

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118258.D
 Acq On : 18 Dec 2019 14:52
 Operator : JU
 Sample : K6324-07MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MS

Manual Integrations
 APPROVED

mohammad
 12/19/2019 11:16:43 AM

Quant Time: Dec 19 03:25:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	104795	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	417725	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	223332	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	425873	20.00	ng	0.00
76) Chrysene-d12	14.06	240	319970	20.00	ng	0.00
87) Perylene-d12	15.56	264	285660	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	654252	109.35	ng	0.00
7) Phenol-d6	6.50	99	836301	115.56	ng	0.00
23) Nitrobenzene-d5	7.43	82	500362	67.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	297414	109.62	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1051893	71.67	ng	-0.01
79) Terphenyl-d14	13.00	244	1340099	72.02	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	82726	32.791	ng	96
3) Pyridine	3.40	79	204639	31.440	ng	100
4) n-Nitrosodimethylamine	3.35	42	105029	37.509	ng	94
6) Aniline	6.52	93	206357	22.291	ng	95
8) 2-Chlorophenol	6.65	128	273590	40.552	ng	97
9) Benzaldehyde	6.41	77	79764	16.742	ng	95
10) Phenol	6.51	94	328431	39.794	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	232187	38.898	ng	97
12) 1,3-Dichlorobenzene	6.80	146	295586	37.505	ng	97
13) 1,4-Dichlorobenzene	6.88	146	299656	37.759	ng	98
14) 1,2-Dichlorobenzene	7.03	146	285322	38.284	ng	98
15) Benzyl Alcohol	7.00	79	227521	40.275	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	270078	37.631	ng	94
17) 2-Methylphenol	7.12	107	219451	40.897	ng	99
18) Hexachloroethane	7.37	117	108802	37.207	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	171980	39.108	ng	97
20) 3+4-Methylphenols	7.27	107	276760	41.062	ng	89
22) Acetophenone	7.27	105	372216	37.089	ng	98
24) Nitrobenzene	7.45	77	265824	36.438	ng	99
25) Isophorone	7.69	82	478745	38.034	ng	99
26) 2-Nitrophenol	7.76	139	151168	38.769	ng	96
27) 2,4-Dimethylphenol	7.80	122	242976	46.716	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	298759	36.324	ng	98
29) 2,4-Dichlorophenol	8.01	162	235073	38.770	ng	97
30) 1,2,4-Trichlorobenzene	8.09	180	253587	35.788	ng	99
31) Naphthalene	8.17	128	802293	38.243	ng	100
32) Benzoic acid	7.93	122	146935	31.289	ng	96
33) 4-Chloroaniline	8.22	127	93949	10.371	ng	95
34) Hexachlorobutadiene	8.29	225	147926	34.814	ng	98
35) Caprolactam	8.59	113	70719m	37.821	ng	
36) 4-Chloro-3-methylphenol	8.71	107	249286	39.069	ng	99
37) 2-Methylnaphthalene	8.86	142	552393	38.893	ng	99
38) 1-Methylnaphthalene	8.96	142	509110	38.176	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	245706	36.317	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118258.D
 Acq On : 18 Dec 2019 14:52
 Operator : JU
 Sample : K6324-07MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MS

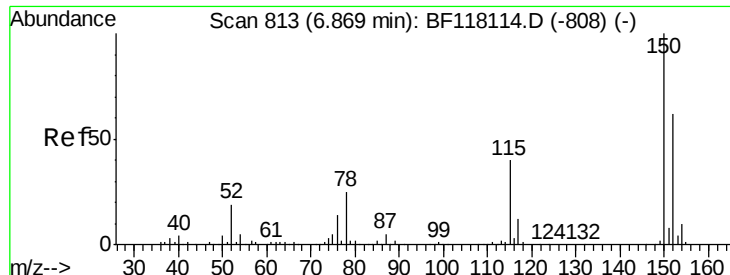
Manual Integrations
 APPROVED

mohammad
 12/19/2019 11:16:43 AM

Quant Time: Dec 19 03:25:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	226584	74.749	nq	96
43) 2,4,6-Trichlorophenol	9.15	196	168021	37.196	nq	99
44) 2,4,5-Trichlorophenol	9.19	196	177568	37.942	nq	96
46) 1,1'-Biphenyl	9.33	154	667975	37.923	nq	99
47) 2-Chloronaphthalene	9.36	162	515796	36.404	nq	97
48) 2-Nitroaniline	9.46	65	143378	35.485	nq	88
49) Acenaphthylene	9.77	152	834054	39.911	nq	99
50) Dimethylphthalate	9.63	163	666221	40.386	nq	99
51) 2,6-Dinitrotoluene	9.70	165	137367	38.296	nq	93
52) Acenaphthene	9.95	154	478984	37.551	nq	97
53) 3-Nitroaniline	9.87	138	76978	18.235	nq	96
54) 2,4-Dinitrophenol	9.98	184	120449	67.494	nq	97
55) Dibenzofuran	10.12	168	731483	39.137	nq	100
56) 4-Nitrophenol	10.04	139	198539	67.770	nq	99
57) 2,4-Dinitrotoluene	10.10	165	186693	38.994	nq	94
58) Fluorene	10.46	166	577696	38.894	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.24	232	146419	37.922	nq	99
60) Diethylphthalate	10.33	149	628749	38.685	nq	98
61) 4-Chlorophenyl-phenylether	10.45	204	284659	38.090	nq	96
62) 4-Nitroaniline	10.49	138	157985	35.884	nq	99
63) Azobenzene	10.62	77	539938	38.915	nq	95
65) 4,6-Dinitro-2-methylphenol	10.52	198	90176	38.342	nq	88
66) n-Nitrosodiphenylamine	10.57	169	517839	38.937	nq	100
67) 4-Bromophenyl-phenylether	10.94	248	179406	36.904	nq	94
68) Hexachlorobenzene	11.02	284	204922	35.813	nq	97
69) Atrazine	11.10	200	154975	43.037	nq	98
70) Pentachlorophenol	11.22	266	193418	71.879	nq	99
71) Phenanthrene	11.43	178	881666	38.945	nq	99
72) Anthracene	11.49	178	910773	40.328	nq	99
73) Carbazole	11.64	167	796407	39.304	nq	99
74) Di-n-butylphthalate	11.96	149	1007898	39.745	nq	100
75) Fluoranthene	12.63	202	922491	39.855	nq	99
77) Benzidine	12.74	184	319013	37.873	nq	98
78) Pyrene	12.86	202	930544	36.904	nq	99
80) Butylbenzylphthalate	13.47	149	430753	37.721	nq	99
81) Benzo(a)anthracene	14.05	228	804140	36.345	nq	100
82) 3,3'-Dichlorobenzidine	14.01	252	142085	19.554	nq	96
83) Chrysene	14.09	228	785853	37.184	nq	100
84) Bis(2-ethylhexyl)phthalate	14.03	149	607906	40.371	nq	99
85) Di-n-octyl phthalate	14.64	149	959976	42.086	nq	99
86) Indeno(1,2,3-cd)pyrene	17.08	276	708778	39.858	nq	100
88) Benzo(b)fluoranthene	15.12	252	734579	38.882	nq	97
89) Benzo(k)fluoranthene	15.15	252	668846	36.852	nq	99
90) Benzo(a)pyrene	15.49	252	650891	39.009	nq	99
91) Dibenzo(a,h)anthracene	17.09	278	598511	41.820	nq	98
92) Benzo(g,h,i)perylene	17.53	276	584416	42.495	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

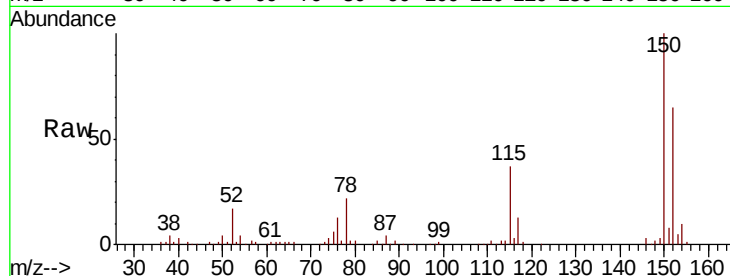
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampled :
EP-15MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	128.3	192.5
115	56.9	51.1	76.7

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

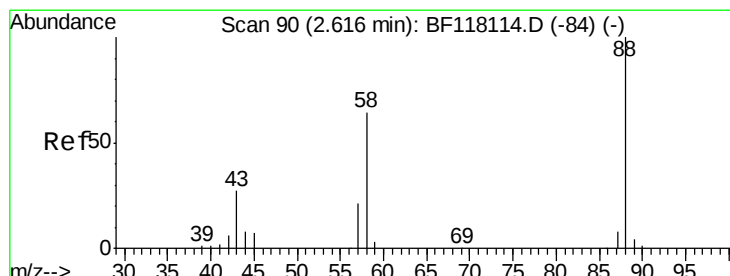
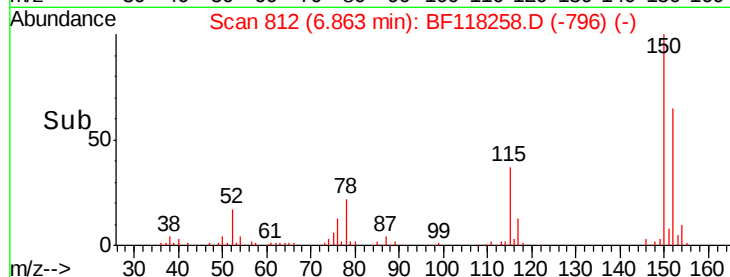
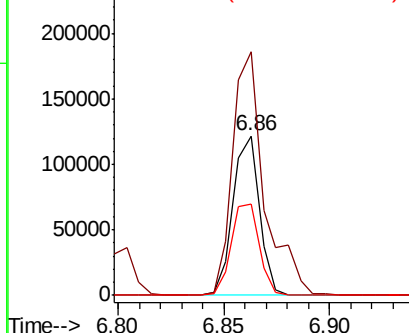


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

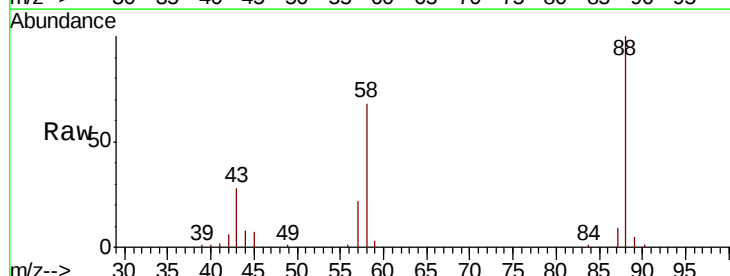
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 32.791 ng
RT: 2.65 min Scan# 95
Delta R.T. 0.03 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.7	52.2	78.4
43	27.7	21.4	32.2

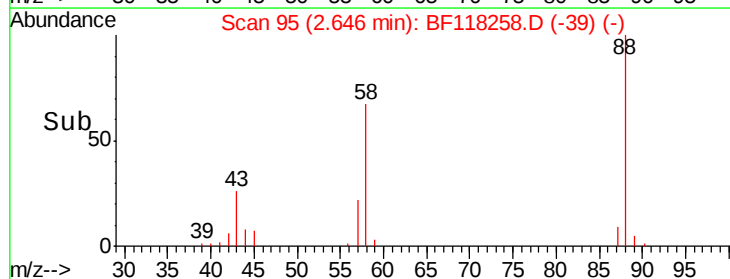
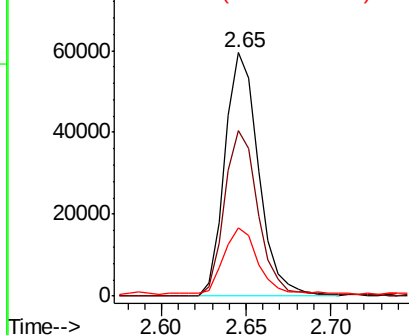


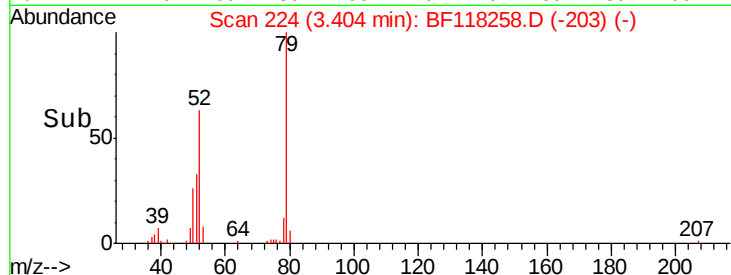
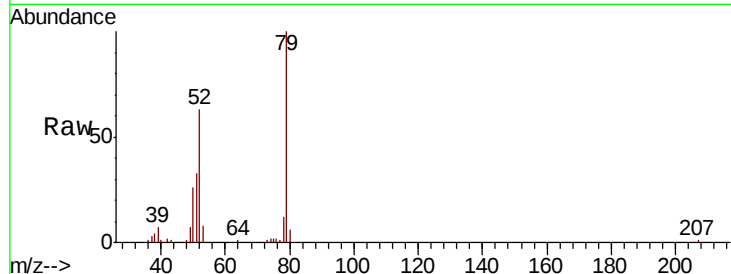
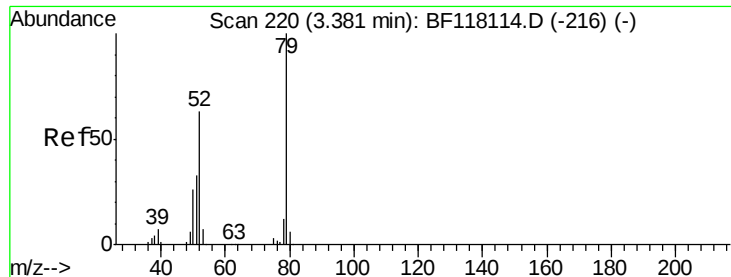
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





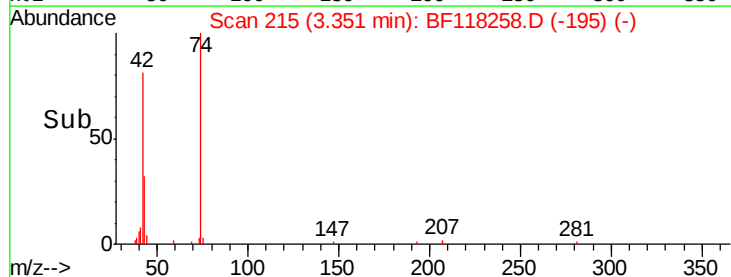
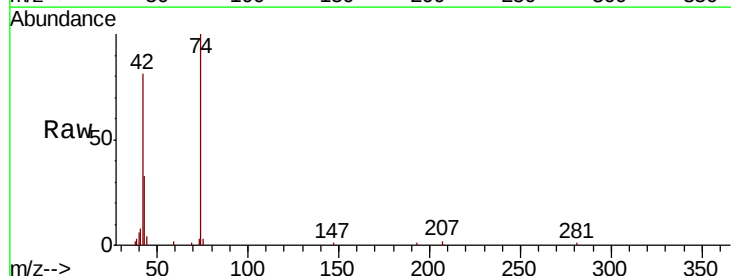
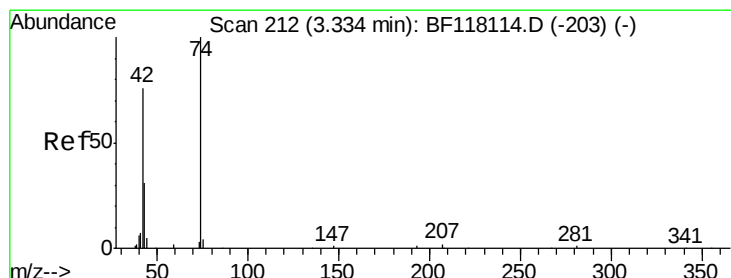
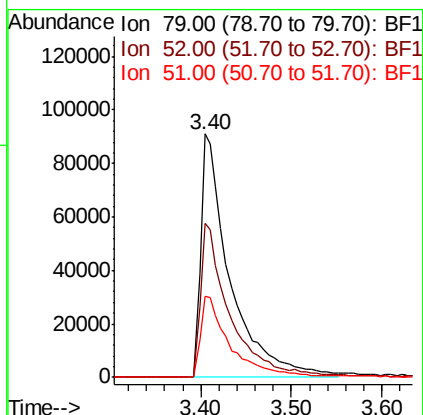
#3
Pvridine
Concen: 31.440 ng
RT: 3.40 min Scan# 224
Delta R.T. 0.02 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100	204639		
52	52	63.4		50.7	76.1
51	51	33.3		26.4	39.6

Instrument :
BNA_F
ClientSampleId :
EP-15MS

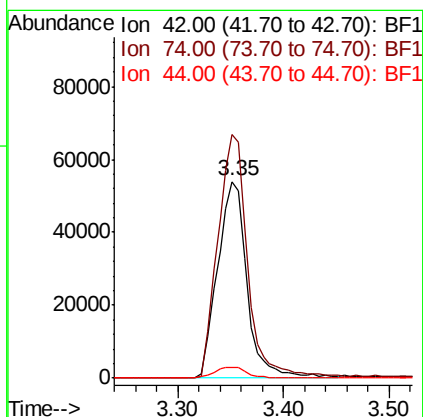
Manual Integrations
APPROVED

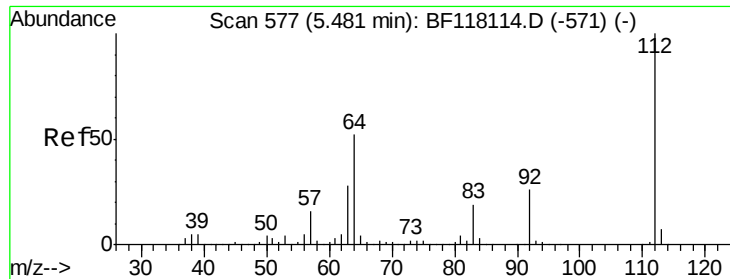
mohammad
12/19/2019 11:16:43 AM



#4
n-Nitrosodimethylamine
Concen: 37.509 ng
RT: 3.35 min Scan# 215
Delta R.T. 0.02 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	105029		
74	74	124.1		104.6	157.0
44	44	5.3		5.1	7.7





#5

2-Fluorophenol

Concen: 109.347 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

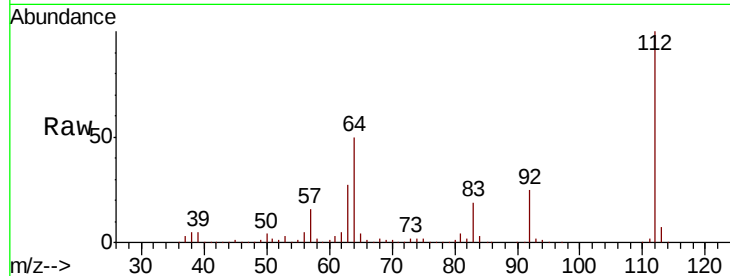
ClientSampleId :

EP-15MS

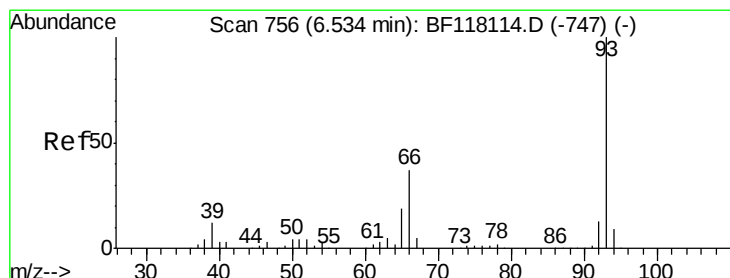
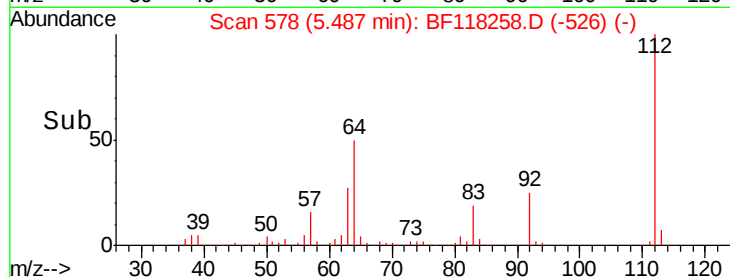
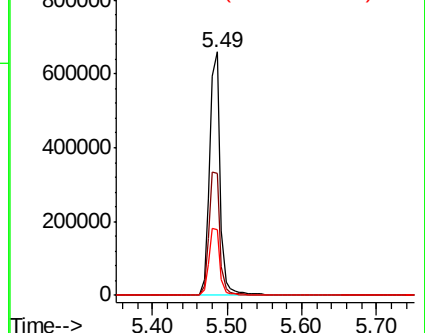
Tot Ion:	112	Resp:	654252
Ion Ratio	Lower	Upper	
112	100		
64	50.3	41.3	61.9
63	27.2	22.4	33.6

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 22.291 ng

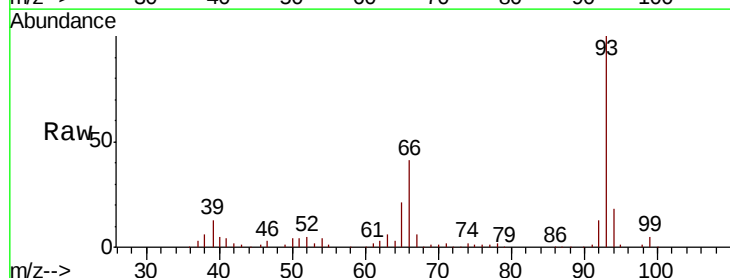
RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

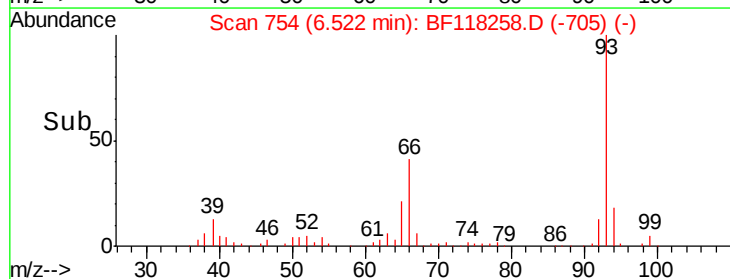
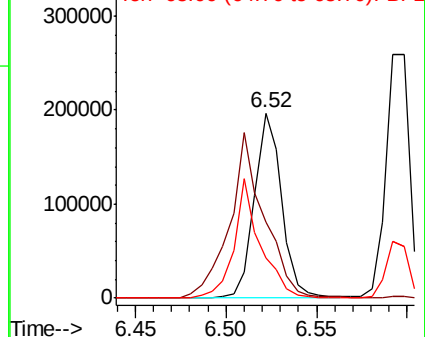
Lab File: BF118258.D

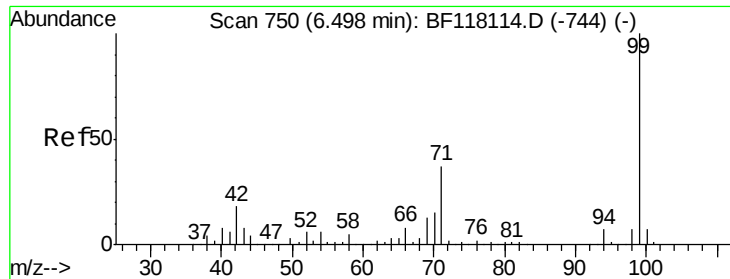
Acq: 18 Dec 2019 14:52

Tgt Ion:	93	Resp:	206357
Ion Ratio	Lower	Upper	
93	100		
66	40.8	30.2	45.2
65	21.4	15.5	23.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 115.560 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

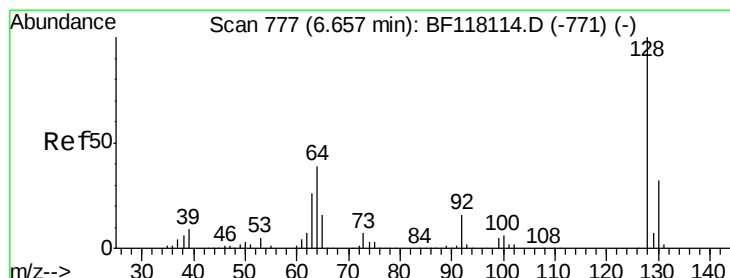
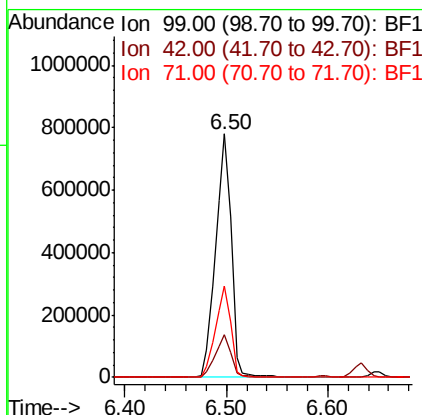
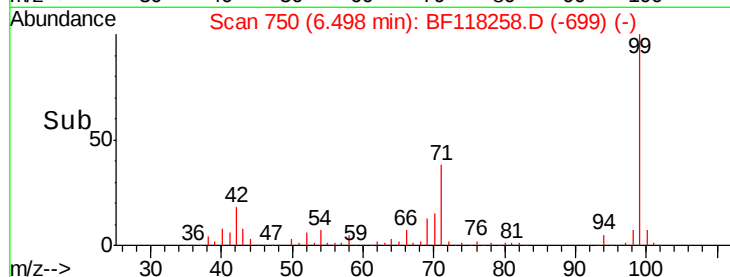
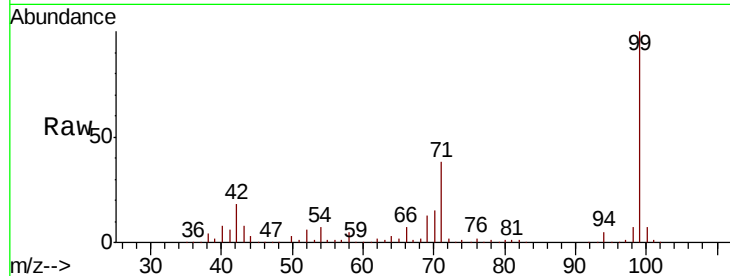
ClientSampleId :

EP-15MS

Tot Ion:	99	Resp:	836301
Ion Ratio	Lower	Upper	
99	100		
42	17.6	14.1	21.1
71	37.6	29.7	44.5

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



#8

2-Chlorophenol

Concen: 40.552 ng

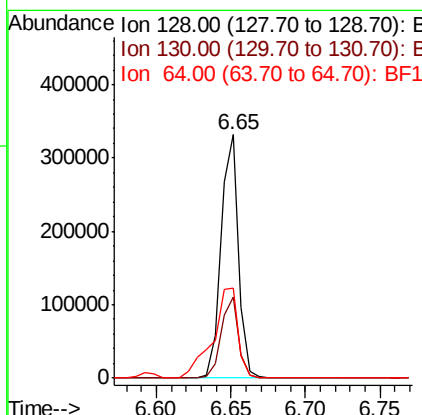
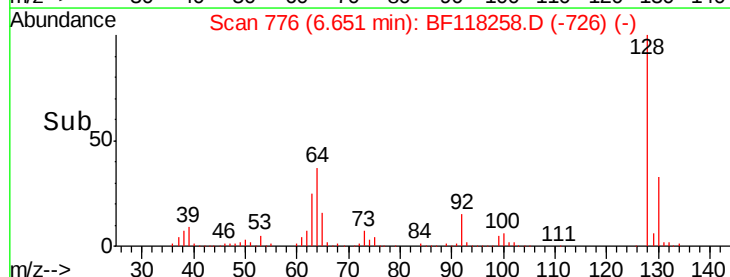
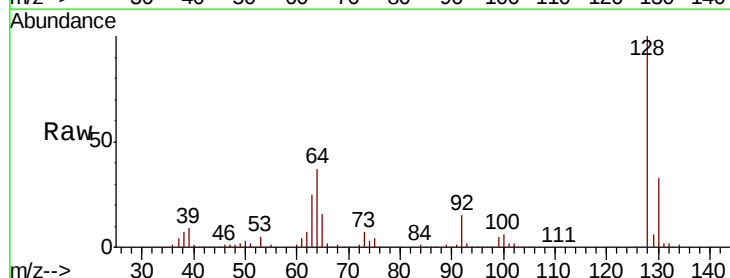
RT: 6.65 min Scan# 776

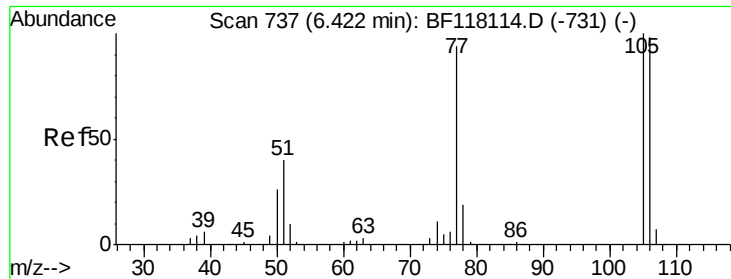
Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Tgt Ion:	128	Resp:	273590
Ion Ratio	Lower	Upper	
128	100		
130	33.2	12.1	52.1
64	37.1	19.3	59.3





#9

Benzaldehyde

Concen: 16.742 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

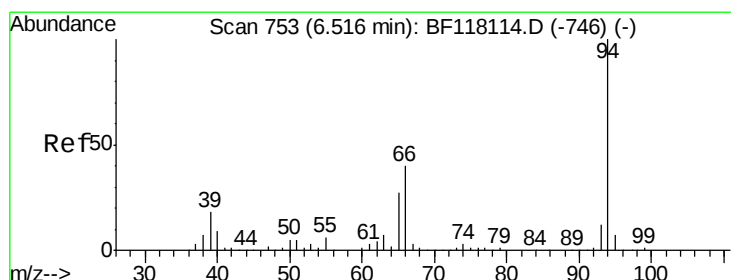
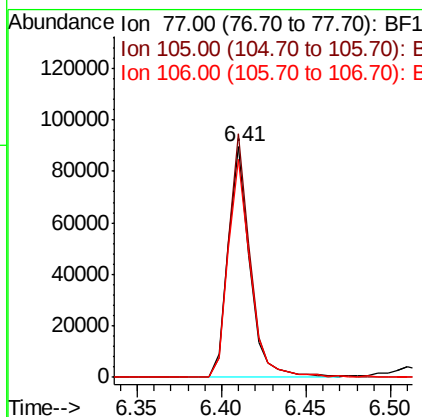
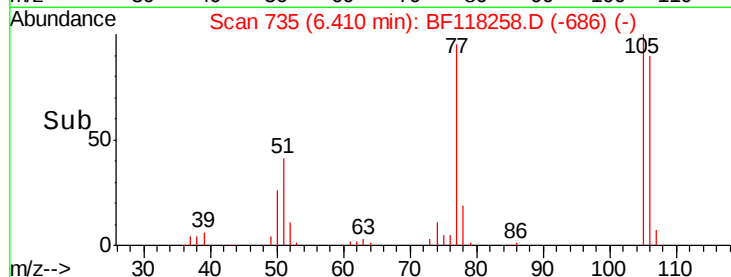
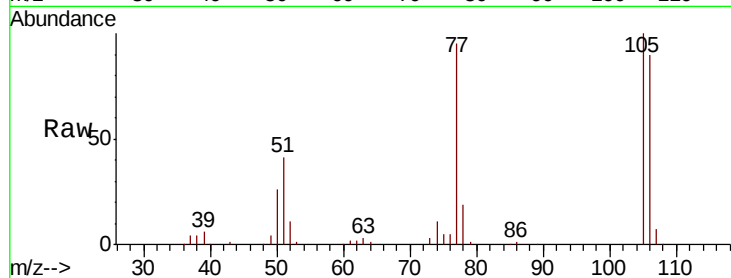
ClientSampleId :

EP-15MS

Tot Ion:	77	Resp:	79764
Ion	Ratio	Lower	Upper
77	100		
105	105.7	86.4	126.4
106	95.0	83.8	123.8

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



#10

Phenol

Concen: 39.794 ng

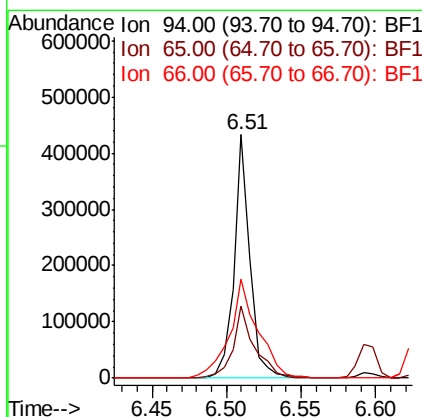
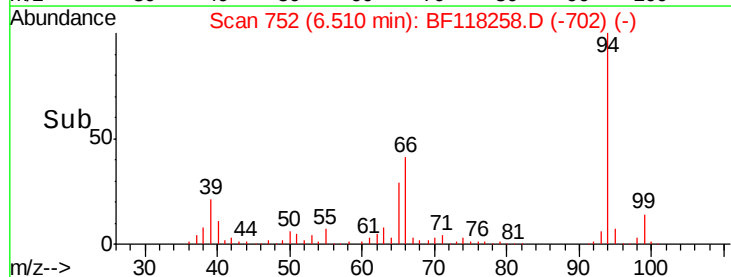
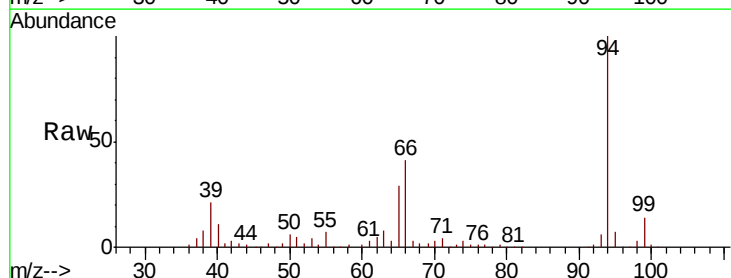
RT: 6.51 min Scan# 752

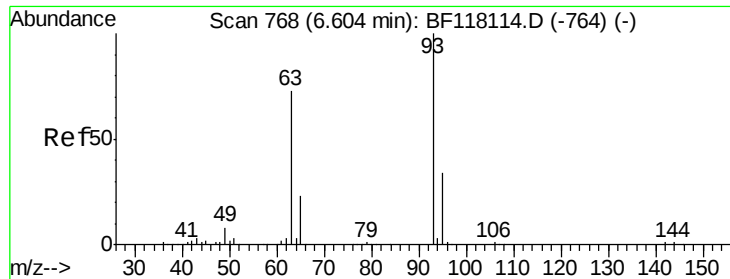
Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Tgt Ion:	94	Resp:	328431
Ion	Ratio	Lower	Upper
94	100		
65	29.4	7.3	47.3
66	40.6	20.2	60.2





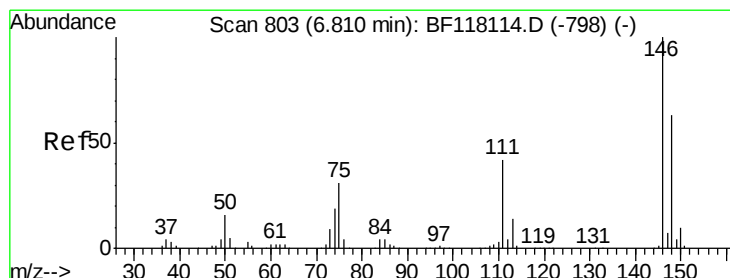
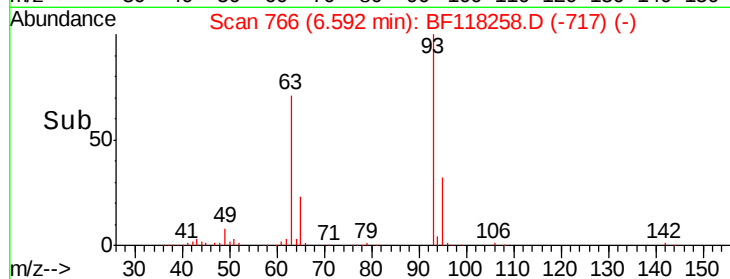
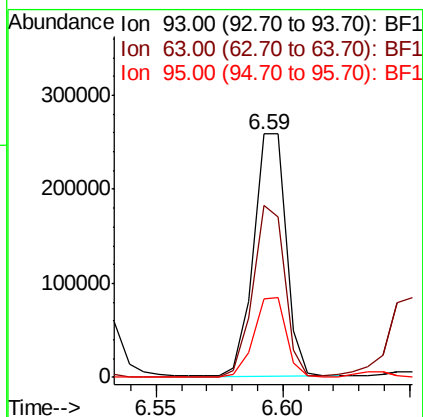
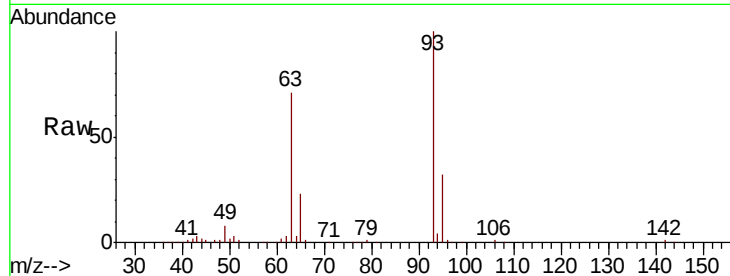
#11
bis(2-Chloroethyl)ether
Concen: 38.898 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	70.7	53.2	93.2
95	32.1	13.8	53.8

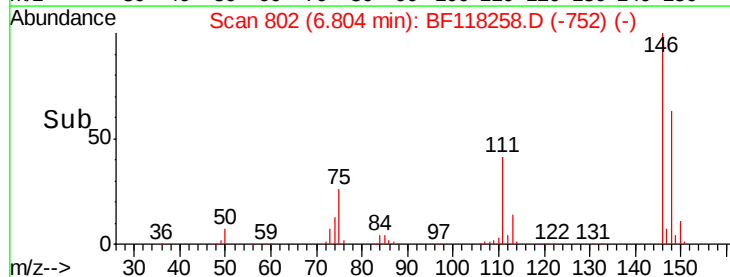
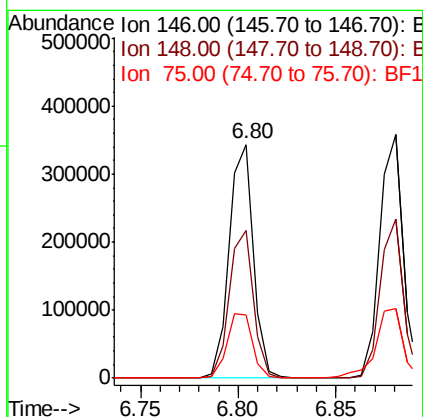
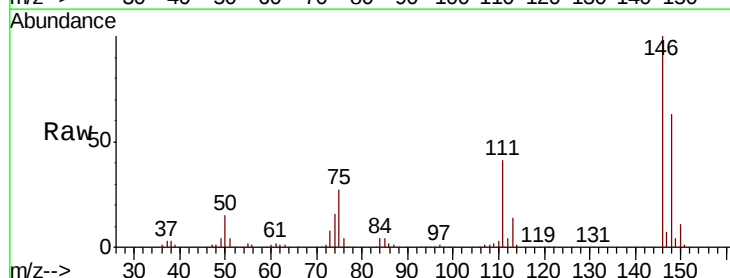
Manual Integrations
APPROVED

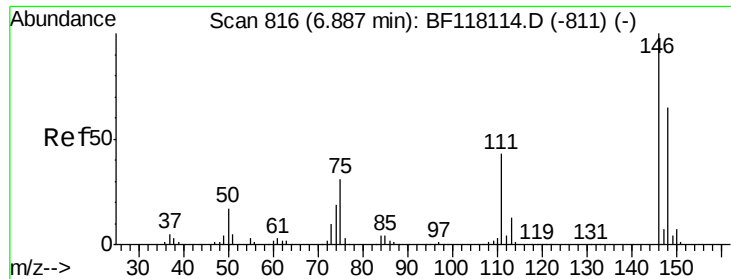
mohammad
12/19/2019 11:16:43 AM



#12
1,3-Dichlorobenzene
Concen: 37.505 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.4
75	27.2	24.6	37.0





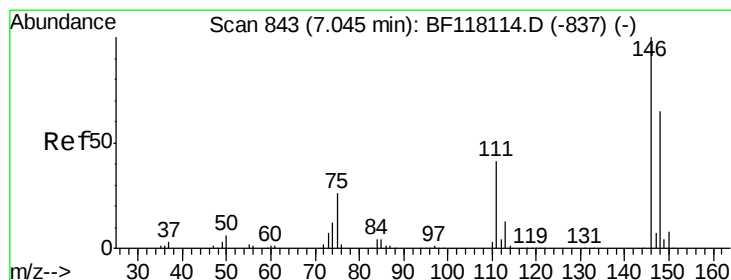
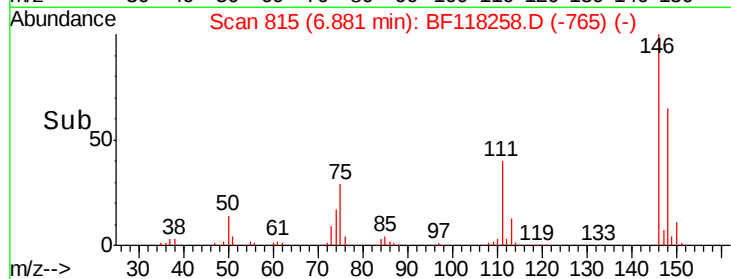
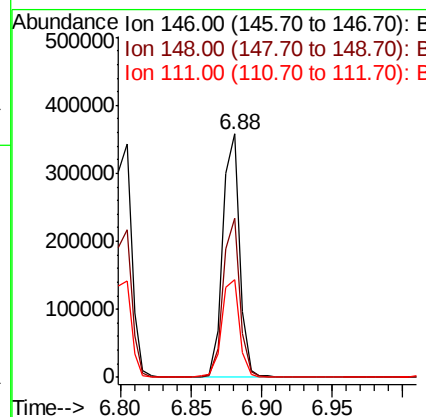
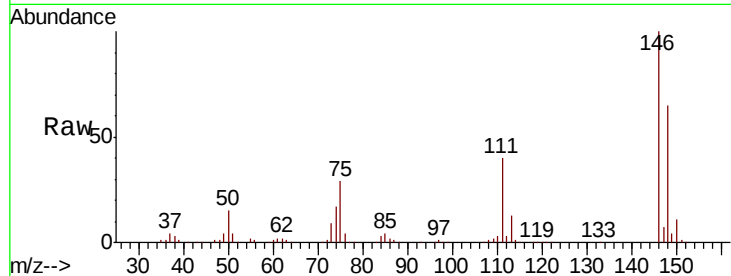
#13
1,4-Dichlorobenzene
Concen: 37.759 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleID :
EP-15MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.1	78.1
111	40.1	34.6	52.0

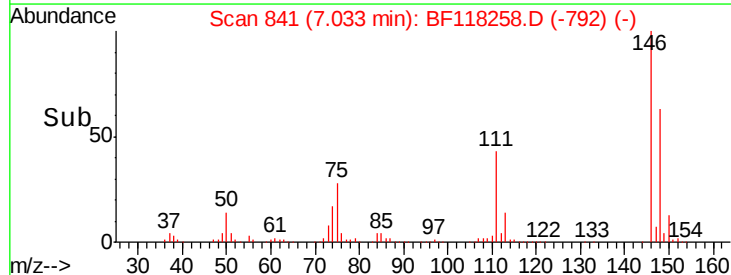
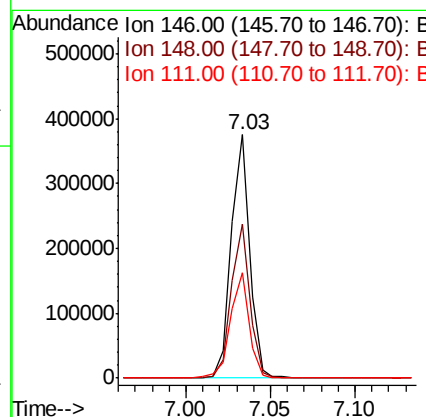
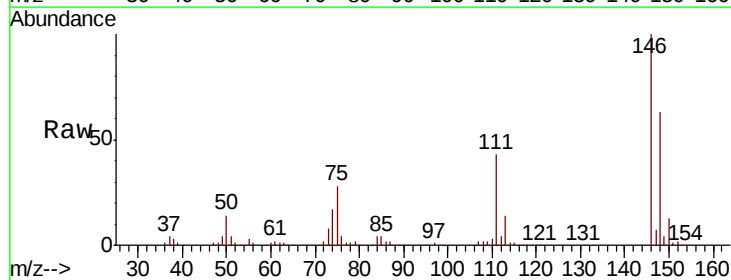
Manual Integrations
APPROVED

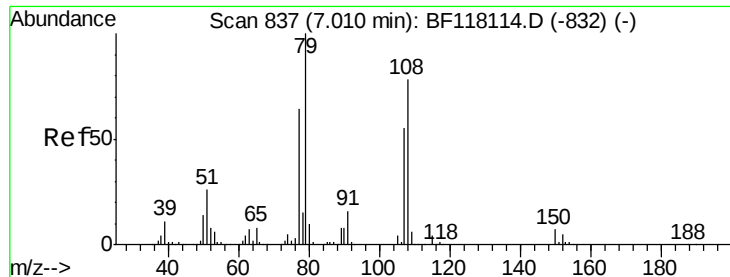
mohammad
12/19/2019 11:16:43 AM



#14
1,2-Dichlorobenzene
Concen: 38.284 ng
RT: 7.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.2	78.2
111	43.3	33.1	49.7





#15

Benzyl Alcohol

Concen: 40.275 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

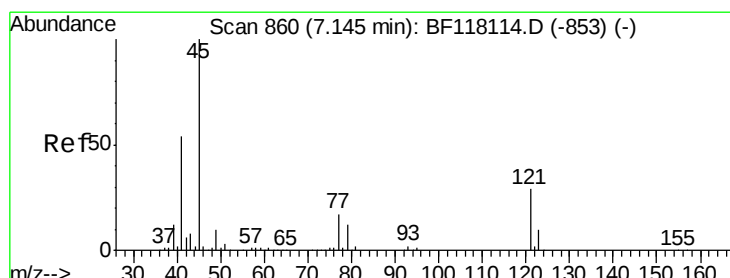
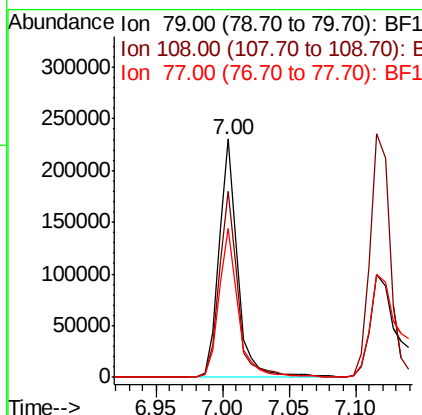
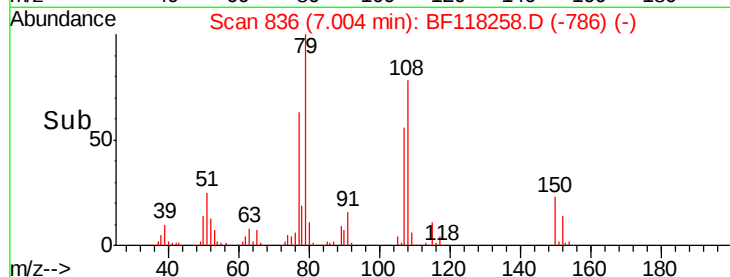
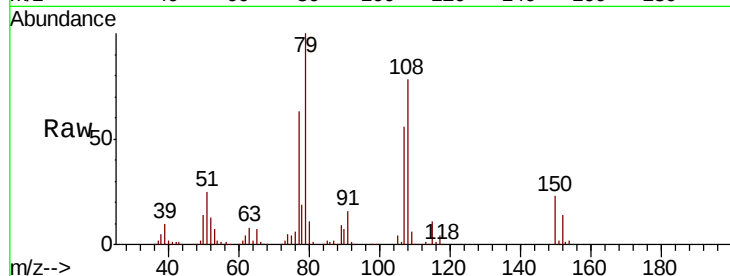
ClientSampleId :

EP-15MS

Tot Ion:	79	Resp:	227521
Ion	Ratio	Lower	Upper
79	100		
108	77.9	62.7	94.1
77	62.6	51.4	77.2

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.631 ng

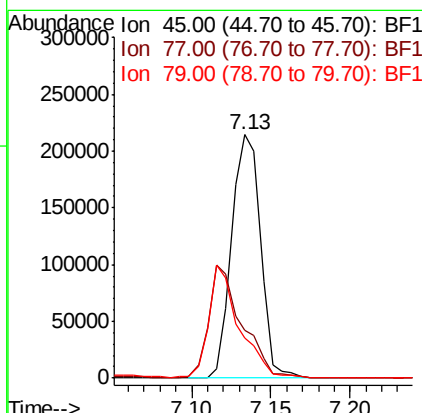
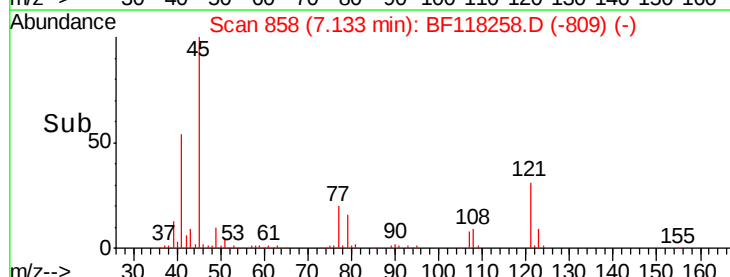
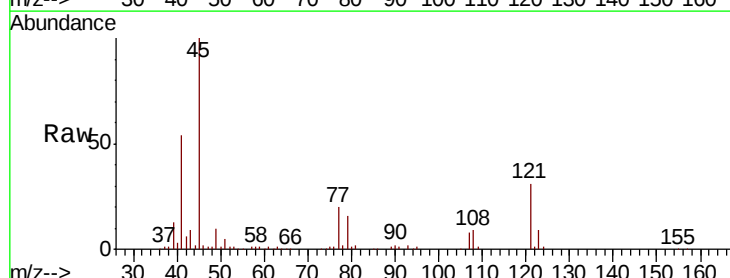
RT: 7.13 min Scan# 858

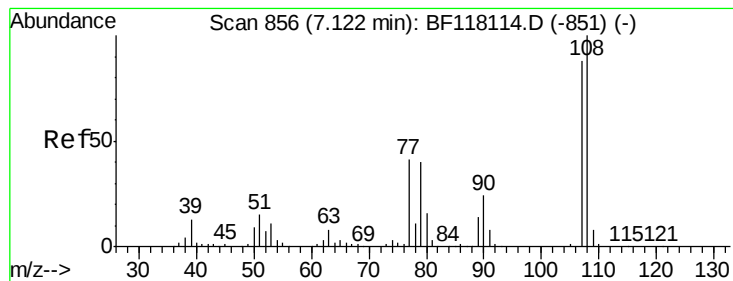
Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Tgt Ion:	45	Resp:	270078
Ion	Ratio	Lower	Upper
45	100		
77	19.7	0.0	38.0
79	16.4	0.0	33.2





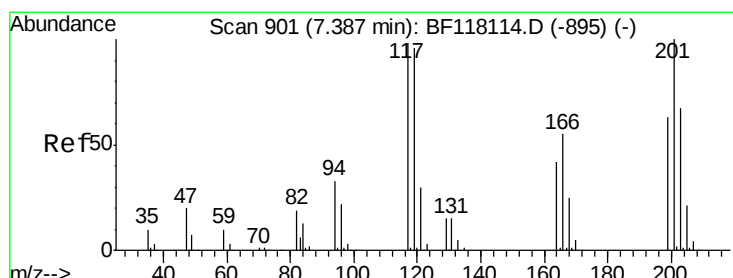
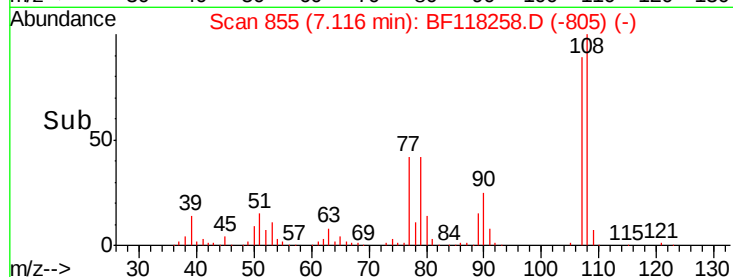
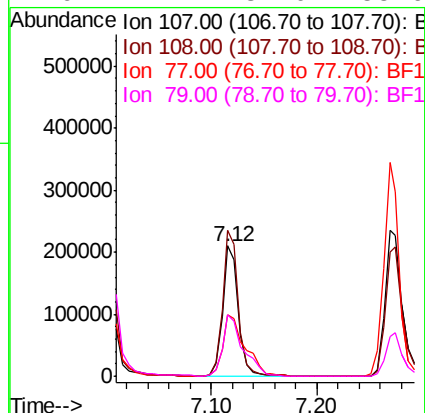
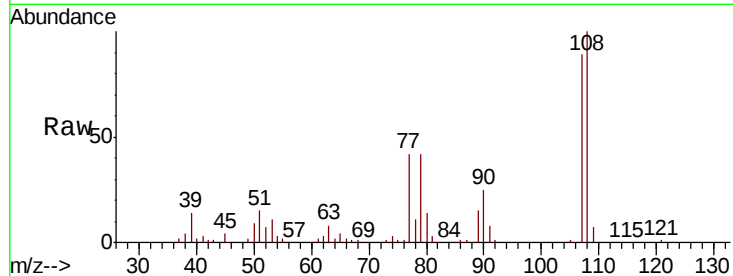
#17
2-Methylphenol
Concen: 40.897 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	219451		
108	112.1	91.1	136.7	
77	47.2	37.8	56.6	
79	47.4	37.0	55.6	

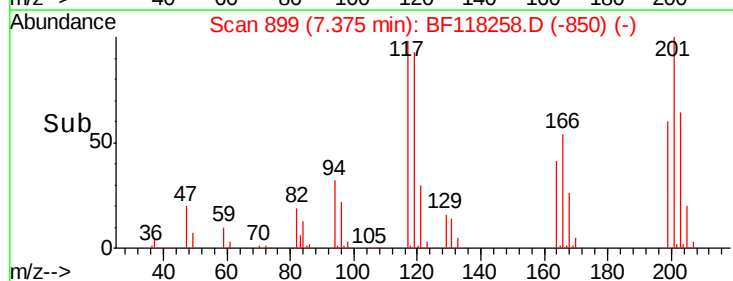
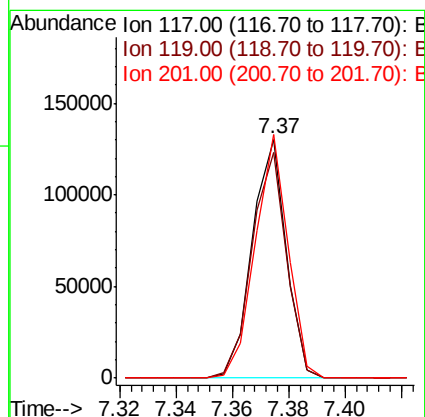
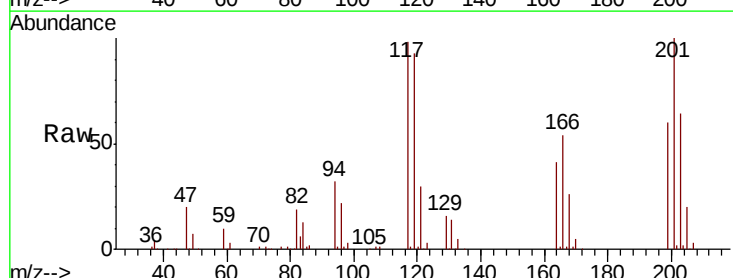
Manual Integrations
APPROVED

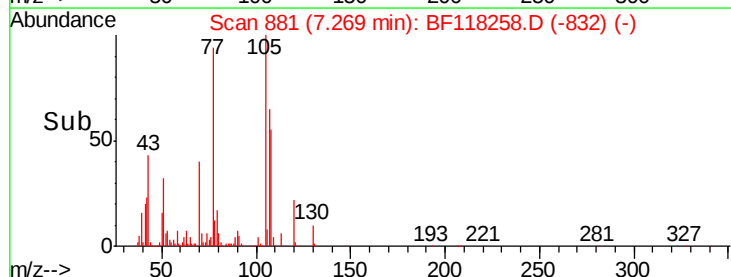
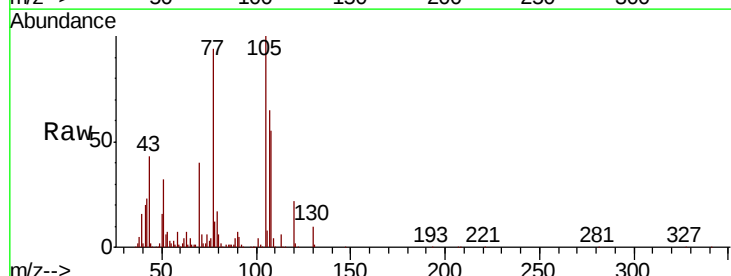
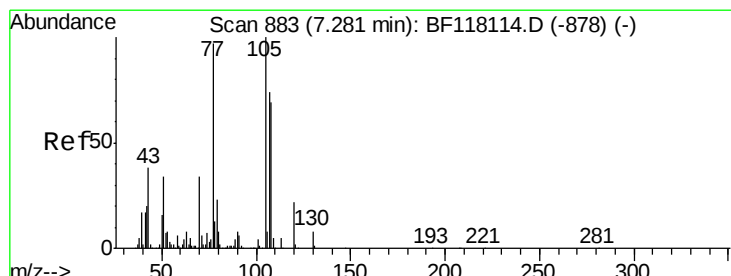
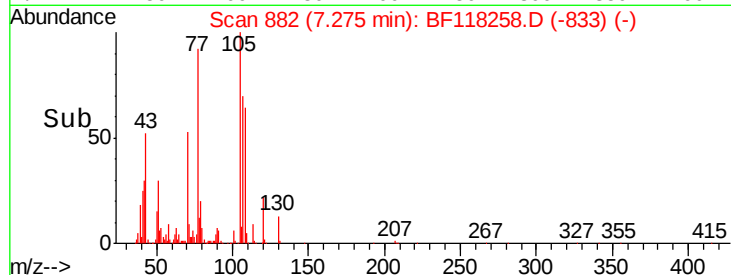
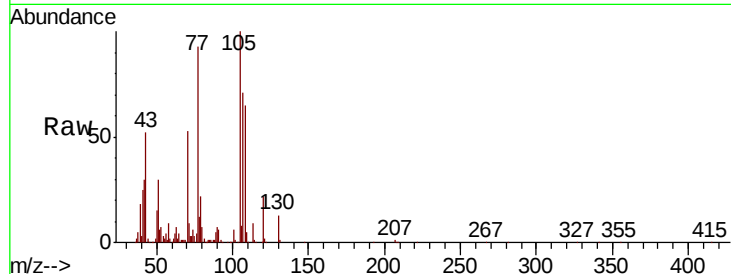
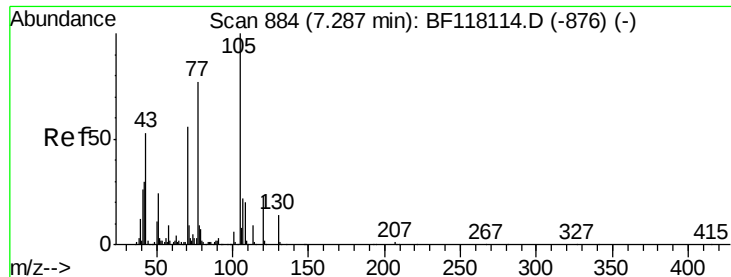
mohammad
12/19/2019 11:16:43 AM



#18
Hexachloroethane
Concen: 37.207 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	108802		
119	94.5	78.2	117.4	
201	102.0	81.6	122.4	





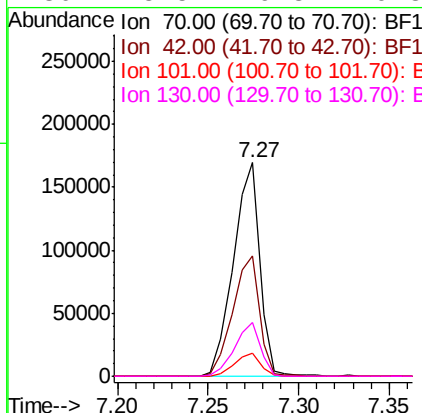
#19
n-Nitroso-di-n-propylamine
Concen: 39.108 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.4	43.2	64.8	
101	10.9	8.1	12.1	
130	25.5	19.8	29.8	

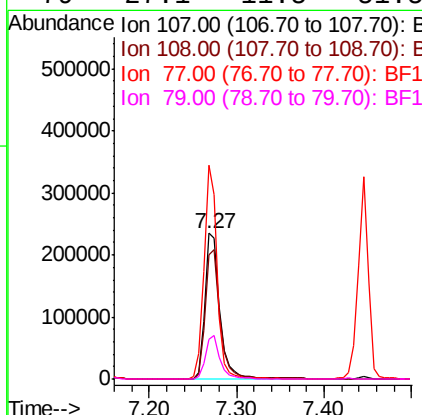
Manual Integrations
APPROVED

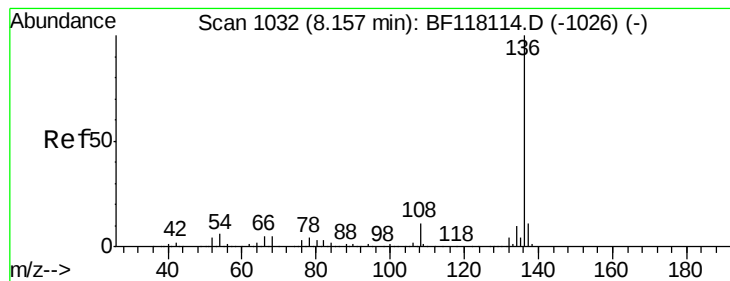
mohammad
12/19/2019 11:16:43 AM



#20
3+4-Methylphenols
Concen: 41.062 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.0	73.2	113.2	
77	146.4	110.9	150.9	
79	27.1	11.5	51.5	





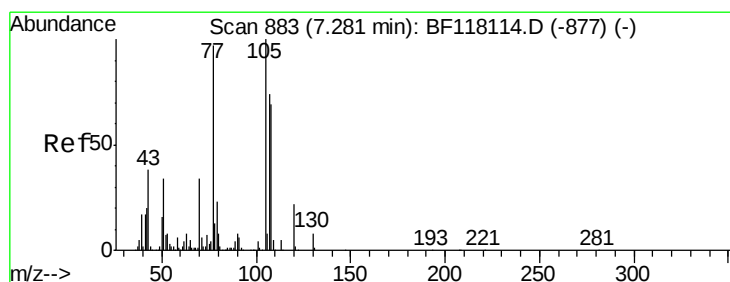
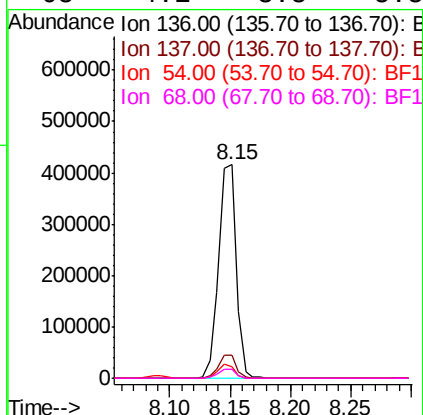
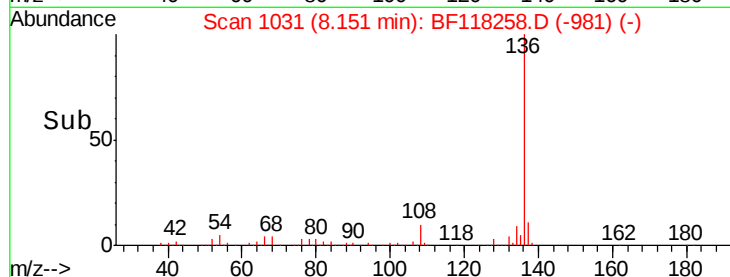
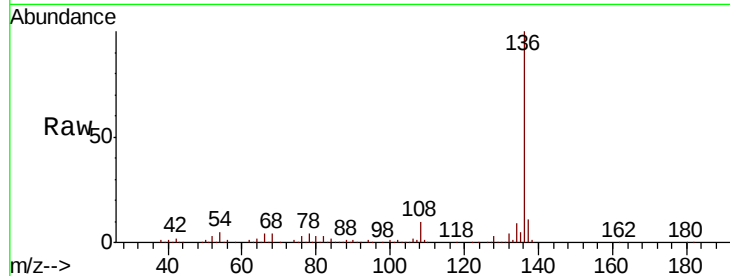
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.0	13.6	
54	5.4	5.0	7.6	
68	4.1	3.8	5.8	

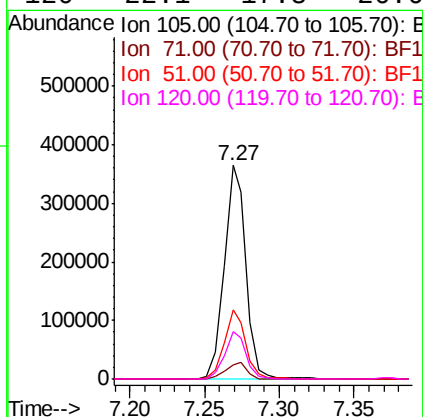
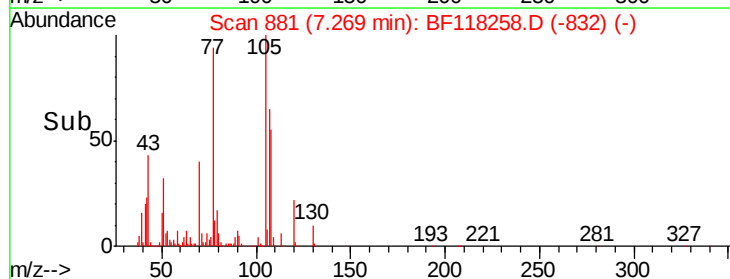
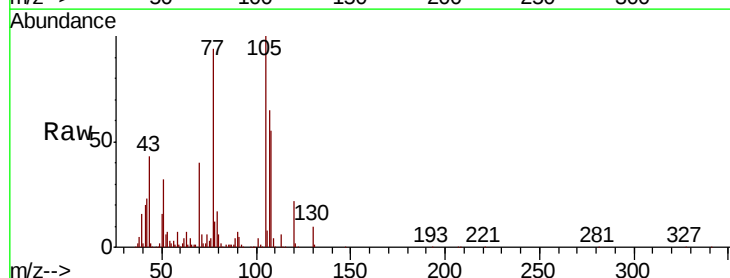
Manual Integrations
APPROVED

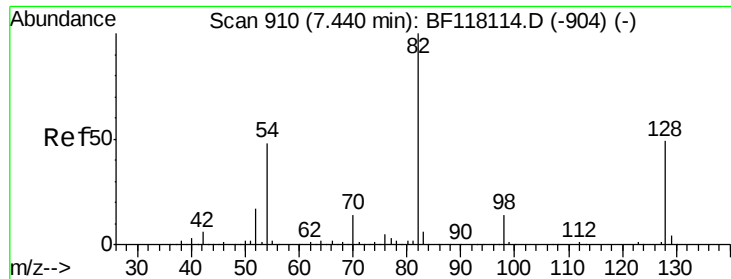
mohammad
12/19/2019 11:16:43 AM



#22
Acetophenone
Concen: 37.089 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.4	4.7	7.1	
51	32.1	27.1	40.7	
120	22.1	17.8	26.6	





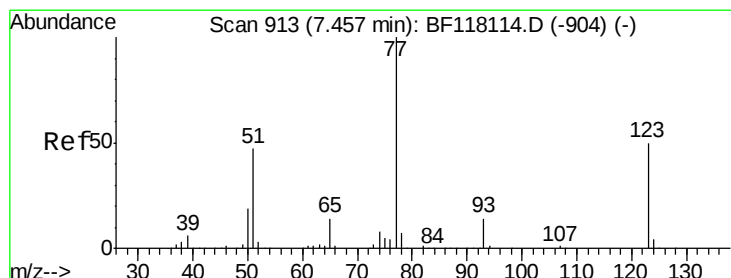
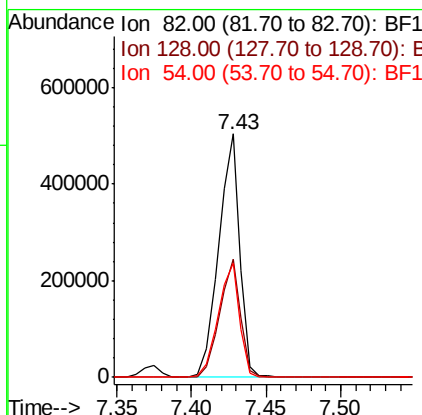
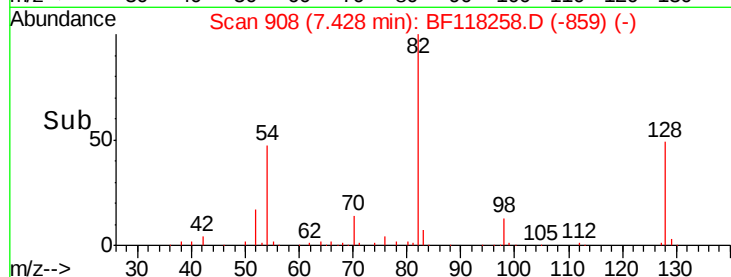
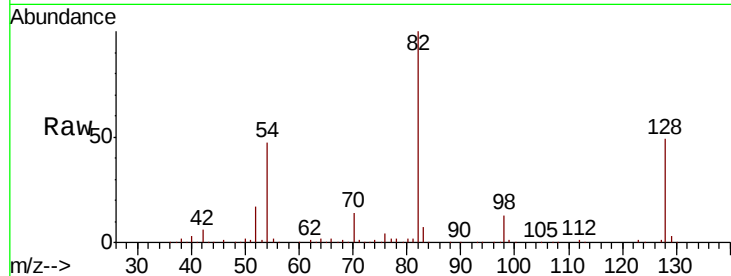
#23
 Nitrobenzene-d5
 Concen: 67.387 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	39.1	58.7
54	47.1	38.2	57.2

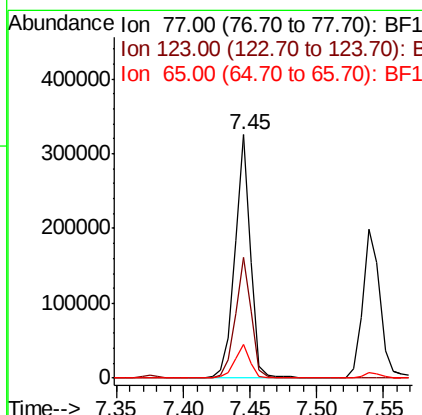
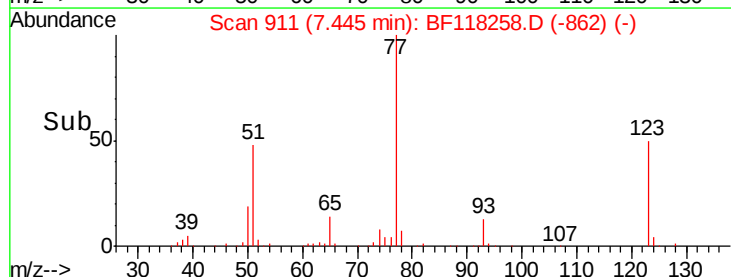
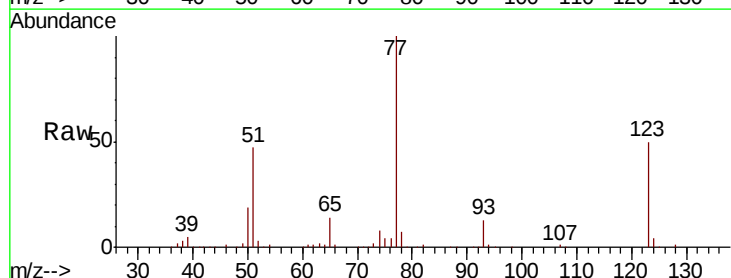
Manual Integrations
 APPROVED

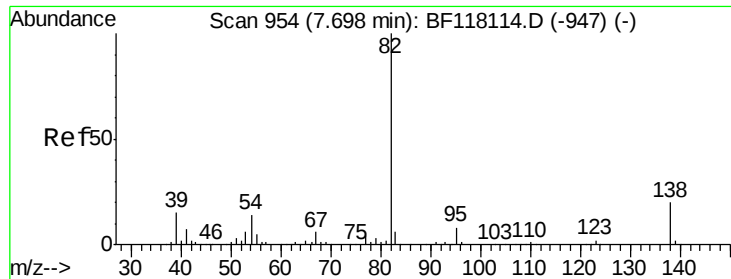
mohammad
 12/19/2019 11:16:43 AM



#24
 Nitrobenzene
 Concen: 36.438 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.6	40.1	60.1
65	14.1	10.9	16.3





#25

Isophorone

Concen: 38.034 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

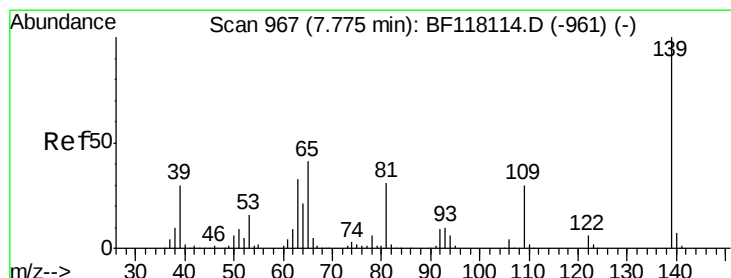
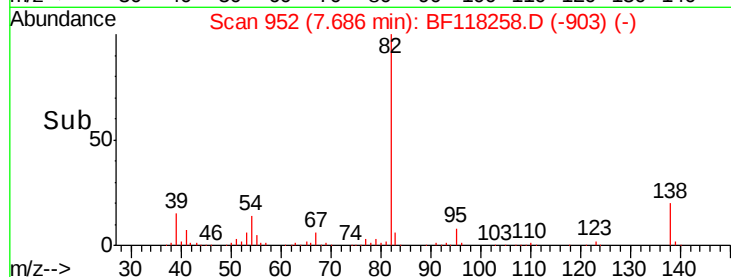
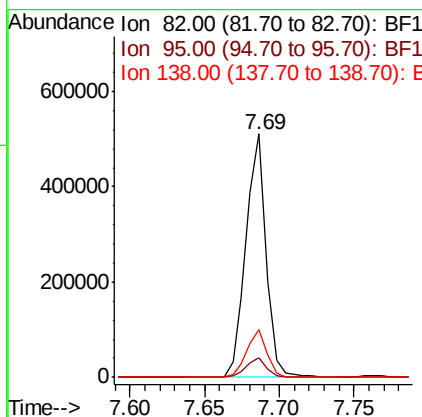
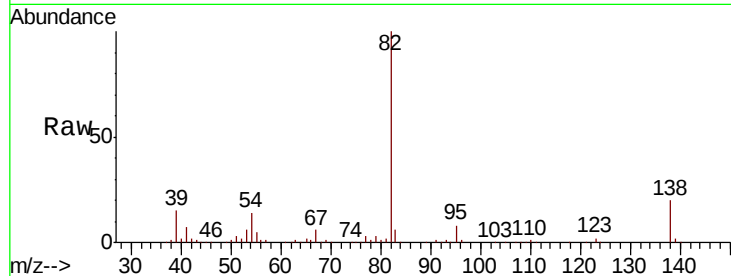
ClientSampleId :

EP-15MS

Tot Ion:	82	Resp:	478745
Ion Ratio	Lower	Upper	
82	100		
95	7.8	6.3	9.5
138	19.7	16.3	24.5

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



#26

2-Nitrophenol

Concen: 38.769 ng

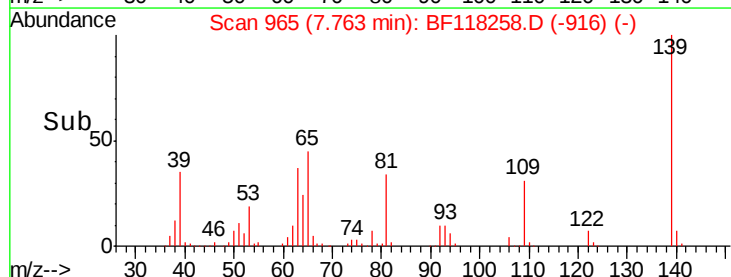
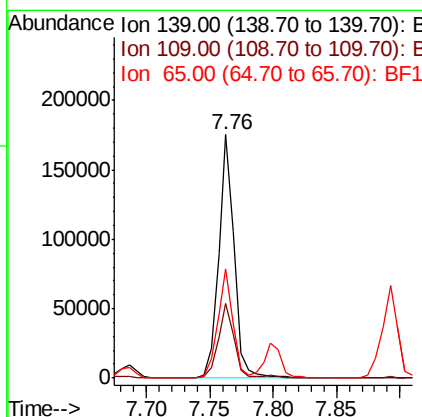
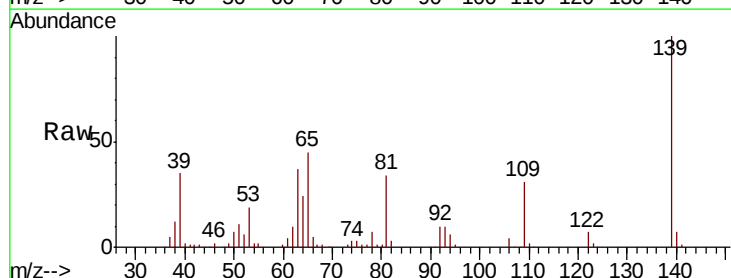
RT: 7.76 min Scan# 965

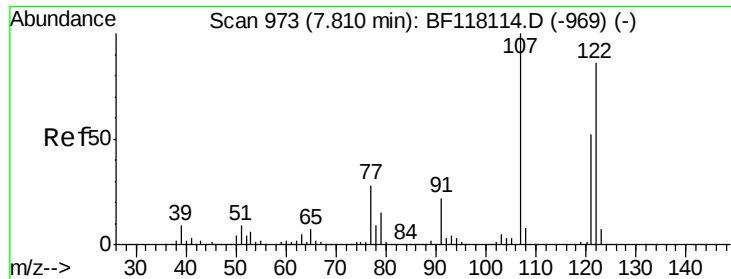
Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Tgt Ion:	139	Resp:	151168
Ion Ratio	Lower	Upper	
139	100		
109	30.6	23.9	35.9
65	44.8	33.0	49.6





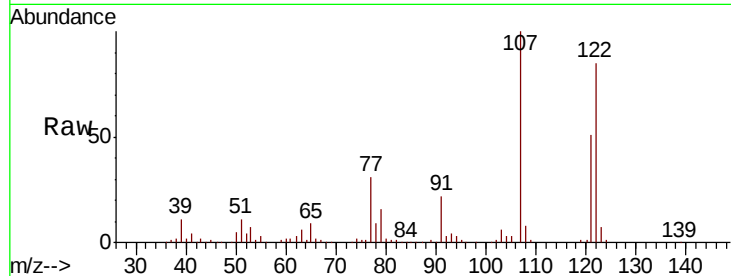
#27
2,4-Dimethylphenol
Concen: 46.716 ng
RT: 7.80 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	242976		
107	118.0		92.9	139.3
121	59.9		48.3	72.5

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

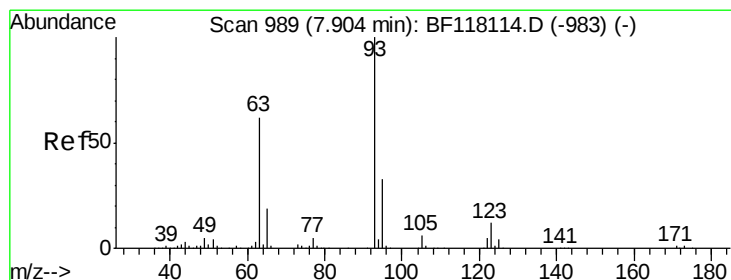
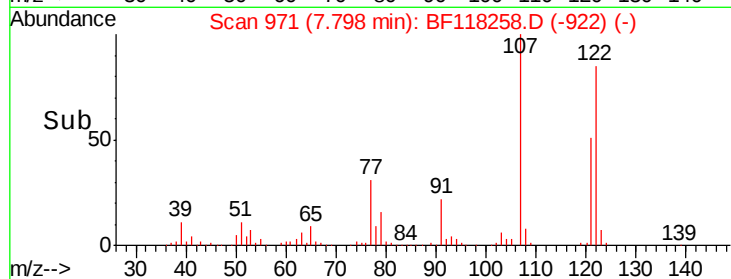
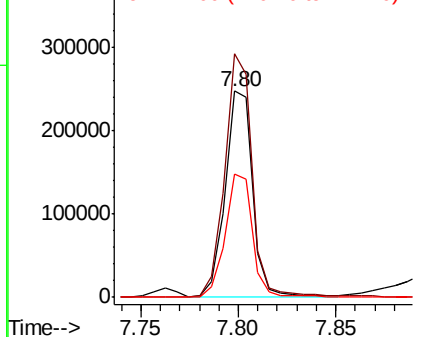


Abundance

Ion 122.00 (121.70 to 122.70): E

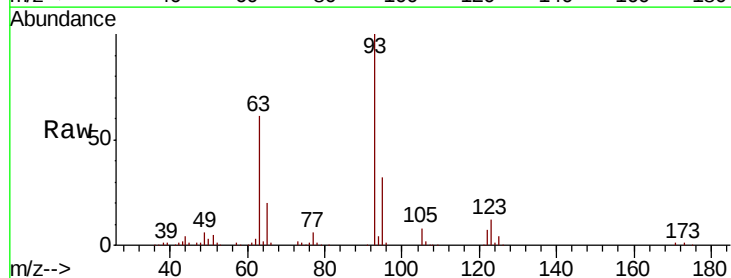
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 36.324 ng
RT: 7.89 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	298759		
95	32.1		26.7	40.1
123	12.4		10.0	15.0

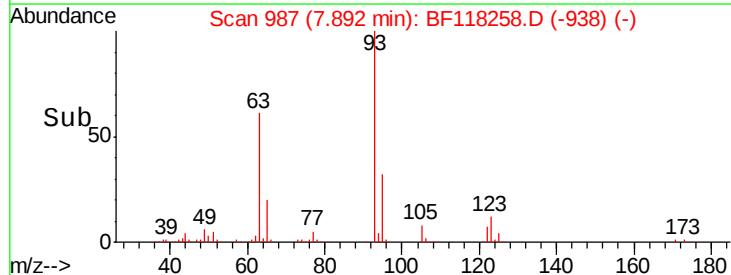
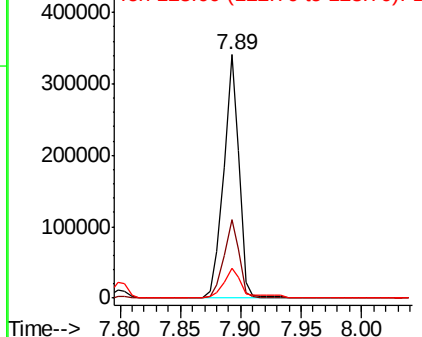


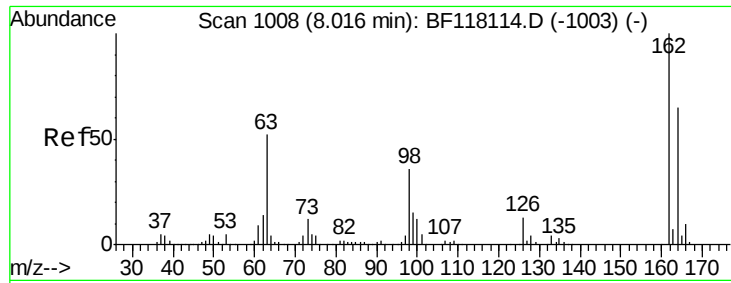
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





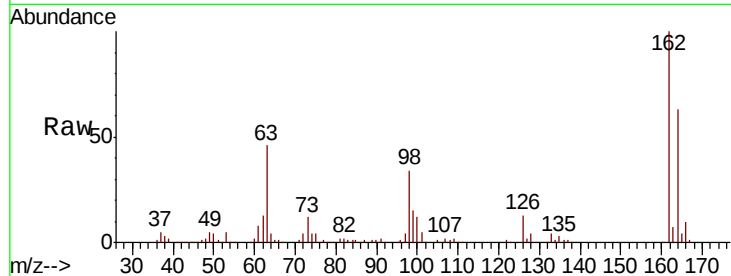
#29
2,4-Dichlorophenol
Concen: 38.770 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	235073		
164	63.4	45.2	85.2	
98	34.1	15.9	55.9	

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

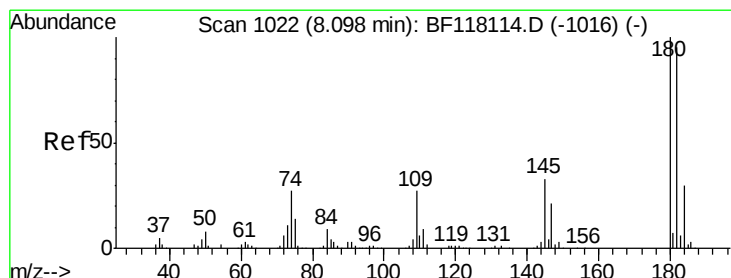
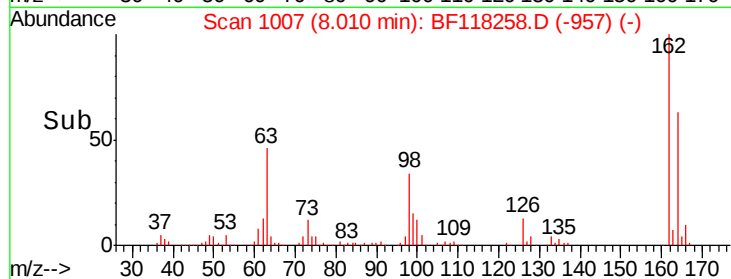
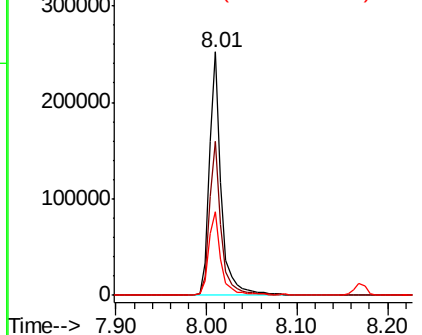


Abundance

Ion 162.00 (161.70 to 162.70): E

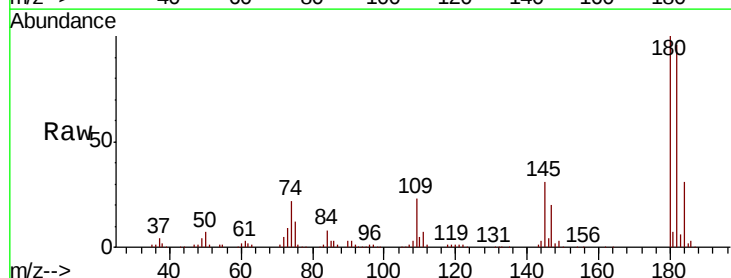
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 35.788 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	253587		
182	95.7	76.1	114.1	
145	30.8	26.1	39.1	

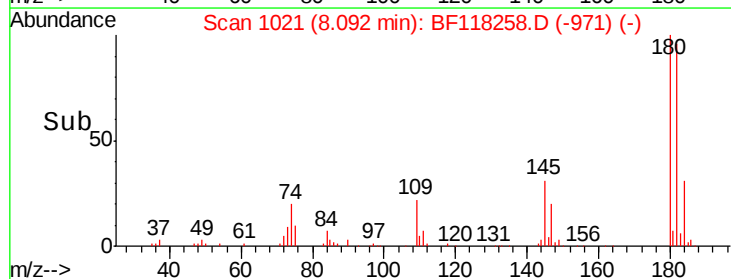
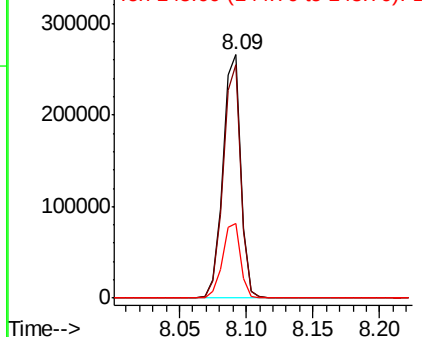


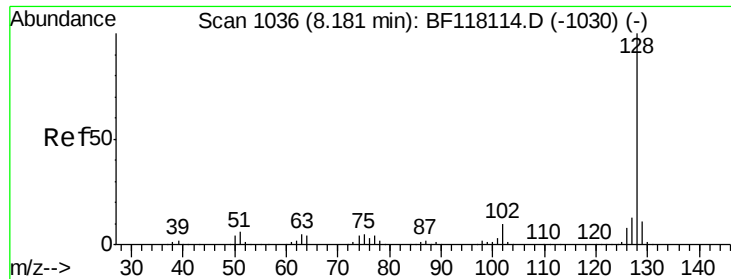
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





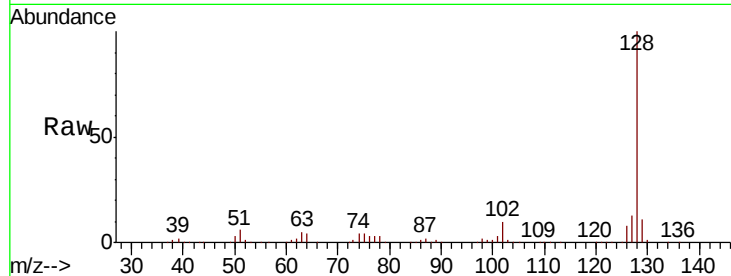
#31
Naphthalene
Concen: 38.243 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.1	10.6	16.0

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

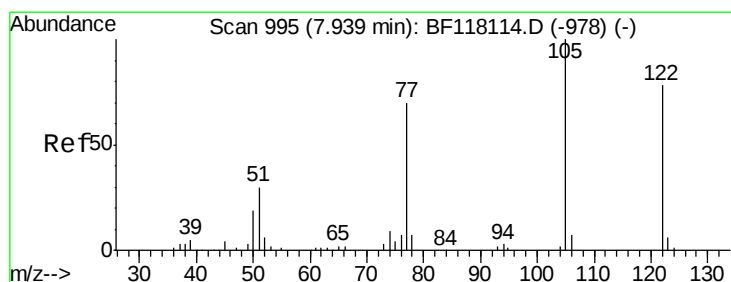
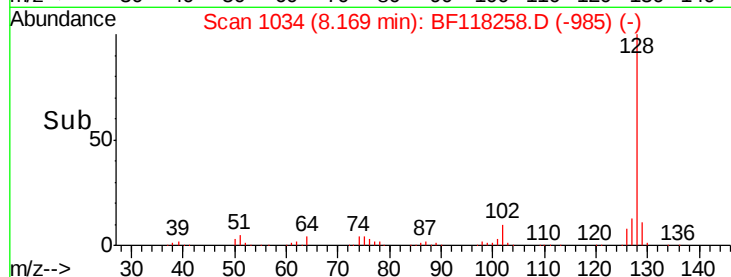
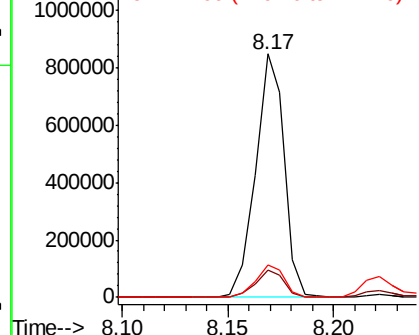


Abundance

Ion 128.00 (127.70 to 128.70): E

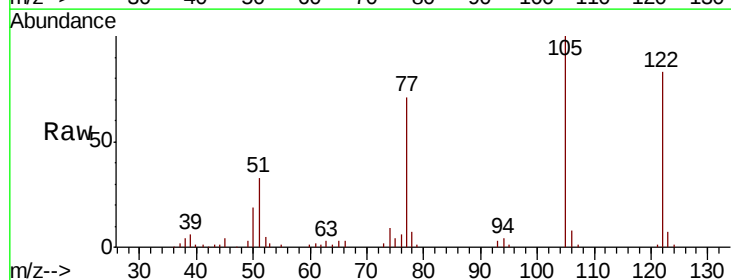
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 31.289 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.1	104.7	144.7
77	85.4	69.1	109.1

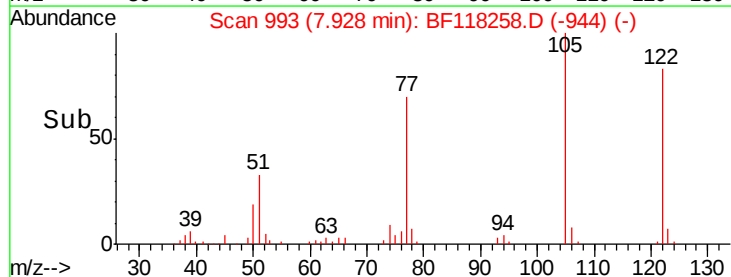
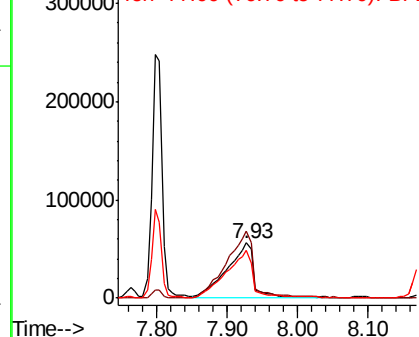


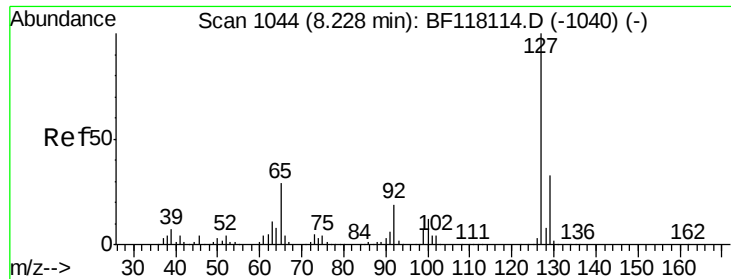
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





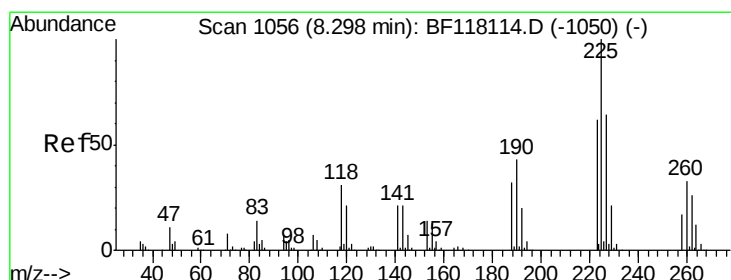
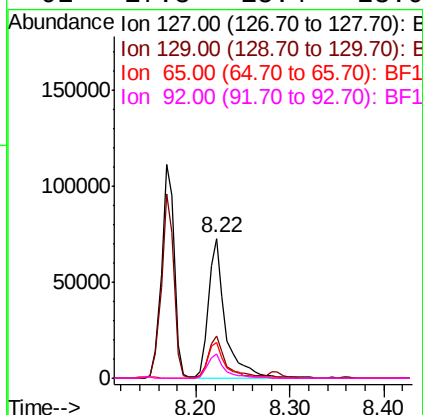
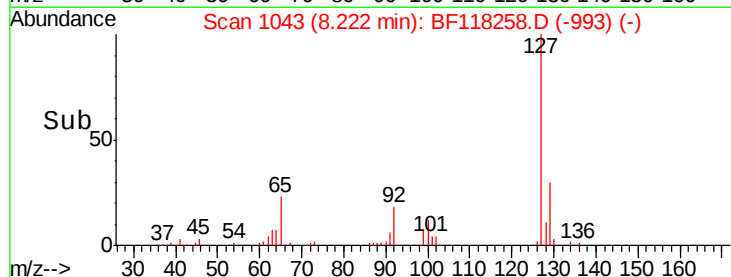
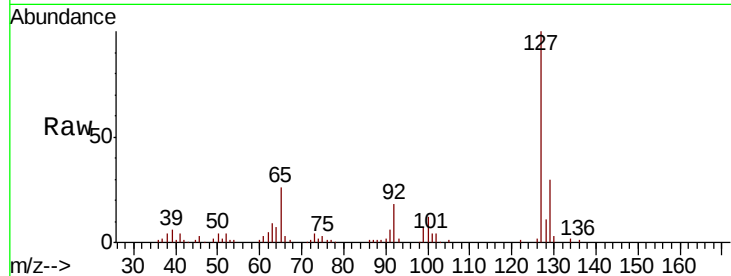
#33
 4-Chloroaniline
 Concen: 10.371 ng
 RT: 8.22 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	30.4	26.6	40.0	
65	25.9	23.2	34.8	
92	17.8	15.4	23.0	

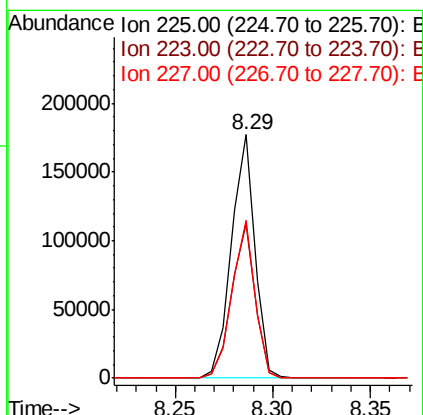
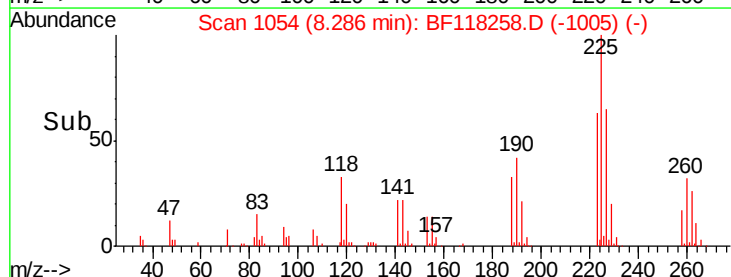
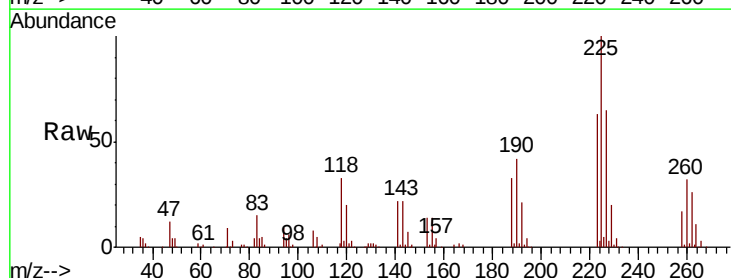
Manual Integrations
 APPROVED

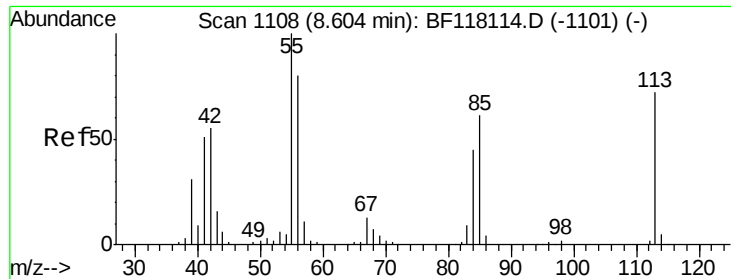
mohammad
 12/19/2019 11:16:43 AM



#34
 Hexachlorobutadiene
 Concen: 34.814 ng
 RT: 8.29 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	49.6	74.4	
227	65.1	51.0	76.6	





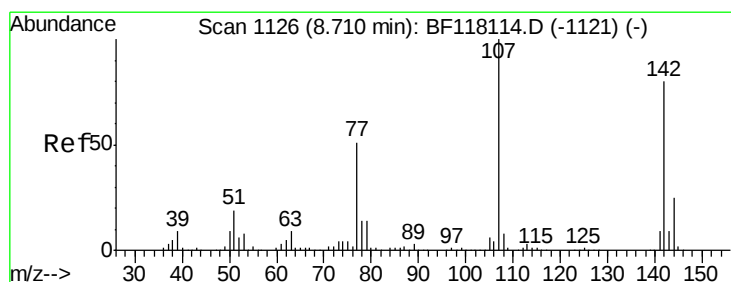
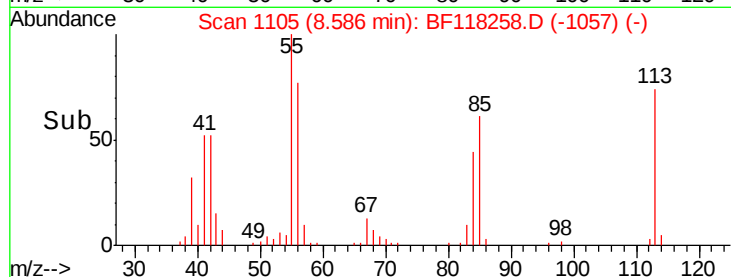
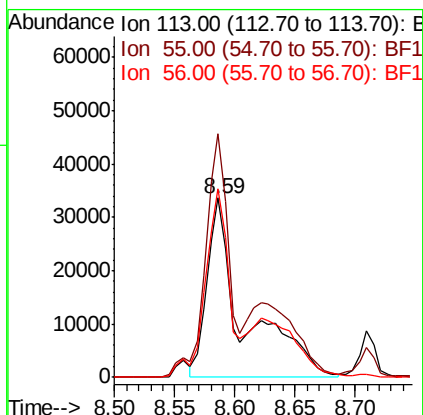
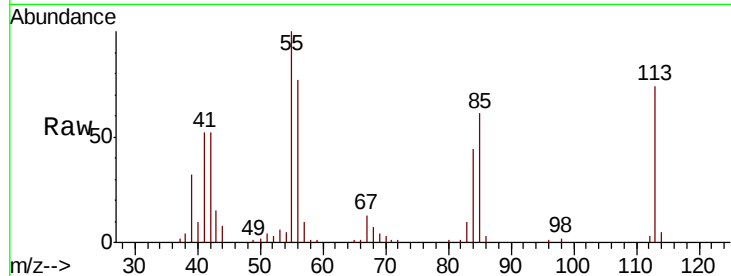
#35
Caprolactam
Concen: 37.821 ng/ml
RT: 8.59 min Scan# 1105
Delta R.T. -0.02 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	135.7	118.9	158.9	
56	104.8	91.4	131.4	

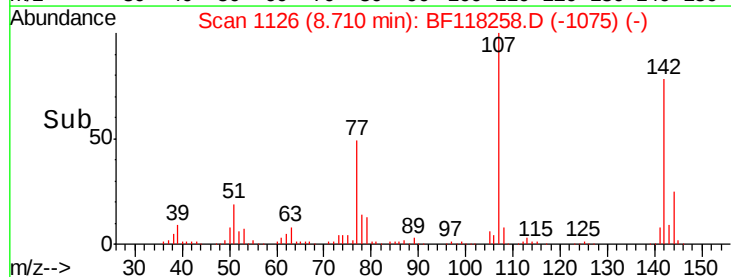
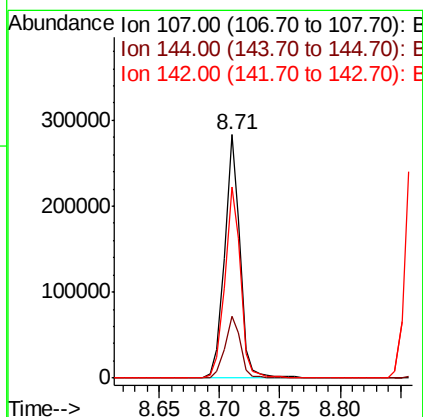
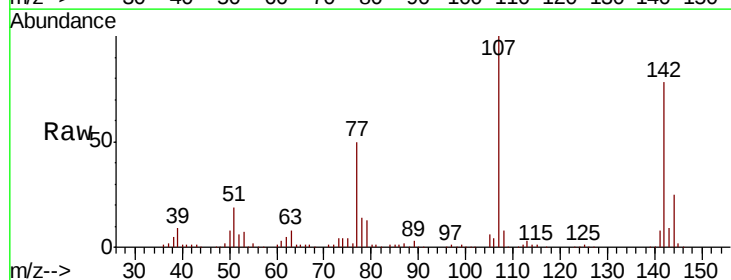
Manual Integrations
APPROVED

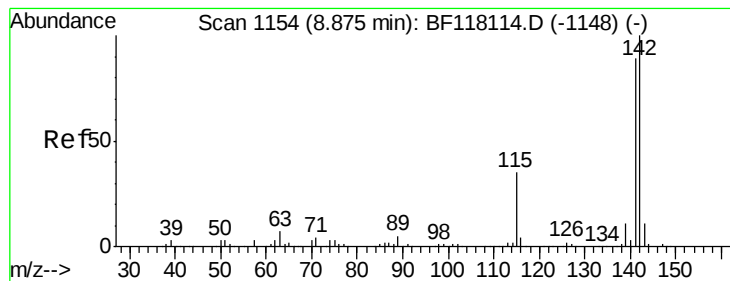
mohammad
12/19/2019 11:16:43 AM



#36
4-Chloro-3-methylphenol
Concen: 39.069 ng/ml
RT: 8.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	25.3	20.3	30.5	
142	78.5	63.7	95.5	





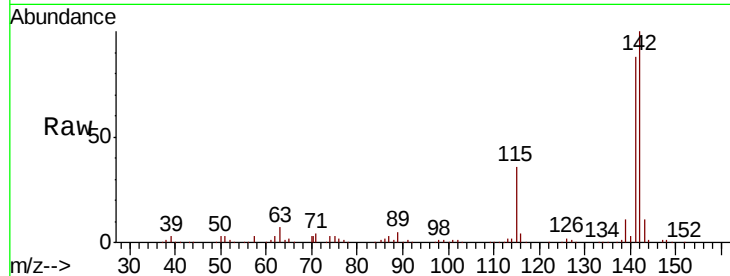
#37
2-Methylnaphthalene
Concen: 38.893 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.4	107.0
115	35.7	28.2	42.4

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

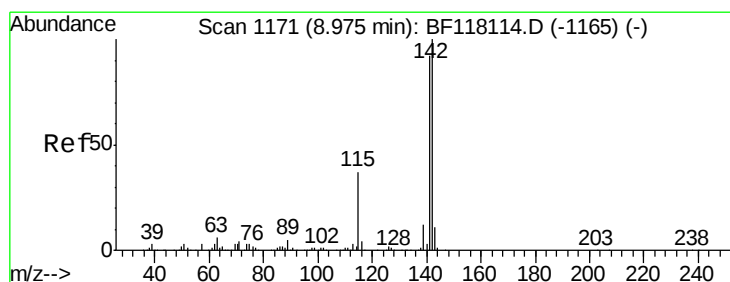
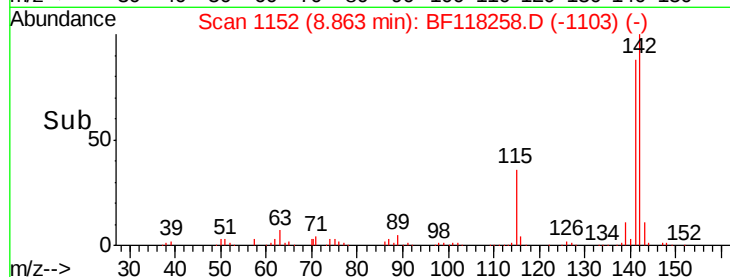
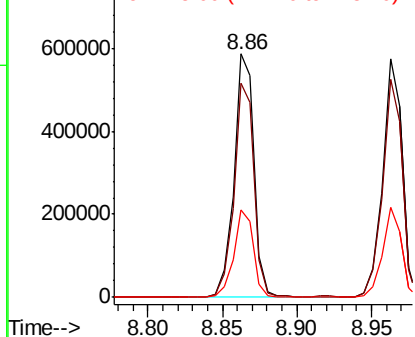


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 38.176 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

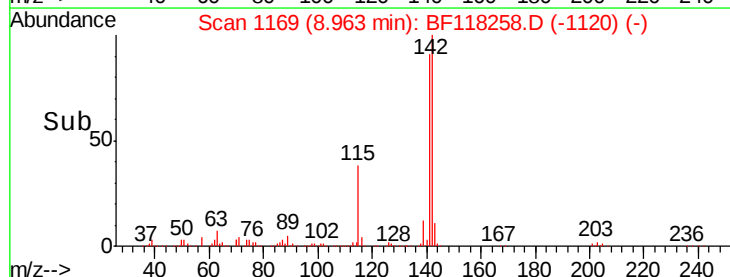
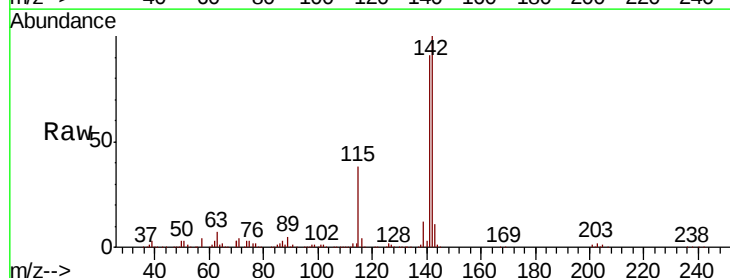
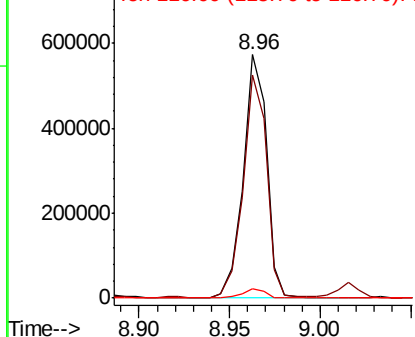
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	74.0	111.0
116	3.8	3.2	4.8

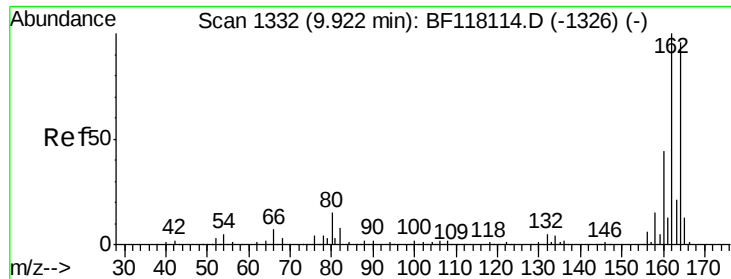
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





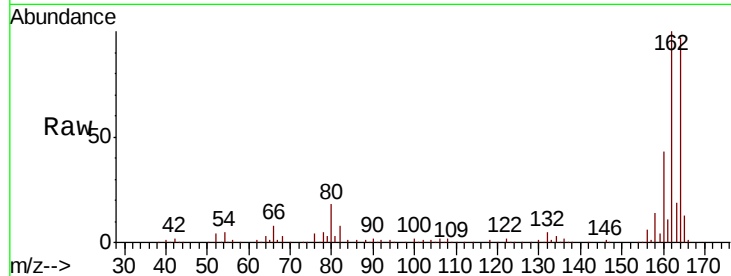
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	83.4	125.0	
160	44.8	36.6	54.8	

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

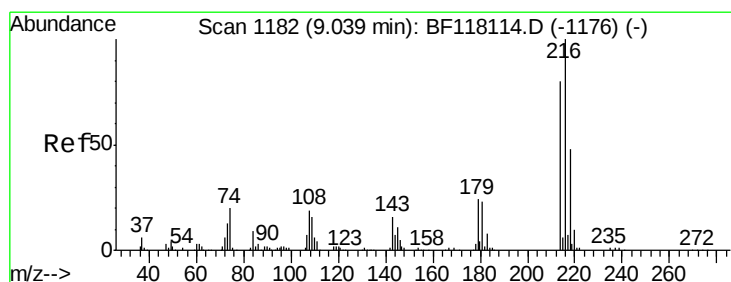
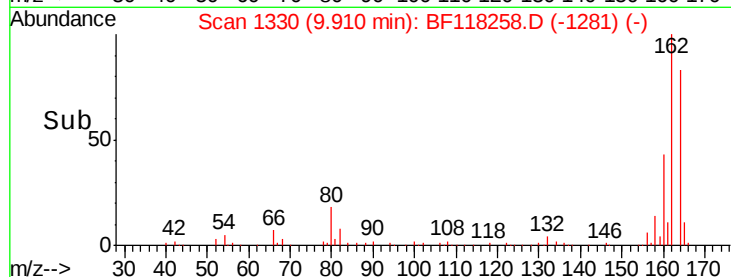
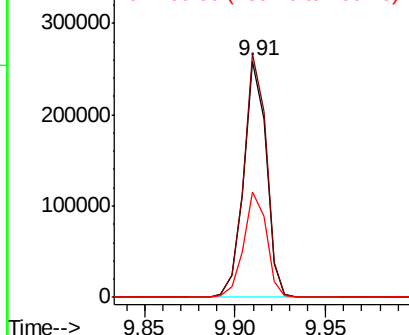


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.317 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.9	63.4	95.2	
179	23.0	18.6	27.8	
108	20.6	15.4	23.0	

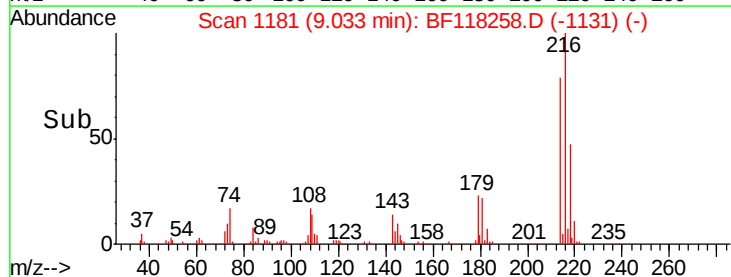
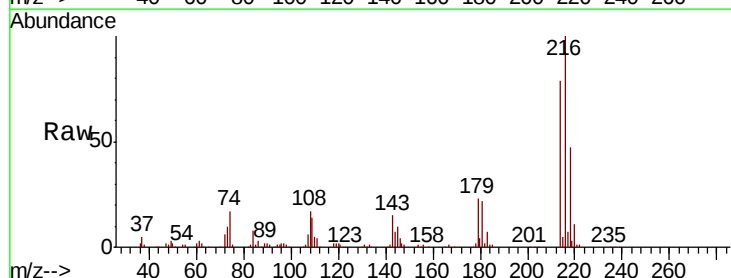
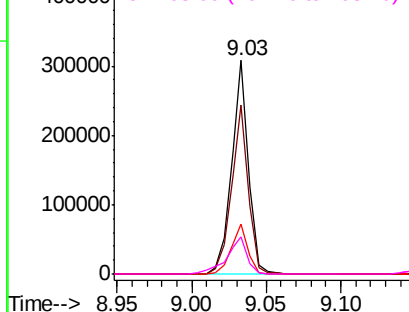
Abundance

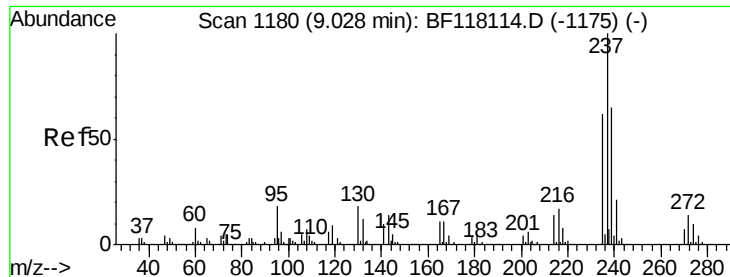
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





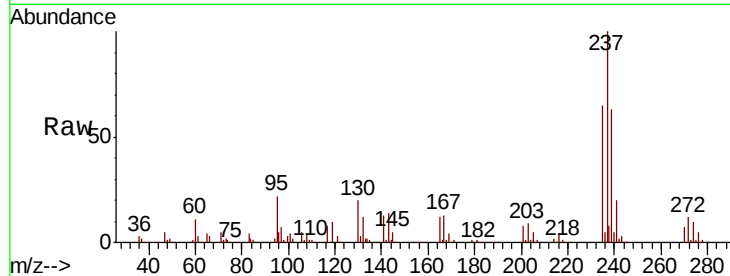
#41
Hexachlorocyclopentadiene
Concen: 74.749 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

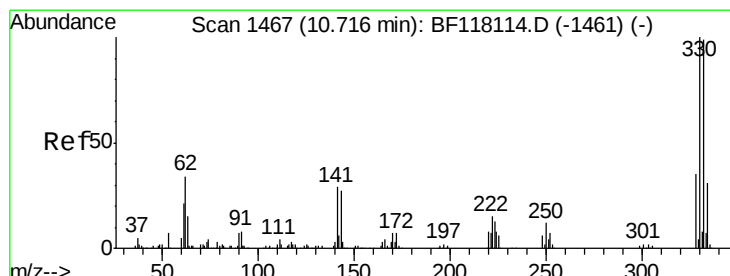
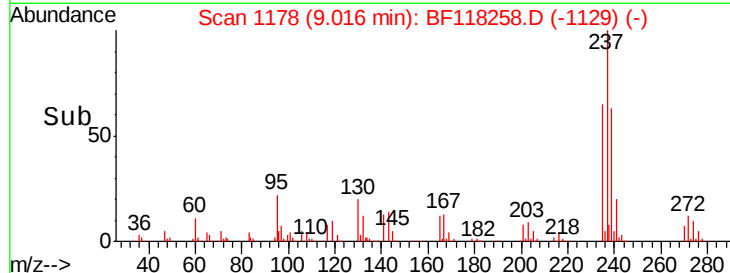
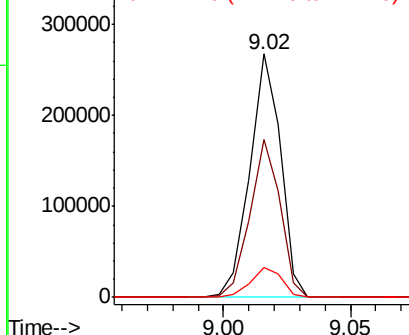
Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	64.9	41.5	81.5	
272	12.2	0.0	33.7	

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



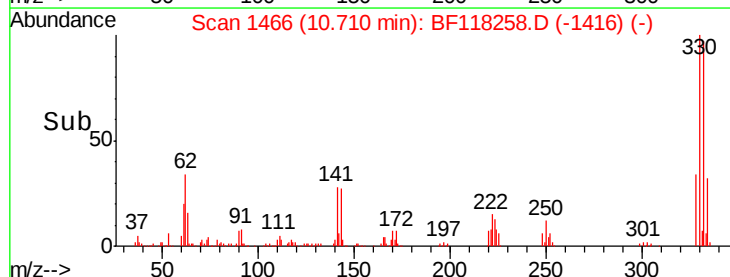
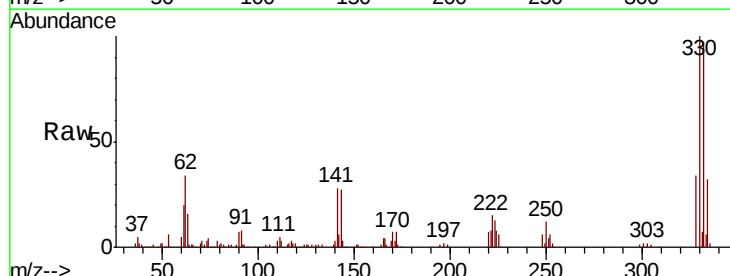
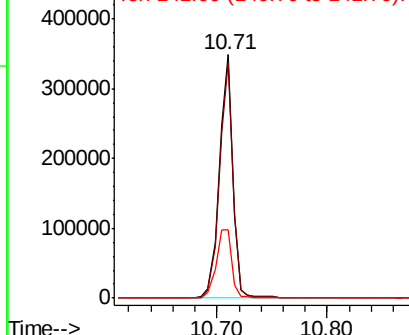
Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

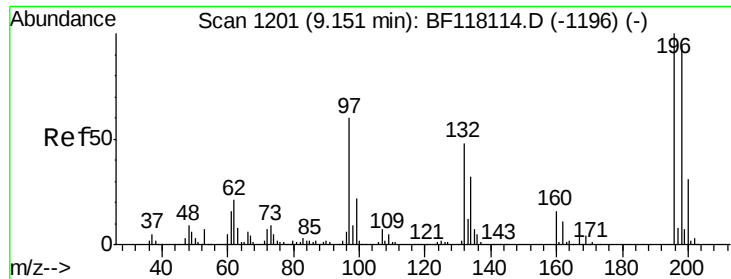


#42
2,4,6-Tribromophenol
Concen: 109.622 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	78.1	117.1	
141	32.0	26.9	40.3	

Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





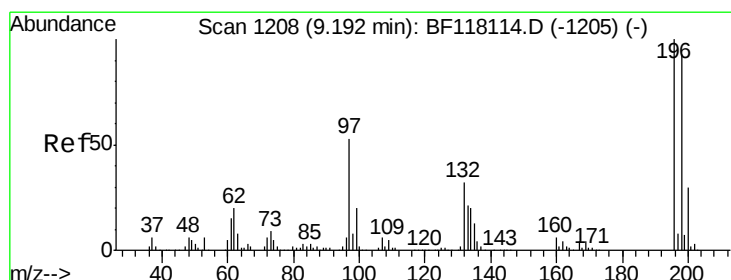
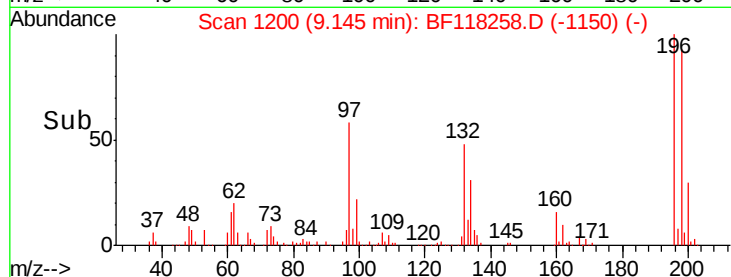
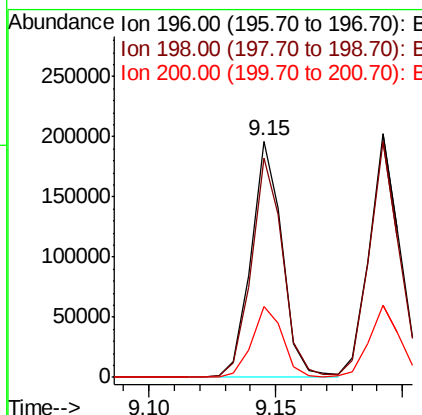
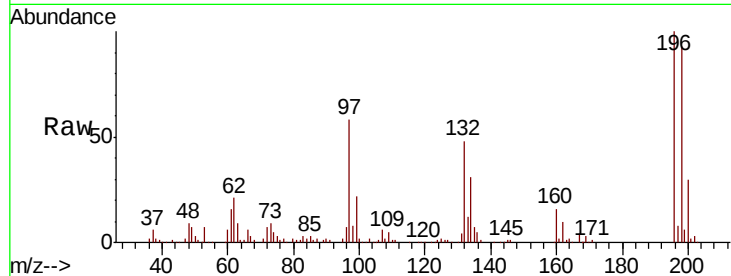
#43
 2,4,6-Trichlorophenol
 Concen: 37.196 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Instrument :
 BNA_F
 ClientSampled :
 EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	168021		
198	92.8	75.0	112.4	
200	29.9	24.5	36.7	

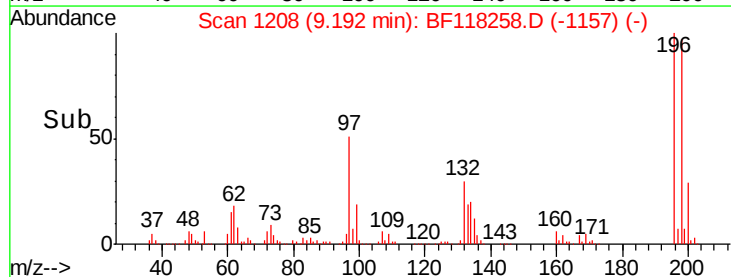
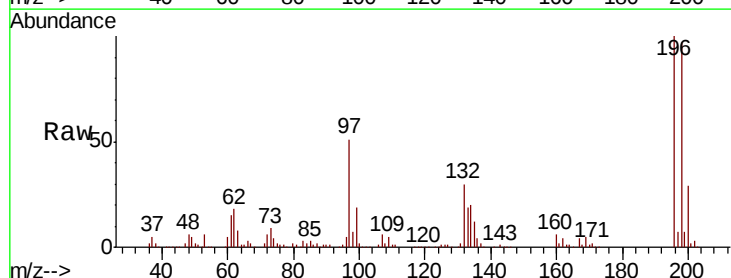
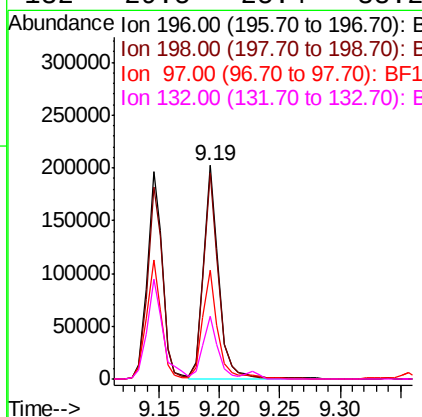
Manual Integrations
 APPROVED

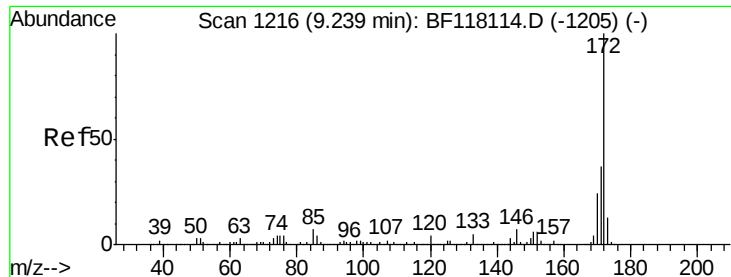
mohammad
 12/19/2019 11:16:43 AM



#44
 2,4,5-Trichlorophenol
 Concen: 37.942 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	177568		
198	96.7	74.2	111.4	
97	51.2	42.5	63.7	
132	29.5	25.4	38.2	





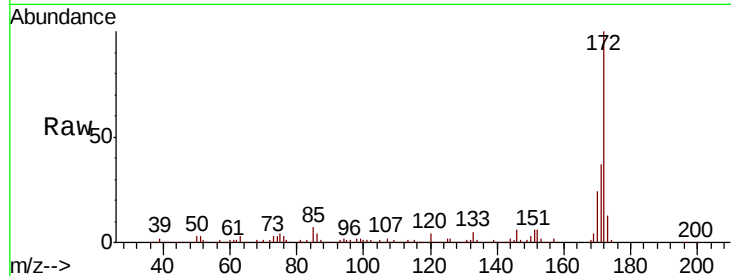
#45
2-Fluorobiphenyl
Concen: 71.669 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.2	43.8
170	24.0	19.4	29.2

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

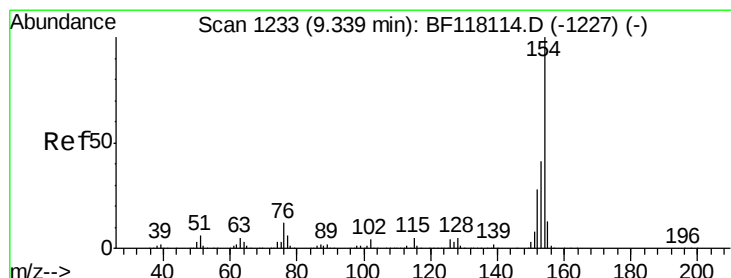
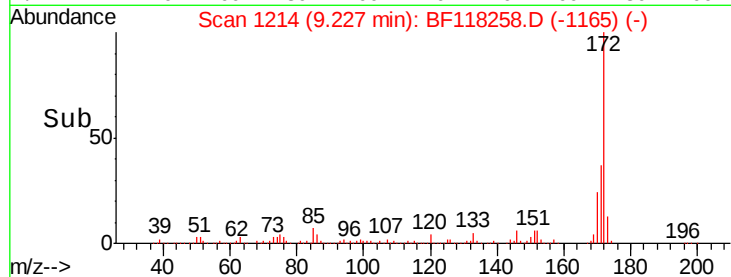
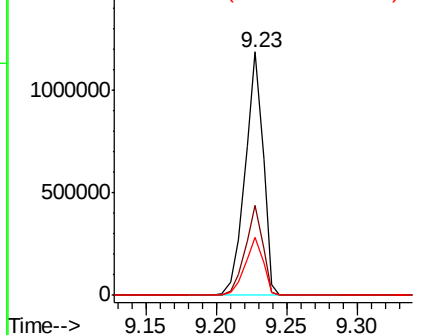


Abundance

Ion 172.00 (171.70 to 172.70): E

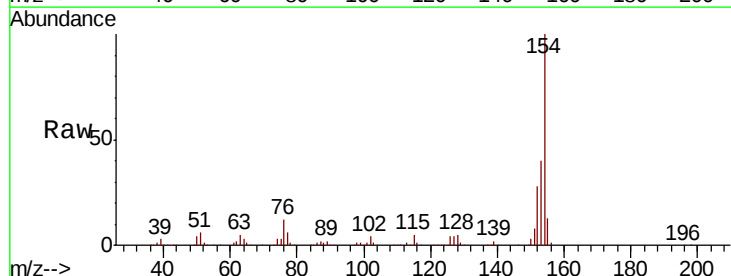
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 37.923 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	12.3	0.0	31.9

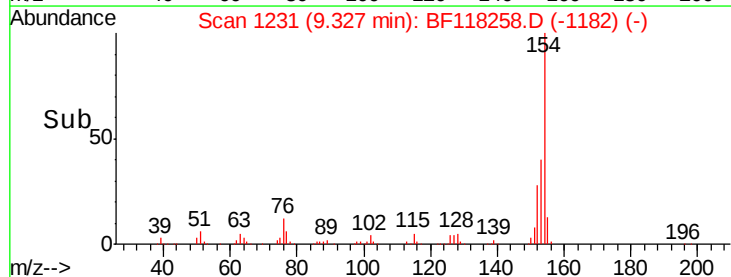
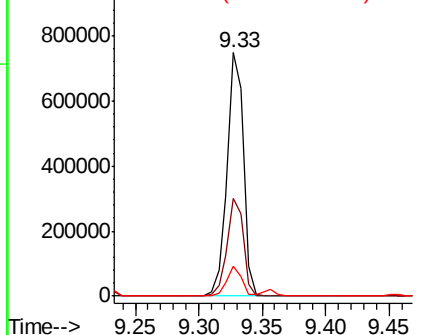


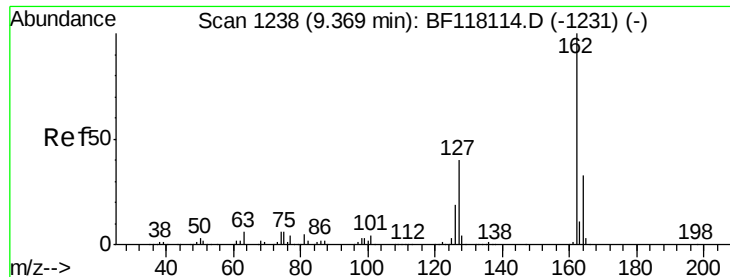
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





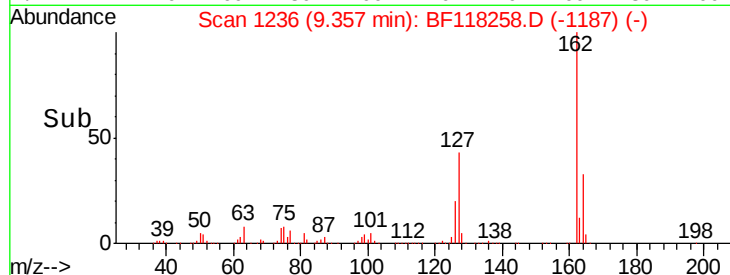
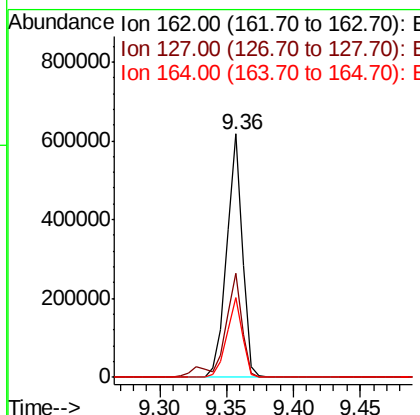
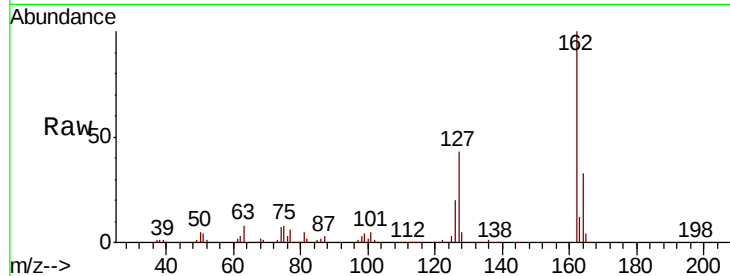
#47
2-Chloronaphthalene
Concen: 36.404 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	515796		
127	42.9		32.0	48.0
164	32.8		26.1	39.1

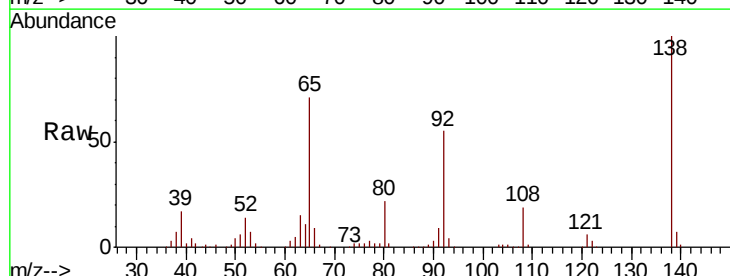
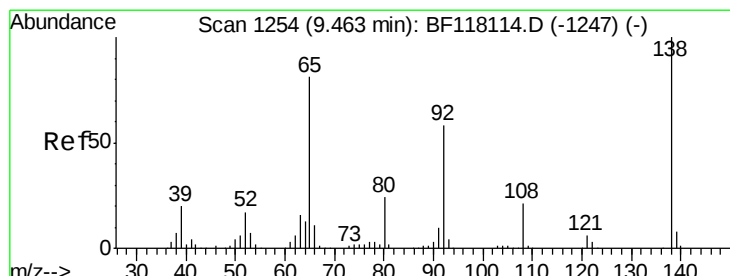
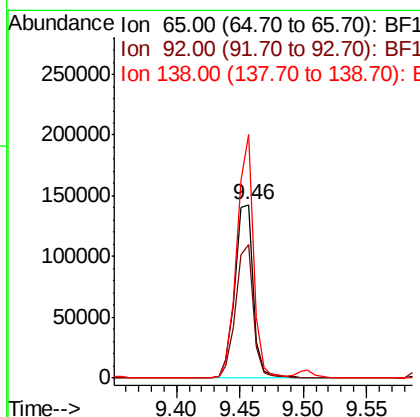
Manual Integrations
APPROVED

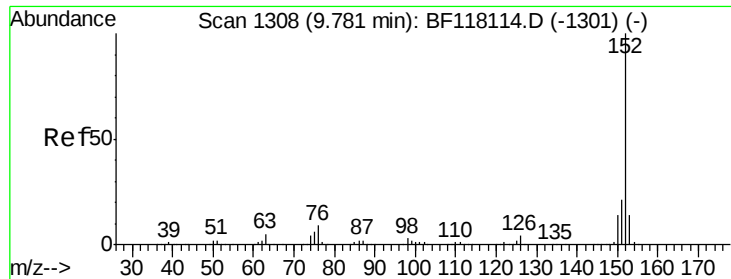
mohammad
12/19/2019 11:16:43 AM



#48
2-Nitroaniline
Concen: 35.485 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	143378		
92	77.0		57.8	86.6
138	140.4		98.8	148.2





#49

Acenaphthylene

Concen: 39.911 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

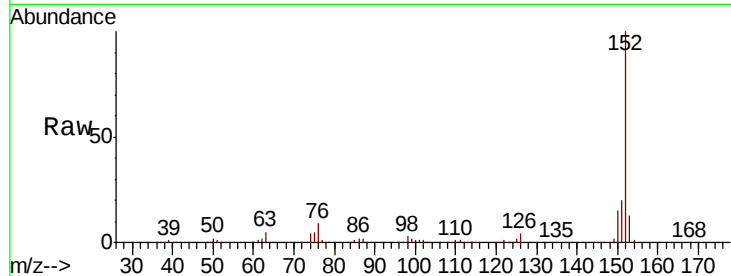
ClientSampleId :

EP-15MS

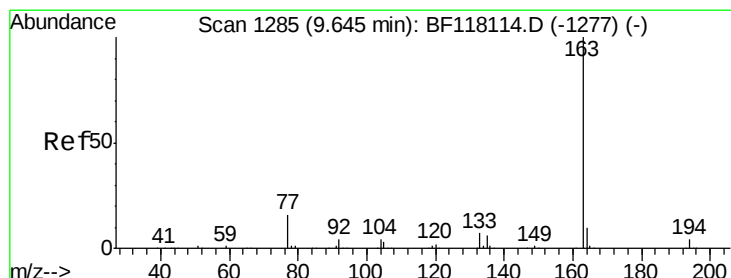
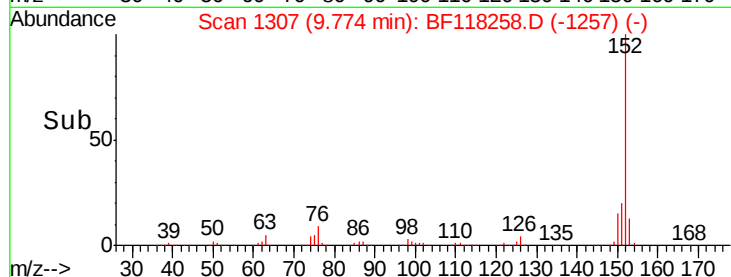
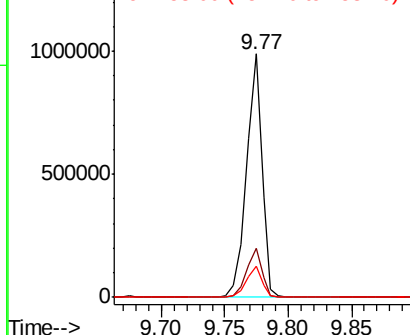
Tot Ion:	152	Resp:	834054
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.4	24.6
153	13.0	10.8	16.2

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 40.386 ng

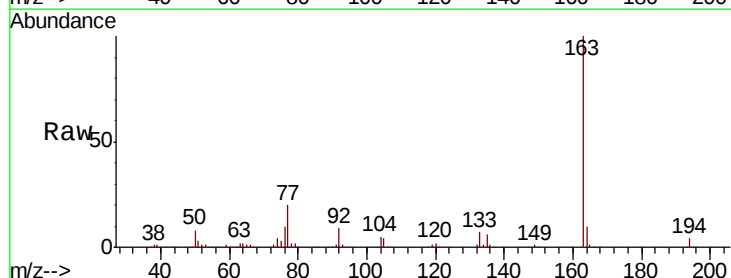
RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

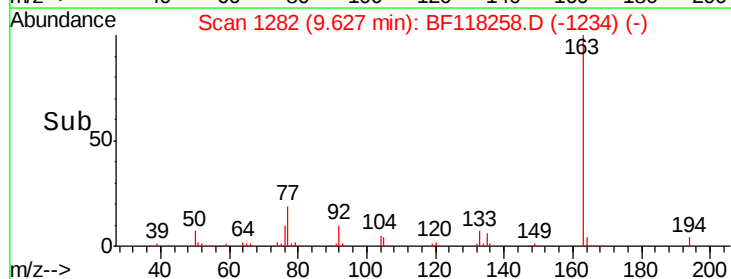
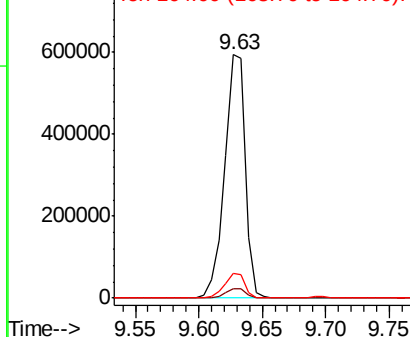
Lab File: BF118258.D

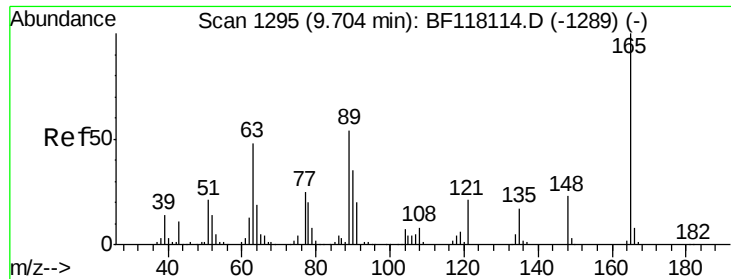
Acq: 18 Dec 2019 14:52

Tgt Ion:	163	Resp:	666221
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.1	4.7
164	10.1	7.7	11.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





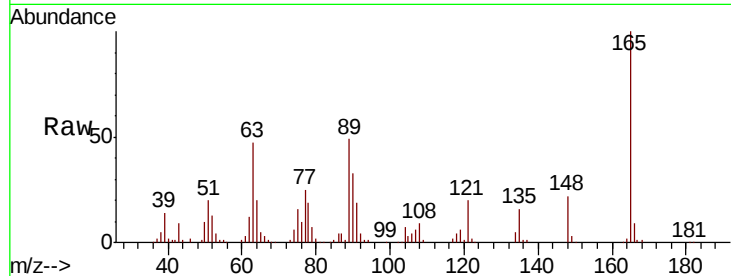
#51
2,6-Dinitrotoluene
Concen: 38.296 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

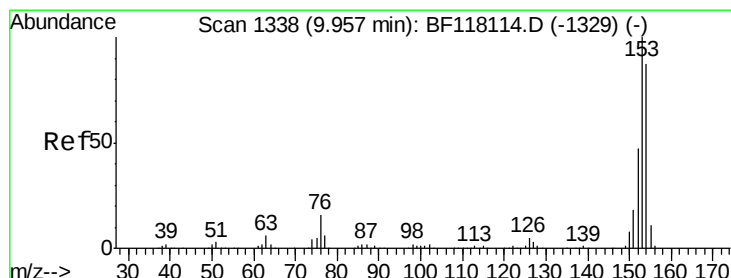
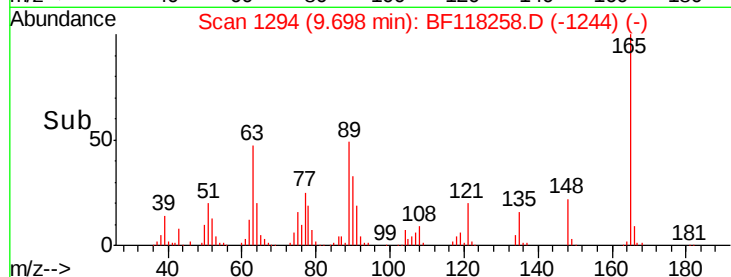
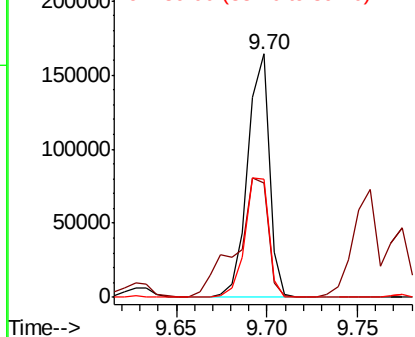
Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		137367		
63	46.9	41.4	62.0		
89	48.6	42.9	64.3		

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

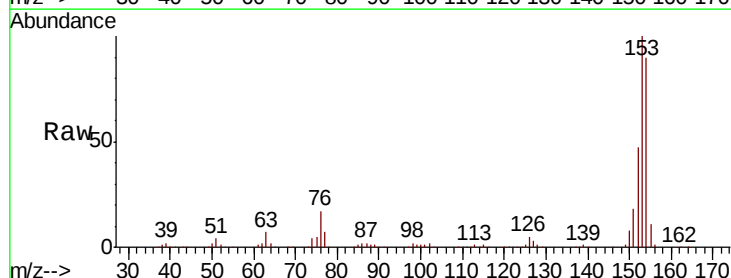


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

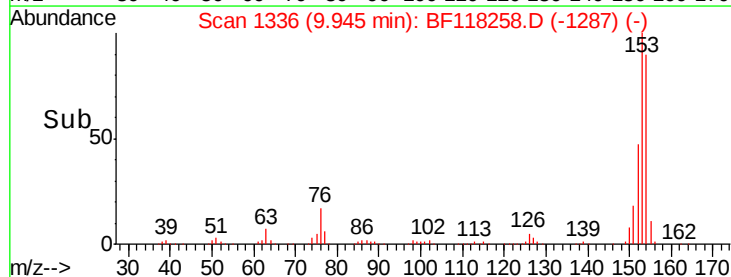
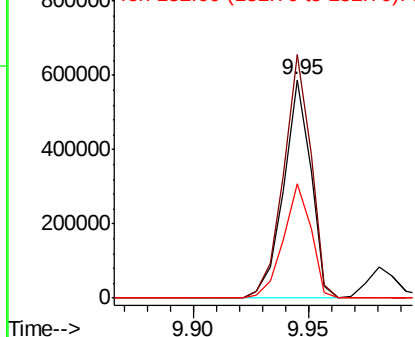


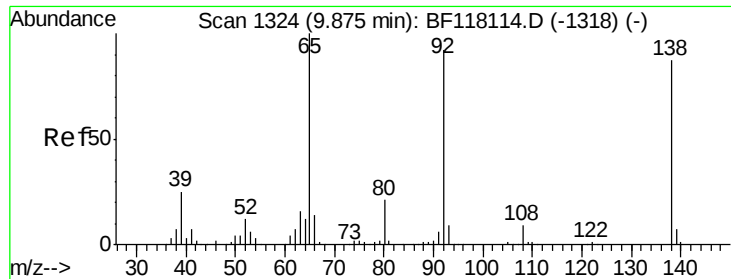
#52
Acenaphthene
Concen: 37.551 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		478984		
153	111.6	91.8	137.6		
152	52.6	43.3	64.9		



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





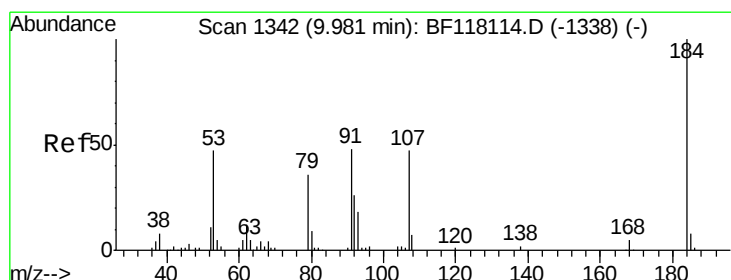
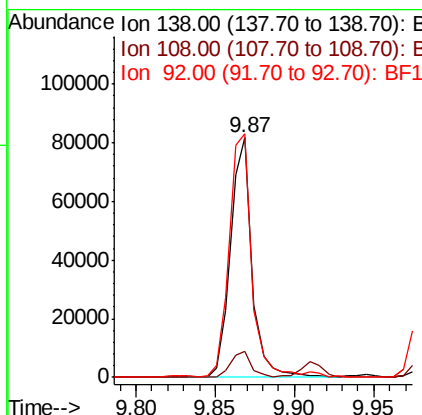
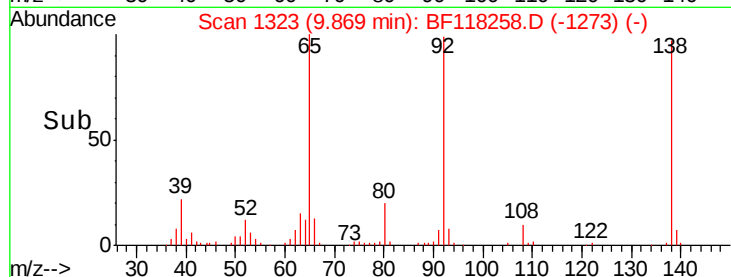
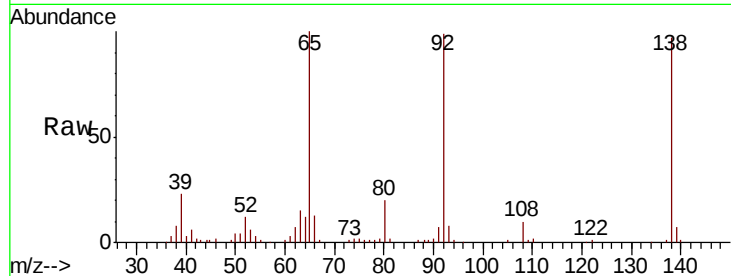
#53
3-Nitroaniline
Concen: 18.235 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.2	12.4
92	101.6	84.9	127.3

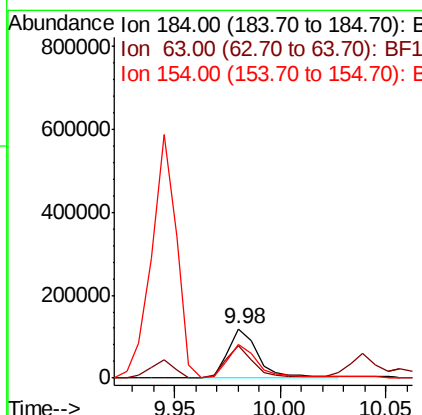
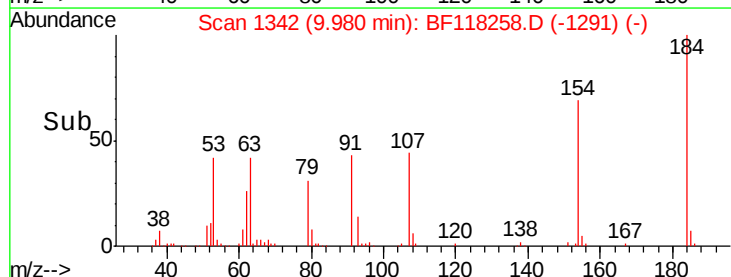
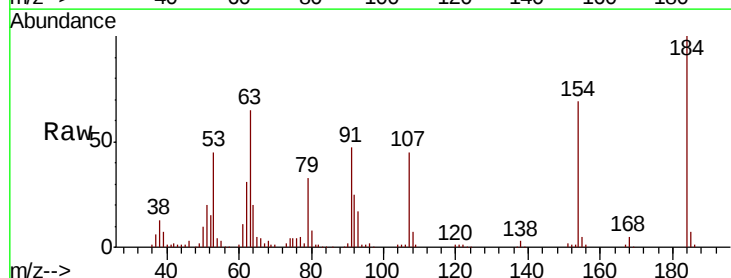
Manual Integrations
APPROVED

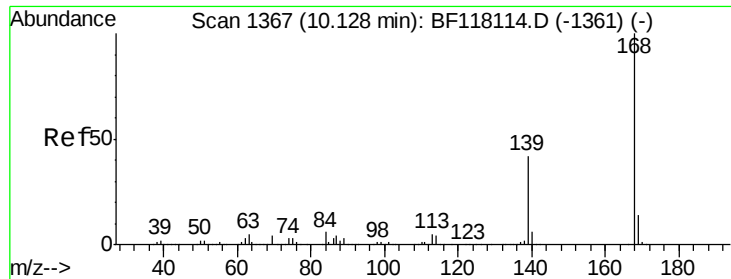
mohammad
12/19/2019 11:16:43 AM



#54
2,4-Dinitrophenol
Concen: 67.494 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
184	100		
63	64.6	53.9	80.9
154	69.0	56.3	84.5





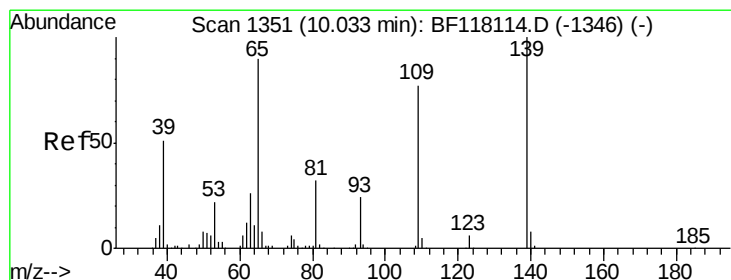
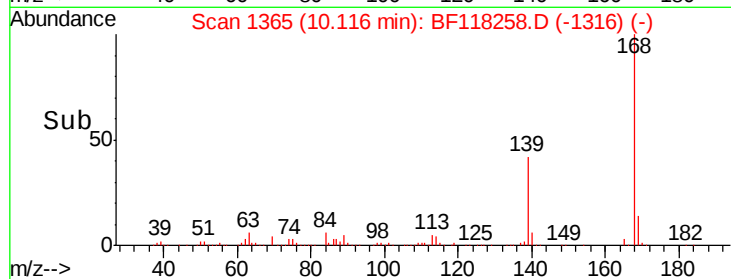
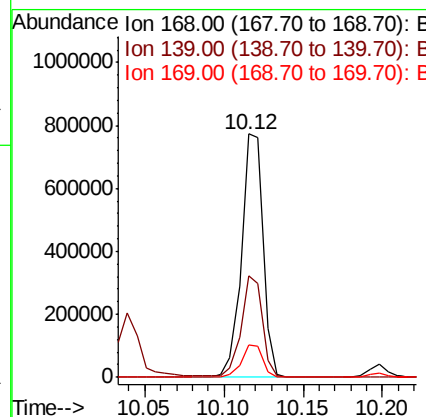
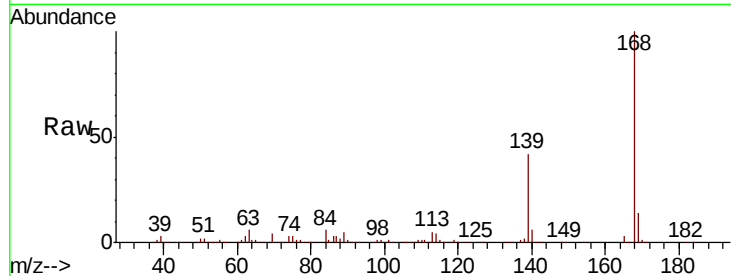
#55
Dibenzofuran
Concen: 39.137 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.8	33.4	50.0
169	13.5	11.0	16.6

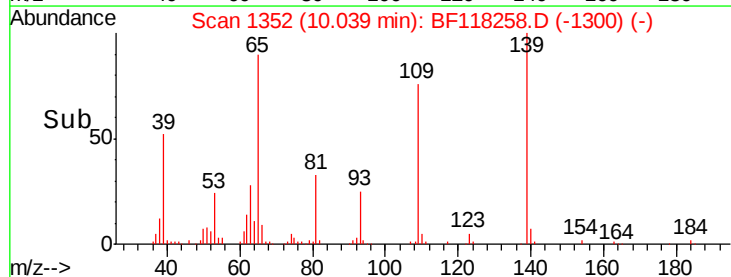
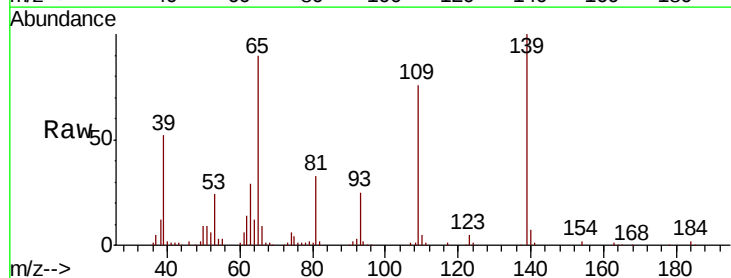
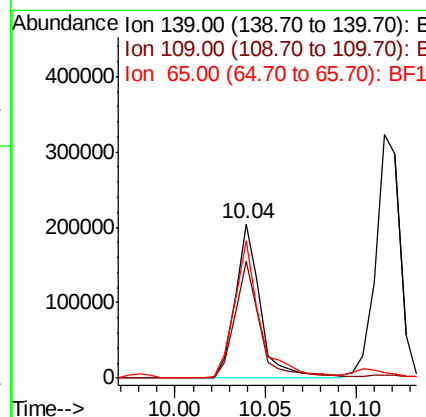
Manual Integrations
APPROVED

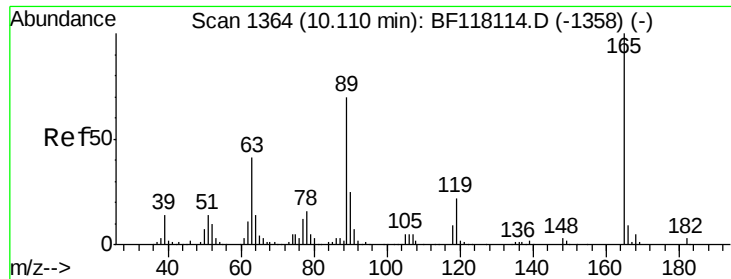
mohammad
12/19/2019 11:16:43 AM



#56
4-Nitrophenol
Concen: 67.770 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
139	100		
109	76.3	57.3	97.3
65	89.6	70.2	110.2





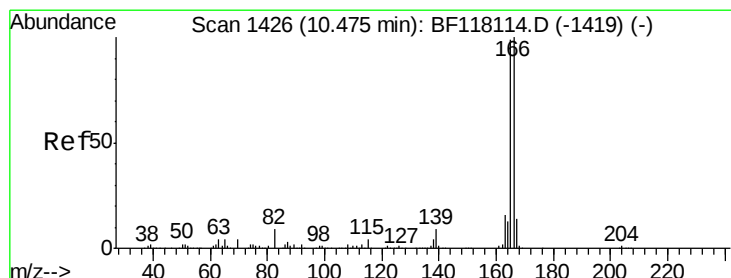
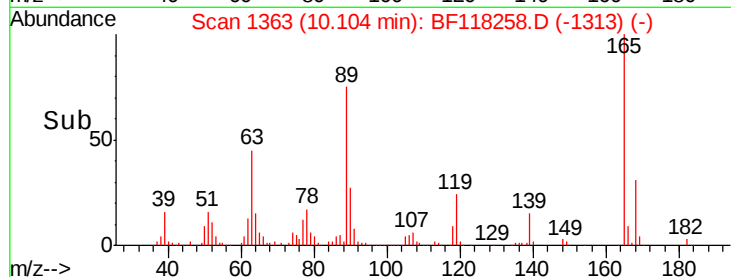
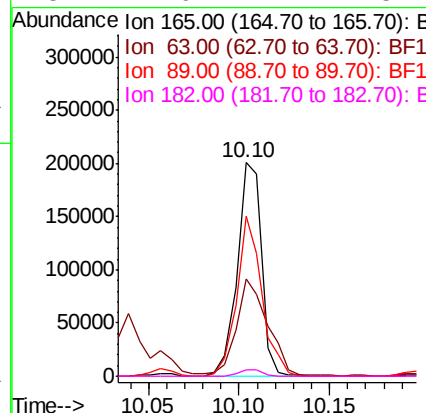
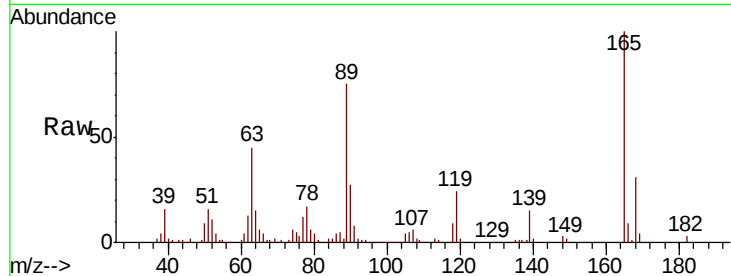
#57
2,4-Dinitrotoluene
Concen: 38.994 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	186693		
63	45.3	32.6	49.0	
89	75.0	56.1	84.1	
182	2.9	2.1	3.1	

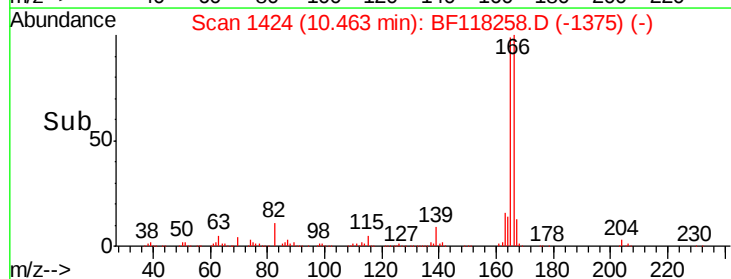
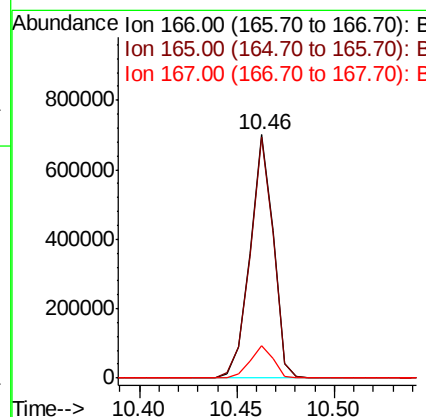
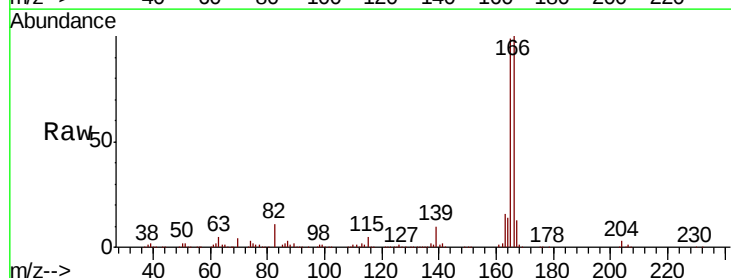
Manual Integrations
APPROVED

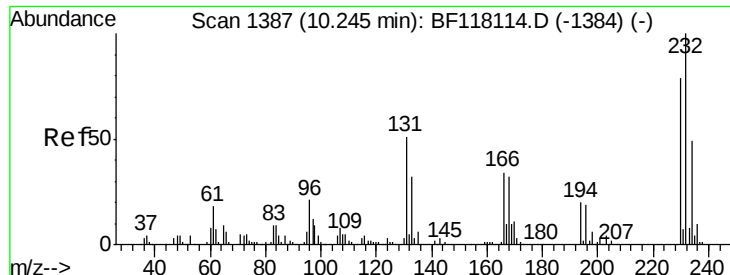
mohammad
12/19/2019 11:16:43 AM



#58
Fluorene
Concen: 38.894 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	577696		
165	99.0	79.0	118.4	
167	13.4	10.9	16.3	





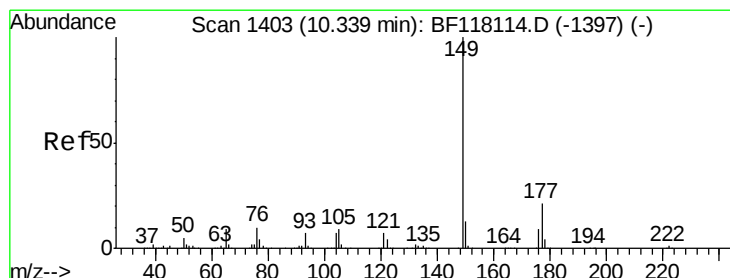
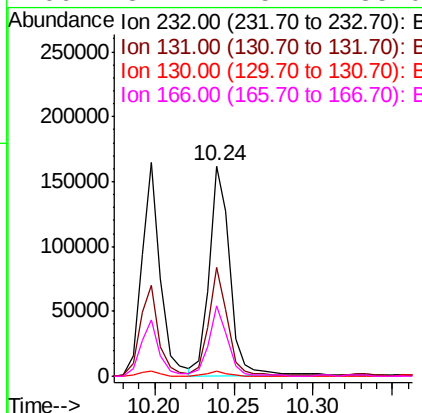
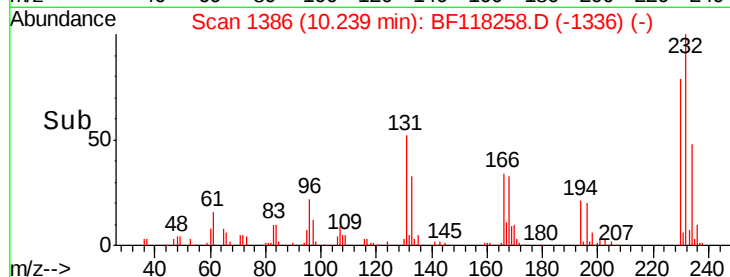
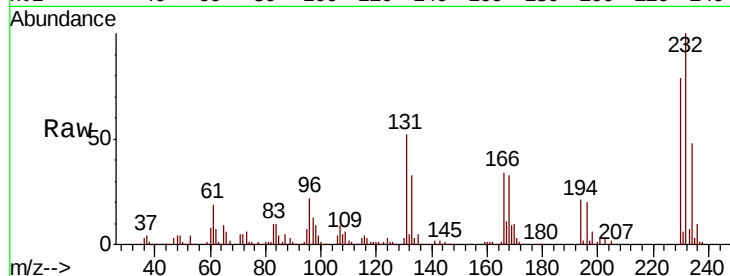
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.922 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion:	232	Resp:	146419
Ion Ratio	Lower	Upper	
232	100		
131	47.9	38.8	58.2
130	2.4	1.9	2.9
166	31.2	25.4	38.0

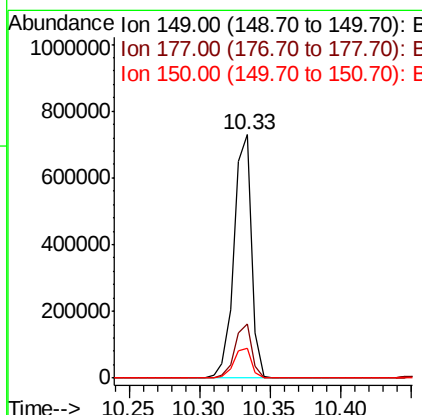
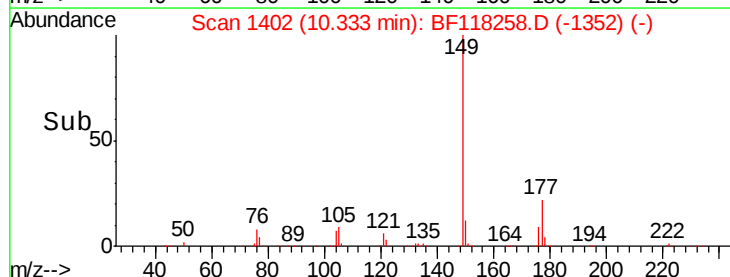
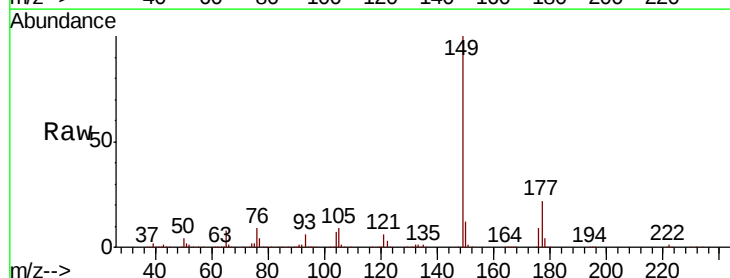
Manual Integrations
APPROVED

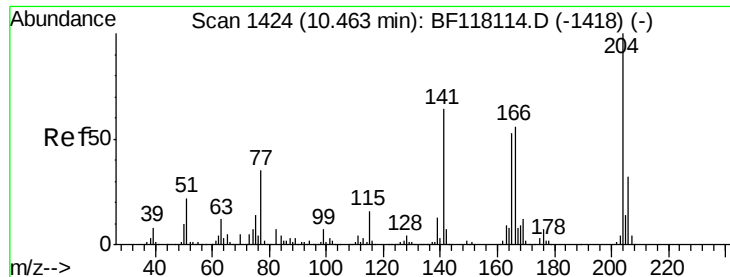
mohammad
12/19/2019 11:16:43 AM



#60
Diethylphthalate
Concen: 38.685 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion:	149	Resp:	628749
Ion Ratio	Lower	Upper	
149	100		
177	22.4	17.0	25.4
150	12.4	10.1	15.1





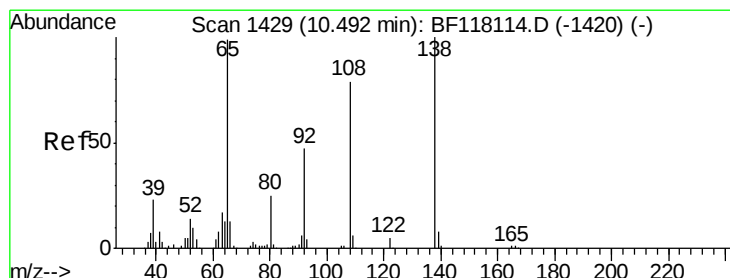
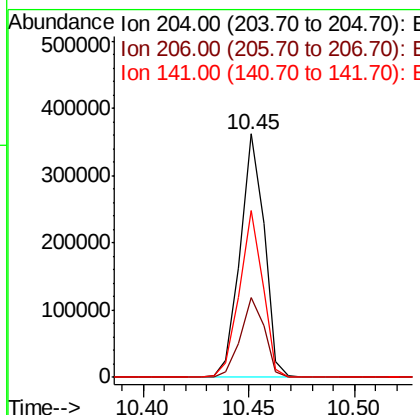
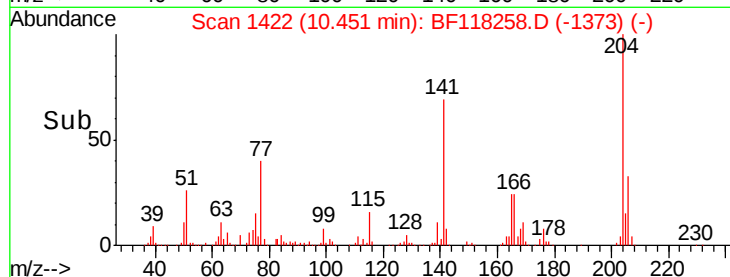
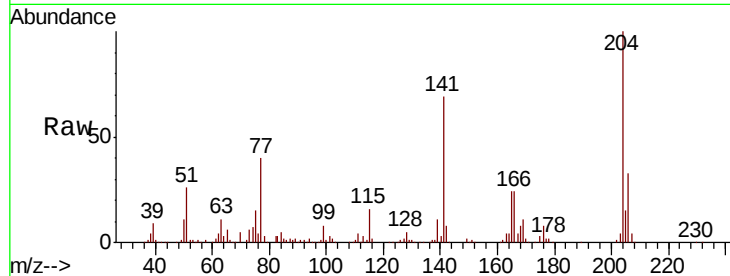
#61
4-Chlorophenyl-phenylether
Concen: 38.090 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampled :
EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	284659		
206	32.5		26.0	39.0
141	68.6		51.0	76.6

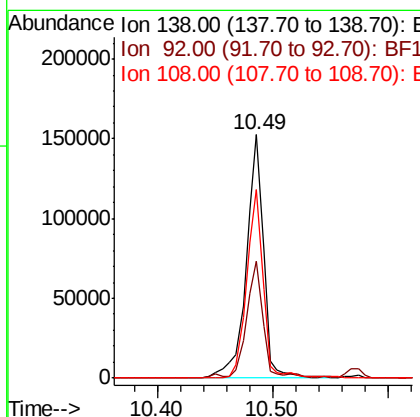
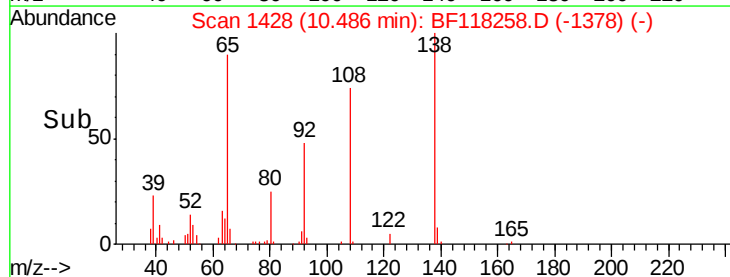
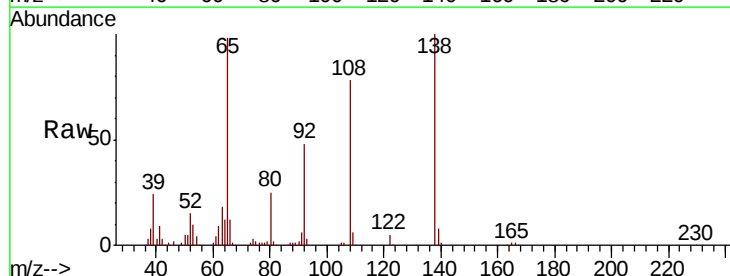
Manual Integrations
APPROVED

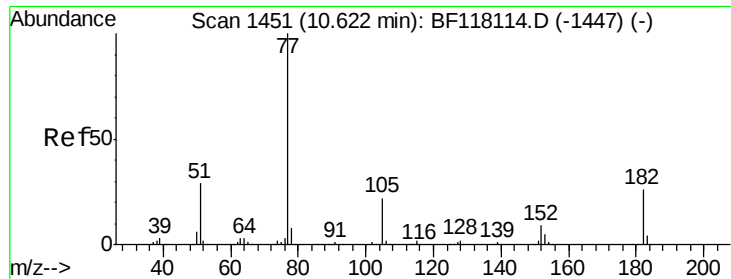
mohammad
12/19/2019 11:16:43 AM



#62
4-Nitroaniline
Concen: 35.884 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	157985		
92	47.9		27.1	67.1
108	77.6		59.0	99.0





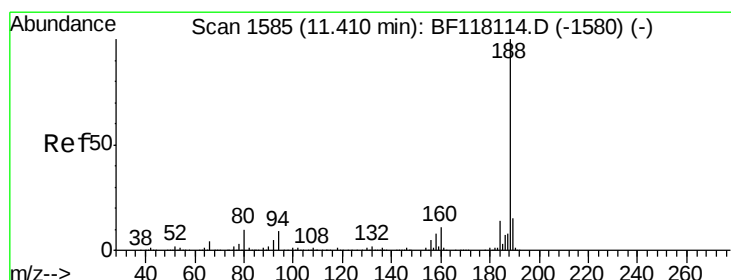
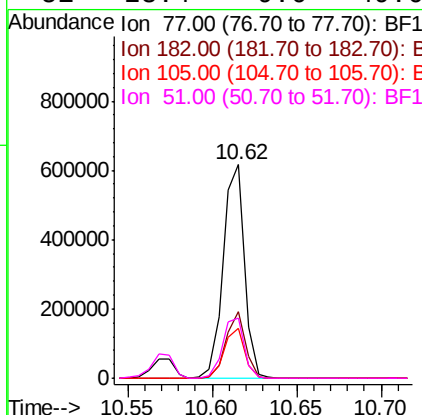
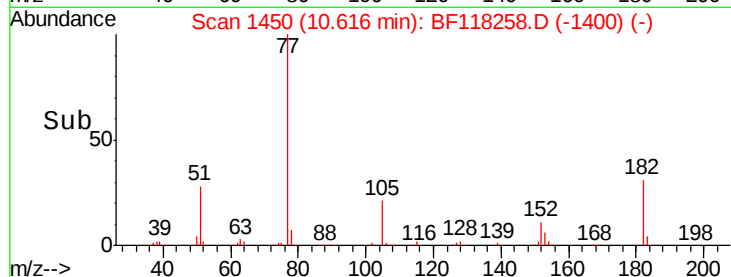
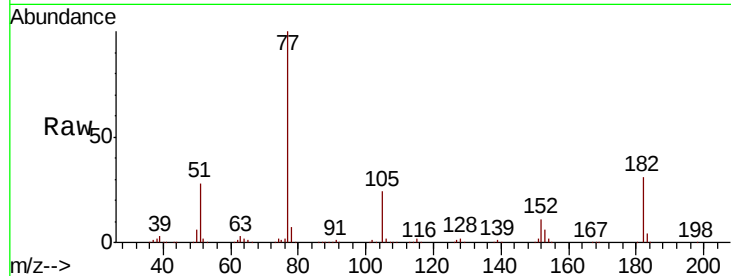
#63
Azobenzene
Concen: 38.915 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		539938		
182	30.9	5.7	45.7		
105	23.6	2.2	42.2		
51	28.4	9.6	49.6		

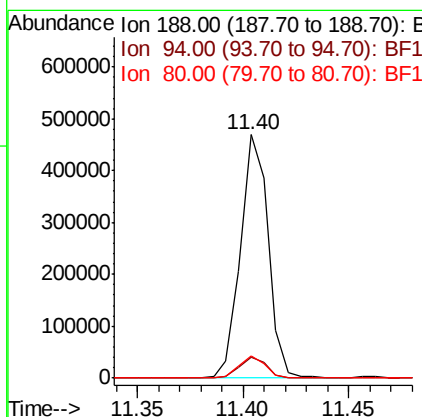
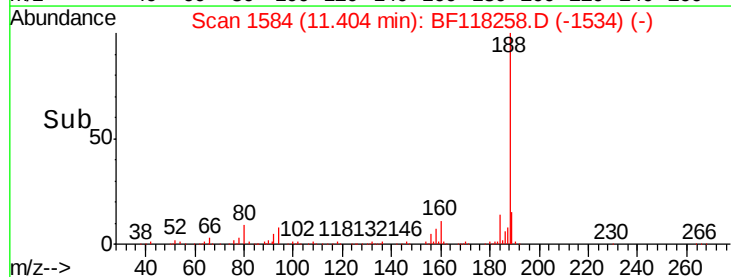
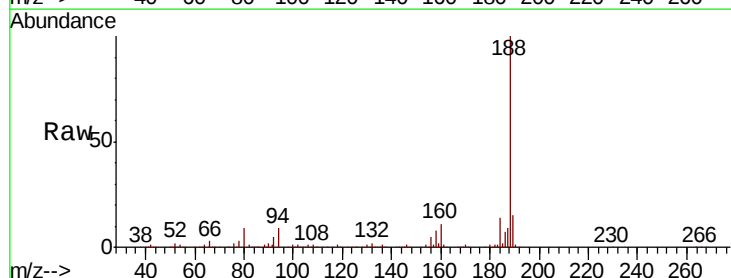
Manual Integrations
APPROVED

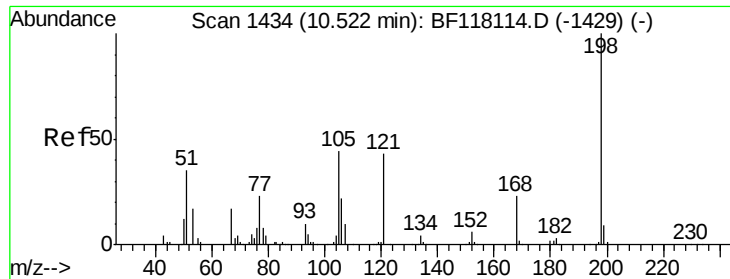
mohammad
12/19/2019 11:16:43 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		425873		
94	8.6	7.1	10.7		
80	9.0	7.9	11.9		





#65

4,6-Dinitro-2-methylphenol

Concen: 38.342 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

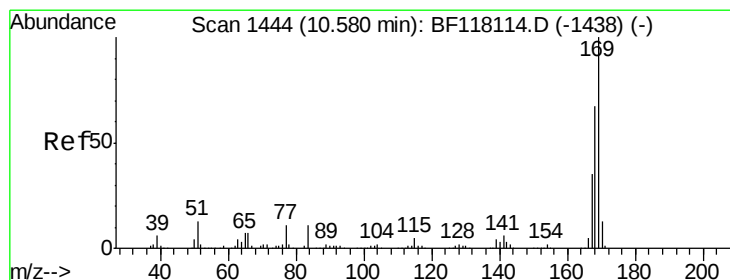
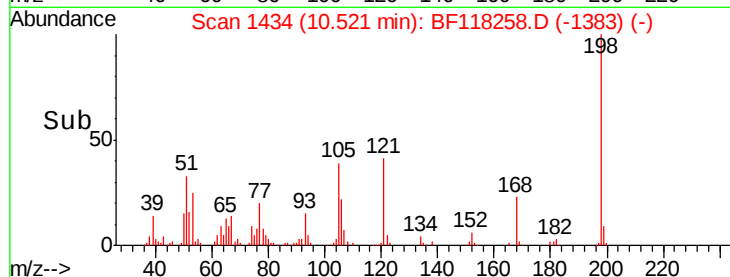
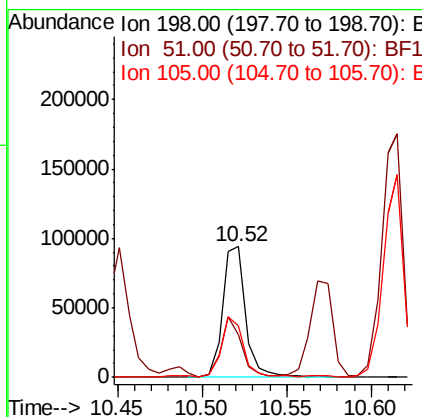
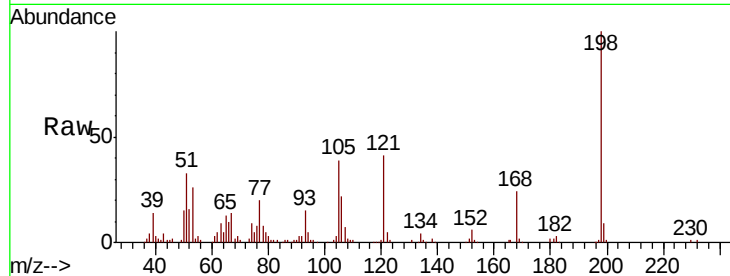
ClientSampleId :

EP-15MS

Tot Ion:	198	Resp:	90176
Ion Ratio	Lower	Upper	
198	100		
51	33.2	22.0	62.0
105	39.5	25.6	65.6

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



#66

n-Nitrosodiphenylamine

Concen: 38.937 ng

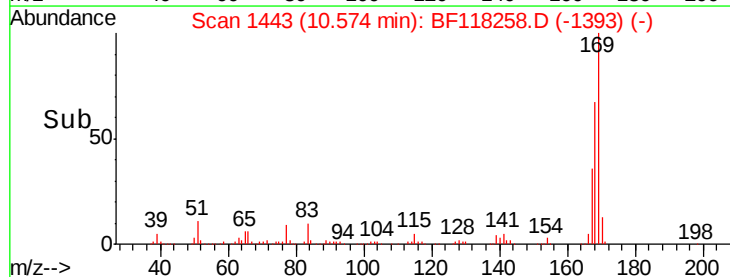
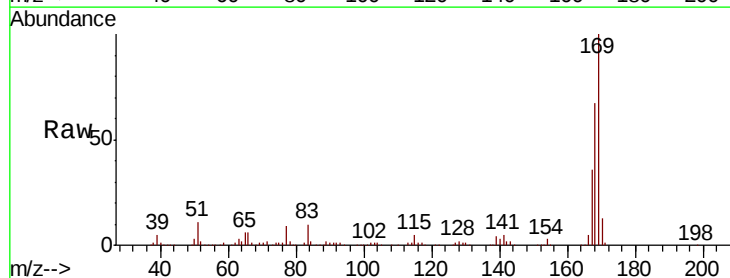
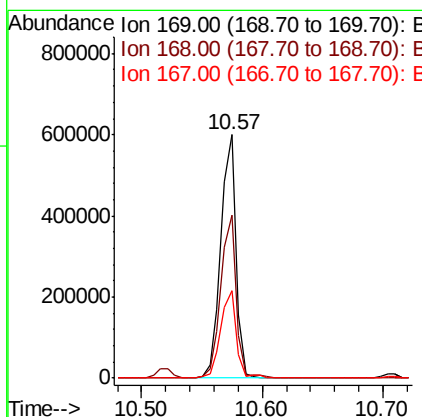
RT: 10.57 min Scan# 1443

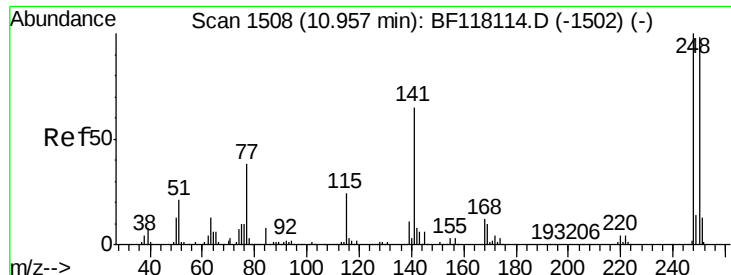
Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Tgt Ion:	169	Resp:	517839
Ion Ratio	Lower	Upper	
169	100		
168	67.1	53.4	80.2
167	35.7	28.4	42.6





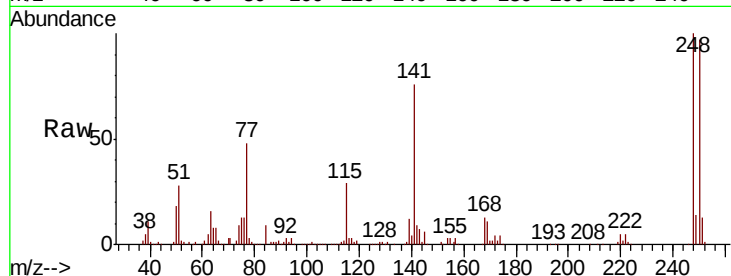
#67
4-Bromophenyl-phenylether
Concen: 36.904 ng
RT: 10.94 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.5	78.3	117.5
141	75.8	52.2	78.4

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

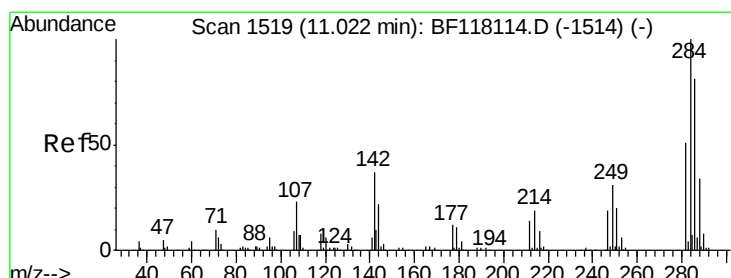
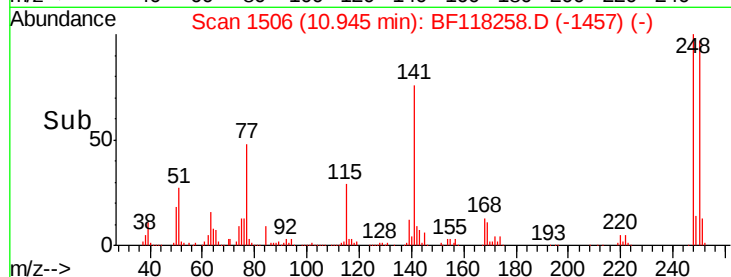
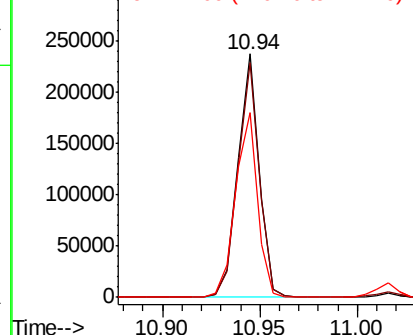


Abundance

Ion 248.00 (247.70 to 248.70): E

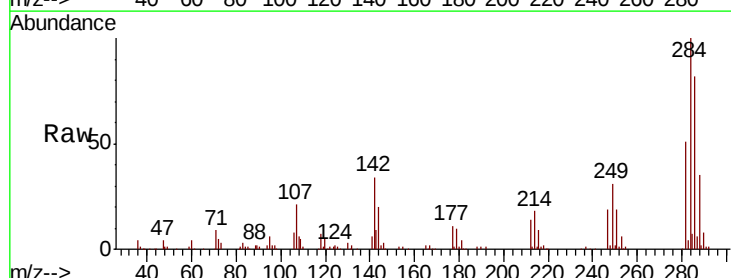
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 35.813 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.3	29.7	44.5
249	31.5	24.6	37.0

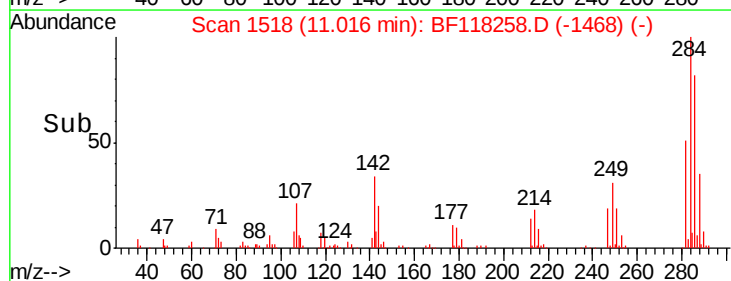
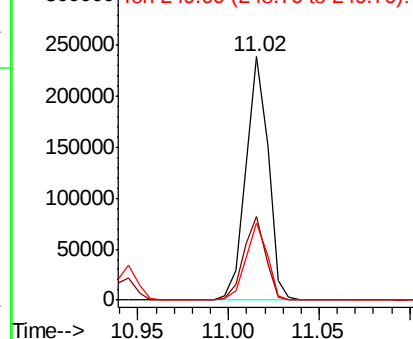


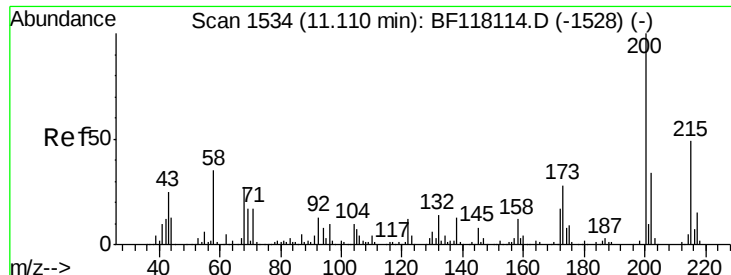
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





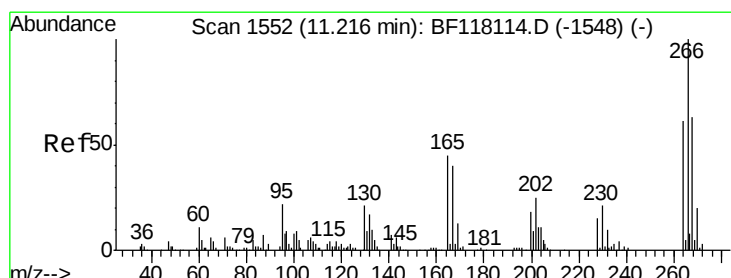
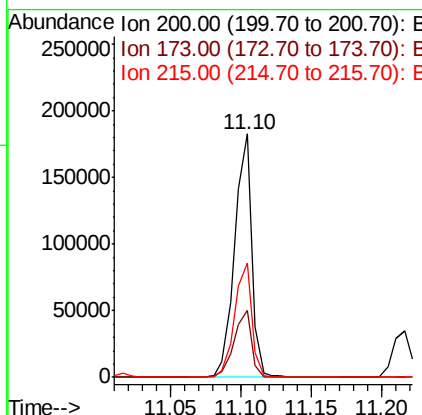
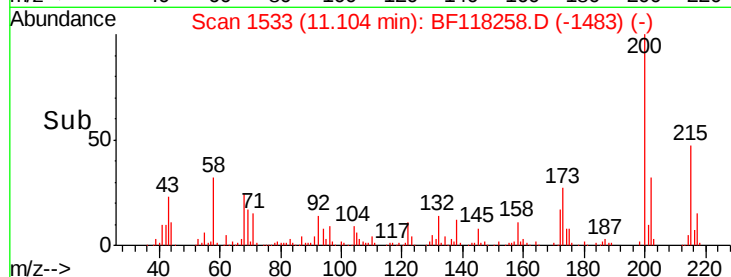
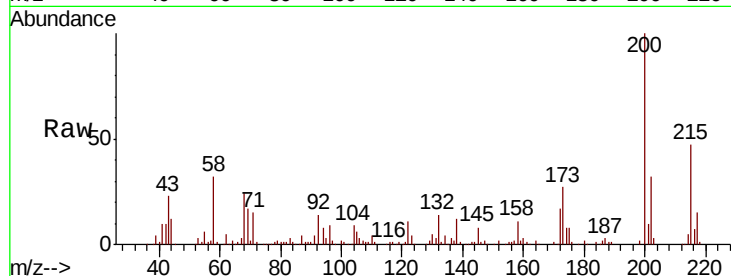
#69
Atrazine
Concen: 43.037 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampled :
EP-15MS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.4	8.1	48.1
215	47.1	29.0	69.0

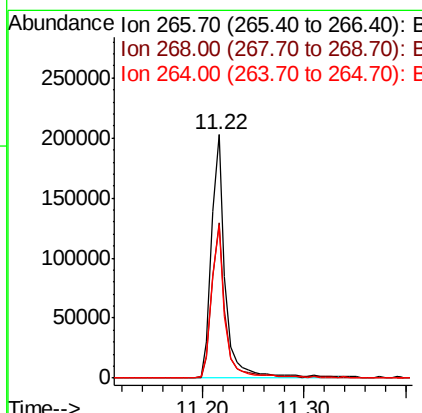
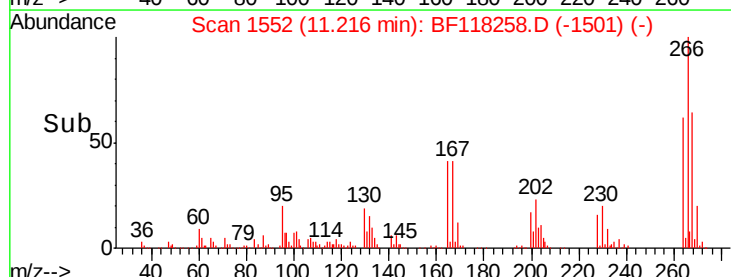
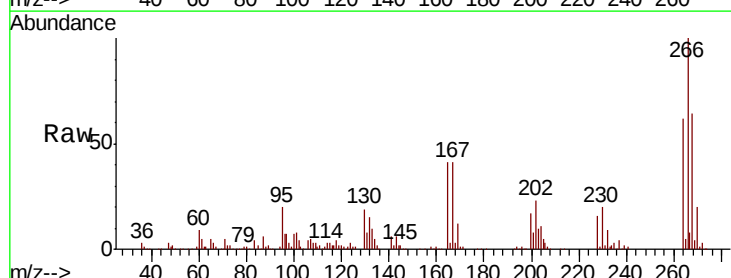
Manual Integrations
APPROVED

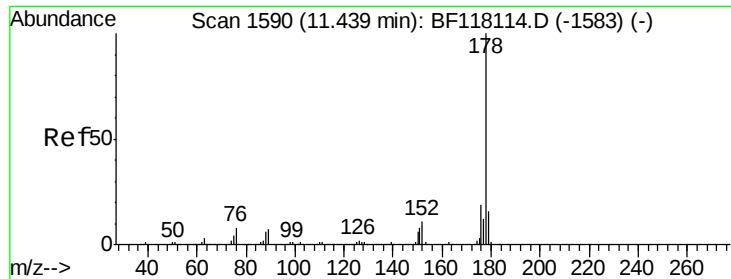
mohammad
12/19/2019 11:16:43 AM



#70
Pentachlorophenol
Concen: 71.879 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.6	50.7	76.1
264	62.5	48.7	73.1





#71

Phenanthrene

Concen: 38.945 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

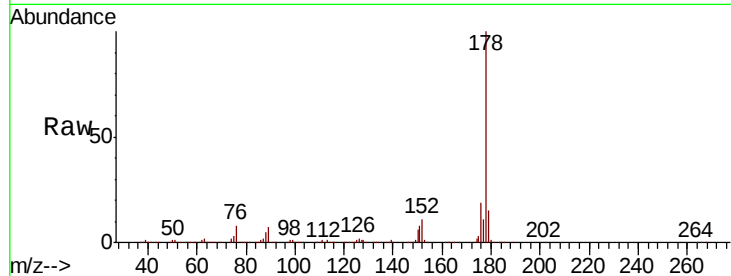
ClientSampleId :

EP-15MS

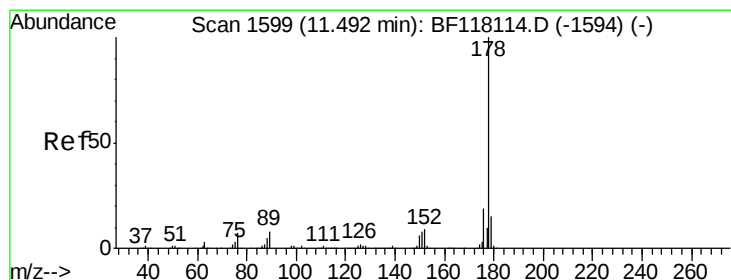
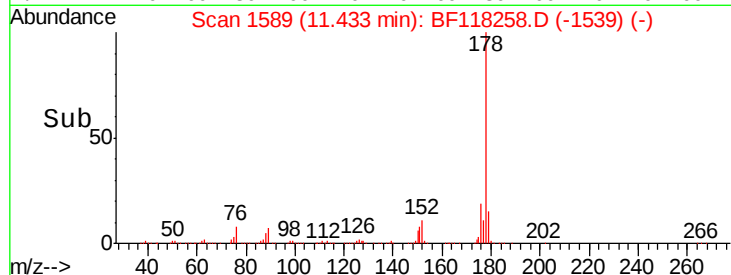
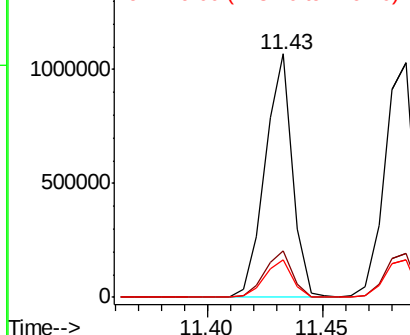
Tot Ion:	178	Resp:	881666
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	15.2	12.6	18.8

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.328 ng

RT: 11.49 min Scan# 1598

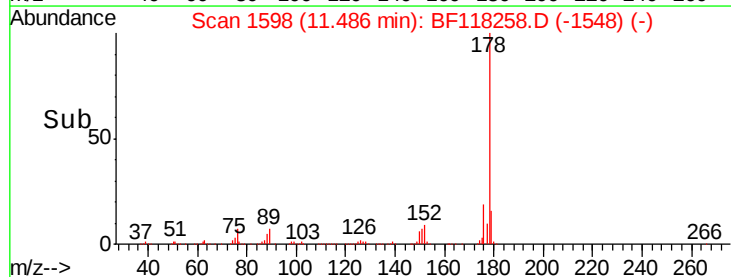
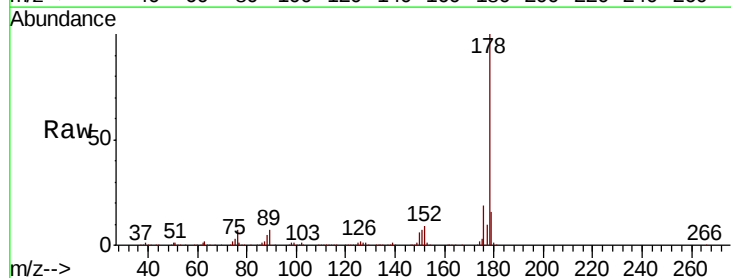
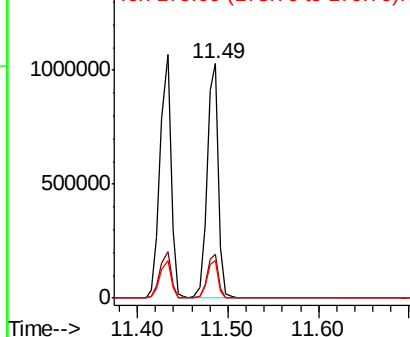
Delta R.T. -0.01 min

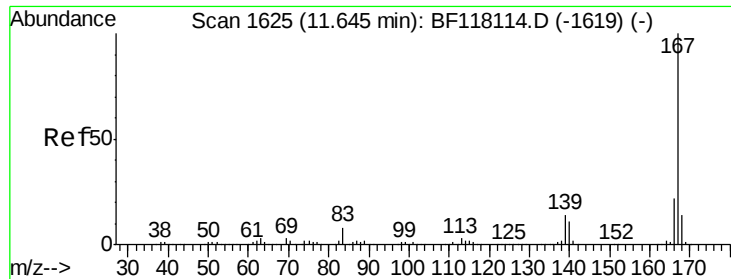
Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Tgt Ion:	178	Resp:	910773
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.0	22.6
179	15.8	12.2	18.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





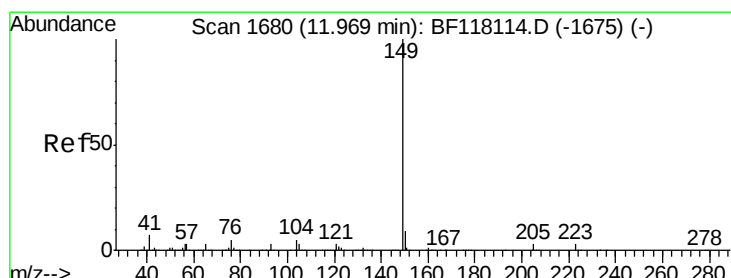
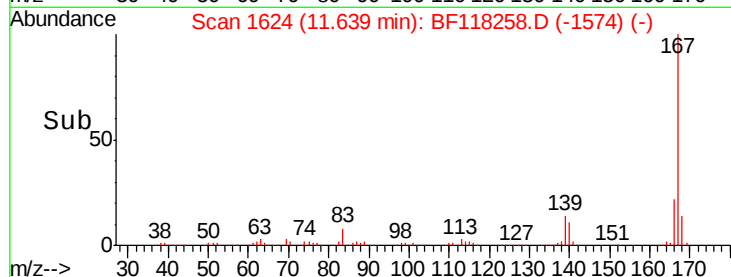
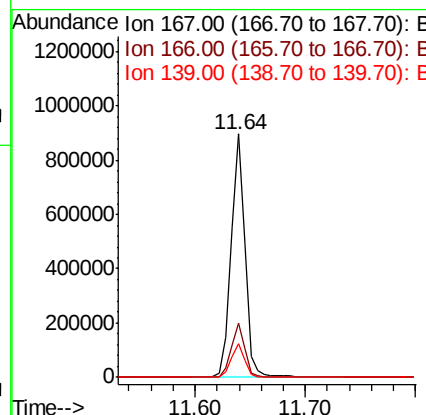
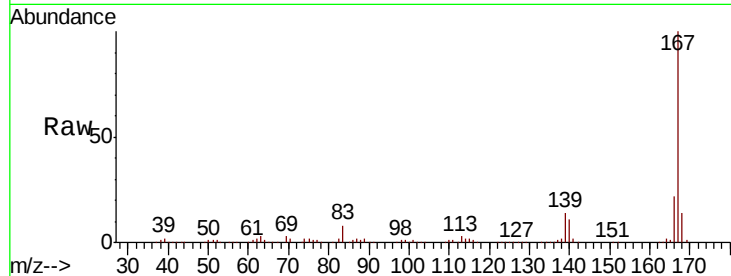
#73
 Carbazole
 Concen: 39.304 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.2
139	14.1	11.4	17.0

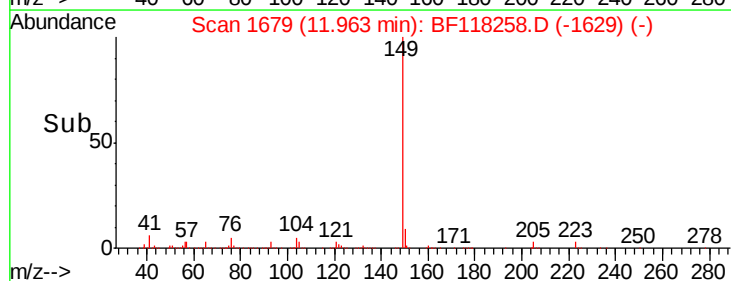
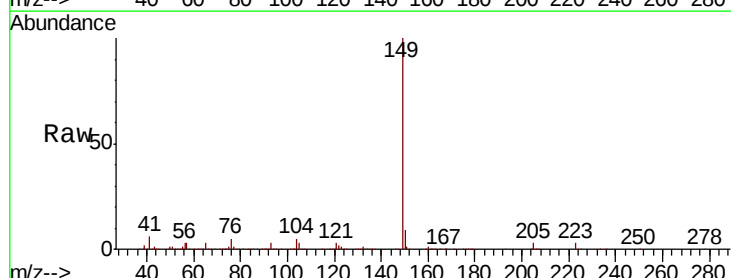
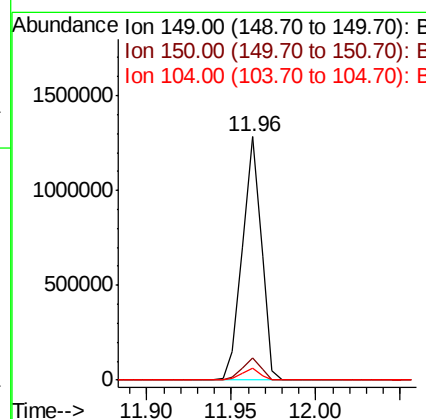
Manual Integrations
 APPROVED

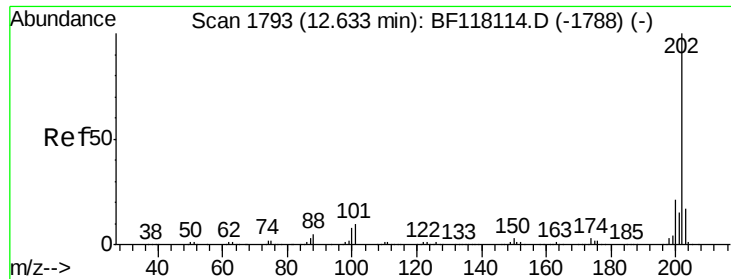
mohammad
 12/19/2019 11:16:43 AM



#74
 Di-n-butylphthalate
 Concen: 39.745 ng
 RT: 11.96 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	4.3	6.5





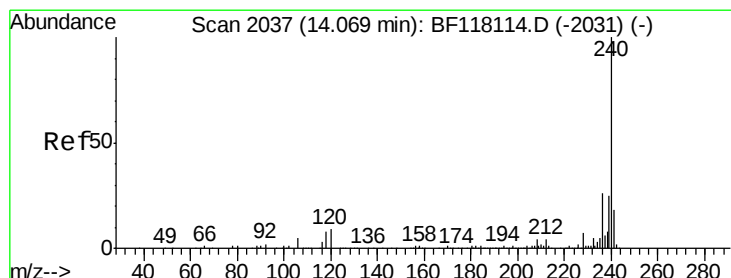
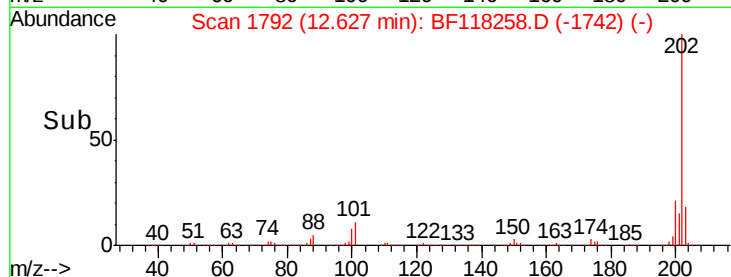
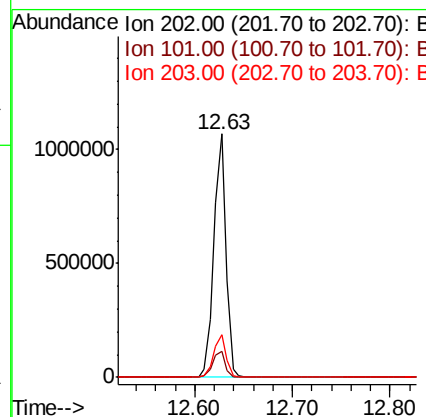
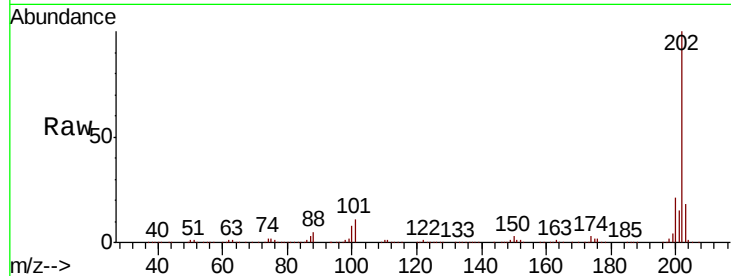
#75
Fluoranthene
Concen: 39.855 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampled :
EP-15MS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	30.4
203	17.7	0.0	37.2

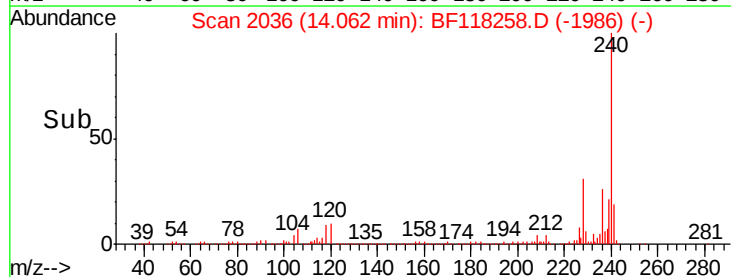
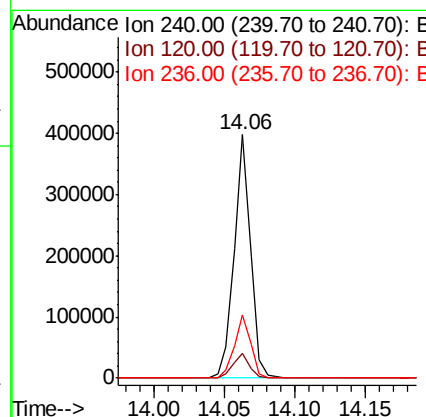
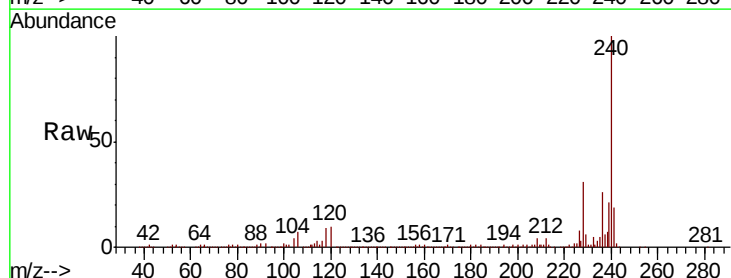
Manual Integrations
APPROVED

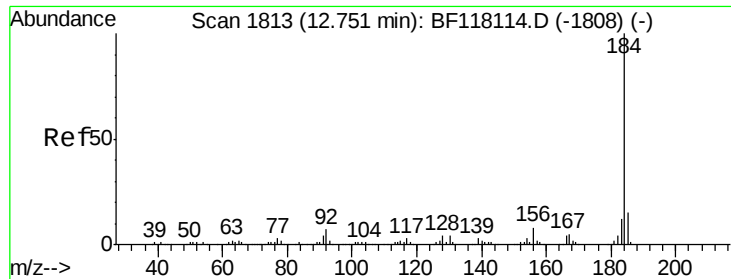
mohammad
12/19/2019 11:16:43 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.2	7.1	10.7
236	26.0	21.0	31.6





#77

Benzidine

Concen: 37.873 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

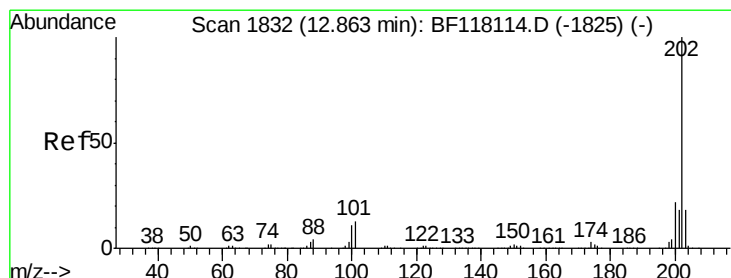
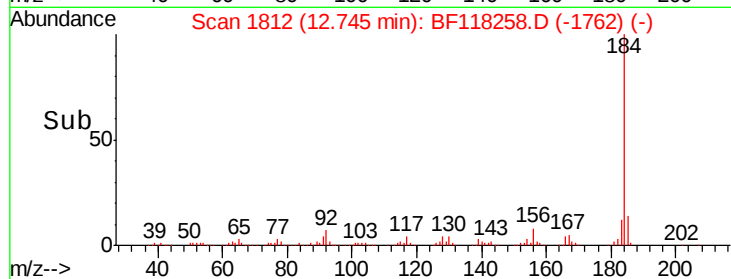
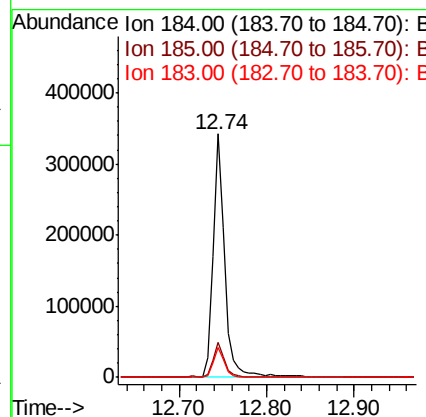
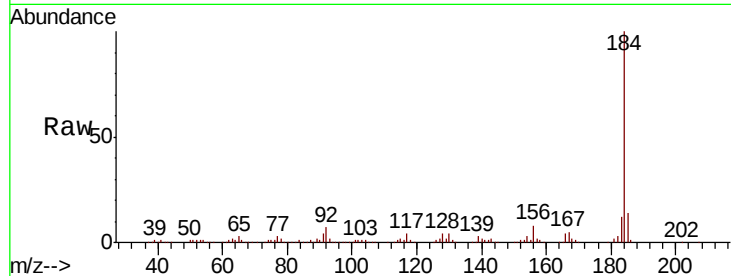
ClientSampleId :

EP-15MS

Tot Ion:	184	Resp:	319013
Ion Ratio	Lower	Upper	
184	100		
185	14.1	12.3	18.5
183	12.1	9.9	14.9

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



#78

Pyrene

Concen: 36.904 ng

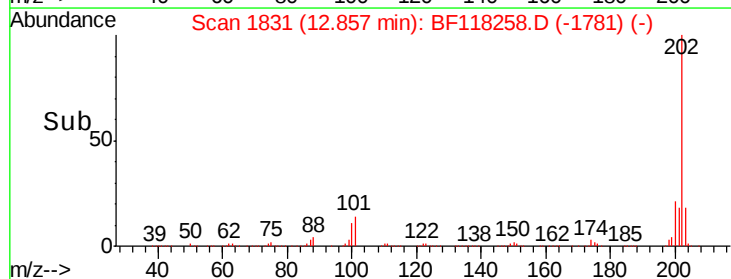
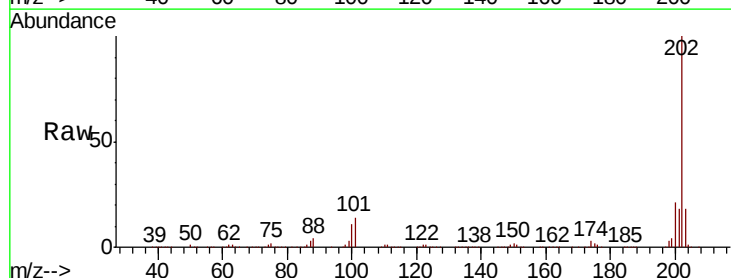
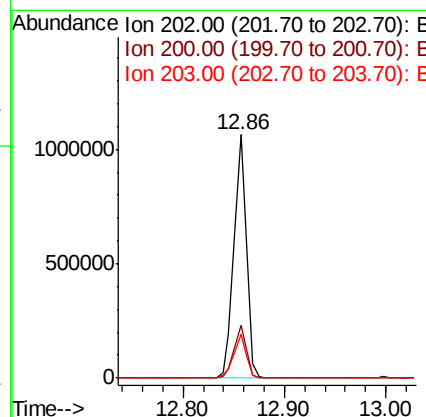
RT: 12.86 min Scan# 1831

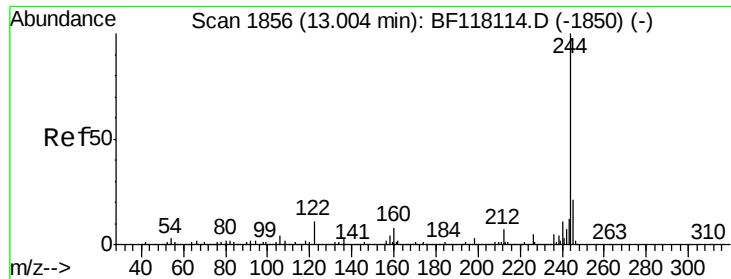
Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Tgt Ion:	202	Resp:	930544
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.5	26.3
203	18.0	14.6	21.8





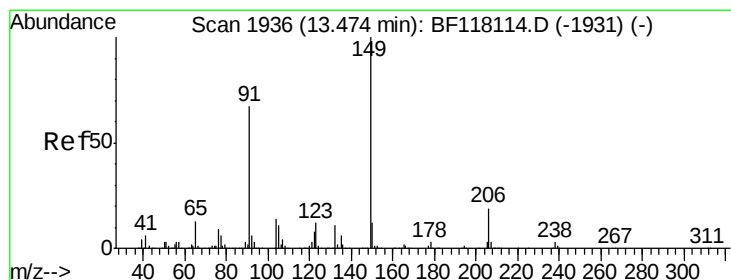
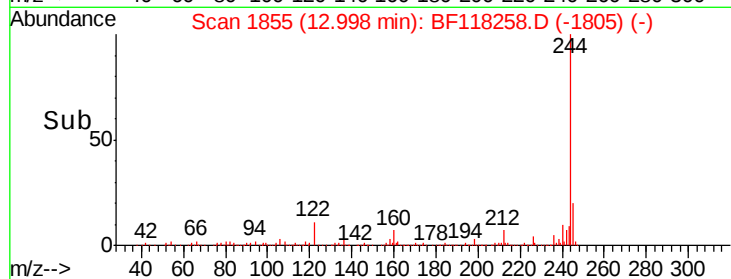
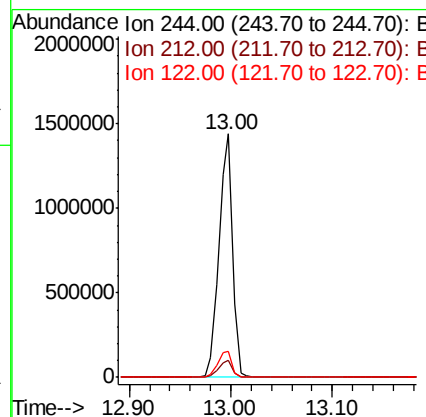
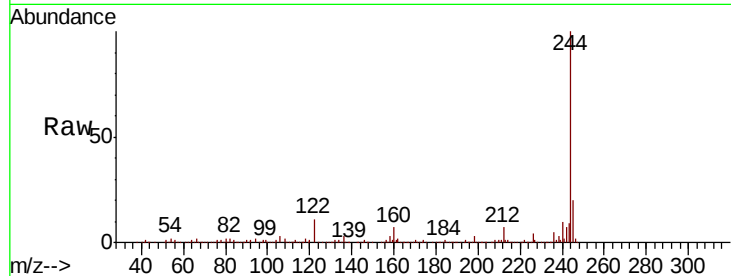
#79
 Terphenyl-d14
 Concen: 72.021 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	10.5	9.0	13.6

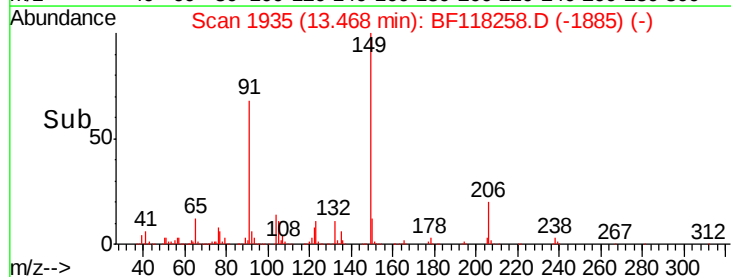
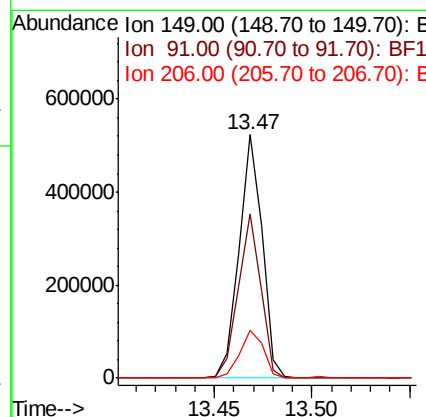
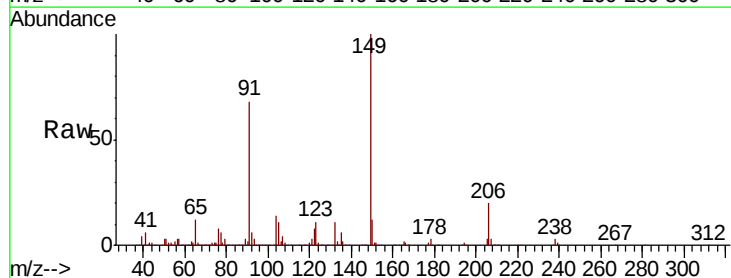
Manual Integrations
 APPROVED

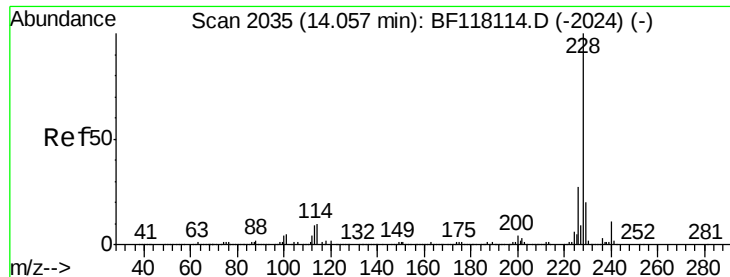
mohammad
 12/19/2019 11:16:43 AM



#80
 Butylbenzylphthalate
 Concen: 37.721 ng
 RT: 13.47 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.7	53.9	80.9
206	19.6	15.2	22.8





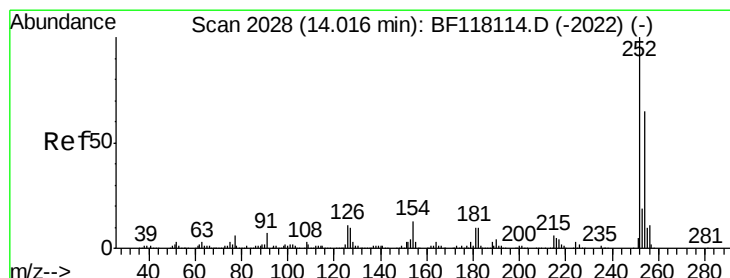
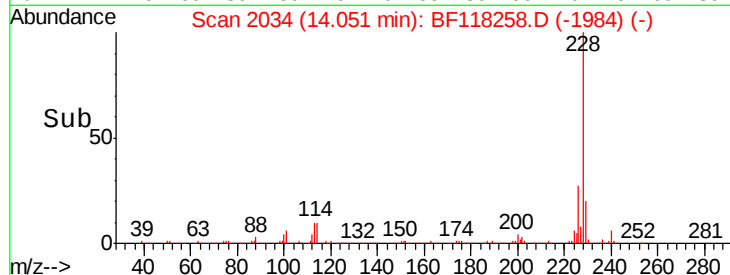
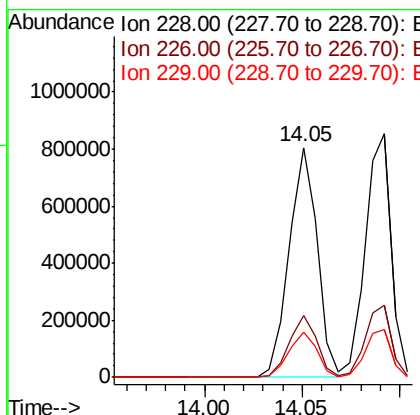
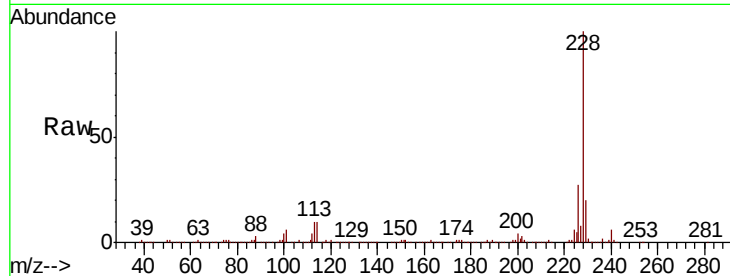
#81
Benzo(a)anthracene
Concen: 36.345 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampled :
EP-15MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.8	15.8	23.8

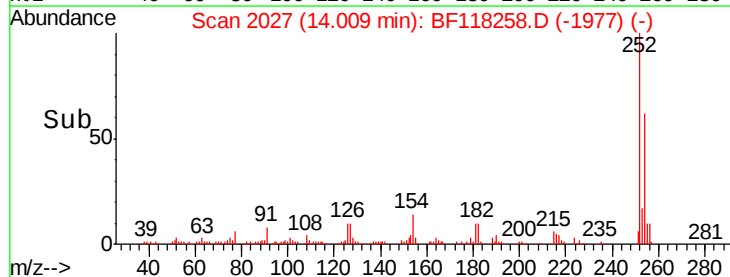
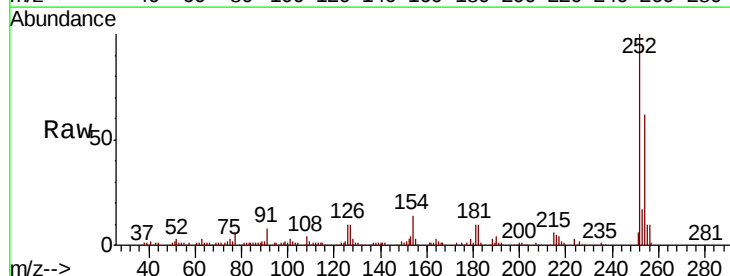
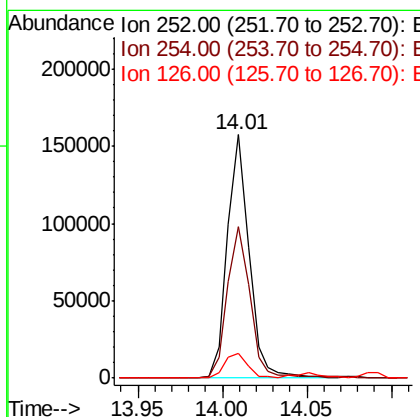
Manual Integrations
APPROVED

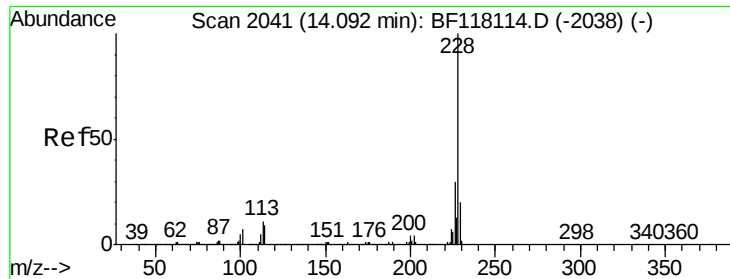
mohammad
12/19/2019 11:16:43 AM



#82
3,3'-Dichlorobenzidine
Concen: 19.554 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.1	52.2	78.4
126	10.2	8.6	13.0





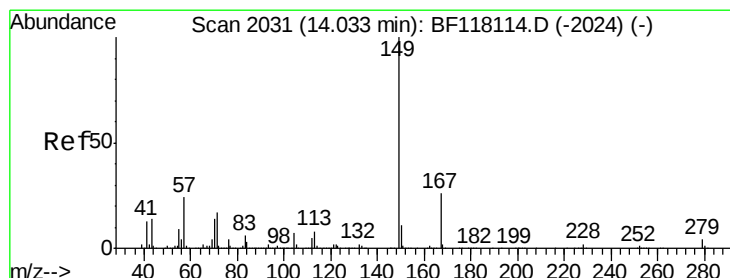
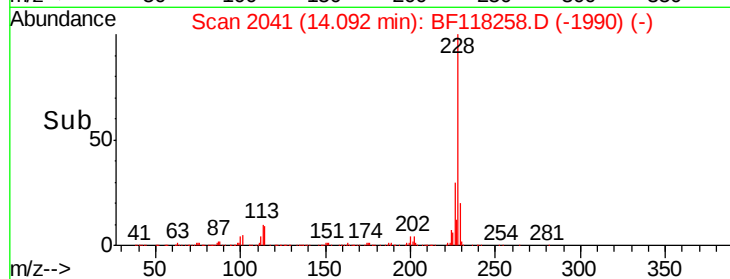
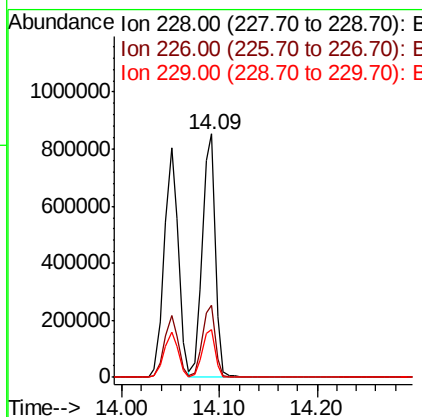
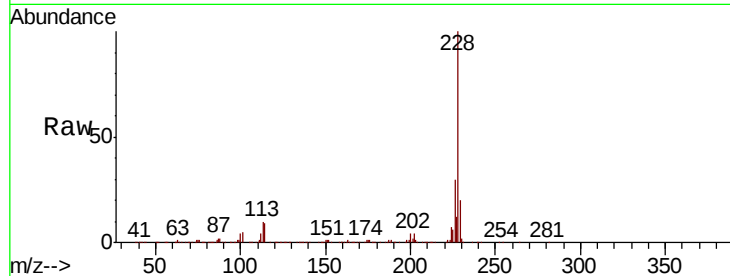
#83
 Chrysene
 Concen: 37.184 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.00 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.9	15.7	23.5

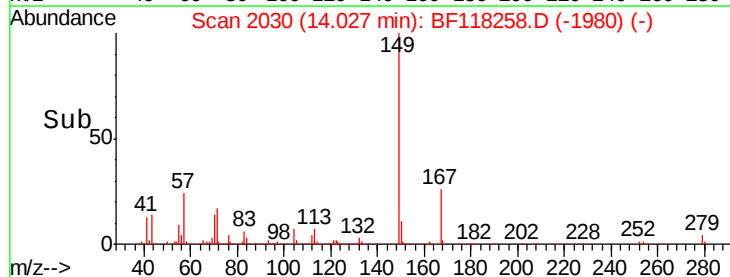
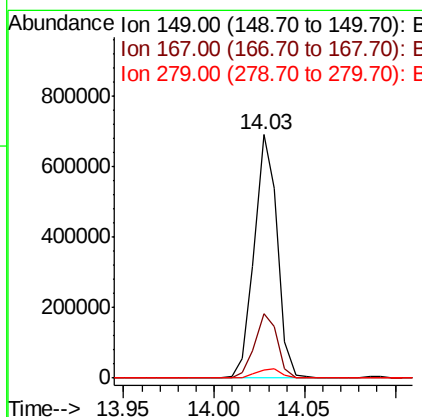
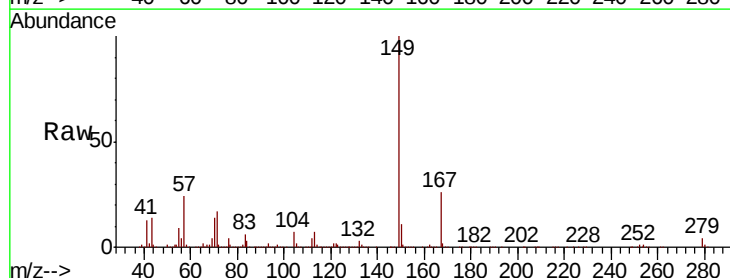
Manual Integrations
 APPROVED

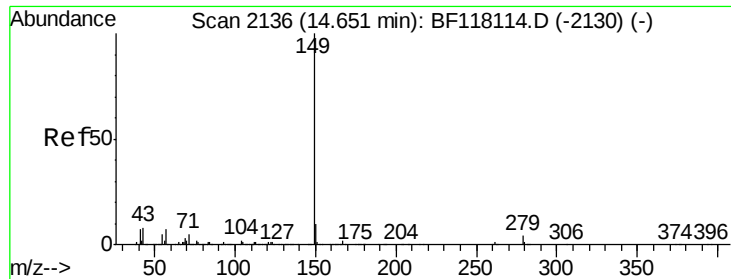
mohammad
 12/19/2019 11:16:43 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 40.371 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF118258.D
 Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.8	31.2
279	3.5	2.9	4.3





#85

Di-n-octyl phthalate

Concen: 42.086 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

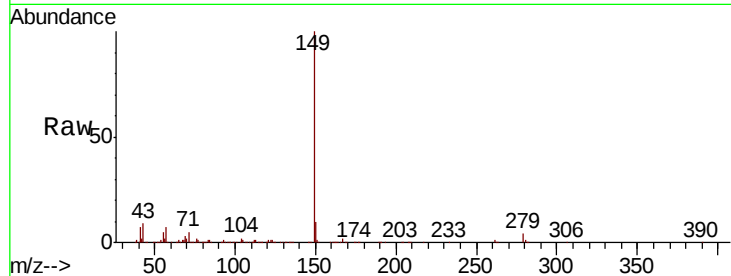
ClientSampleId :

EP-15MS

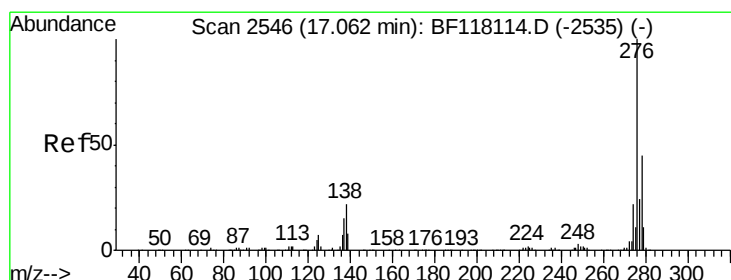
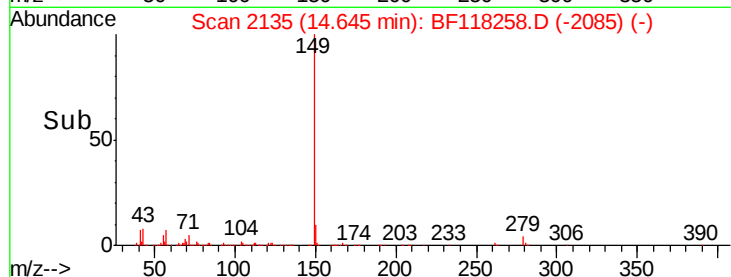
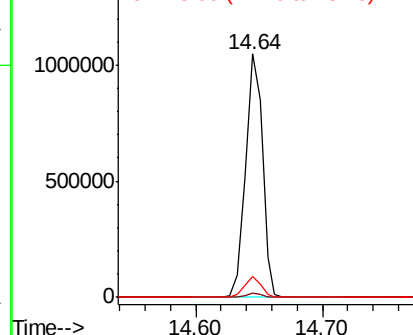
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.9	6.5	9.7

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.858 ng

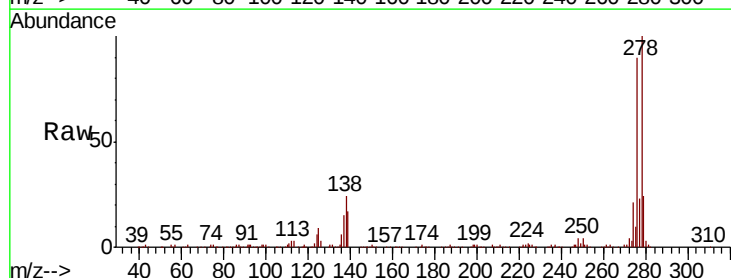
RT: 17.08 min Scan# 2549

Delta R.T. 0.02 min

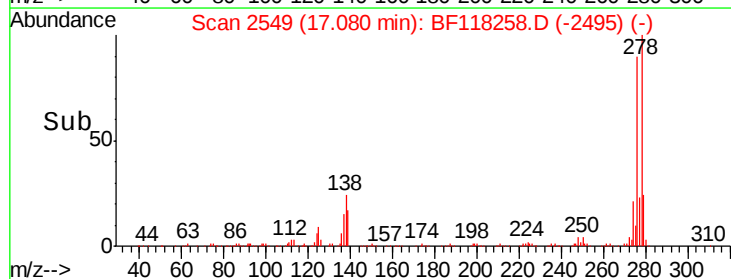
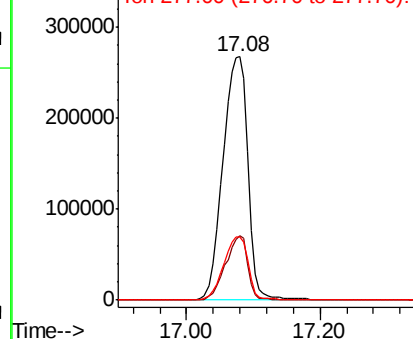
Lab File: BF118258.D

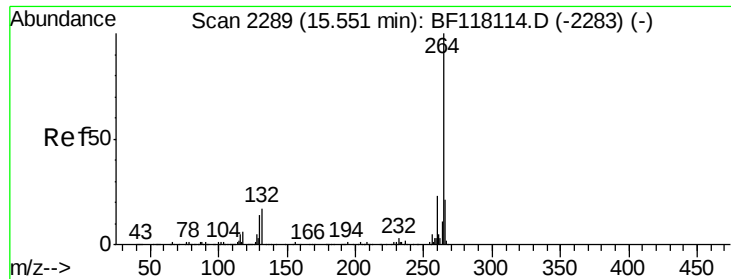
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.9	28.3
277	25.7	20.4	30.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





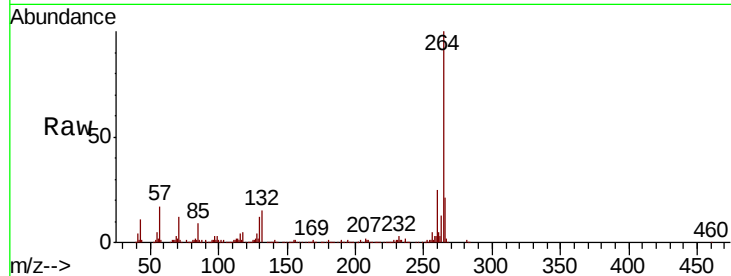
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampled :
EP-15MS

Tot Ion	Ratio	Resp	Lower	Upper
264	100	285660		
260	24.9	18.6	28.0	
265	21.5	16.8	25.2	

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM

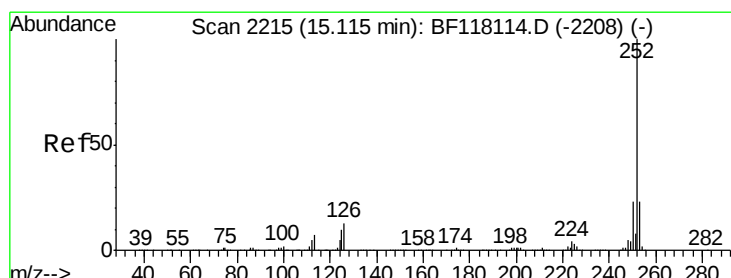
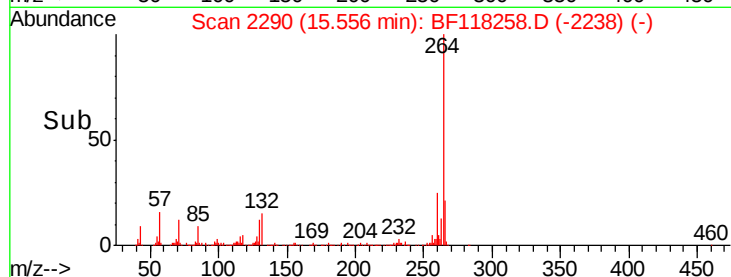
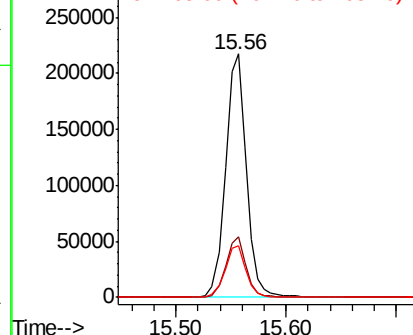


Abundance

Ion 264.00 (263.70 to 264.70): E

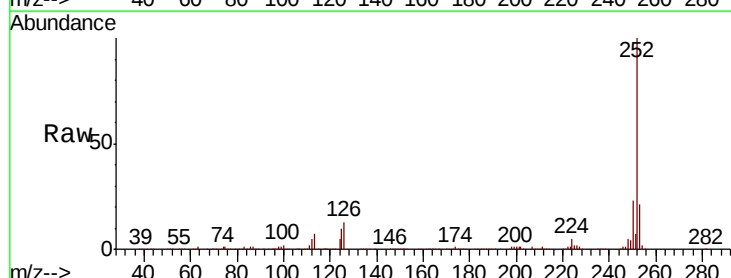
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 38.882 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	734579		
253	21.0	18.2	27.4	
125	9.8	8.3	12.5	

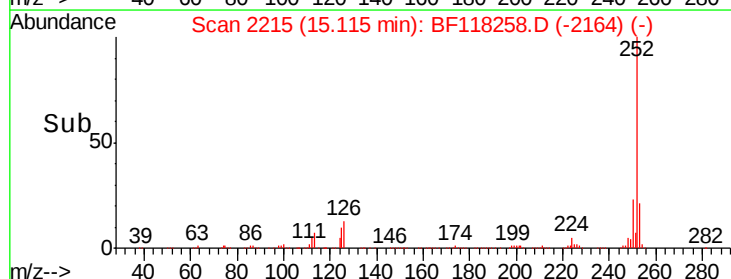
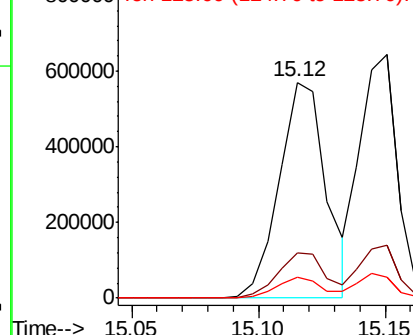


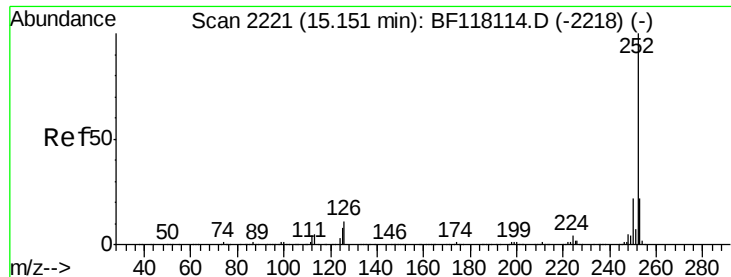
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





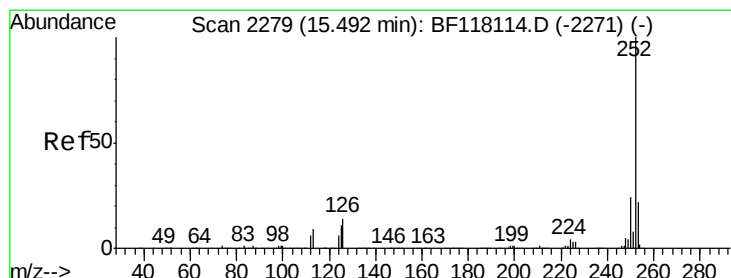
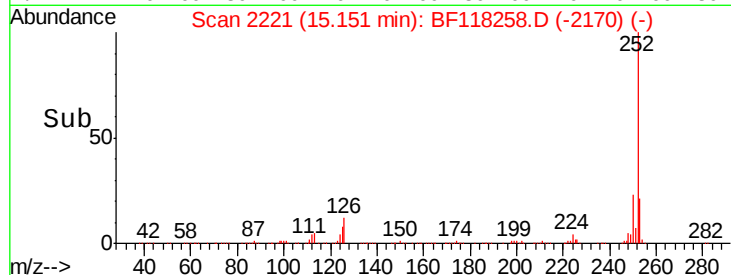
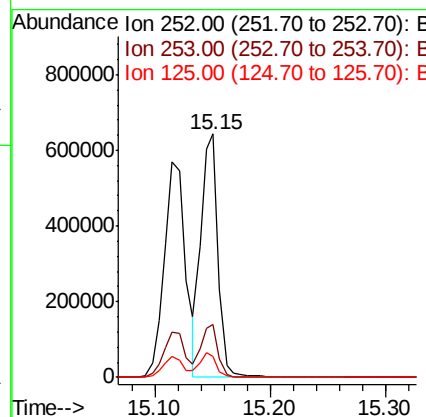
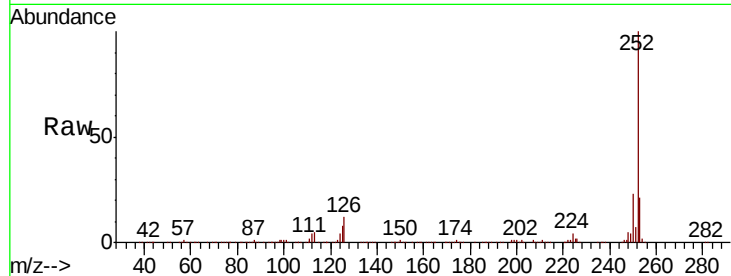
#89
Benzo(k)fluoranthene
Concen: 36.852 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Instrument :
BNA_F
ClientSampleId :
EP-15MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	8.5	6.7	10.1

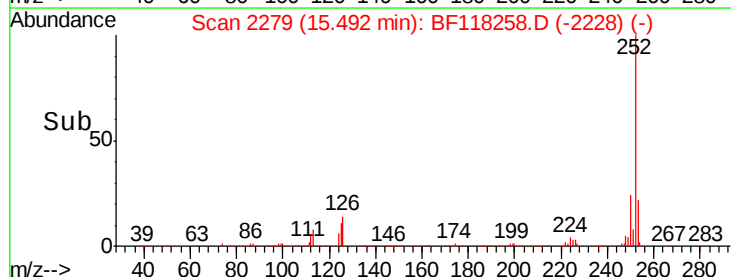
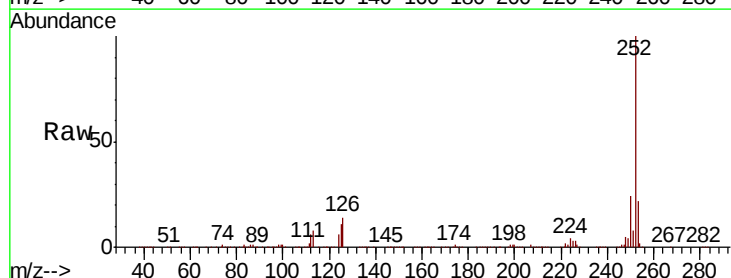
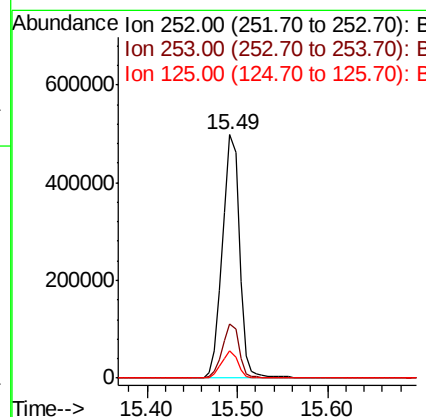
Manual Integrations
APPROVED

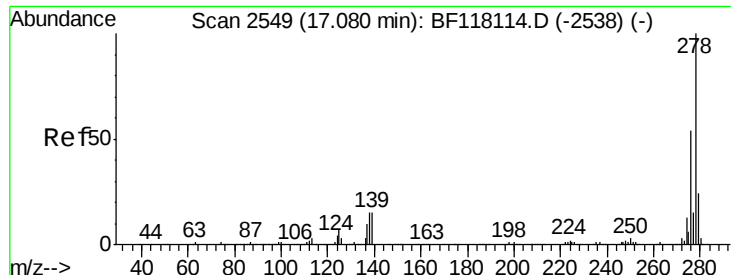
mohammad
12/19/2019 11:16:43 AM



#90
Benzo(a)pyrene
Concen: 39.009 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF118258.D
Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.3	9.1	13.7





#91

Dibenzo(a,h)anthracene

Concen: 41.820 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Instrument :

BNA_F

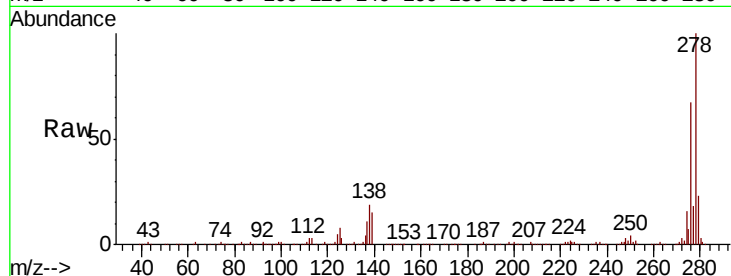
ClientSampleId :

EP-15MS

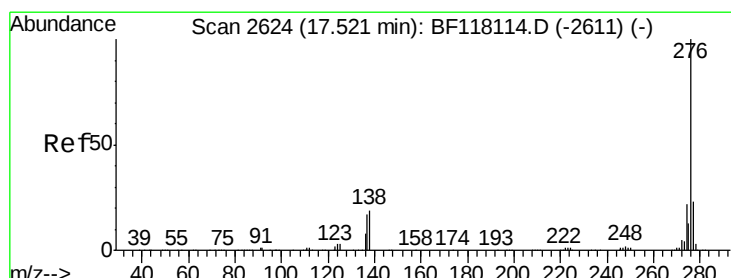
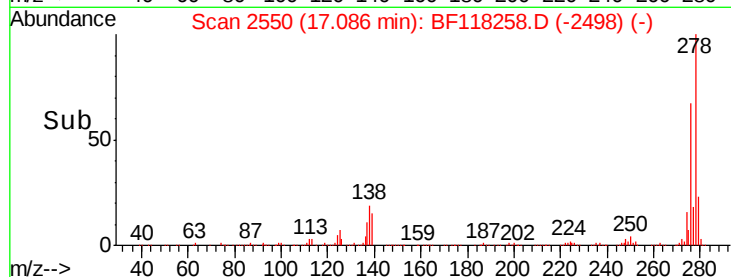
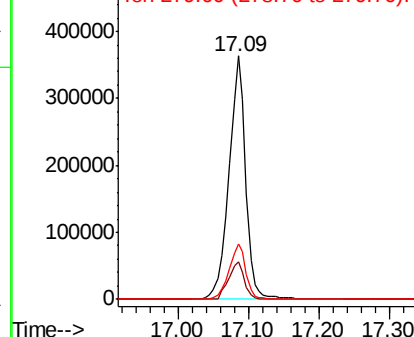
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.7	17.5
279	22.8	19.0	28.4

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:43 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 42.495 ng

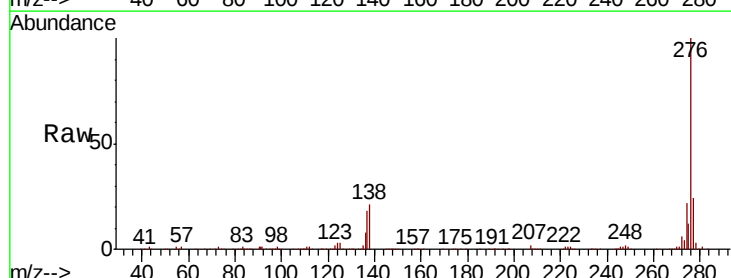
RT: 17.53 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BF118258.D

Acq: 18 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.2	27.4
138	20.7	15.5	23.3



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

