

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118801.D
 Acq On : 4 Feb 2020 14:59
 Operator : CG/JU
 Sample : PB126569BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB126569BS

Manual Integrations
 APPROVED

mohammad
 2/6/2020 2:17:00 PM

Quant Time: Feb 04 16:23:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	282266	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	1087983	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	640793	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1213786	20.00	ng	0.00
76) Chrysene-d12	13.97	240	825012	20.00	ng	-0.01
87) Perylene-d12	15.41	264	685097	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1724790	115.67	ng	0.01
7) Phenol-d6	6.45	99	2143171	115.78	ng	0.00
23) Nitrobenzene-d5	7.37	82	1257600	68.90	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	846003	110.34	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2620771	73.11	ng	0.00
79) Terphenyl-d14	12.92	244	3093420	77.02	ng	-0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	2.63	88	255008	37.525 ng	99
3) Pyridine	3.38	79	610553	32.355 ng	99
4) n-Nitrosodimethylamine	3.31	42	279990	40.754 ng	97
6) Aniline	6.47	93	754353	31.642 ng	98
8) 2-Chlorophenol	6.60	128	725675	43.692 ng	98
9) Benzaldehyde	6.36	77	362300	31.575 ng	98
10) Phenol	6.46	94	862901	41.925 ng	96
11) bis(2-Chloroethyl)ether	6.55	93	687150	43.638 ng	99
12) 1,3-Dichlorobenzene	6.76	146	795254	40.226 ng	98
13) 1,4-Dichlorobenzene	6.83	146	803176	40.729 ng	98
14) 1,2-Dichlorobenzene	6.99	146	755781	40.120 ng	99
15) Benzyl Alcohol	6.96	79	624232	43.628 ng	98
16) 2,2'-oxybis(1-Chloropropan	7.09	45	771995	40.034 ng	99
17) 2-Methylphenol	7.07	107	602060	43.600 ng	99
18) Hexachloroethane	7.33	117	283485	40.053 ng	100
19) n-Nitroso-di-n-propylamine	7.23	70	476623	42.083 ng	99
20) 3+4-Methylphenols	7.22	107	716641	41.404 ng	95
22) Acetophenone	7.22	105	934463	39.532 ng	# 97
24) Nitrobenzene	7.39	77	748528	41.049 ng	99
25) Isophorone	7.64	82	1374734	41.906 ng	98
26) 2-Nitrophenol	7.71	139	410102	42.206 ng	99
27) 2,4-Dimethylphenol	7.75	122	641994	48.639 ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	841566	39.562 ng	99
29) 2,4-Dichlorophenol	7.95	162	659488	41.721 ng	100
30) 1,2,4-Trichlorobenzene	8.04	180	731048	39.567 ng	100
31) Naphthalene	8.12	128	2079216	41.785 ng	100
32) Benzoic acid	7.88	122	452880	41.441 ng	96
33) 4-Chloroaniline	8.16	127	543601	24.418 ng	98
34) Hexachlorobutadiene	8.24	225	427368	37.755 ng	99
35) Caprolactam	8.53	113	209156m	40.817 ng	
36) 4-Chloro-3-methylphenol	8.65	107	674086	42.375 ng	97
37) 2-Methylnaphthalene	8.81	142	1473408	42.694 ng	98
38) 1-Methylnaphthalene	8.91	142	1382736	42.592 ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	718896	37.172 ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118801.D
 Acq On : 4 Feb 2020 14:59
 Operator : CG/JU
 Sample : PB126569BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 PB126569BS

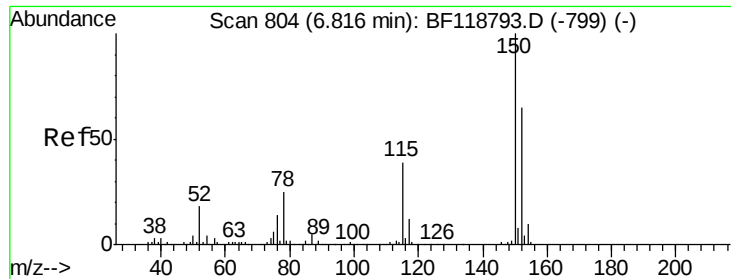
Manual Integrations
 APPROVED

mohammad
 2/6/2020 2:17:00 PM

Quant Time: Feb 04 16:23:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	687748	90.692	nq	99
43) 2,4,6-Trichlorophenol	9.09	196	512701	39.644	nq	100
44) 2,4,5-Trichlorophenol	9.13	196	533297	40.358	nq	98
46) 1,1'-Biphenyl	9.27	154	1772526	39.988	nq	100
47) 2-Chloronaphthalene	9.30	162	1412430	38.329	nq	100
48) 2-Nitroaniline	9.39	65	396501	37.306	nq	97
49) Acenaphthylene	9.72	152	2239269	42.086	nq	100
50) Dimethylphthalate	9.57	163	1713055	39.261	nq	99
51) 2,6-Dinitrotoluene	9.63	165	404656	40.533	nq	100
52) Acenaphthene	9.89	154	1549324	44.189	nq	99
53) 3-Nitroaniline	9.80	138	290744	26.260	nq	91
54) 2,4-Dinitrophenol	9.91	184	401299	83.614	nq	93
55) Dibenzofuran	10.06	168	2050197	40.462	nq	100
56) 4-Nitrophenol	9.97	139	666852	83.219	nq	94
57) 2,4-Dinitrotoluene	10.04	165	548085	41.484	nq	93
58) Fluorene	10.40	166	1544358	40.514	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	480611	41.647	nq	99
60) Diethylphthalate	10.27	149	1700062	40.070	nq	100
61) 4-Chlorophenyl-phenylether	10.39	204	814856	39.417	nq	98
62) 4-Nitroaniline	10.42	138	392575	35.407	nq	98
63) Azobenzene	10.55	77	1516645	41.871	nq	99
65) 4,6-Dinitro-2-methylphenol	10.45	198	299788	43.954	nq	99
66) n-Nitrosodiphenylamine	10.51	169	1458712	41.489	nq	99
67) 4-Bromophenyl-phenylether	10.88	248	568336	39.582	nq	96
68) Hexachlorobenzene	10.95	284	638533	38.771	nq	97
69) Atrazine	11.03	200	524743	44.799	nq	98
70) Pentachlorophenol	11.14	266	673852	77.490	nq	98
71) Phenanthrene	11.36	178	2370829	39.699	nq	99
72) Anthracene	11.41	178	2397290	40.351	nq	100
73) Carbazole	11.56	167	2113752	40.540	nq	100
74) Di-n-butylphthalate	11.90	149	2515390	37.871	nq	100
75) Fluoranthene	12.54	202	2477524	37.997	nq	99
77) Benzidine	12.66	184	708915	28.410	nq	99
78) Pyrene	12.77	202	2513158	44.404	nq	100
80) Butylbenzylphthalate	13.39	149	1037739	40.171	nq	99
81) Benzo(a)anthracene	13.96	228	1994618	40.629	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	653068	32.525	nq	99
83) Chrysene	14.00	228	2000842	40.608	nq	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	1275658	38.922	nq	100
85) Di-n-octyl phthalate	14.56	149	2006194	35.731	nq	100
86) Indeno(1,2,3-cd)pyrene	16.84	276	1835226	37.071	nq	100
88) Benzo(b)fluoranthene	14.99	252	1955311	45.995	nq	100
89) Benzo(k)fluoranthene	15.02	252	1657263	44.768	nq	99
90) Benzo(a)pyrene	15.35	252	1602586	44.049	nq	98
91) Dibenzo(a,h)anthracene	16.86	278	1539386	47.663	nq	100
92) Benzo(g,h,i)perylene	17.27	276	1580465	50.883	nq	98

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



#1

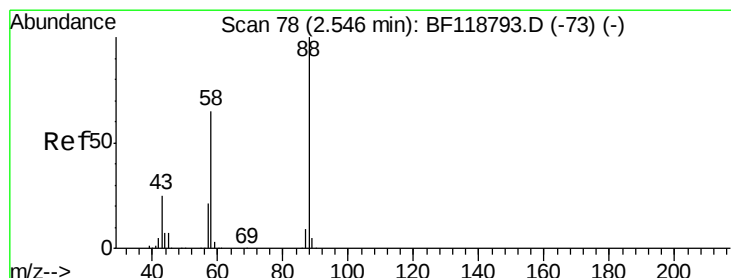
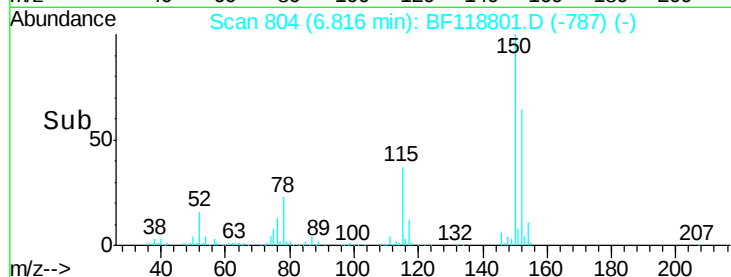
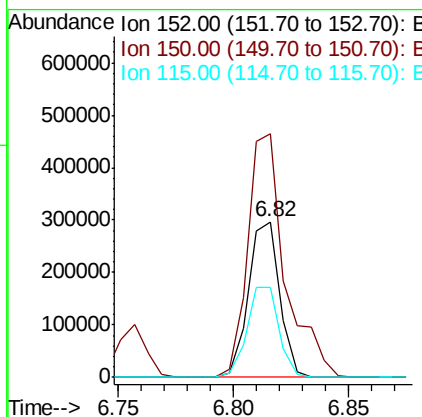
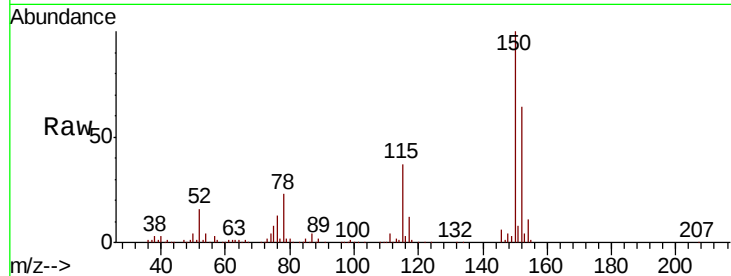
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	123.6	185.4
115	57.7	48.2	72.2

Manual Integrations
APPROVED

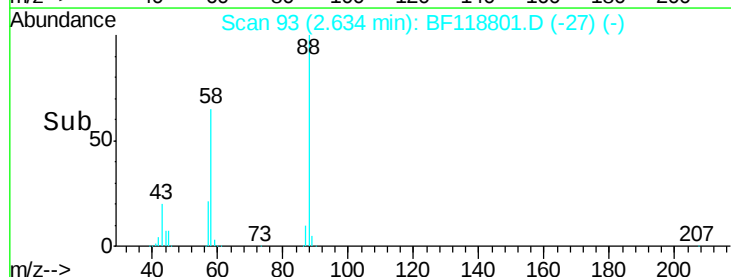
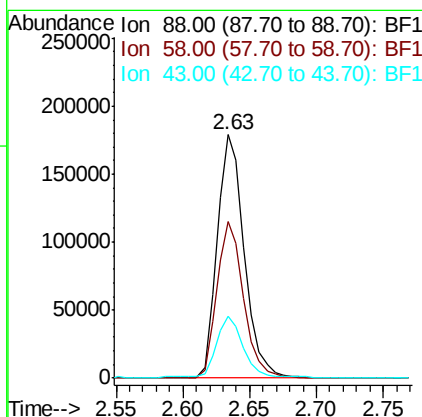
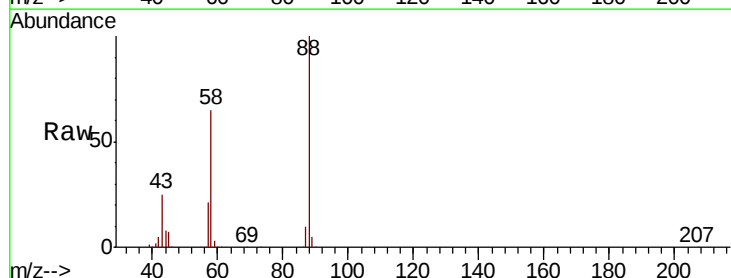
mohammad
2/6/2020 2:17:00 PM

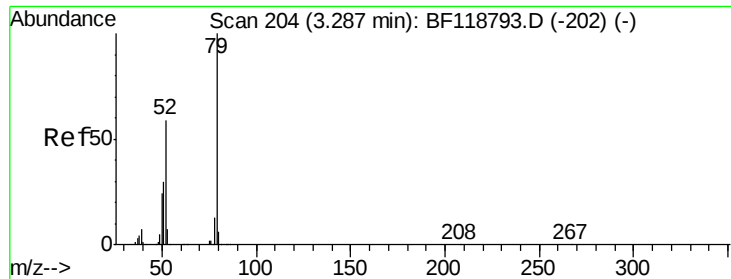


#2

1,4-Dioxane
Concen: 37.525 ng
RT: 2.63 min Scan# 93
Delta R.T. 0.09 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.6	51.6	77.4
43	24.5	19.8	29.6





#3

Pvridine

Concen: 32.355 ng

RT: 3.38 min Scan# 220

Delta R.T. 0.09 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Instrument :

BNA_F

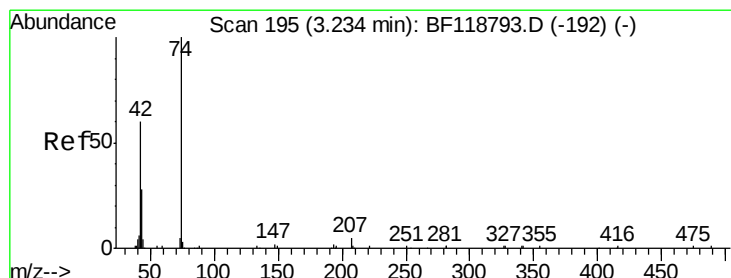
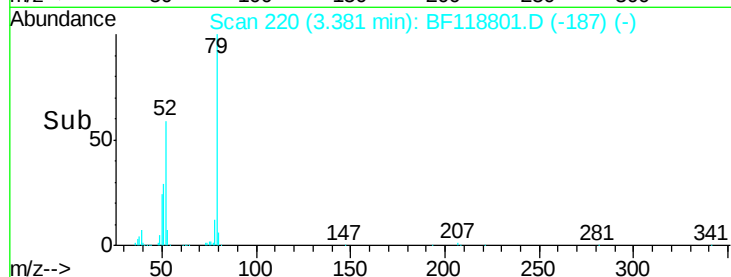
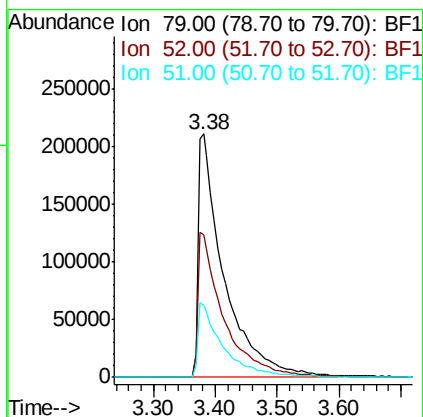
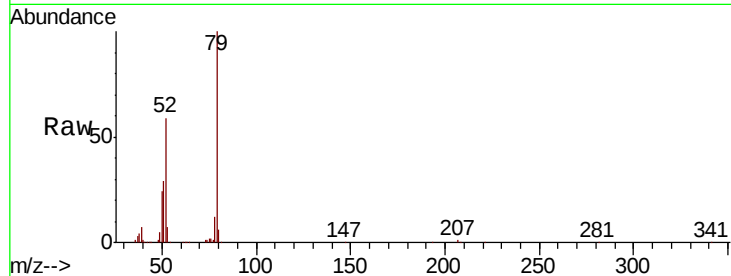
ClientSampleId :

PB126569BS

Tot Ion:	79	Resp:	610553
Ion	Ratio	Lower	Upper
79	100		
52	58.5	47.4	71.0
51	29.5	24.2	36.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



#4

n-Nitrosodimethylamine

Concen: 40.754 ng

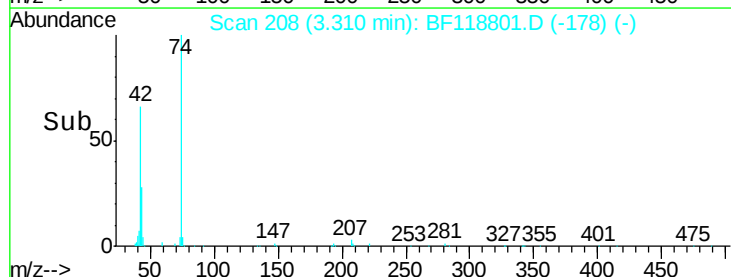
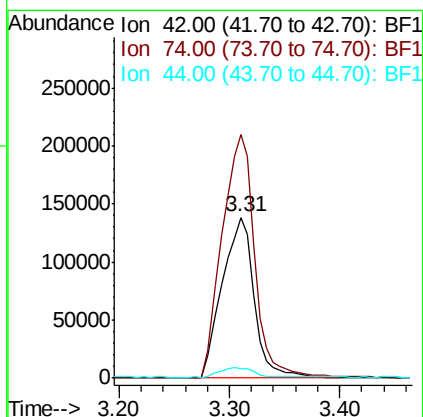
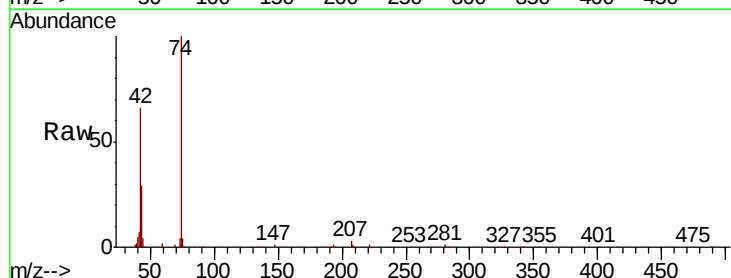
RT: 3.31 min Scan# 208

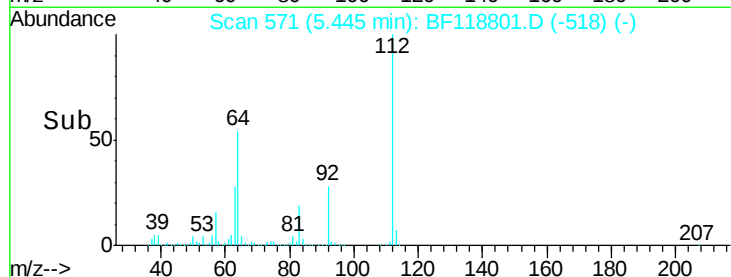
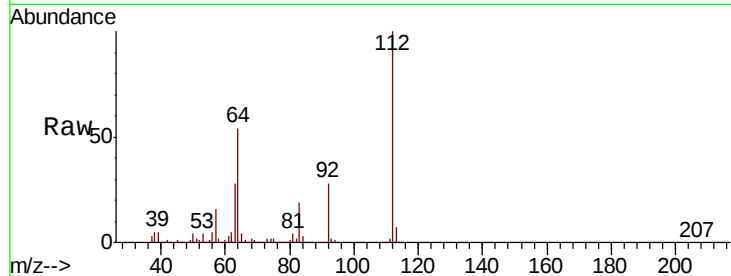
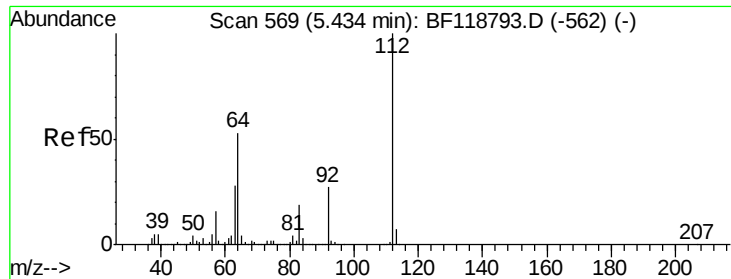
Delta R.T. 0.08 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tgt Ion:	42	Resp:	279990
Ion	Ratio	Lower	Upper
42	100		
74	151.7	124.3	186.5
44	6.0	5.3	7.9





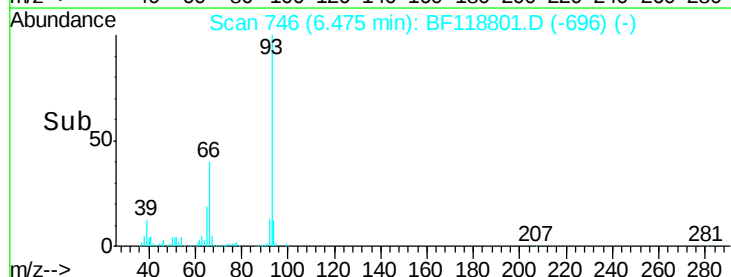
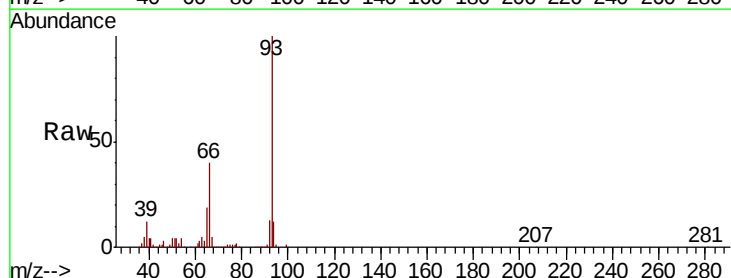
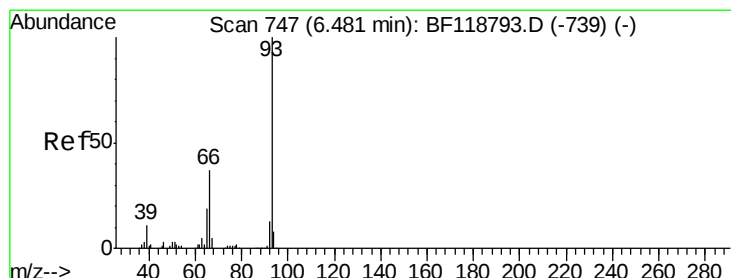
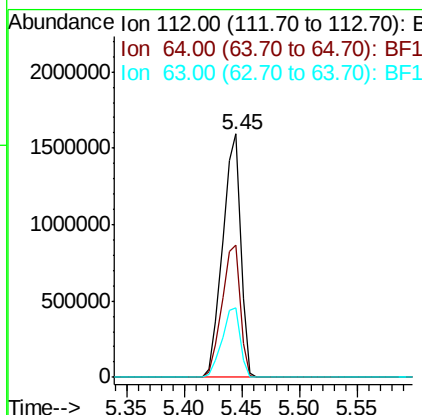
#5
2-Fluorophenol
Concen: 115.668 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tot Ion	Ratio	Lower	Upper
112	100		
64	54.3	42.6	63.8
63	28.4	22.2	33.4

Instrument :
BNA_F
ClientSampleId :
PB126569BS

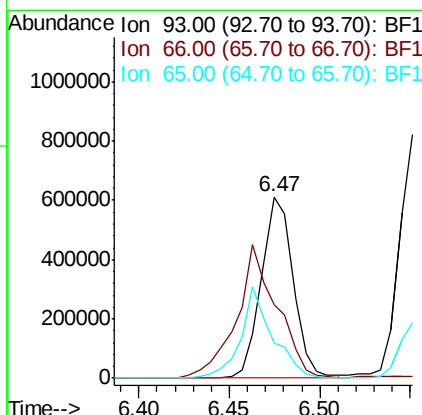
Manual Integrations
APPROVED

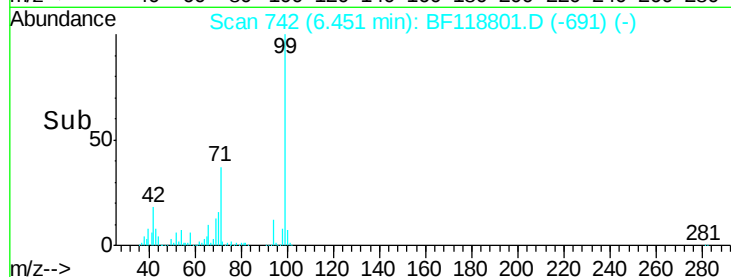
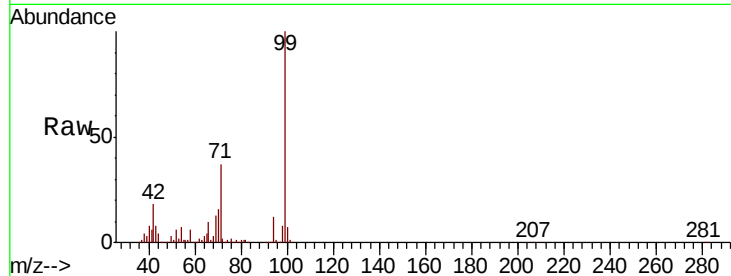
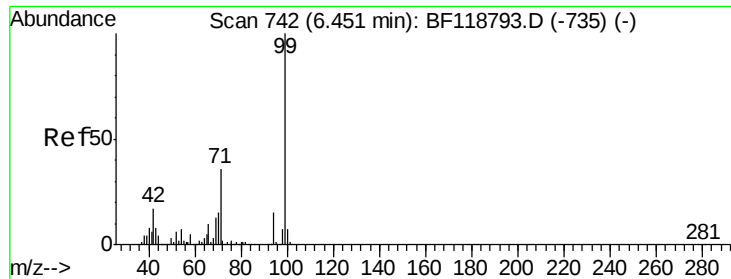
mohammad
2/6/2020 2:17:00 PM



#6
Aniline
Concen: 31.642 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
93	100		
66	40.3	30.8	46.2
65	19.2	15.4	23.0





#7

Phenol-d6

Concen: 115.781 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tot Ion:	99	Resp:	2143171
Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.4	20.0
71	37.4	29.0	43.6

Instrument :

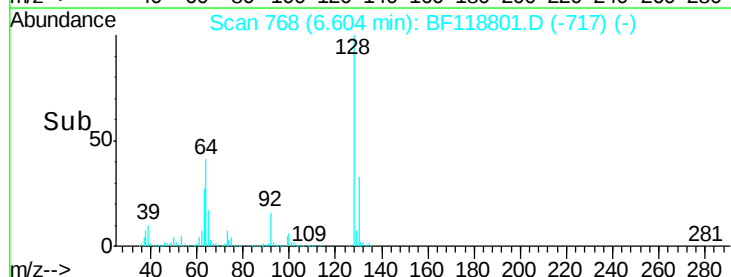
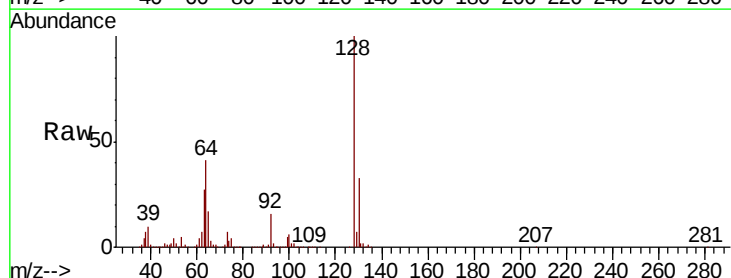
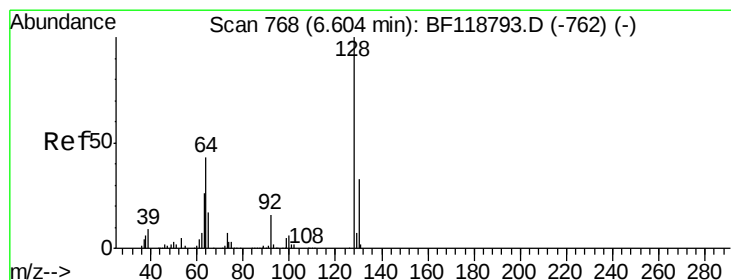
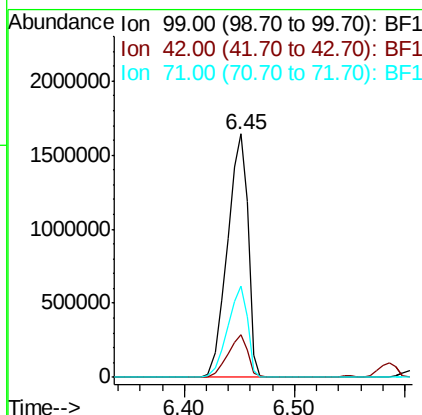
BNA_F

ClientSampleId :

PB126569BS

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



#8

2-Chlorophenol

Concen: 43.692 ng

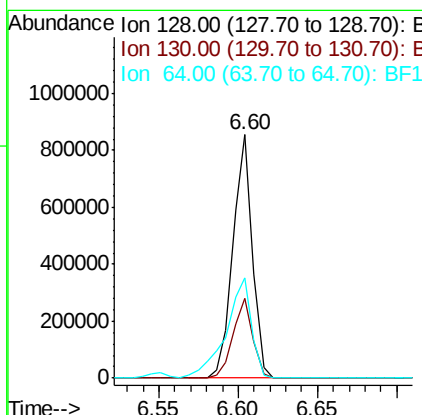
RT: 6.60 min Scan# 768

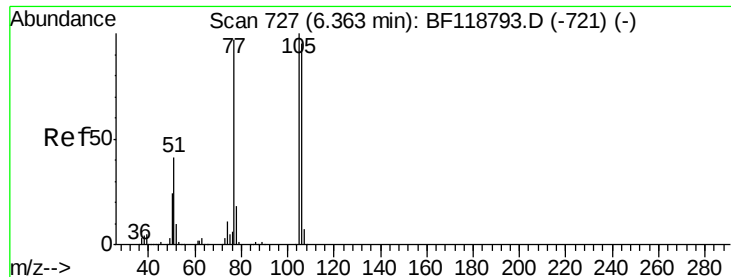
Delta R.T. -0.00 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tgt Ion:	128	Resp:	725675
Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.1	53.1
64	41.1	23.0	63.0





#9

Benzaldehyde

Concen: 31.575 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Instrument :

BNA_F

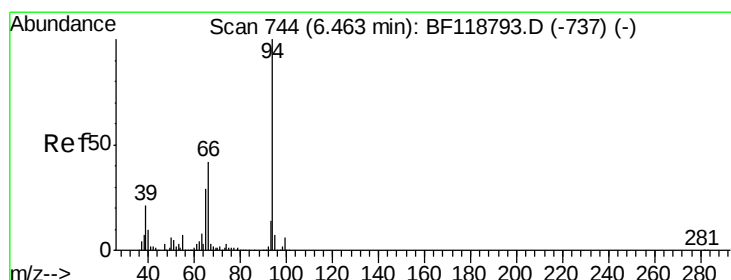
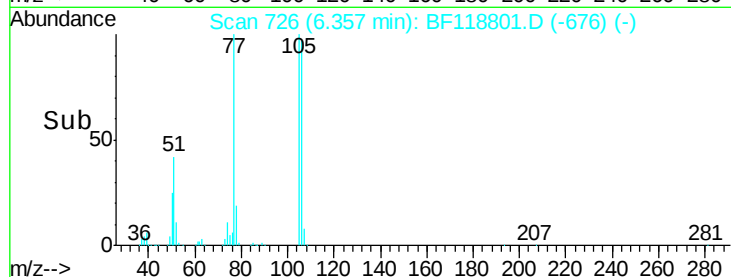
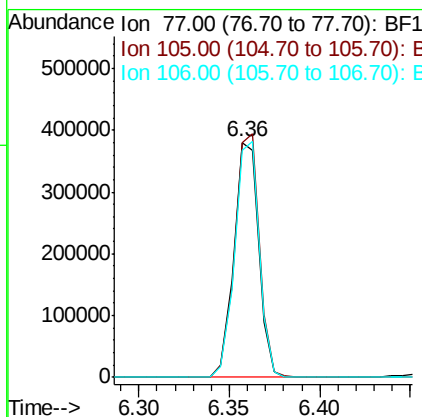
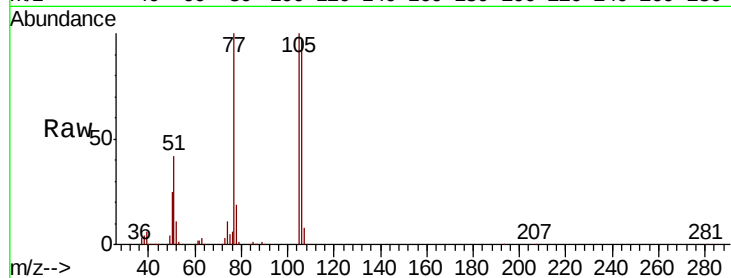
ClientSampleId :

PB126569BS

Tot Ion:	77	Resp:	362300
Ion	Ratio	Lower	Upper
77	100		
105	99.7	82.8	122.8
106	96.5	78.1	118.1

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



#10

Phenol

Concen: 41.925 ng

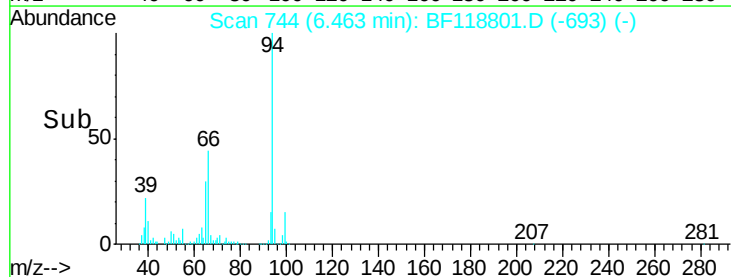
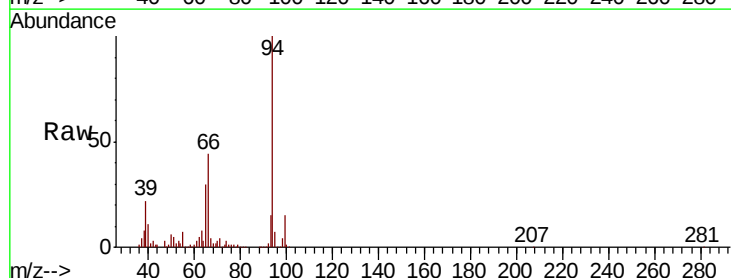
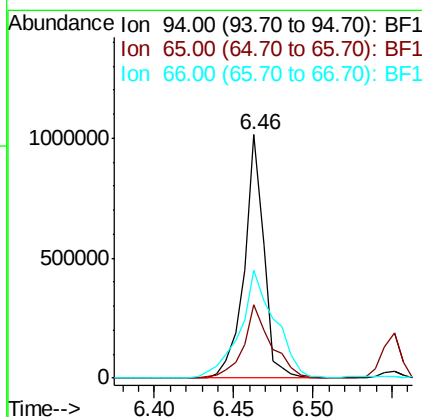
RT: 6.46 min Scan# 744

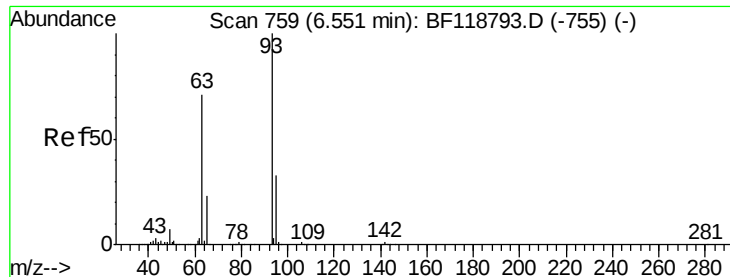
Delta R.T. -0.00 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tgt Ion:	94	Resp:	862901
Ion	Ratio	Lower	Upper
94	100		
65	30.3	9.1	49.1
66	44.5	21.7	61.7





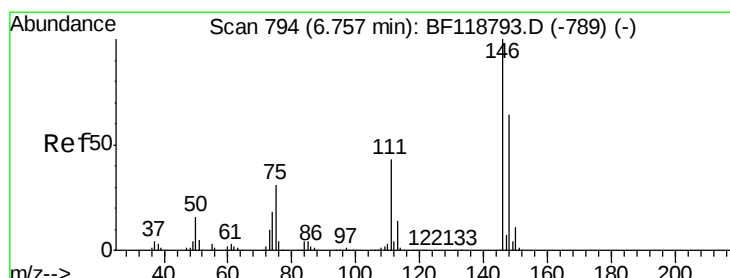
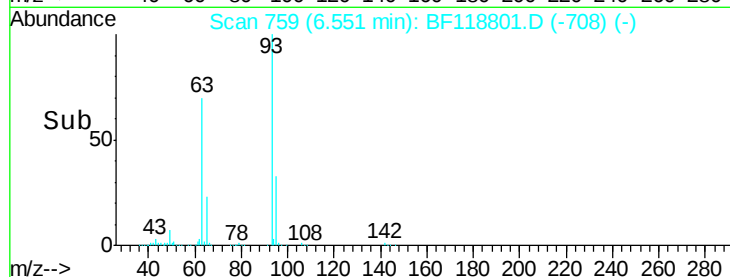
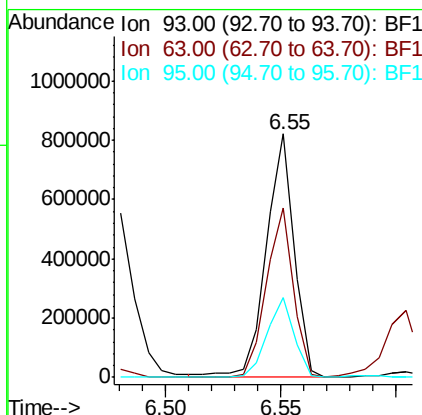
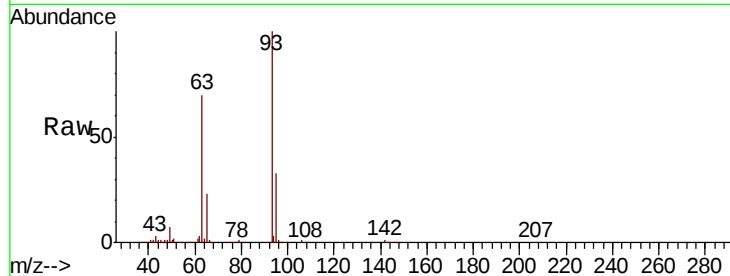
#11
bis(2-Chloroethyl)ether
Concen: 43.638 ng
RT: 6.55 min Scan# 759
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion:	93	Resp:	687150
Ion	Ratio	Lower	Upper
93	100		
63	69.7	50.7	90.7
95	32.7	12.6	52.6

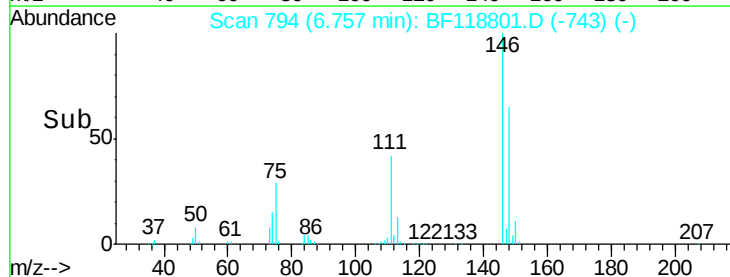
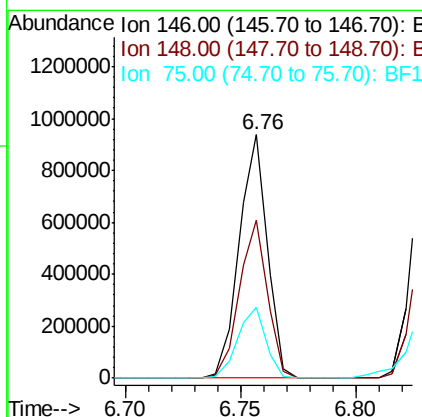
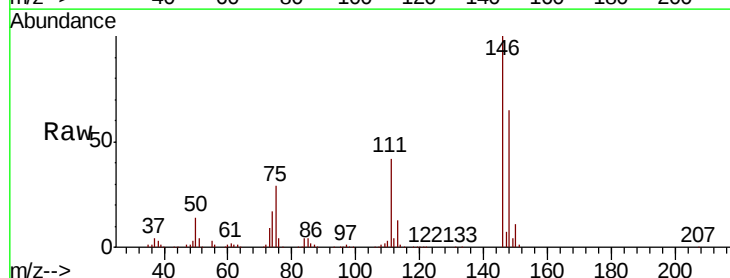
Manual Integrations
APPROVED

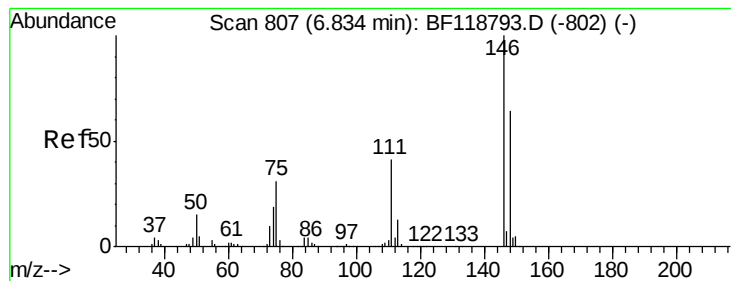
mohammad
2/6/2020 2:17:00 PM



#12
1,3-Dichlorobenzene
Concen: 40.226 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion:	146	Resp:	795254
Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.1	76.7
75	29.2	25.0	37.4





#13

1,4-Dichlorobenzene

Concen: 40.729 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Instrument :

BNA_F

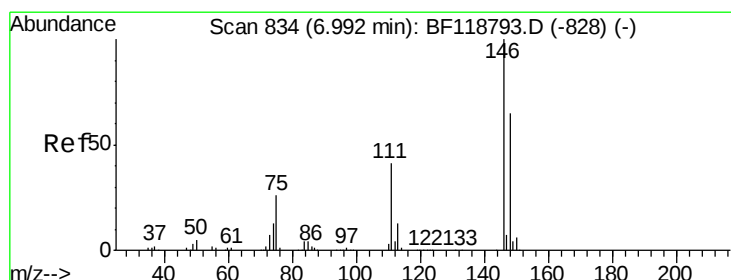
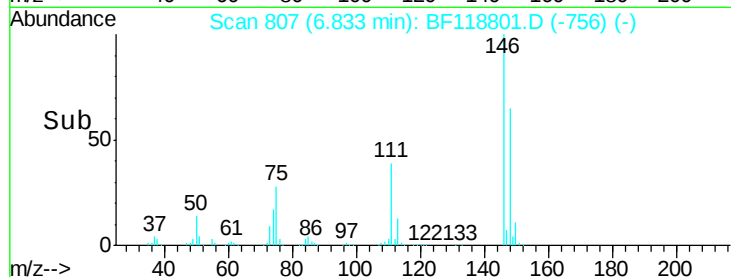
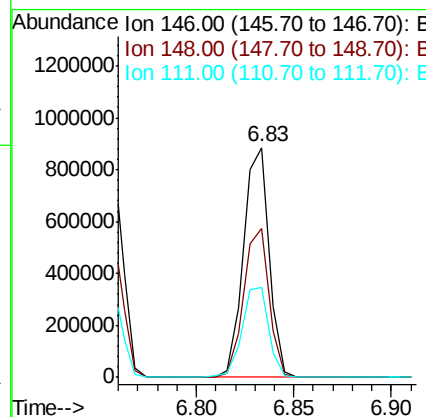
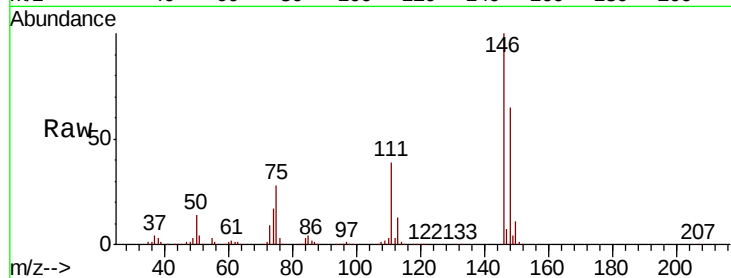
ClientSampleId :

PB126569BS

Tot Ion:	146	Resp:	803176
Ion Ratio	Lower	Upper	
146	100		
148	65.1	51.6	77.4
111	39.3	32.9	49.3

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



#14

1,2-Dichlorobenzene

Concen: 40.120 ng

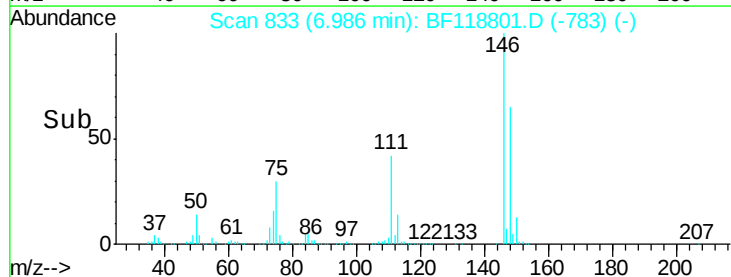
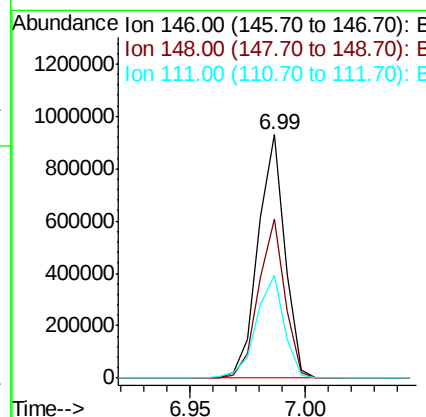
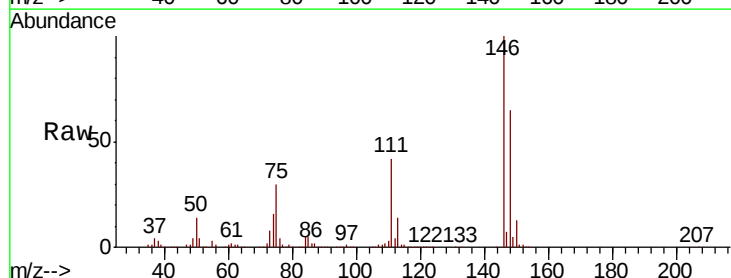
RT: 6.99 min Scan# 833

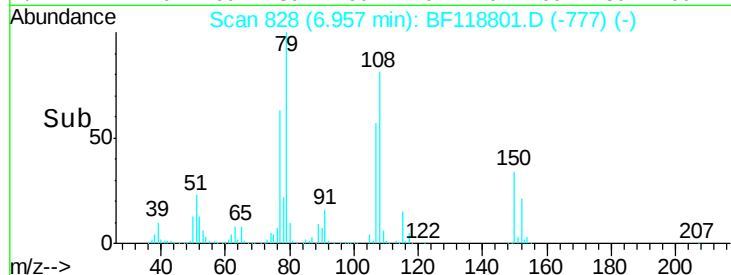
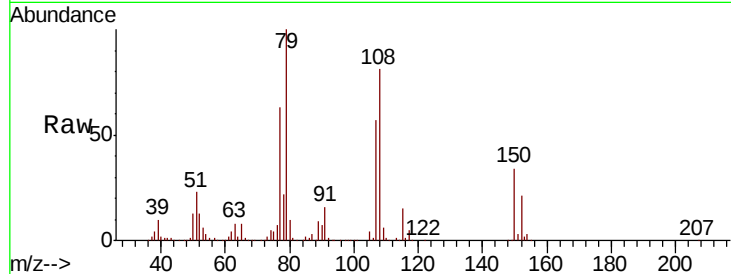
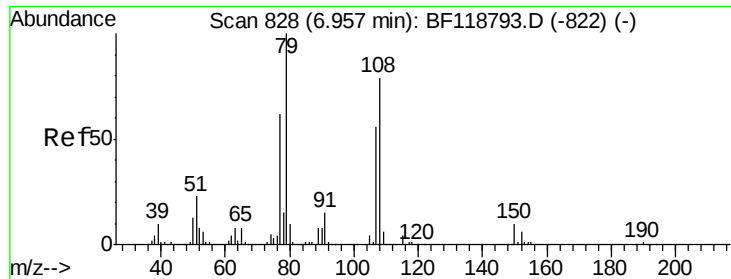
Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tgt Ion:	146	Resp:	755781
Ion Ratio	Lower	Upper	
146	100		
148	65.1	51.6	77.4
111	42.2	32.7	49.1





#15

Benzyl Alcohol

Concen: 43.628 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tot Ion:	79	Resp:	624232
Ion	Ratio	Lower	Upper
79	100		
108	81.4	62.9	94.3
77	62.7	50.0	75.0

Instrument :

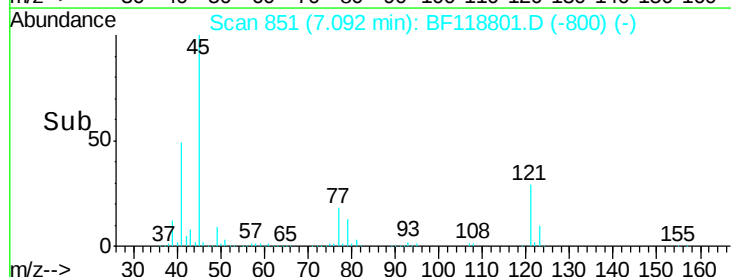
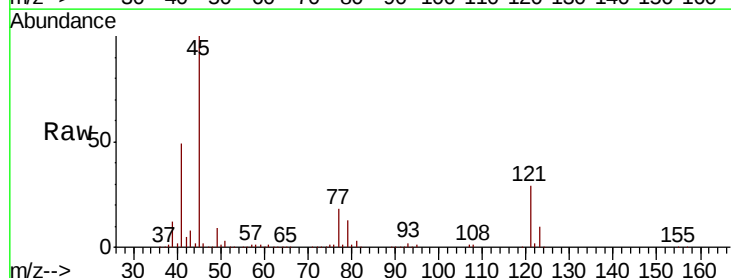
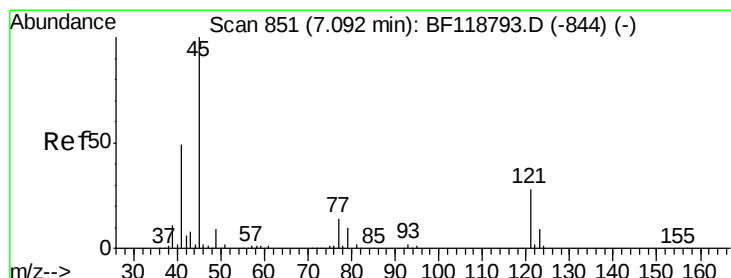
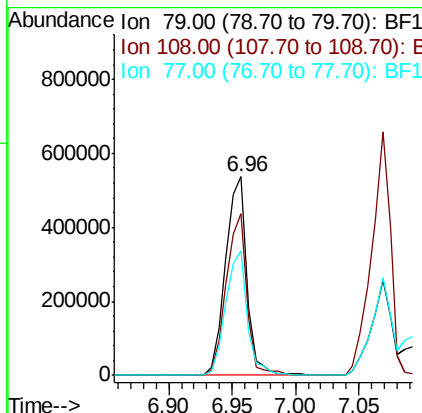
BNA_F

ClientSampleId :

PB126569BS

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.034 ng

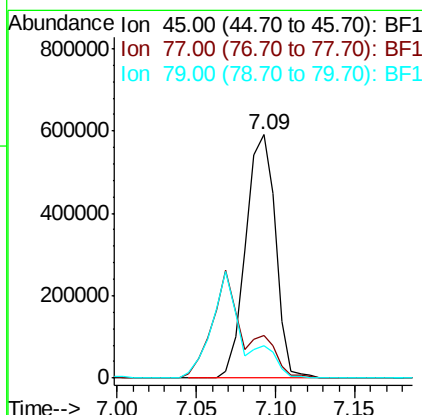
RT: 7.09 min Scan# 851

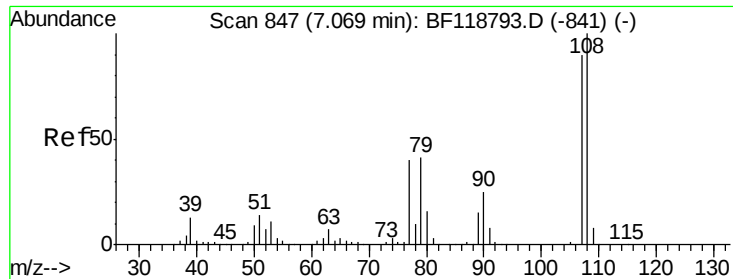
Delta R.T. -0.00 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tgt Ion:	45	Resp:	771995
Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.1
79	13.3	0.0	33.1





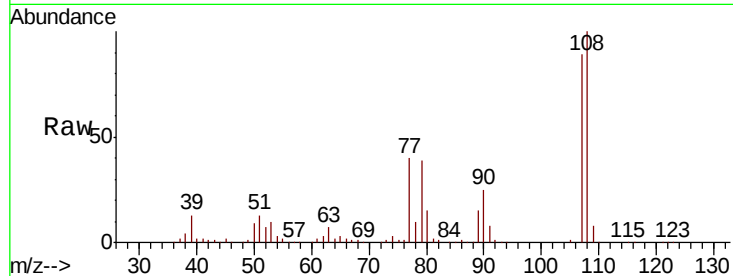
#17
2-Methylphenol
Concen: 43.600 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

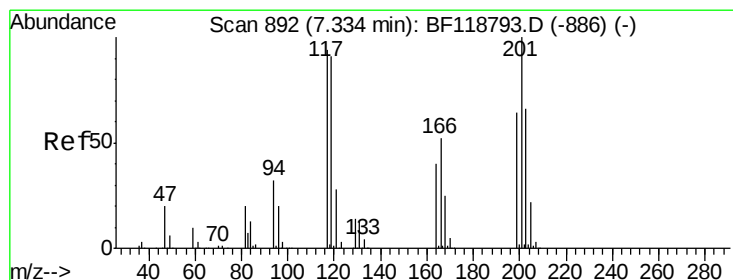
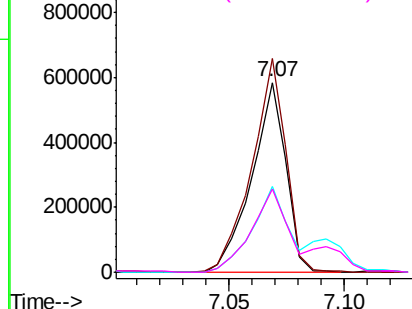
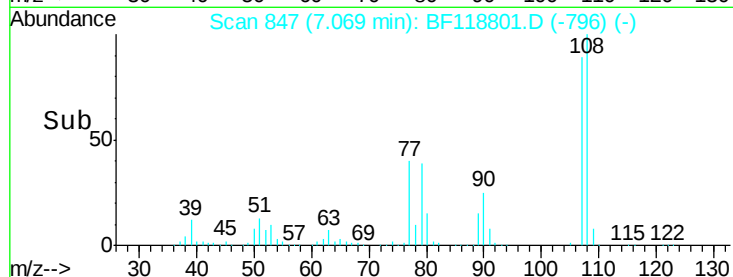
Tot Ion	Ratio	Resp	Lower	Upper
107	100	602060		
108	112.6	89.3	133.9	
77	45.1	36.2	54.2	
79	44.2	36.3	54.5	

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM

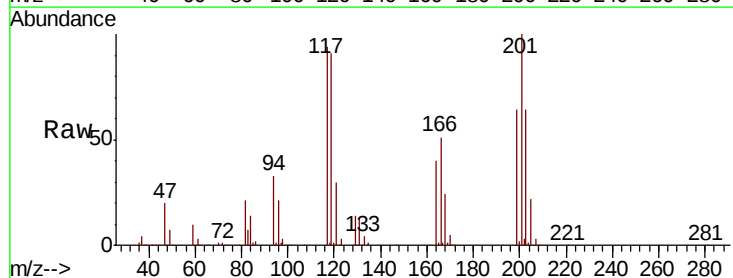


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

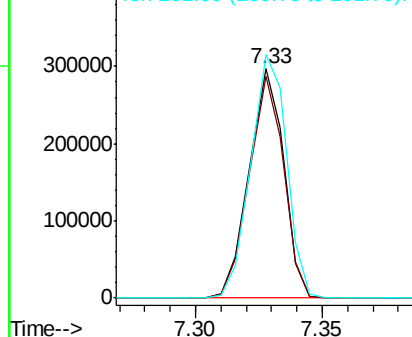
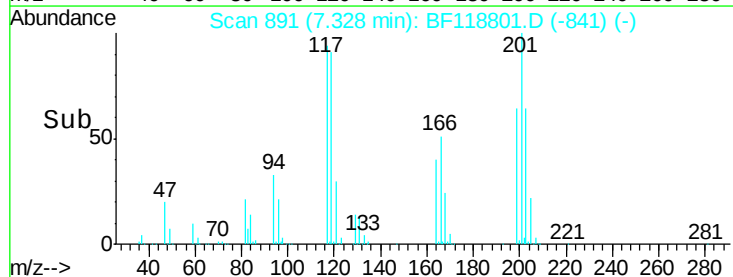


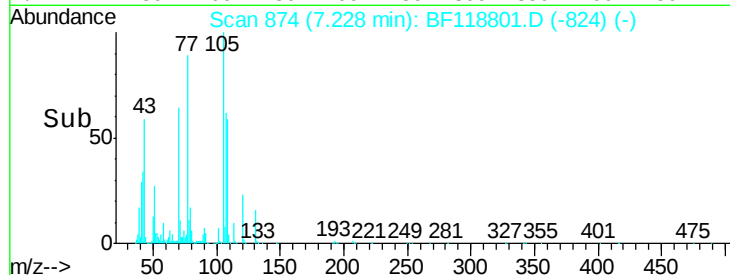
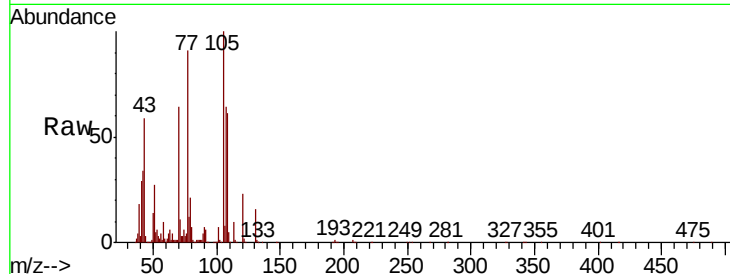
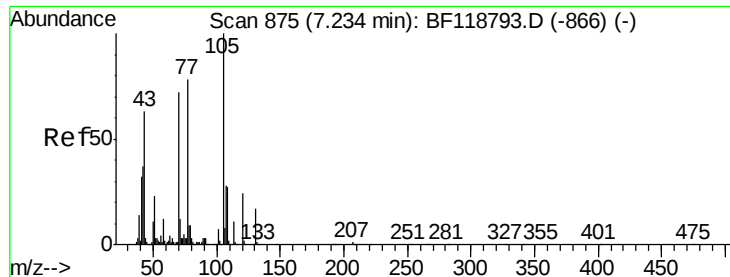
#18
Hexachloroethane
Concen: 40.053 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	283485		
119	96.7	77.4	116.0	
201	106.3	85.1	127.7	



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





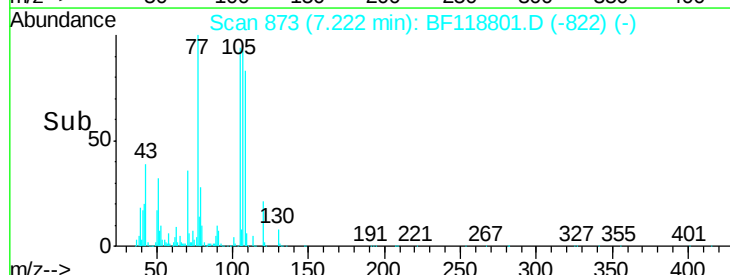
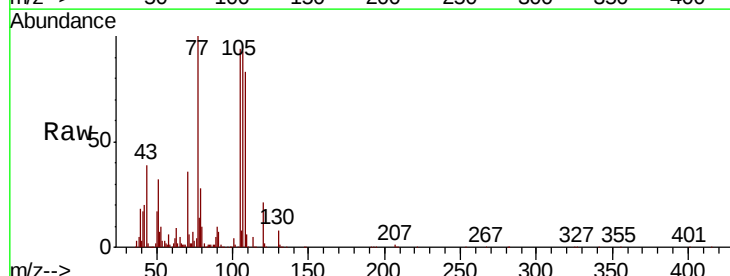
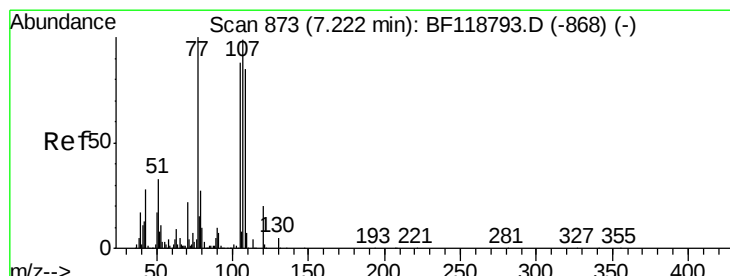
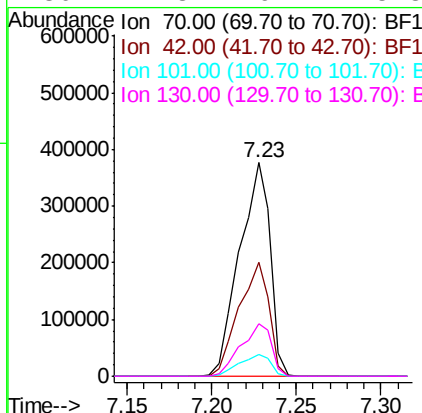
#19
n-Nitroso-di-n-propylamine
Concen: 42.083 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	53.3	41.5	62.3
101	10.3	8.3	12.5
130	24.3	19.2	28.8

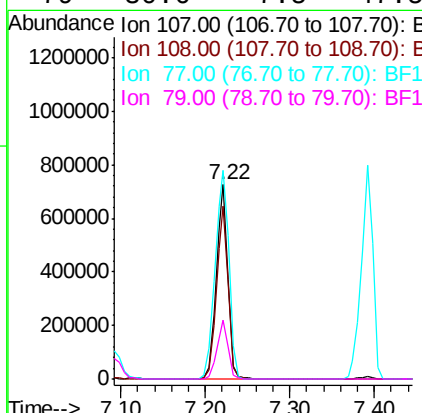
Manual Integrations
APPROVED

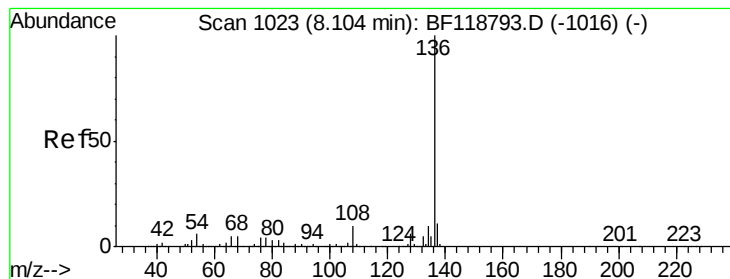
mohammad
2/6/2020 2:17:00 PM



#20
3+4-Methylphenols
Concen: 41.404 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.8	65.9	105.9
77	107.2	80.9	120.9
79	30.6	7.5	47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Instrument :

BNA_F

ClientSampleId :

PB126569BS

Tot Ion:136 Resp: 1087983

Ion Ratio Lower Upper

136 100

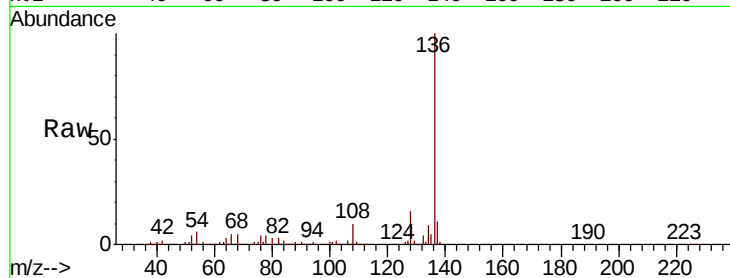
137 10.8 8.7 13.1

54 5.9 5.0 7.6

68 5.2 4.2 6.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM

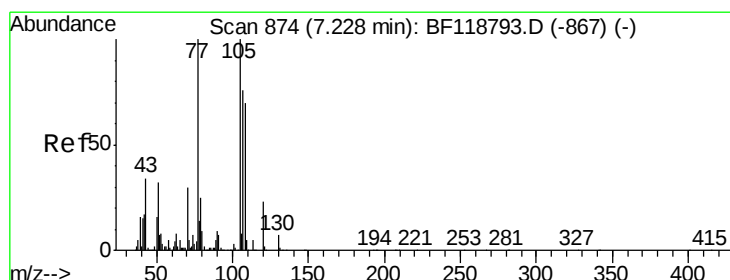
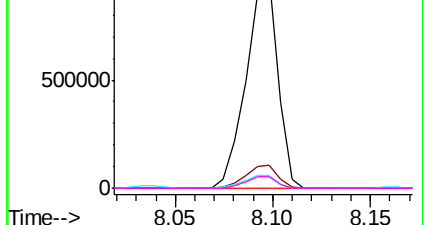
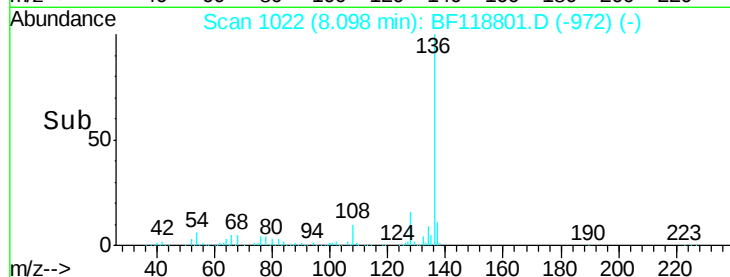


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 39.532 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tgt Ion:105 Resp: 934463

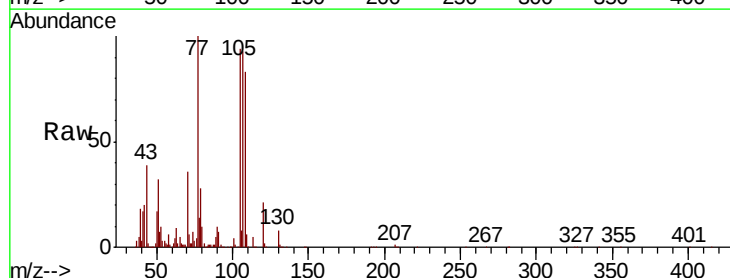
Ion Ratio Lower Upper

105 100

71 6.7 4.2 6.4#

51 34.5 25.5 38.3

120 22.6 18.6 28.0

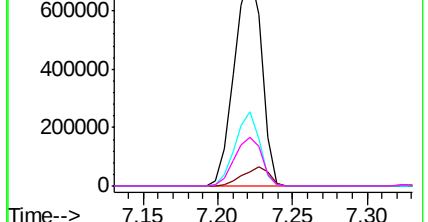
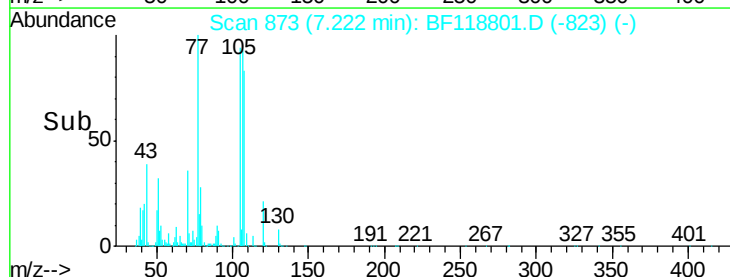


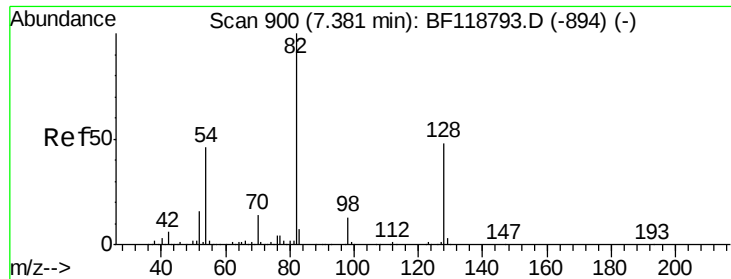
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





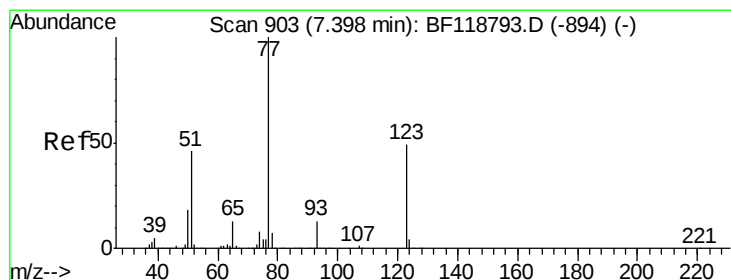
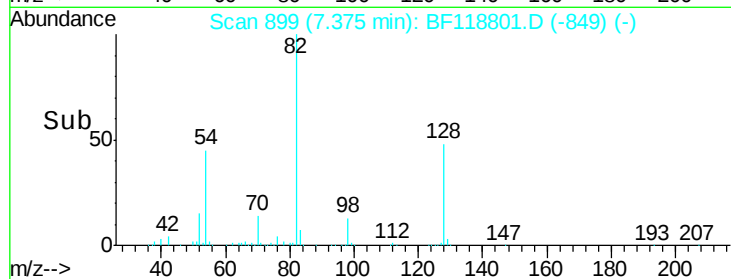
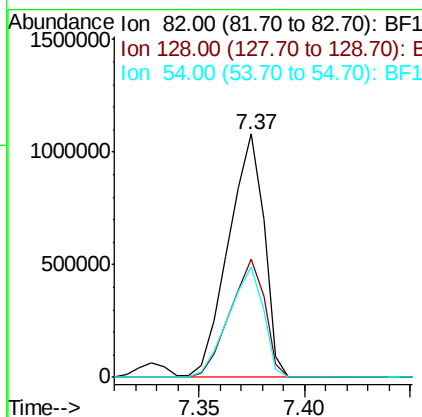
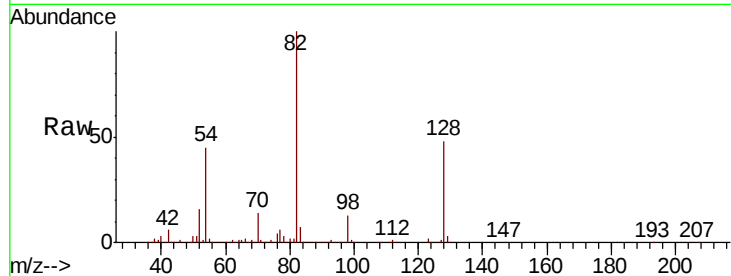
#23
Nitrobenzene-d5
Concen: 68.897 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	38.5	57.7
54	45.5	36.7	55.1

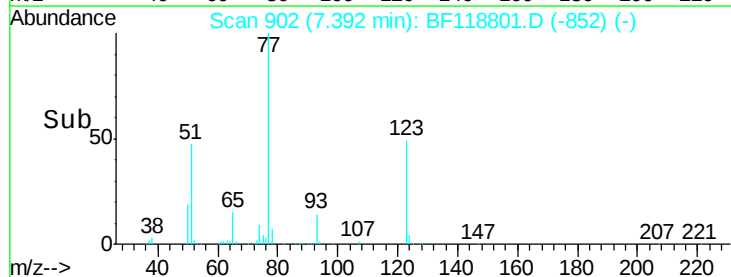
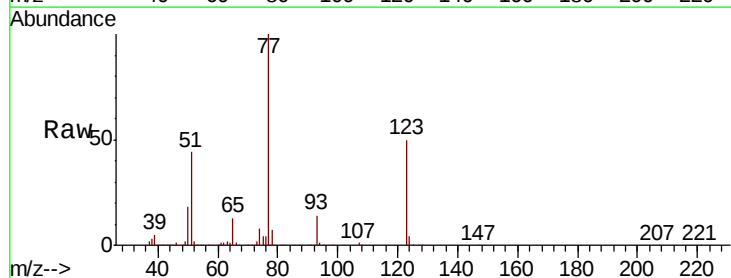
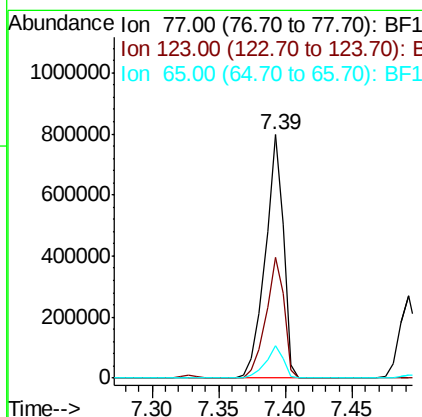
Manual Integrations
APPROVED

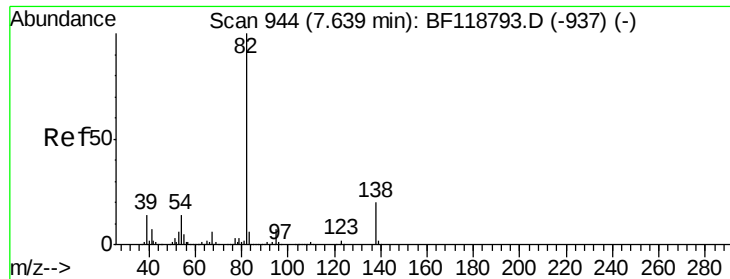
mohammad
2/6/2020 2:17:00 PM



#24
Nitrobenzene
Concen: 41.049 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.5	39.0	58.4
65	13.2	10.6	15.8





#25

Isophorone

Concen: 41.906 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Instrument :

BNA_F

ClientSampleId :

PB126569BS

Tot Ion: 82 Resp: 1374734

Ion Ratio Lower Upper

82 100

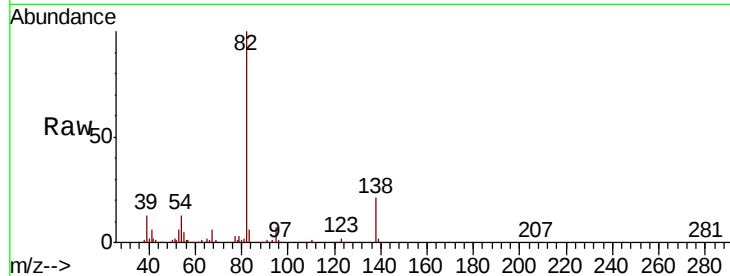
95 7.4 6.0 9.0

138 20.5 15.7 23.5

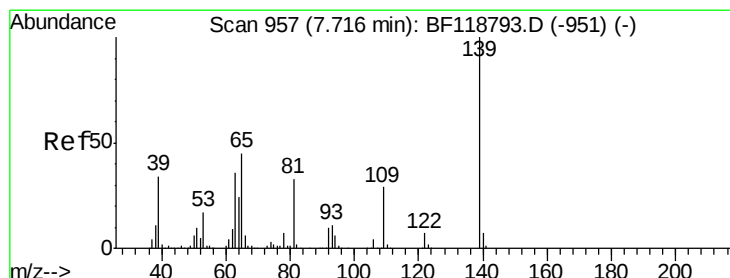
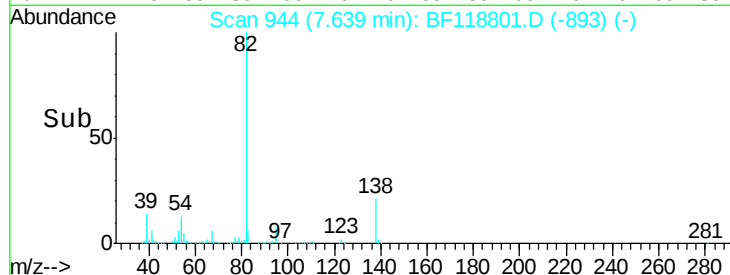
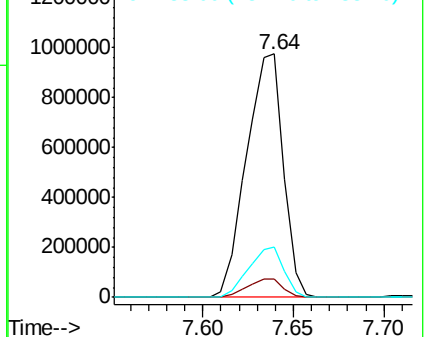
Manual Integrations
APPROVED

mohammad

2/6/2020 2:17:00 PM



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 42.206 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

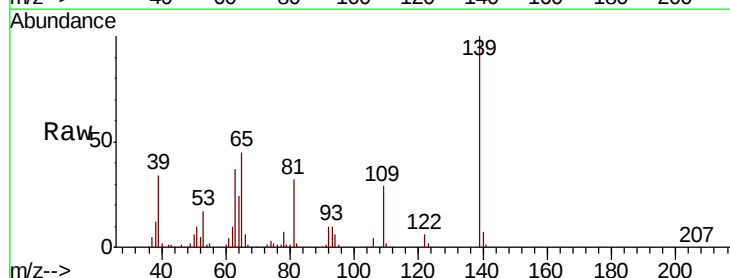
Tgt Ion: 139 Resp: 410102

Ion Ratio Lower Upper

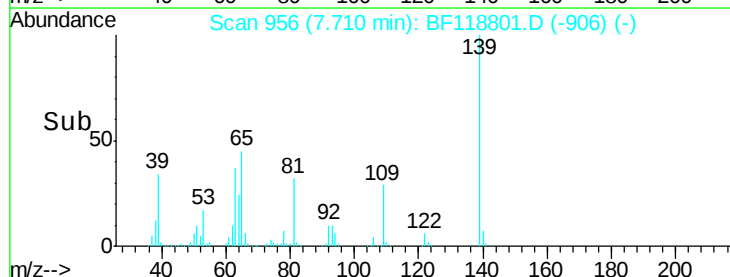
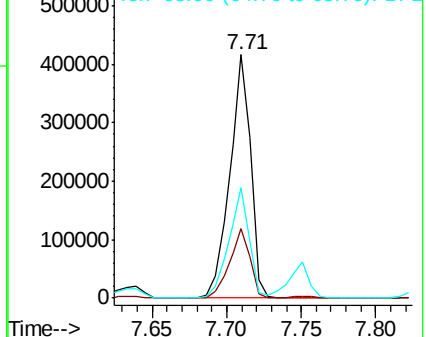
139 100

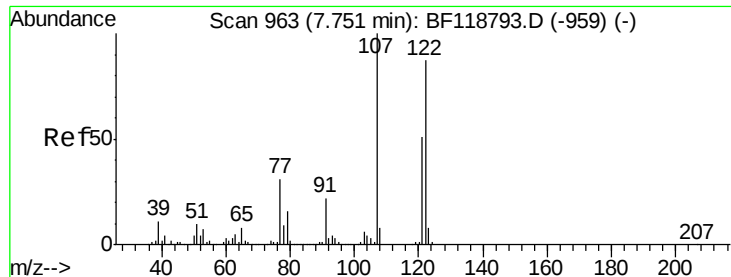
109 28.8 23.4 35.0

65 45.5 36.2 54.2



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





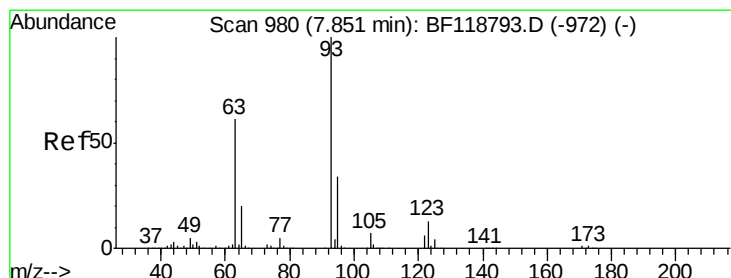
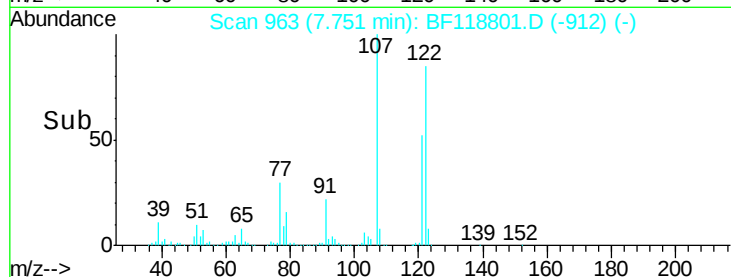
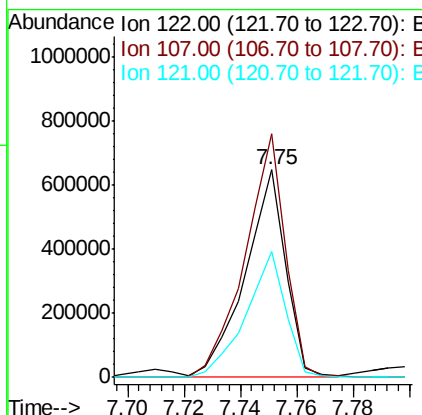
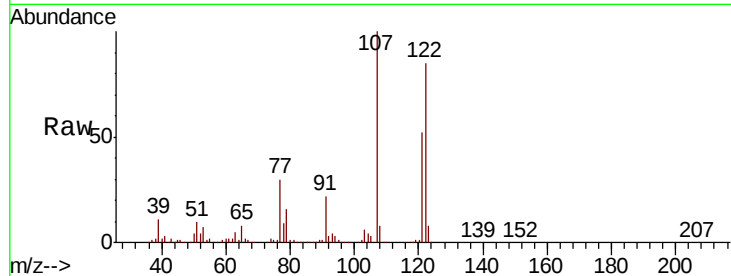
#27
2,4-Dimethylphenol
Concen: 48.639 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.4	92.2	138.2
121	60.8	46.8	70.2

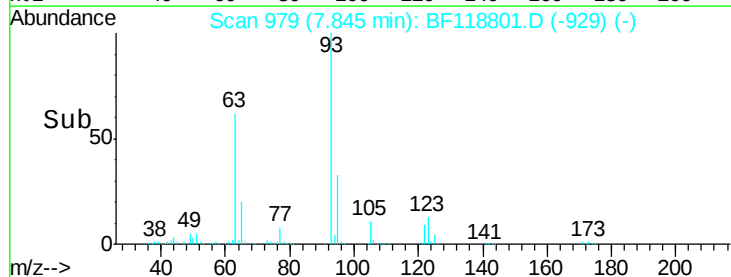
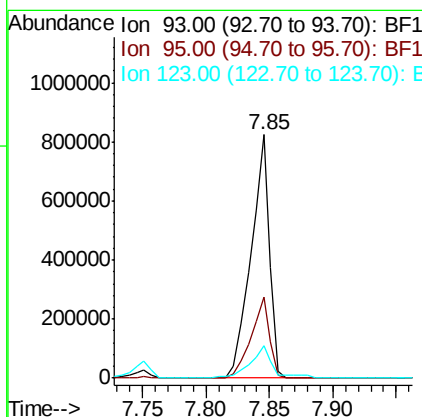
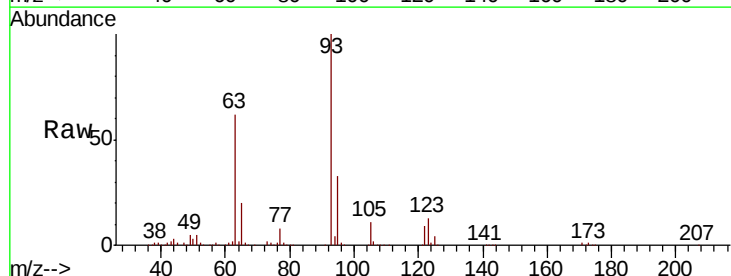
Manual Integrations
APPROVED

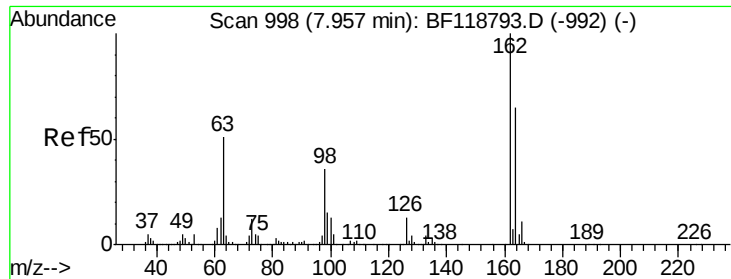
mohammad
2/6/2020 2:17:00 PM



#28
bis(2-Chloroethoxy)methane
Concen: 39.562 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	27.0	40.4
123	13.5	10.6	15.8





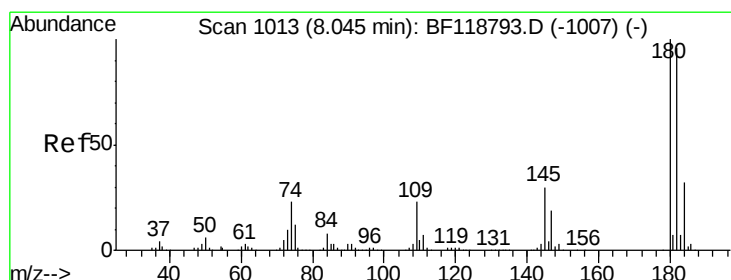
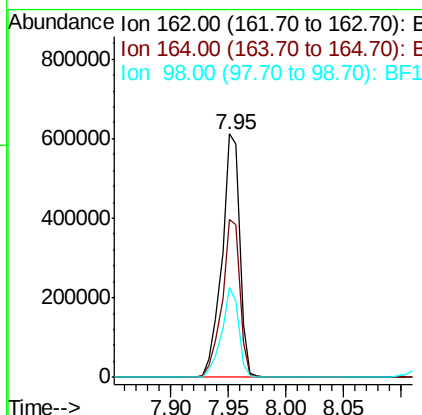
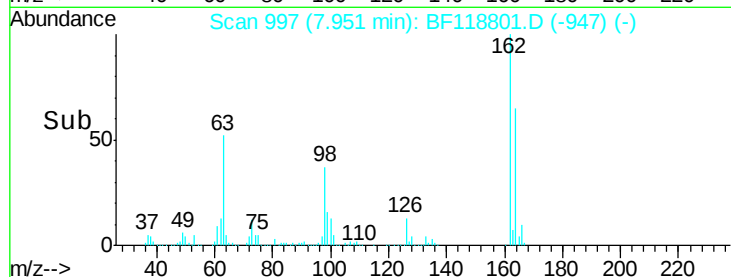
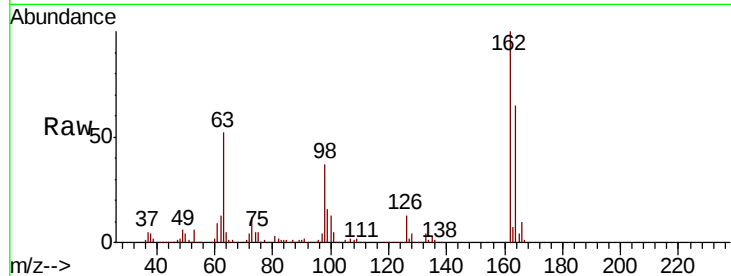
#29
2,4-Dichlorophenol
Concen: 41.721 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	659488		
164	64.9		44.8	84.8
98	37.1		16.4	56.4

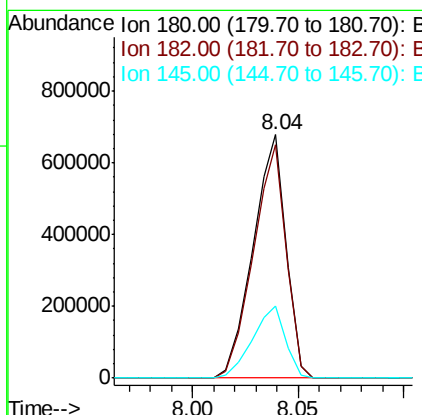
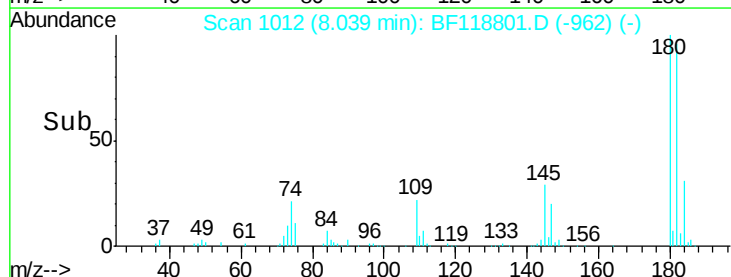
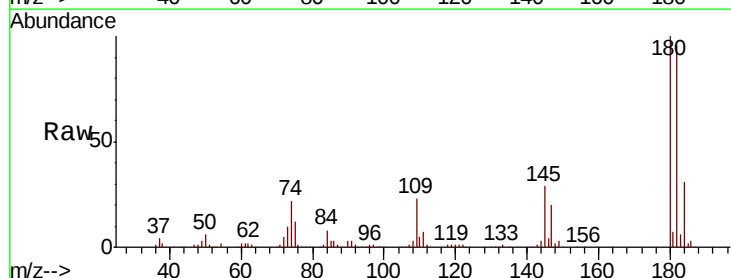
Manual Integrations
APPROVED

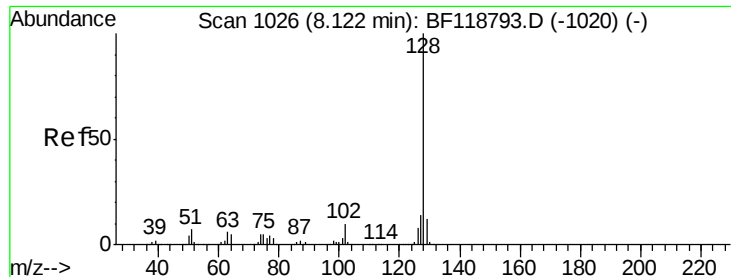
mohammad
2/6/2020 2:17:00 PM



#30
1,2,4-Trichlorobenzene
Concen: 39.567 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	731048		
182	95.8		76.6	115.0
145	29.4		24.0	36.0





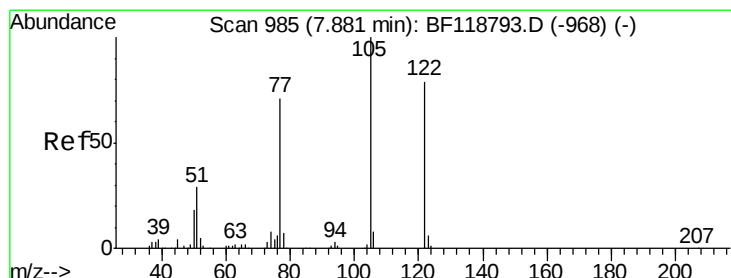
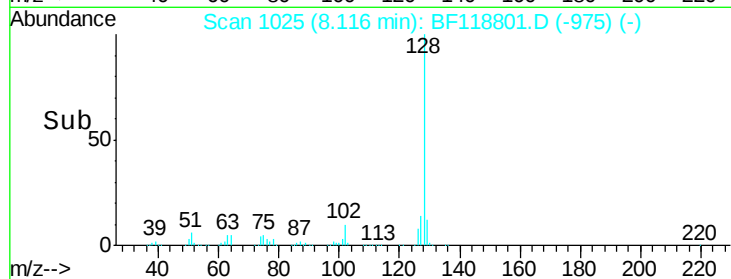
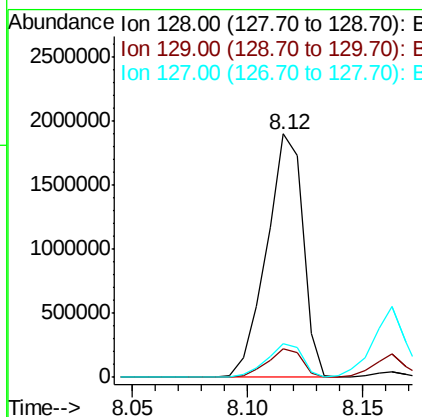
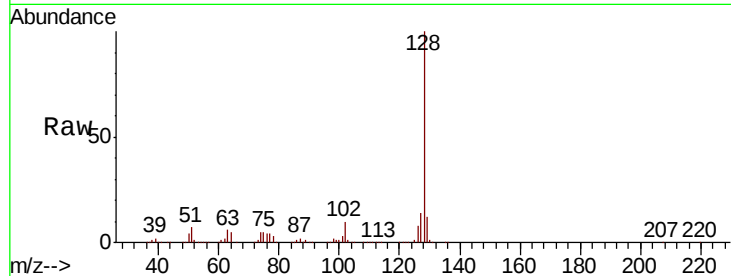
#31
Naphthalene
Concen: 41.785 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.2
127	13.8	11.3	16.9

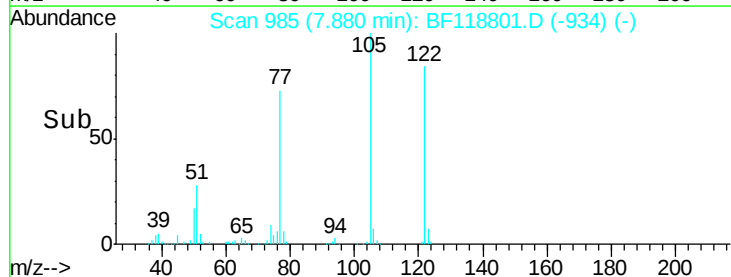
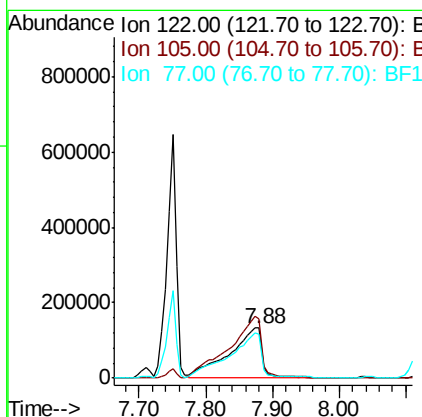
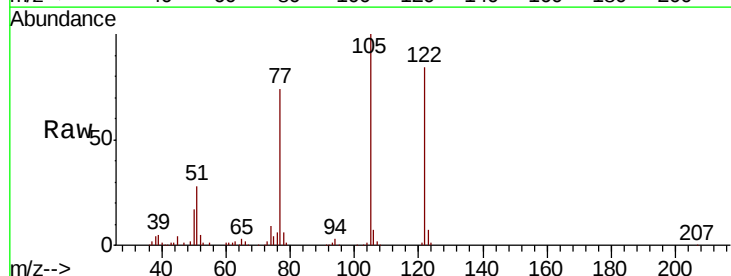
Manual Integrations
APPROVED

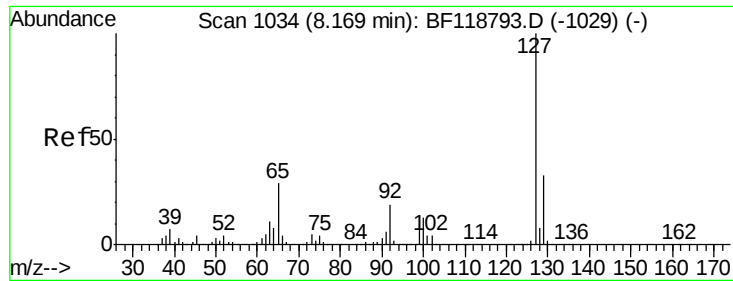
mohammad
2/6/2020 2:17:00 PM



#32
Benzoic acid
Concen: 41.441 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.0	104.4	144.4
77	87.6	69.3	109.3





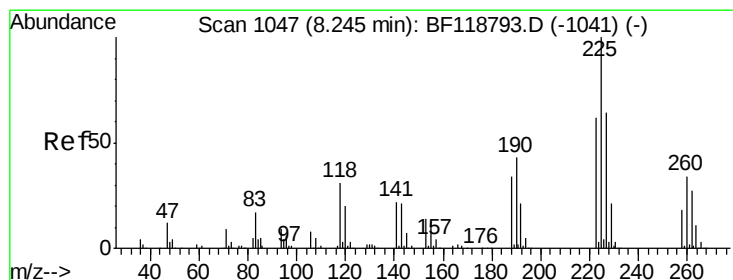
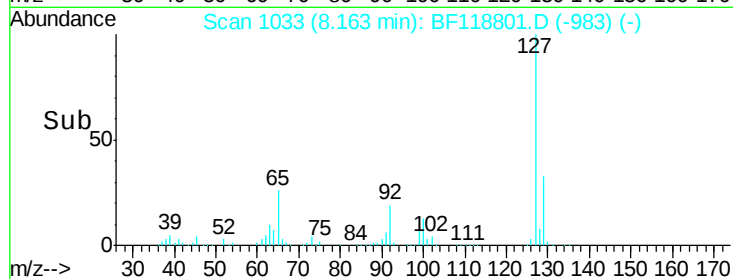
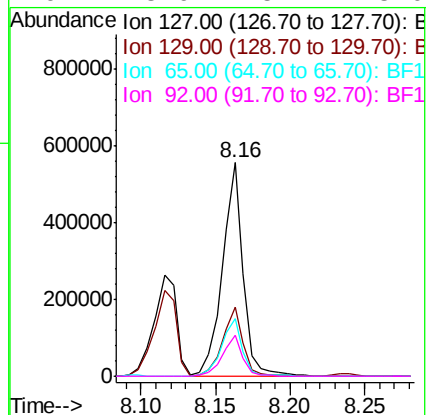
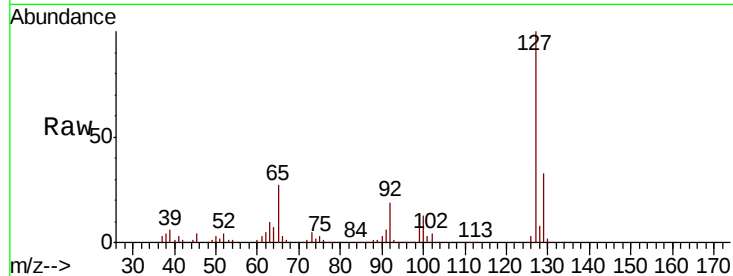
#33
 4-Chloroaniline
 Concen: 24.418 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 PB126569BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.6	26.7	40.1		
65	26.7	22.9	34.3		
92	18.9	15.4	23.0		

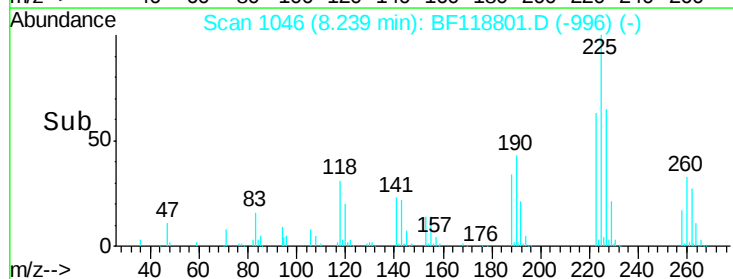
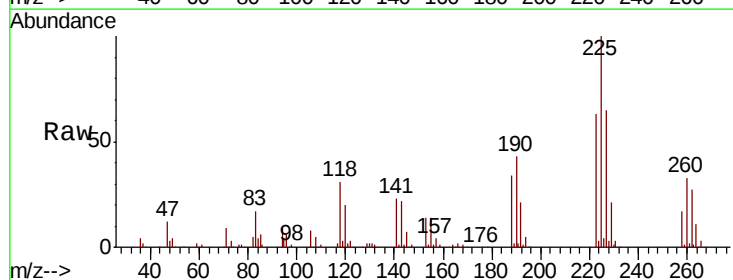
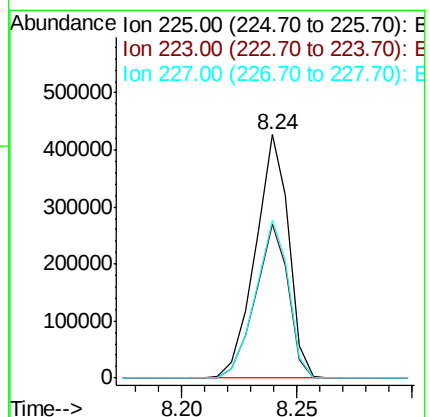
Manual Integrations
 APPROVED

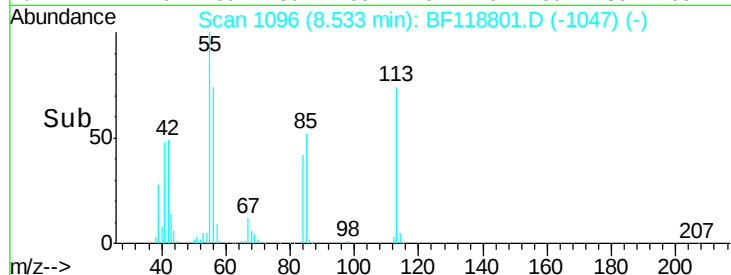
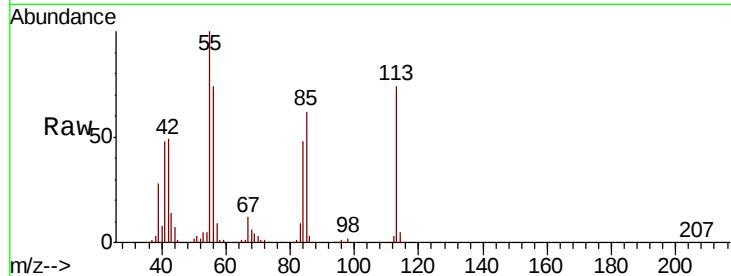
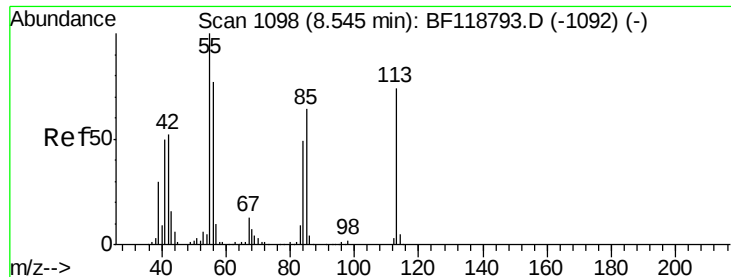
mohammad
 2/6/2020 2:17:00 PM



#34
 Hexachlorobutadiene
 Concen: 37.755 ng
 RT: 8.24 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.2	49.8	74.8		
227	65.1	51.0	76.4		





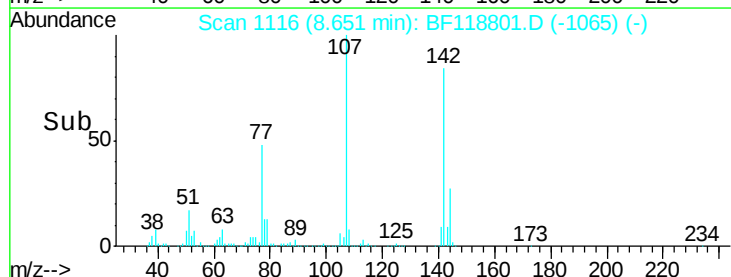
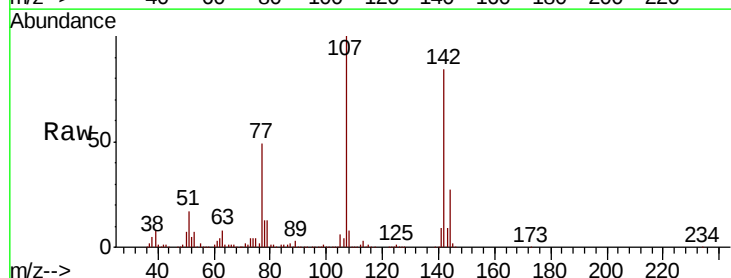
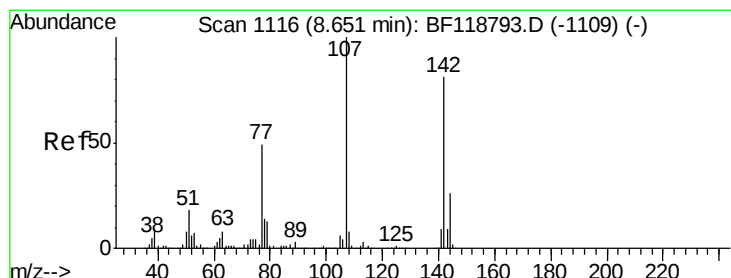
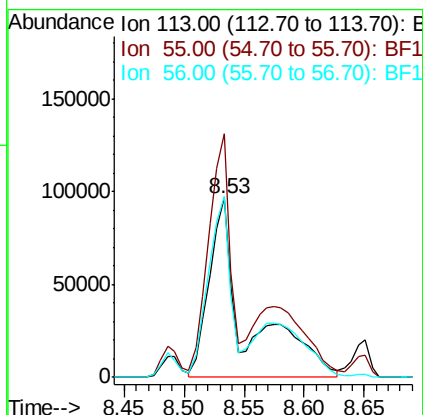
#35
Caprolactam
Concen: 40.817 ng/ml
RT: 8.53 min Scan# 1096
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	135.8	115.5	155.5	
56	100.6	83.7	123.7	

Instrument :
BNA_F
ClientSampleId :
PB126569BS

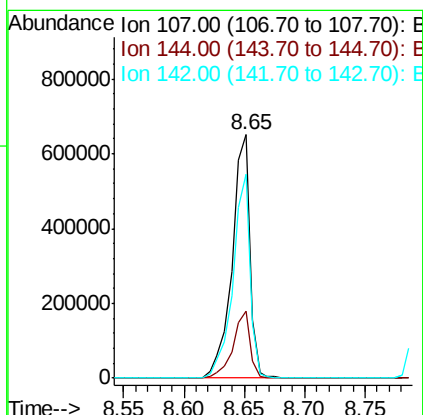
Manual Integrations
APPROVED

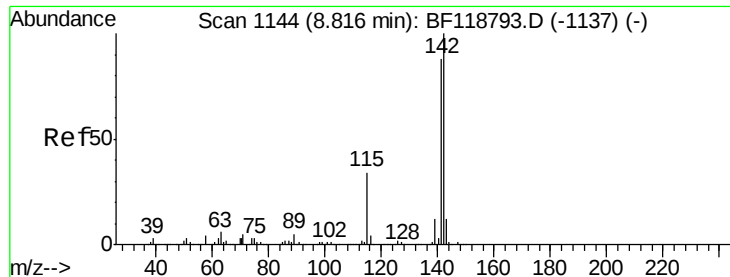
mohammad
2/6/2020 2:17:00 PM



#36
4-Chloro-3-methylphenol
Concen: 42.375 ng
RT: 8.65 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	27.4	21.0	31.6	
142	83.9	64.8	97.2	





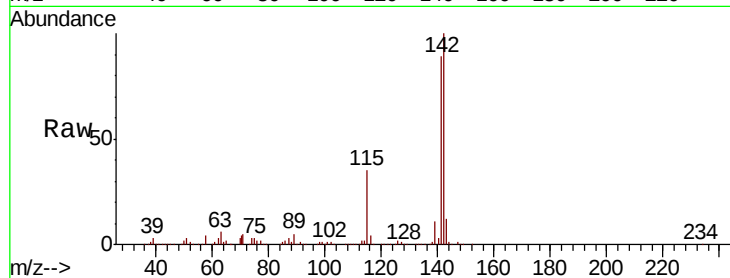
#37
2-Methylnaphthalene
Concen: 42.694 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.1	105.1
115	35.2	27.3	40.9

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM

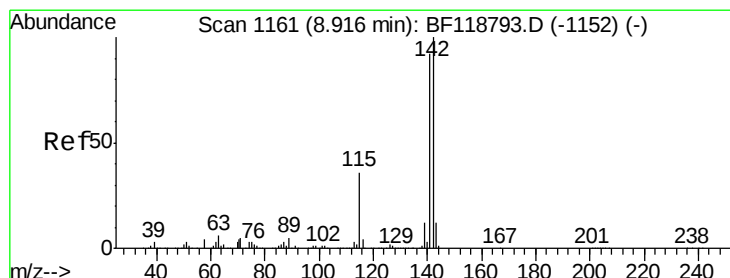
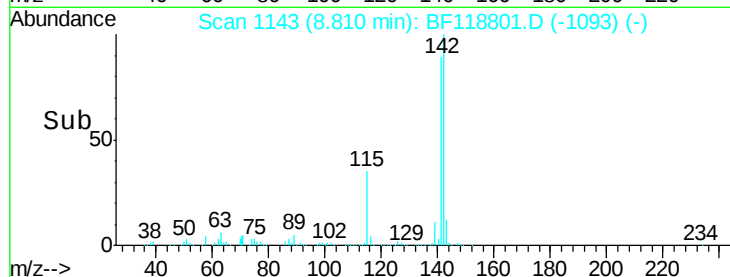
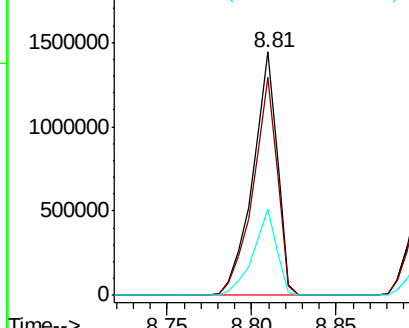


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 42.592 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

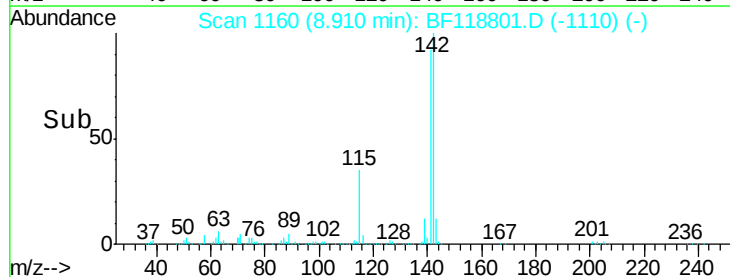
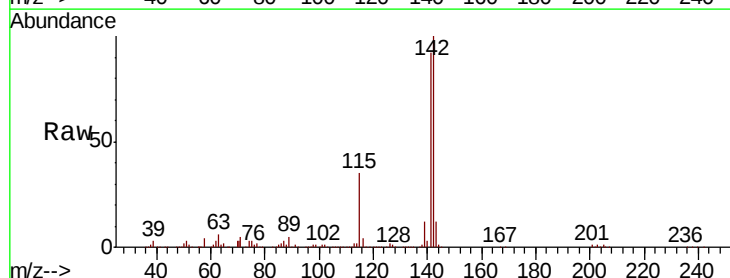
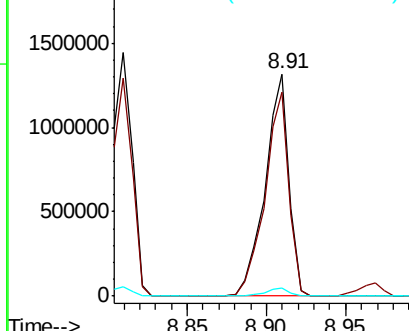
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.8	110.6
116	3.8	3.0	4.4

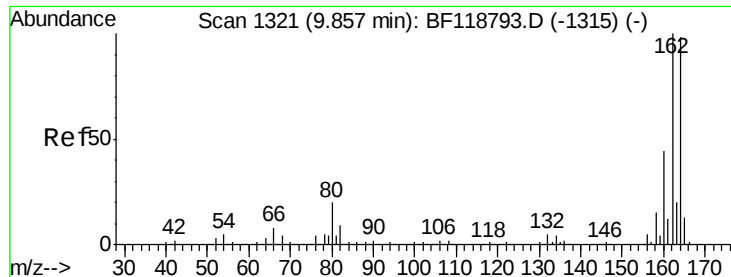
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Instrument :

BNA_F

ClientSampleId :

PB126569BS

Tot Ion:164 Resp: 640793

Ion Ratio Lower Upper

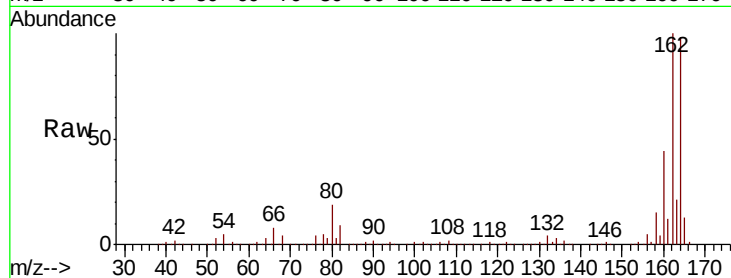
164 100

162 101.5 81.4 122.2

160 44.9 35.6 53.4

Manual Integrations
APPROVED

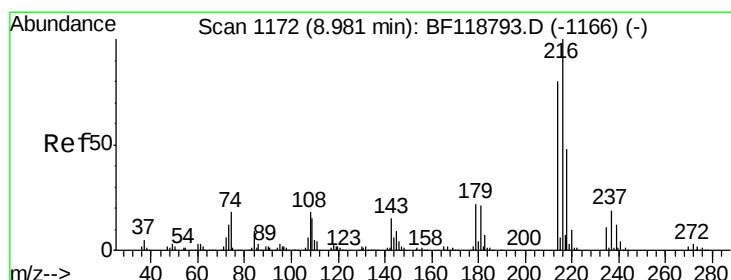
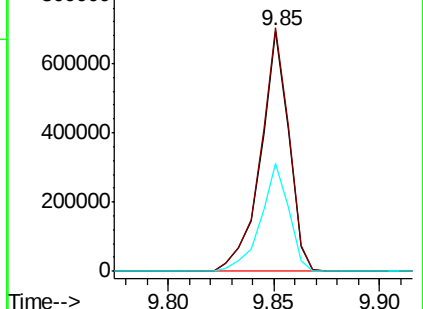
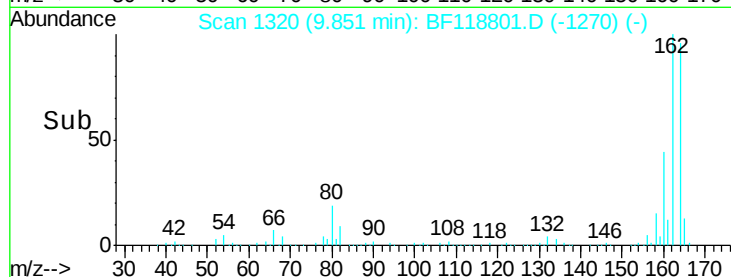
mohammad
2/6/2020 2:17:00 PM



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: 37.172 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tgt Ion:216 Resp: 718896

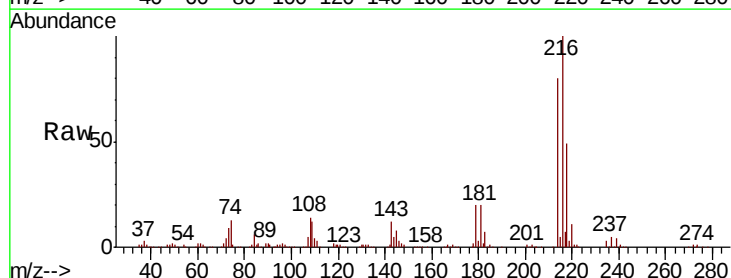
Ion Ratio Lower Upper

216 100

214 79.1 63.0 94.4

179 20.8 17.0 25.6

108 18.1 13.5 20.3

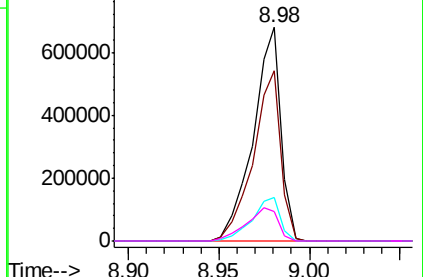
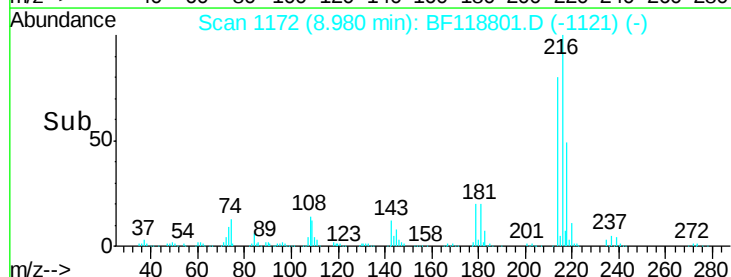


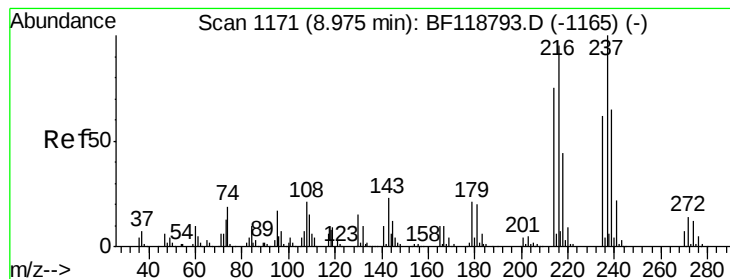
Abundance Ion 216.00 (215.70 to 216.70): E

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: 90.692 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Instrument :

BNA_F

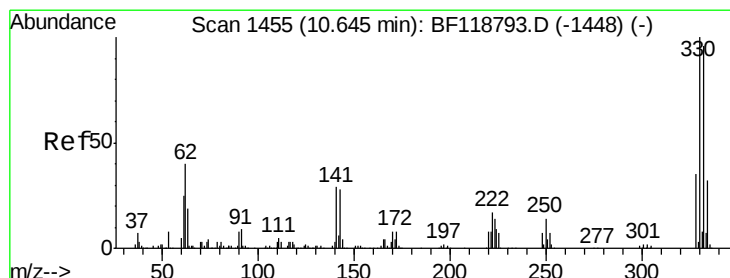
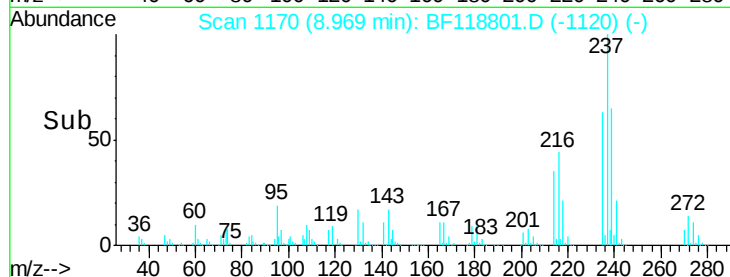
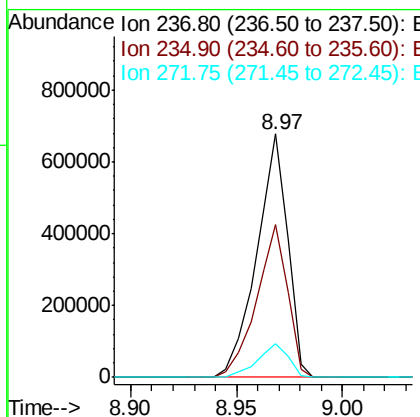
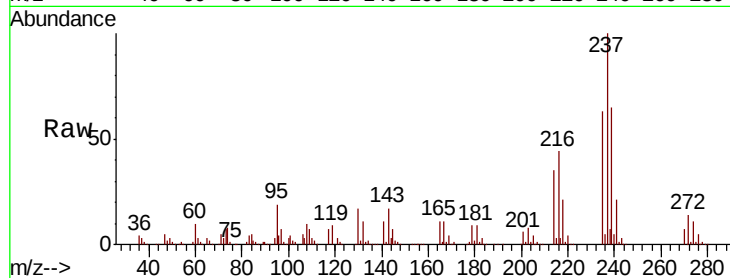
ClientSampleId :

PB126569BS

Tot Ion:	237	Resp:	687748
Ion Ratio	Lower	Upper	
237	100		
235	63.0	42.1	82.1
272	14.0	0.0	34.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



#42

2,4,6-Tribromophenol

Concen: 110.340 ng

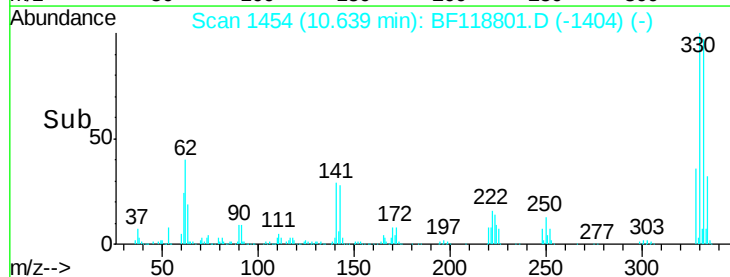
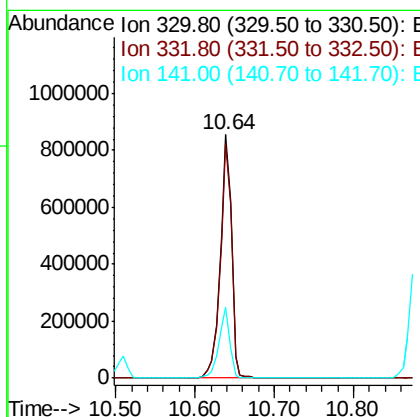
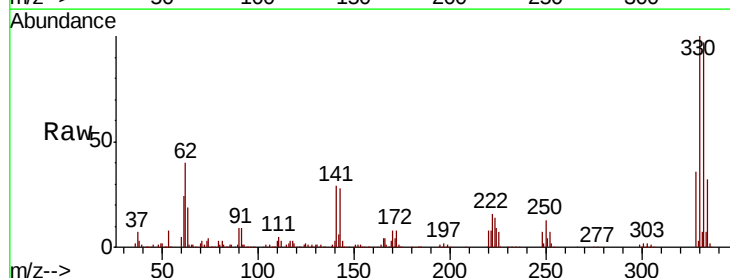
RT: 10.64 min Scan# 1454

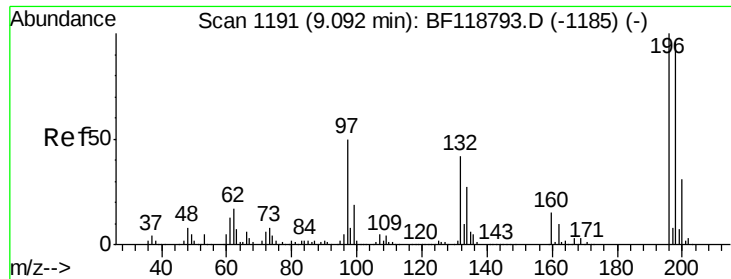
Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tgt Ion:	330	Resp:	846003
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.3	115.9
141	28.2	22.4	33.6





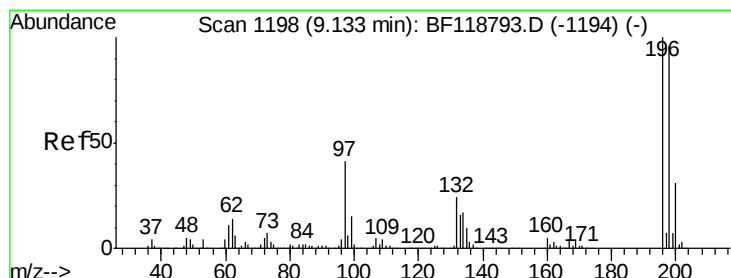
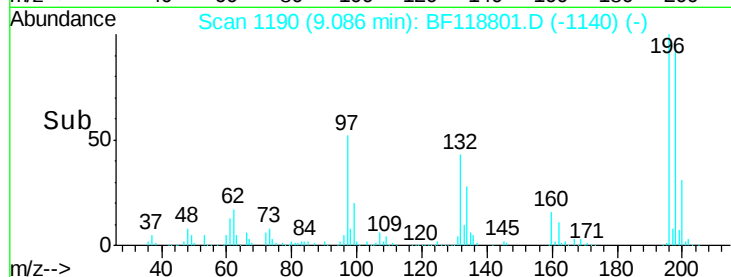
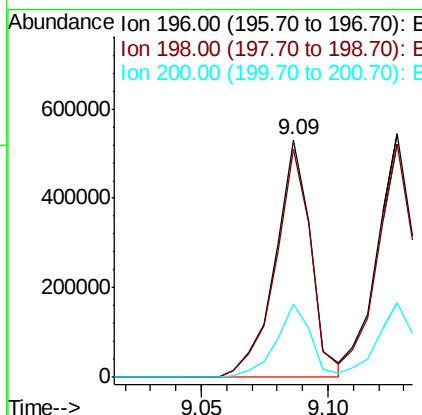
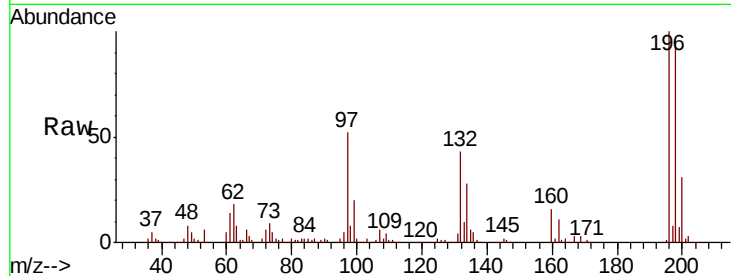
#43
 2,4,6-Trichlorophenol
 Concen: 39.644 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 PB126569BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	512701		
198	96.0	76.7	115.1	
200	30.7	24.9	37.3	

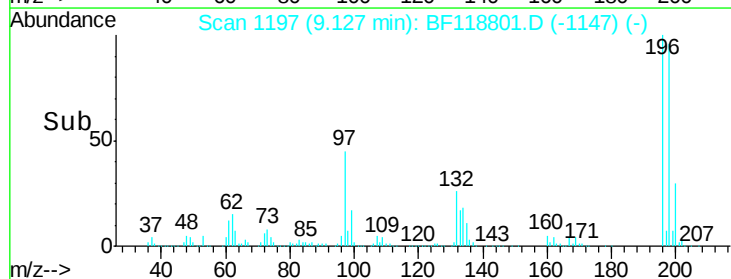
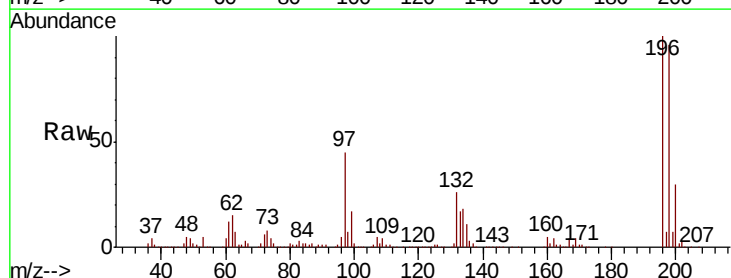
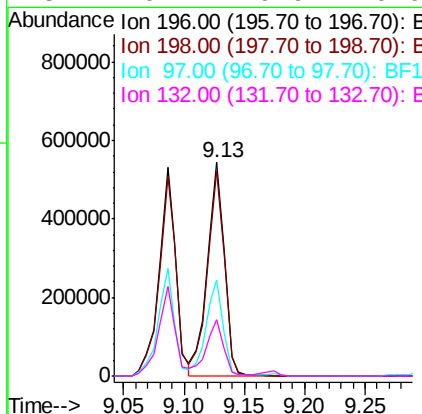
Manual Integrations
 APPROVED

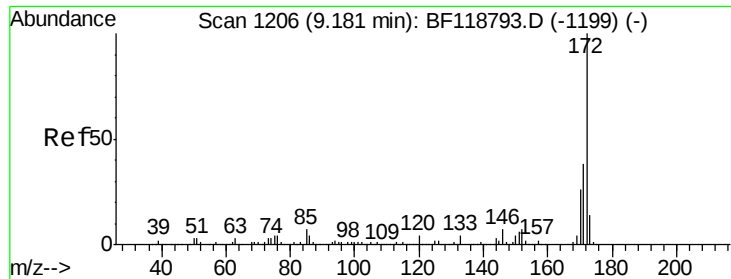
mohammad
 2/6/2020 2:17:00 PM



#44
 2,4,5-Trichlorophenol
 Concen: 40.358 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	533297		
198	96.0	77.0	115.4	
97	45.1	32.9	49.3	
132	26.4	19.9	29.9	





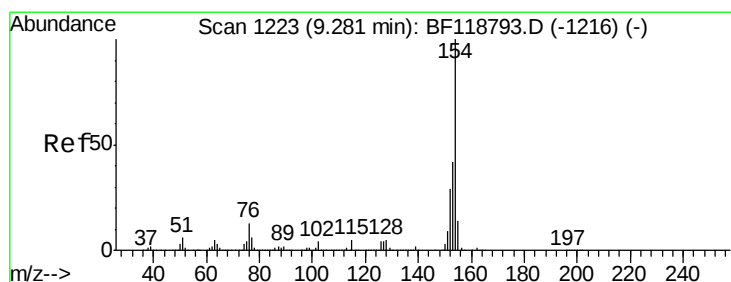
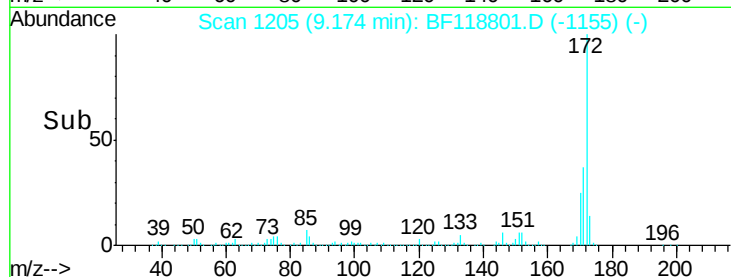
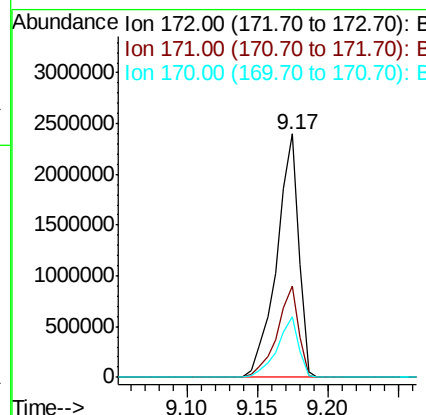
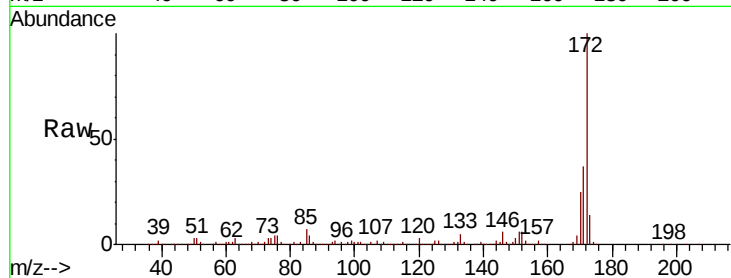
#45
2-Fluorobiphenyl
Concen: 73.115 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.8	46.2
170	24.8	20.5	30.7

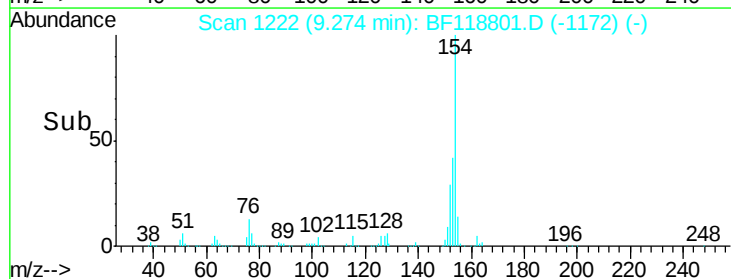
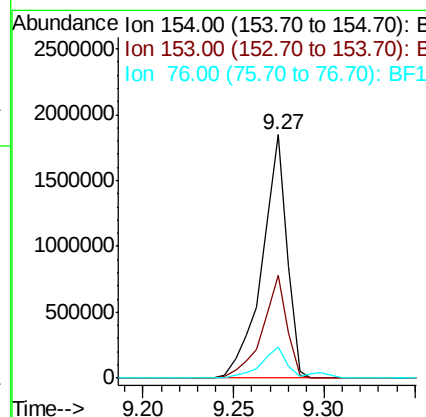
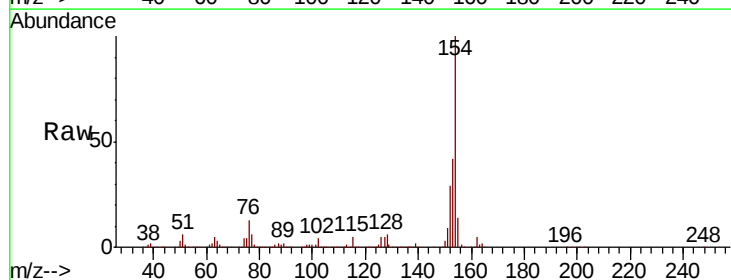
Manual Integrations
APPROVED

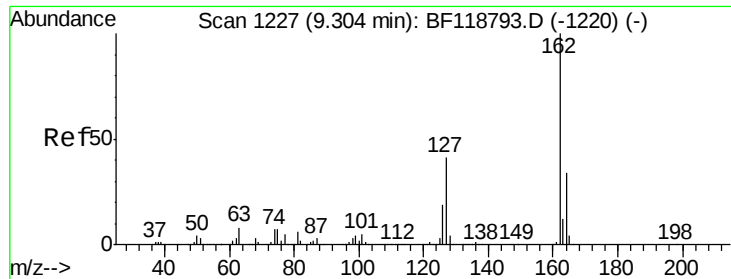
mohammad
2/6/2020 2:17:00 PM



#46
1,1'-Biphenyl
Concen: 39.988 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	22.4	62.4
76	12.8	0.0	32.7





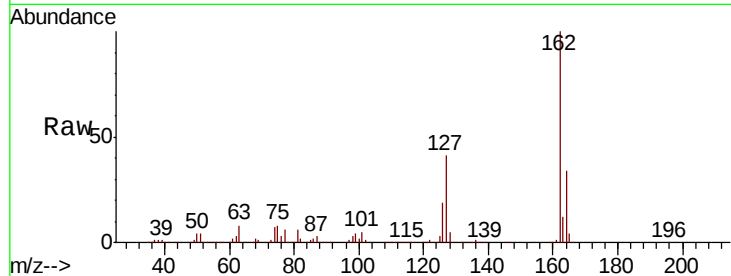
#47
2-Chloronaphthalene
Concen: 38.329 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

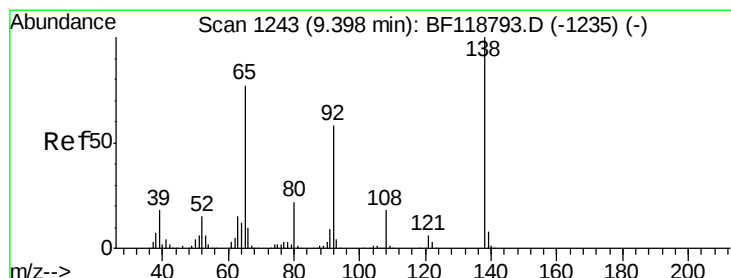
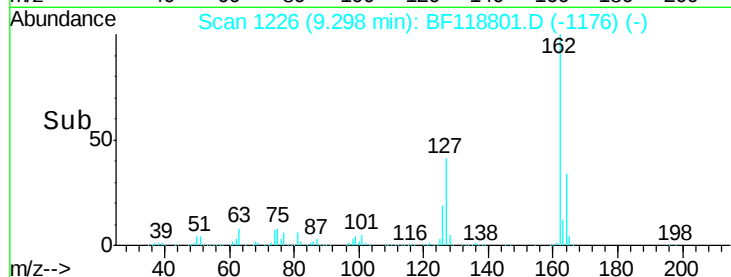
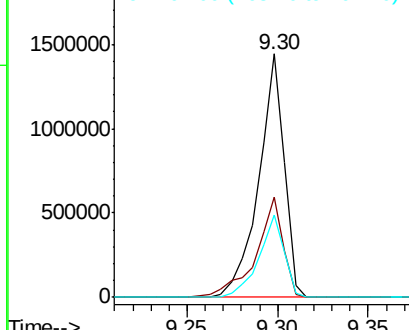
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.3	49.9
164	33.9	27.1	40.7

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM

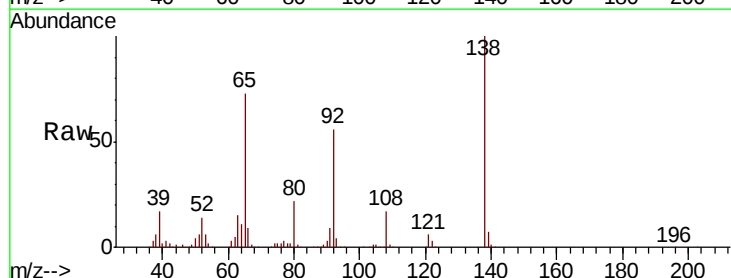


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

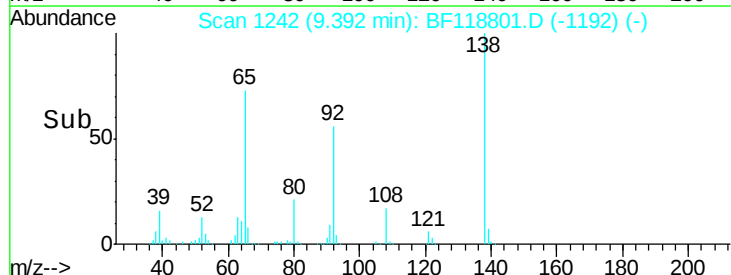
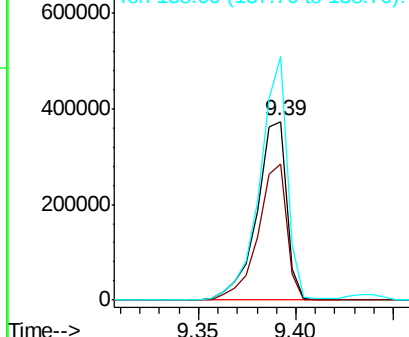


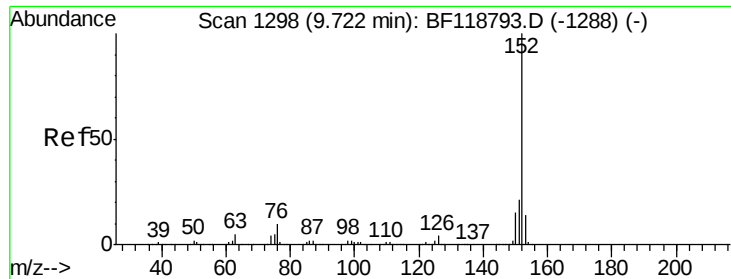
#48
2-Nitroaniline
Concen: 37.306 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.9	60.6	91.0
138	136.1	104.6	156.8



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: 42.086 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Instrument :

BNA_F

ClientSampleId :

PB126569BS

Tot Ion:152 Resp: 2239269

Ion Ratio Lower Upper

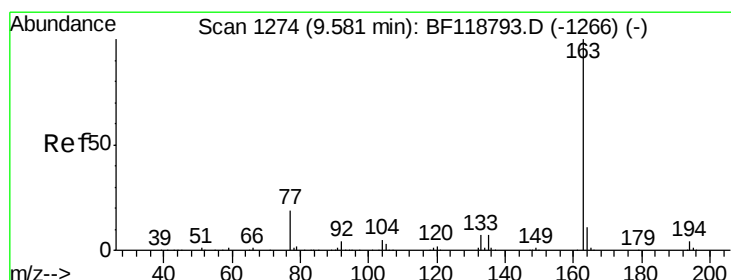
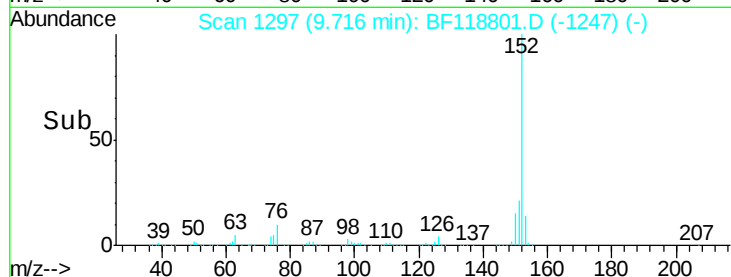
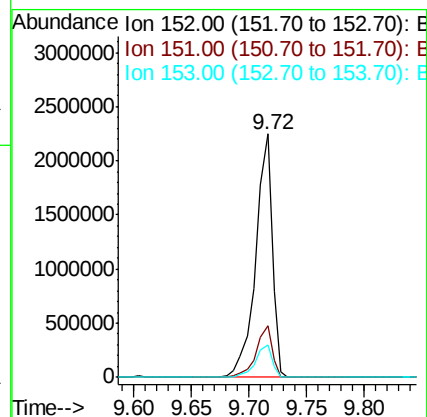
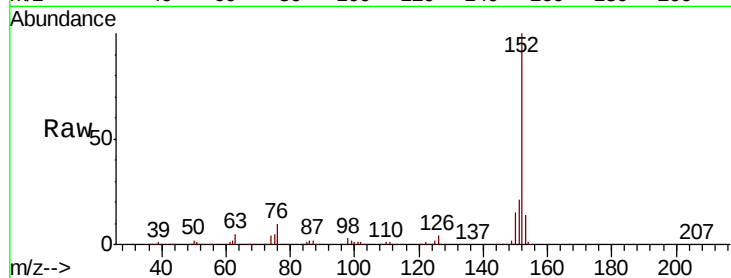
152 100

151 21.2 17.1 25.7

153 13.6 11.0 16.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



#50

Dimethylphthalate

Concen: 39.261 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

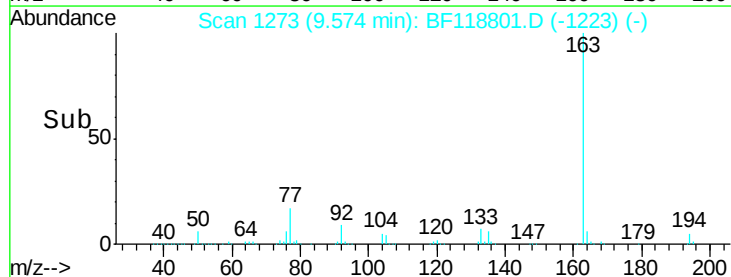
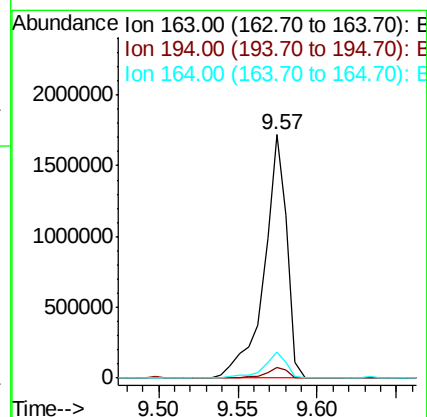
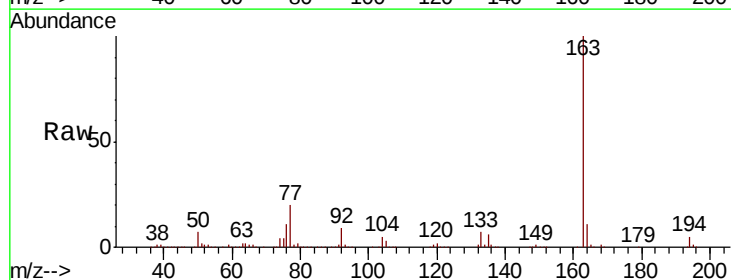
Tgt Ion:163 Resp: 1713055

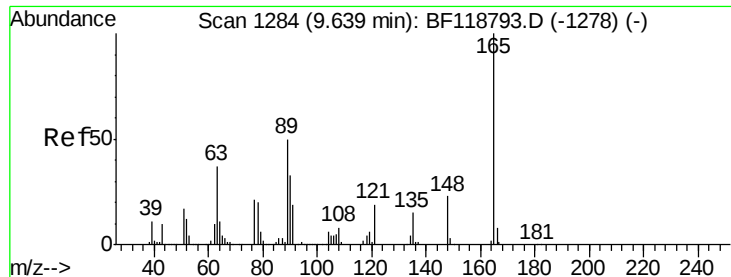
Ion Ratio Lower Upper

163 100

194 4.6 3.6 5.4

164 10.6 8.7 13.1





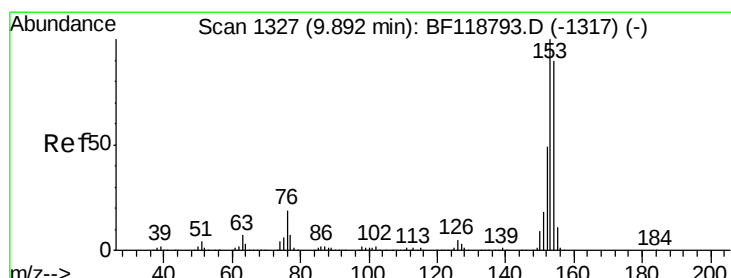
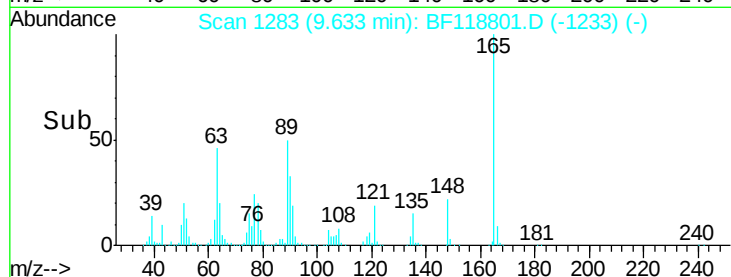
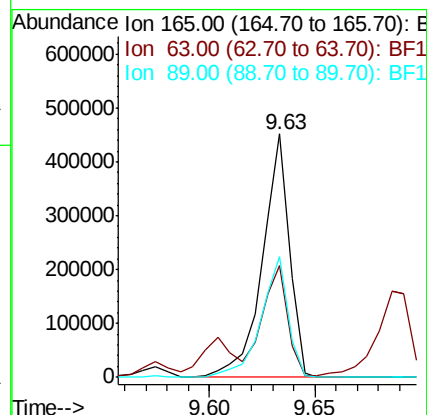
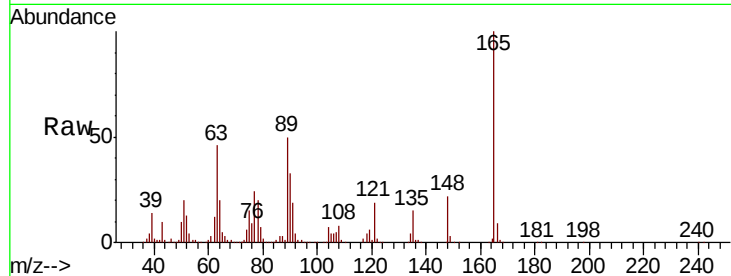
#51
2,6-Dinitrotoluene
Concen: 40.533 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	404656		
63	46.1		37.4	56.0
89	49.6		39.7	59.5

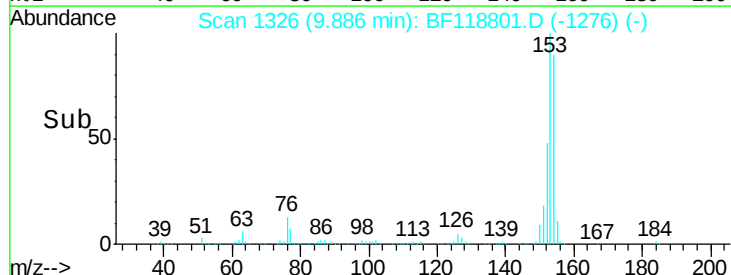
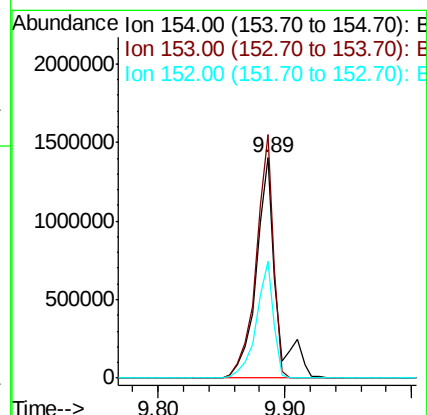
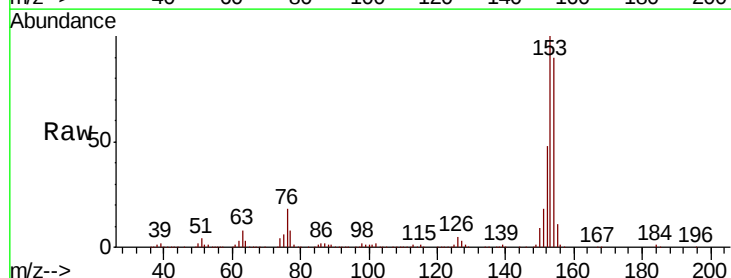
Manual Integrations
APPROVED

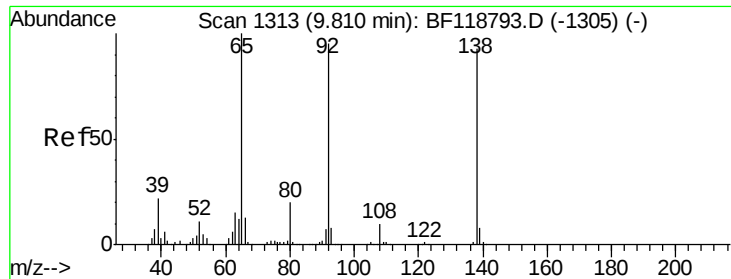
mohammad
2/6/2020 2:17:00 PM



#52
Acenaphthene
Concen: 44.189 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1549324		
153	110.6		89.4	134.0
152	53.4		43.6	65.4





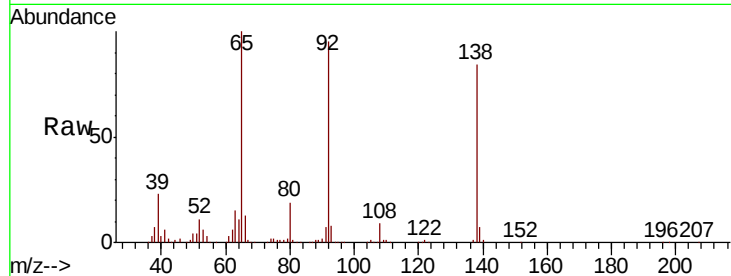
#53
3-Nitroaniline
Concen: 26.260 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

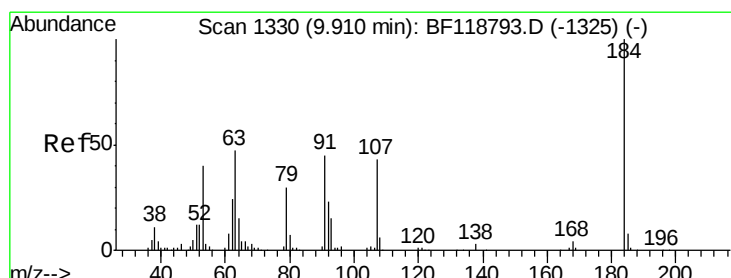
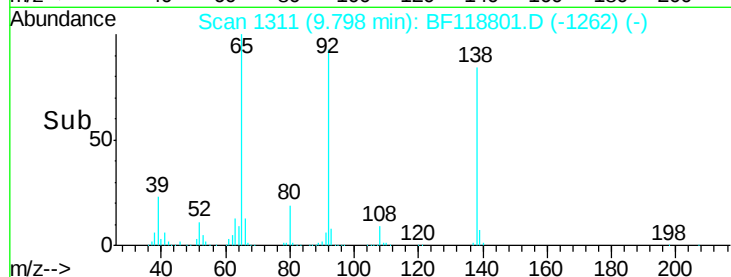
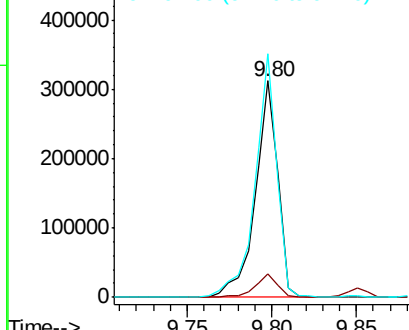
Tot Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.5	12.7
92	112.6	82.2	123.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



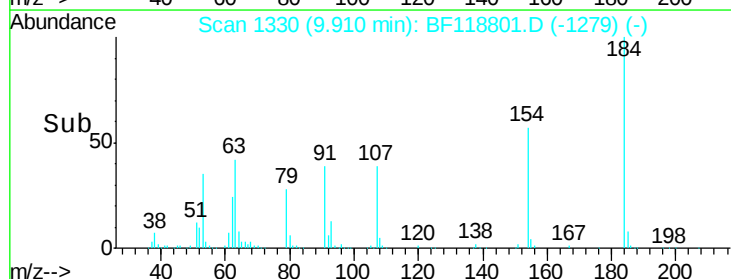
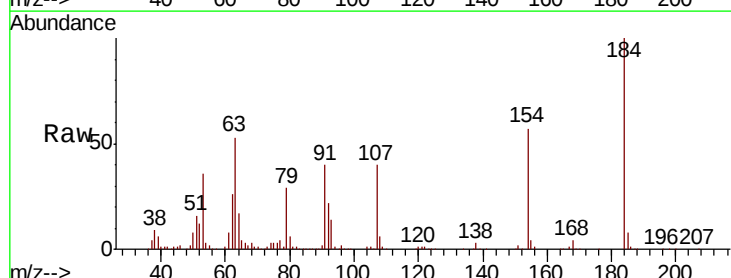
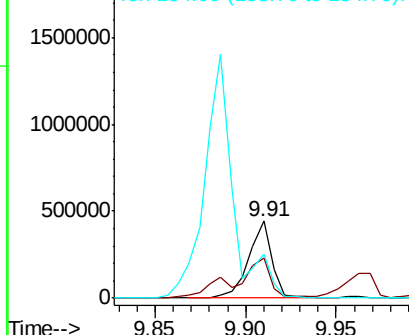
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

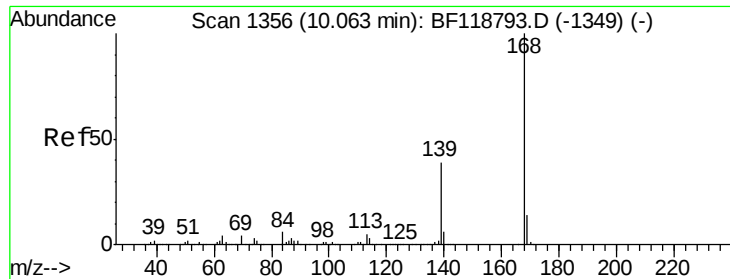


#54
2,4-Dinitrophenol
Concen: 83.614 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	52.8	47.5	71.3
154	56.7	48.6	72.8

Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





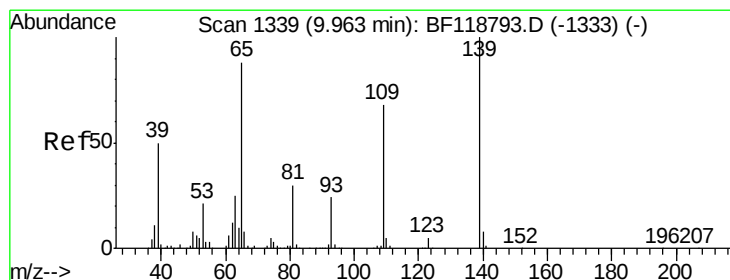
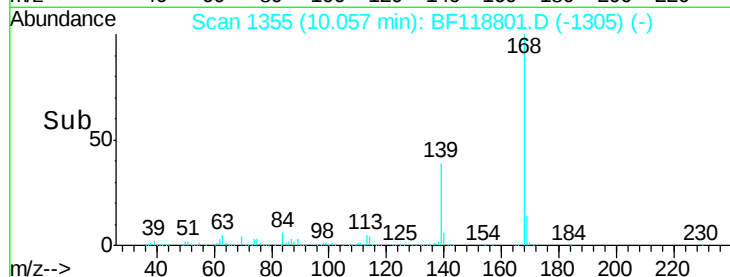
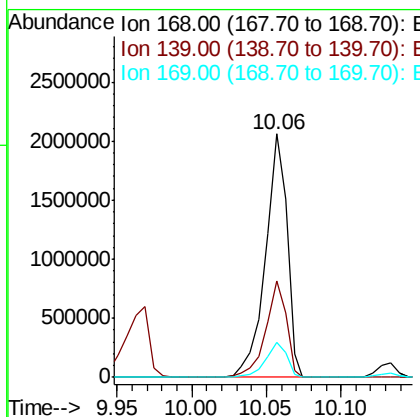
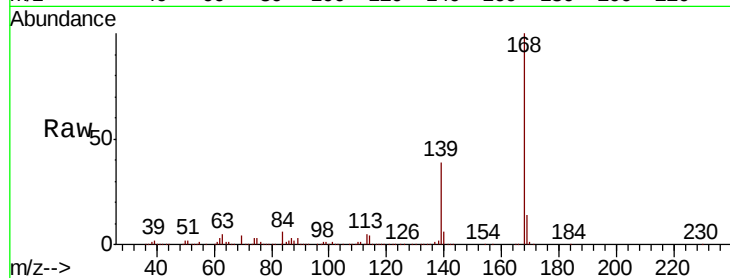
#55
Dibenzofuran
Concen: 40.462 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampled :
PB126569BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.6	47.4
169	14.2	11.4	17.2

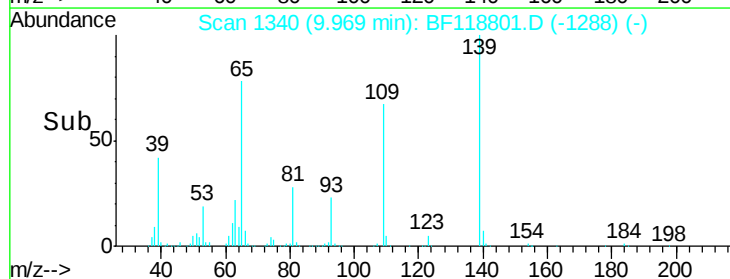
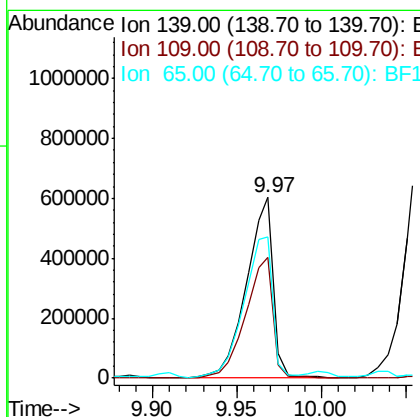
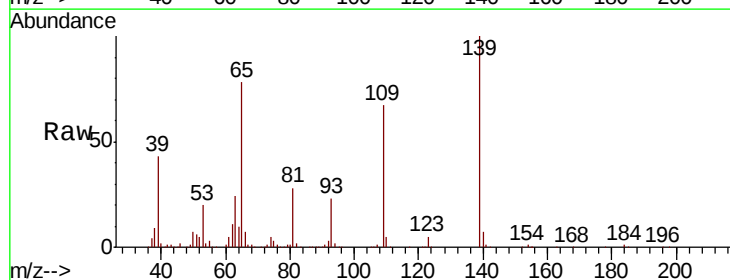
Manual Integrations
APPROVED

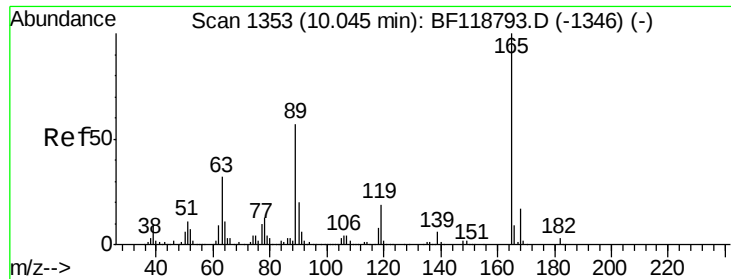
mohammad
2/6/2020 2:17:00 PM



#56
4-Nitrophenol
Concen: 83.219 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.2	48.0	88.0
65	78.3	68.3	108.3





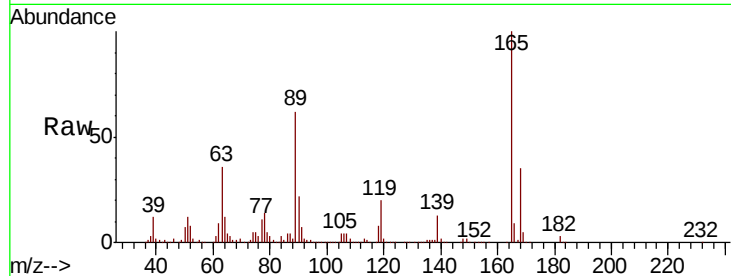
#57
2,4-Dinitrotoluene
Concen: 41.484 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	548085		
63	36.4	25.5	38.3	
89	61.9	45.4	68.0	
182	3.2	2.4	3.6	

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM

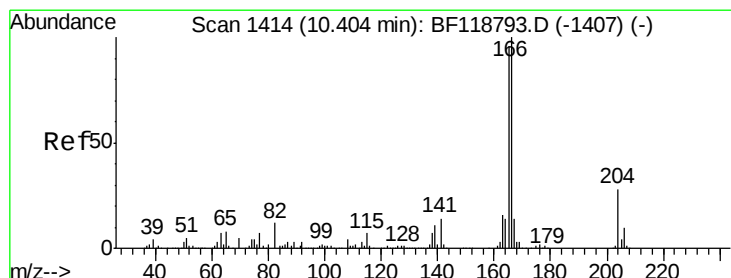
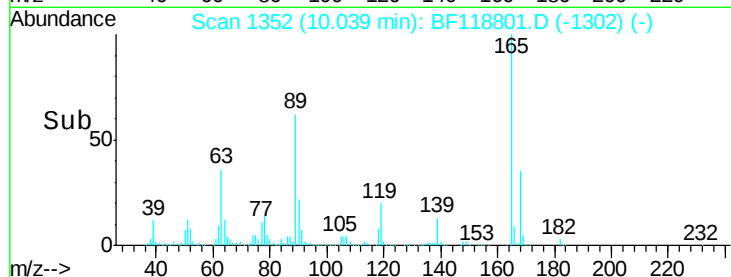
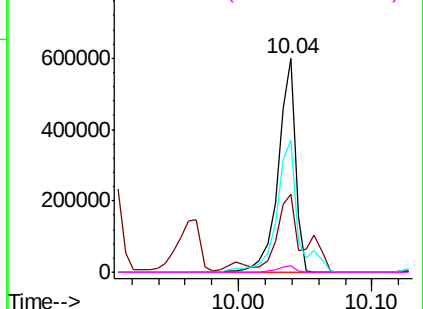


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

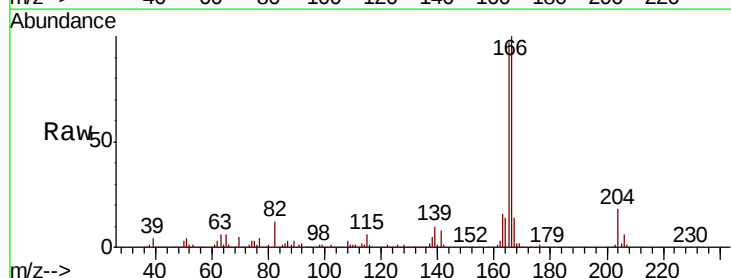
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 40.514 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

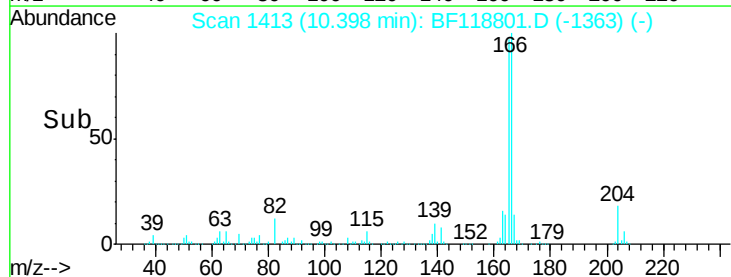
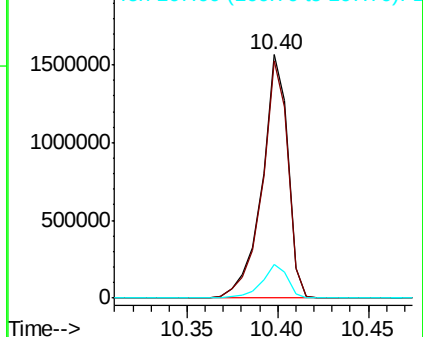
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1544358		
165	97.3	77.0	115.6	
167	13.9	11.1	16.7	

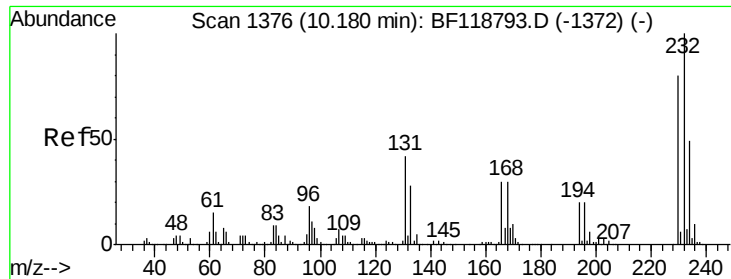


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





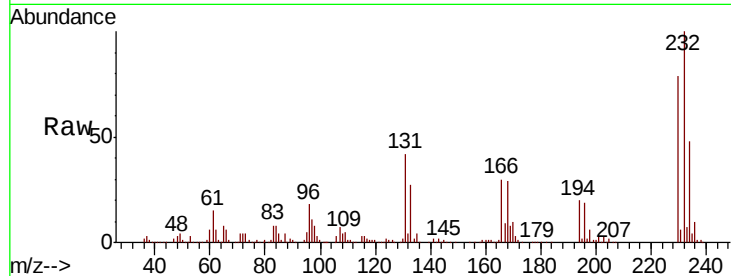
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.647 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 PB126569BS

Tot Ion	Ratio	Lower	Upper
232	100		
131	40.8	31.8	47.6
130	1.9	1.6	2.4
166	28.5	23.1	34.7

Manual Integrations
 APPROVED

mohammad
 2/6/2020 2:17:00 PM



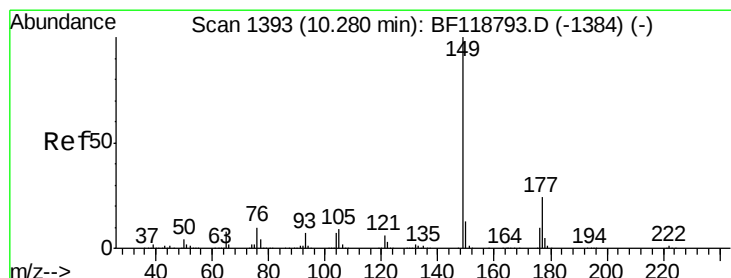
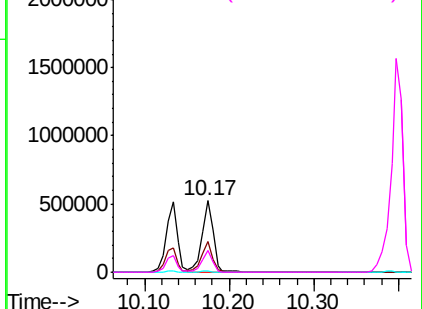
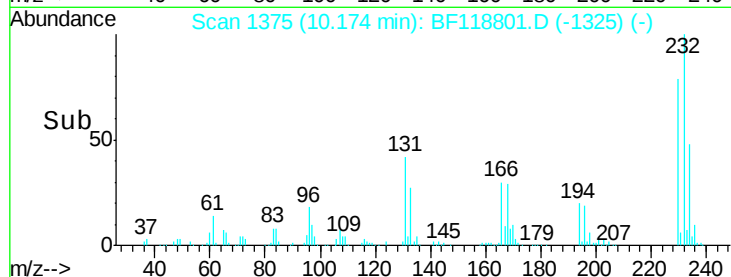
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

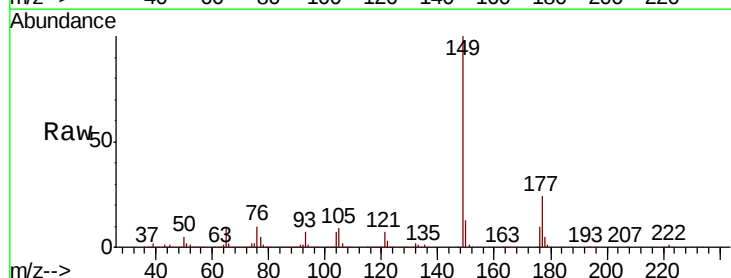
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 40.070 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.8	19.3	28.9
150	13.1	10.4	15.6

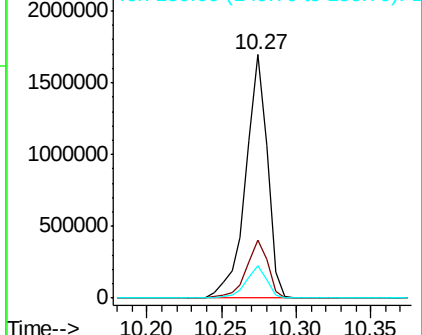
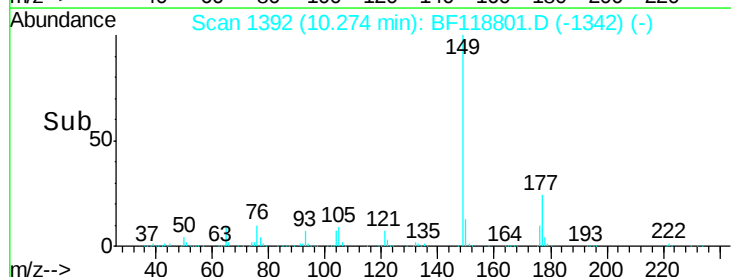


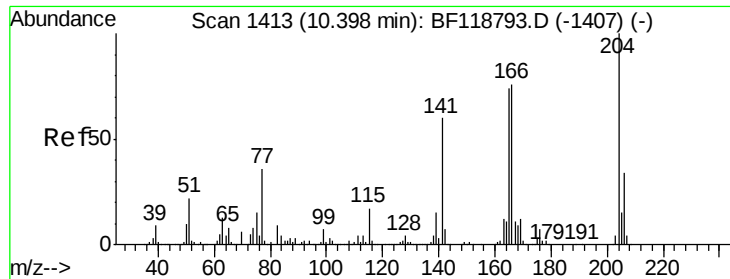
Abundance

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





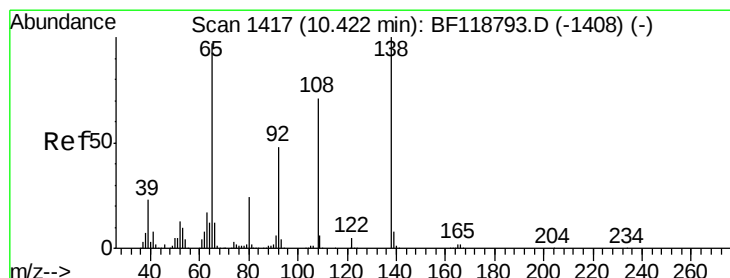
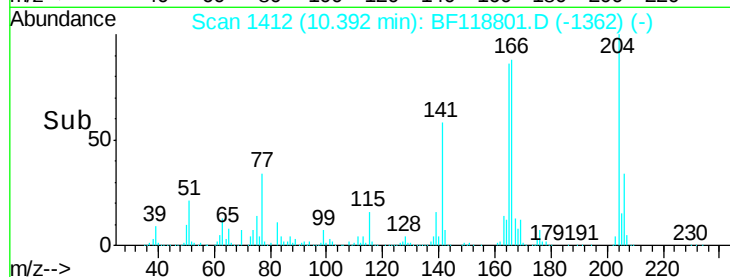
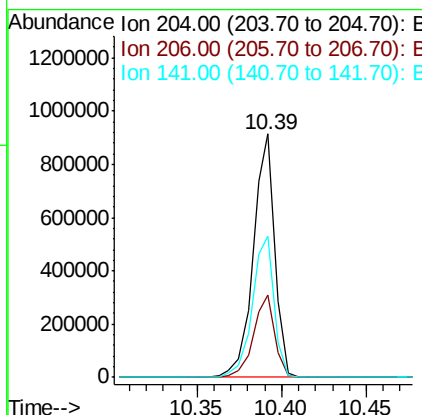
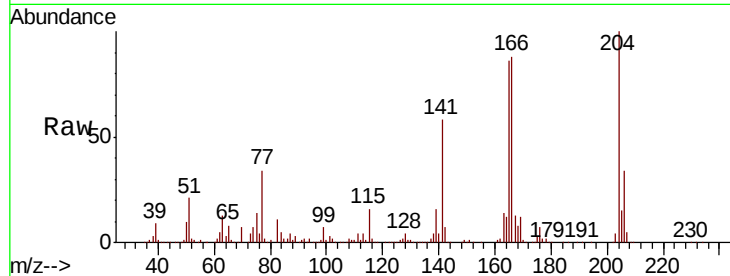
#61
4-Chlorophenyl-phenylether
Concen: 39.417 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.0	27.4	41.2
141	57.8	47.8	71.6

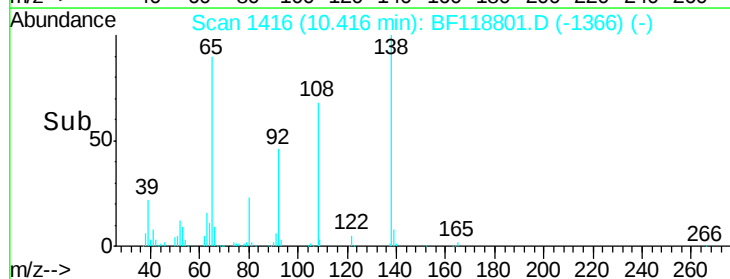
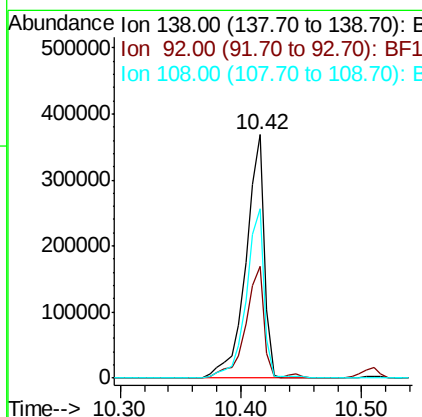
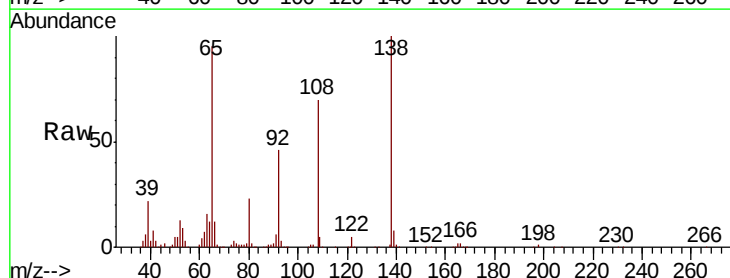
Manual Integrations
APPROVED

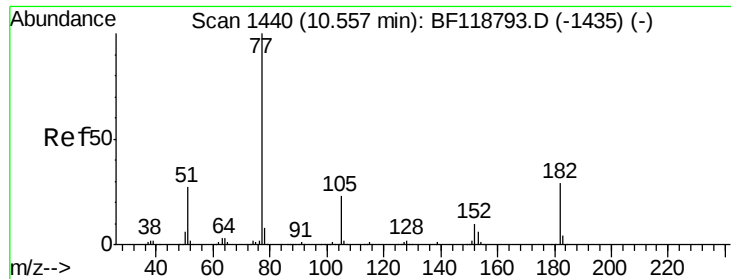
mohammad
2/6/2020 2:17:00 PM



#62
4-Nitroaniline
Concen: 35.407 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.0	27.6	67.6
108	69.6	51.3	91.3





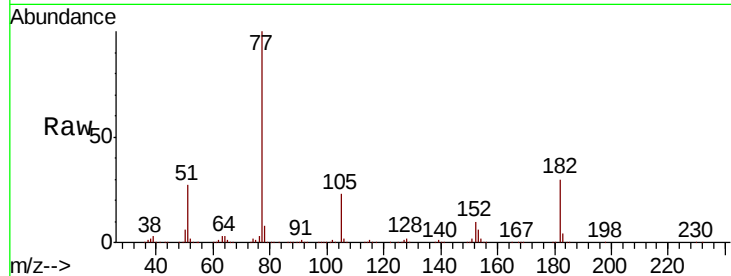
#63
Azobenzene
Concen: 41.871 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

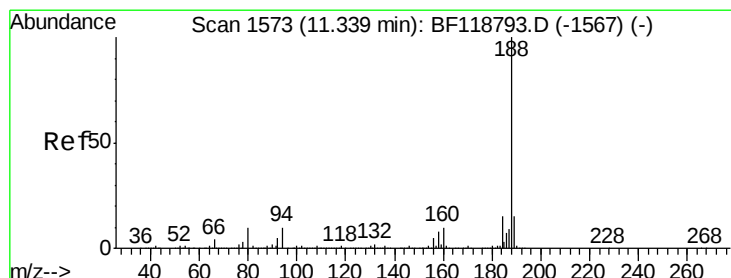
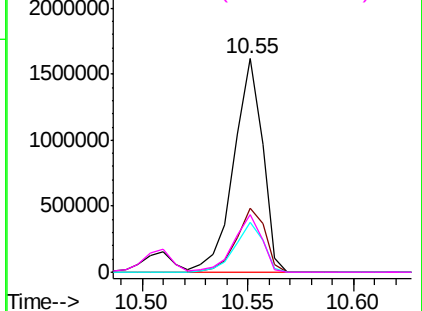
Tot Ion	Ratio	Lower	Upper
77	100		
182	29.8	9.2	49.2
105	23.2	3.1	43.1
51	27.3	7.4	47.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM

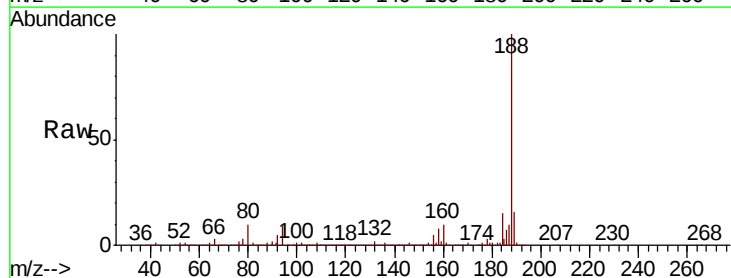


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

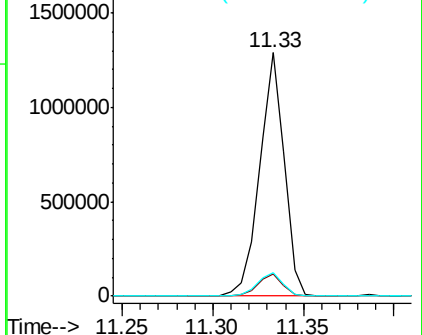


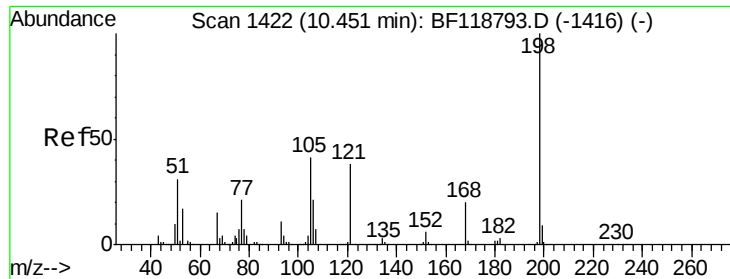
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.9	11.9
80	9.7	8.4	12.6



Abundance Ion 188.00 (187.70 to 188.70): BF1
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





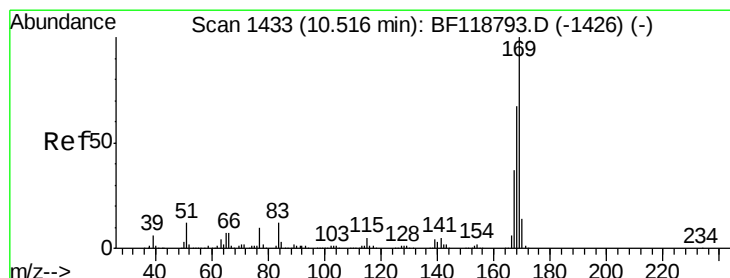
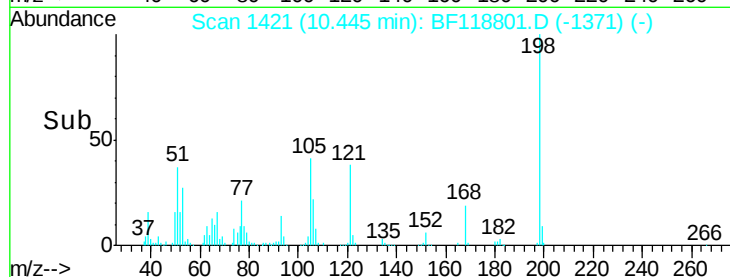
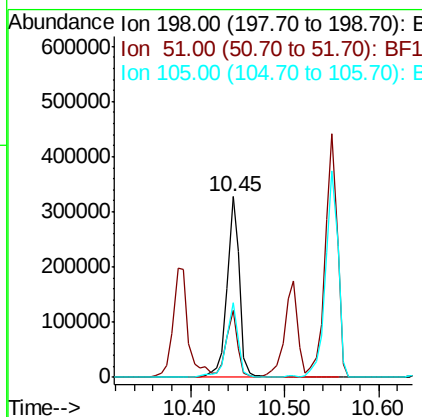
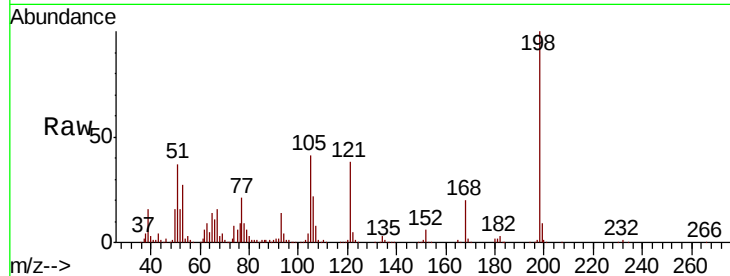
#65
4,6-Dinitro-2-methylphenol
Concen: 43.954 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	299788		
51	37.2	16.7	56.7	
105	41.3	22.0	62.0	

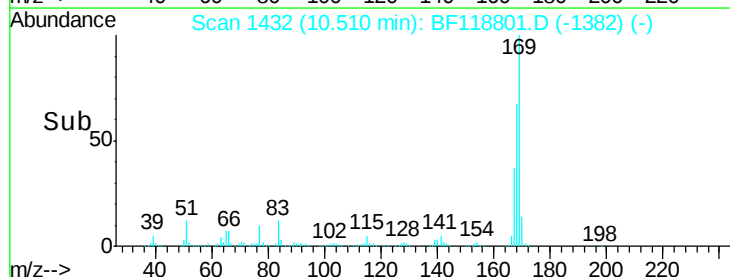
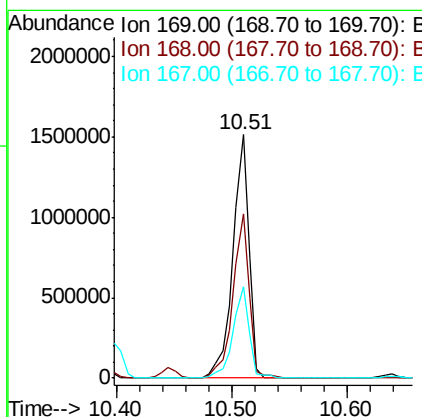
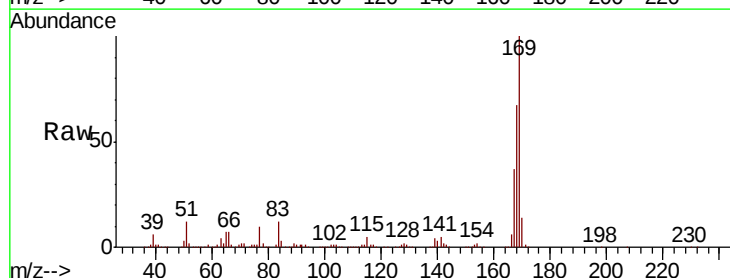
Manual Integrations
APPROVED

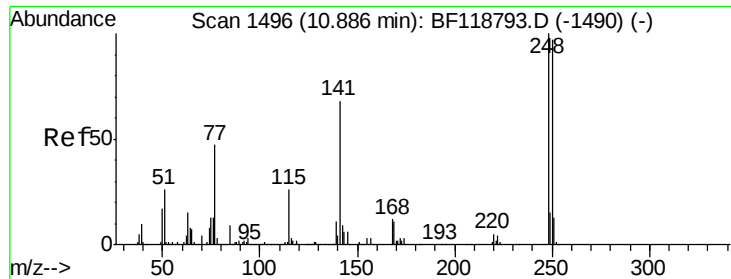
mohammad
2/6/2020 2:17:00 PM



#66
n-Nitrosodiphenylamine
Concen: 41.489 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1458712		
168	67.3	53.5	80.3	
167	37.3	29.3	43.9	





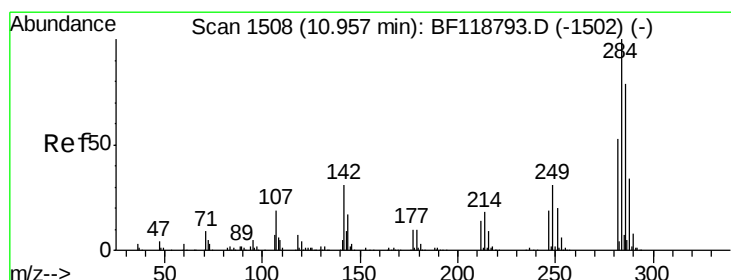
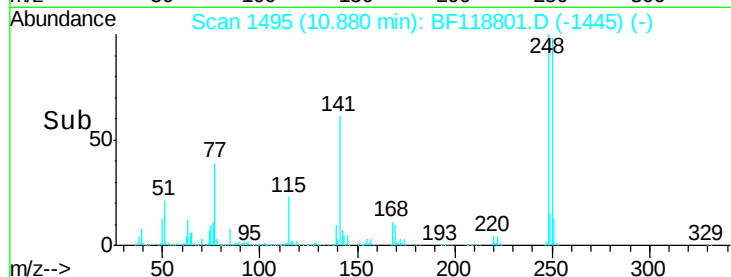
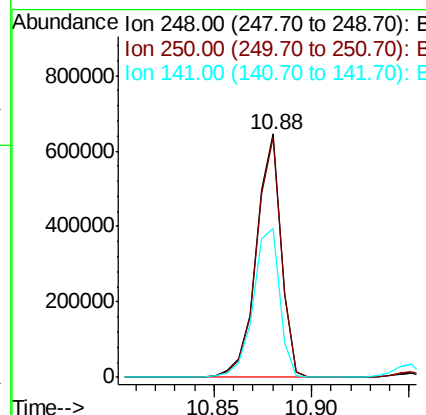
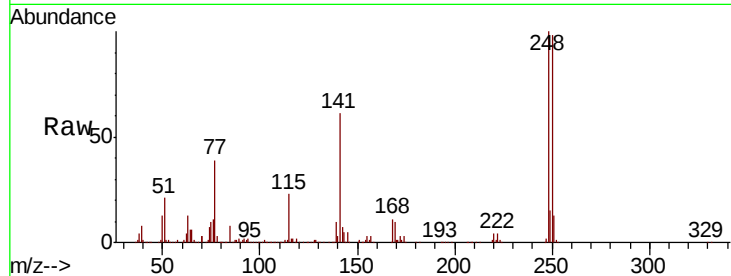
#67
4-Bromophenyl-phenylether
Concen: 39.582 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.6	116.4
141	61.1	54.4	81.6

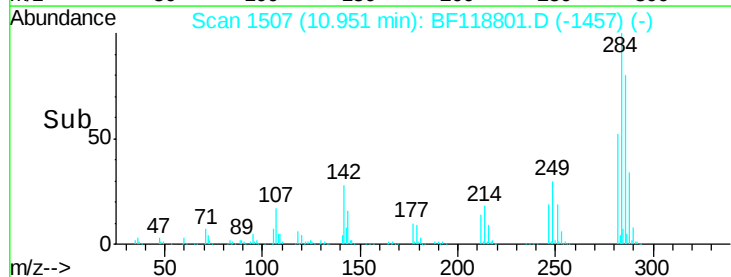
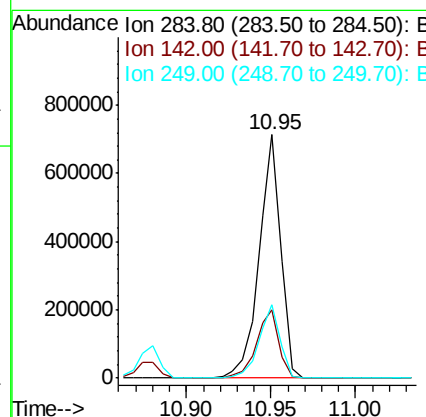
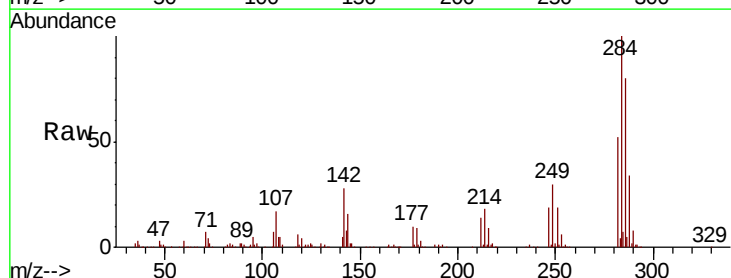
Manual Integrations
APPROVED

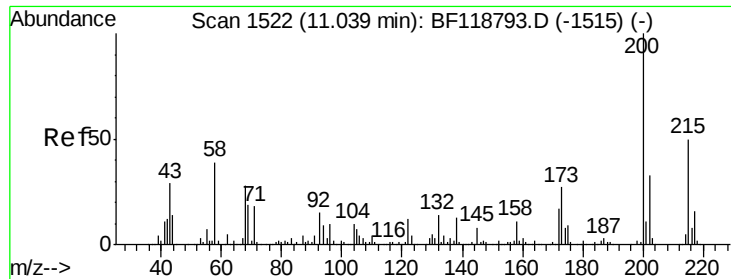
mohammad
2/6/2020 2:17:00 PM



#68
Hexachlorobenzene
Concen: 38.771 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.8	24.5	36.7
249	30.3	24.7	37.1





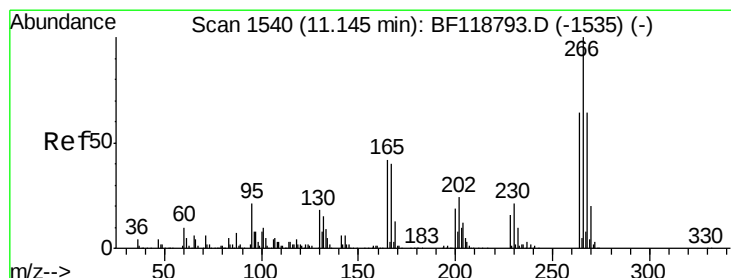
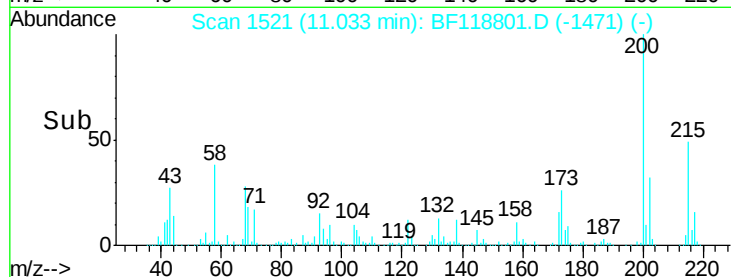
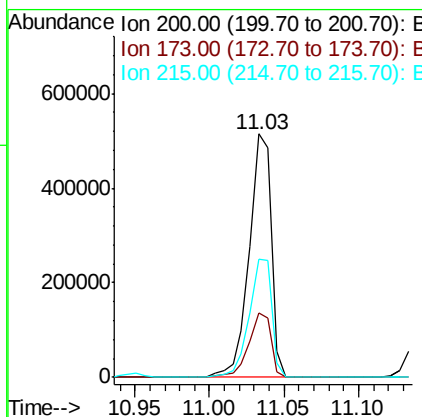
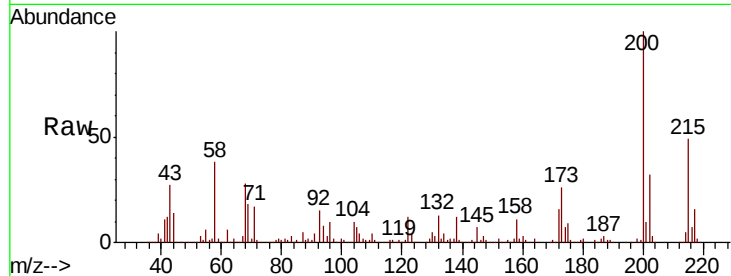
#69
Atrazine
Concen: 44.799 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.5	47.5
215	48.7	29.9	69.9

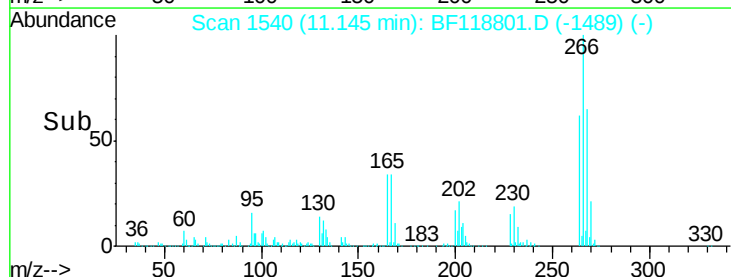
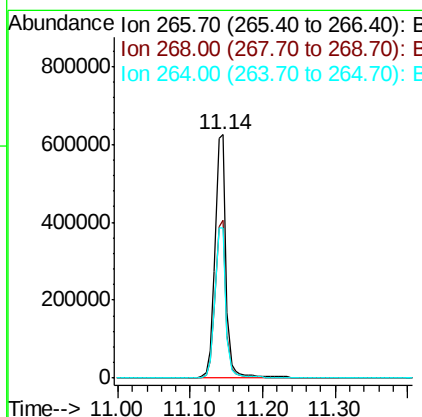
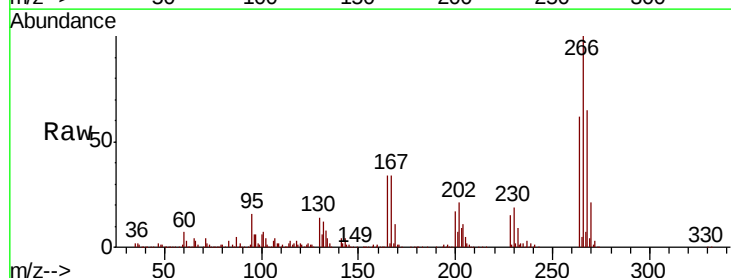
Manual Integrations
APPROVED

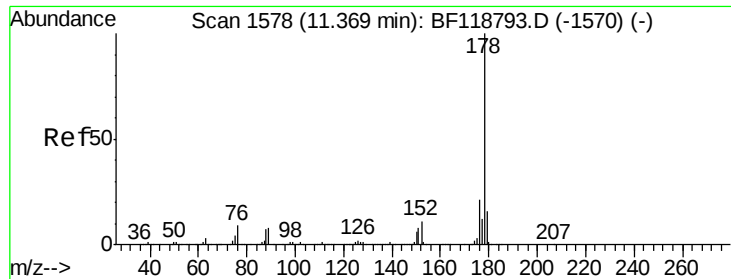
mohammad
2/6/2020 2:17:00 PM



#70
Pentachlorophenol
Concen: 77.490 ng
RT: 11.14 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.0	76.6
264	61.6	51.4	77.2





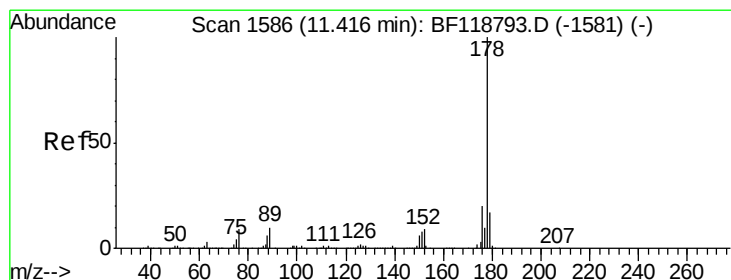
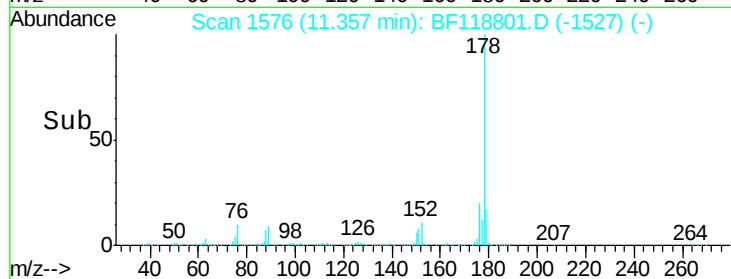
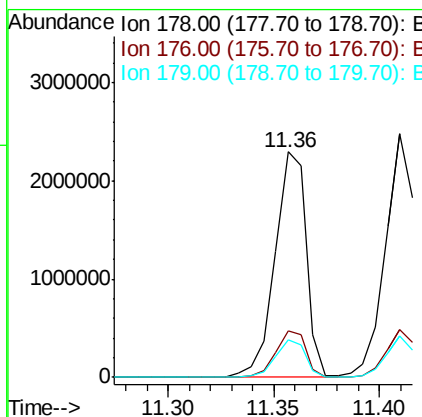
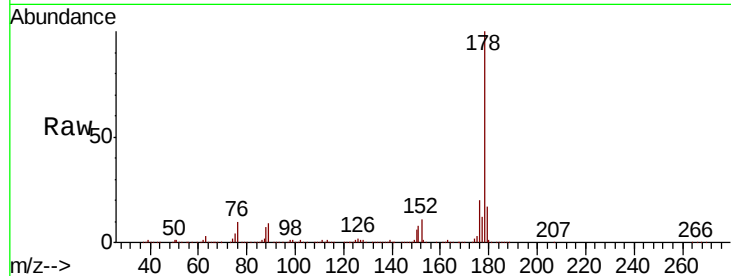
#71
Phenanthrene
Concen: 39.699 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion:178 Resp: 2370829
Ion Ratio Lower Upper
178 100
176 20.4 16.6 24.8
179 16.8 13.2 19.8

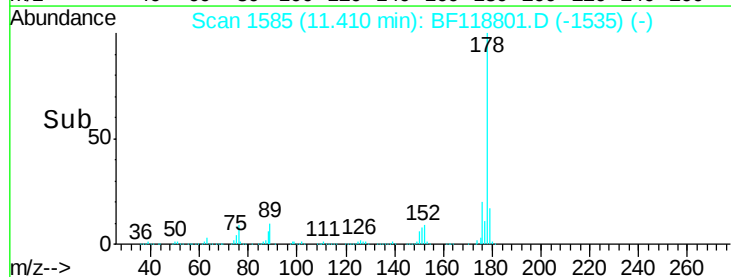
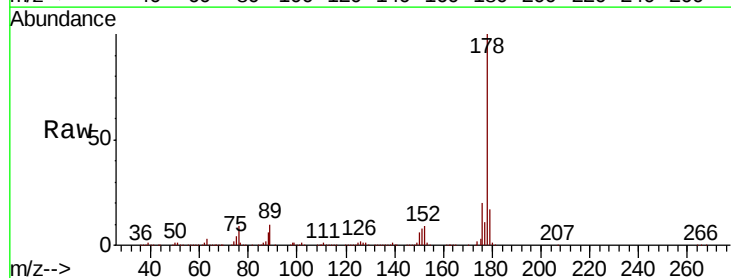
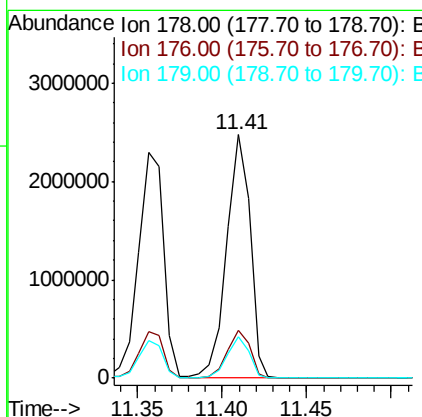
Manual Integrations
APPROVED

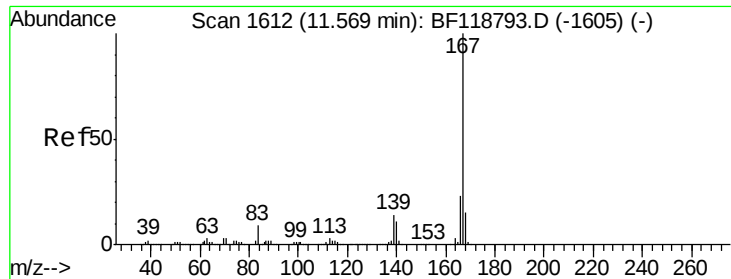
mohammad
2/6/2020 2:17:00 PM



#72
Anthracene
Concen: 40.351 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion:178 Resp: 2397290
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.2
179 16.8 13.4 20.2





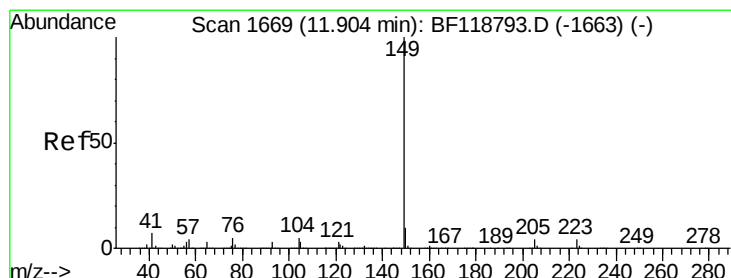
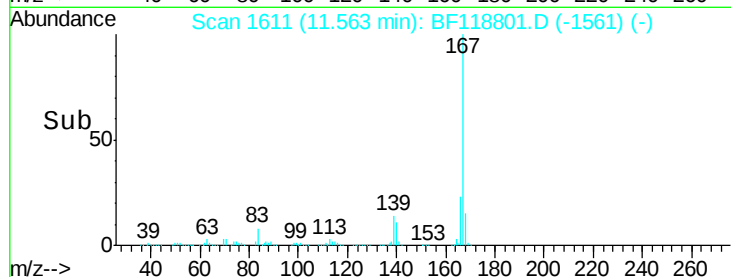
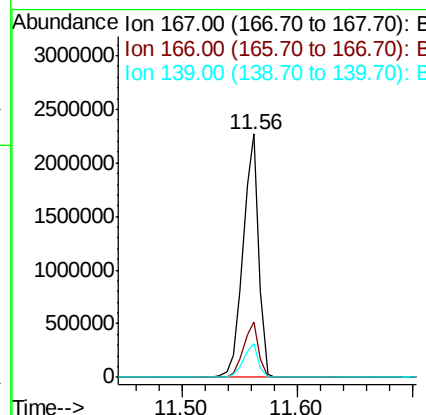
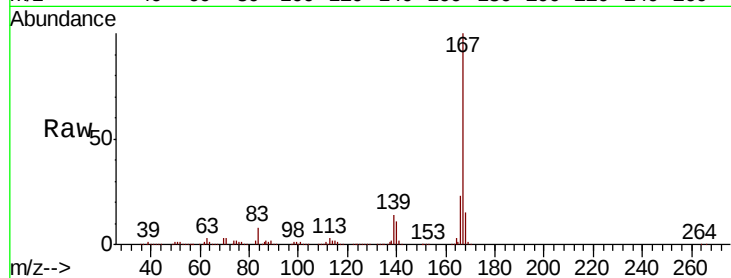
#73
 Carbazole
 Concen: 40.540 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 PB126569BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.4	27.6
139	13.8	11.1	16.7

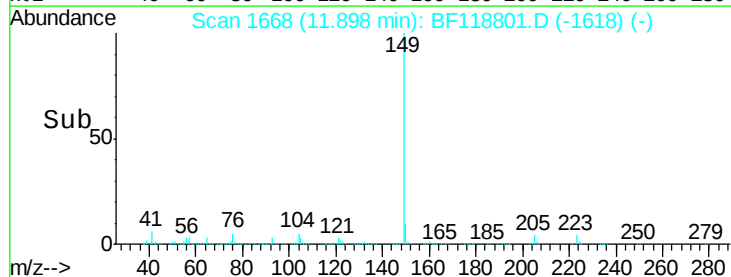
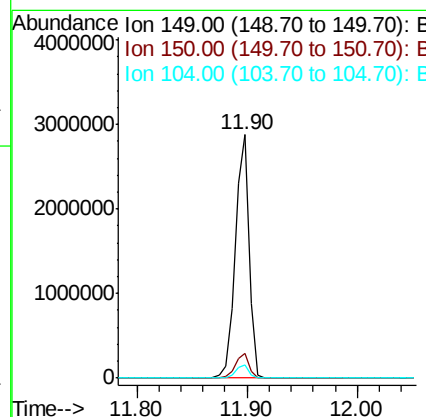
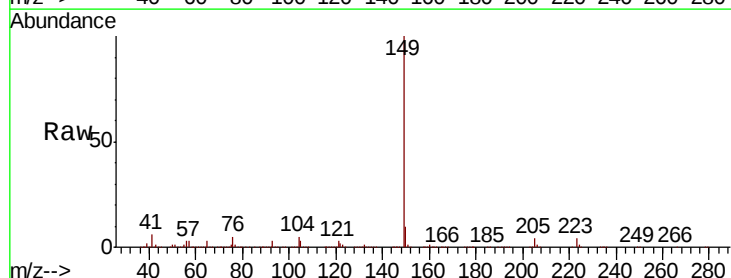
Manual Integrations
 APPROVED

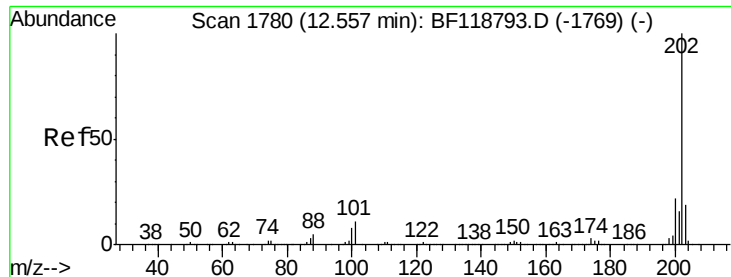
mohammad
 2/6/2020 2:17:00 PM



#74
 Di-n-butylphthalate
 Concen: 37.871 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.2	8.1	12.1
104	5.2	4.3	6.5





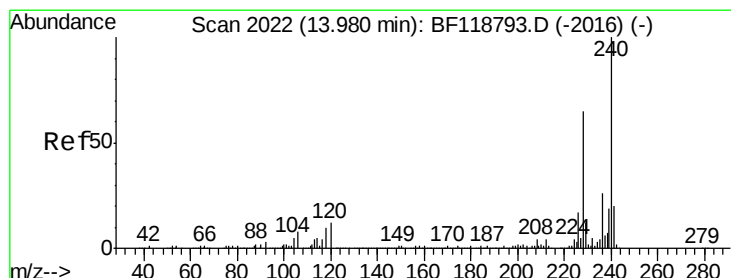
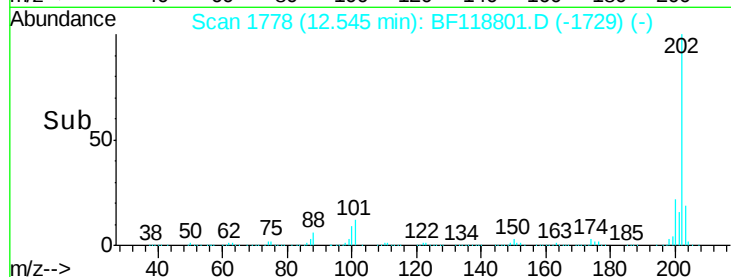
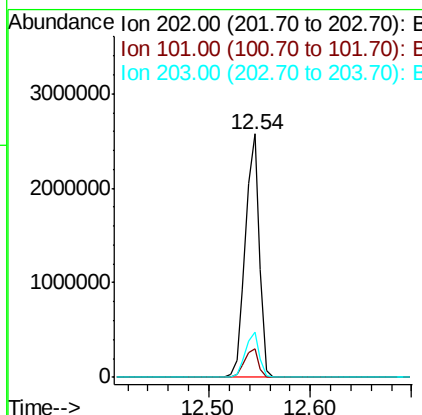
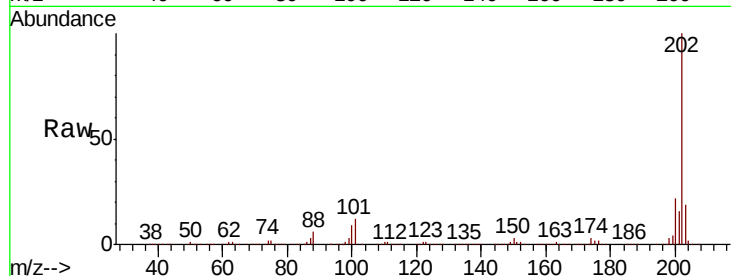
#75
Fluoranthene
Concen: 37.997 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.0
203	18.7	0.0	38.7

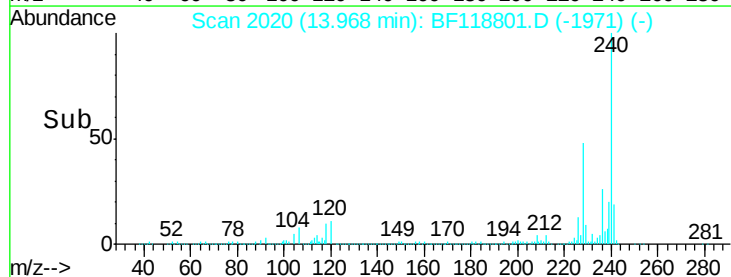
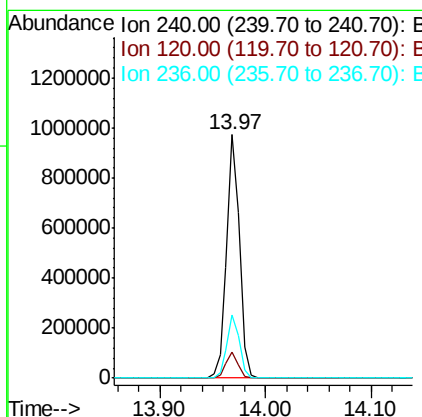
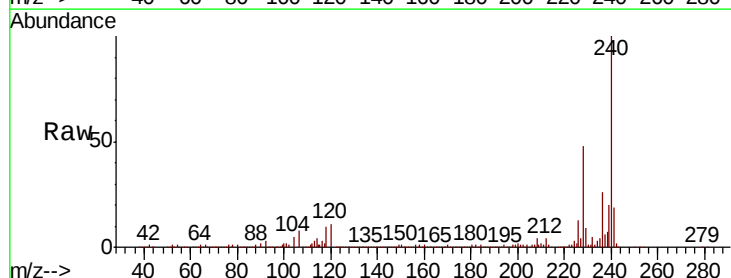
Manual Integrations
APPROVED

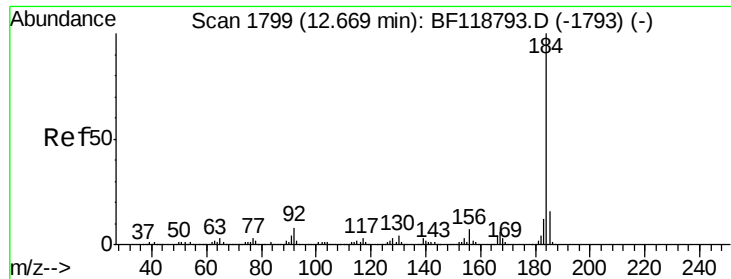
mohammad
2/6/2020 2:17:00 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.4	14.0
236	26.1	21.0	31.6





#77

Benzidine

Concen: 28.410 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Instrument :

BNA_F

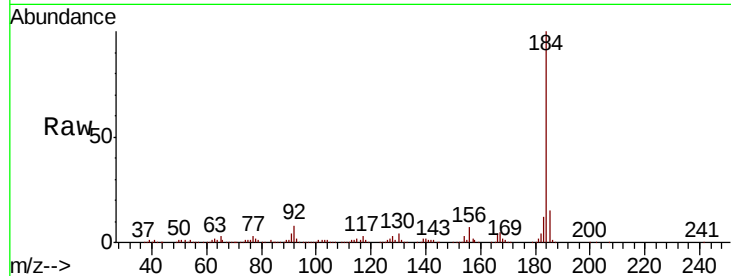
ClientSampled :

PB126569BS

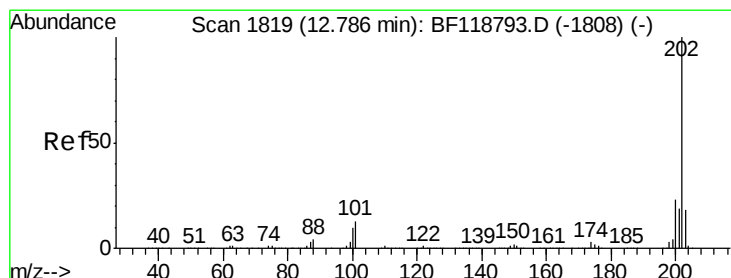
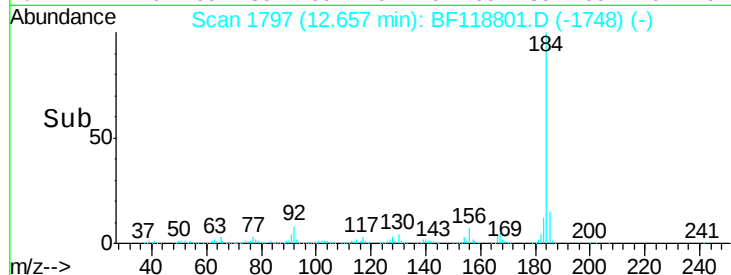
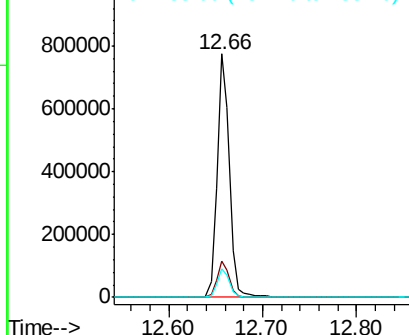
Tot Ion:	184	Resp:	708915
Ion Ratio	Lower	Upper	
184	100		
185	14.9	12.5	18.7
183	11.9	9.7	14.5

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



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: 44.404 ng

RT: 12.77 min Scan# 1817

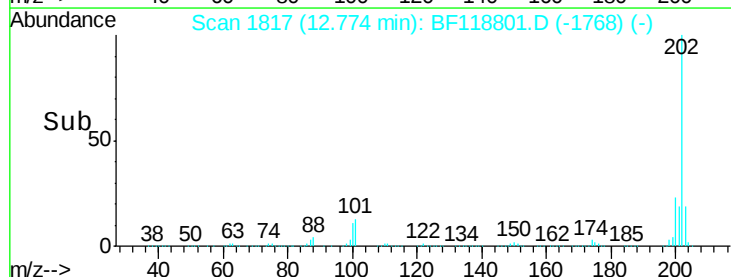
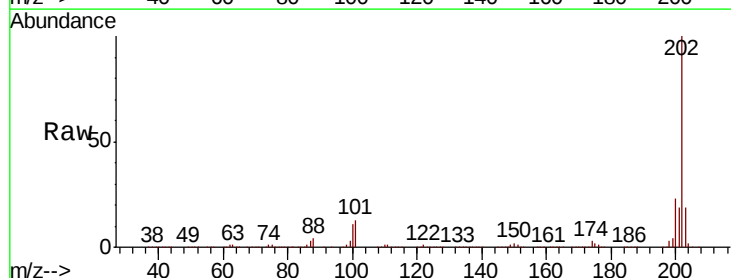
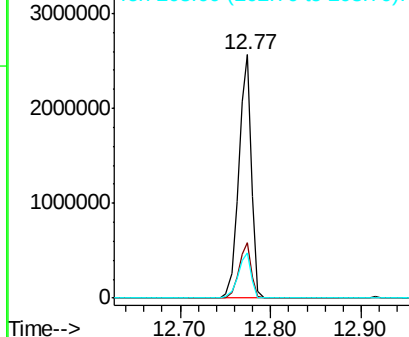
Delta R.T. -0.01 min

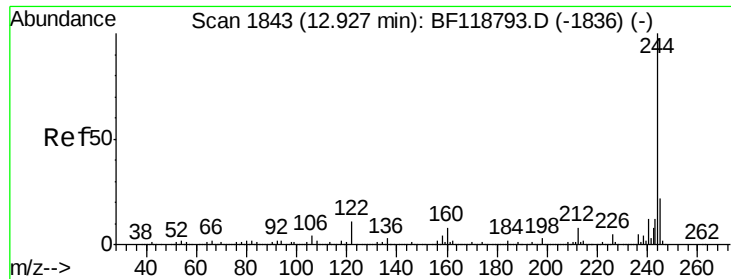
Lab File: BF118801.D

Acq: 4 Feb 2020 14:59

Tgt Ion:	202	Resp:	2513158
Ion Ratio	Lower	Upper	
202	100		
200	22.6	18.2	27.2
203	18.5	14.8	22.2

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





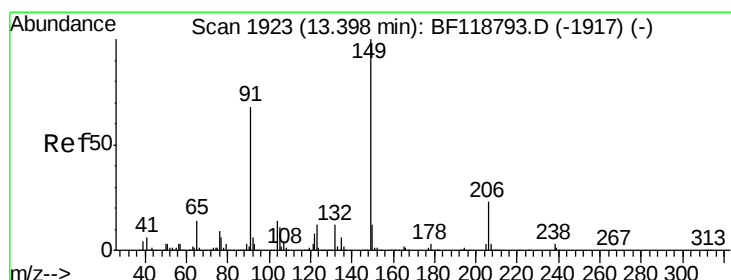
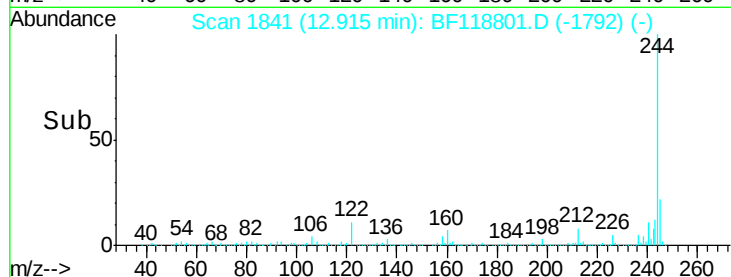
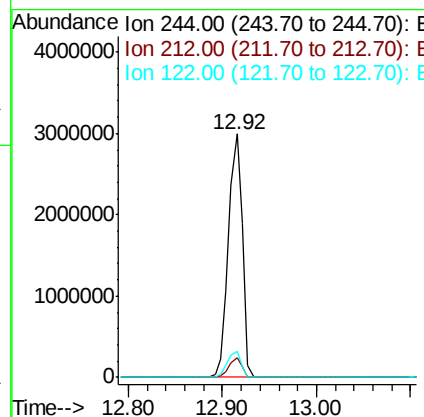
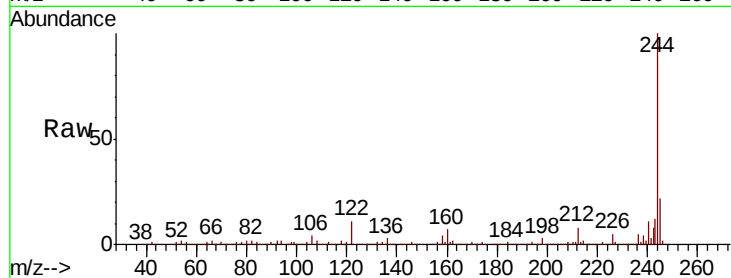
#79
 Terphenyl-d14
 Concen: 77.017 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 PB126569BS

Tot Ion:244 Resp: 3093420
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 10.9 8.9 13.3

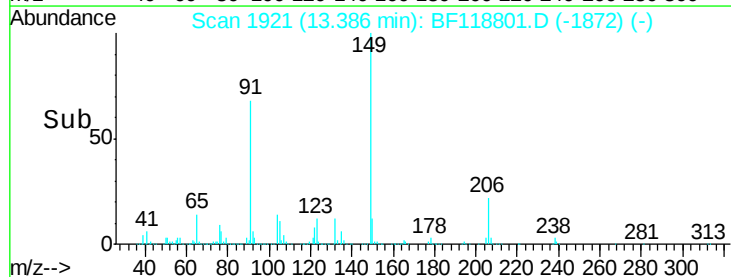
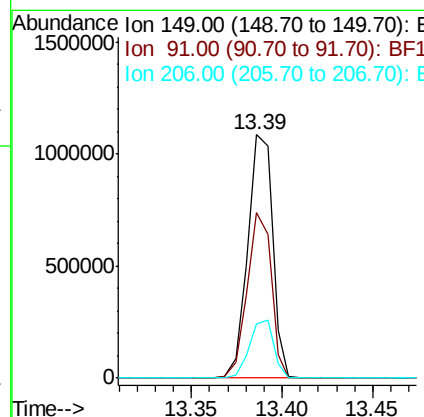
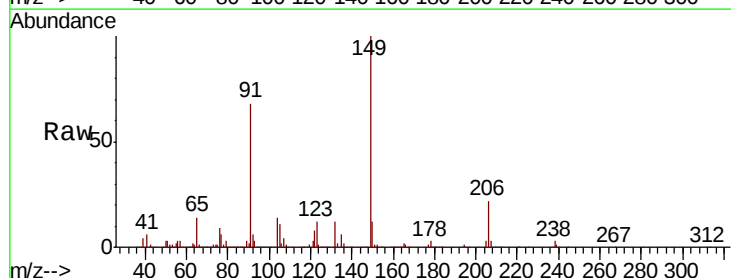
Manual Integrations
 APPROVED

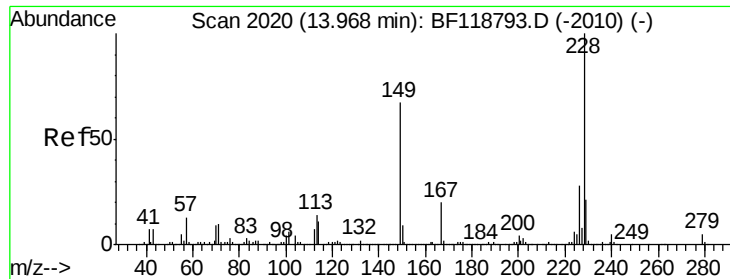
mohammad
 2/6/2020 2:17:00 PM



#80
 Butylbenzylphthalate
 Concen: 40.171 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Tgt Ion:149 Resp: 1037739
 Ion Ratio Lower Upper
 149 100
 91 68.1 54.7 82.1
 206 22.4 18.5 27.7





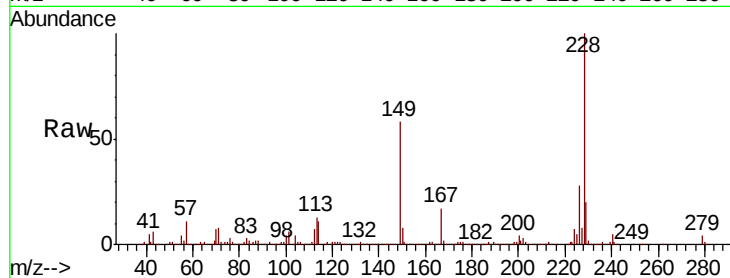
#81
Benzo(a)anthracene
Concen: 40.629 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

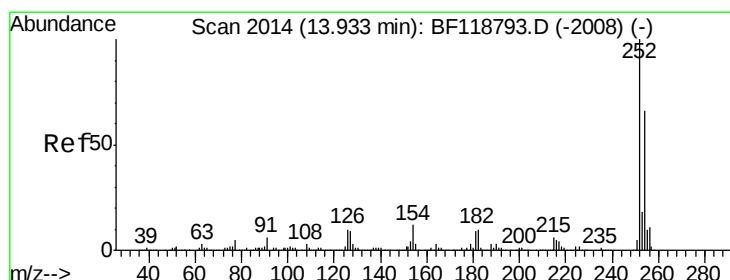
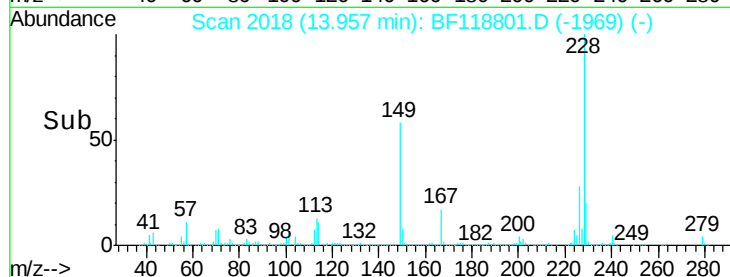
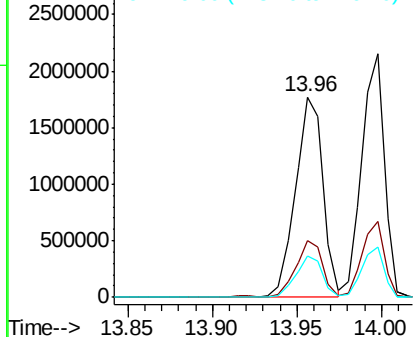
Tot Ion:228 Resp: 1994618
Ion Ratio Lower Upper
228 100
226 28.0 22.7 34.1
229 20.4 16.6 25.0

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM

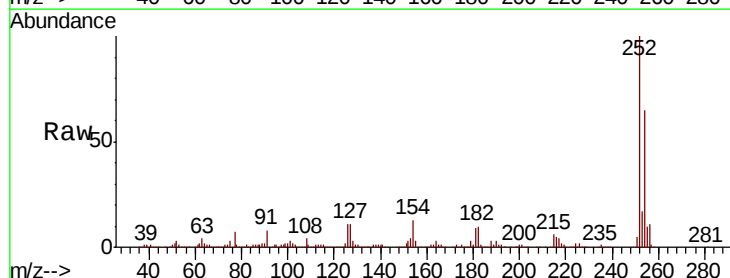


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

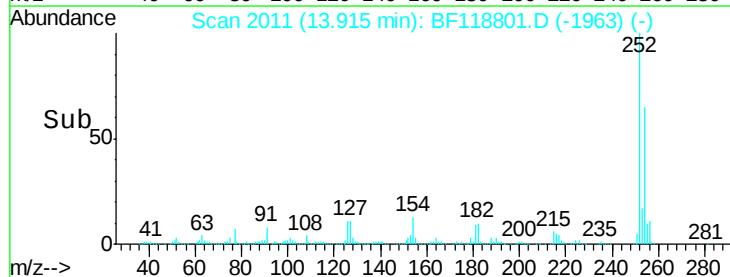
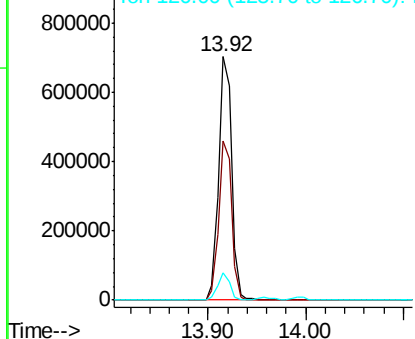


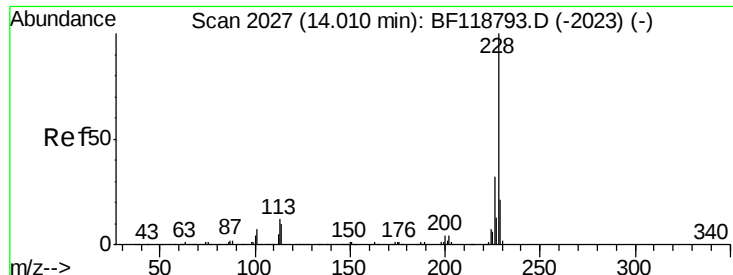
#82
3,3'-Dichlorobenzidine
Concen: 32.525 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion:252 Resp: 653068
Ion Ratio Lower Upper
252 100
254 65.2 52.4 78.6
126 11.0 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





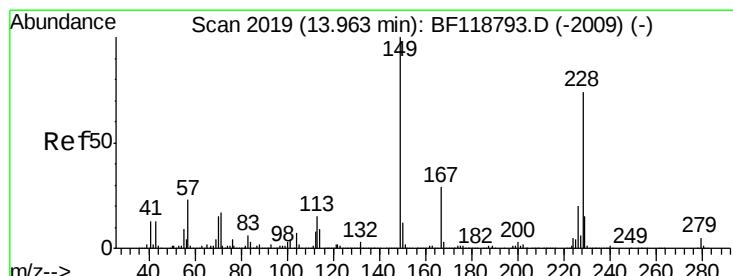
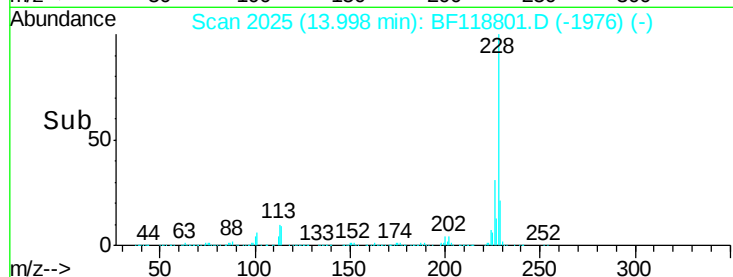
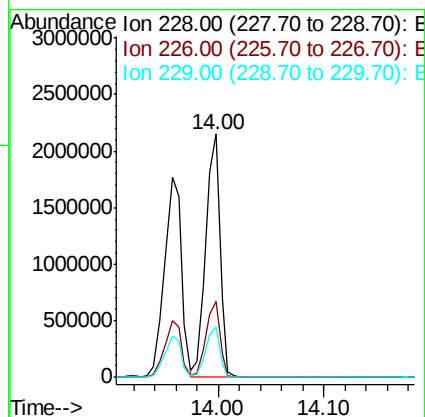
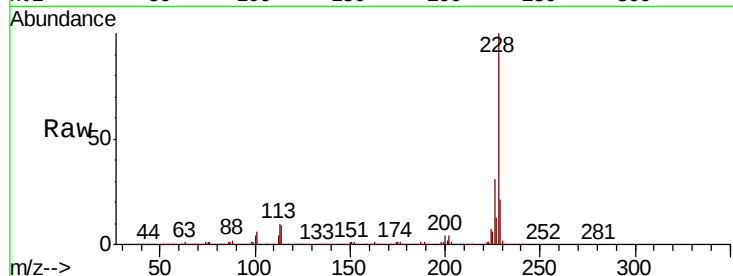
#83
 Chrvsene
 Concen: 40.608 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Instrument :
 BNA_F
 ClientSampleId :
 PB126569BS

Tot Ion:228 Resp: 2000842
 Ion Ratio Lower Upper
 228 100
 226 31.4 25.4 38.0
 229 20.7 16.9 25.3

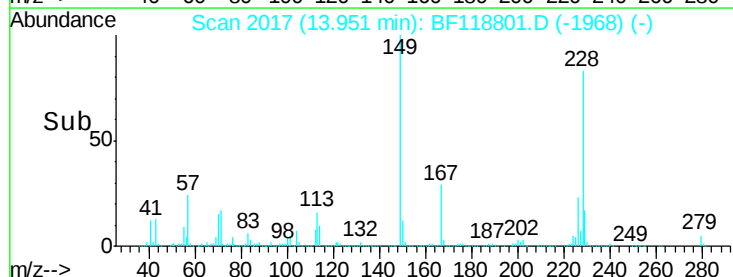
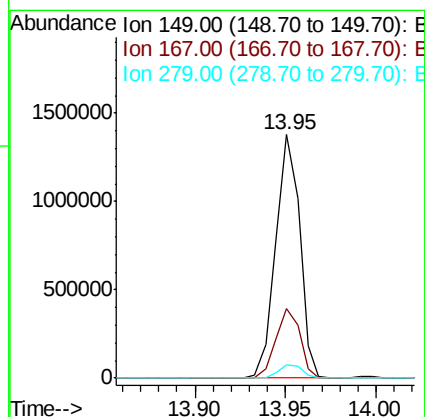
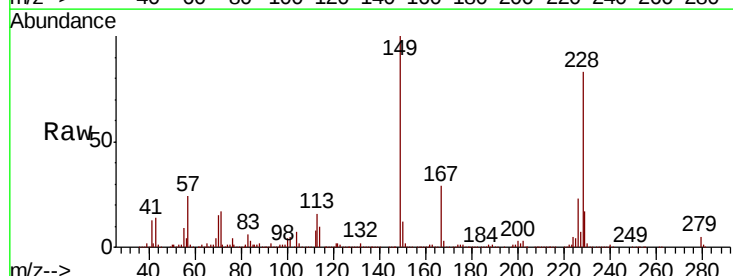
Manual Integrations
 APPROVED

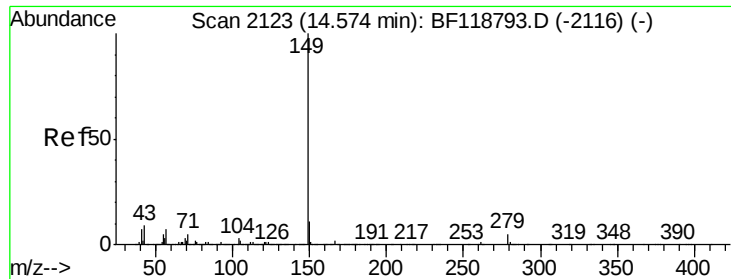
mohammad
 2/6/2020 2:17:00 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 38.922 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF118801.D
 Acq: 4 Feb 2020 14:59

Tgt Ion:149 Resp: 1275658
 Ion Ratio Lower Upper
 149 100
 167 28.8 23.0 34.6
 279 5.2 4.4 6.6





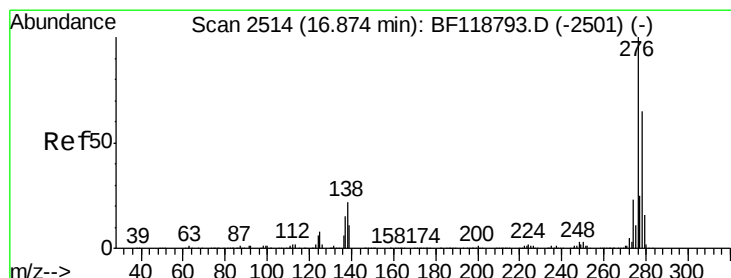
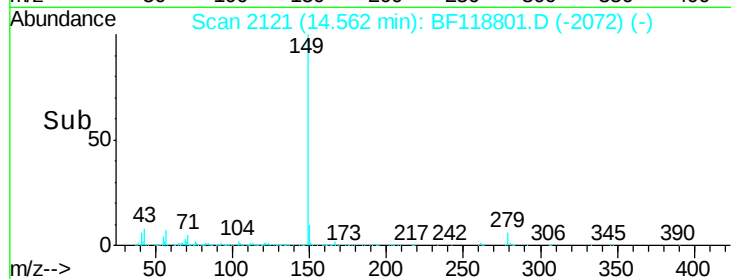
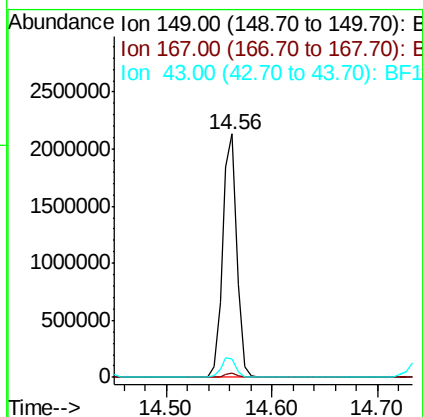
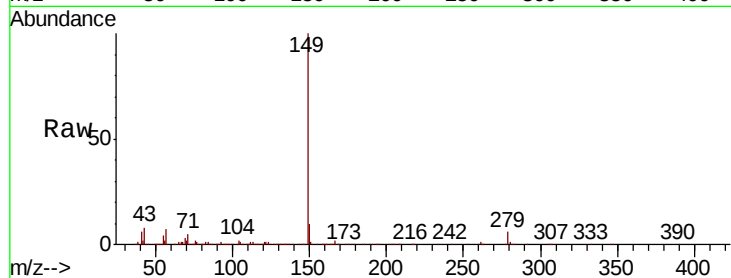
#85
Di-n-octyl phthalate
Concen: 35.731 ng
RT: 14.56 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	8.2	6.6	10.0

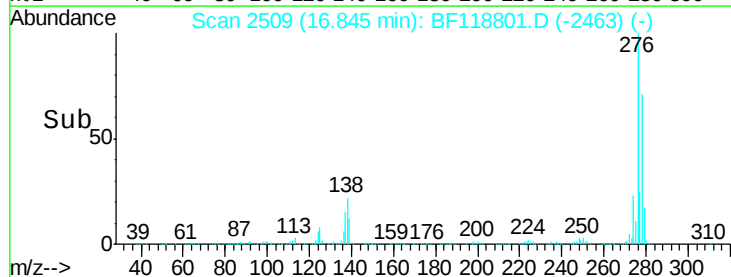
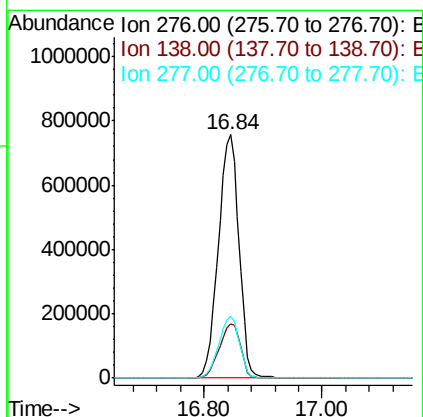
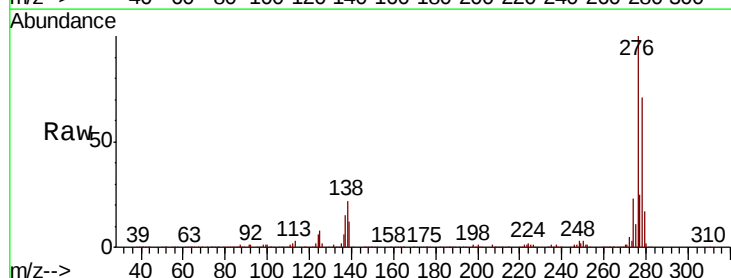
Manual Integrations
APPROVED

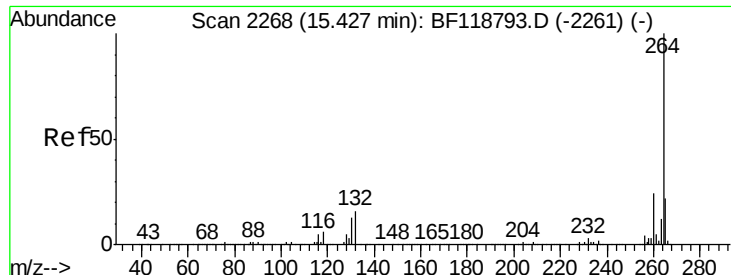
mohammad
2/6/2020 2:17:00 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 37.071 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.03 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.3	27.5
277	25.4	20.2	30.4





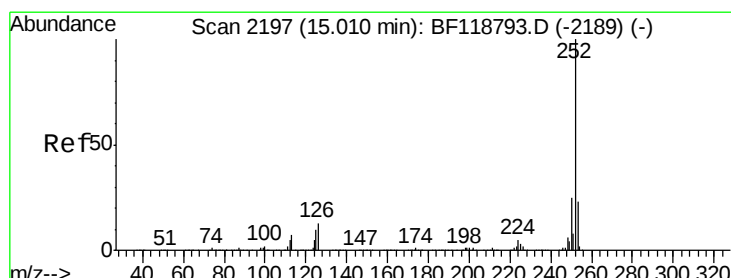
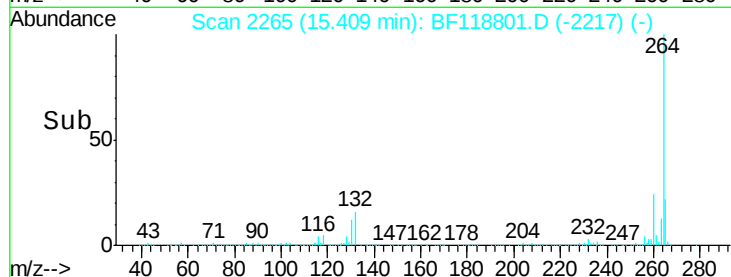
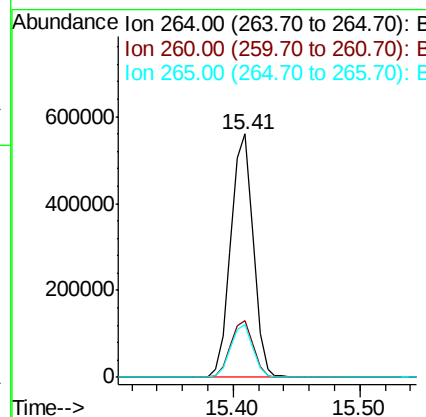
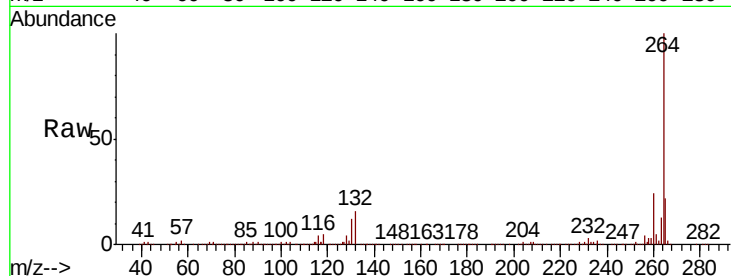
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.6	17.2	25.8

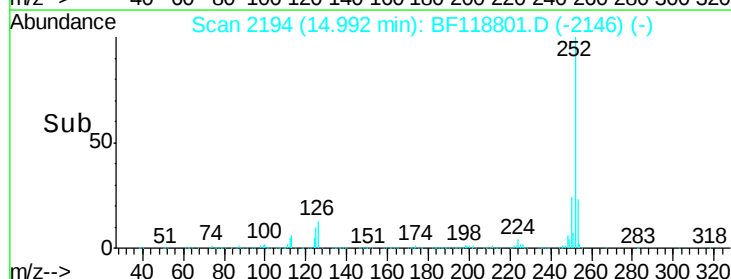
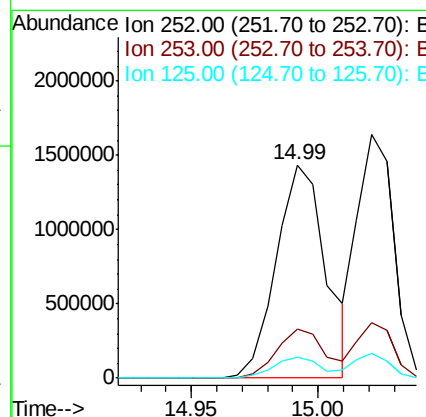
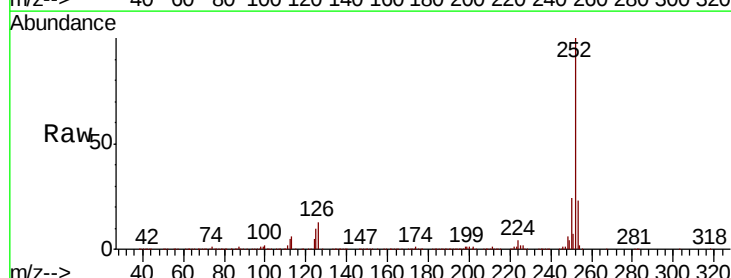
Manual Integrations
APPROVED

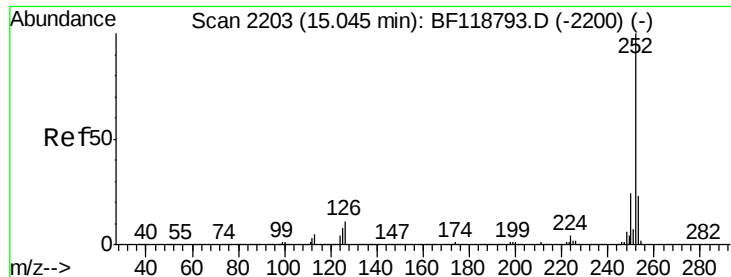
mohammad
2/6/2020 2:17:00 PM



#88
Benzo(b)fluoranthene
Concen: 45.995 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	9.7	8.1	12.1





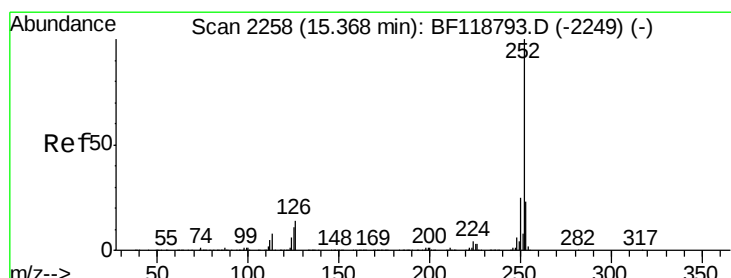
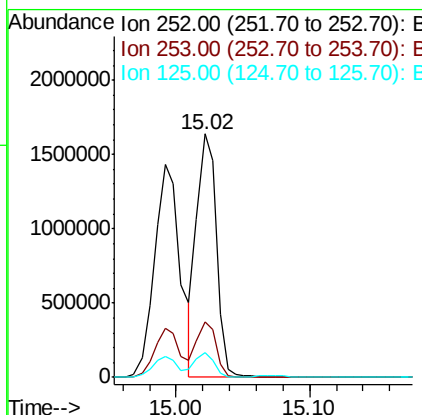
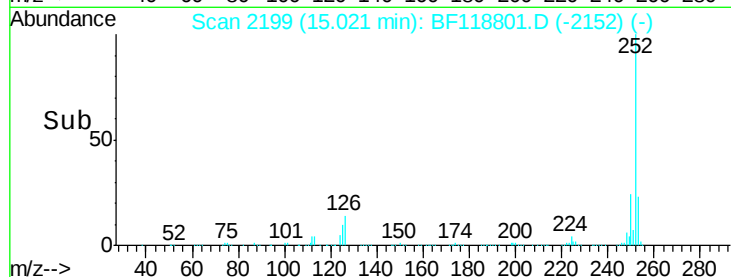
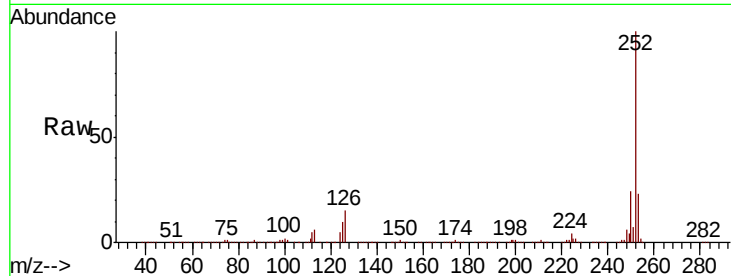
#89
Benzo(k)fluoranthene
Concen: 44.768 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	10.2	7.0	10.6

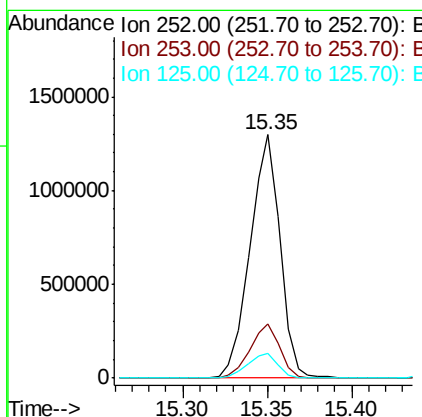
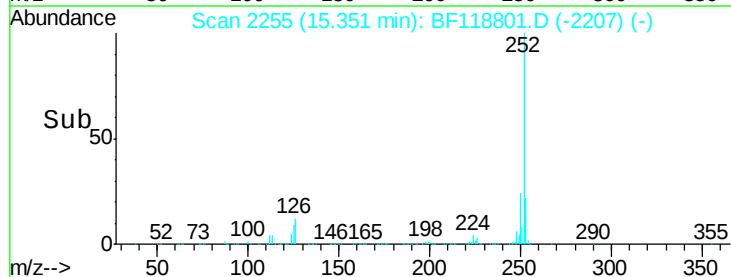
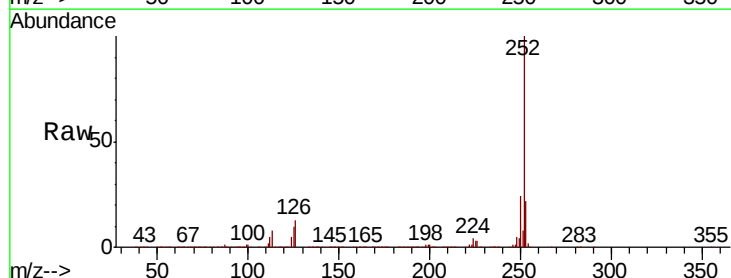
Manual Integrations
APPROVED

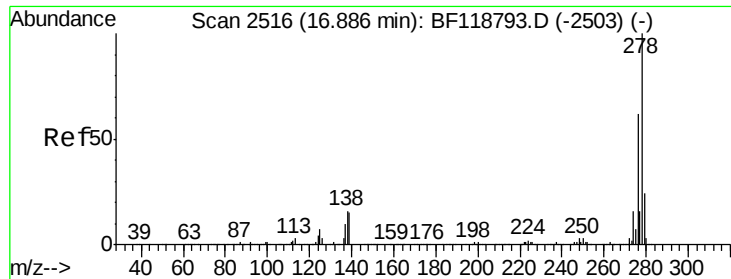
mohammad
2/6/2020 2:17:00 PM



#90
Benzo(a)pyrene
Concen: 44.049 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.0	8.7	13.1





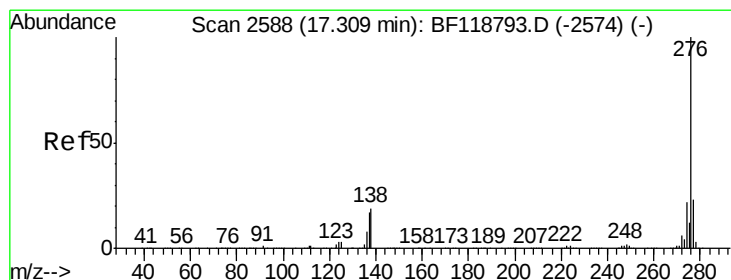
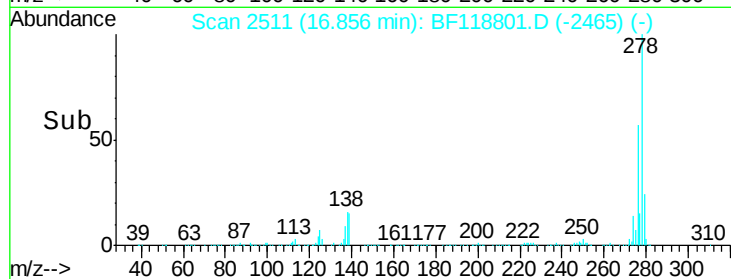
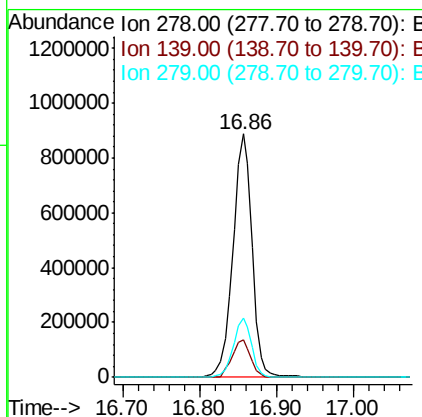
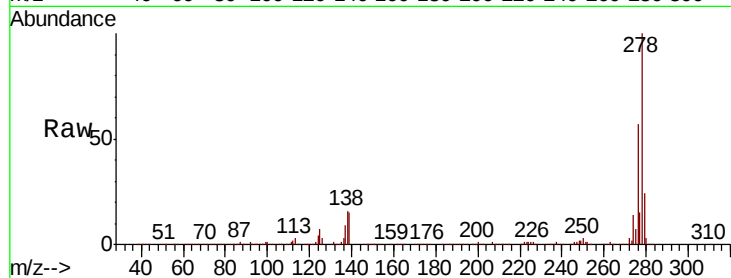
#91
Dibenzo(a,h)anthracene
Concen: 47.663 ng
RT: 16.86 min Scan# 2511
Delta R.T. -0.03 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Instrument :
BNA_F
ClientSampleId :
PB126569BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.3	18.5
279	24.1	19.1	28.7

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:00 PM



#92
Benzo(g,h,i)perylene
Concen: 50.883 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.04 min
Lab File: BF118801.D
Acq: 4 Feb 2020 14:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	20.6	15.4	23.2

