

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
 Data File : BF118686.D
 Acq On : 24 Jan 2020 15:28
 Operator : CG/JU
 Sample : L1241-06MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:13 AM

Quant Time: Jan 27 01:29:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	266135	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	994783	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	549465	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	1007864	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	600016	20.00	ng	-0.03
87) Perylene-d12	15.47	264	627840	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1863837	130.07	ng	0.00
7) Phenol-d6	6.50	99	2253997	121.02	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1448738	81.46	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	775012	121.95	ng	-0.02
45) 2-Fluorobiphenyl	9.22	172	2830612	84.67	ng	-0.02
79) Terphenyl-d14	12.97	244	3344931	121.59	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	311186	44.836	ng	96
3) Pyridine	3.47	79	803087	41.054	ng	95
4) n-Nitrosodimethylamine	3.37	42	362697	43.247	ng	# 78
6) Aniline	6.53	93	726659	29.630	ng	95
8) 2-Chlorophenol	6.65	128	842771	52.399	ng	96
9) Benzaldehyde	6.41	77	418073	36.910	ng	92
10) Phenol	6.51	94	1033285	48.682	ng	98
11) bis(2-Chloroethyl)ether	6.60	93	776171	49.288	ng	95
12) 1,3-Dichlorobenzene	6.80	146	909281	48.301	ng	98
13) 1,4-Dichlorobenzene	6.88	146	916808	48.515	ng	99
14) 1,2-Dichlorobenzene	7.04	146	864487	48.664	ng	98
15) Benzyl Alcohol	7.00	79	712155	48.217	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.14	45	921567	42.014	ng	99
17) 2-Methylphenol	7.12	107	674542	50.349	ng	97
18) Hexachloroethane	7.38	117	318801	46.524	ng	99
19) n-Nitroso-di-n-propylamine	7.27	70	548337	43.602	ng	99
20) 3+4-Methylphenols	7.27	107	794158	48.551	ng	94
22) Acetophenone	7.27	105	1034463	43.897	ng	# 93
24) Nitrobenzene	7.45	77	842669	46.274	ng	93
25) Isophorone	7.69	82	1517842	46.791	ng	98
26) 2-Nitrophenol	7.76	139	452648	58.288	ng	97
27) 2,4-Dimethylphenol	7.80	122	718611	53.588	ng	98
28) bis(2-Chloroethoxy)methane	7.89	93	947389	45.326	ng	99
29) 2,4-Dichlorophenol	8.00	162	720006	48.570	ng	96
30) 1,2,4-Trichlorobenzene	8.09	180	812080	47.246	ng	99
31) Naphthalene	8.17	128	2268206	50.474	ng	99
32) Benzoic acid	7.92	122	512516	50.925	ng	95
33) 4-Chloroaniline	8.21	127	305814	14.724	ng	97
34) Hexachlorobutadiene	8.29	225	472952	45.184	ng	100
35) Caprolactam	8.58	113	242979m	50.086	ng	
36) 4-Chloro-3-methylphenol	8.69	107	720204	49.198	ng	96
37) 2-Methylnaphthalene	8.86	142	1591871	50.186	ng	99
38) 1-Methylnaphthalene	8.96	142	1495268	49.619	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	770446	44.813	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
 Data File : BF118686.D
 Acq On : 24 Jan 2020 15:28
 Operator : CG/JU
 Sample : L1241-06MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

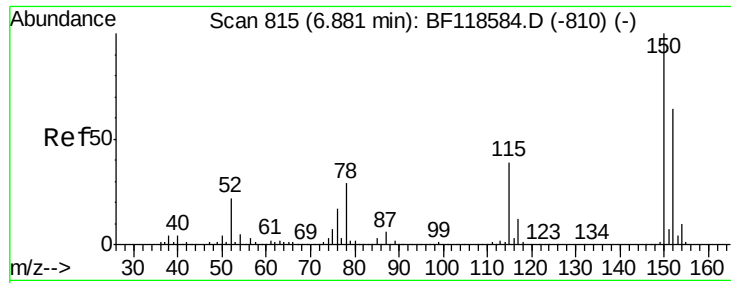
Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:13 AM

Quant Time: Jan 27 01:29:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	814410	93.890	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	559297	49.024	ng	99
44) 2,4,5-Trichlorophenol	9.17	196	586662	50.351	ng	98
46) 1,1'-Biphenyl	9.32	154	1913549	50.531	ng	97
47) 2-Chloronaphthalene	9.35	162	1545586	48.423	ng	98
48) 2-Nitroaniline	9.44	65	433349	44.166	ng	86
49) Acenaphthylene	9.76	152	2371121	52.805	ng	97
50) Dimethylphthalate	9.62	163	2125683	59.379	ng	99
51) 2,6-Dinitrotoluene	9.68	165	422095	52.655	ng #	81
52) Acenaphthene	9.93	154	1584589	52.774	ng	99
53) 3-Nitroaniline	9.85	138	236456	25.832	ng	92
54) 2,4-Dinitrophenol	9.95	184	382675	119.575	ng #	37
55) Dibenzofuran	10.11	168	2138447	51.392	ng	95
56) 4-Nitrophenol	10.01	139	711822	103.013	ng	89
57) 2,4-Dinitrotoluene	10.09	165	555490	54.968	ng	87
58) Fluorene	10.45	166	1591198	48.711	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.22	232	515210	50.273	ng	97
60) Diethylphthalate	10.32	149	1709805	49.261	ng	99
61) 4-Chlorophenyl-phenylether	10.44	204	846207	47.630	ng	97
62) 4-Nitroaniline	10.46	138	380049	40.477	ng	93
63) Azobenzene	10.60	77	1569355	46.687	ng	96
65) 4,6-Dinitro-2-methylphenol	10.49	198	278406	62.820	ng	84
66) n-Nitrosodiphenylamine	10.56	169	1502689	49.439	ng	98
67) 4-Bromophenyl-phenylether	10.93	248	580487	46.619	ng #	94
68) Hexachlorobenzene	11.00	284	643788	45.603	ng	97
69) Atrazine	11.08	200	495926	47.074	ng	99
70) Pentachlorophenol	11.19	266	711403	90.638	ng	98
71) Phenanthrene	11.41	178	2412145	49.608	ng	95
72) Anthracene	11.46	178	2480638	51.559	ng	96
73) Carbazole	11.61	167	2152555	48.777	ng	97
74) Di-n-butylphthalate	11.94	149	2496042	50.908	ng	98
75) Fluoranthene	12.59	202	2617212	51.034	ng	98
77) Benzidine	12.71	184	1167901	72.848	ng	99
78) Pyrene	12.82	202	2600035	63.827	ng	95
80) Butylbenzylphthalate	13.44	149	1063208	63.774	ng	95
81) Benzo(a)anthracene	14.01	228	1845962	51.143	ng	96
82) 3,3'-Dichlorobenzidine	13.97	252	442588	34.412	ng	97
83) Chrysene	14.04	228	1796961	51.946	ng	96
84) Bis(2-ethylhexyl)phthalate	14.00	149	1260715	61.897	ng	97
85) Di-n-octyl phthalate	14.61	149	1850595	61.383	ng	96
86) Indeno(1,2,3-cd)pyrene	16.95	276	2252716	74.947	ng	98
88) Benzo(b)fluoranthene	15.05	252	1829989	46.371	ng	98
89) Benzo(k)fluoranthene	15.09	252	1610862	44.058	ng	97
90) Benzo(a)pyrene	15.42	252	1622342	47.655	ng	97
91) Dibenzo(a,h)anthracene	16.96	278	1845296	61.279	ng	98
92) Benzo(g,h,i)perylene	17.39	276	1957191	66.939	ng	97

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



#1

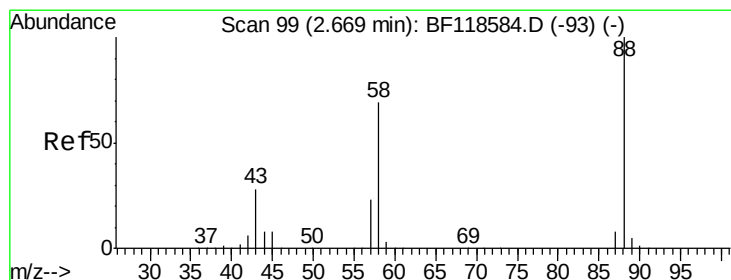
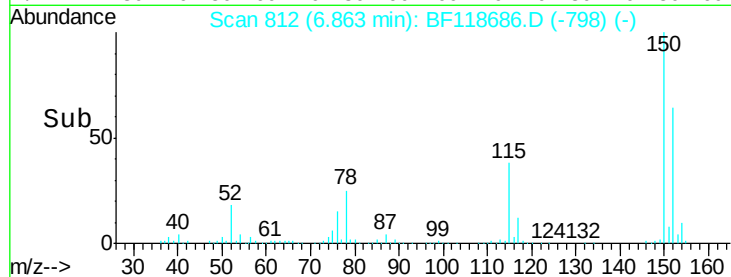
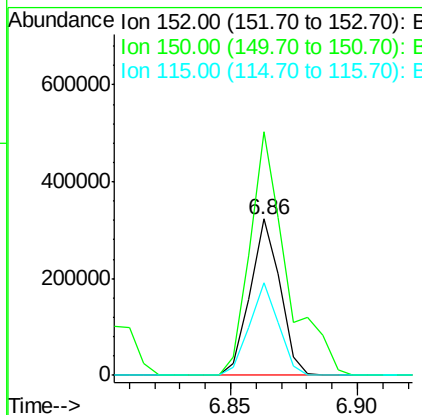
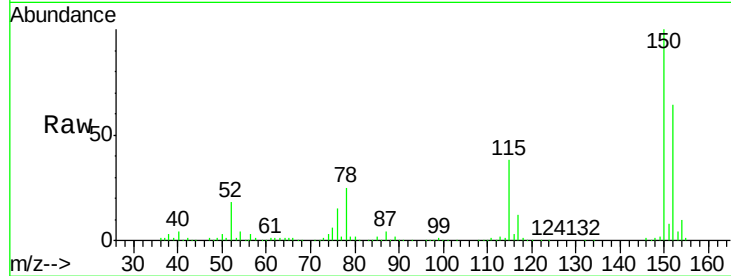
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.6	188.4
115	59.3	48.4	72.6

Manual Integrations
APPROVED

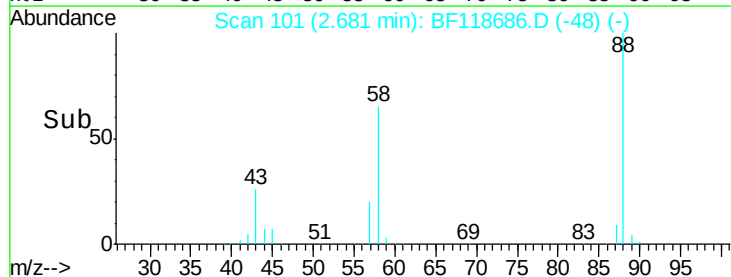
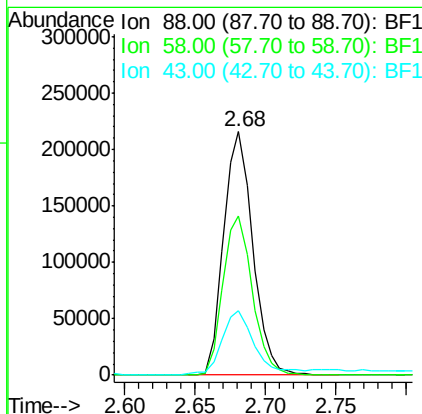
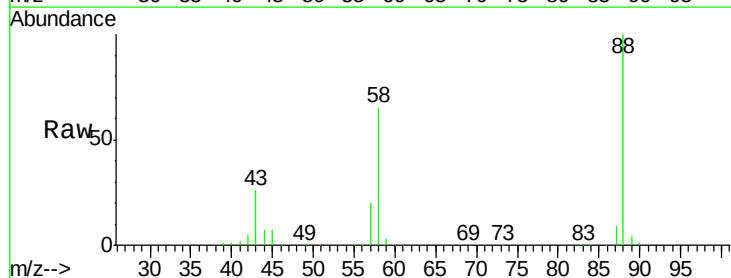
mohammad
1/28/2020 8:12:13 AM

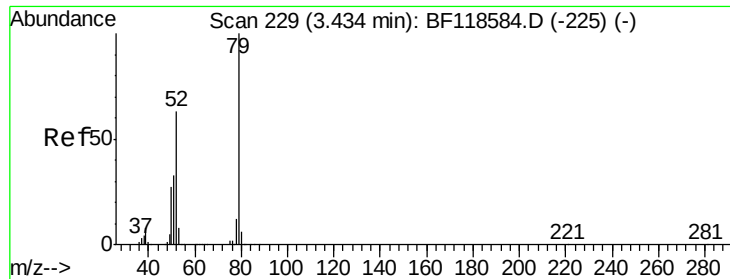


#2

1,4-Dioxane
Concen: 44.836 ng
RT: 2.68 min Scan# 101
Delta R.T. 0.01 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.6	56.1	84.1
43	29.0	23.0	34.6





#3

Pvridine

Concen: 41.054 ng

RT: 3.47 min Scan# 235

Delta R.T. 0.04 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

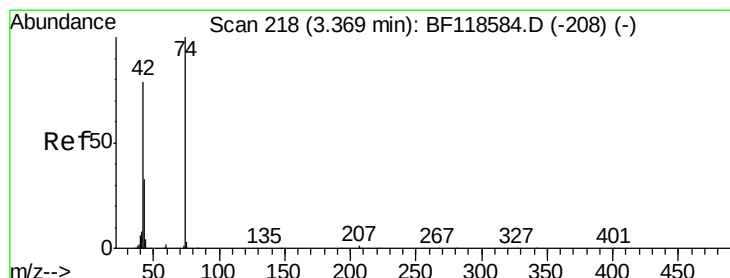
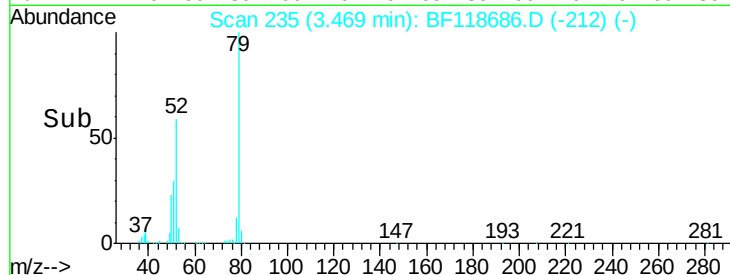
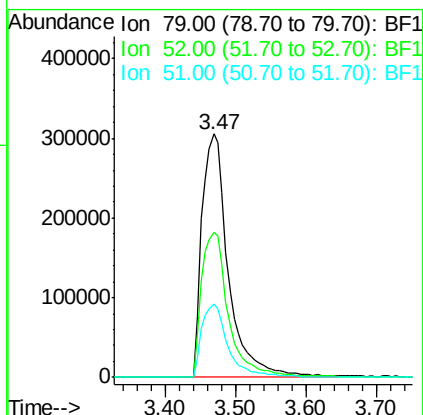
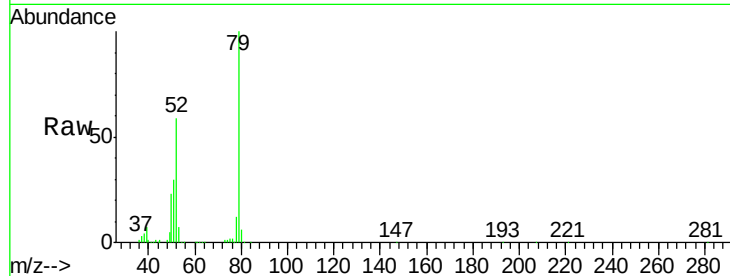
ClientSampleId :

EP-12MSD

Tot Ion:	79	Resp:	803087
Ion Ratio	Lower	Upper	
79	100		
52	59.4	50.7	76.1
51	30.1	26.6	40.0

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



#4

n-Nitrosodimethylamine

Concen: 43.247 ng

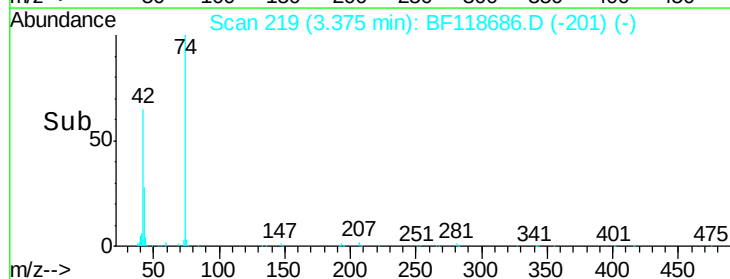
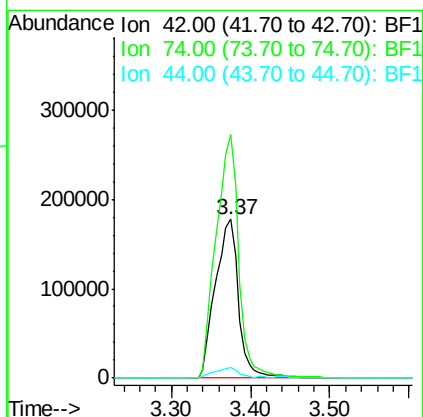
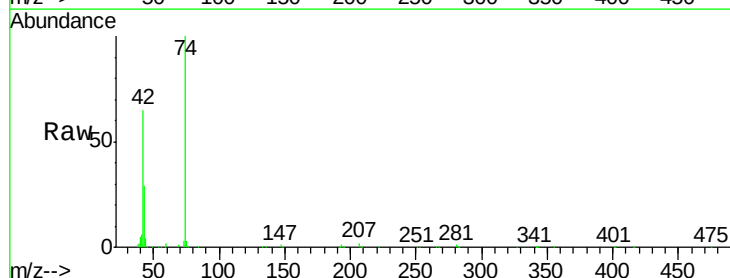
RT: 3.37 min Scan# 219

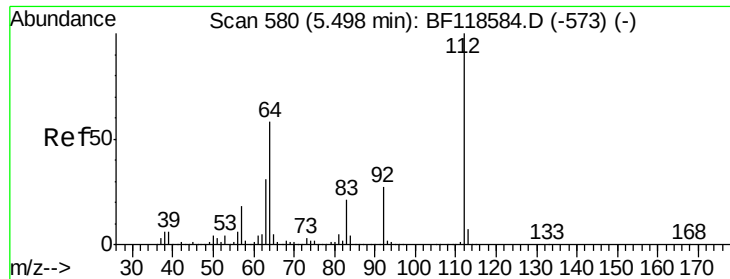
Delta R.T. 0.01 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tgt Ion:	42	Resp:	362697
Ion Ratio	Lower	Upper	
42	100		
74	153.4	101.6	152.4#
44	6.8	4.9	7.3





#5

2-Fluorophenol

Concen: 130.070 ng

RT: 5.49 min Scan# 579

Delta R.T. -0.01 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

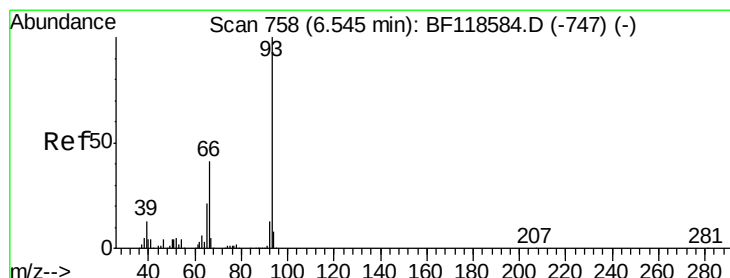
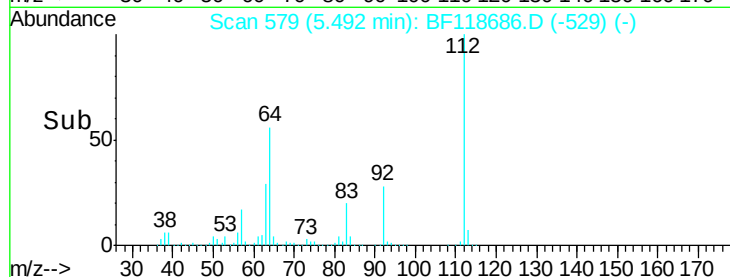
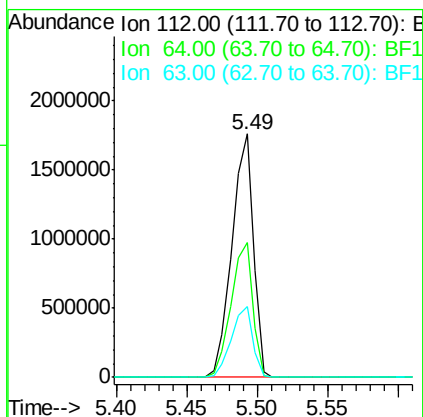
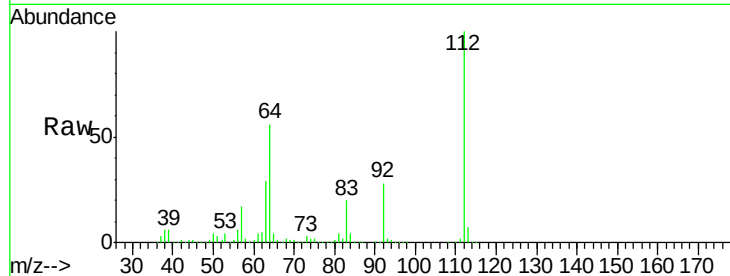
ClientSampleId :

EP-12MSD

Tot Ion:	112	Resp:	1863837
Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.6	70.0
63	29.2	25.1	37.7

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



#6

Aniline

Concen: 29.630 ng

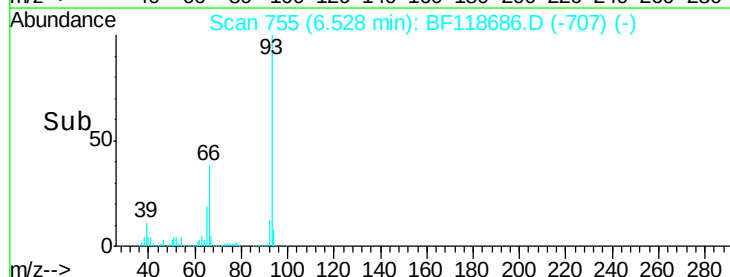
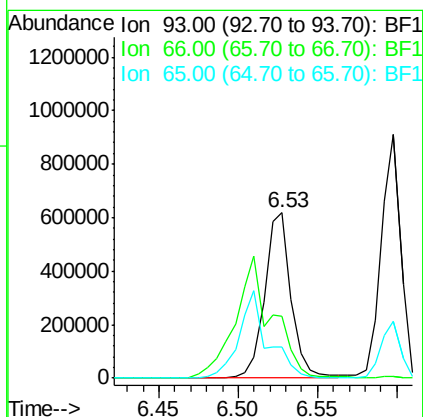
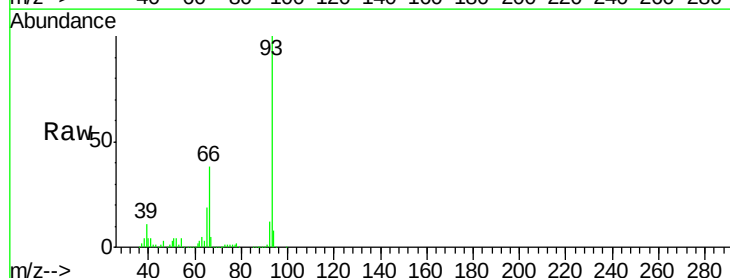
RT: 6.53 min Scan# 755

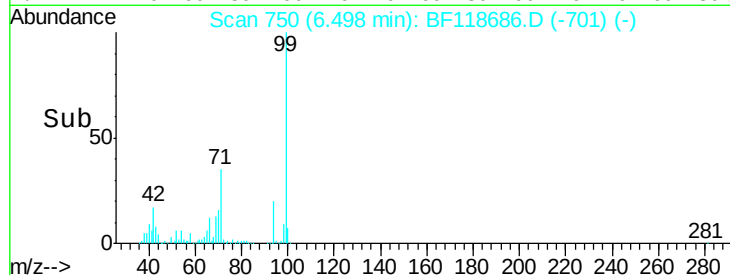
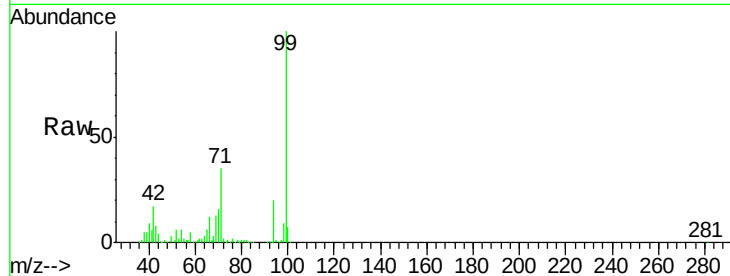
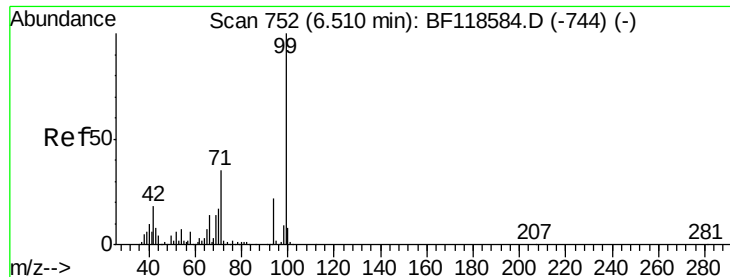
Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tgt Ion:	93	Resp:	726659
Ion	Ratio	Lower	Upper
93	100		
66	37.5	32.8	49.2
65	18.8	16.5	24.7





#7

Phenol-d6

Concen: 121.022 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tot Ion:	99	Resp:	2253997
Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.2	21.2
71	35.1	27.8	41.6

Instrument :

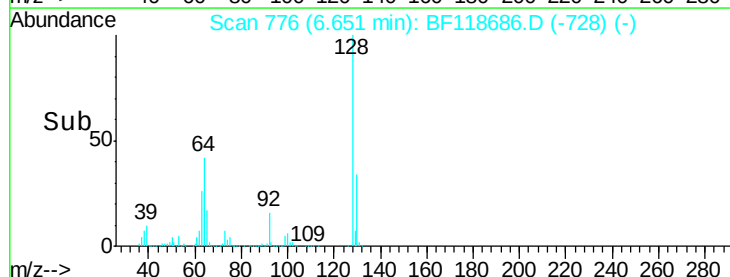
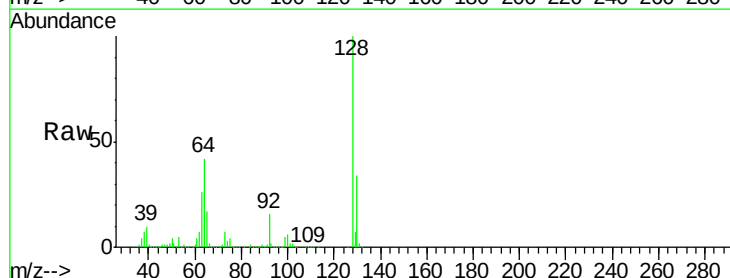
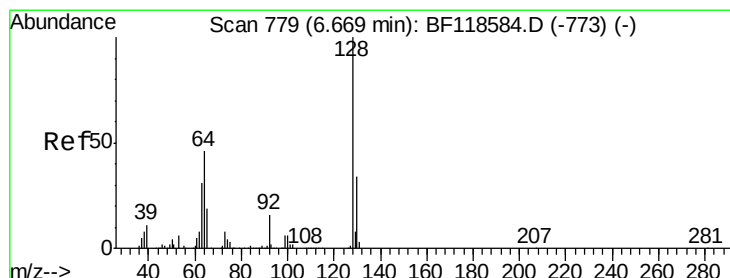
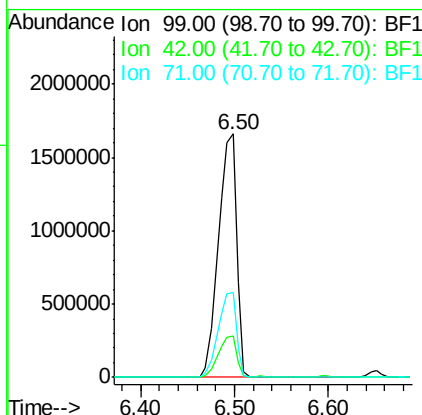
BNA_F

ClientSampleId :

EP-12MSD

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



#8

2-Chlorophenol

Concen: 52.399 ng

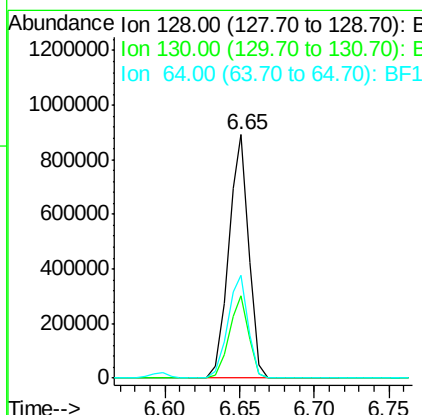
RT: 6.65 min Scan# 776

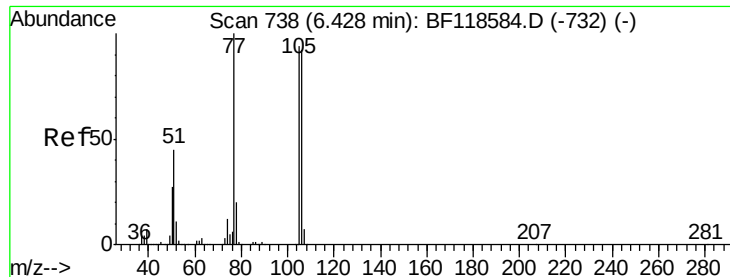
Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tgt Ion:	128	Resp:	842771
Ion	Ratio	Lower	Upper
128	100		
130	33.7	13.6	53.6
64	42.2	26.4	66.4





#9

Benzaldehyde

Concen: 36.910 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

ClientSampleId :

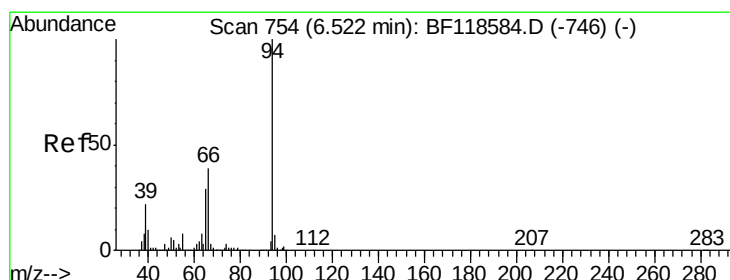
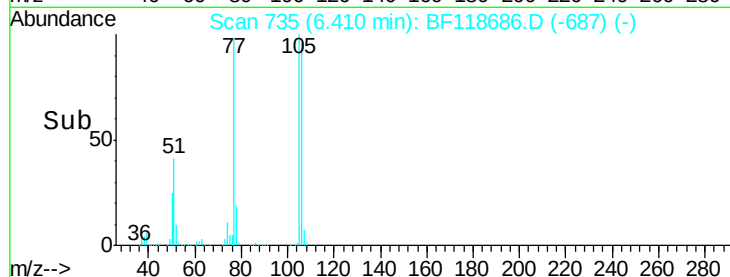
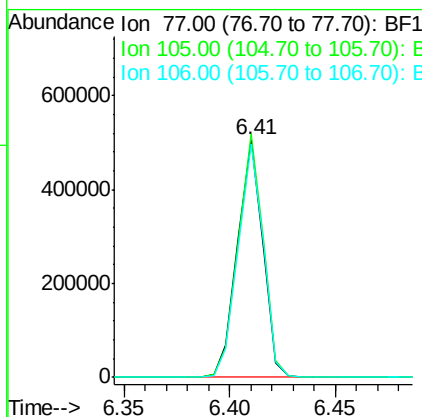
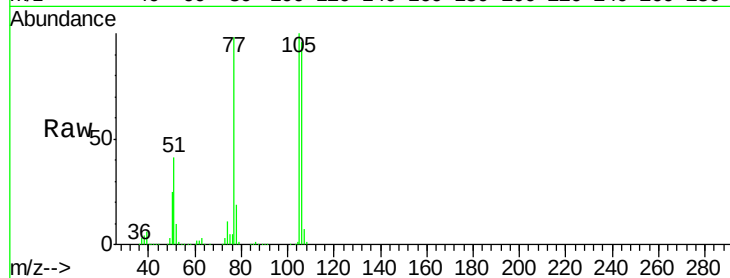
EP-12MSD

Tot Ion: 77 Resp: 418073

Ion	Ratio	Lower	Upper
77	100		
105	102.5	73.5	113.5
106	98.1	71.9	111.9

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



#10

Phenol

Concen: 48.682 ng

RT: 6.51 min Scan# 752

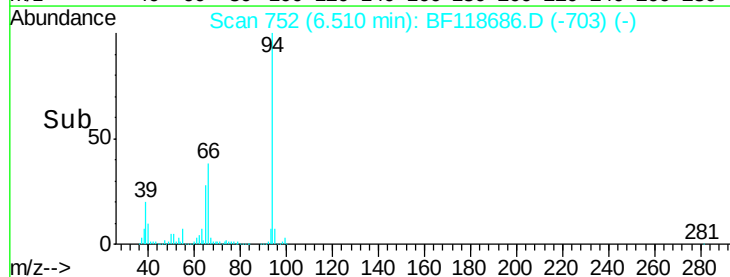
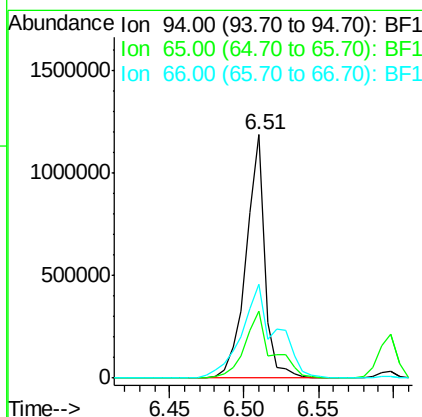
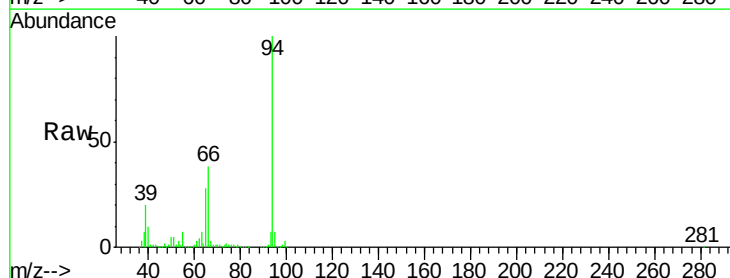
Delta R.T. -0.01 min

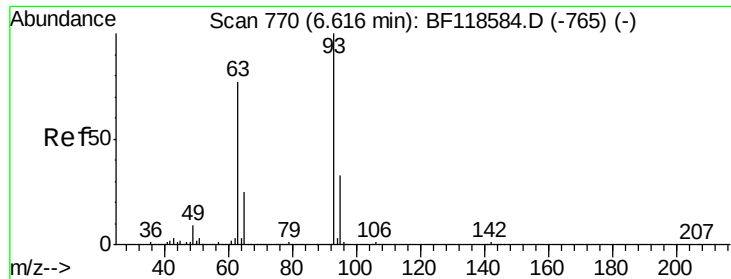
Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tgt Ion: 94 Resp: 1033285

Ion	Ratio	Lower	Upper
94	100		
65	27.5	9.5	49.5
66	38.4	18.5	58.5





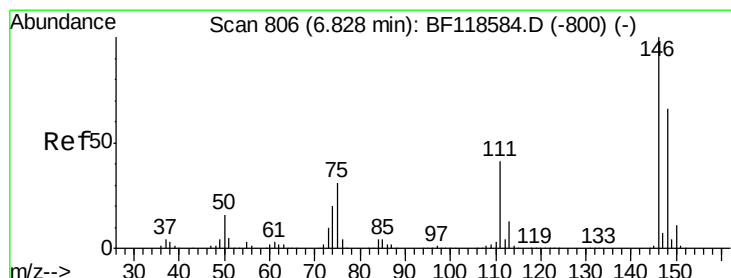
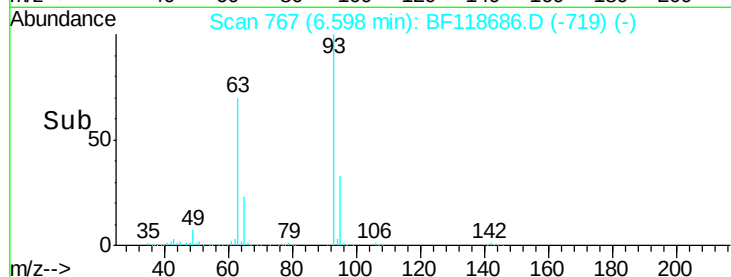
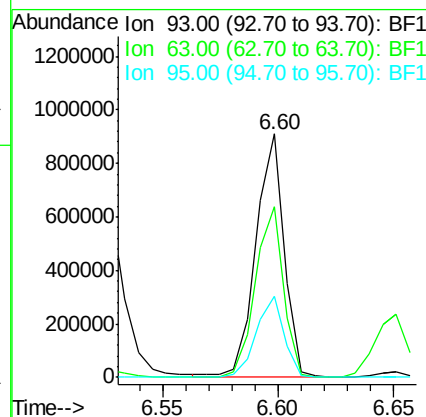
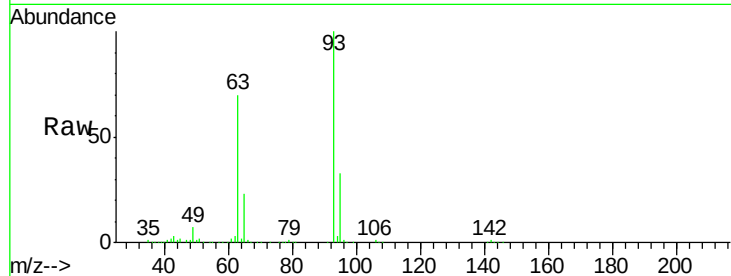
#11
bis(2-Chloroethyl)ether
Concen: 49.288 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion:	93	Resp:	776171
Ion	Ratio	Lower	Upper
93	100		
63	70.3	56.3	96.3
95	33.3	13.3	53.3

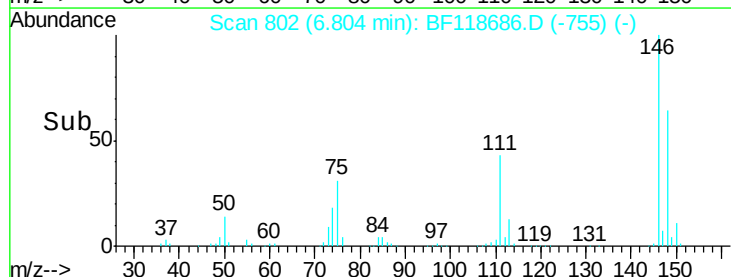
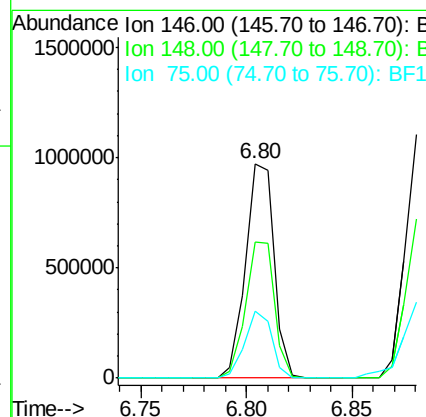
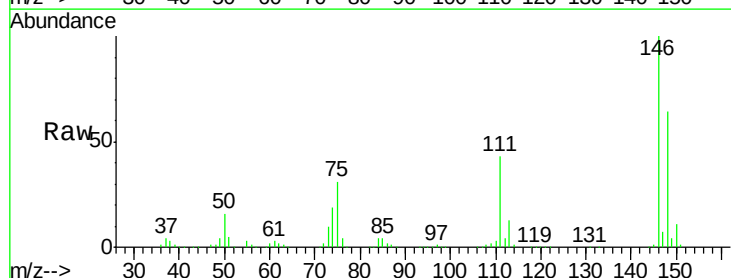
Manual Integrations
APPROVED

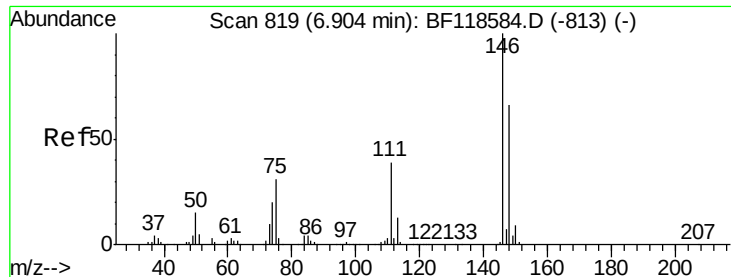
mohammad
1/28/2020 8:12:13 AM



#12
1,3-Dichlorobenzene
Concen: 48.301 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion:	146	Resp:	909281
Ion	Ratio	Lower	Upper
146	100		
148	63.6	53.0	79.6
75	31.0	25.1	37.7





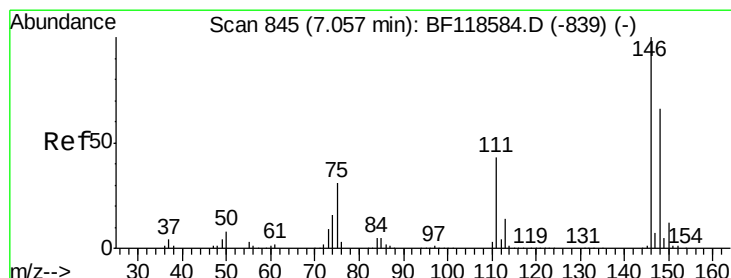
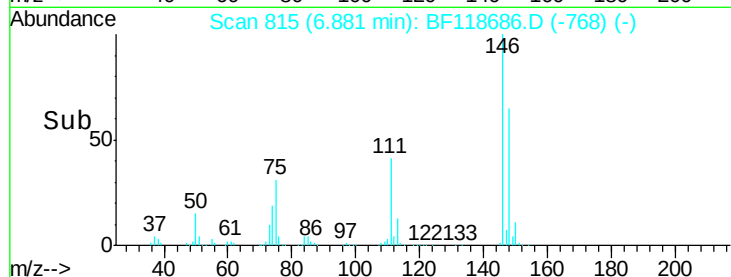
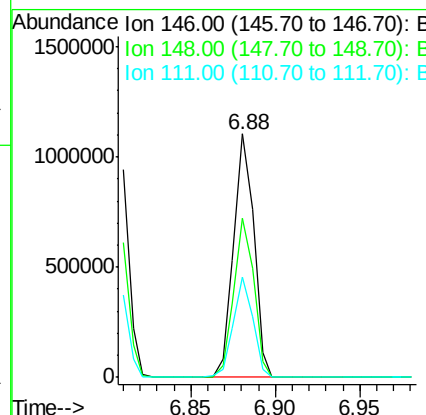
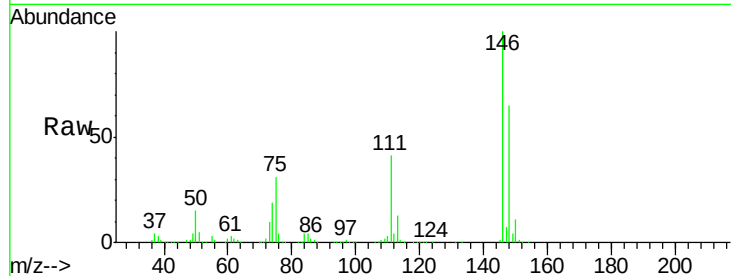
#13
 1,4-Dichlorobenzene
 Concen: 48.515 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.4	78.6
111	41.4	31.6	47.4

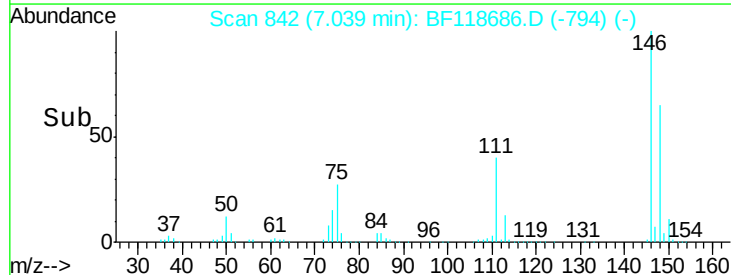
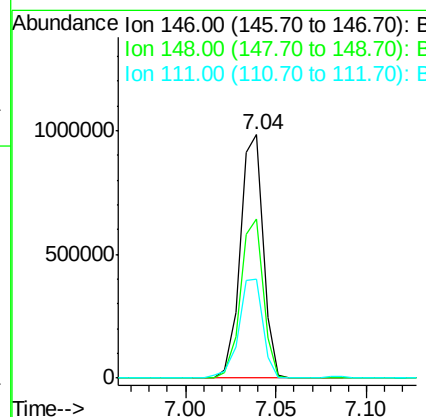
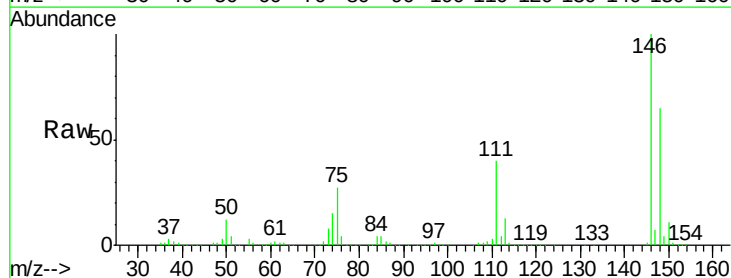
Manual Integrations
 APPROVED

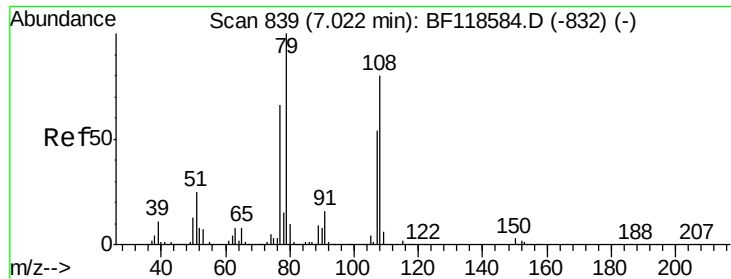
mohammad
 1/28/2020 8:12:13 AM



#14
 1,2-Dichlorobenzene
 Concen: 48.664 ng
 RT: 7.04 min Scan# 842
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.7	79.1
111	40.4	34.6	52.0





#15

Benzyl Alcohol

Concen: 48.217 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

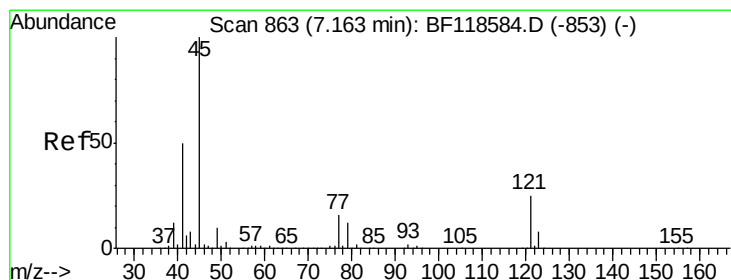
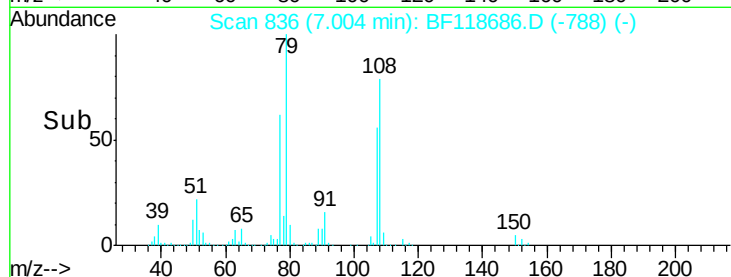
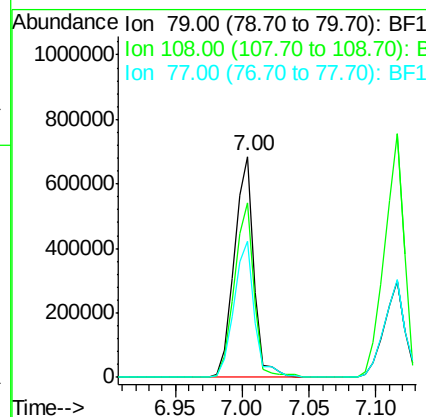
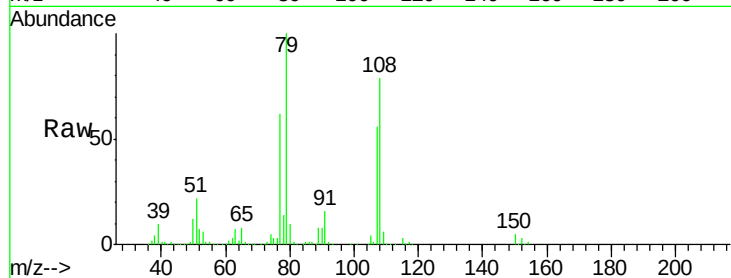
ClientSampleId :

EP-12MSD

Tot Ion:	79	Resp:	712155
Ion Ratio	Lower	Upper	
79	100		
108	79.1	63.6	95.4
77	62.0	52.5	78.7

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.014 ng

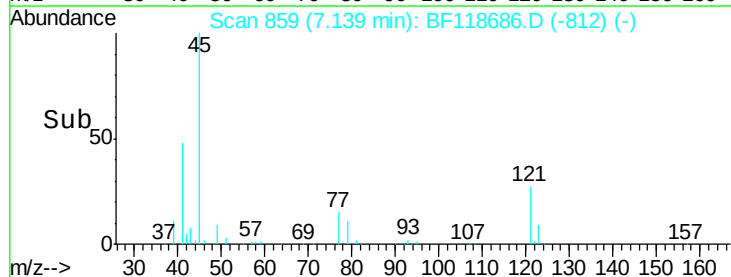
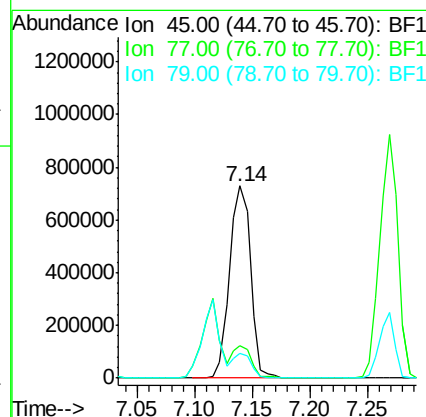
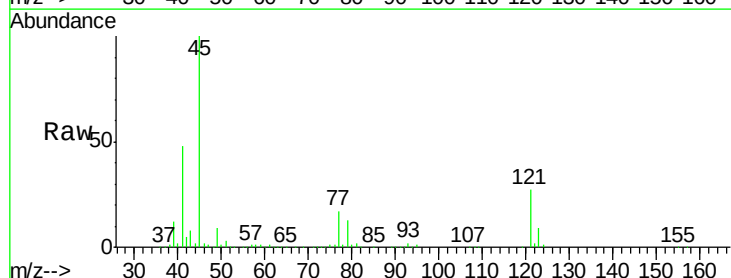
RT: 7.14 min Scan# 859

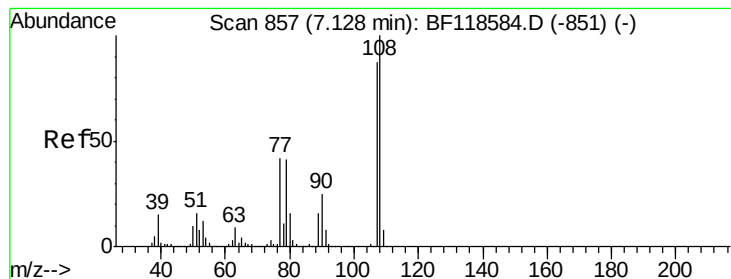
Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tgt Ion:	45	Resp:	921567
Ion Ratio	Lower	Upper	
45	100		
77	16.8	0.0	36.1
79	12.7	0.0	32.4





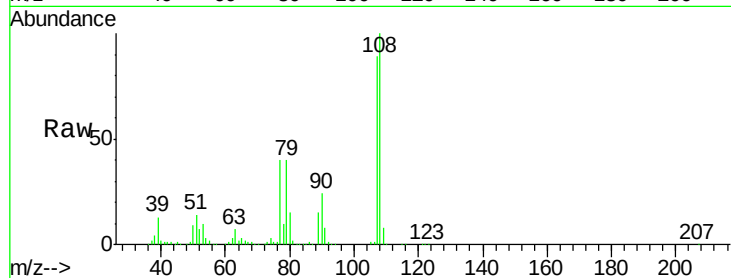
#17
2-Methylphenol
Concen: 50.349 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

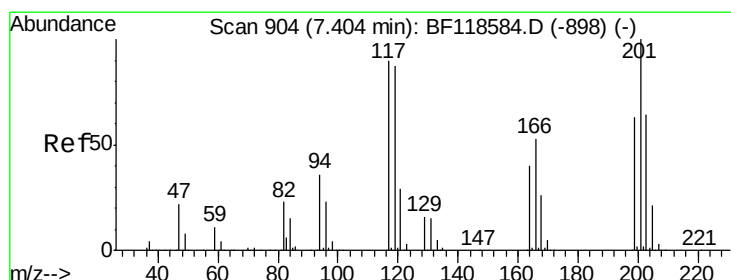
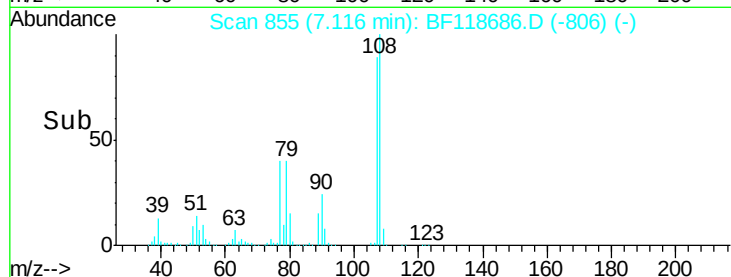
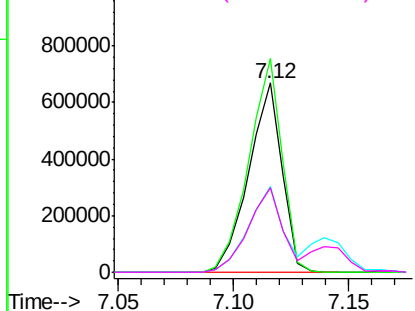
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.9	91.5	137.3	
77	45.2	38.7	58.1	
79	44.8	37.7	56.5	

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM

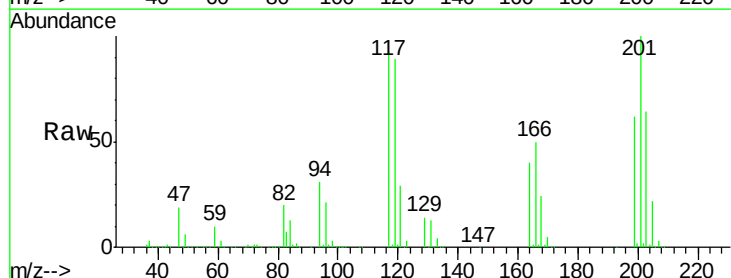


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

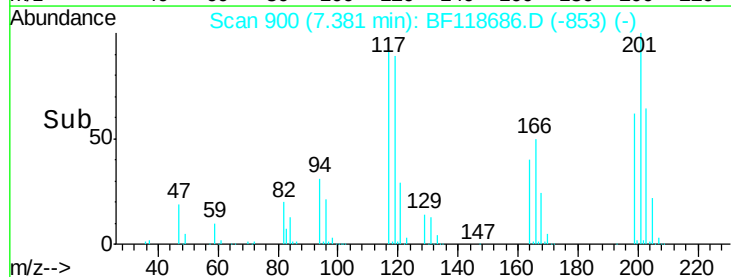
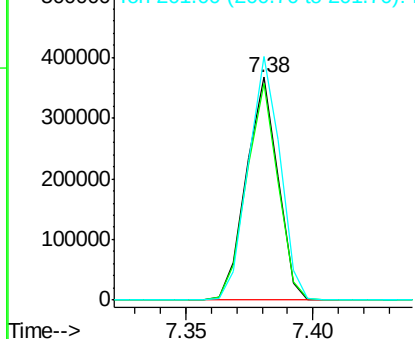


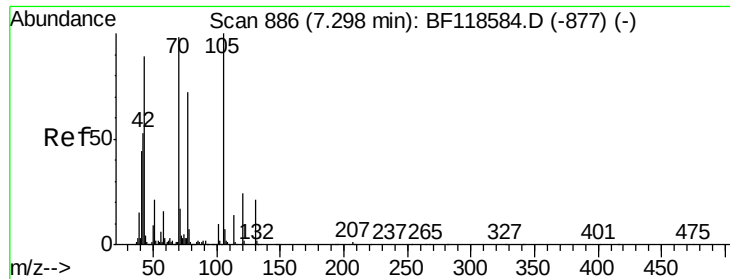
#18
Hexachloroethane
Concen: 46.524 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.3	77.6	116.4	
201	109.1	88.8	133.2	



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





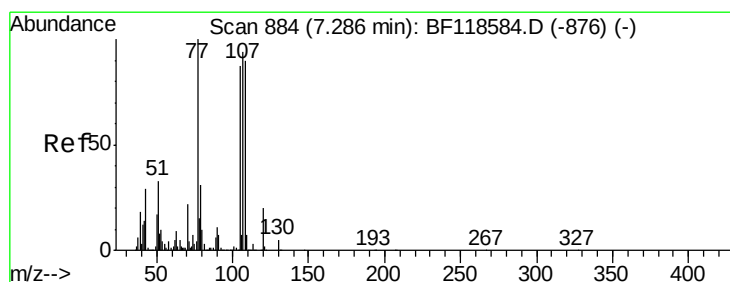
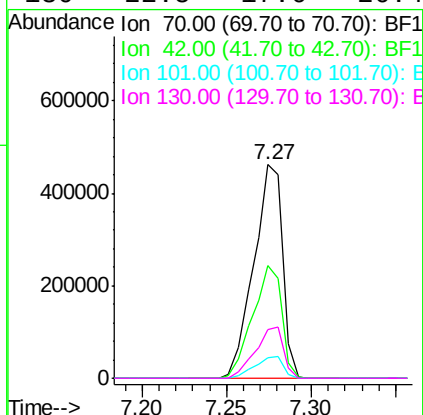
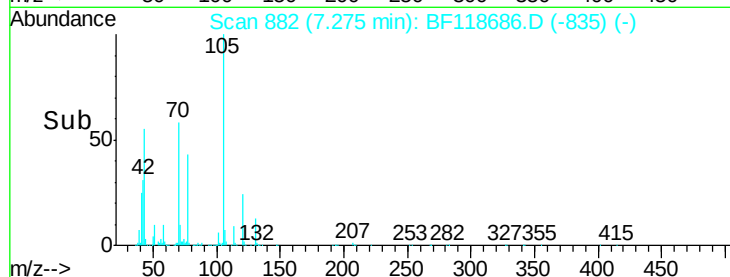
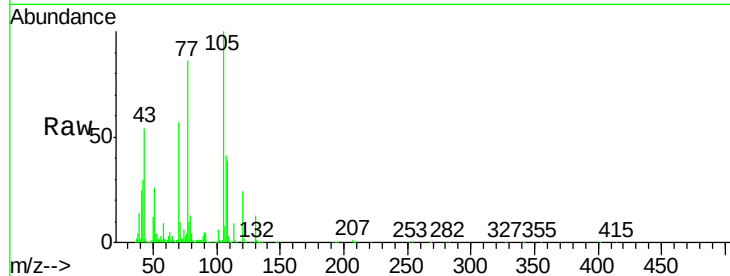
#19
n-Nitroso-di-n-propylamine
Concen: 43.602 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	52.9		43.4	65.0	
101	9.9		8.1	12.1	
130	22.5		17.6	26.4	

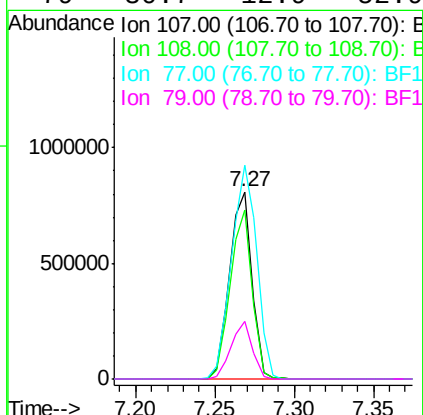
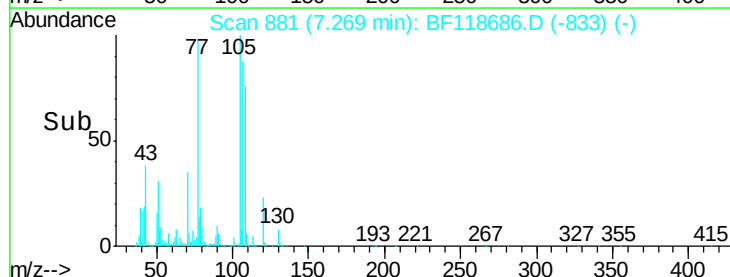
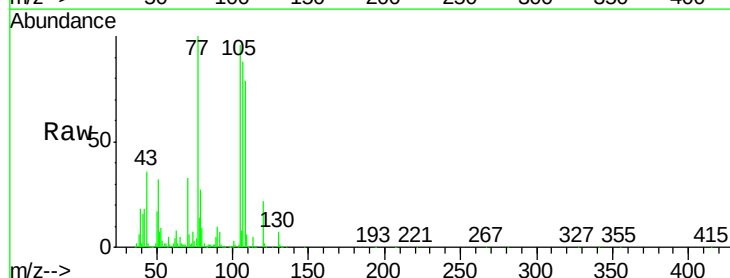
Manual Integrations
APPROVED

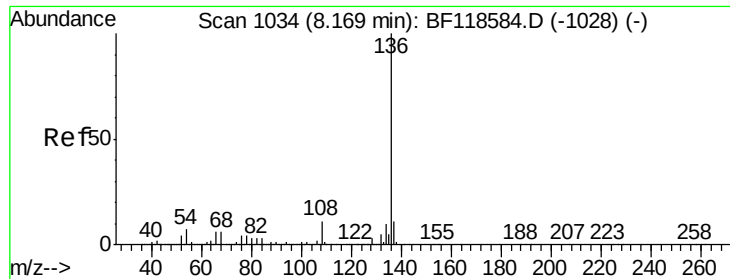
mohammad
1/28/2020 8:12:13 AM



#20
3+4-Methylphenols
Concen: 48.551 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	90.4		75.8	115.8	
77	113.9		86.5	126.5	
79	30.7		12.9	52.9	





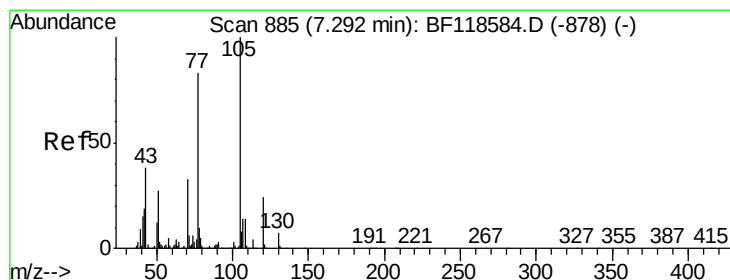
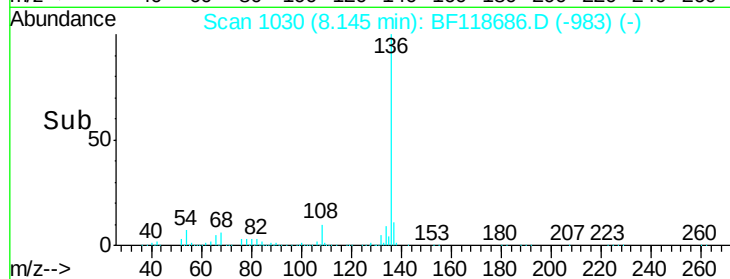
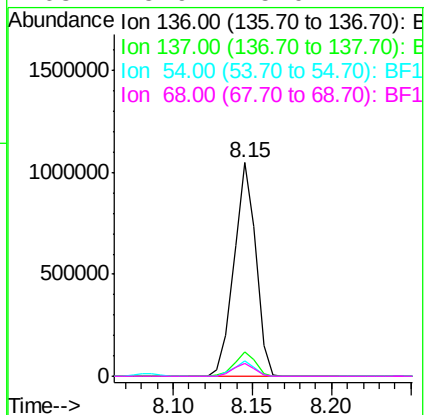
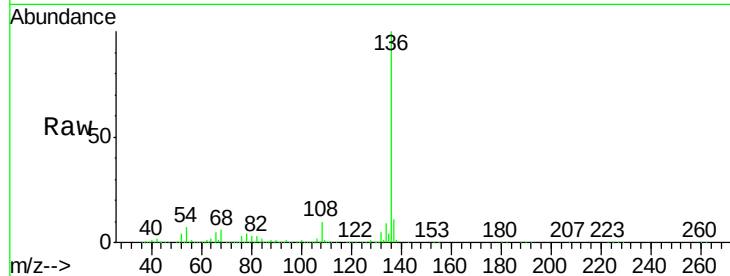
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	994783		
137	11.3		9.1	13.7
54	6.9		5.8	8.6
68	5.9		5.0	7.4

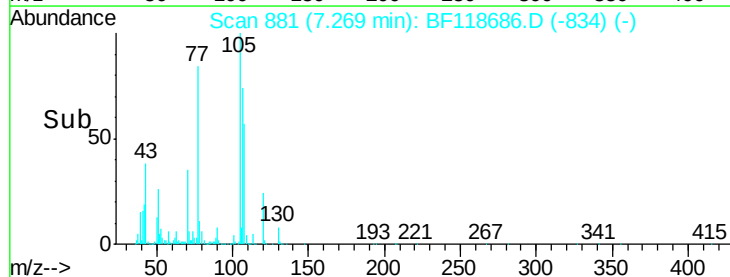
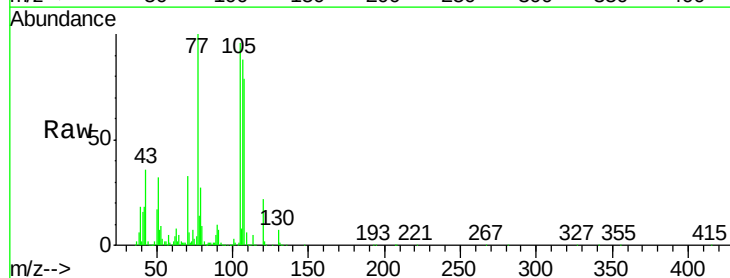
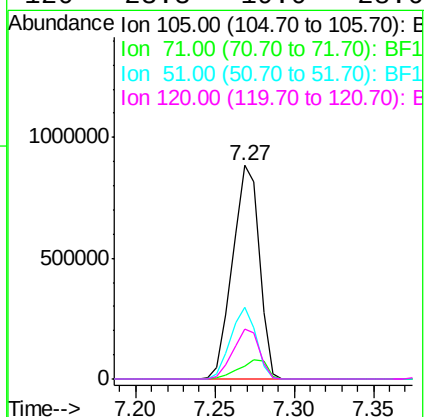
Manual Integrations
APPROVED

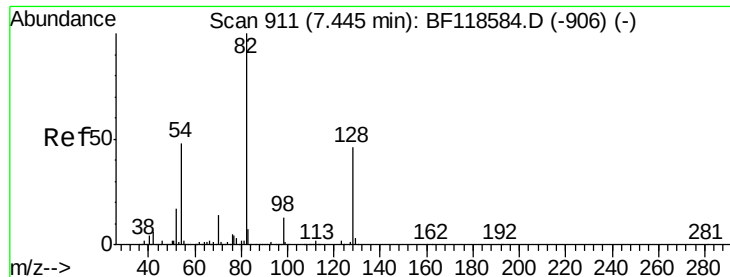
mohammad
1/28/2020 8:12:13 AM



#22
Acetophenone
Concen: 43.897 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1034463		
71	5.9		4.5	6.7
51	33.7		21.5	32.3
120	23.3		19.0	28.6





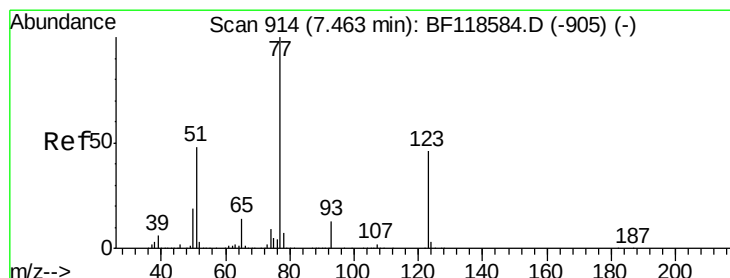
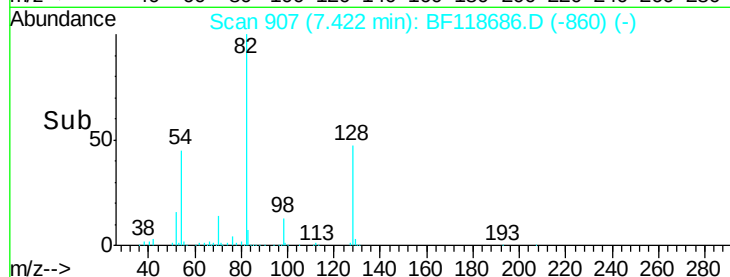
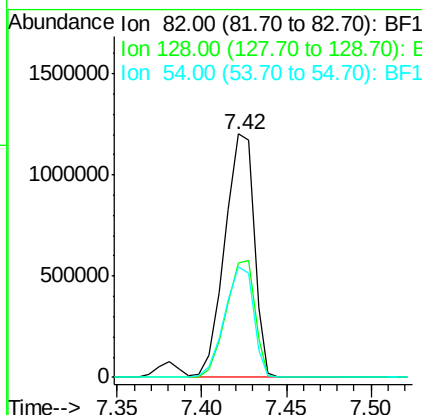
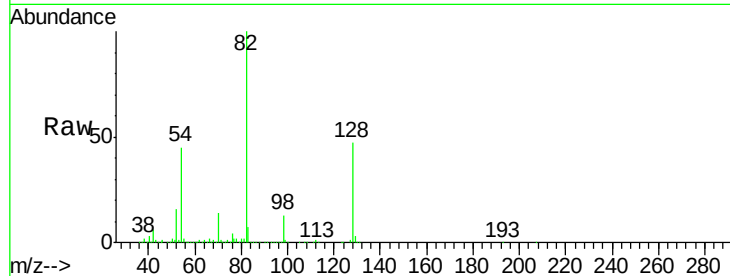
#23
 Nitrobenzene-d5
 Concen: 81.459 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

Tot Ion	82	Resp	1448738
Ion Ratio	Lower	Upper	
82	100		
128	47.0	36.6	54.8
54	45.4	38.0	57.0

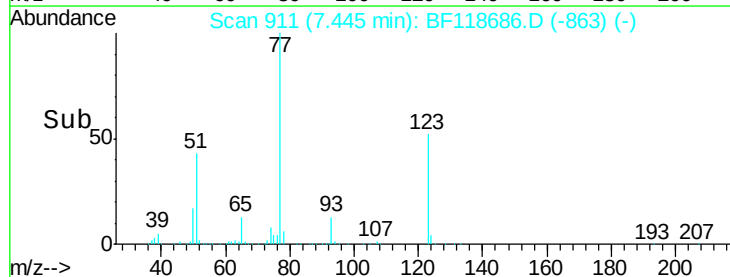
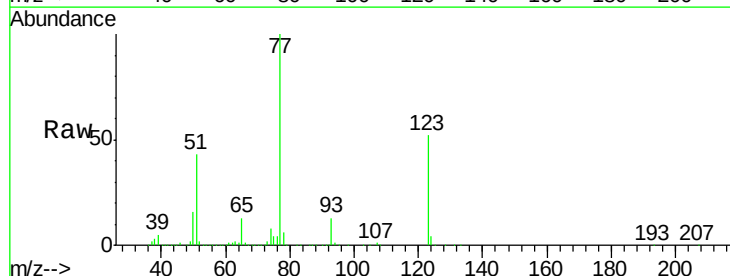
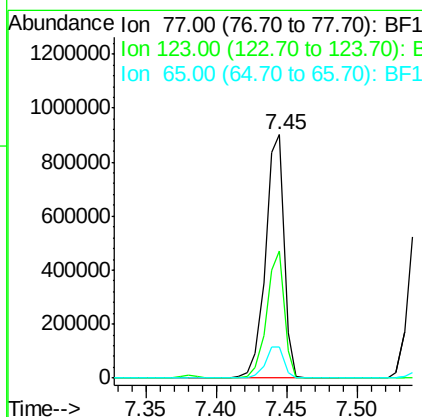
Manual Integrations
 APPROVED

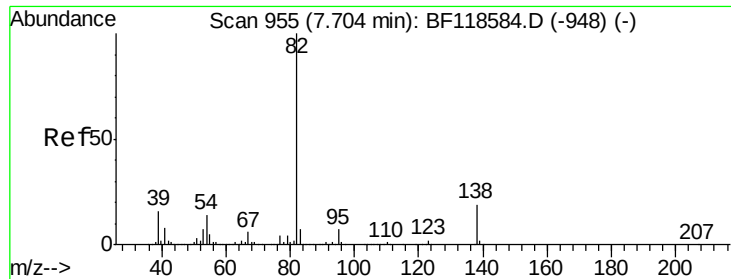
mohammad
 1/28/2020 8:12:13 AM



#24
 Nitrobenzene
 Concen: 46.274 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion	77	Resp	842669
Ion Ratio	Lower	Upper	
77	100		
123	52.0	37.0	55.4
65	13.0	11.1	16.7





#25

Isophorone

Concen: 46.791 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

ClientSampleId :

EP-12MSD

Tot Ion: 82 Resp: 1517842

Ion Ratio Lower Upper

82 100

95 7.4 5.9 8.9

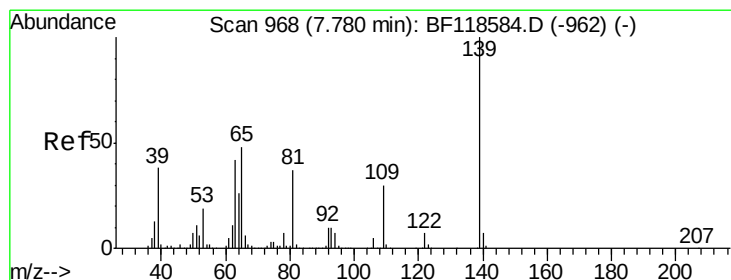
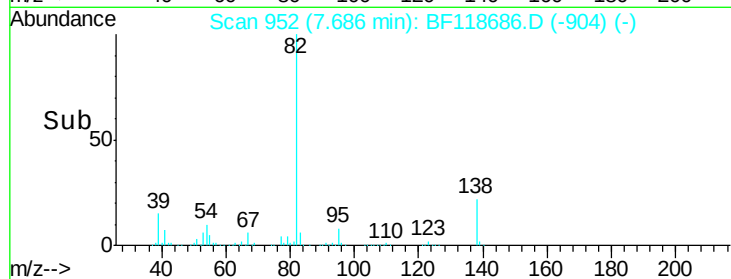
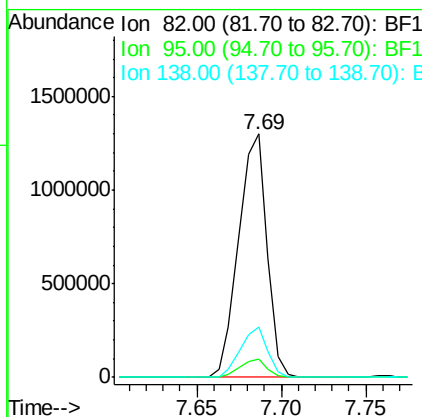
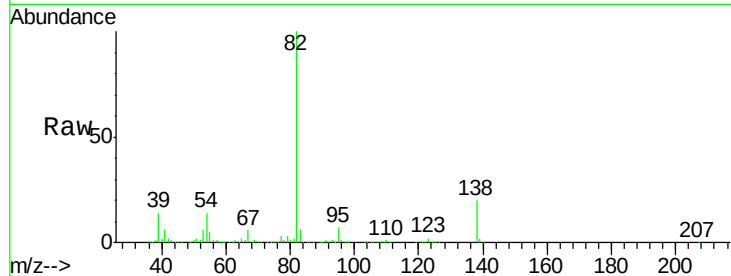
138 20.4 15.3 22.9

Manual Integrations

APPROVED

mohammad

1/28/2020 8:12:13 AM



#26

2-Nitrophenol

Concen: 58.288 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

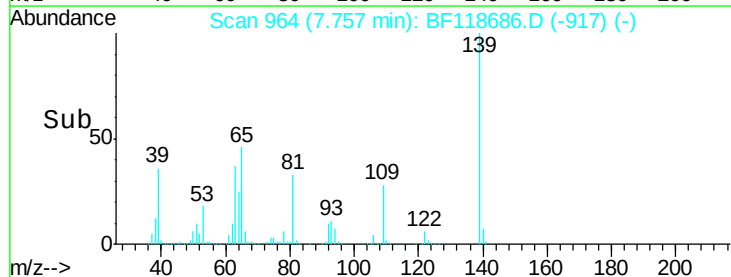
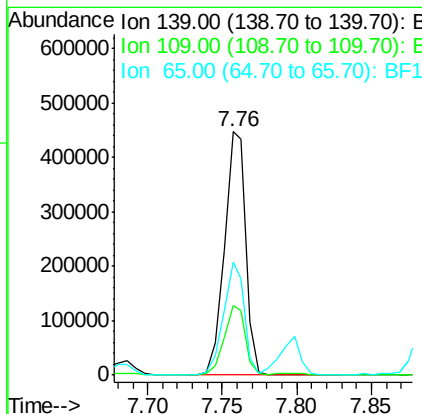
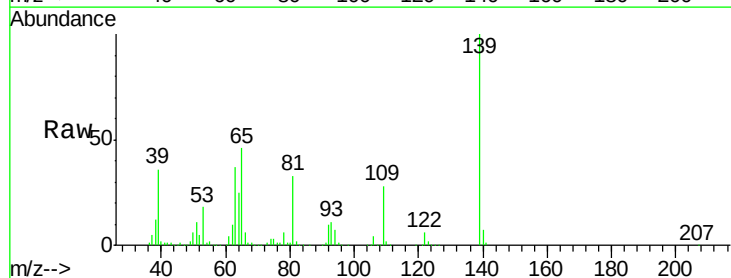
Tgt Ion: 139 Resp: 452648

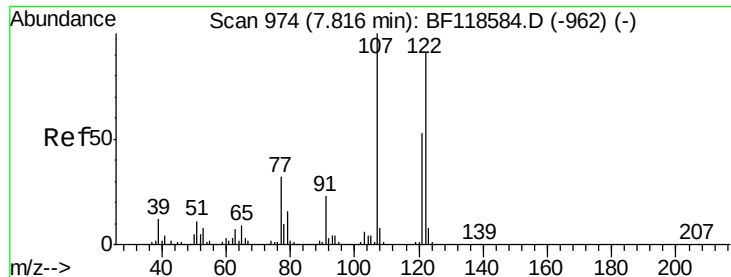
Ion Ratio Lower Upper

139 100

109 28.5 23.8 35.8

65 46.4 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 53.588 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

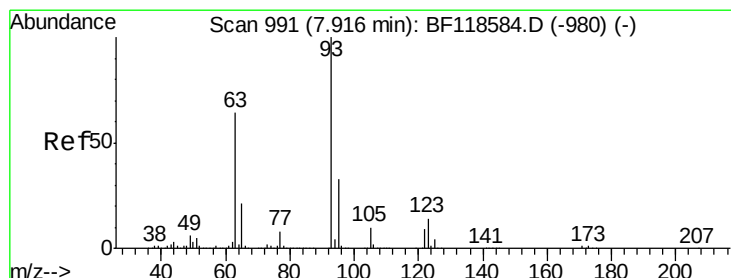
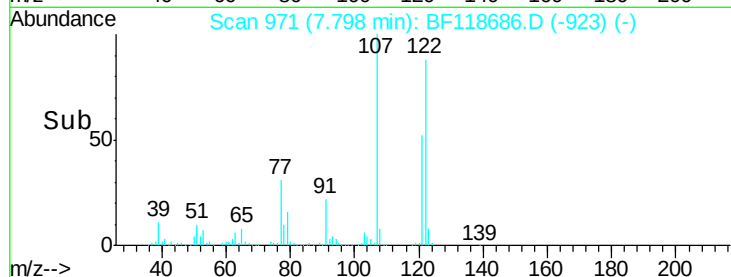
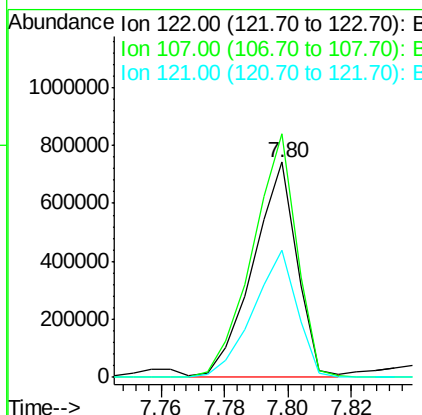
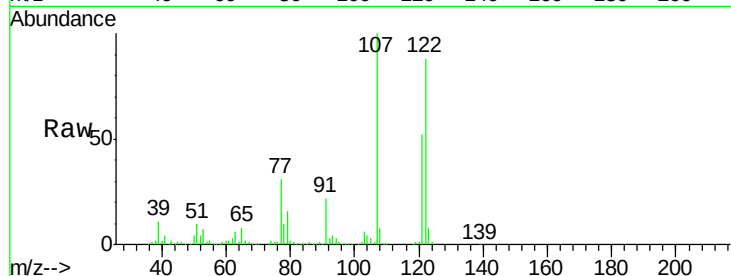
ClientSampleId :

EP-12MSD

Tot Ion:	122	Resp:	718611
Ion Ratio	Lower	Upper	
122	100		
107	113.2	88.0	132.0
121	58.9	46.3	69.5

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



#28

bis(2-Chloroethoxy)methane

Concen: 45.326 ng

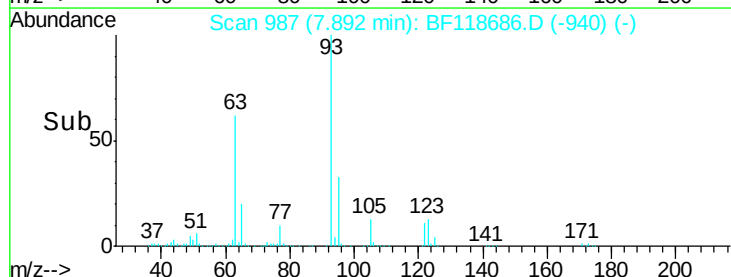
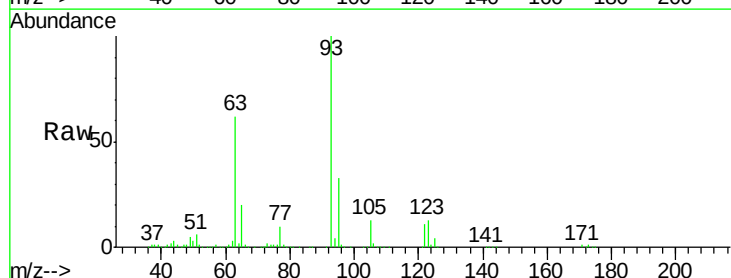
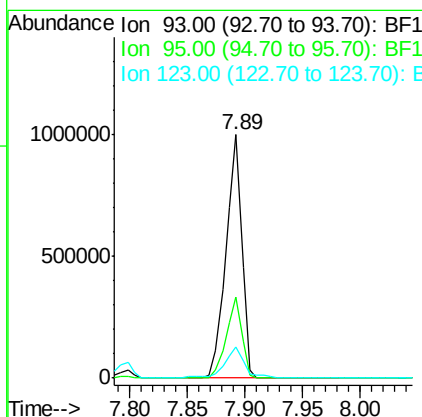
RT: 7.89 min Scan# 987

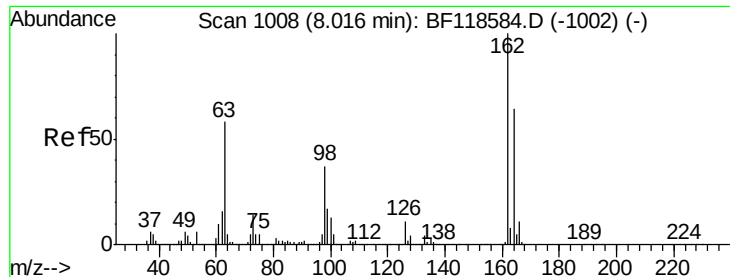
Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tgt Ion:	93	Resp:	947389
Ion Ratio	Lower	Upper	
93	100		
95	33.1	26.7	40.1
123	13.0	11.0	16.6





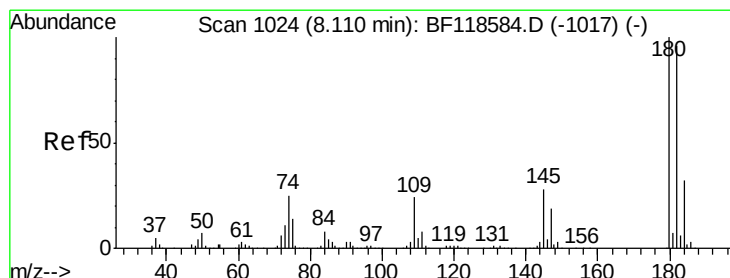
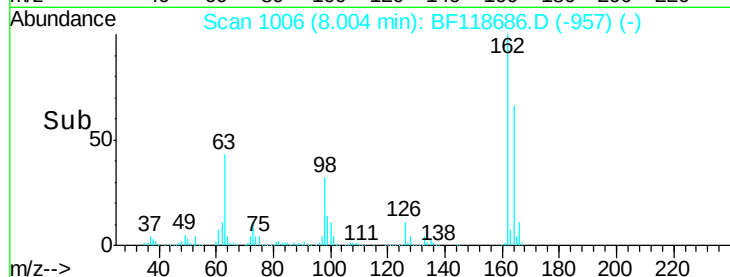
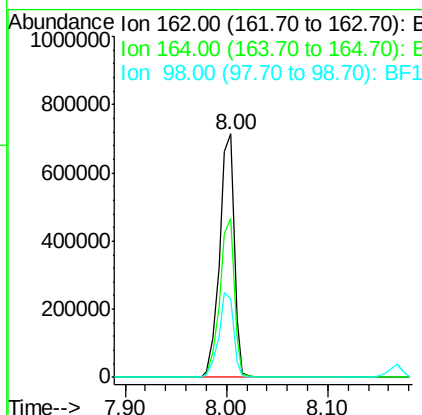
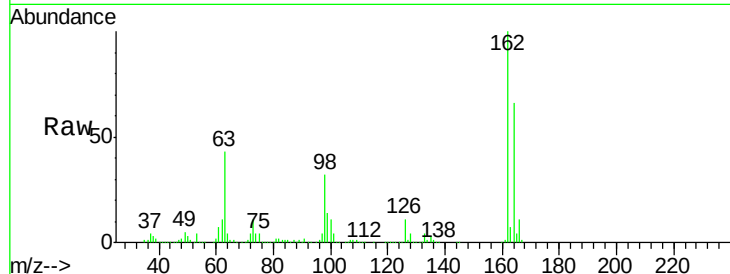
#29
2,4-Dichlorophenol
Concen: 48.570 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	720006		
164	65.5		44.3	84.3
98	32.5		17.5	57.5

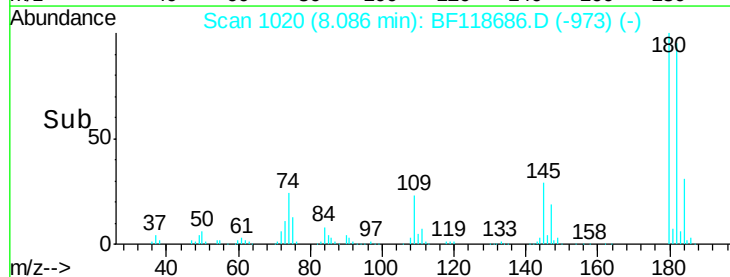
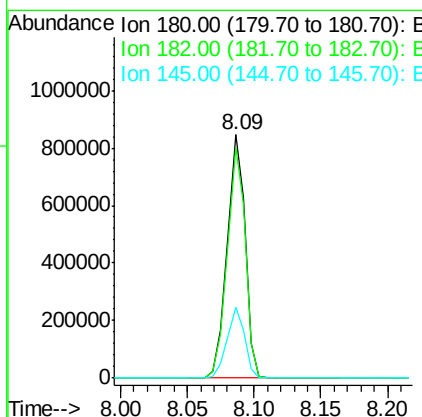
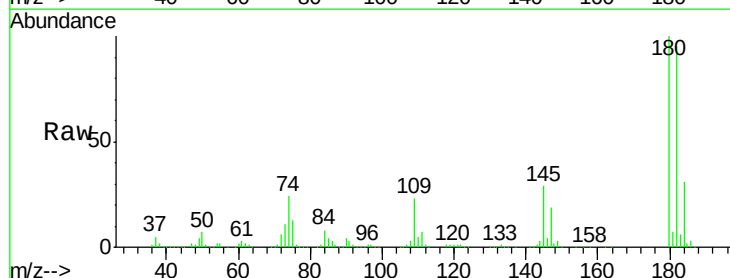
Manual Integrations
APPROVED

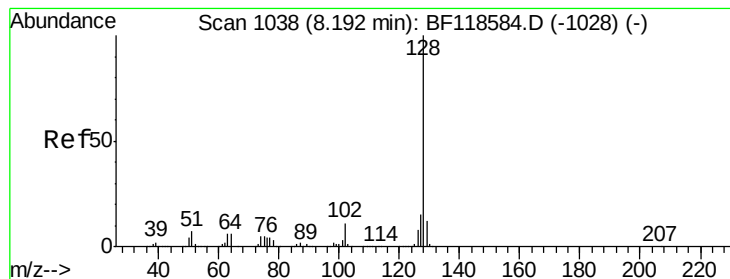
mohammad
1/28/2020 8:12:13 AM



#30
1,2,4-Trichlorobenzene
Concen: 47.246 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	812080		
182	94.9		76.9	115.3
145	28.9		22.8	34.2





#31

Naphthalene

Concen: 50.474 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

ClientSampleId :

EP-12MSD

Tot Ion:128 Resp: 2268206

Ion Ratio Lower Upper

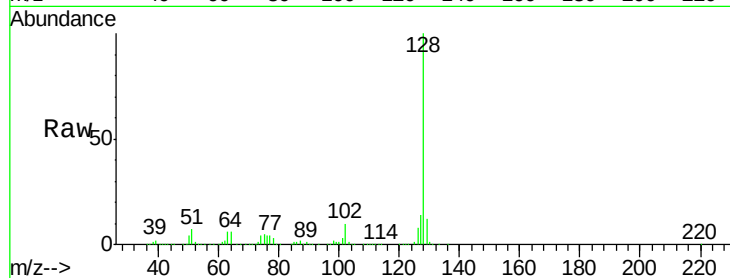
128 100

129 12.0 9.9 14.9

127 14.2 12.0 18.0

Manual Integrations
APPROVED

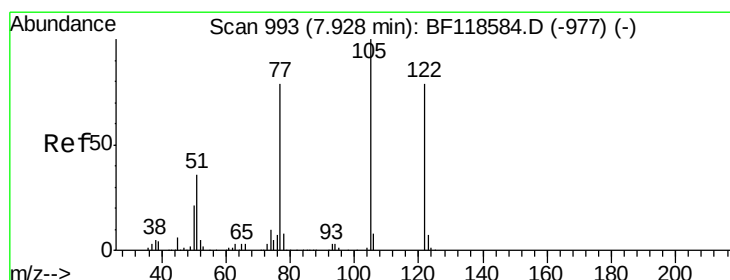
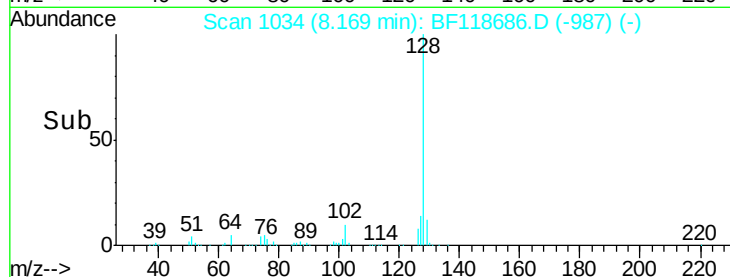
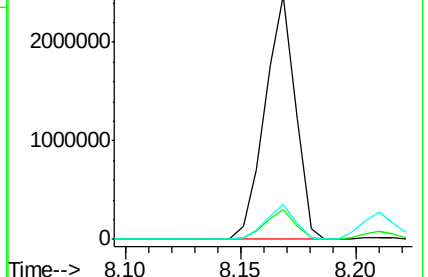
mohammad
1/28/2020 8:12:13 AM



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: 50.925 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

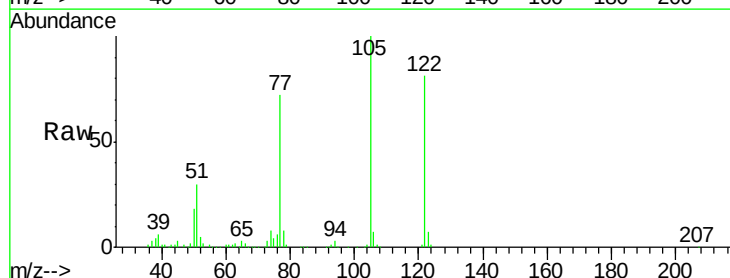
Tgt Ion:122 Resp: 512516

Ion Ratio Lower Upper

122 100

105 123.3 104.3 144.3

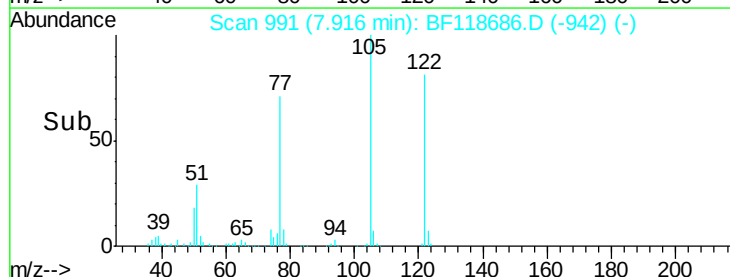
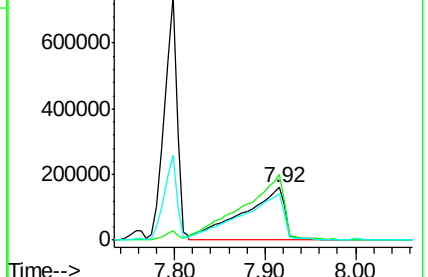
77 88.9 79.4 119.4

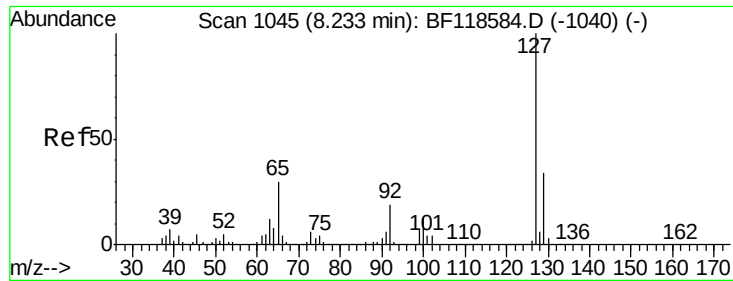


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





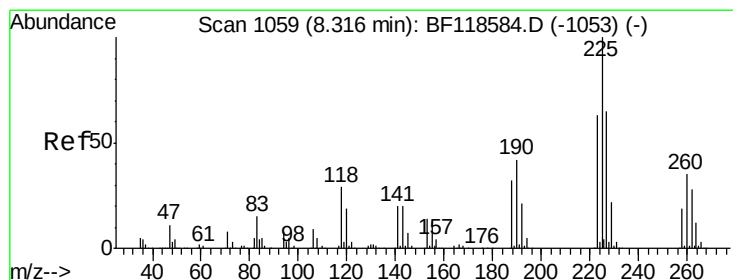
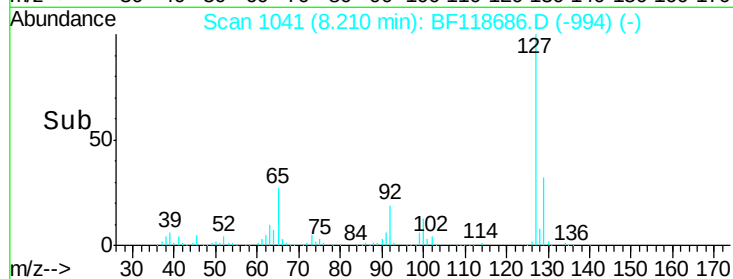
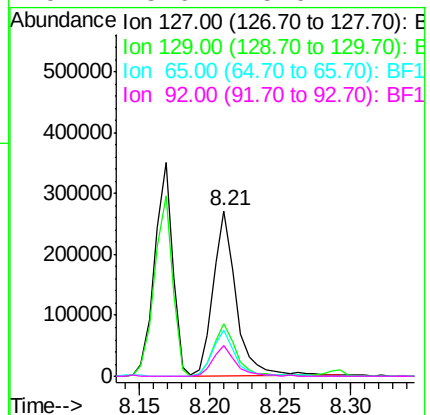
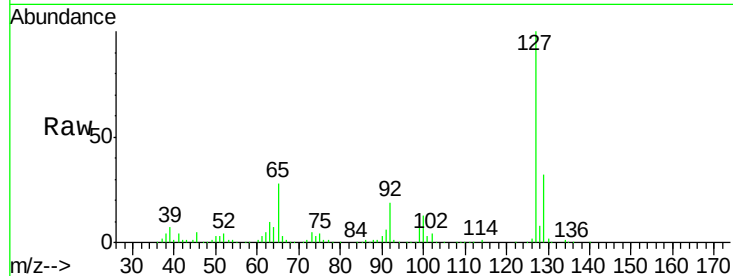
#33
4-Chloroaniline
Concen: 14.724 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampled :
EP-12MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		305814		
129	32.0	27.4	41.0		
65	27.6	23.6	35.4		
92	18.6	15.0	22.4		

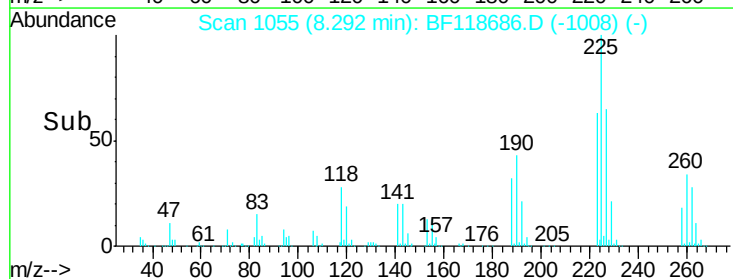
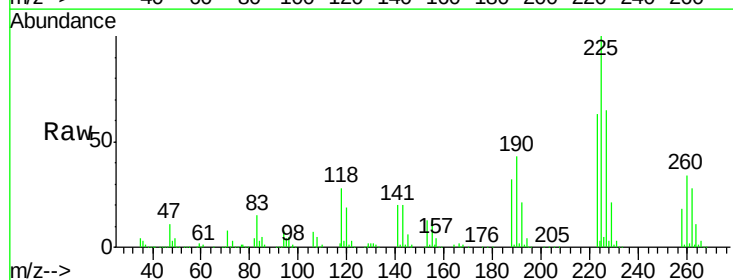
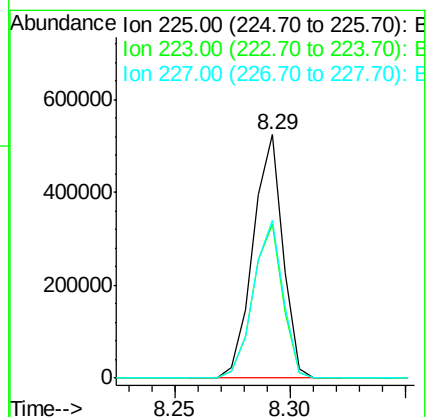
Manual Integrations
APPROVED

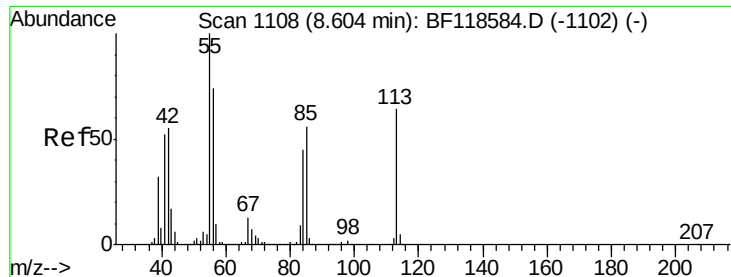
mohammad
1/28/2020 8:12:13 AM



#34
Hexachlorobutadiene
Concen: 45.184 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		472952		
223	63.1	50.2	75.4		
227	64.7	52.1	78.1		





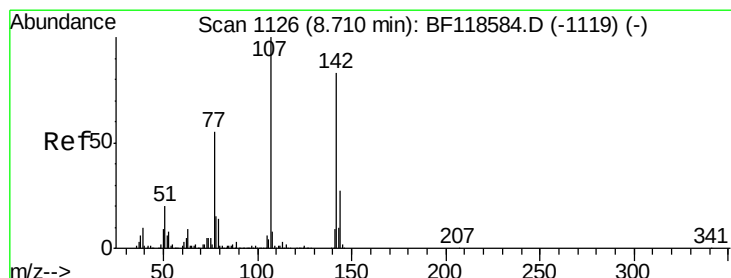
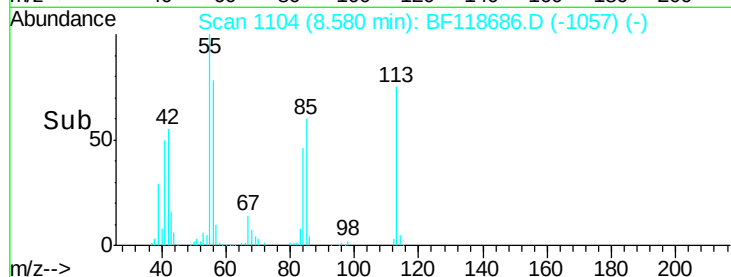
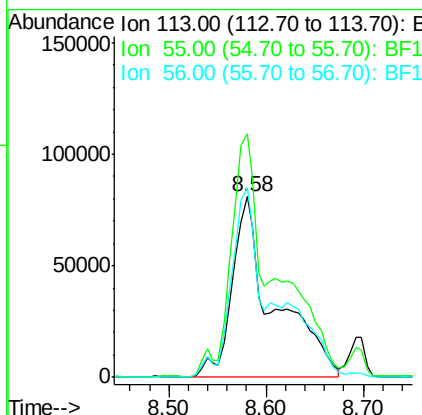
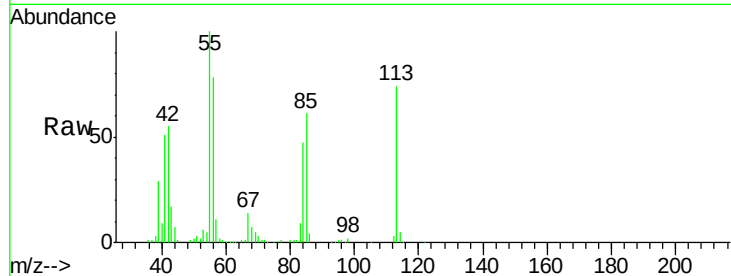
#35
 Caprolactam
 Concen: 50.086 ng/ml
 RT: 8.58 min Scan# 1104
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	134.7	136.1	176.1#		
56	104.8	95.2	135.2		

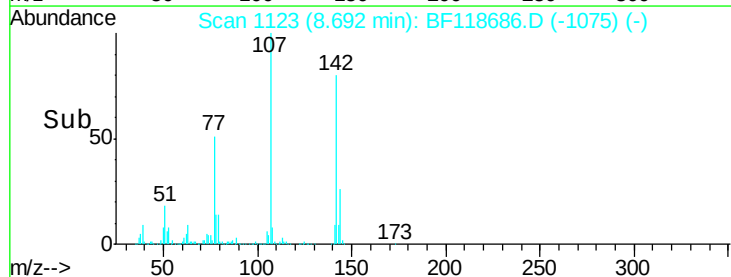
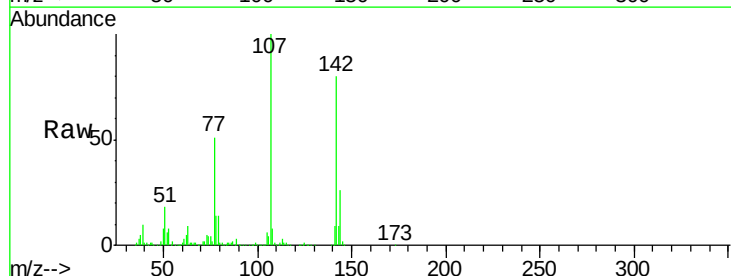
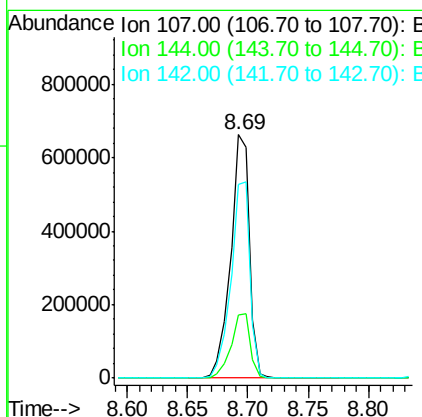
Manual Integrations
 APPROVED

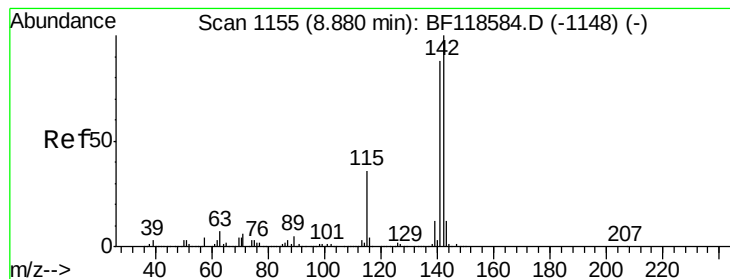
mohammad
 1/28/2020 8:12:13 AM



#36
 4-Chloro-3-methylphenol
 Concen: 49.198 ng/ml
 RT: 8.69 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	26.0	21.8	32.8		
142	79.6	66.5	99.7		





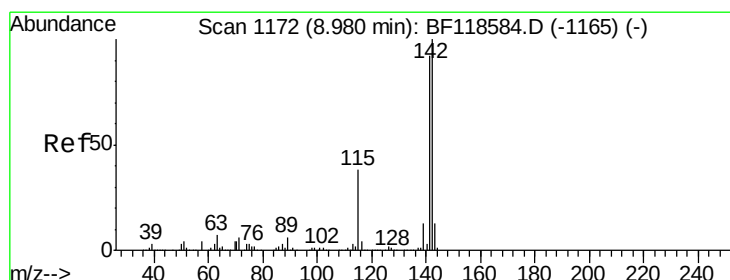
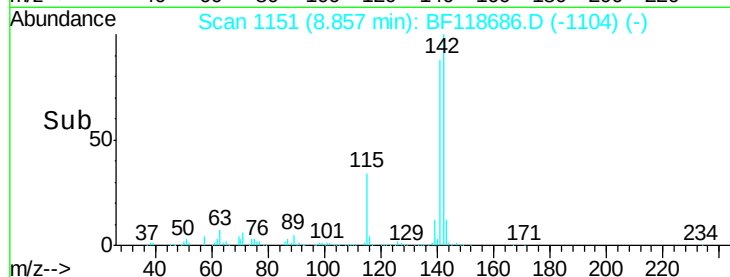
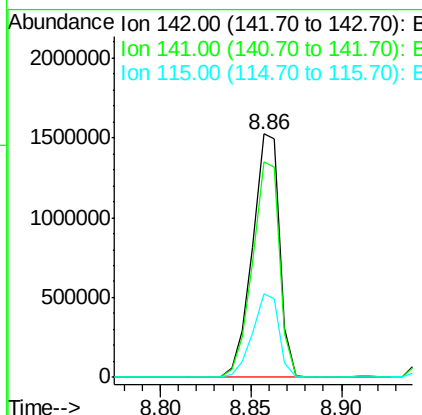
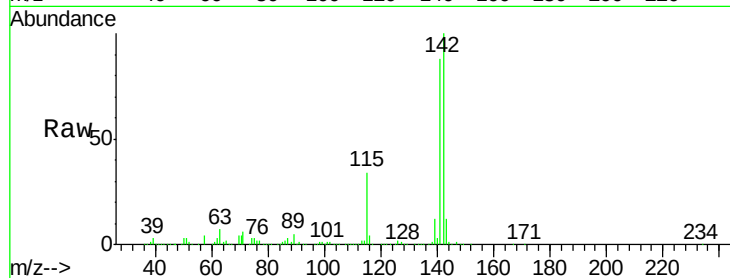
#37
2-Methylnaphthalene
Concen: 50.186 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.7	106.1
115	34.4	28.5	42.7

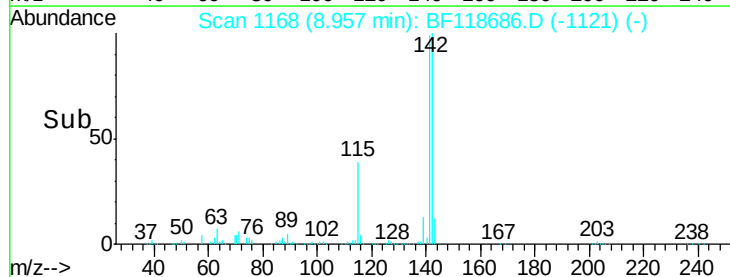
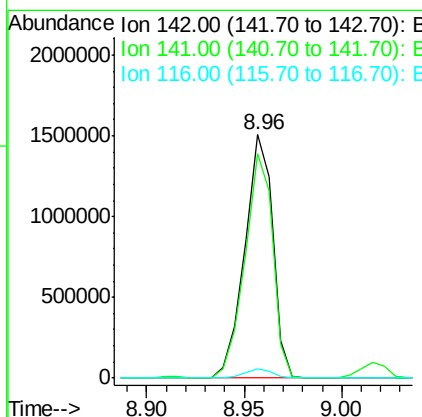
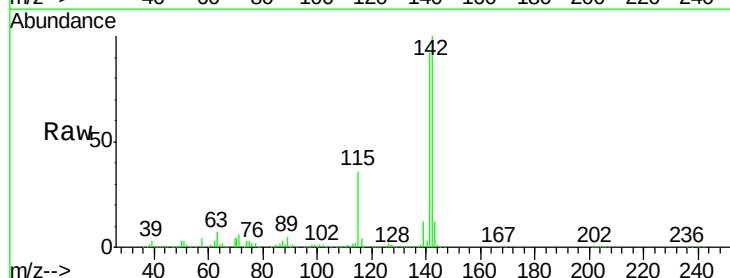
Manual Integrations
APPROVED

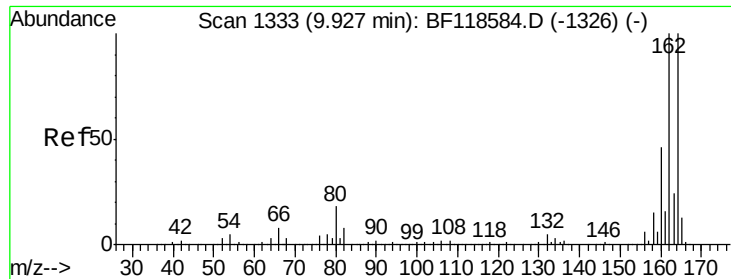
mohammad
1/28/2020 8:12:13 AM



#38
1-Methylnaphthalene
Concen: 49.619 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.4	110.2
116	3.8	3.3	4.9





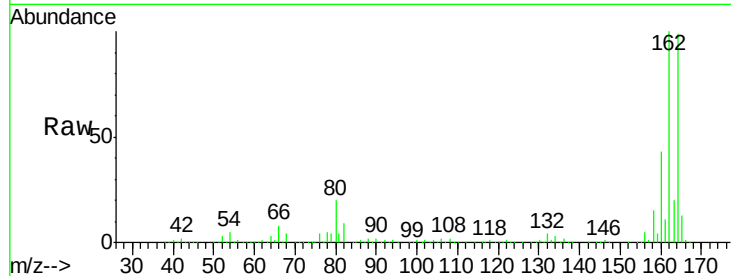
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

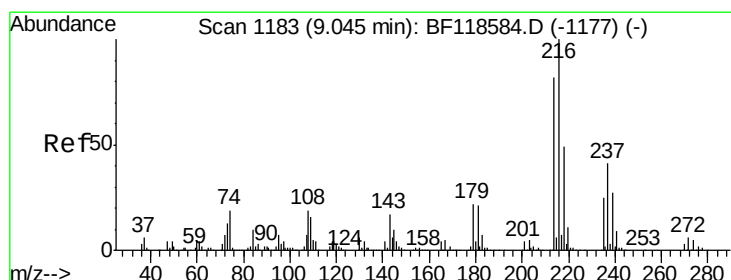
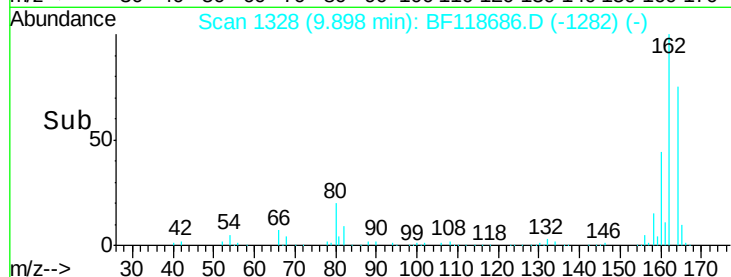
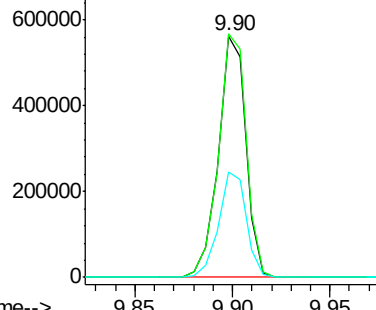
Tot Ion	Ratio	Resp	Lower	Upper
164	100	549465		
162	100.9	80.4	120.6	
160	43.6	36.6	55.0	

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



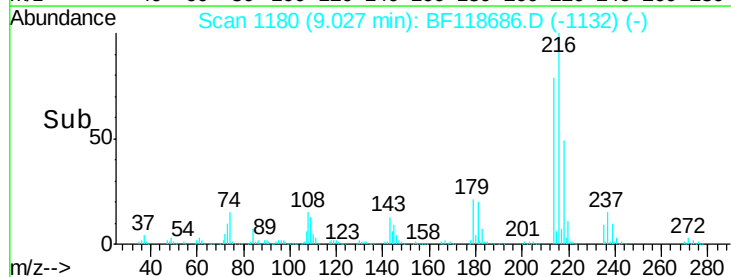
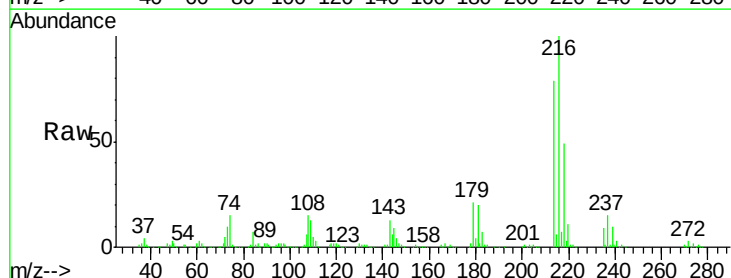
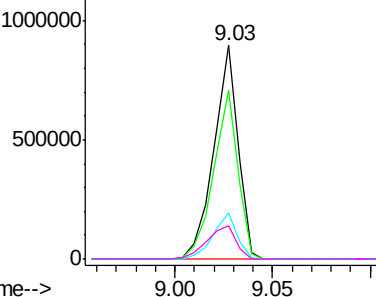
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

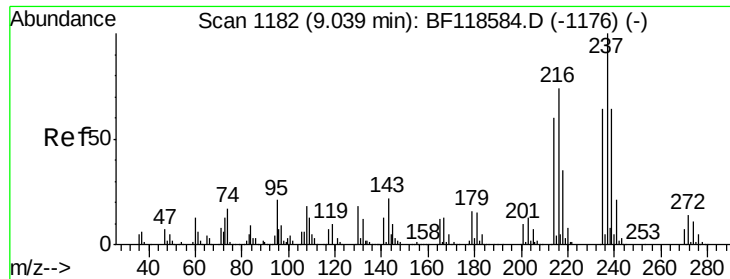


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.813 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	770446		
214	79.2	64.2	96.2	
179	21.0	16.6	25.0	
108	18.7	14.4	21.6	

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: 93.890 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

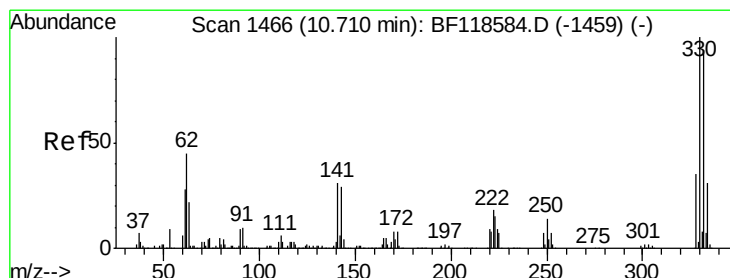
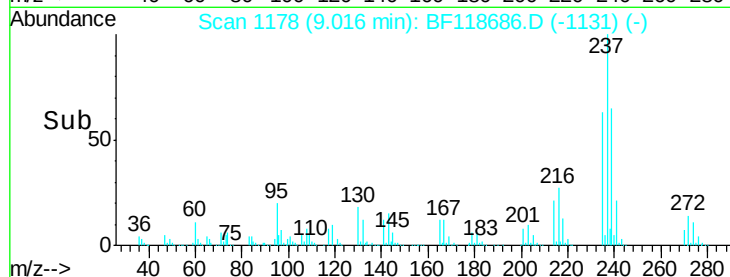
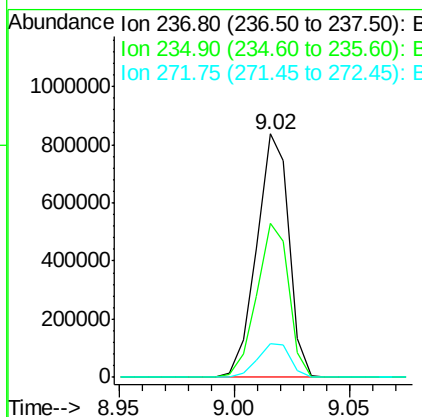
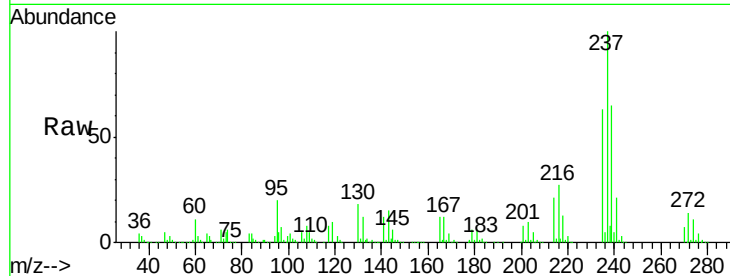
ClientSampleId :

EP-12MSD

Tot Ion:	237	Resp:	814410
Ion Ratio		Lower	Upper
237	100		
235	63.2	44.0	84.0
272	13.9	0.0	34.0

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



#42

2,4,6-Tribromophenol

Concen: 121.948 ng

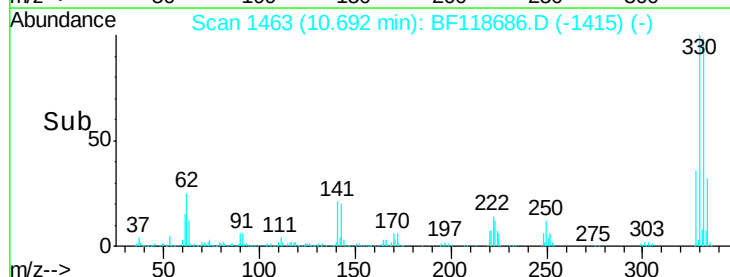
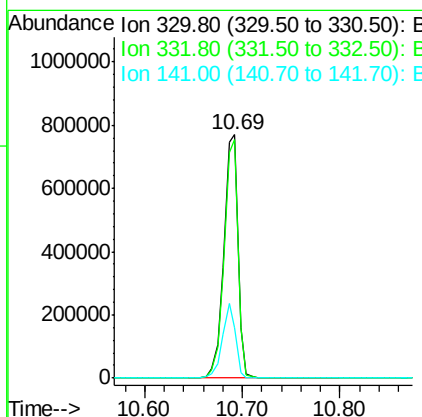
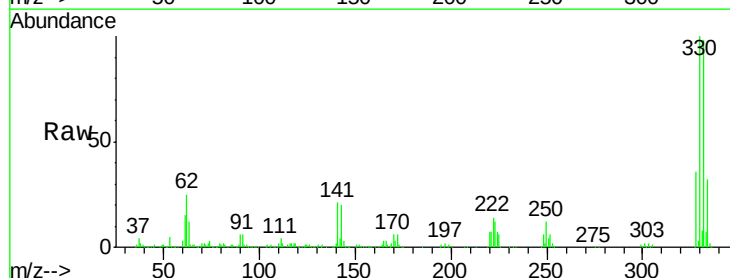
RT: 10.69 min Scan# 1463

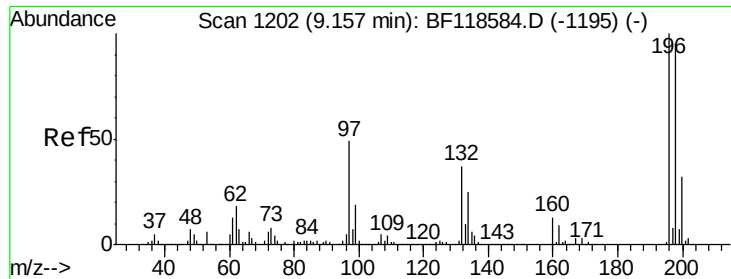
Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tgt Ion:	330	Resp:	775012
Ion Ratio		Lower	Upper
330	100		
332	96.5	76.2	114.4
141	28.3	23.9	35.9





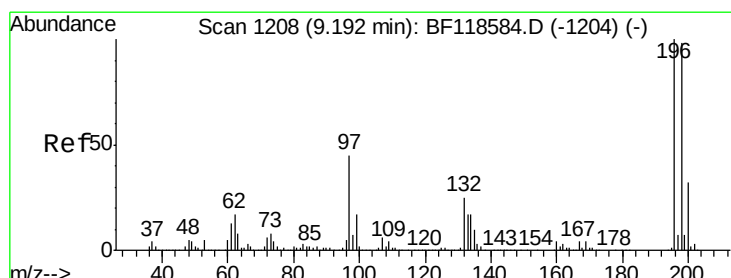
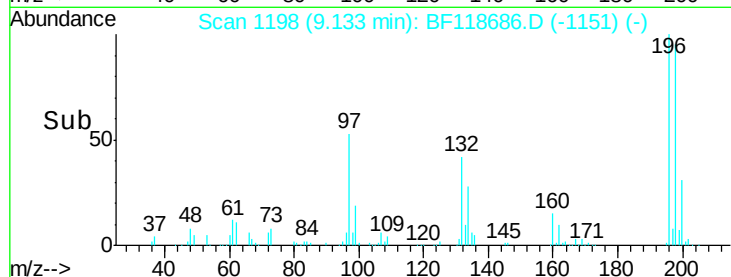
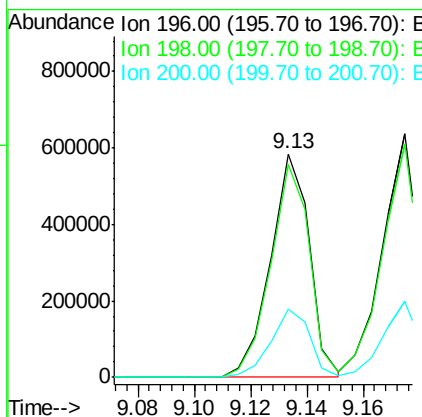
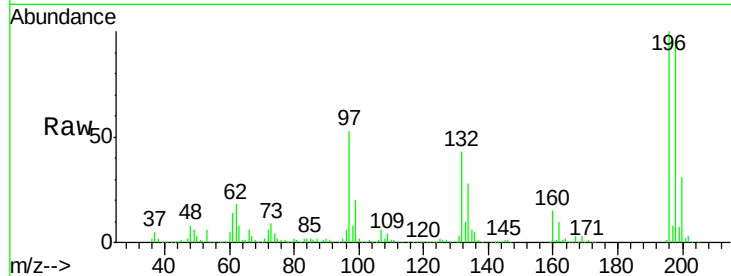
#43
 2,4,6-Trichlorophenol
 Concen: 49.024 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampled :
 EP-12MSD

Tot Ion:	196	Resp:	559297
Ion Ratio	Lower	Upper	
196	100		
198	95.4	76.3	114.5
200	30.6	25.4	38.2

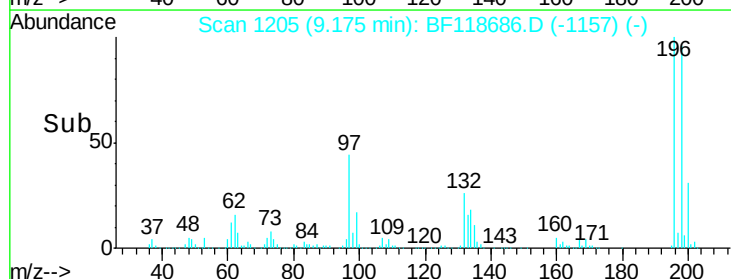
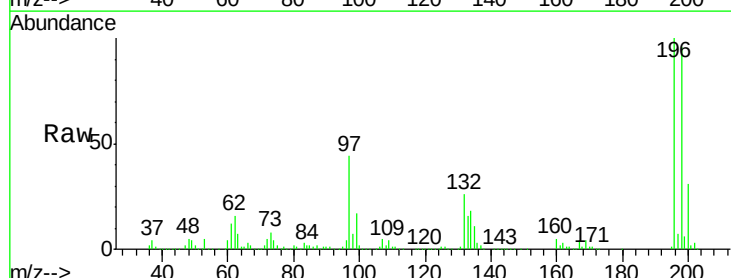
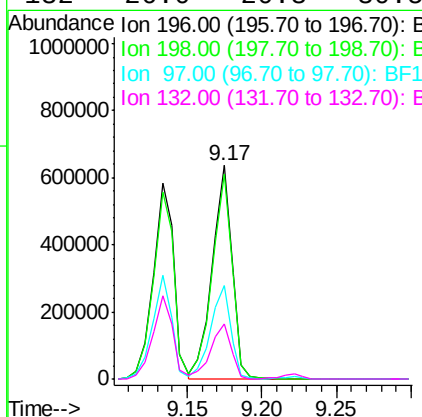
Manual Integrations
 APPROVED

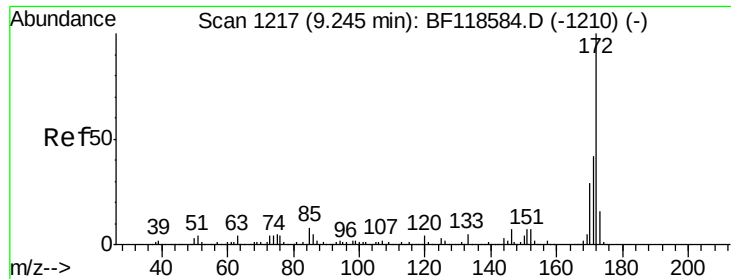
mohammad
 1/28/2020 8:12:13 AM



#44
 2,4,5-Trichlorophenol
 Concen: 50.351 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion:	196	Resp:	586662
Ion Ratio	Lower	Upper	
196	100		
198	96.0	78.3	117.5
97	43.7	35.9	53.9
132	26.0	20.3	30.5





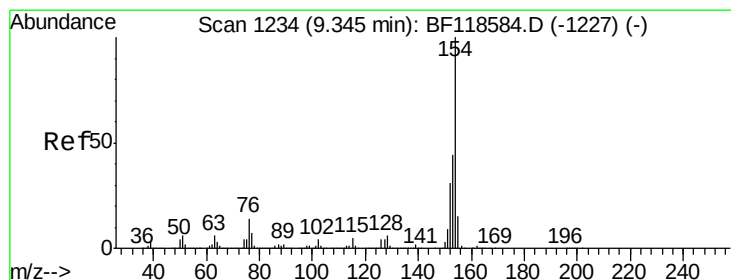
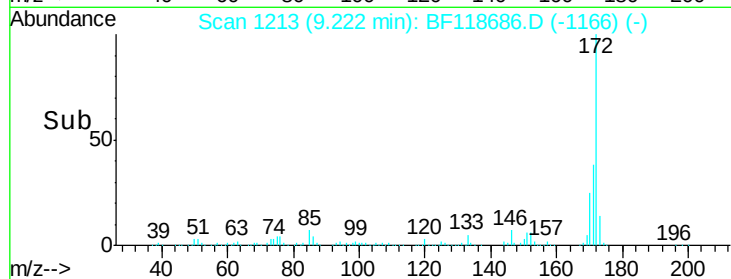
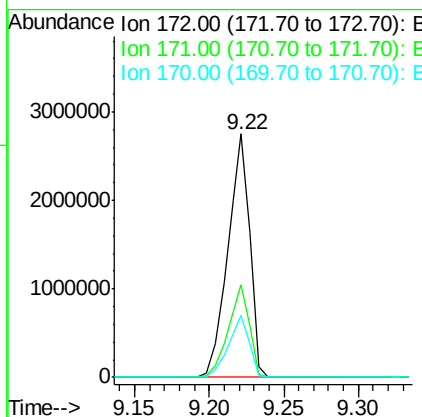
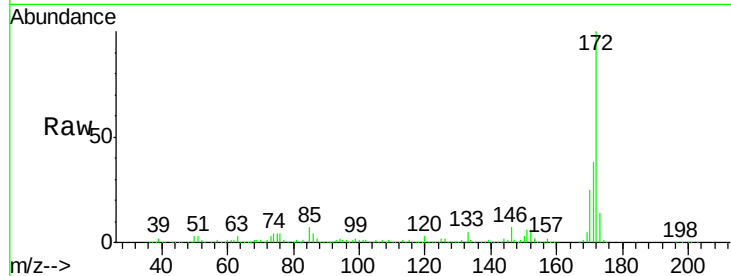
#45
2-Fluorobiphenyl
Concen: 84.672 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	33.4	50.2
170	25.2	23.2	34.8

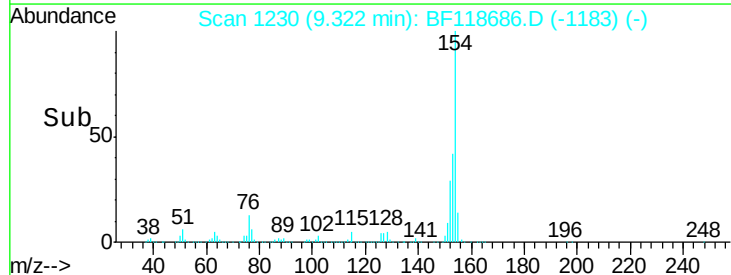
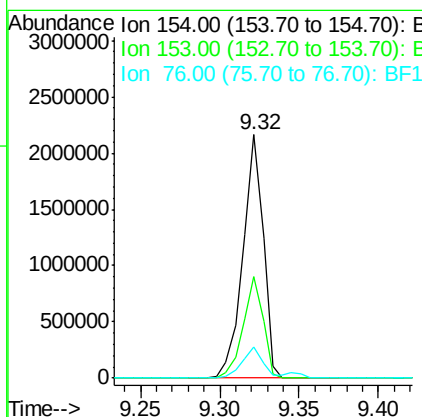
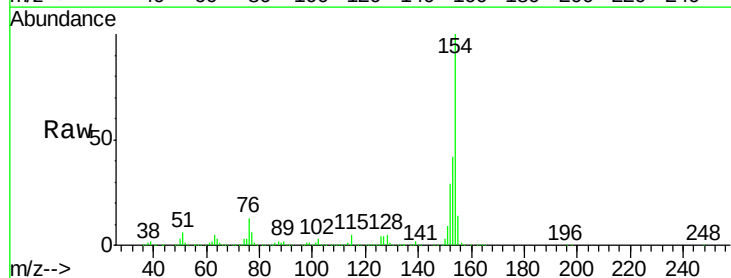
Manual Integrations
APPROVED

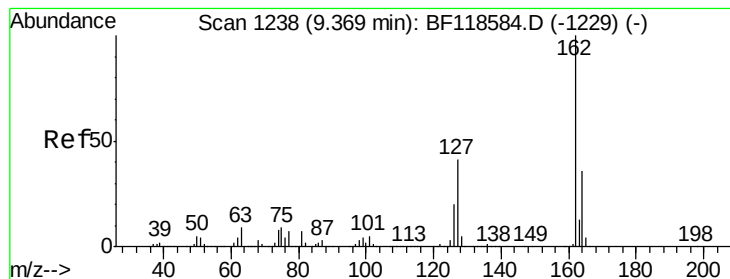
mohammad
1/28/2020 8:12:13 AM



#46
1,1'-Biphenyl
Concen: 50.531 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	23.8	63.8
76	13.0	0.0	34.3





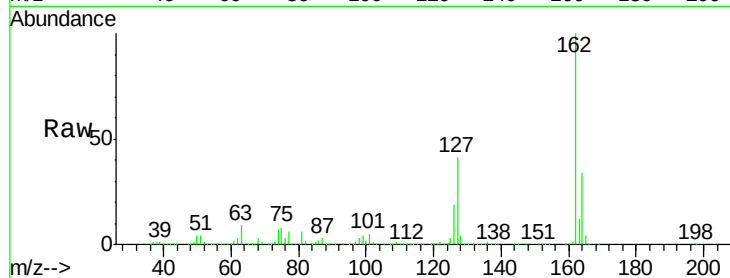
#47
 2-Chloronaphthalene
 Concen: 48.423 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

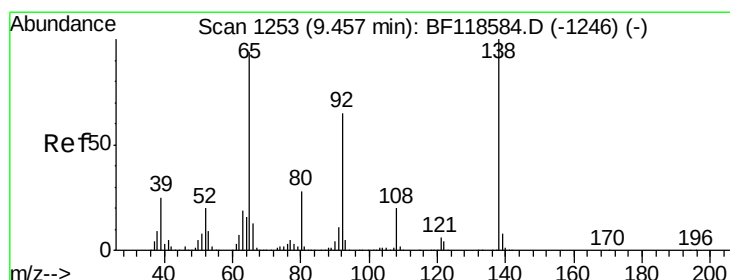
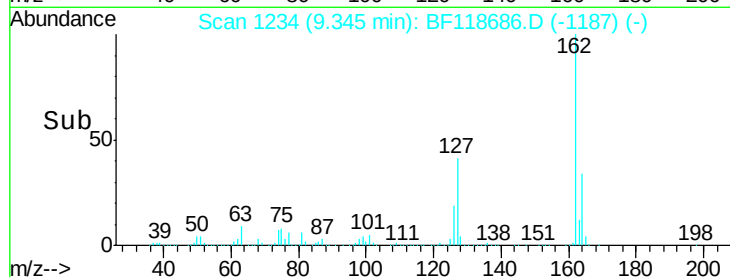
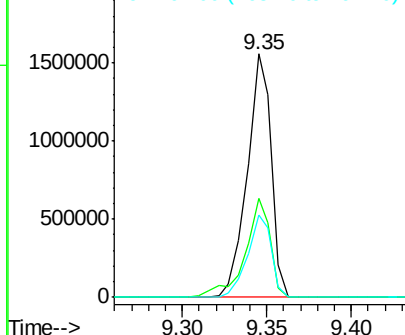
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.0	49.6
164	34.0	28.6	42.8

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:13 AM

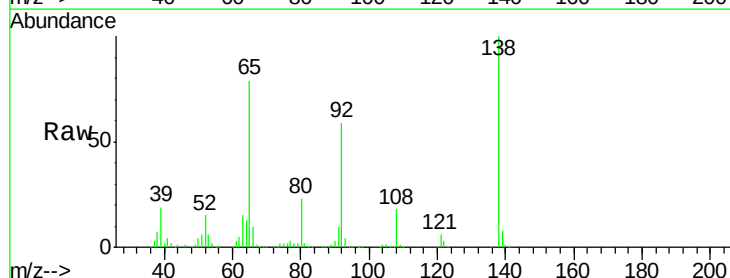


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

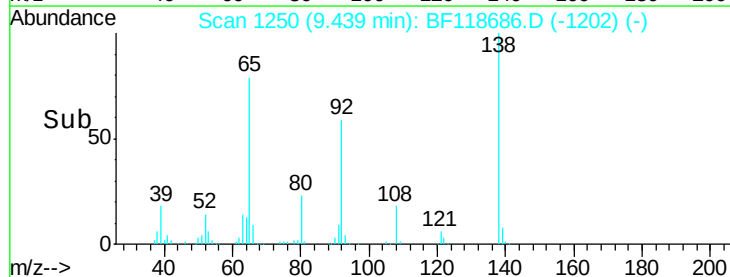
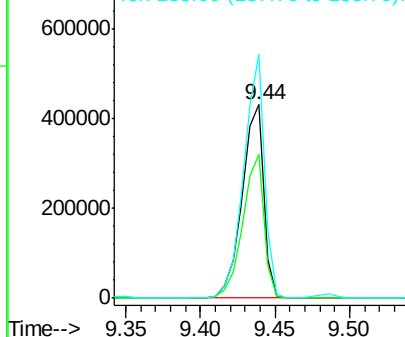


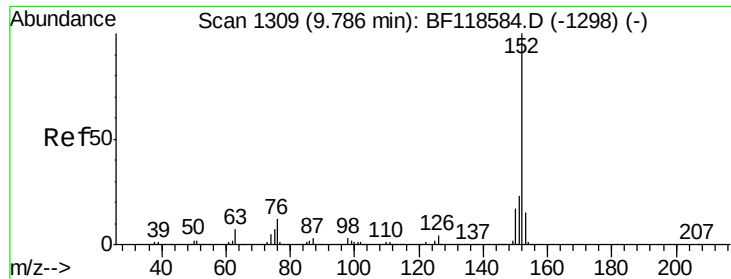
#48
 2-Nitroaniline
 Concen: 44.166 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.7	55.4	83.0
138	126.0	85.0	127.6



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





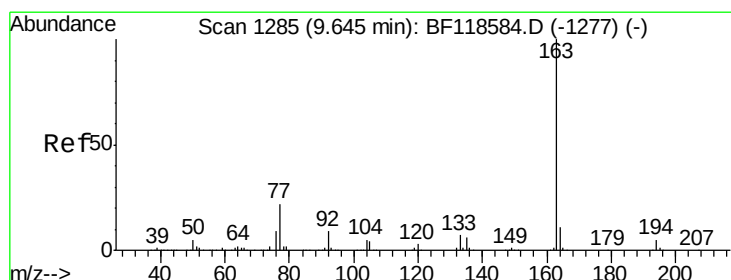
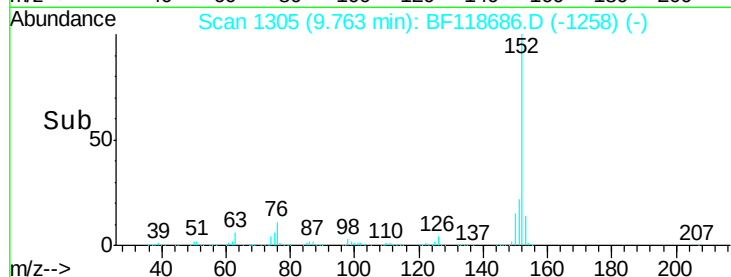
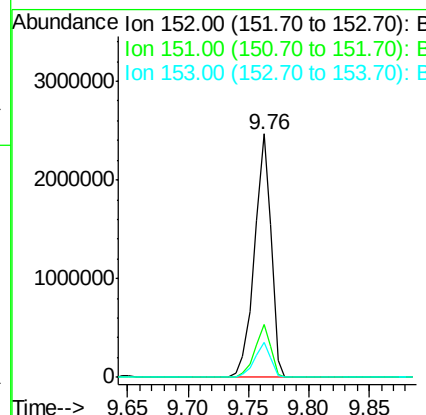
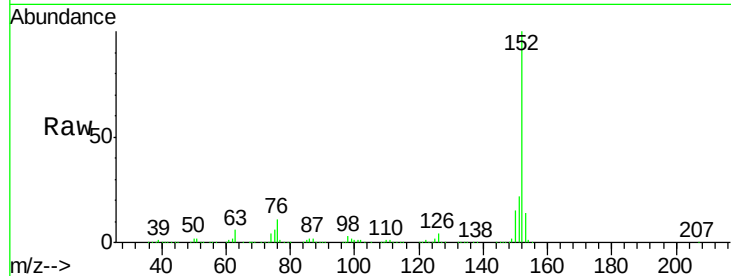
#49
Acenaphthylene
Concen: 52.805 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.6	18.6	27.8
153	14.1	12.2	18.4

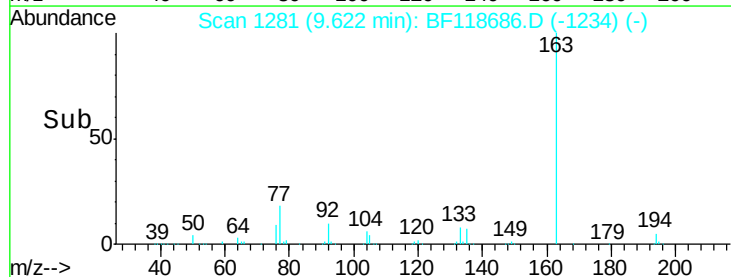
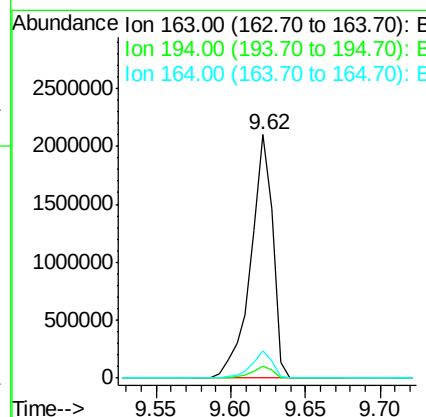
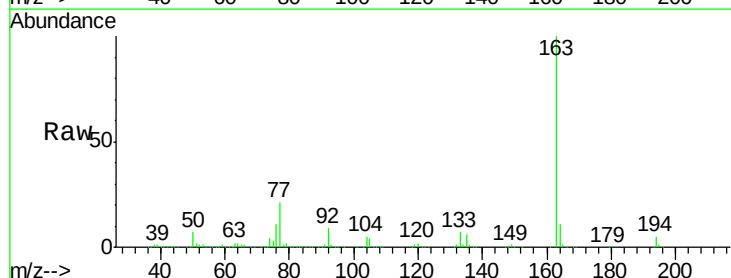
Manual Integrations
APPROVED

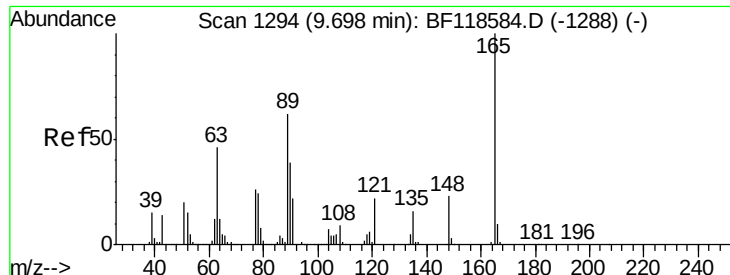
mohammad
1/28/2020 8:12:13 AM



#50
Dimethylphthalate
Concen: 59.379 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.9	5.9
164	11.0	9.1	13.7





#51

2,6-Dinitrotoluene

Concen: 52.655 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

ClientSampleId :

EP-12MSD

Tot Ion:165 Resp: 422095
Ion Ratio Lower Upper

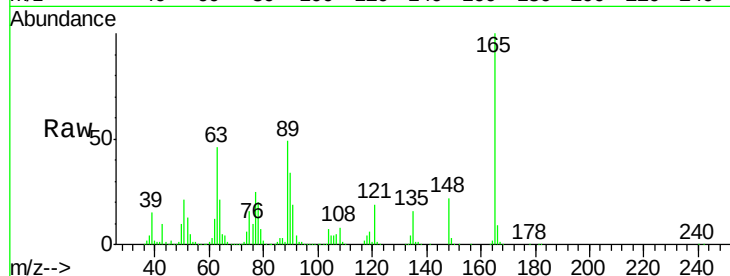
165 100

63 46.1 48.9 73.3#

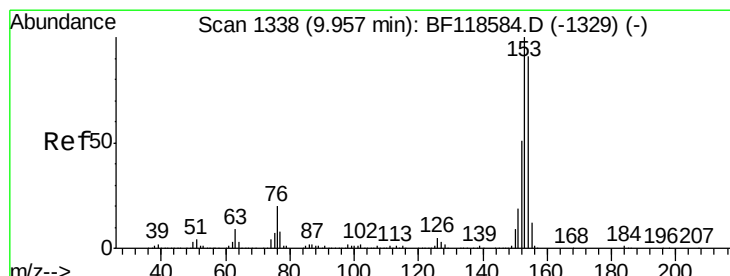
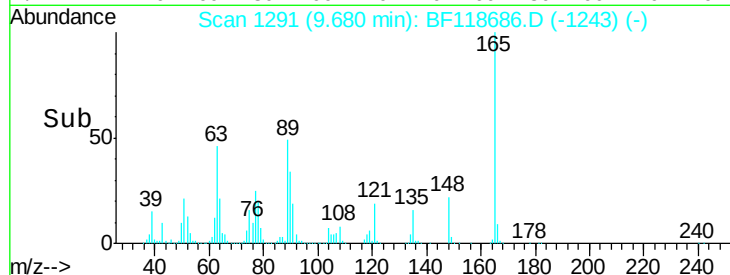
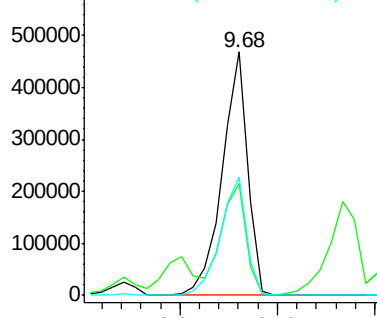
89 48.7 49.8 74.6#

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 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: 52.774 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BF118686.D

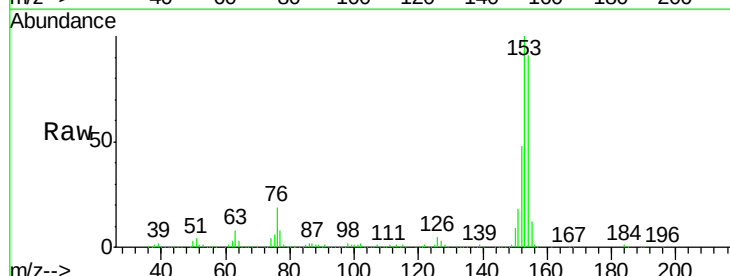
Acq: 24 Jan 2020 15:28

Tgt Ion:154 Resp: 1584589
Ion Ratio Lower Upper

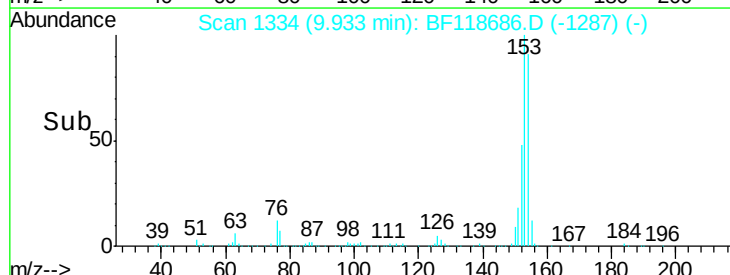
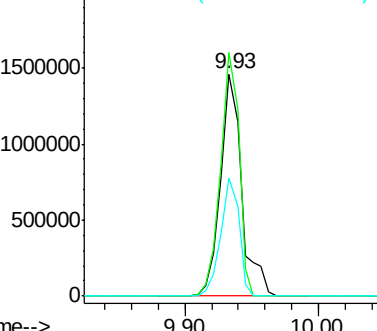
154 100

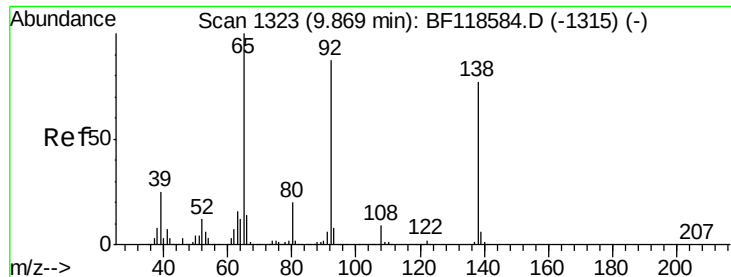
153 109.6 87.6 131.4

152 53.1 44.4 66.6



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





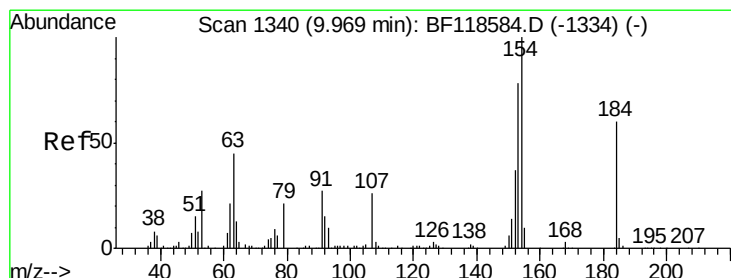
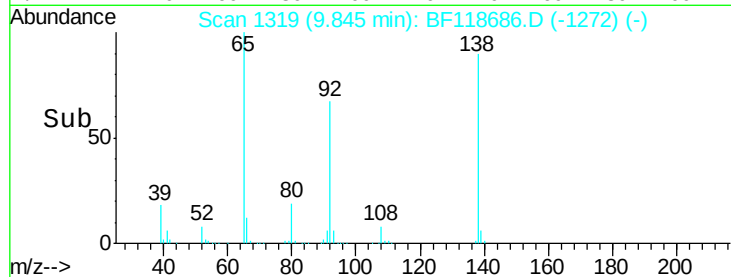
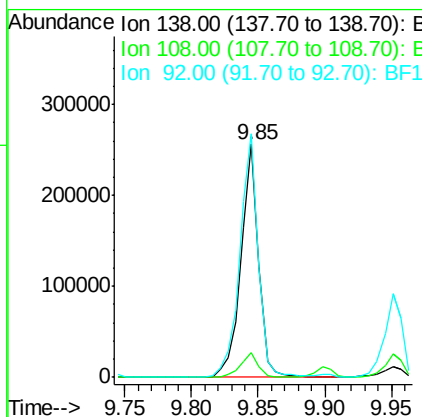
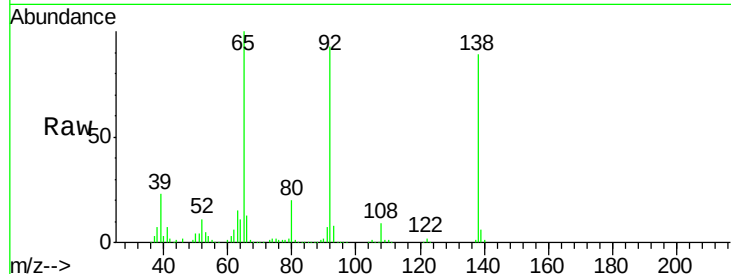
#53
3-Nitroaniline
Concen: 25.832 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	236456		
108	10.4		9.6	14.4
92	104.3		90.6	136.0

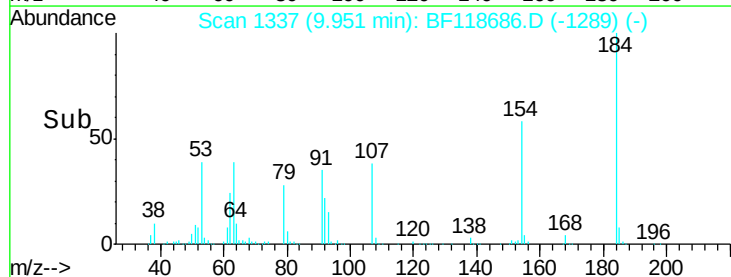
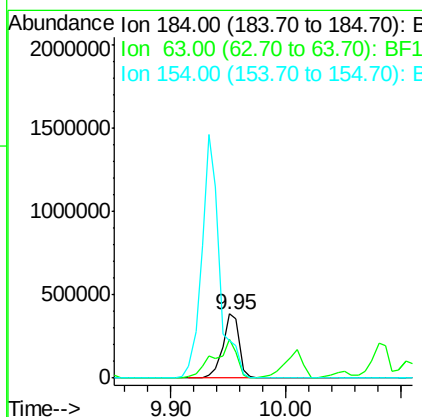
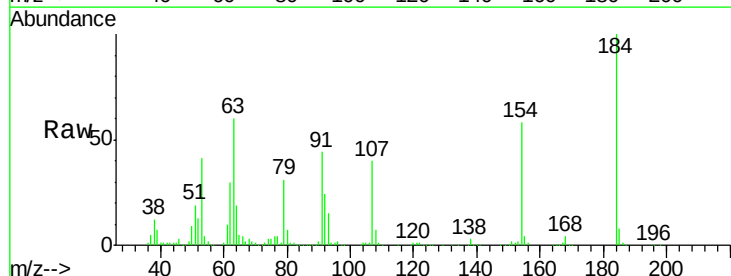
Manual Integrations
APPROVED

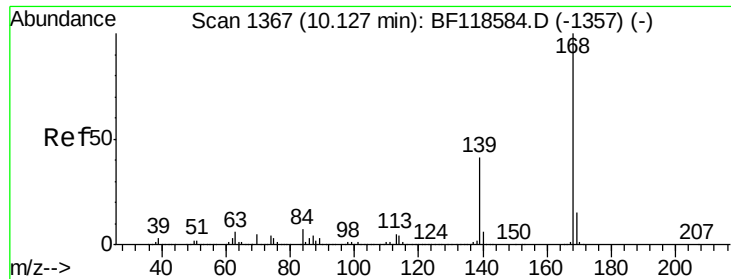
mohammad
1/28/2020 8:12:13 AM



#54
2,4-Dinitrophenol
Concen: 119.575 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	382675		
63	60.0		60.6	90.8#
154	57.8		137.3	205.9#





#55

Dibenzofuran

Concen: 51.392 ng

RT: 10.11 min Scan# 1364

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

ClientSampleId :

EP-12MSD

Tot Ion:168 Resp: 2138447

Ion Ratio Lower Upper

168 100

139 37.2 32.7 49.1

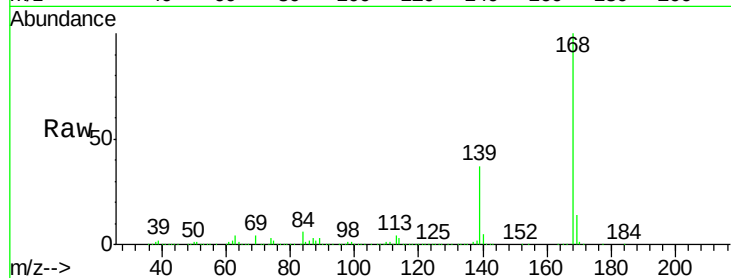
169 13.7 12.2 18.2

Manual Integrations

APPROVED

mohammad

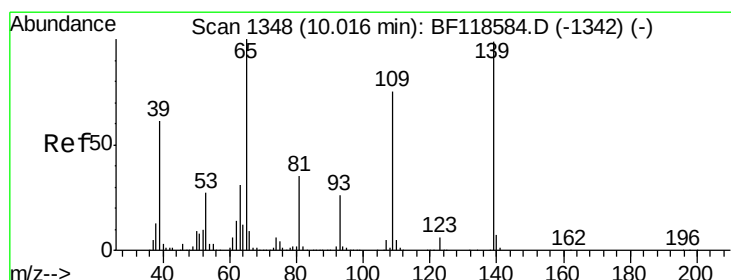
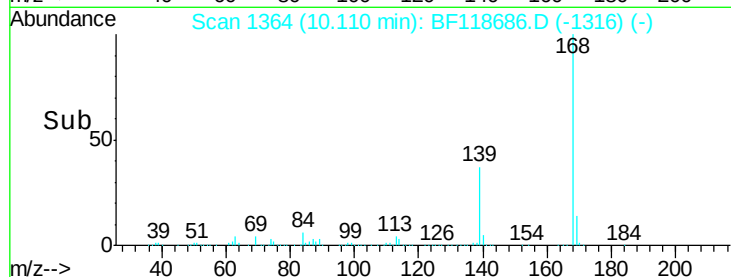
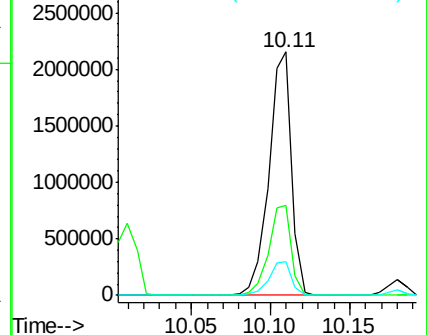
1/28/2020 8:12:13 AM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 103.013 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

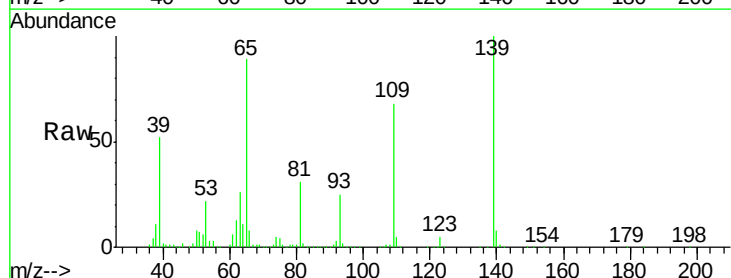
Tgt Ion:139 Resp: 711822

Ion Ratio Lower Upper

139 100

109 67.7 56.0 96.0

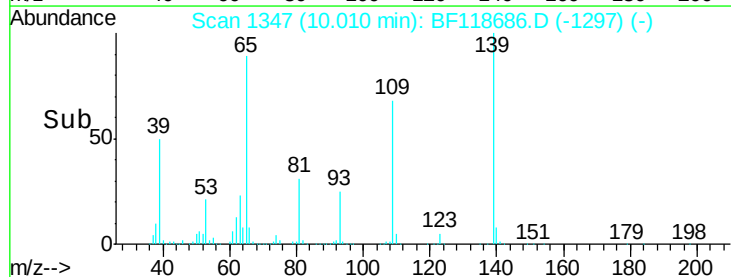
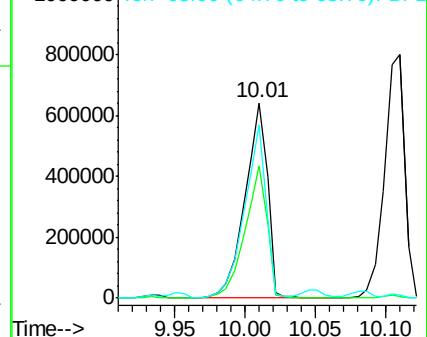
65 88.9 81.4 121.4

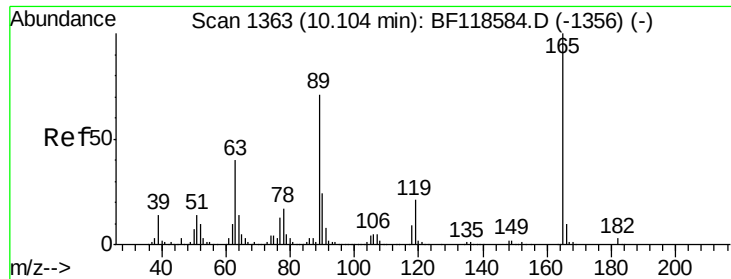


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





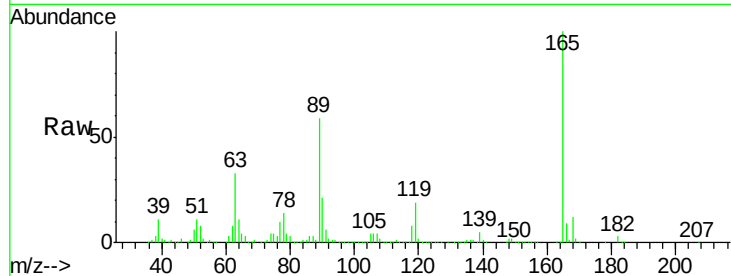
#57
 2,4-Dinitrotoluene
 Concen: 54.968 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

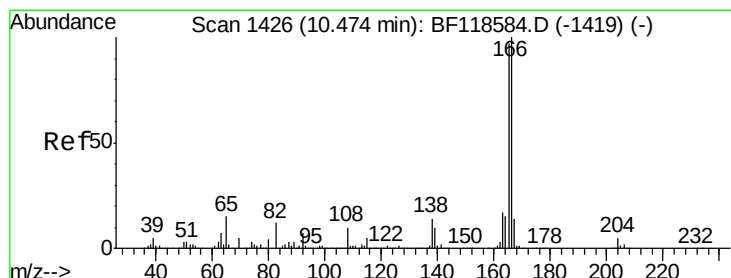
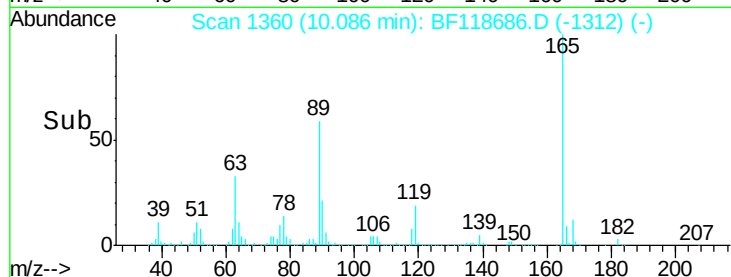
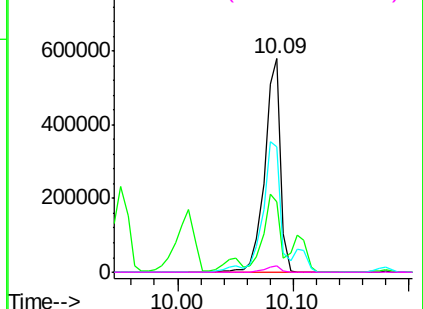
Tot Ion	Ratio	Resp	Lower	Upper
165	100	555490		
63	33.1	32.4	48.6	
89	59.0	56.4	84.6	
182	3.2	2.3	3.5	

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:13 AM

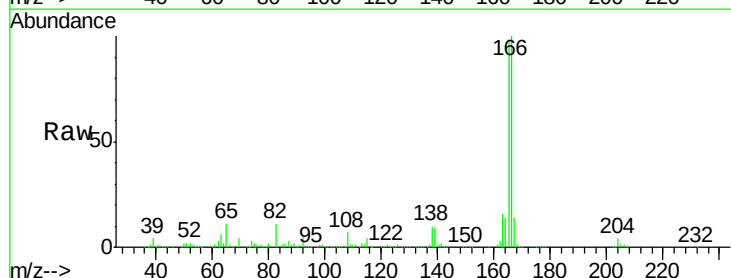


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

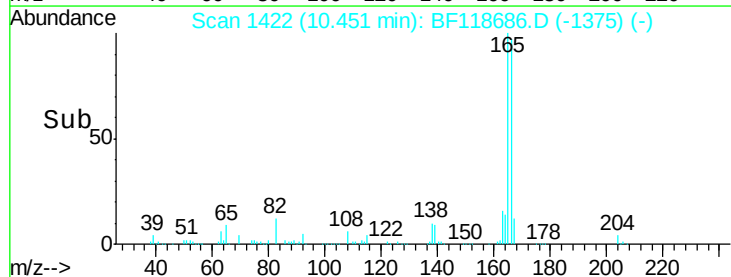
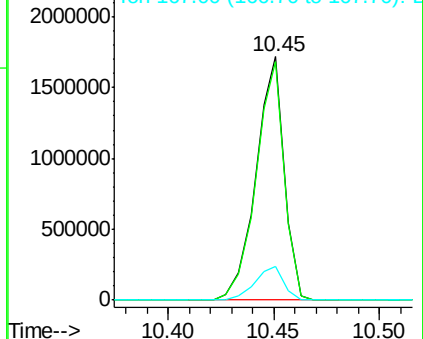


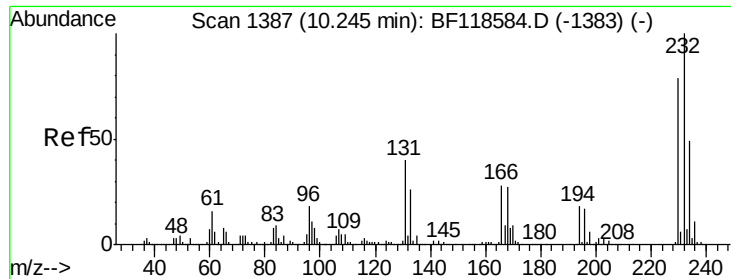
#58
 Fluorene
 Concen: 48.711 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1591198		
165	98.1	77.3	115.9	
167	13.8	11.5	17.3	



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





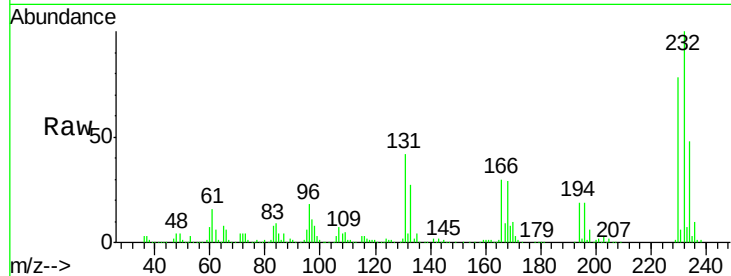
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 50.273 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

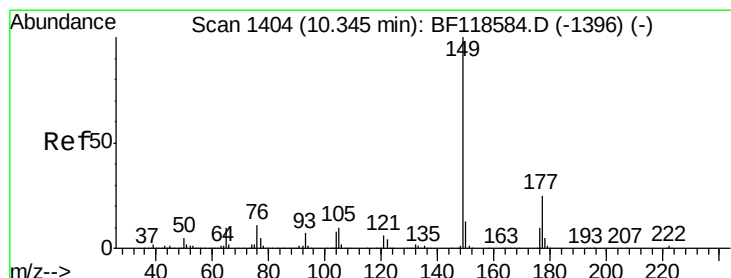
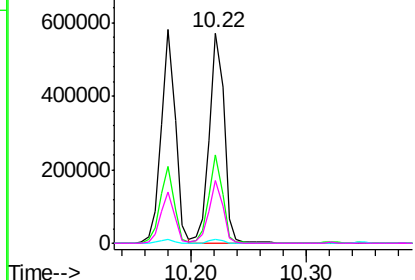
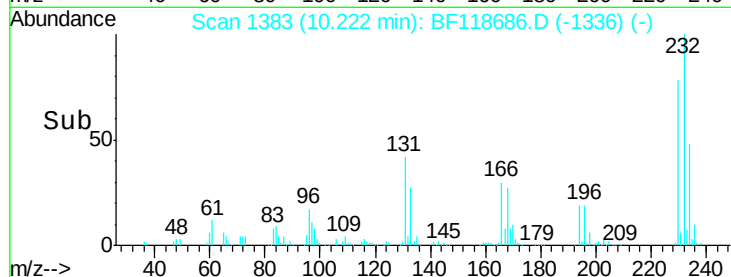
Tot Ion	Ratio	Lower	Upper
232	100		
131	39.0	33.2	49.8
130	1.9	1.8	2.6
166	27.8	22.6	33.8

Manual Integrations
 APPROVED

mohammad
 1/28/2020 8:12:13 AM

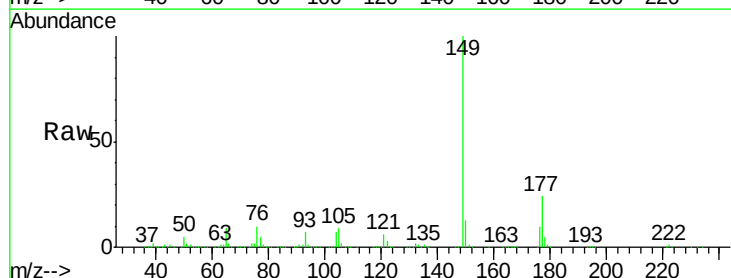


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

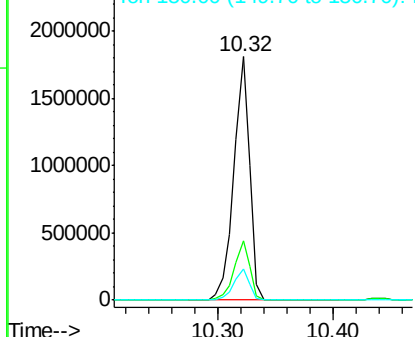
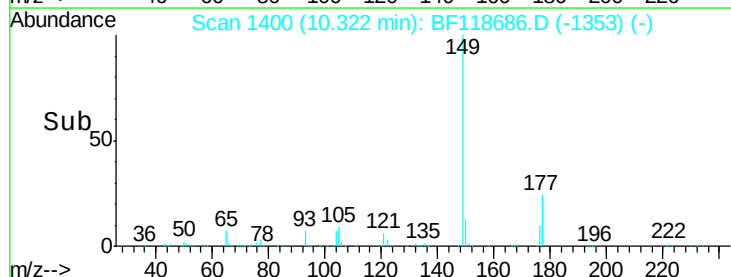


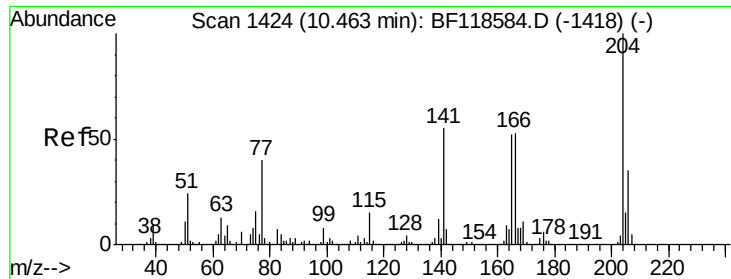
#60
 Diethylphthalate
 Concen: 49.261 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.1	20.0	30.0
150	12.9	10.6	16.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





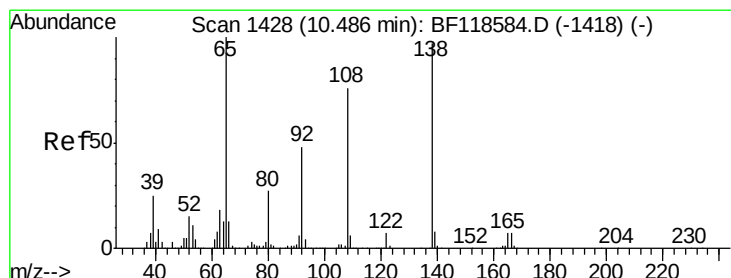
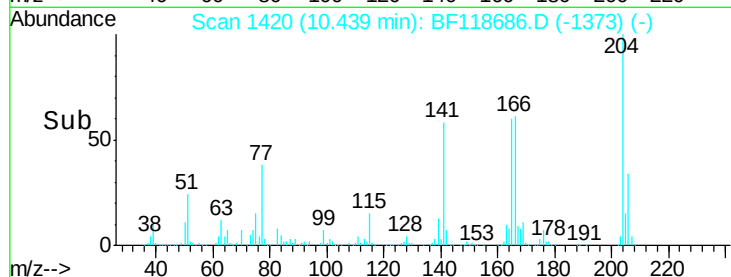
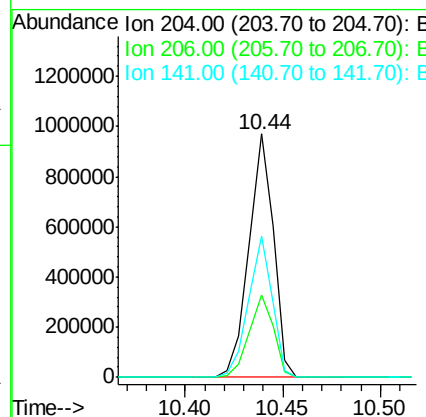
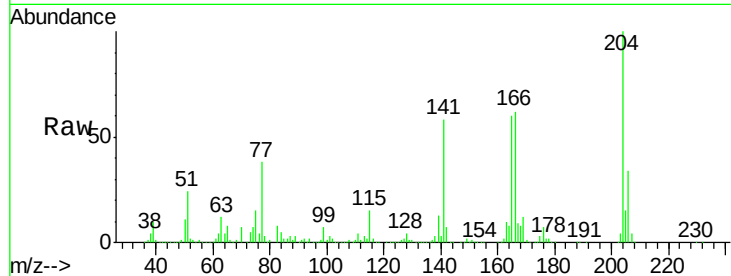
#61
 4-Chlorophenyl-phenylether
 Concen: 47.630 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

Tot Ion:	204	Resp:	846207
Ion Ratio	Lower	Upper	
204	100		
206	34.1	27.8	41.6
141	58.1	43.7	65.5

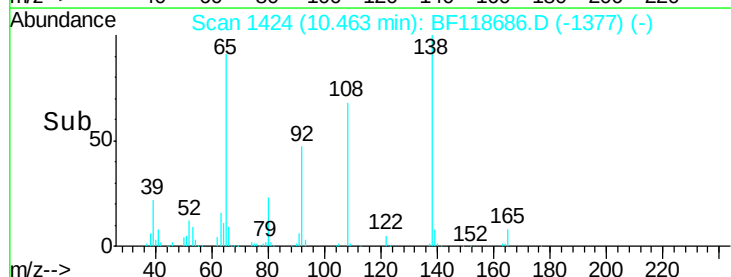
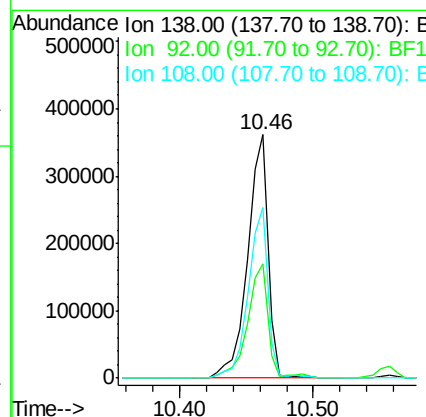
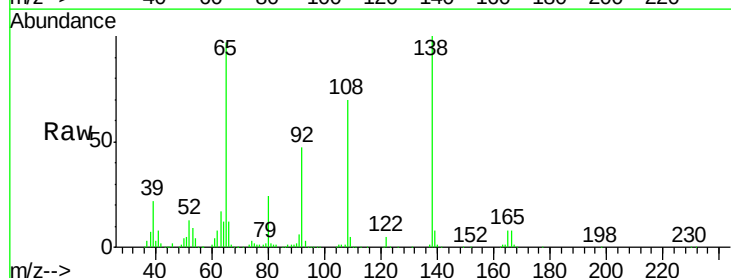
Manual Integrations
 APPROVED

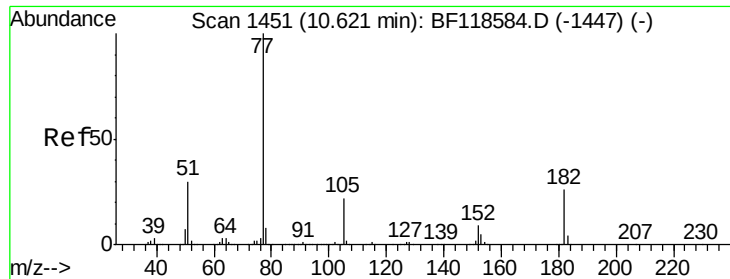
mohammad
 1/28/2020 8:12:13 AM



#62
 4-Nitroaniline
 Concen: 40.477 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion:	138	Resp:	380049
Ion Ratio	Lower	Upper	
138	100		
92	47.2	29.4	69.4
108	70.0	58.2	98.2





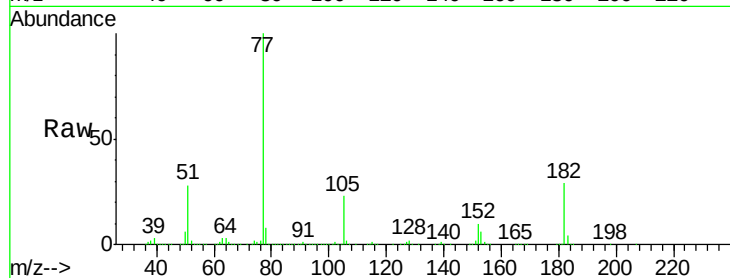
#63
Azobenzene
Concen: 46.687 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	28.8	5.6	45.6	
105	22.8	2.0	42.0	
51	27.8	10.2	50.2	

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



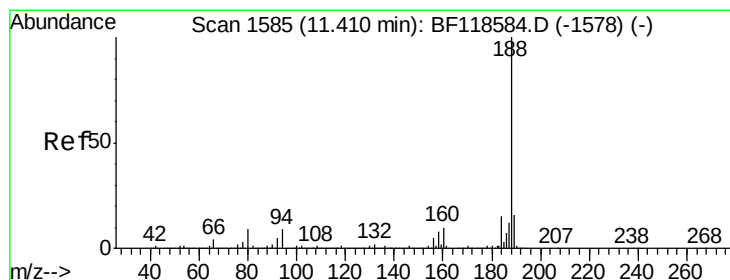
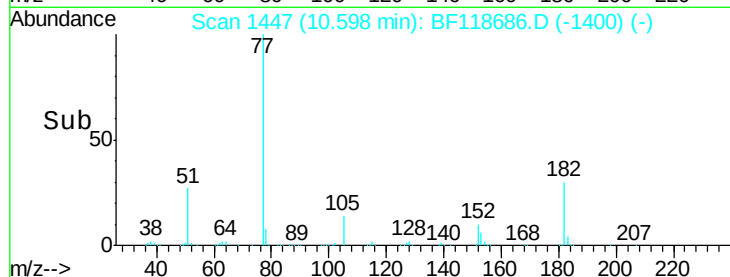
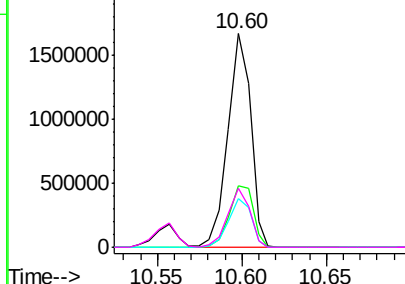
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

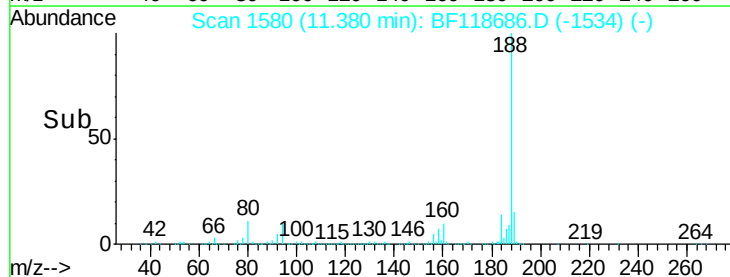
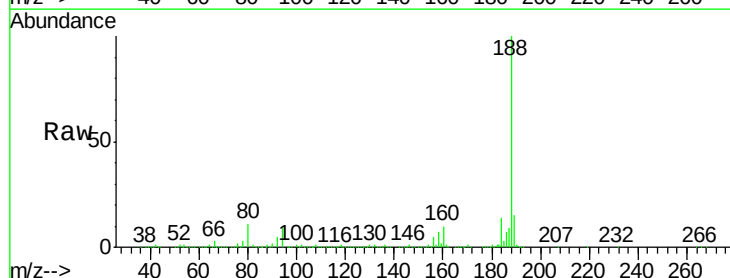
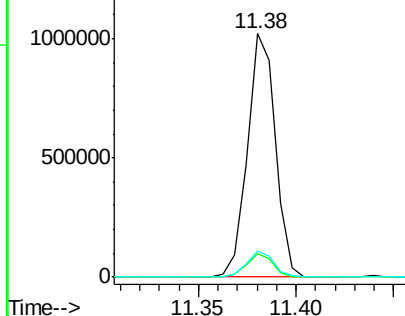
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.6	7.1	10.7	
80	10.8	7.5	11.3	

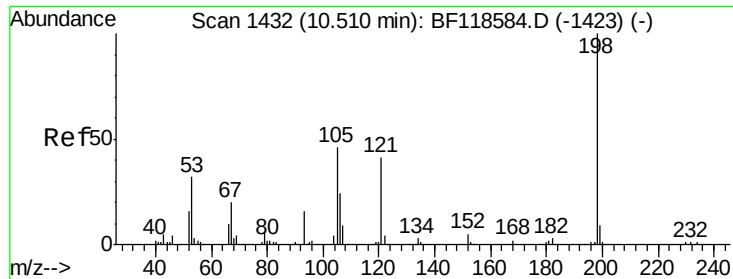
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 62.820 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

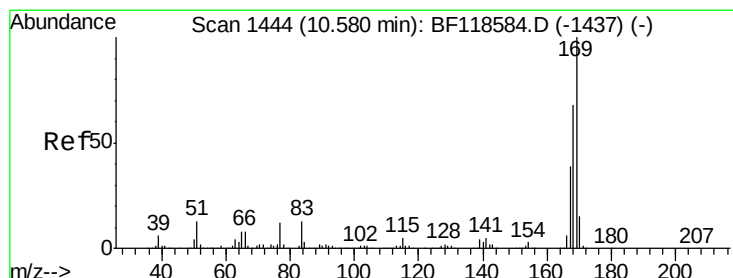
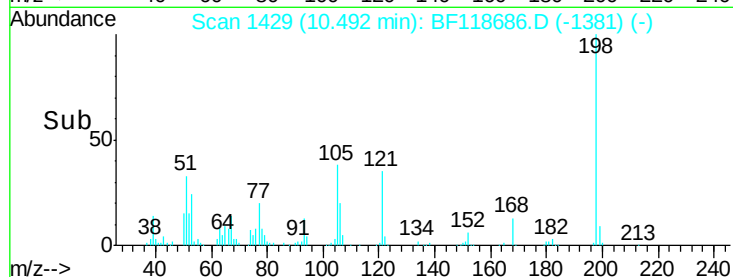
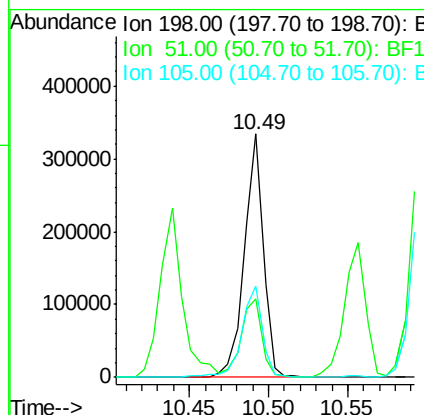
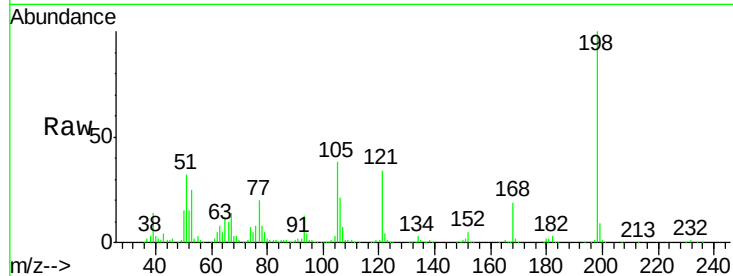
ClientSampleId :

EP-12MSD

Tot Ion:	198	Resp:	278406
Ion Ratio	Lower	Upper	
198	100		
51	32.5	25.2	65.2
105	37.5	26.3	66.3

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



#66

n-Nitrosodiphenylamine

Concen: 49.439 ng

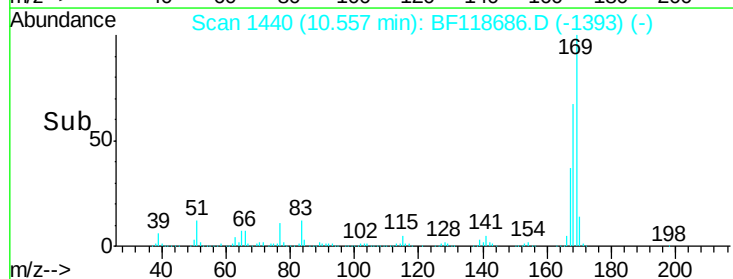
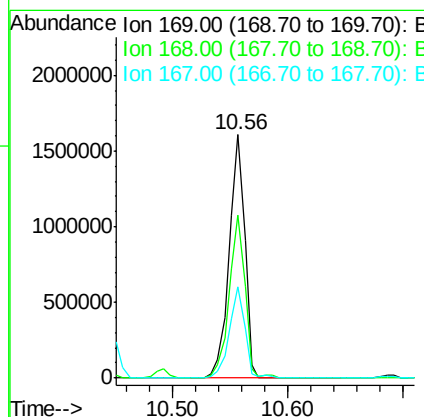
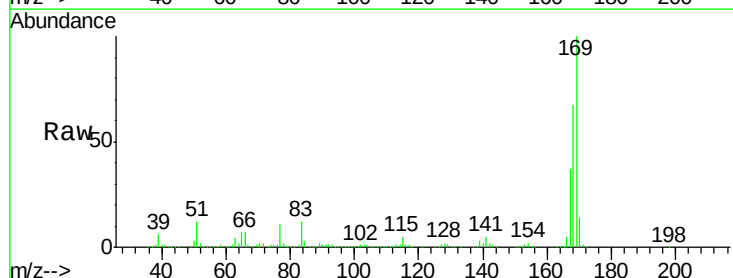
RT: 10.56 min Scan# 1440

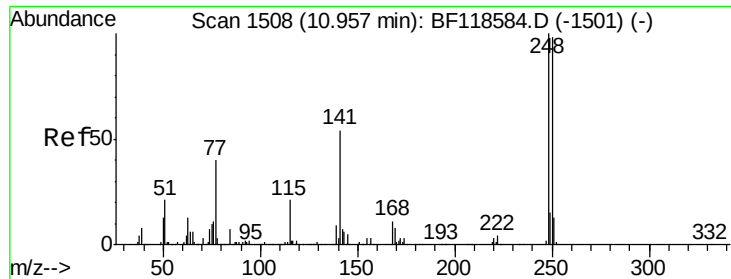
Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tgt Ion:	169	Resp:	1502689
Ion Ratio	Lower	Upper	
169	100		
168	67.2	54.6	82.0
167	37.4	30.9	46.3





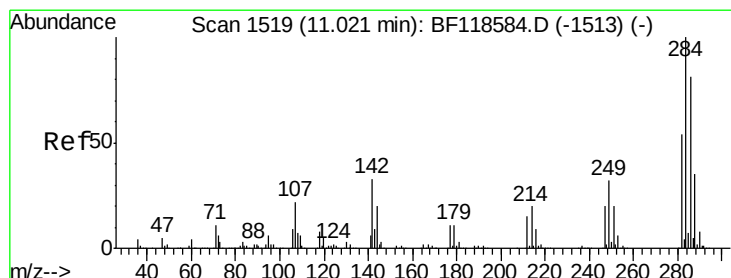
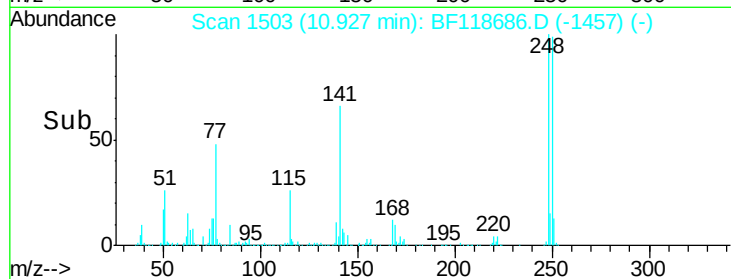
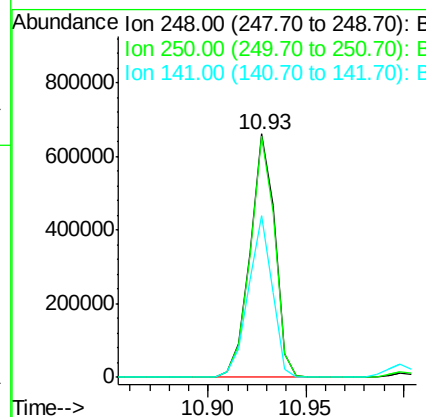
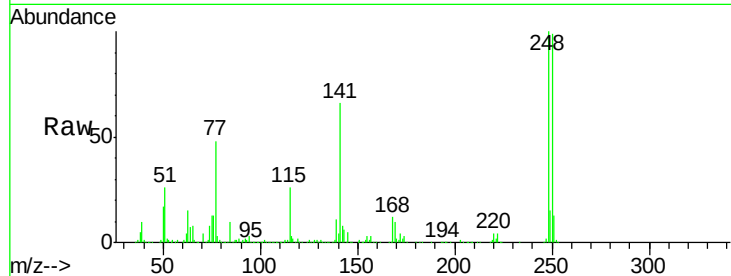
#67
4-Bromophenyl-phenylether
Concen: 46.619 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.03 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.9	78.7	118.1
141	66.4	43.2	64.8

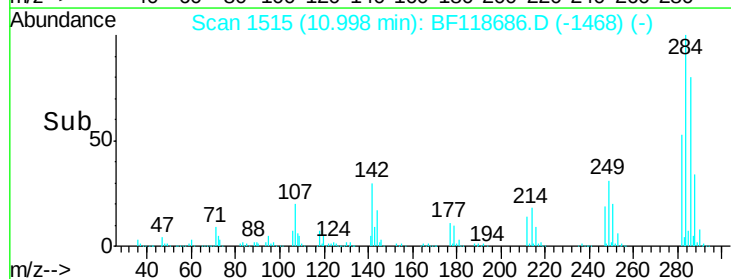
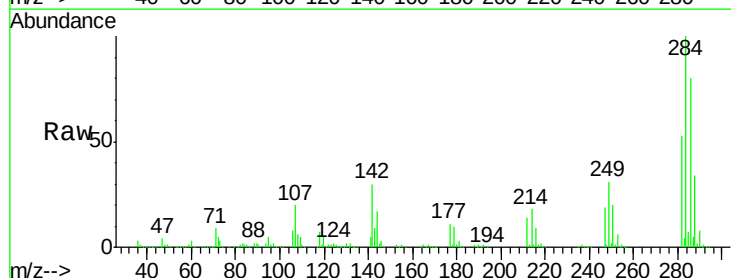
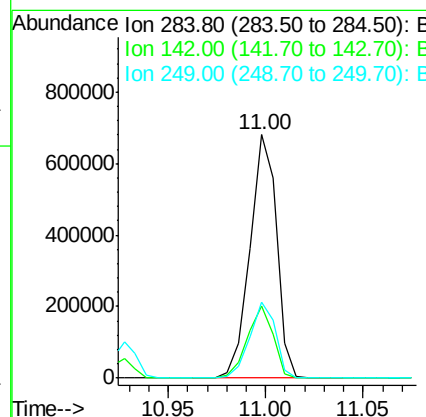
Manual Integrations
APPROVED

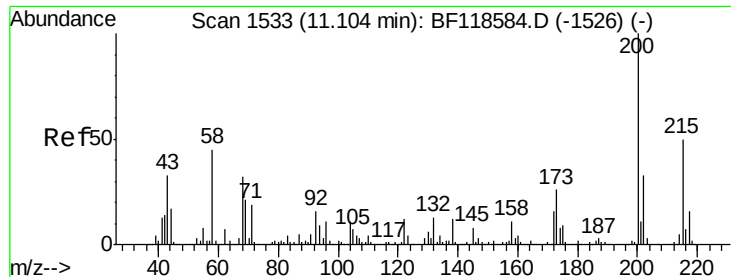
mohammad
1/28/2020 8:12:13 AM



#68
Hexachlorobenzene
Concen: 45.603 ng
RT: 11.00 min Scan# 1515
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.8	26.6	39.8
249	31.2	25.2	37.8





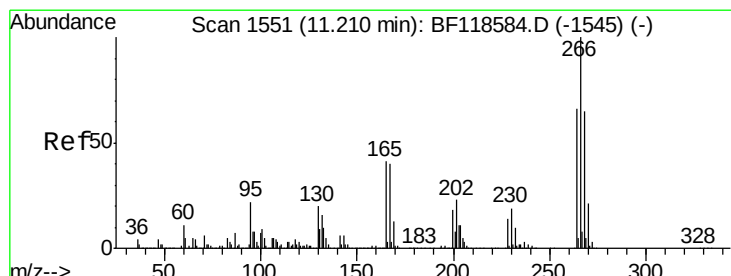
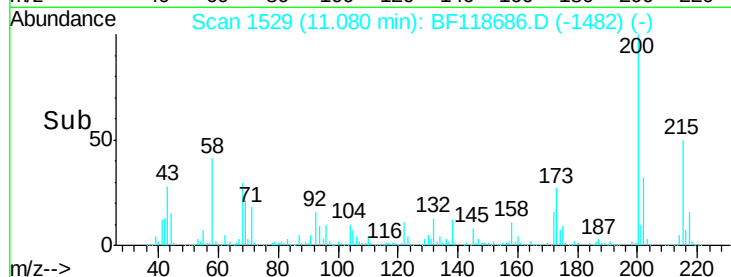
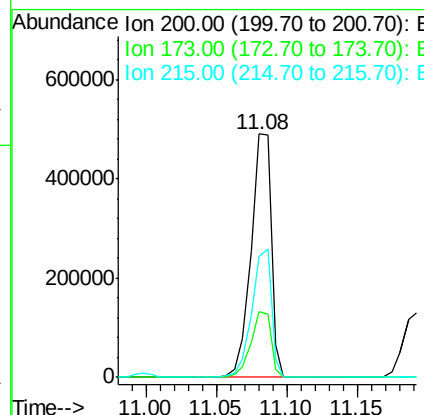
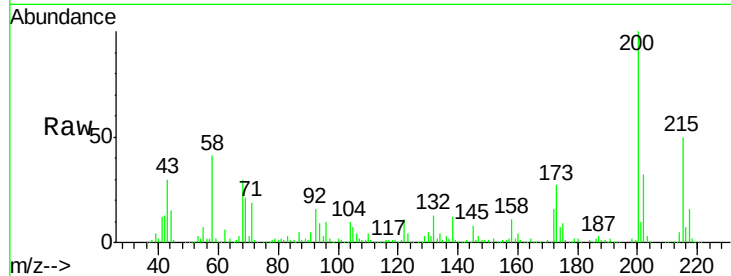
#69
Atrazine
Concen: 47.074 ng
RT: 11.08 min Scan# 1529
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.1	6.3	46.3
215	49.8	30.2	70.2

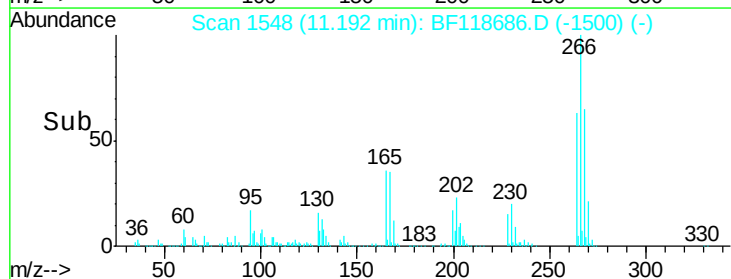
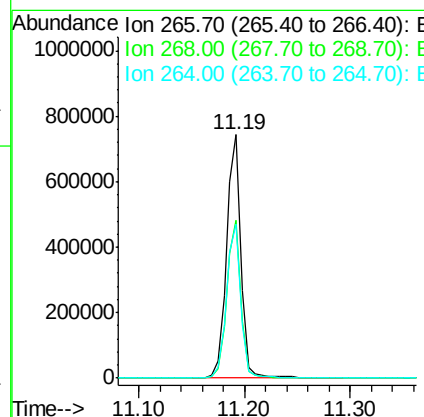
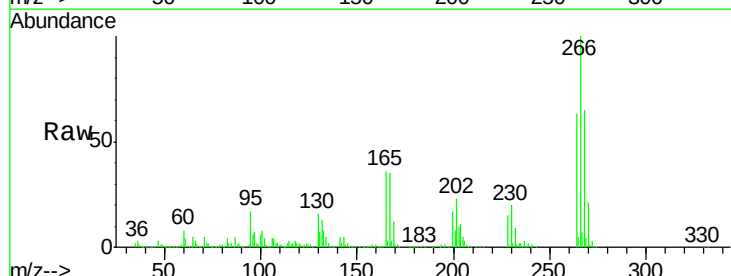
Manual Integrations
APPROVED

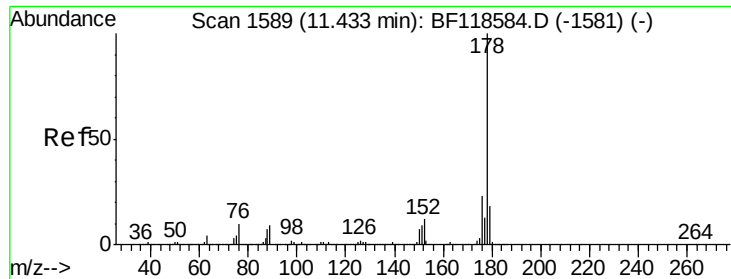
mohammad
1/28/2020 8:12:13 AM



#70
Pentachlorophenol
Concen: 90.638 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	64.7	52.1	78.1
264	63.2	52.4	78.6





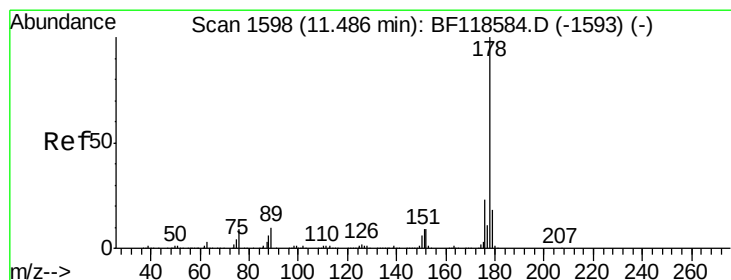
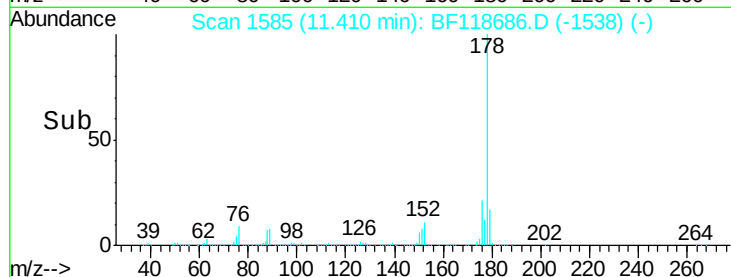
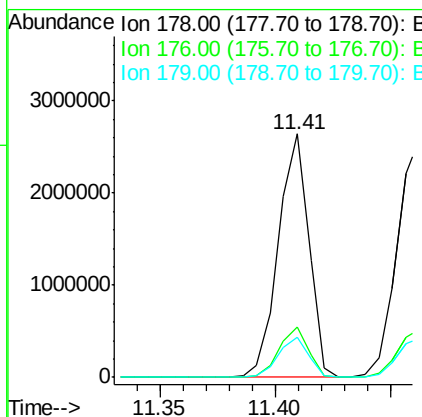
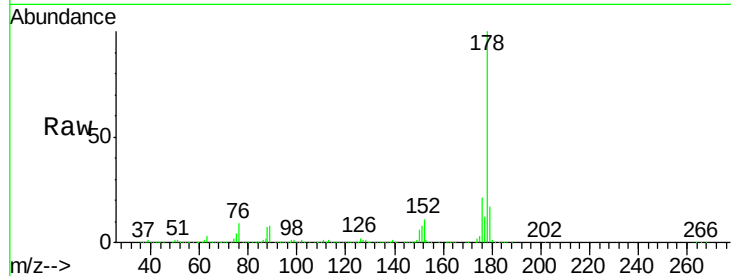
#71
Phenanthrene
Concen: 49.608 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion:178 Resp: 2412145
Ion Ratio Lower Upper
178 100
176 20.7 18.6 27.8
179 16.6 14.7 22.1

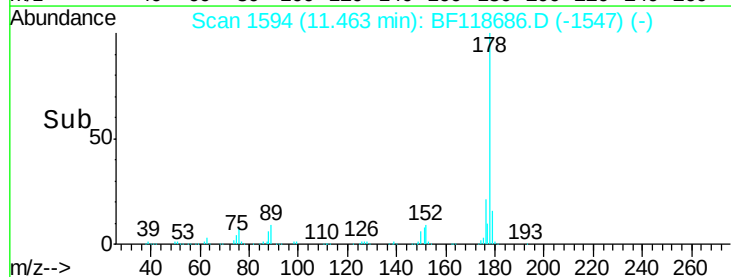
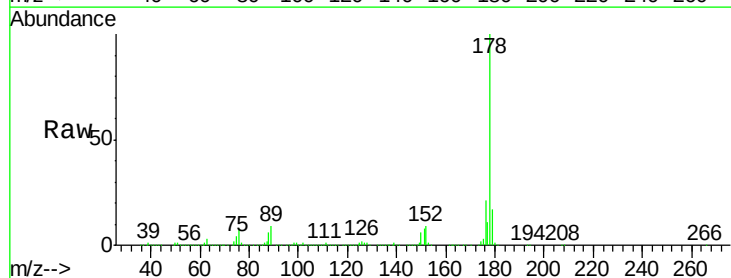
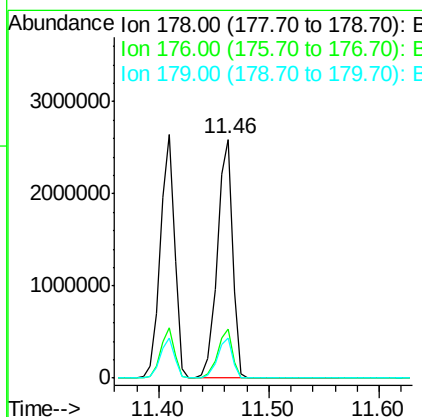
Manual Integrations
APPROVED

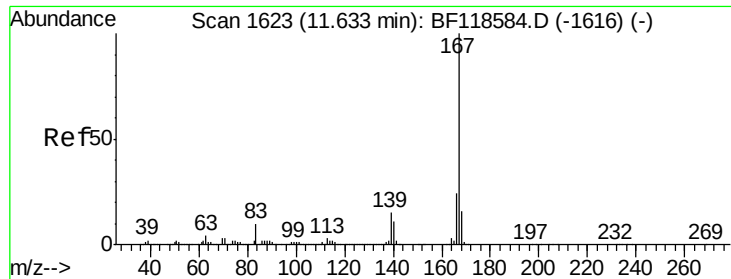
mohammad
1/28/2020 8:12:13 AM



#72
Anthracene
Concen: 51.559 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.02 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion:178 Resp: 2480638
Ion Ratio Lower Upper
178 100
176 20.5 18.0 27.0
179 16.5 14.7 22.1





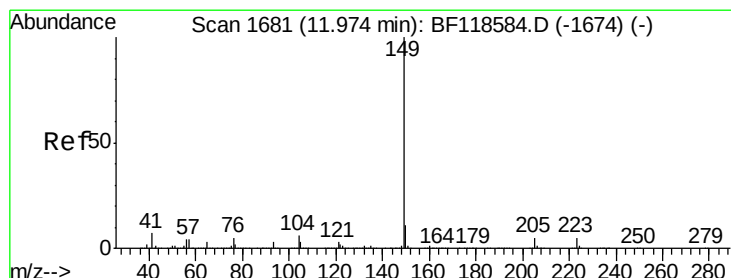
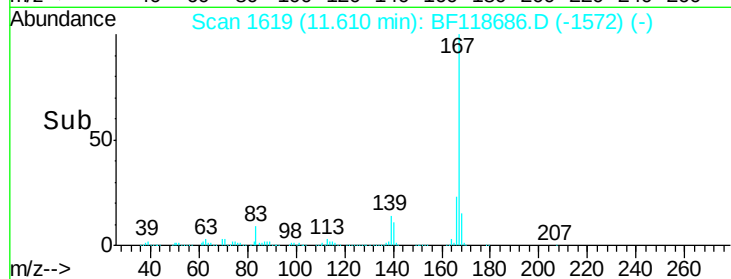
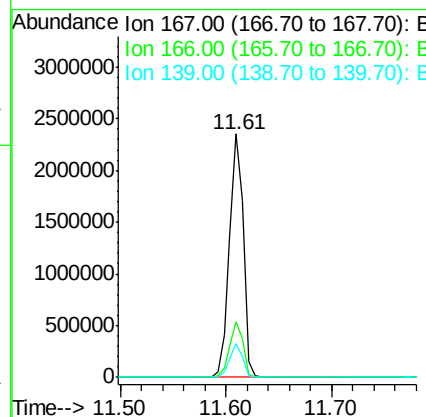
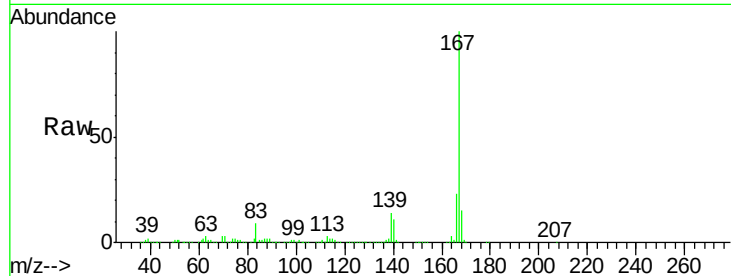
#73
 Carbazole
 Concen: 48.777 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	19.4	29.2
139	13.7	11.7	17.5

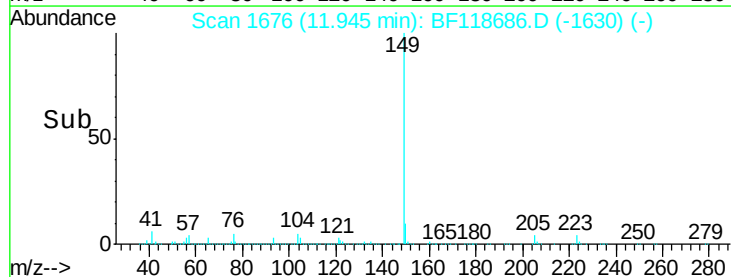
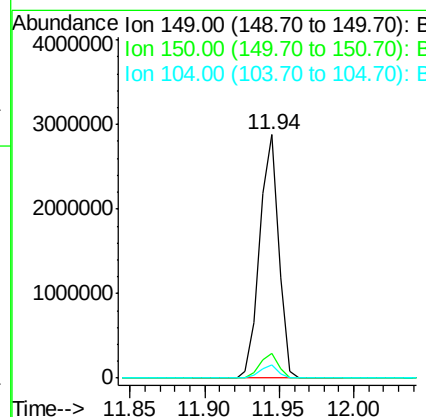
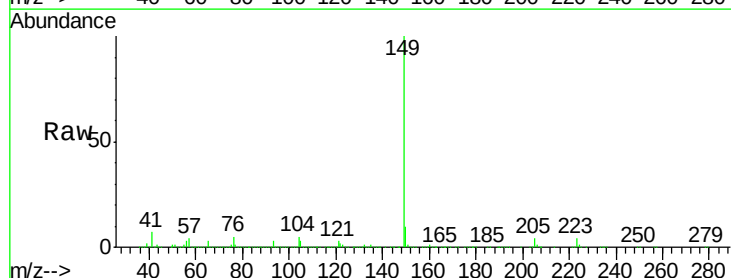
Manual Integrations
 APPROVED

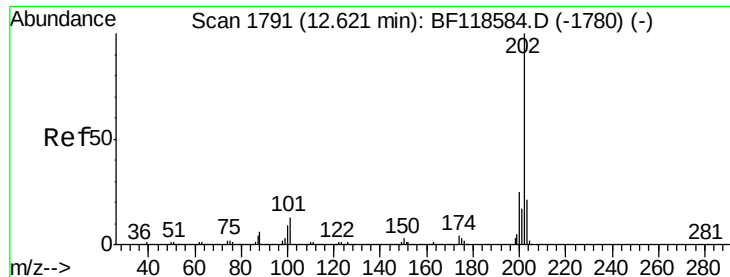
mohammad
 1/28/2020 8:12:13 AM



#74
 Di-n-butylphthalate
 Concen: 50.908 ng
 RT: 11.94 min Scan# 1676
 Delta R.T. -0.03 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	8.7	13.1
104	5.2	4.6	6.8





#75

Fluoranthene

Concen: 51.034 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.03 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

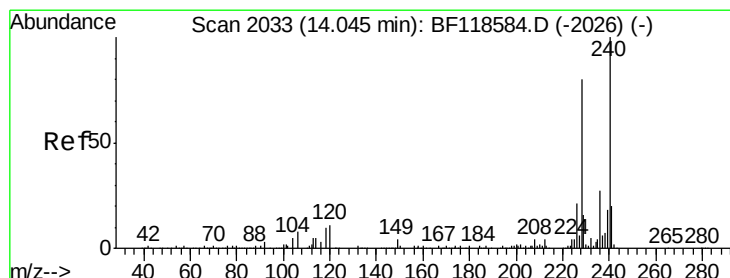
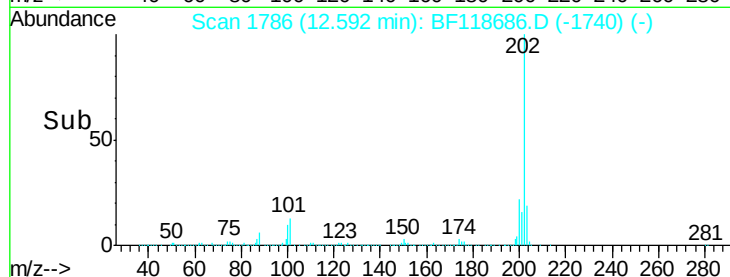
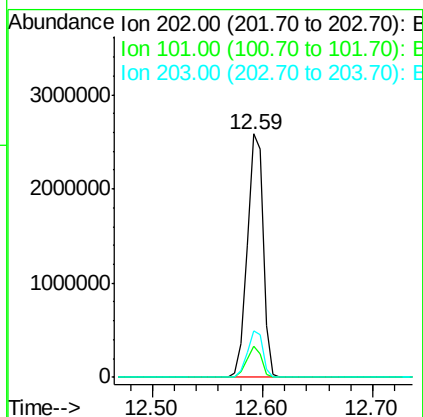
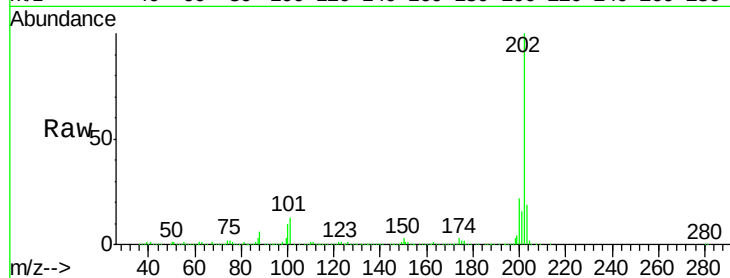
ClientSampleId :

EP-12MSD

Tot Ion:	202	Resp:	2617212
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	32.5
203	19.2	0.8	40.8

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM



#76

Chrysene-d12

Concen: 20.000 ng

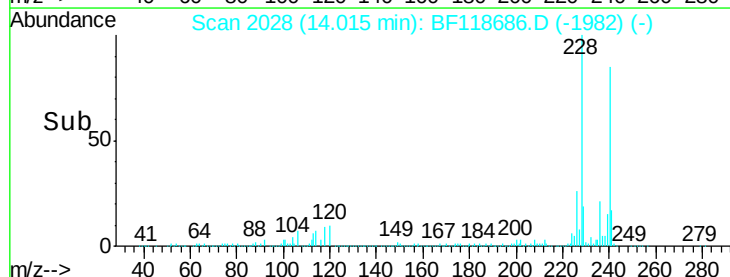
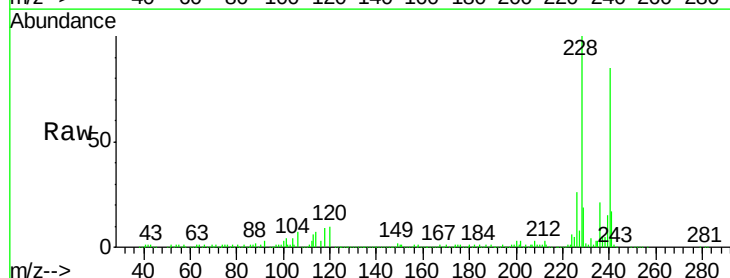
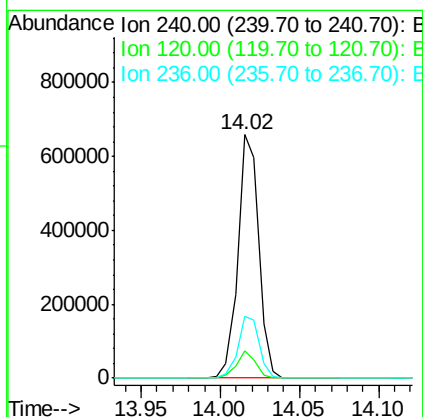
RT: 14.02 min Scan# 2028

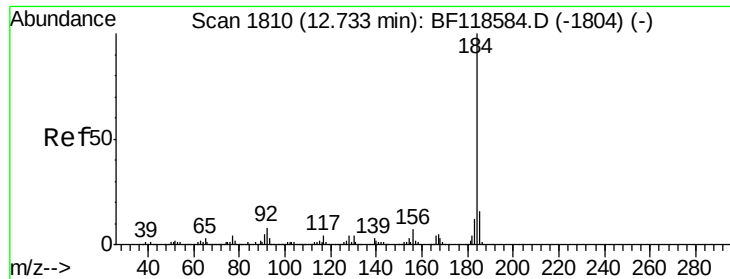
Delta R.T. -0.03 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Tgt Ion:	240	Resp:	600016
Ion Ratio	Lower	Upper	
240	100		
120	11.3	8.9	13.3
236	25.3	21.5	32.3





#77

Benzidine

Concen: 72.848 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

Instrument :

BNA_F

ClientSampleId :

EP-12MSD

Tot Ion:184 Resp: 1167901

Ion Ratio Lower Upper

184 100

185 15.0 12.9 19.3

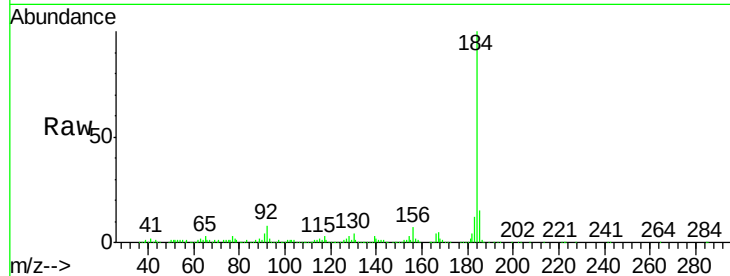
183 12.0 9.6 14.4

Manual Integrations

APPROVED

mohammad

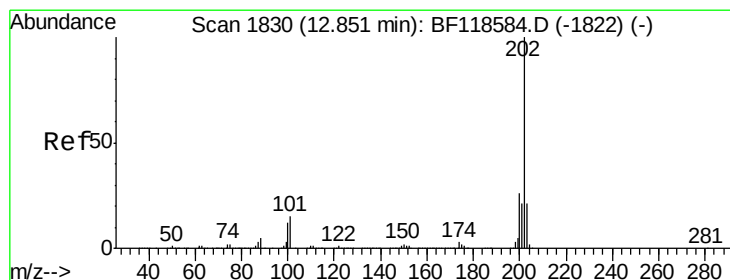
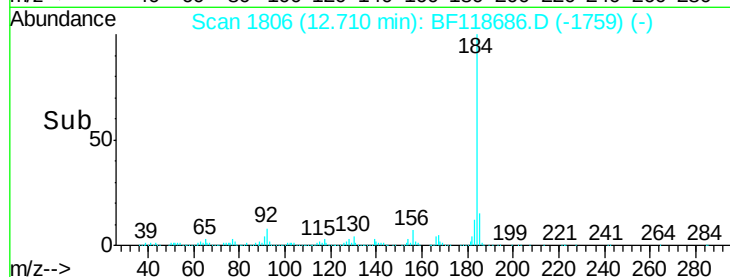
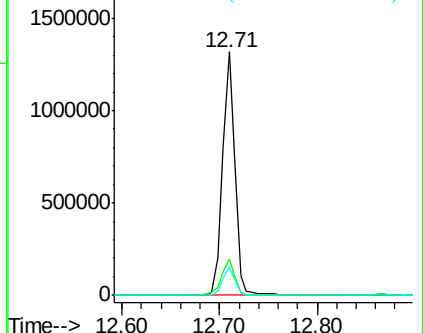
1/28/2020 8:12:13 AM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 63.827 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF118686.D

Acq: 24 Jan 2020 15:28

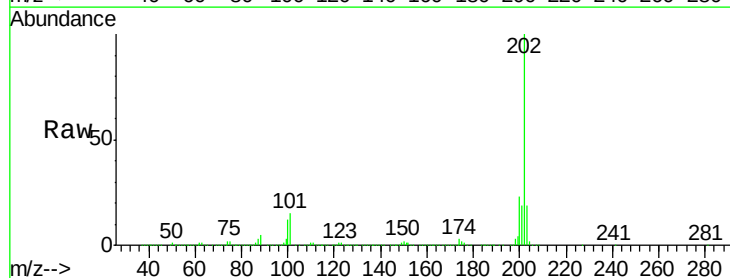
Tgt Ion:202 Resp: 2600035

Ion Ratio Lower Upper

202 100

200 22.8 20.6 31.0

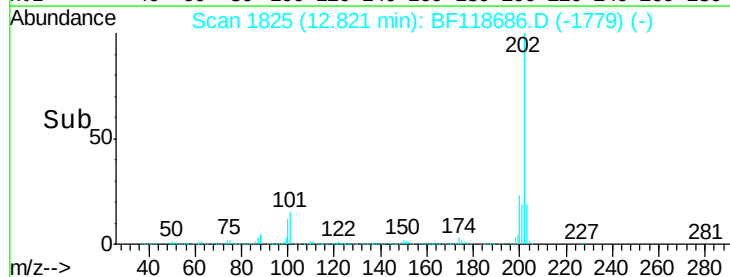
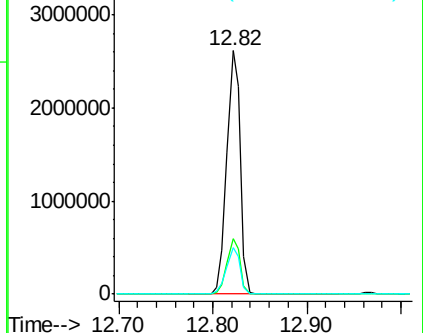
203 19.0 16.8 25.2

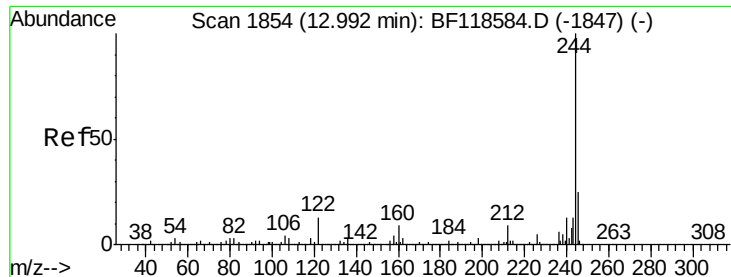


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





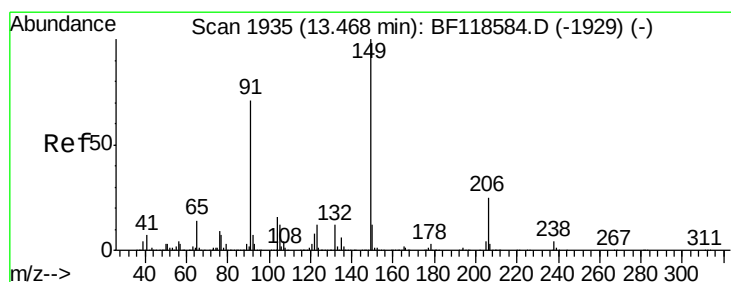
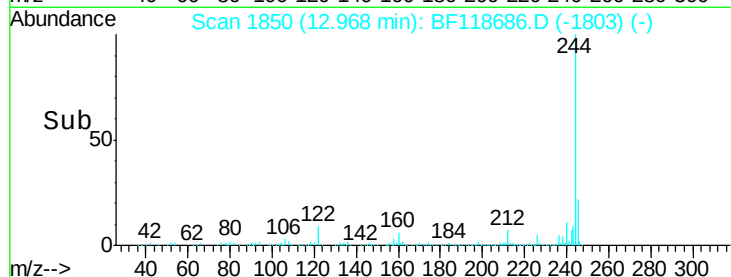
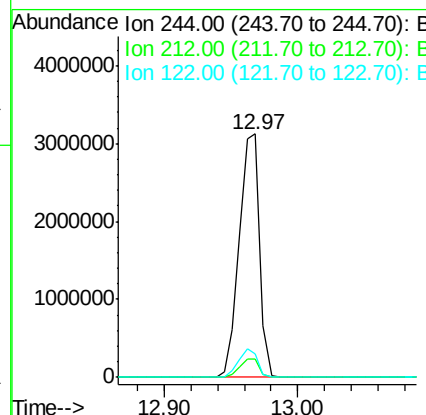
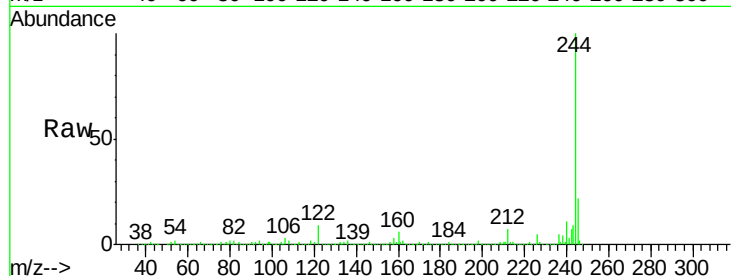
#79
 Terphenyl-d14
 Concen: 121.590 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.02 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	7.0	10.4
122	9.5	10.7	16.1#

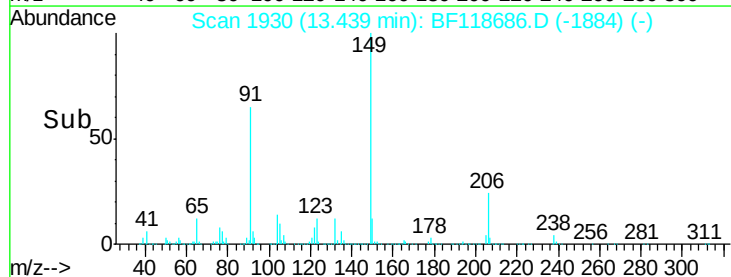
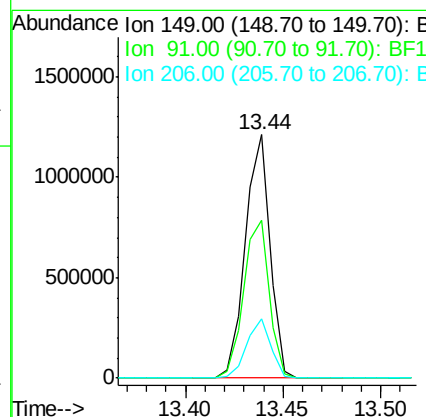
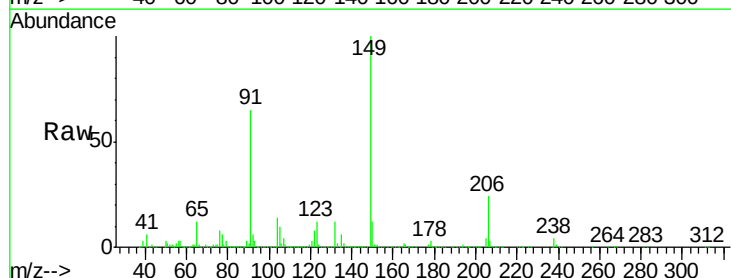
Manual Integrations
 APPROVED

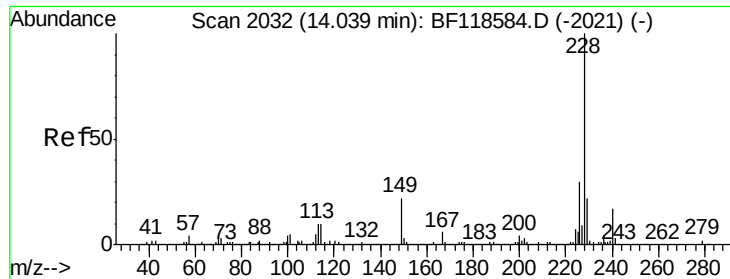
mohammad
 1/28/2020 8:12:13 AM



#80
 Butylbenzylphthalate
 Concen: 63.774 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. -0.03 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.8	56.5	84.7
206	24.4	19.9	29.9





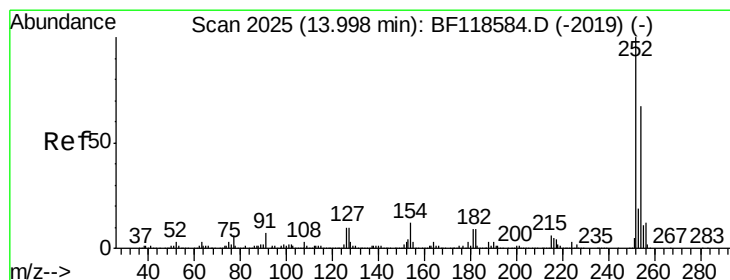
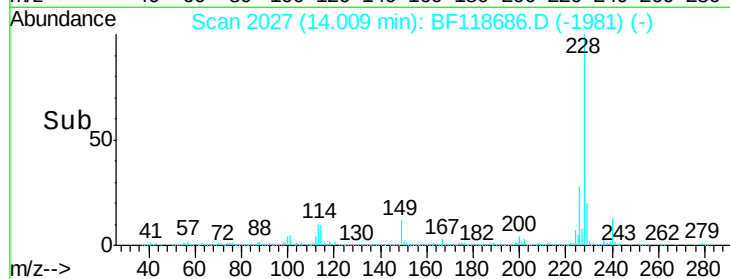
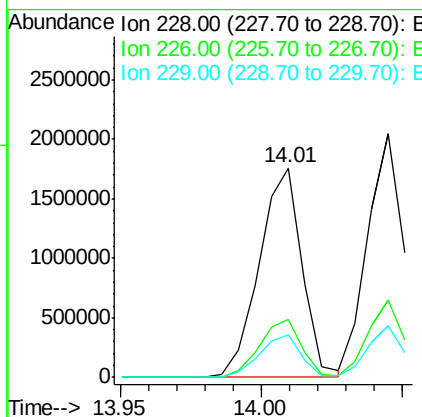
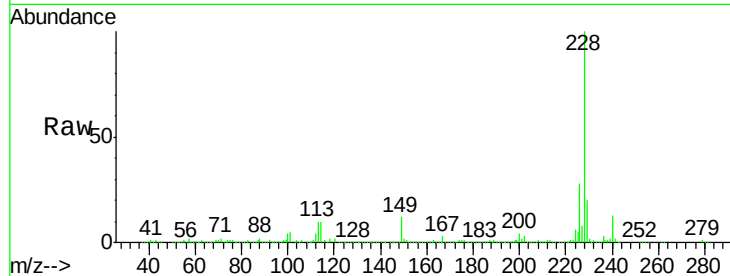
#81
Benzo(a)anthracene
Concen: 51.143 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampled :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.1	36.1
229	20.4	17.6	26.4

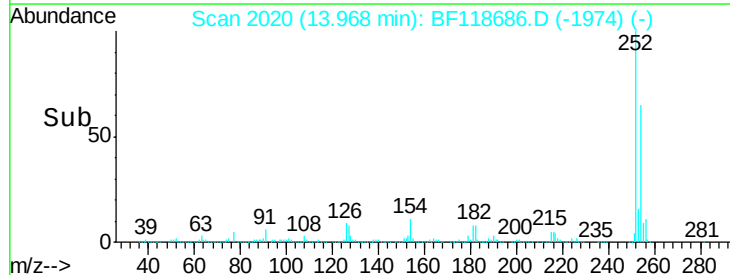
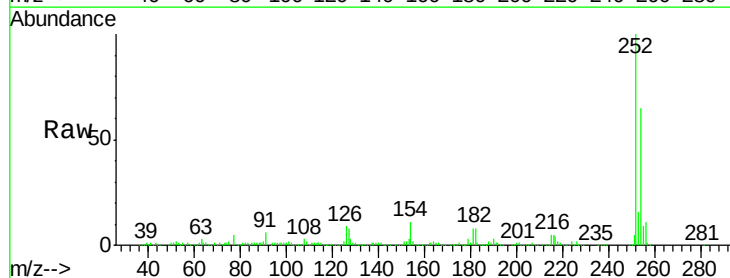
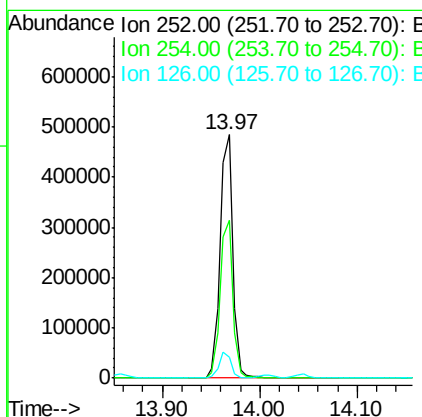
Manual Integrations
APPROVED

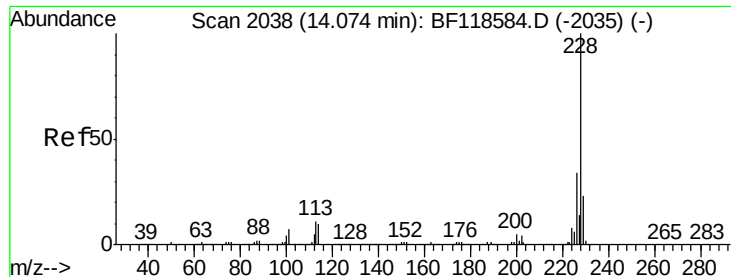
mohammad
1/28/2020 8:12:13 AM



#82
3,3'-Dichlorobenzidine
Concen: 34.412 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.8	53.4	80.2
126	8.6	8.0	12.0





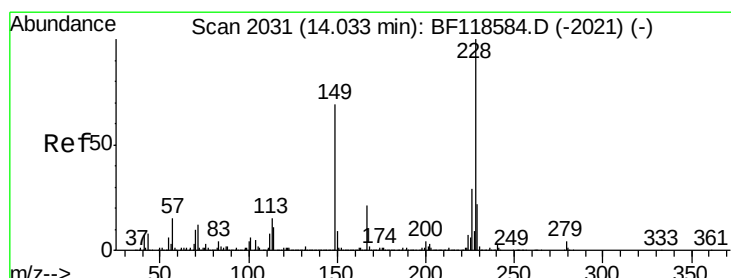
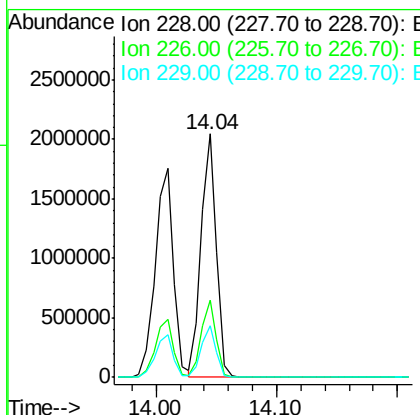
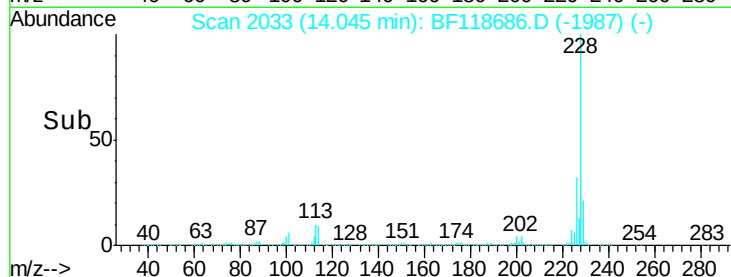
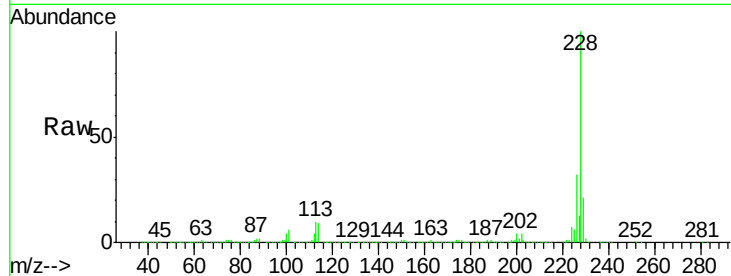
#83
 Chrysene
 Concen: 51.946 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.03 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 EP-12MSD

Tot Ion:228 Resp: 1796961
 Ion Ratio Lower Upper
 228 100
 226 31.6 27.4 41.0
 229 21.0 18.3 27.5

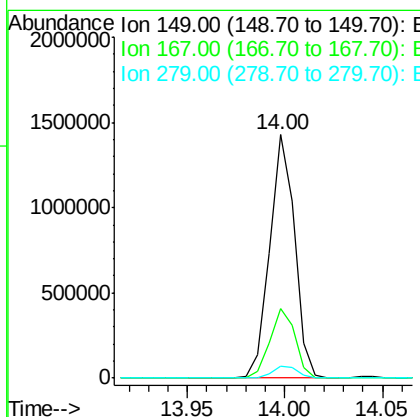
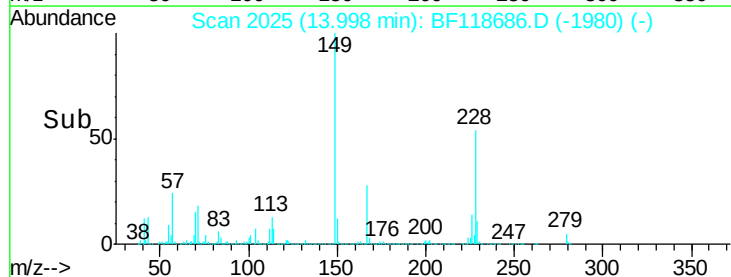
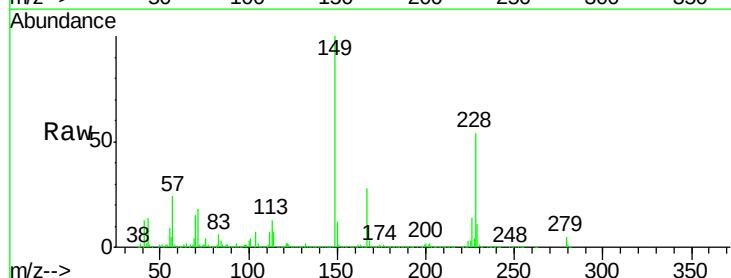
Manual Integrations
 APPROVED

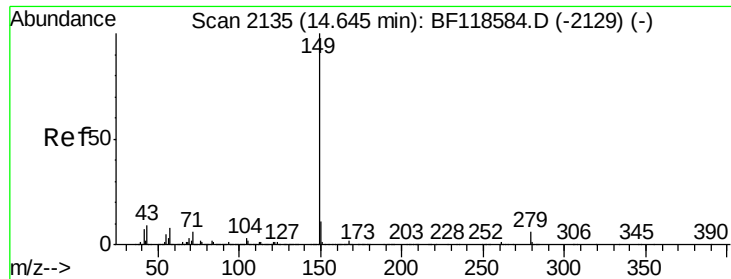
mohammad
 1/28/2020 8:12:13 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 61.897 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.04 min
 Lab File: BF118686.D
 Acq: 24 Jan 2020 15:28

Tgt Ion:149 Resp: 1260715
 Ion Ratio Lower Upper
 149 100
 167 28.5 24.2 36.4
 279 5.1 5.0 7.4





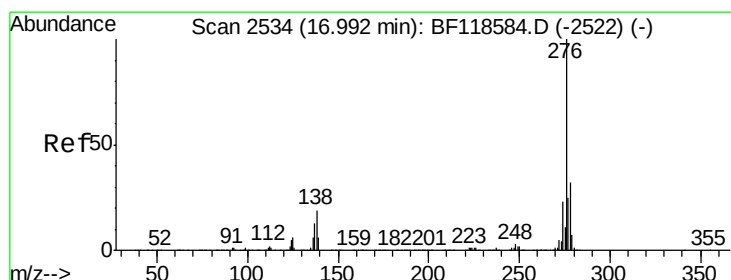
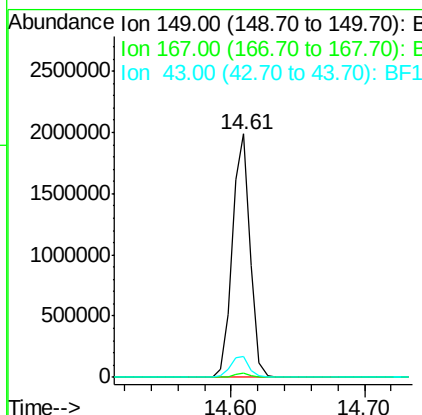
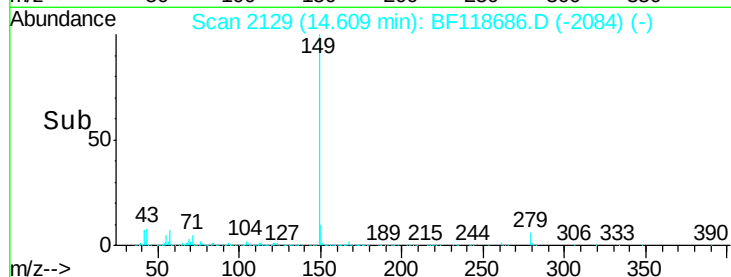
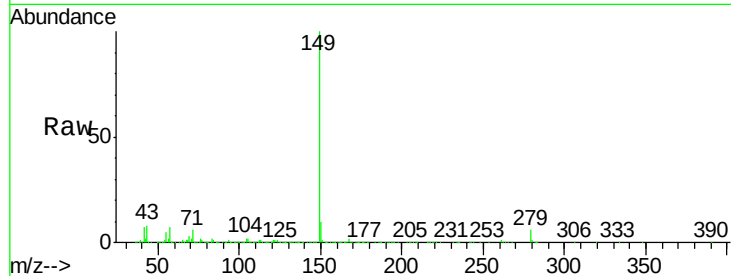
#85
Di-n-octyl phthalate
Concen: 61.383 ng
RT: 14.61 min Scan# 2129
Delta R.T. -0.04 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampled :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	8.6	8.1	12.1

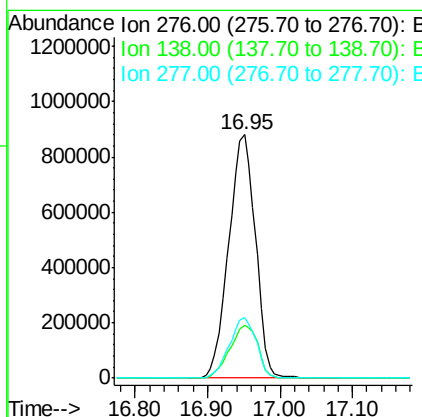
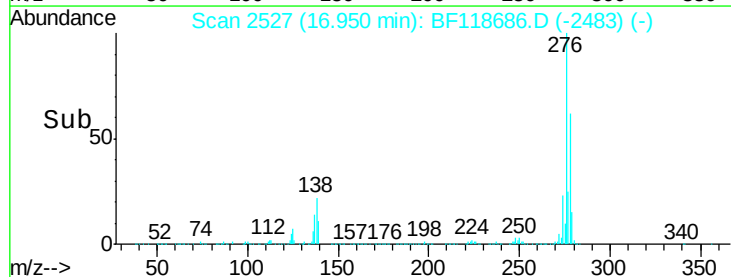
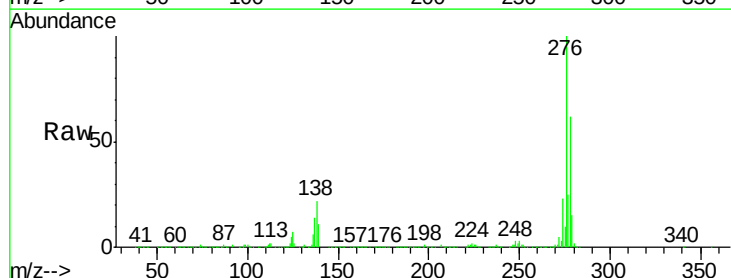
Manual Integrations
APPROVED

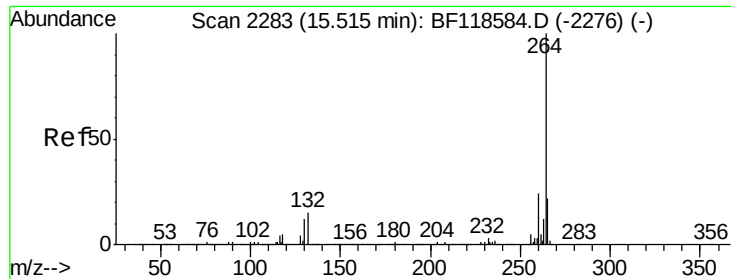
mohammad
1/28/2020 8:12:13 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 74.947 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.04 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	17.2	25.8
277	25.3	20.5	30.7





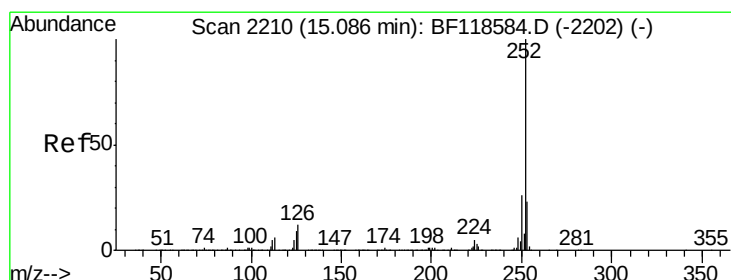
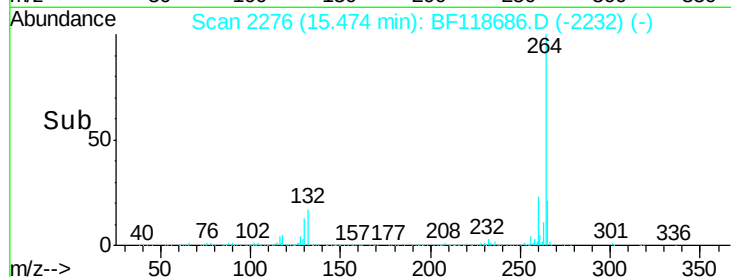
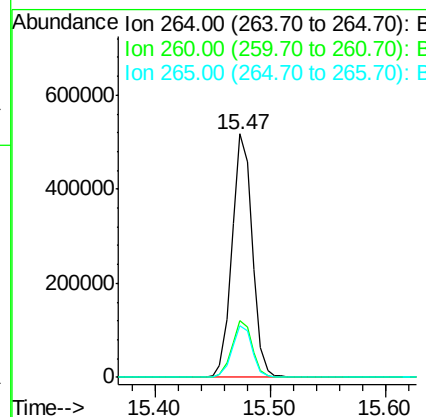
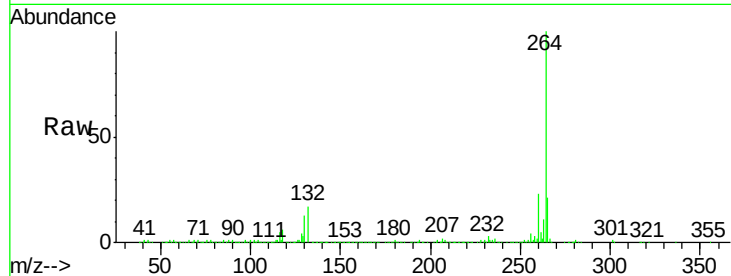
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.04 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	21.3	17.7	26.5

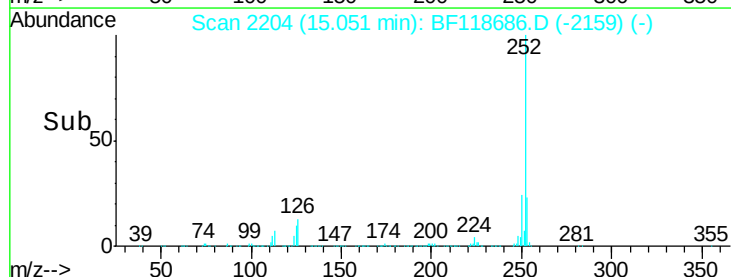
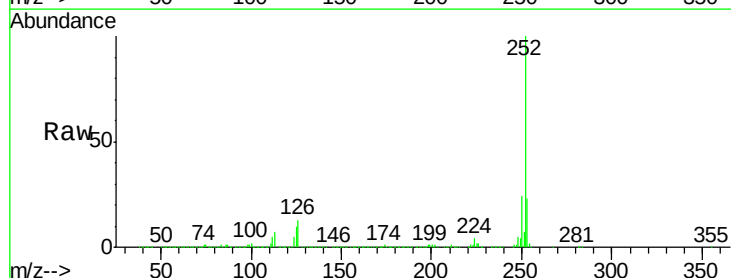
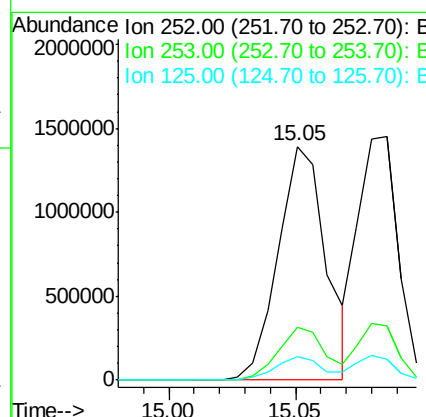
Manual Integrations
APPROVED

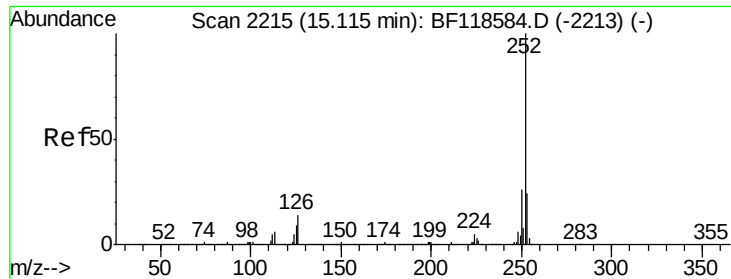
mohammad
1/28/2020 8:12:13 AM



#88
Benzo(b)fluoranthene
Concen: 46.371 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.7	28.1
125	10.0	7.3	10.9





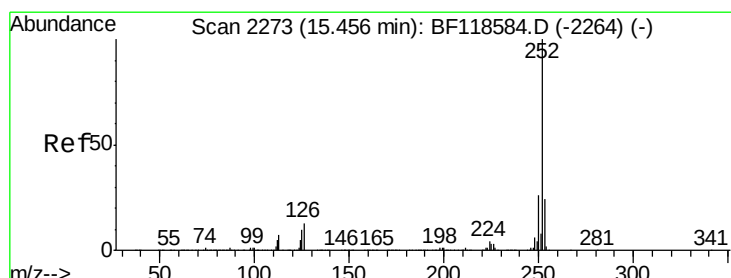
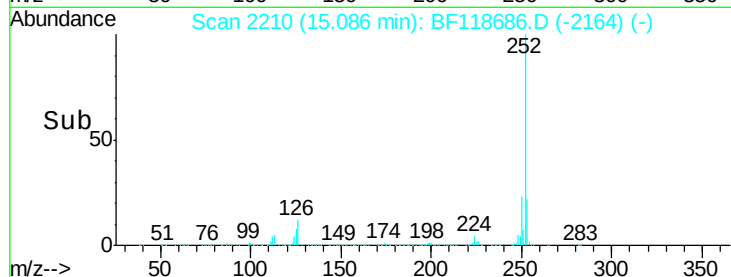
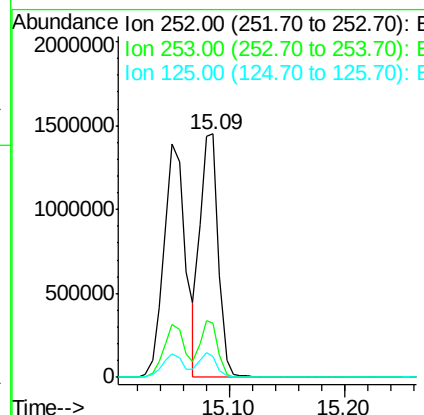
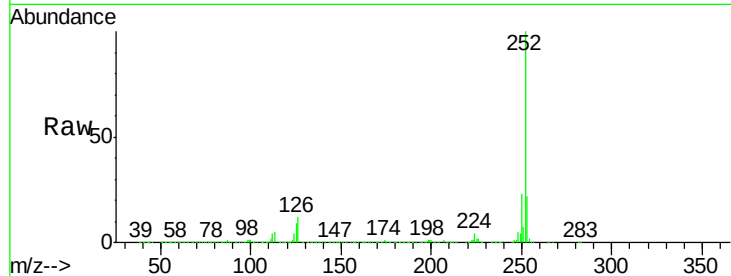
#89
Benzo(k)fluoranthene
Concen: 44.058 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.03 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.0	28.4
125	8.6	7.6	11.4

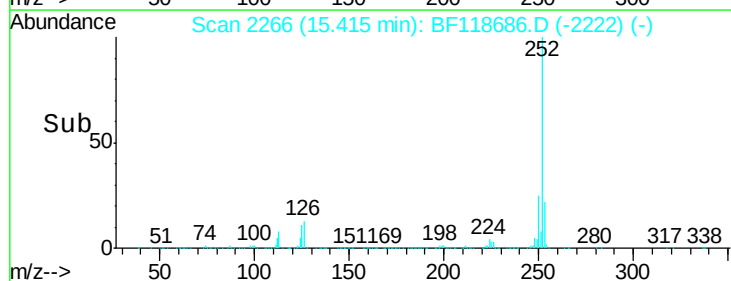
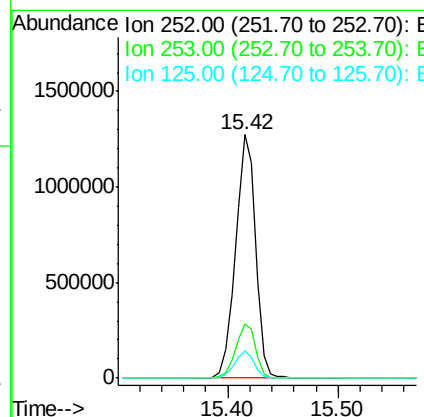
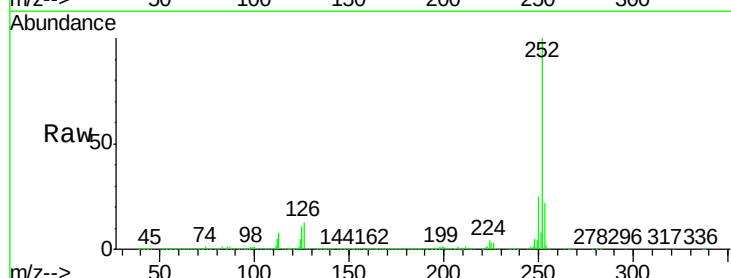
Manual Integrations
APPROVED

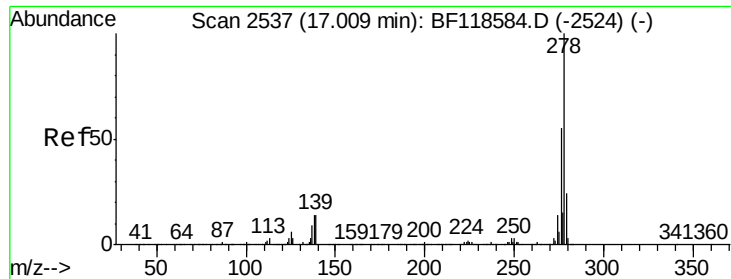
mohammad
1/28/2020 8:12:13 AM



#90
Benzo(a)pyrene
Concen: 47.655 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.04 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.8	28.2
125	11.0	7.8	11.6





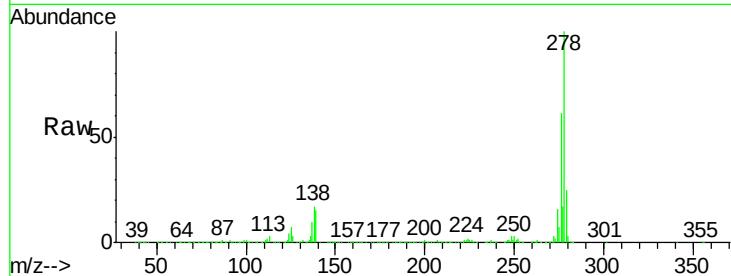
#91
Dibenzo(a,h)anthracene
Concen: 61.279 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.05 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Instrument :
BNA_F
ClientSampleId :
EP-12MSD

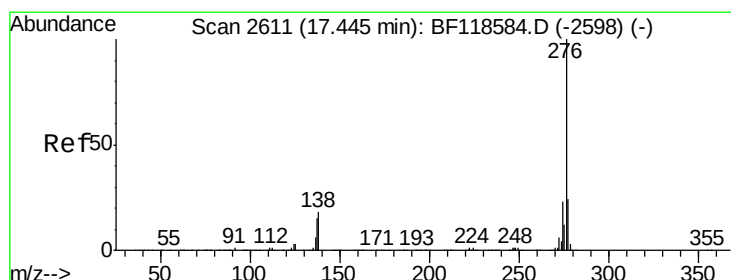
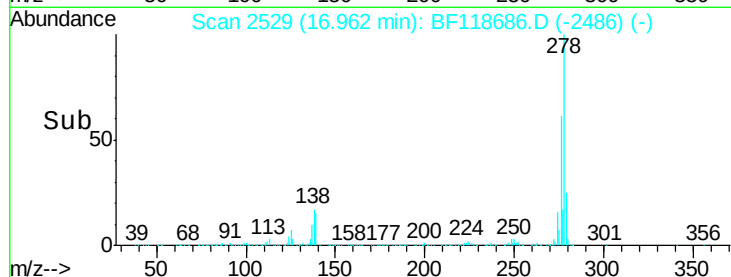
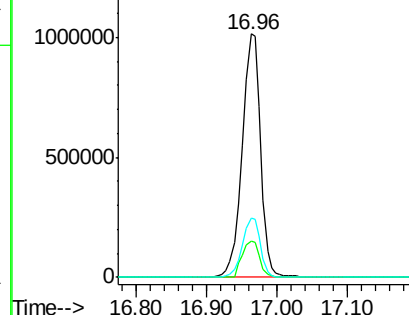
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.0	11.4	17.0
279	24.6	19.0	28.6

Manual Integrations
APPROVED

mohammad
1/28/2020 8:12:13 AM

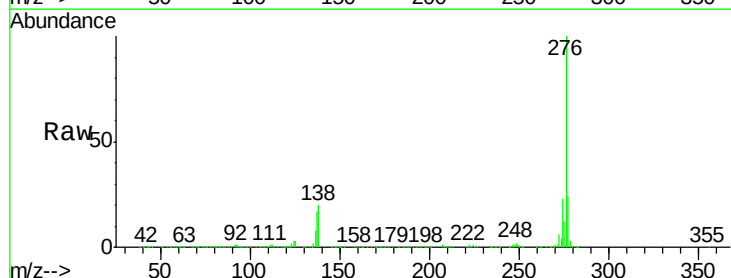


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 66.939 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.05 min
Lab File: BF118686.D
Acq: 24 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	19.9	14.4	21.6



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

