

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103118\
 Data File : BM017427.D
 Acq On : 31 Oct 2018 12:48
 Operator : MJ/SJ
 Sample : J5635-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A40C4

Quant Time: Oct 31 15:21:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 31 14:01:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	163492	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	805818	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.29	164	501327	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.04	188	1183664	20.00	ng/ul	-0.01
78) Chrysene-d12	21.24	240	1360632	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	1270042	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	15201	4.28	ng/uL	0.00
5) Phenol-d5	6.83	99	412886	27.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	242290	27.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	327103	28.25	ng/ul	-0.01
13) 4-Methylphenol-d8	8.35	113	354887	30.05	ng/ul	-0.01
19) Nitrobenzene-d5	8.80	128	180218	28.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	197343	27.93	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.05	165	374742	28.57	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.57	131	283358	26.46	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	1544472	35.92	ng/ul	-0.01
47) Acenaphthylene-d8	13.97	160	1690685	32.39	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.51	143	216401	26.94	ng/ul	0.00
58) Fluorene-d10	15.29	176	1305541	34.97	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.42	200	243215	29.49	ng/ul	-0.01
71) Anthracene-d10	17.14	188	2299029	39.24	ng/ul	0.00
79) Pyrene-d10	19.44	212	2693036	42.72	ng/ul	-0.01
90) Benzo(a)pyrene-d12	23.30	264	2791879	41.63	ng/ul	-0.01

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.25	88	35203	9.831	ng/uL	96
6) Phenol	6.85	94	35586	2.400	ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	8.17	45	277731	18.552	ng/ul	98
20) Nitrobenzene	8.84	77	304395	20.451	ng/ul	98
23) 2-Nitrophenol	9.55	139	196733	26.440	ng/ul	98
25) Bis(2-Chloroethoxy)methane	9.85	93	288989	16.857	ng/ul	98
27) 2,4-Dichlorophenol	10.07	162	245850	19.562	ng/ul	96
28) Naphthalene	10.47	128	498106	11.816	ng/ul	100
30) 4-Chloroaniline	10.47	127	66087	6.037	ng/ul#	11
33) 4-Chloro-3-methylphenol	11.72	107	944628	68.349	ng/ul	99
34) 2-Methylnaphthalene	12.09	142	907336	29.291	ng/ul	100
35) 1-Methylnaphthalene	12.31	142	749643	25.241	ng/ul	100
38) Hexachlorocyclopentadiene	12.43	237	260742	24.268	ng/ul	100
39) 2,4,6-Trichlorophenol	12.71	196	215819	20.189	ng/ul	97
40) 2,4,5-Trichlorophenol	12.71	196	199036	17.300	ng/ul	96
42) 2-Chloronaphthalene	13.15	162	694725	21.439	ng/ul	99
45) Dimethylphthalate	13.75	163	190892	4.583	ng/ul	99
46) 2,6-Dinitrotoluene	13.87	165	125634	15.028	ng/ul	95
48) Acenaphthylene	14.00	152	941972	19.228	ng/ul	98
50) Acenaphthene	14.35	153	525635	14.985	ng/ul	98
55) 2,4-Dinitrotoluene	14.67	165	486472	39.006	ng/ul#	97
56) 2,3,4,6-Tetrachlorophenol	14.92	232	475371	44.643	ng/ul	100
59) Fluorene	15.34	166	615226	15.019	ng/ul	99

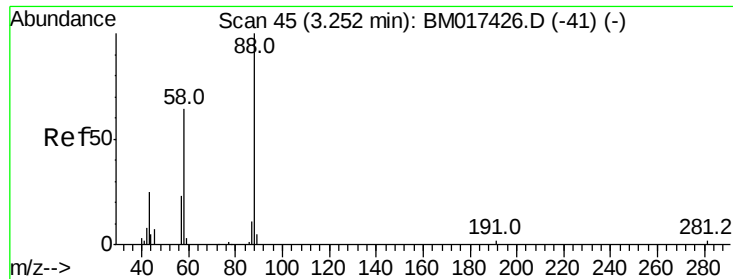
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103118\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Chlorophenyl-phenylether	15.34	204	519849	24.802	ng/ul	99
64) 4,6-Dinitro-2-methylphenol	15.43	198	802125	95.242	ng/ul#	96
66) 4-Bromophenyl-phenylether	16.24	248	426451	32.083	ng/ul	95
67) Hexachlorobenzene	16.34	284	499023	33.278	ng/ul	96
70) Phenanthrene	17.08	178	1191316	17.527	ng/ul	100
72) Anthracene	17.17	178	1492592	21.621	ng/ul	100
77) Fluoranthene	19.10	202	3607020	46.296	ng/ul	99
80) Pyrene	19.47	202	1507028	19.074	ng/ul	99
83) Benzo(a)anthracene	21.22	228	1467104	17.620	ng/ul	99
85) Chrysene	21.27	228	1373950	17.353	ng/ul	100
88) Benzo(b)fluoranthene	22.79	252	4450723	59.868	ng/ul	99
89) Benzo(k)fluoranthene	22.83	252	1344757	18.518	ng/ul	100
91) Benzo(a)pyrene	23.34	252	1078054	14.843	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.64	276	1427603	16.155	ng/ul	99
93) Dibenzo(a,h)anthracene	25.66	278	1425335	19.316	ng/ul	99
94) Benzo(g,h,i)perylene	26.31	276	1220459	16.257	ng/ul	99

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



#2

1,4-Dioxane

Concen: 9.831 ng/uL

RT: 3.25 min Scan# 45

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Instrument :

BNA_M

ClientSampleId :

A40C4

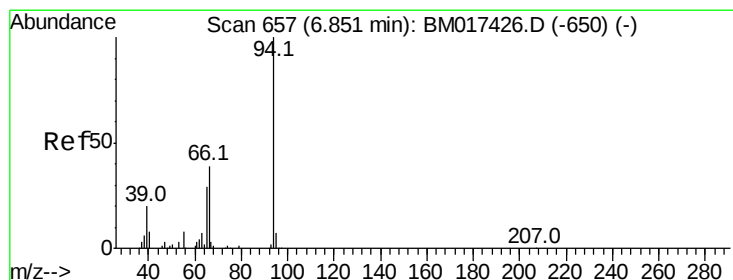
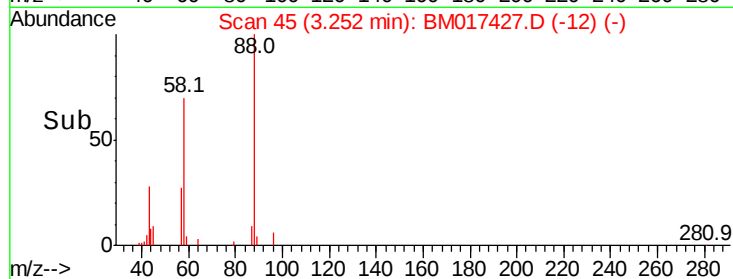
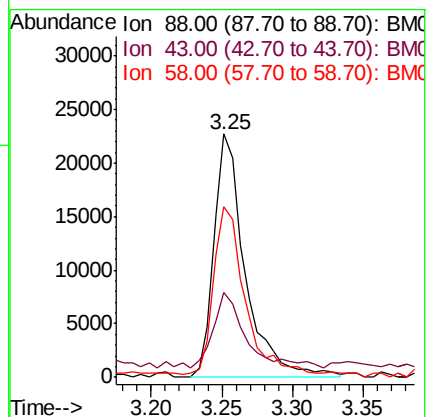
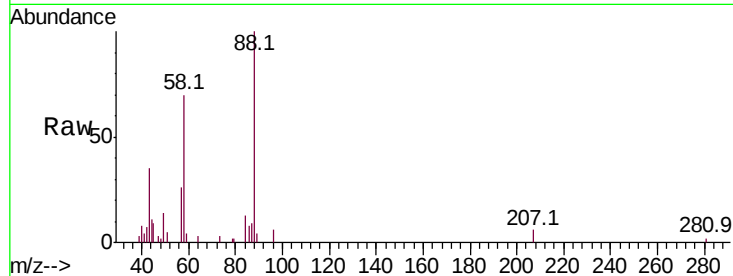
Tot Ion: 88 Resp: 35203

Ion Ratio Lower Upper

88 100

43 35.0 25.9 38.9

58 70.1 58.6 87.8



#6

Phenol

Concen: 2.400 ng/uL

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

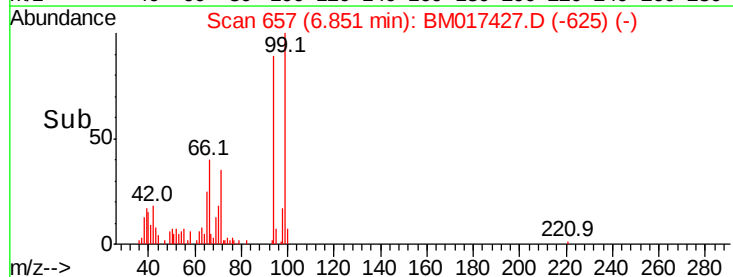
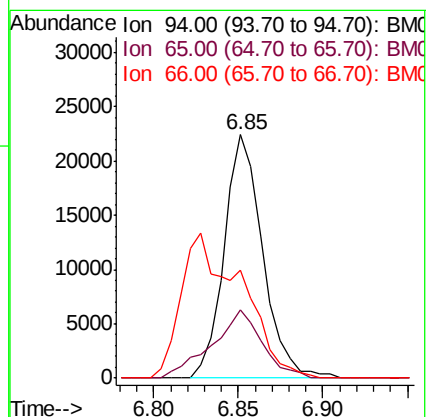
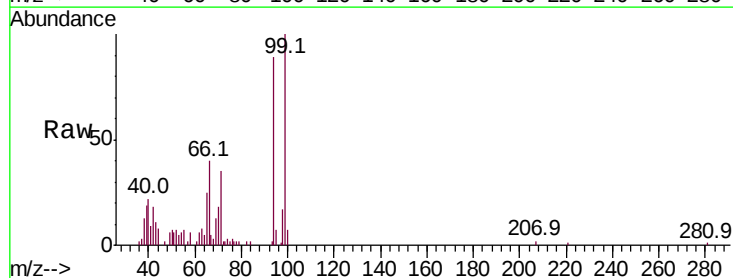
Tgt Ion: 94 Resp: 35586

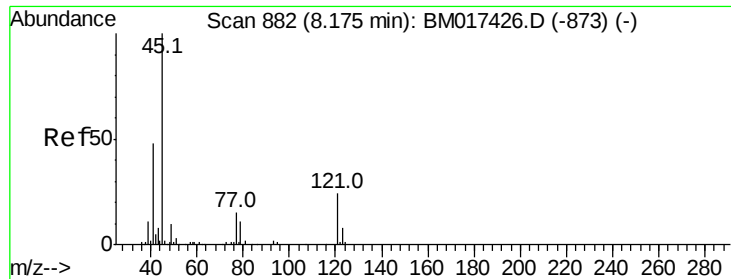
Ion Ratio Lower Upper

94 100

65 27.8 24.0 36.0

66 44.5 31.1 46.7

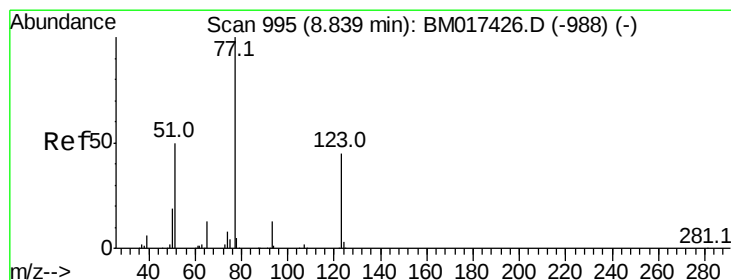
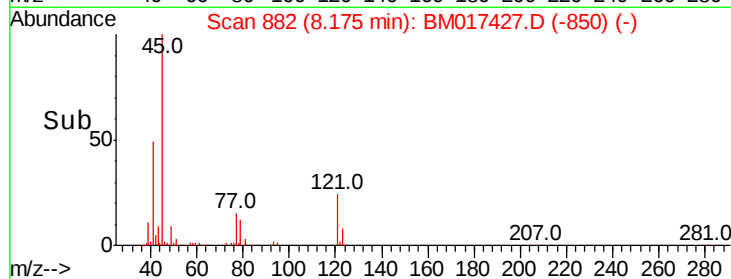
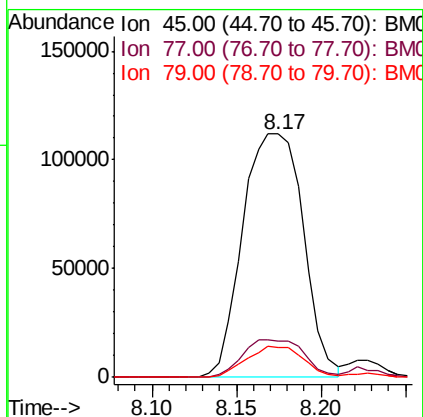
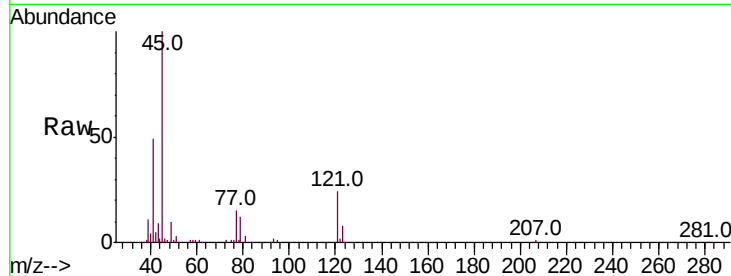




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 18.552 ng/ul
RT: 8.17 min Scan# 882
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

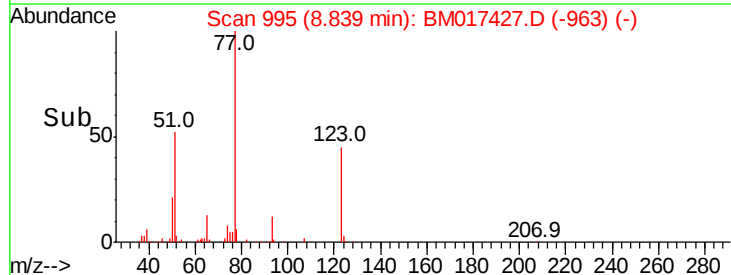
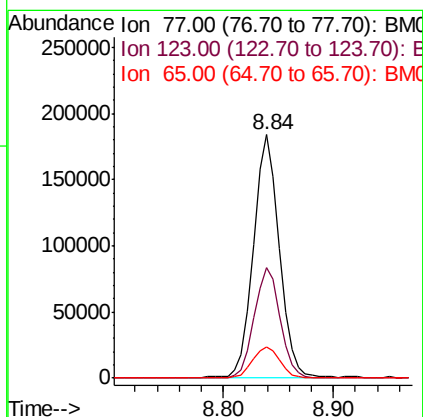
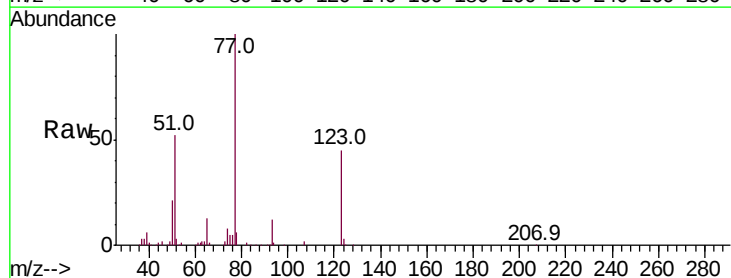
Instrument :
BNA_M
ClientSampleId :
A40C4

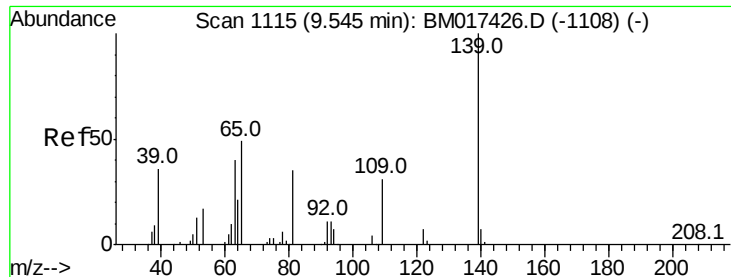
Tot Ion: 45 Resp: 277731
Ion Ratio Lower Upper
45 100
77 14.6 11.7 17.5
79 12.3 8.6 12.8



#20
Nitrobenzene
Concen: 20.451 ng/ul
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Tgt Ion: 77 Resp: 304395
Ion Ratio Lower Upper
77 100
123 45.1 37.0 55.6
65 12.8 10.7 16.1

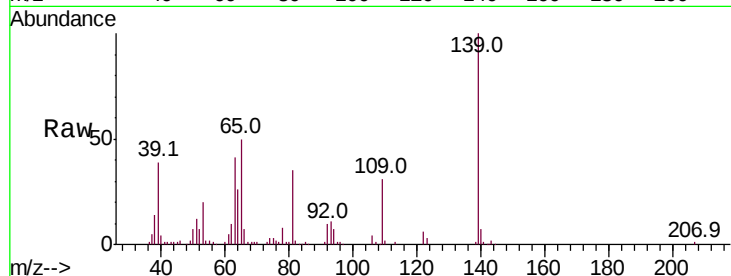




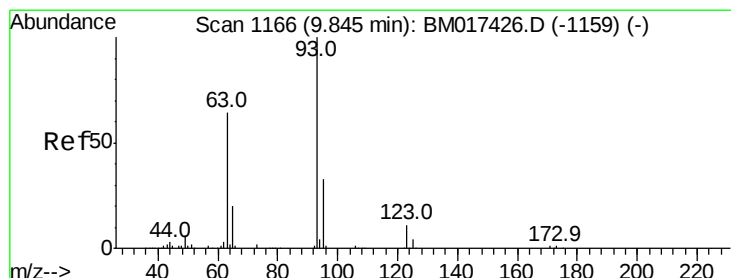
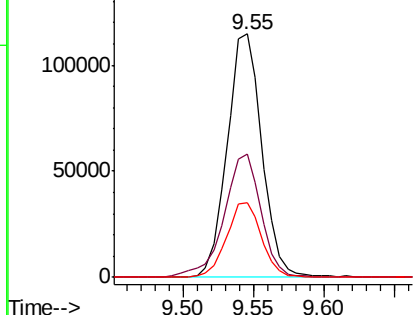
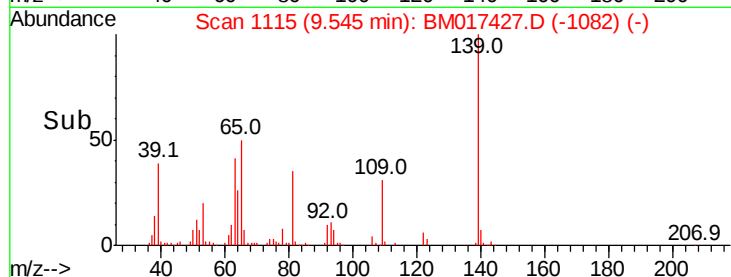
#23
2-Nitrophenol
Concen: 26.440 ng/ul
RT: 9.55 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Instrument :
BNA_M
ClientSampleId :
A40C4

Tot Ion:139 Resp: 196733
Ion Ratio Lower Upper
139 100
65 50.4 38.6 57.8
109 30.8 25.0 37.6

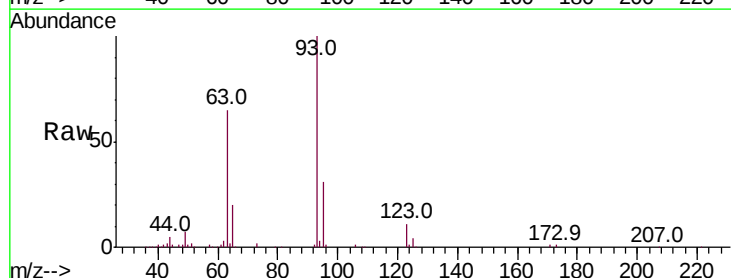


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 109.00 (108.70 to 109.70): E

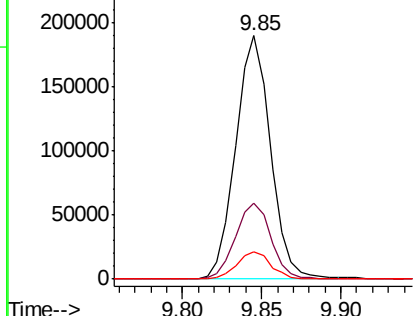
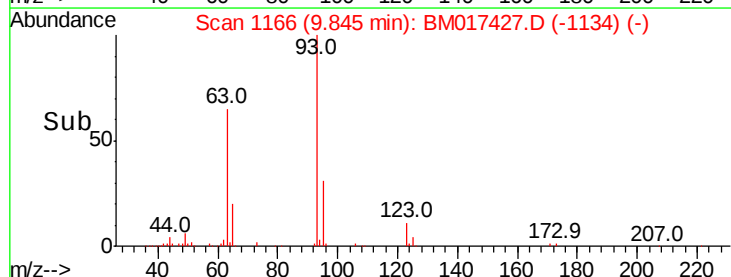


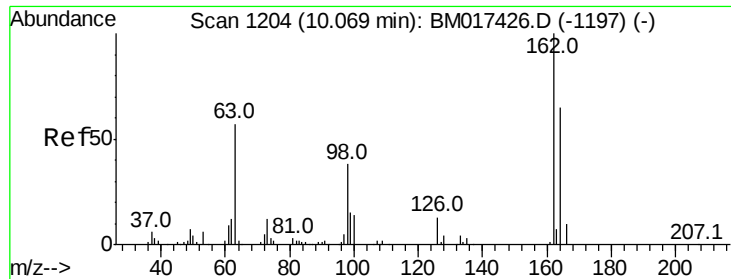
#25
Bis(2-Chloroethoxy)methane
Concen: 16.857 ng/ul
RT: 9.85 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Tgt Ion: 93 Resp: 288989
Ion Ratio Lower Upper
93 100
95 31.2 26.1 39.1
123 11.4 9.1 13.7



Abundance Ion 93.00 (92.70 to 93.70): BM
Ion 95.00 (94.70 to 95.70): BM
Ion 123.00 (122.70 to 123.70): E

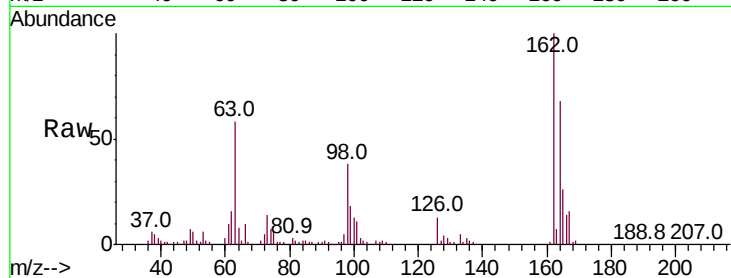




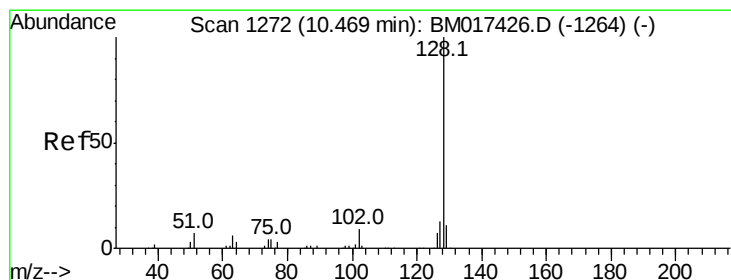
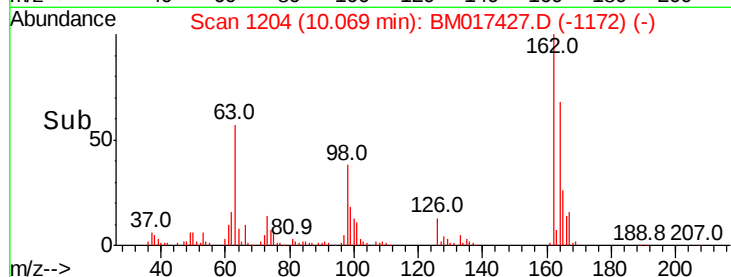
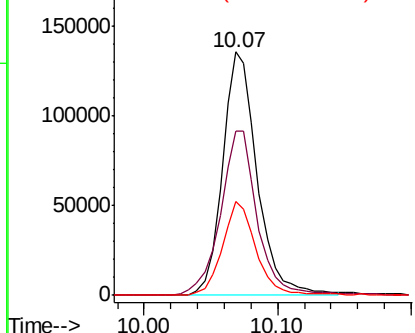
#27
2,4-Dichlorophenol
Concen: 19.562 ng/ul
RT: 10.07 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Instrument :
BNA_M
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A40C4

Tot Ion	Ratio	Lower	Upper
162	100		
164	67.7	51.4	77.0
98	38.3	29.4	44.0

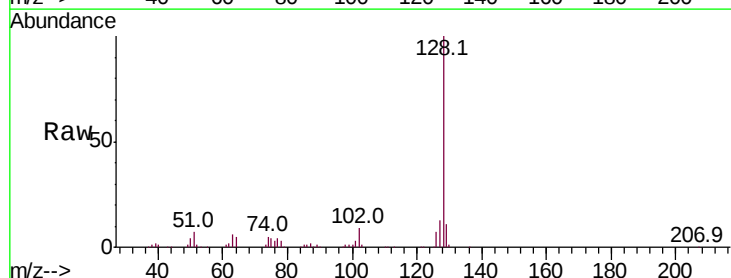


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): B

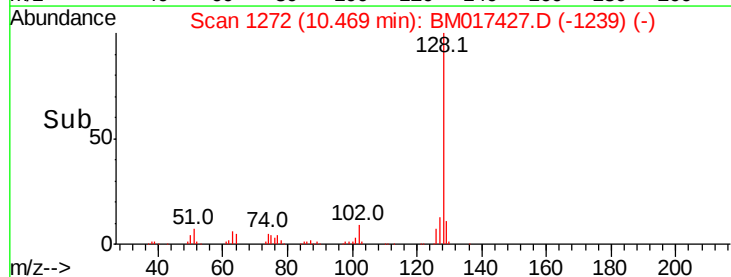
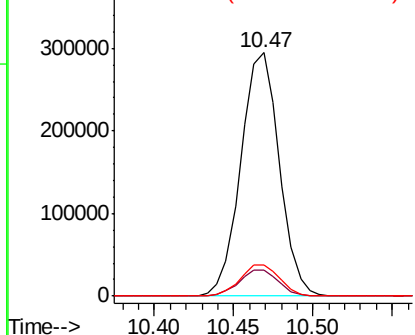


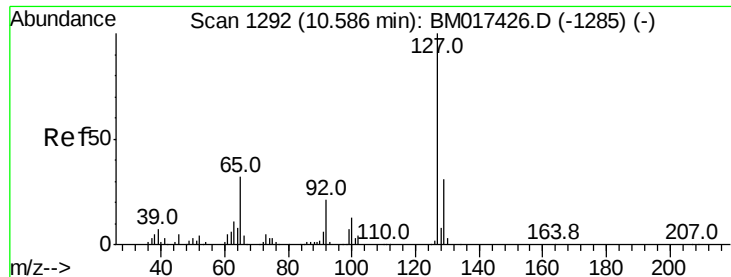
#28
Naphthalene
Concen: 11.816 ng/ul
RT: 10.47 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	12.9	10.3	15.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

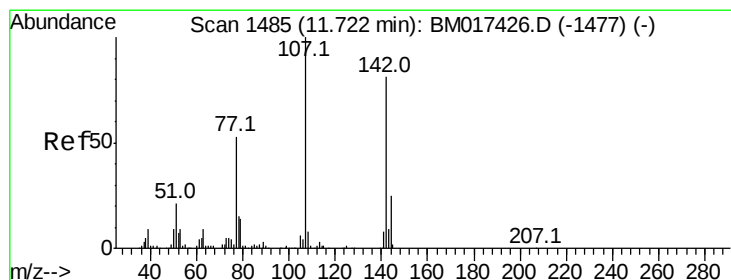
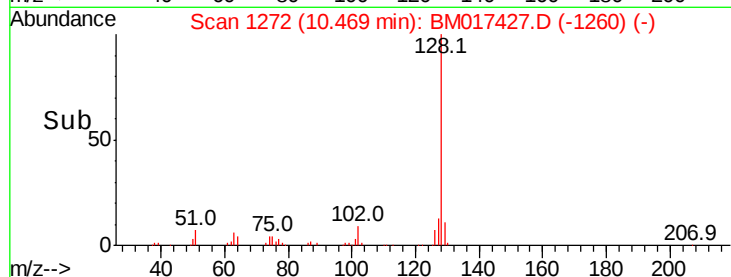
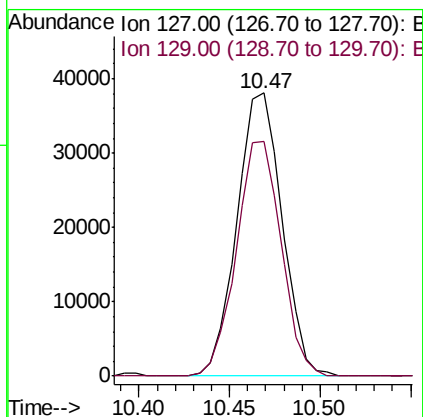
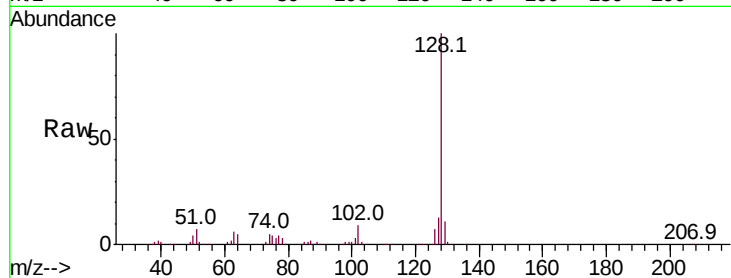




#30
4-Chloroaniline
Concen: 6.037 ng/ul
RT: 10.47 min Scan# 1272
Delta R.T. -0.13 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

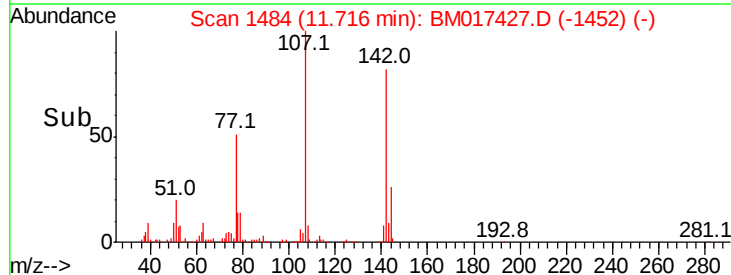
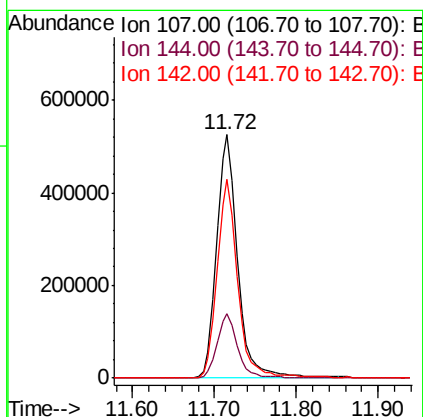
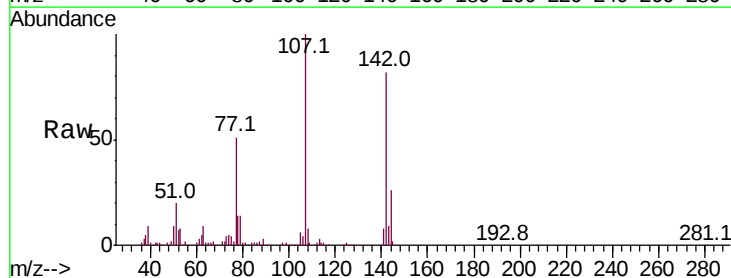
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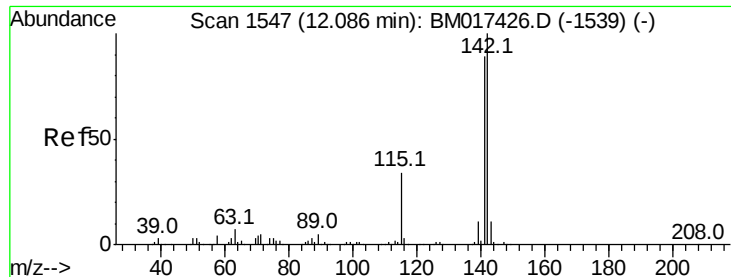
Tot Ion:127 Resp: 66087
Ion Ratio Lower Upper
127 100
129 83.1 26.2 39.4#



#33
4-Chloro-3-methylphenol
Concen: 68.349 ng/ul
RT: 11.72 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Tgt Ion:107 Resp: 944628
Ion Ratio Lower Upper
107 100
144 26.3 21.8 32.6
142 81.5 65.0 97.4





#34

2-Methylnaphthalene

Concen: 29.291 ng/ul

RT: 12.09 min Scan# 1547

Delta R.T. -0.01 min

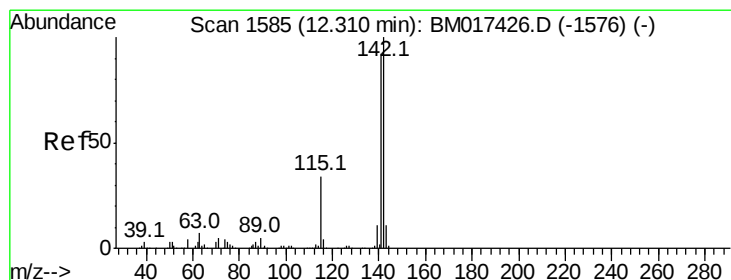
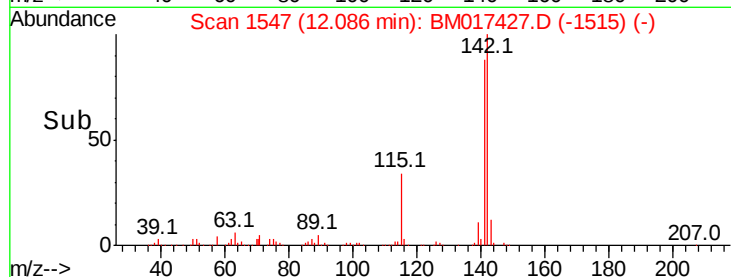
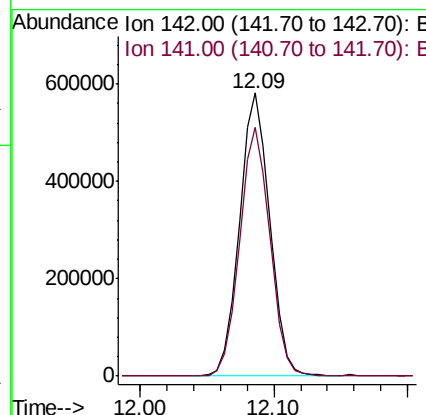
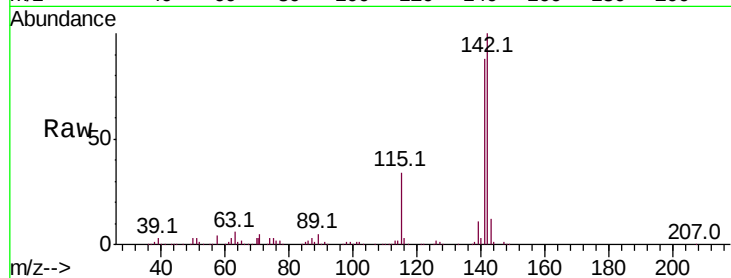
Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Instrument :
BNA_M
ClientSampleId :
A40C4

Tot Ion:142 Resp: 907336

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.4	105.6



#35

1-Methylnaphthalene

Concen: 25.241 ng/ul

RT: 12.31 min Scan# 1585

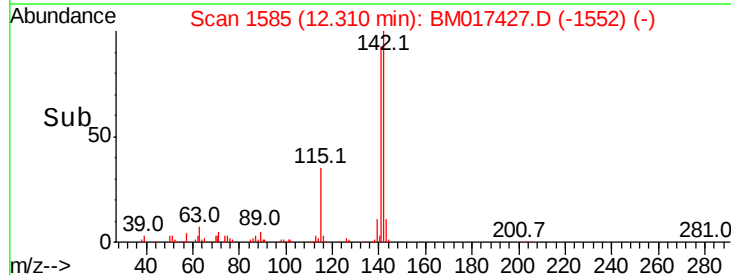
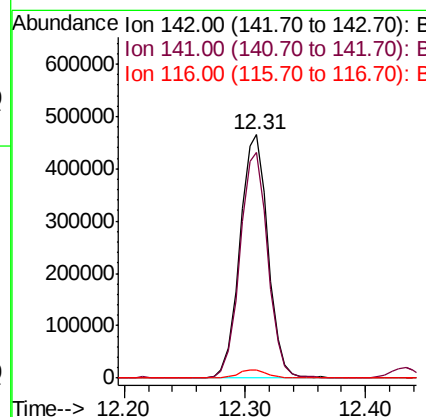
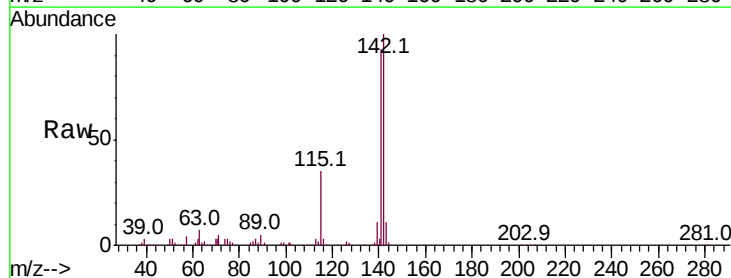
Delta R.T. -0.01 min

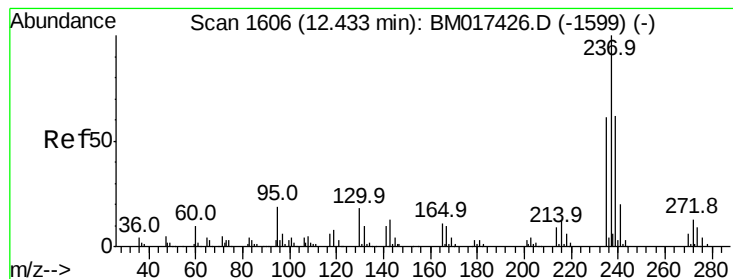
Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Tgt Ion:142 Resp: 749643

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.9	110.9
116	3.5	3.0	4.6





#38

Hexachlorocyclopentadiene

Concen: 24.268 ng/ul

RT: 12.43 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Instrument :

BNA_M

ClientSampled :

A40C4

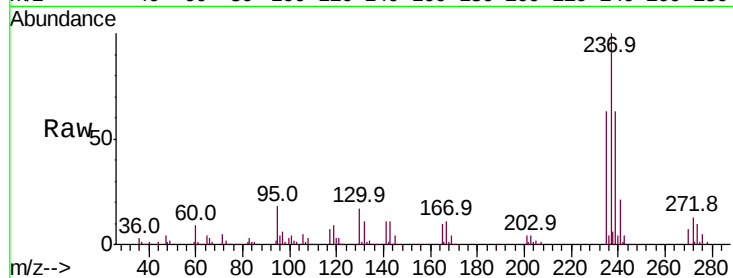
Tot Ion:237 Resp: 260742

Ion Ratio Lower Upper

237 100

235 63.1 50.2 75.4

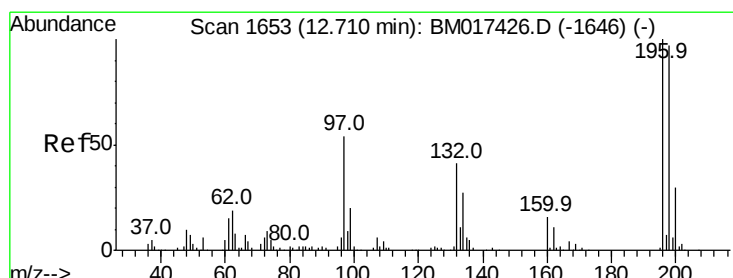
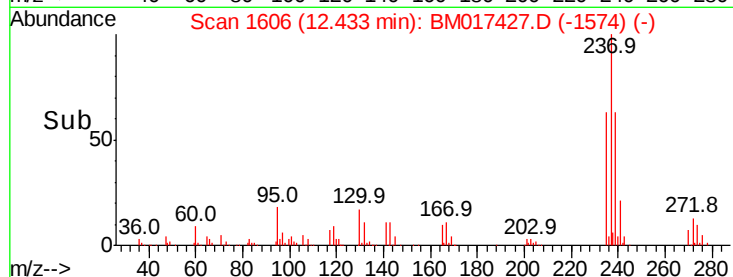
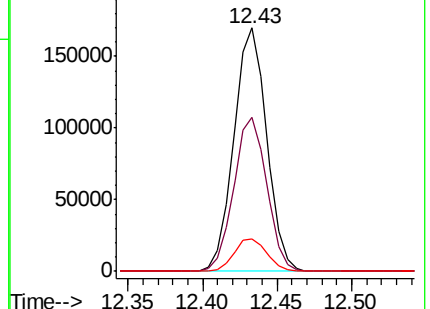
272 13.3 10.5 15.7



Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E



#39

2,4,6-Trichlorophenol

Concen: 20.189 ng/ul

RT: 12.71 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

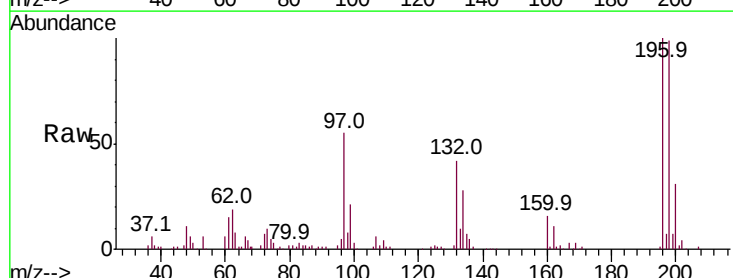
Tgt Ion:196 Resp: 215819

Ion Ratio Lower Upper

196 100

198 99.4 77.0 115.4

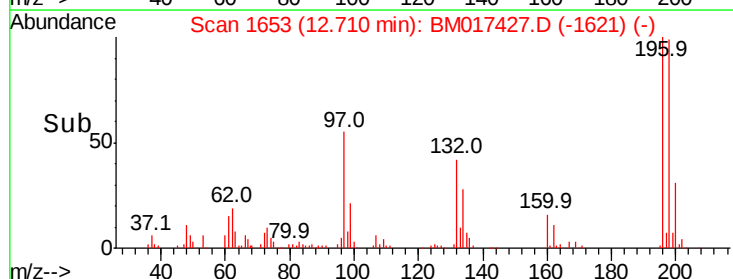
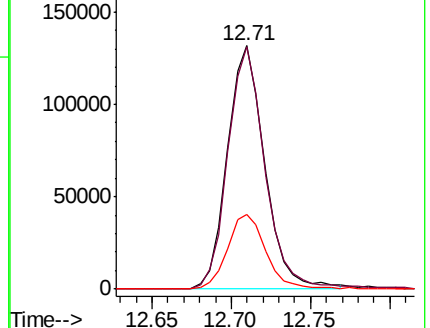
200 30.6 25.2 37.8

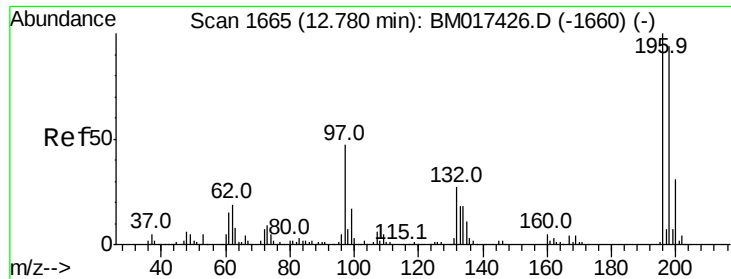


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

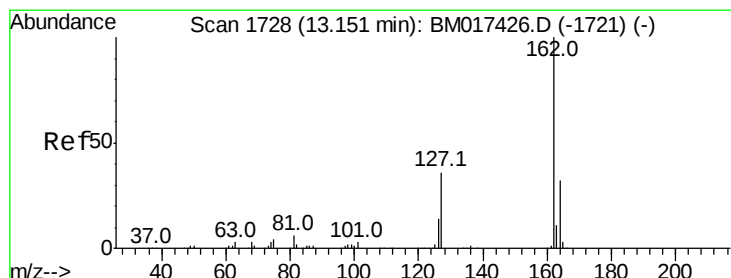
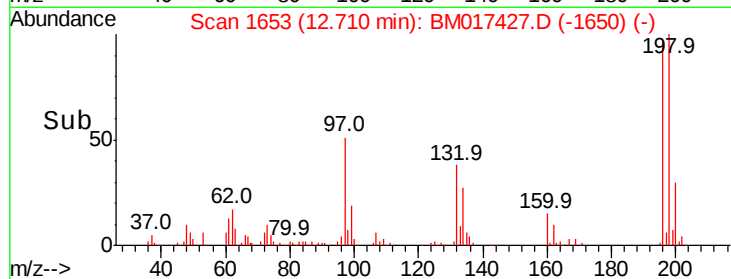
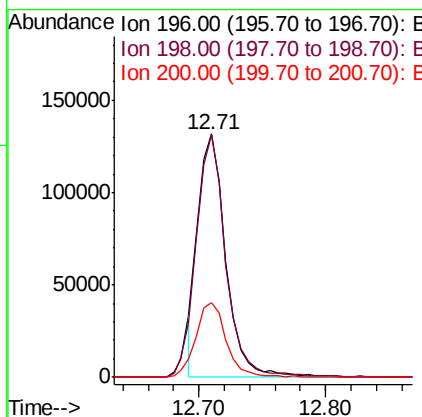
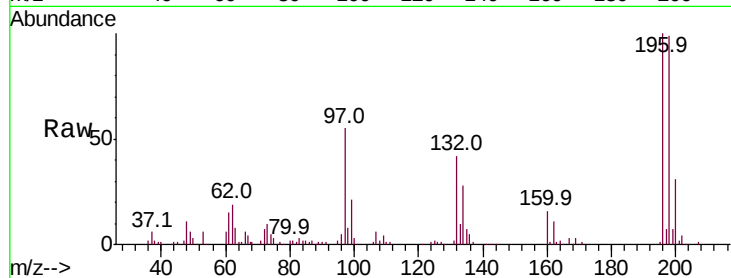




#40
 2,4,5-Trichlorophenol
 Concen: 17.300 ng/ul
 RT: 12.71 min Scan# 1653
 Delta R.T. -0.08 min
 Lab File: BM017427.D
 Acq: 31 Oct 2018 12:48

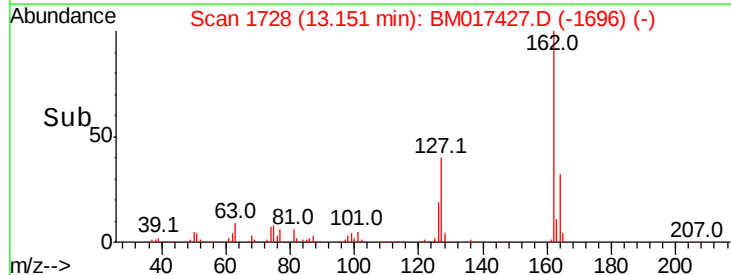
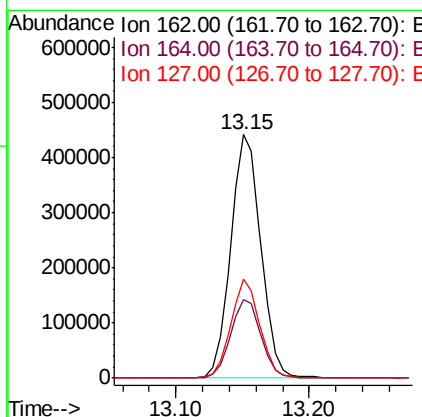
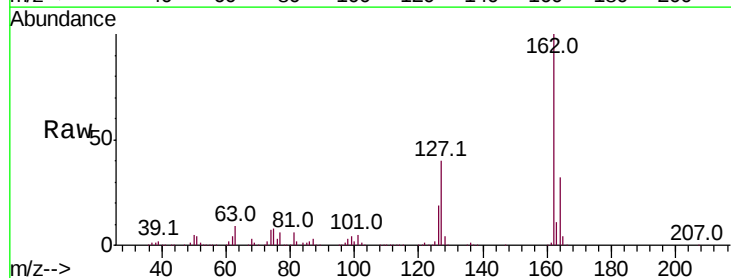
Instrument :
 BNA_M
 ClientSampled :
 A40C4

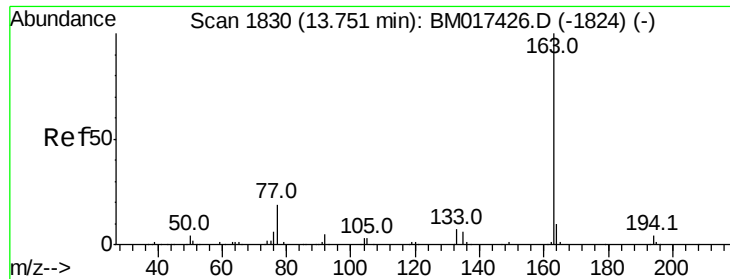
Tot Ion:	196	Resp:	199036
Ion	Ratio	Lower	Upper
196	100		
198	99.4	76.2	114.4
200	30.6	25.4	38.2



#42
 2-Chloronaphthalene
 Concen: 21.439 ng/ul
 RT: 13.15 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BM017427.D
 Acq: 31 Oct 2018 12:48

Tgt Ion:	162	Resp:	694725
Ion	Ratio	Lower	Upper
162	100		
164	32.3	26.2	39.4
127	40.4	32.2	48.2





#45

Dimethylphthalate

Concen: 4.583 ng/ul

RT: 13.75 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Instrument :

BNA_M

ClientSampleId :

A40C4

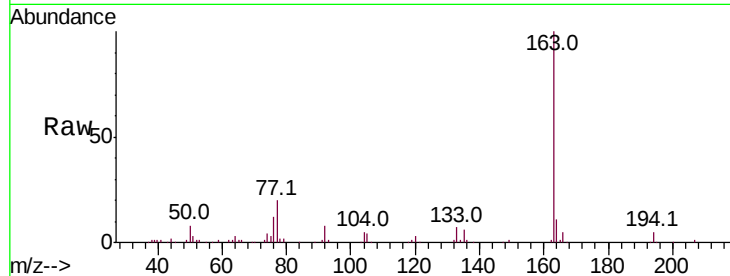
Tot Ion:163 Resp: 190892

Ion Ratio Lower Upper

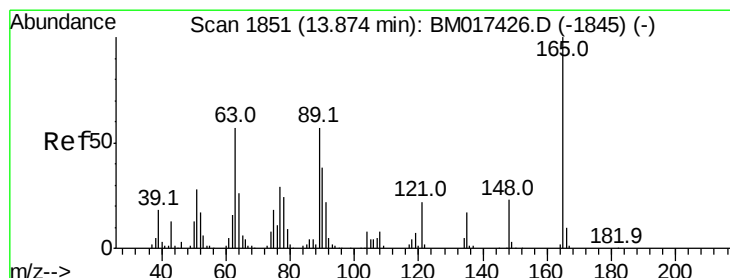
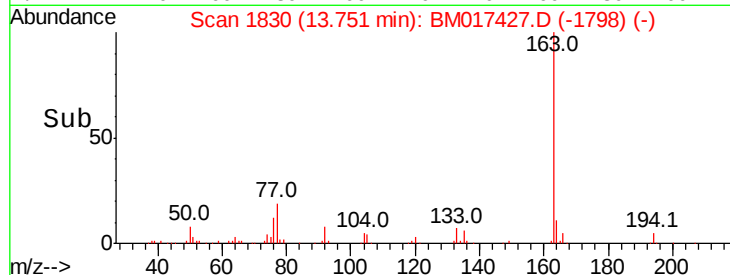
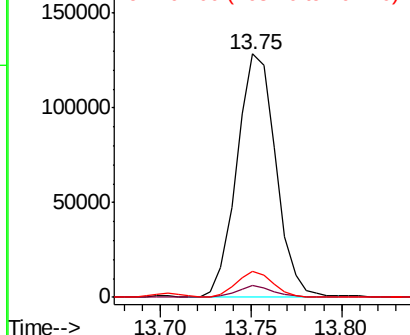
163 100

194 4.7 3.2 4.8

164 10.5 8.1 12.1



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



#46

2,6-Dinitrotoluene

Concen: 15.028 ng/ul

RT: 13.87 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

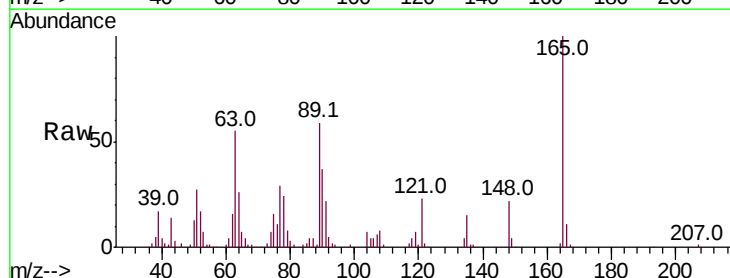
Tgt Ion:165 Resp: 125634

Ion Ratio Lower Upper

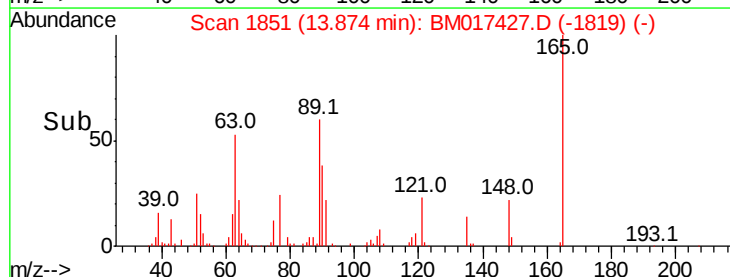
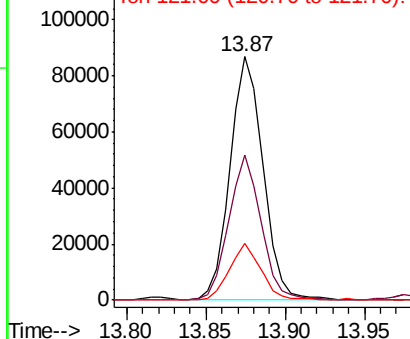
165 100

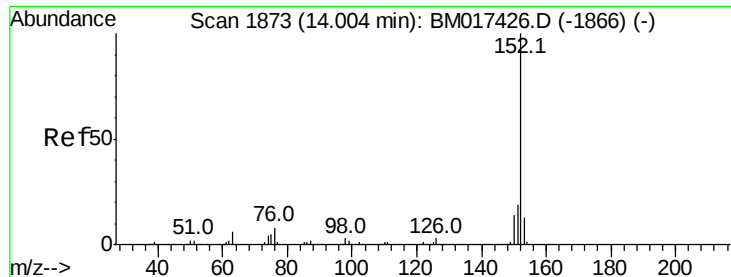
89 59.3 44.0 66.0

121 23.3 17.8 26.8



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BM
Ion 121.00 (120.70 to 121.70): E





#48

Acenaphthylene

Concen: 19.228 ng/ul

RT: 14.00 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Instrument :

BNA_M

ClientSampleId :

A40C4

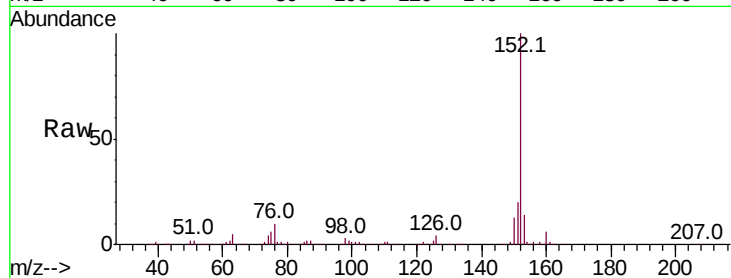
Tot Ion:152 Resp: 941972

Ion Ratio Lower Upper

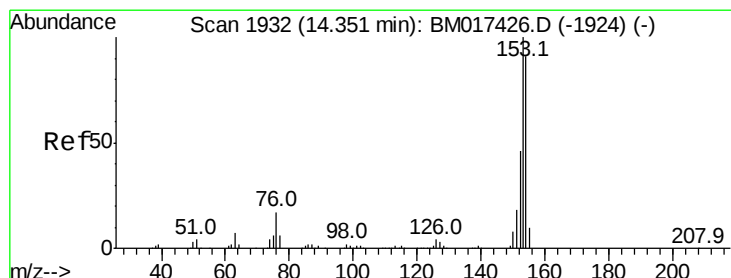
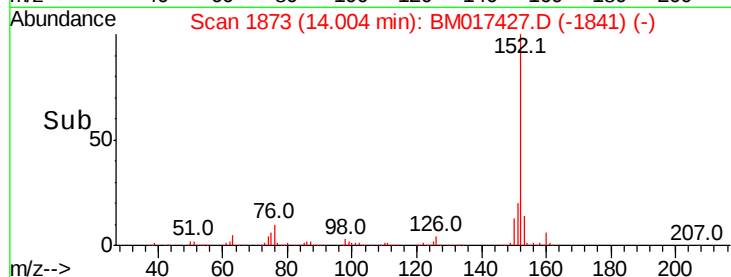
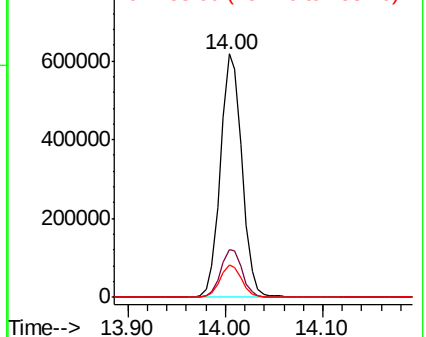
152 100

151 19.7 15.3 22.9

153 13.6 10.2 15.4



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



#50

Acenaphthene

Concen: 14.985 ng/ul

RT: 14.35 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

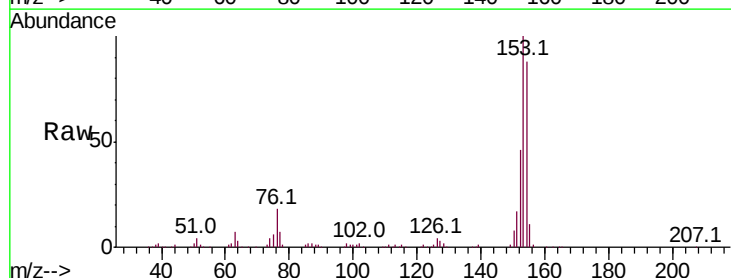
Tgt Ion:153 Resp: 525635

Ion Ratio Lower Upper

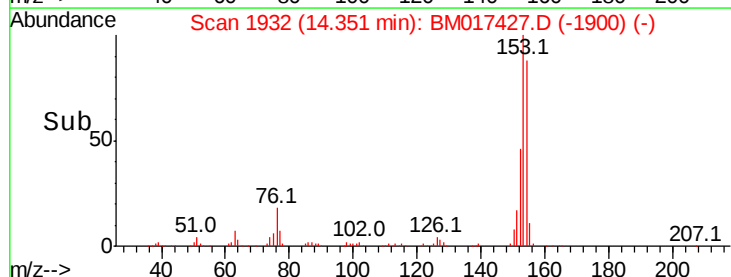
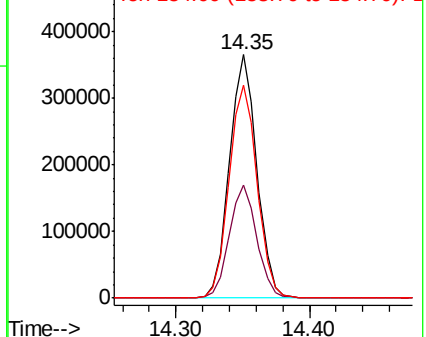
153 100

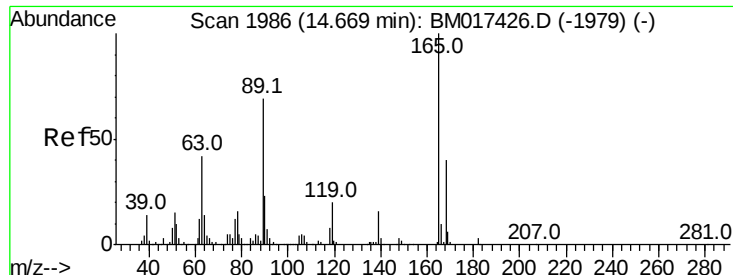
152 46.3 36.9 55.3

154 87.6 72.2 108.4



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

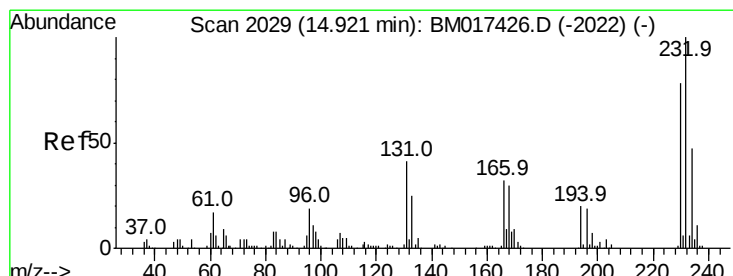
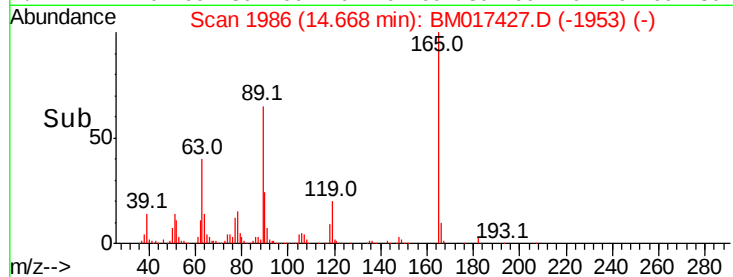
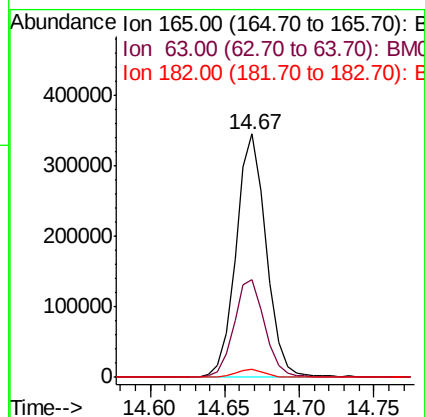
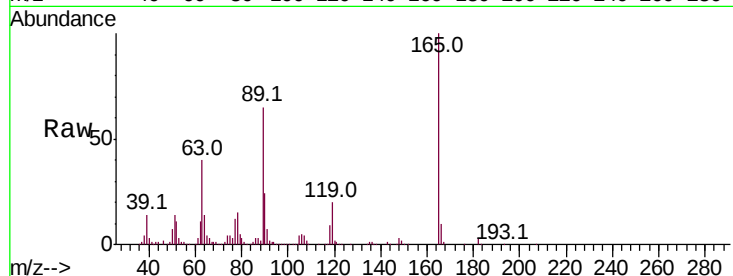




#55
 2,4-Dinitrotoluene
 Concen: 39.006 ng/uL
 RT: 14.67 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: BM017427.D
 Acq: 31 Oct 2018 12:48

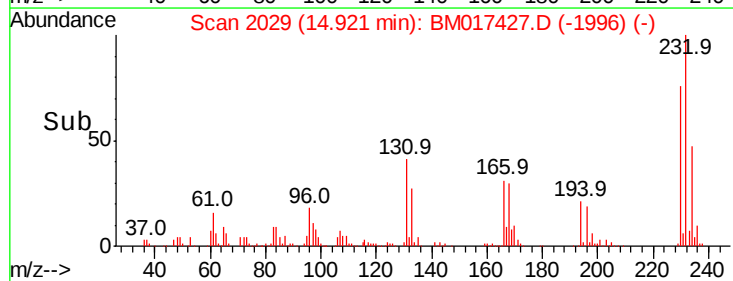
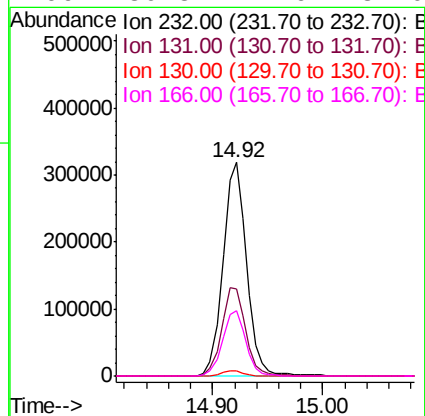
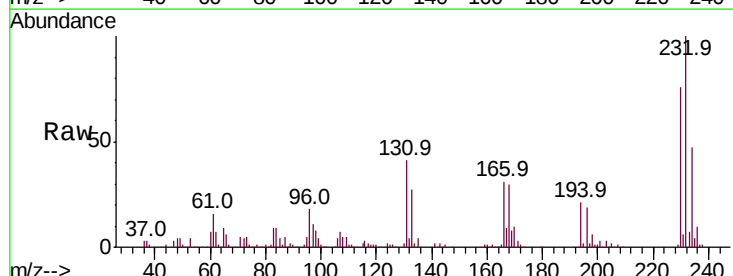
Instrument :
 BNA_M
 ClientSampleId :
 A40C4

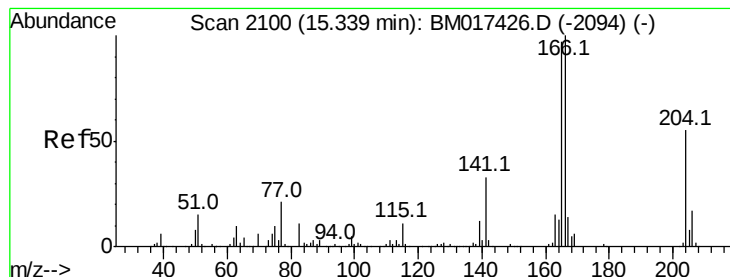
Tot Ion	Ratio	Lower	Upper
165	100		
63	40.2	33.9	50.9
182	3.4	2.2	3.4



#56
 2,3,4,6-Tetrachlorophenol
 Concen: 44.643 ng/uL
 RT: 14.92 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BM017427.D
 Acq: 31 Oct 2018 12:48

Tgt Ion	Ratio	Lower	Upper
232	100		
131	40.7	33.0	49.4
130	2.5	1.9	2.9
166	30.8	24.6	37.0





#59

Fluorene

Concen: 15.019 ng/ul

RT: 15.34 min Scan# 2100

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Instrument :

BNA_M

ClientSampleId :

A40C4

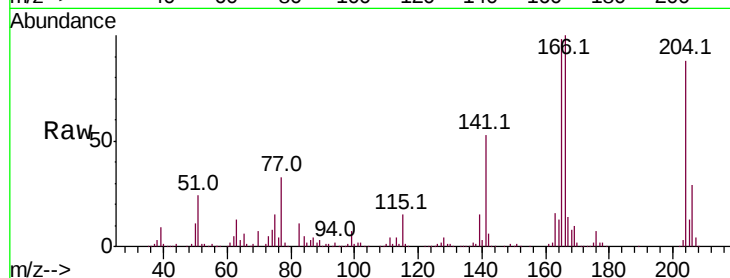
Tot Ion:166 Resp: 615226

Ion Ratio Lower Upper

166 100

165 98.1 77.5 116.3

167 14.2 10.8 16.2

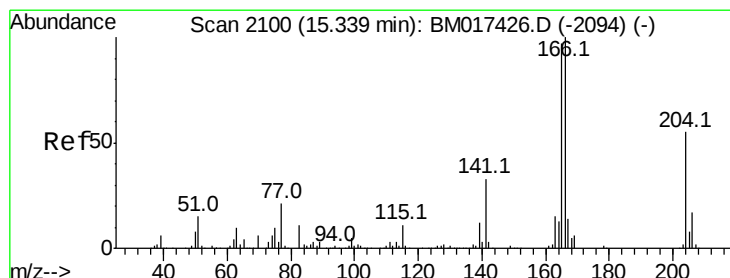
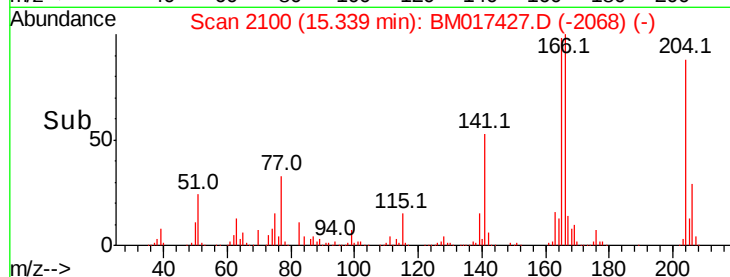
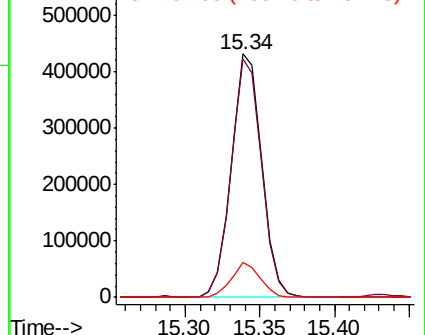


Abundance

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



#60

4-Chlorophenyl-phenylether

Concen: 24.802 ng/ul

RT: 15.34 min Scan# 2100

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

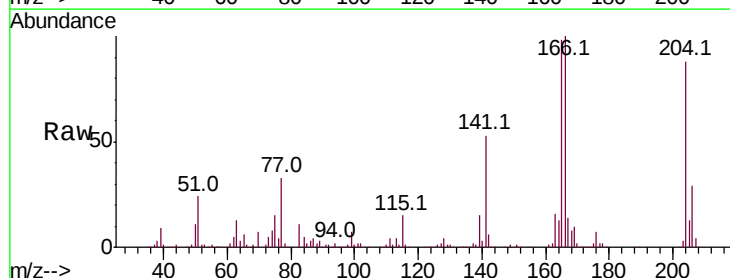
Tgt Ion:204 Resp: 519849

Ion Ratio Lower Upper

204 100

206 32.9 25.9 38.9

141 60.6 47.4 71.0

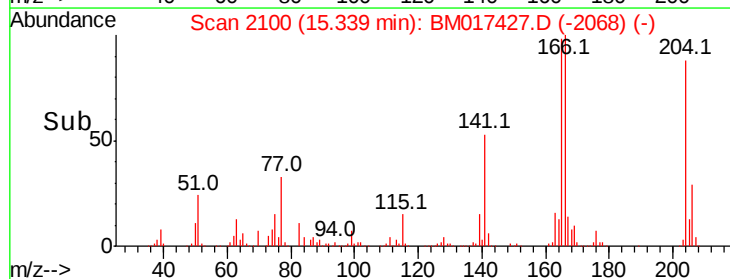
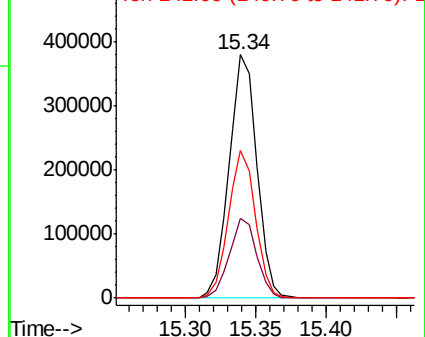


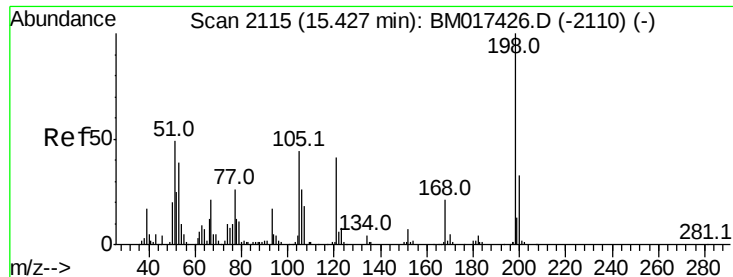
Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

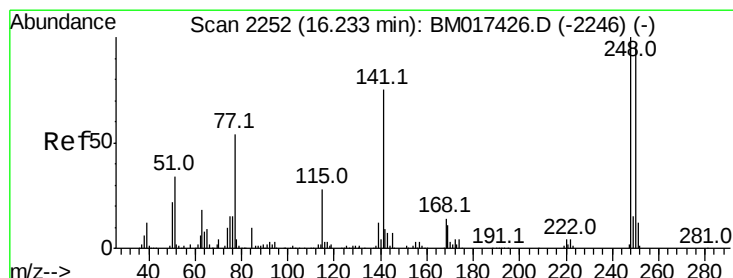
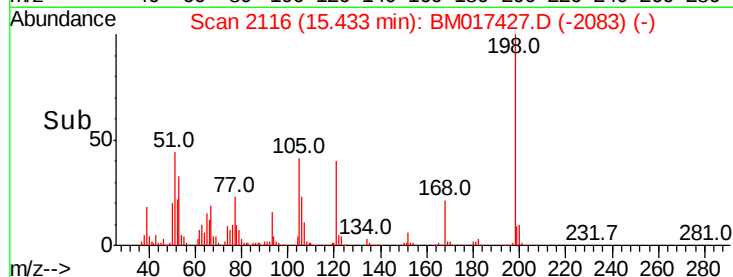
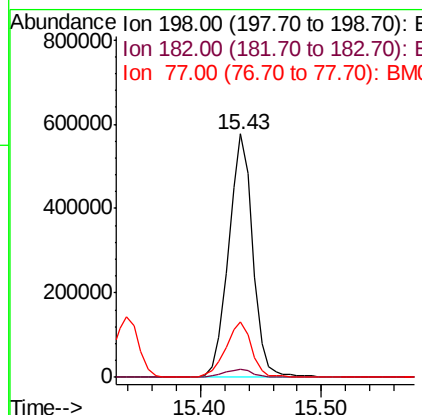
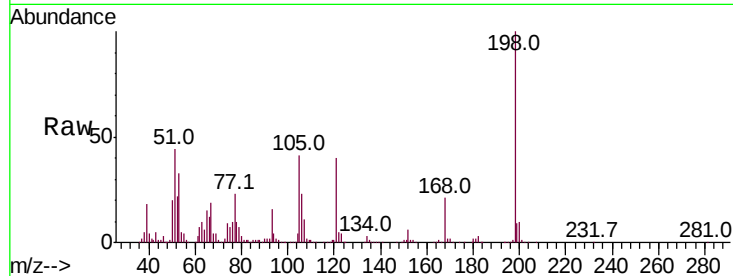




#64
4,6-Dinitro-2-methylphenol
Concen: 95.242 ng/ul
RT: 15.43 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

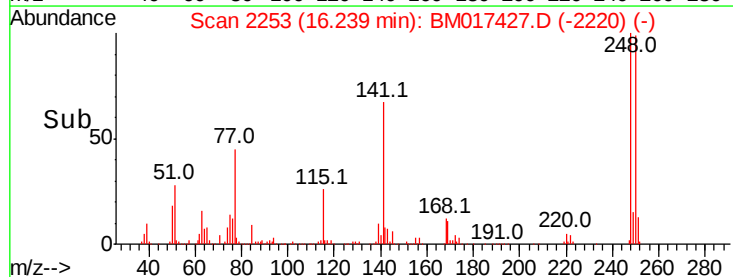
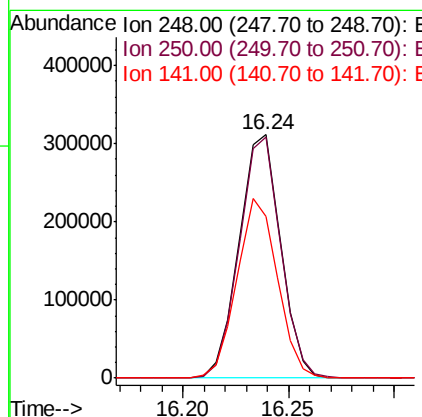
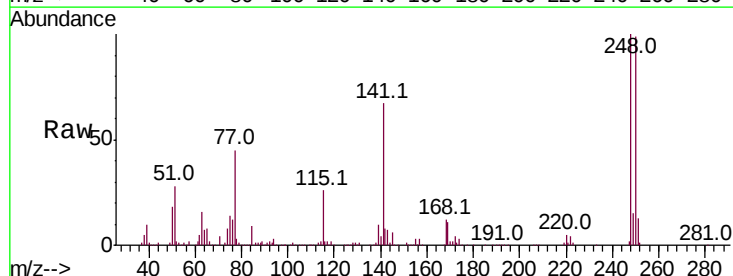
Instrument :
BNA_M
ClientSampleId :
A40C4

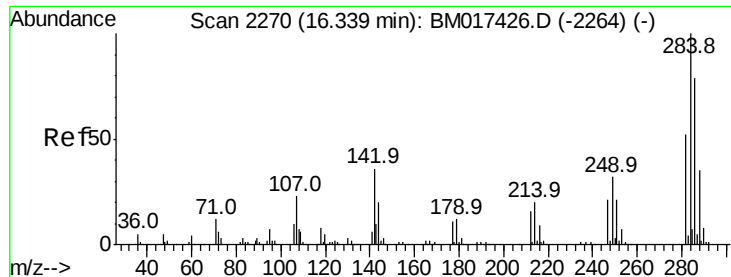
Tot Ion:198 Resp: 802125
Ion Ratio Lower Upper
198 100
182 3.4 3.5 5.3#
77 23.0 20.3 30.5



#66
4-Bromophenyl-phenylether
Concen: 32.083 ng/ul
RT: 16.24 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Tgt Ion:248 Resp: 426451
Ion Ratio Lower Upper
248 100
250 99.1 80.0 120.0
141 66.7 60.6 91.0

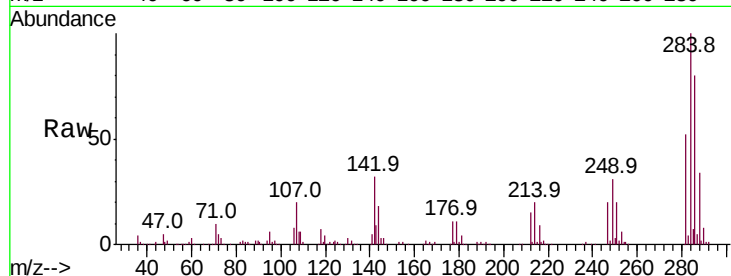




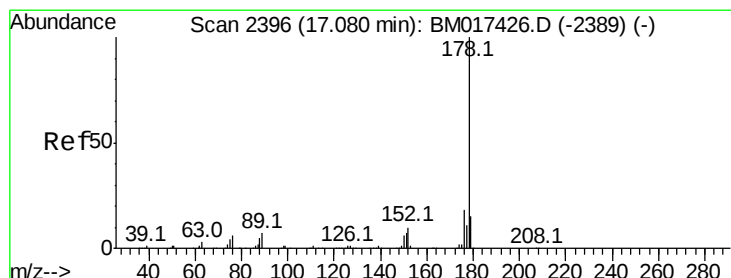
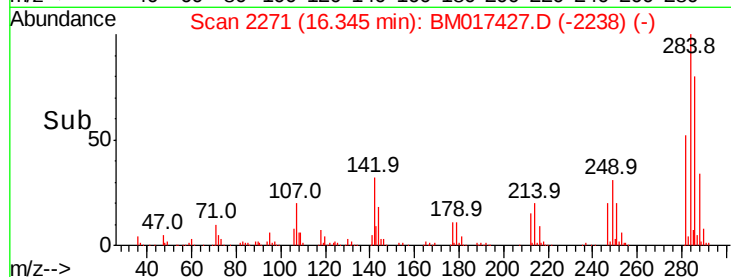
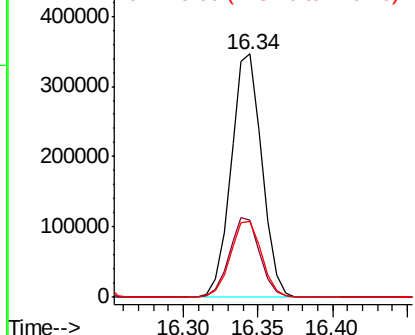
#67
Hexachlorobenzene
Concen: 33.278 ng/ul
RT: 16.34 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Instrument :
BNA_M
ClientSampleId :
A40C4

Tot Ion	Ratio	Lower	Upper
284	100		
142	31.8	28.0	42.0
249	30.9	25.8	38.6

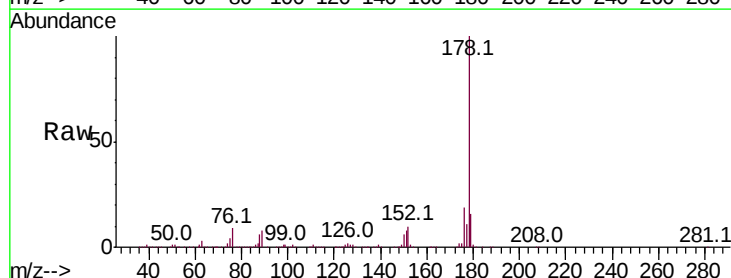


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

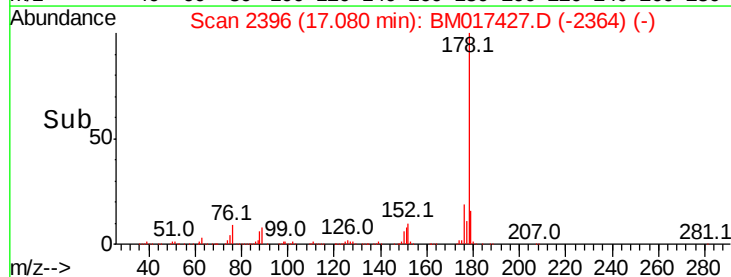
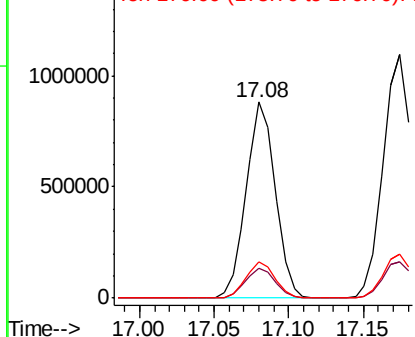


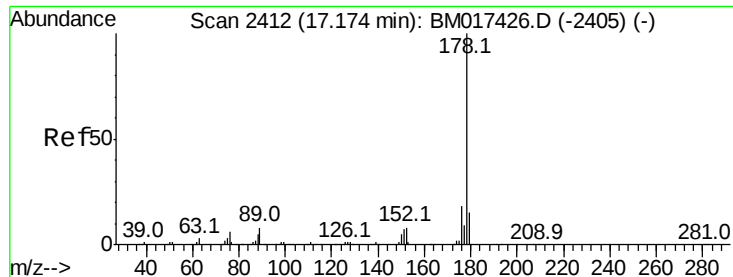
#70
Phenanthrene
Concen: 17.527 ng/ul
RT: 17.08 min Scan# 2396
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	18.5	14.9	22.3



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



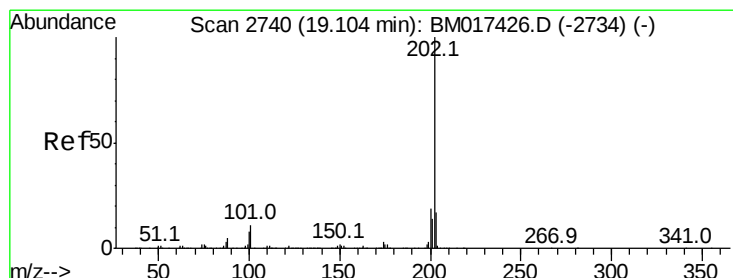
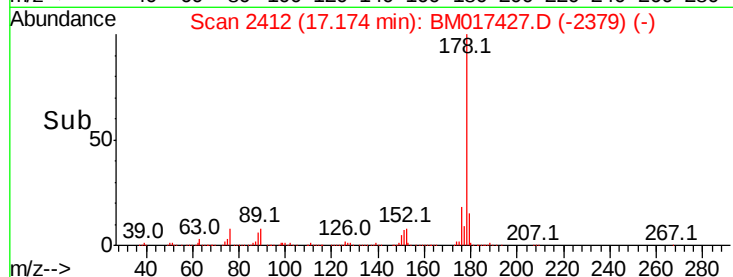
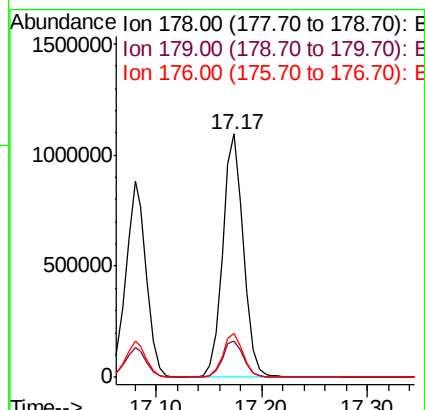
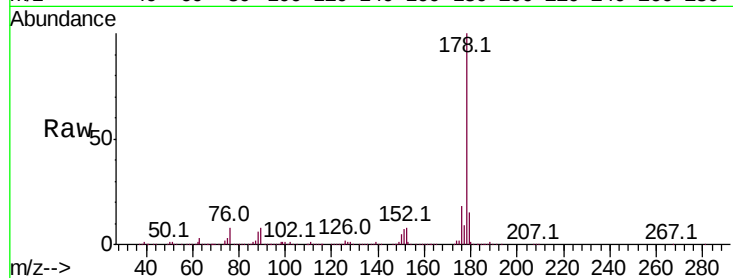


#72
 Anthracene
 Concen: 21.621 ng/ul
 RT: 17.17 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BM017427.D
 Acq: 31 Oct 2018 12:48

Instrument :
 BNA_M
 ClientSampleId :
 A40C4

Tot Ion:178 Resp: 1492592

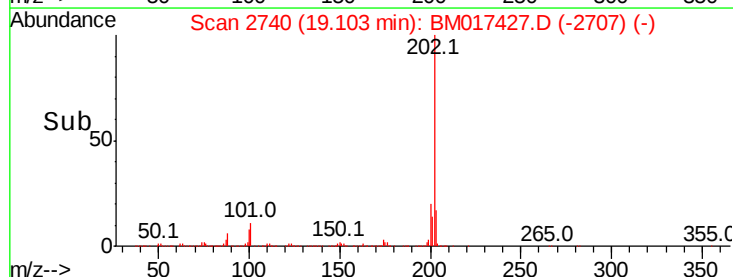
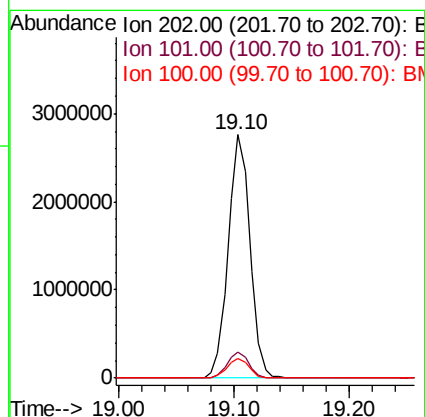
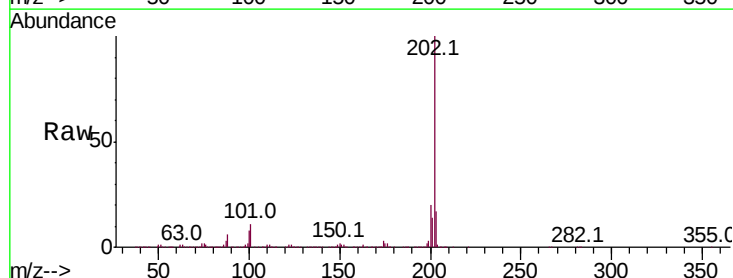
Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.2
176	17.8	14.2	21.2

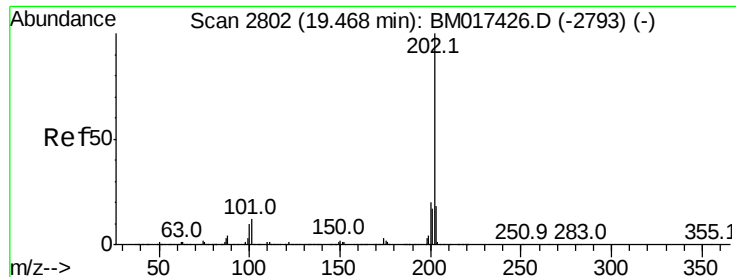


#77
 Fluoranthene
 Concen: 46.296 ng/ul
 RT: 19.10 min Scan# 2740
 Delta R.T. -0.01 min
 Lab File: BM017427.D
 Acq: 31 Oct 2018 12:48

Tgt Ion:202 Resp: 3607020

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.2	12.4
100	8.2	6.3	9.5

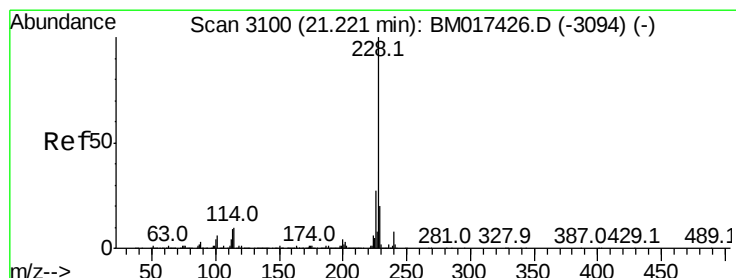
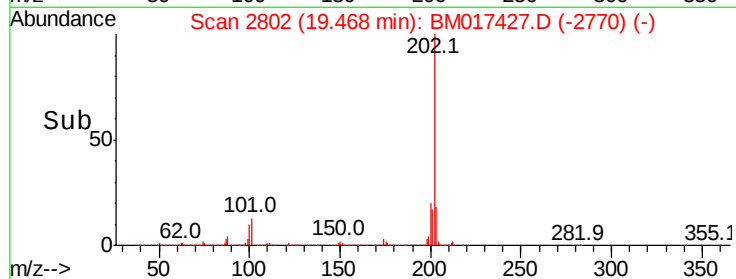
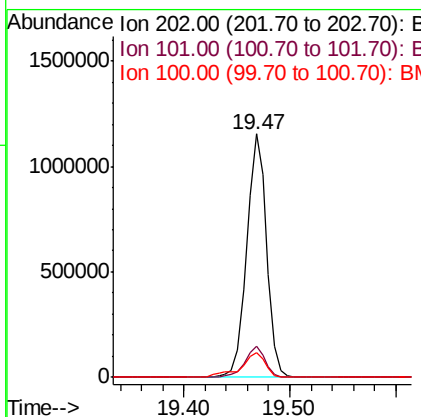
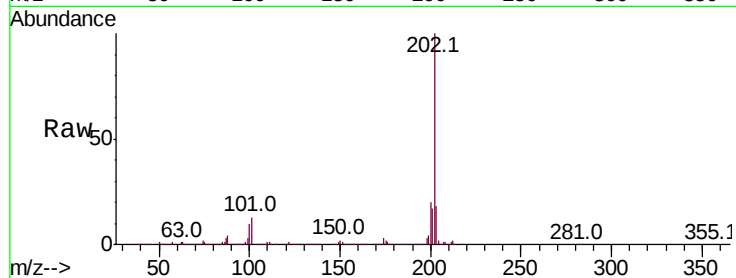




#80
Pvrene
Concen: 19.074 ng/ul
RT: 19.47 min Scan# 2802
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

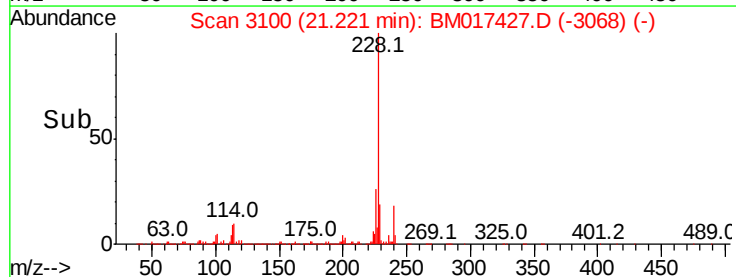
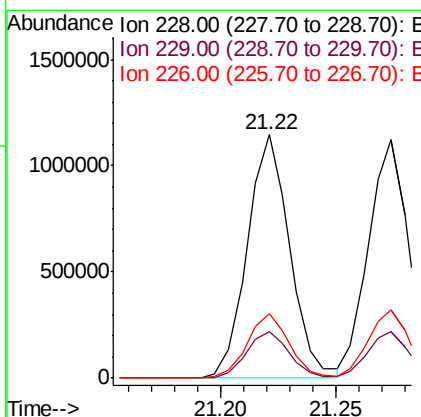
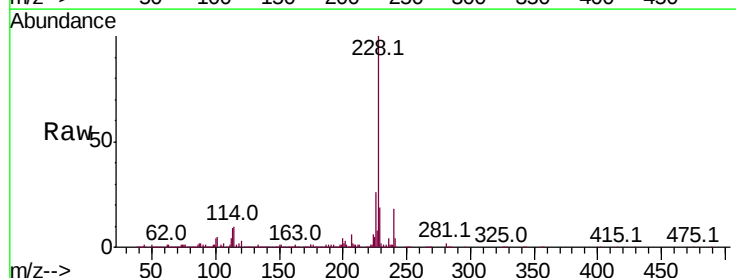
Instrument :
BNA_M
ClientSampleId :
A40C4

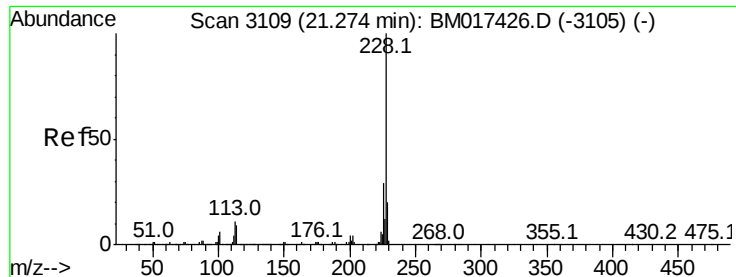
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.5	14.3
100	10.1	8.1	12.1



#83
Benzo(a)anthracene
Concen: 17.620 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.1	15.6	23.4
226	26.3	20.8	31.2





#85

Chrysene

Concen: 17.353 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Instrument :

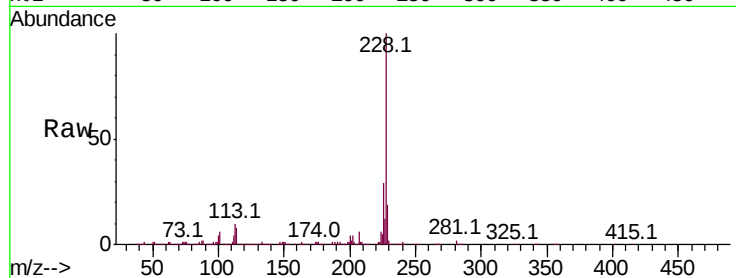
BNA_M

ClientSampled :

A40C4

Tot Ion:228 Resp: 1373950

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.3	34.9
229	19.4	15.6	23.4

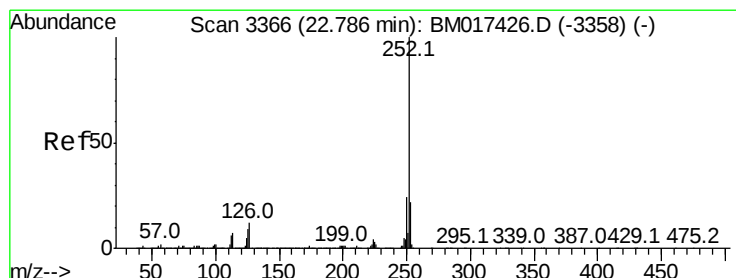
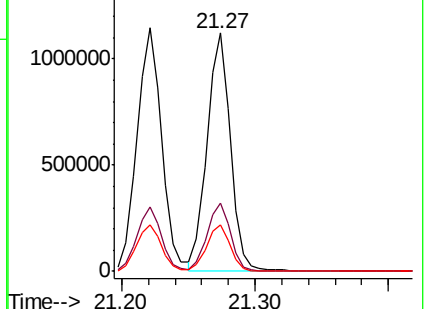
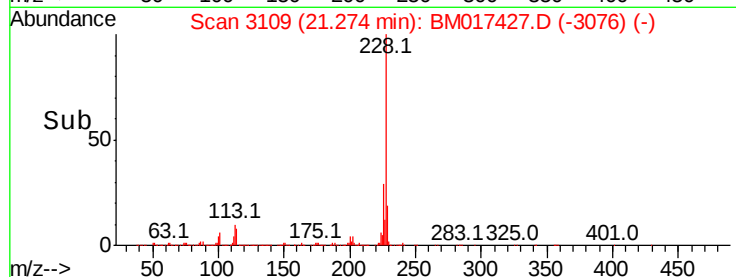


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 59.868 ng/ul

RT: 22.79 min Scan# 3366

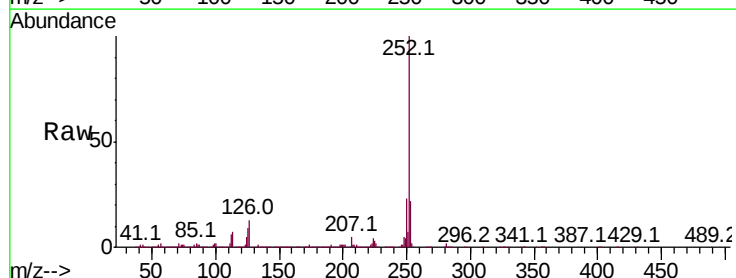
Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Tgt Ion:252 Resp: 4450723

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.4	7.2	10.8

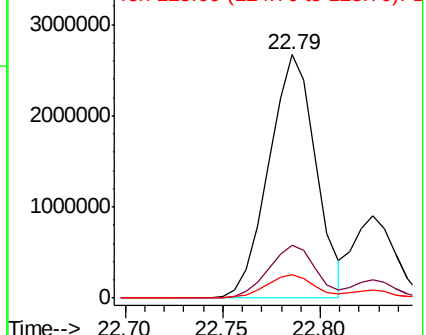
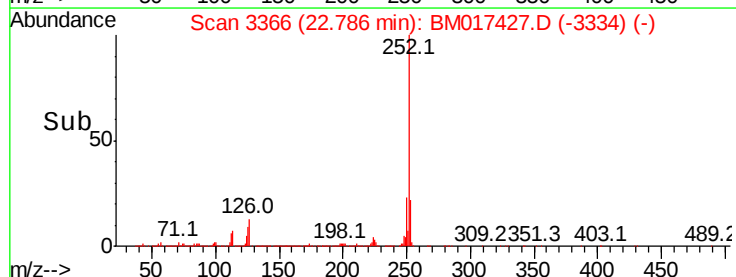


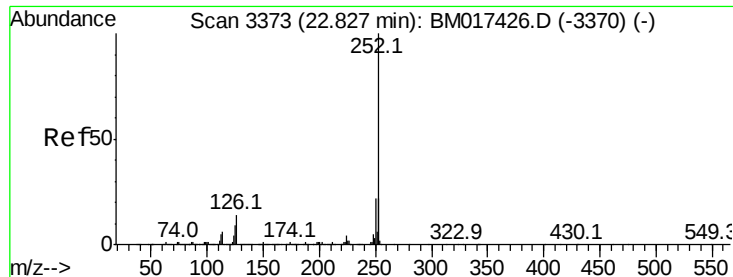
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 18.518 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Instrument :

BNA_M

ClientSampleId :

A40C4

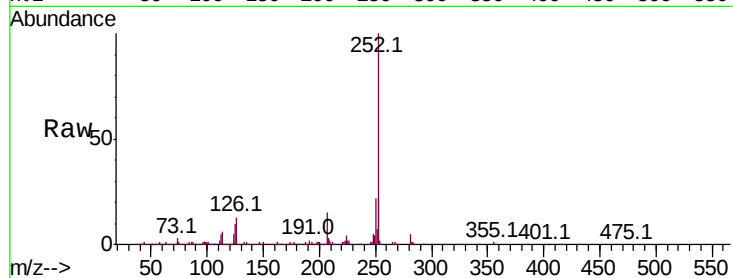
Tot Ion:252 Resp: 1344757

Ion Ratio Lower Upper

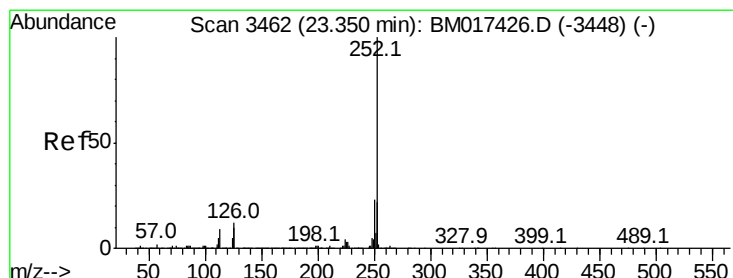
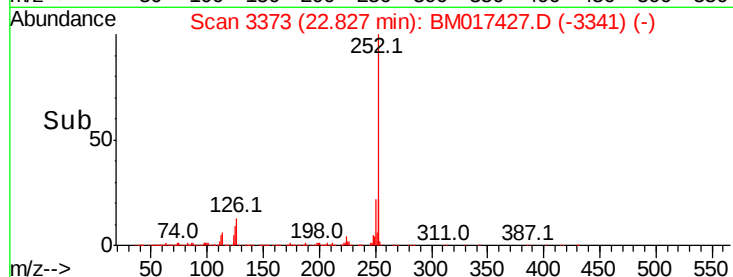
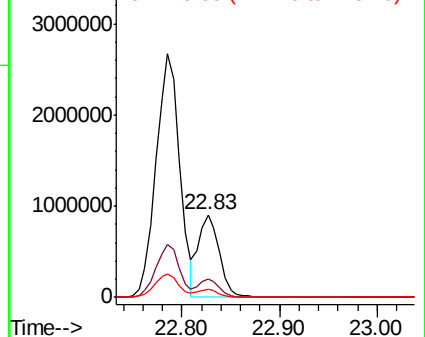
252 100

253 21.9 17.7 26.5

125 9.5 7.8 11.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 14.843 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. -0.02 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

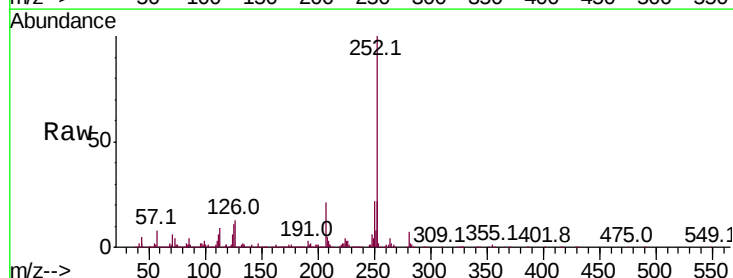
Tgt Ion:252 Resp: 1078054

Ion Ratio Lower Upper

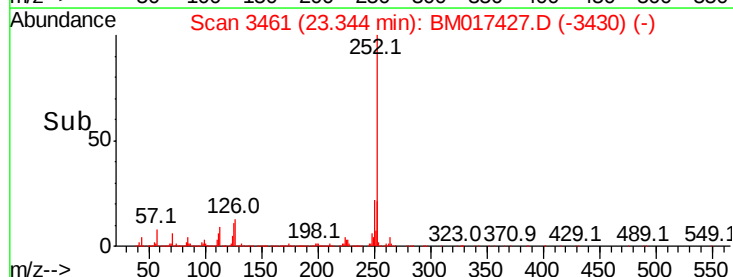
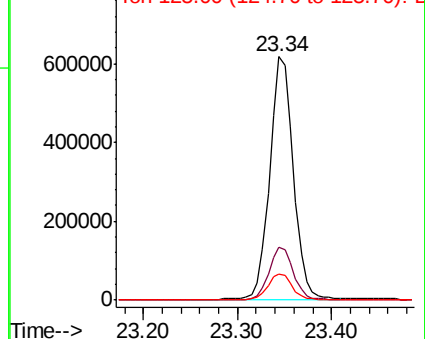
252 100

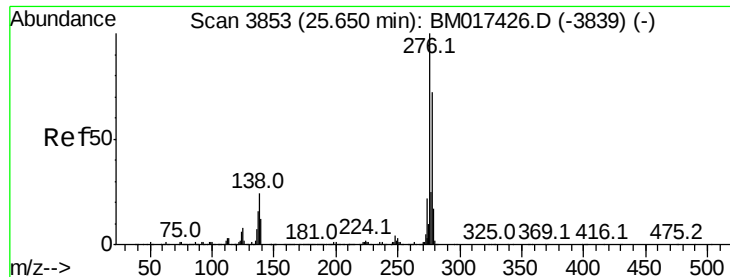
253 21.5 17.6 26.4

125 10.8 8.3 12.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



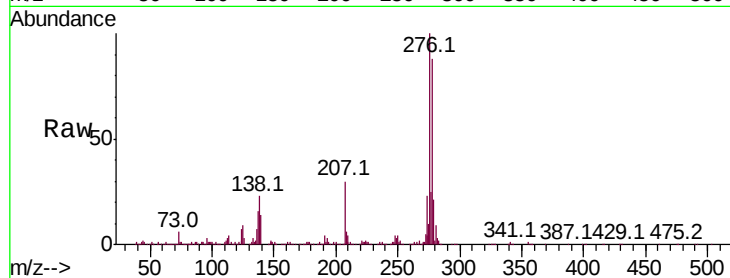


#92

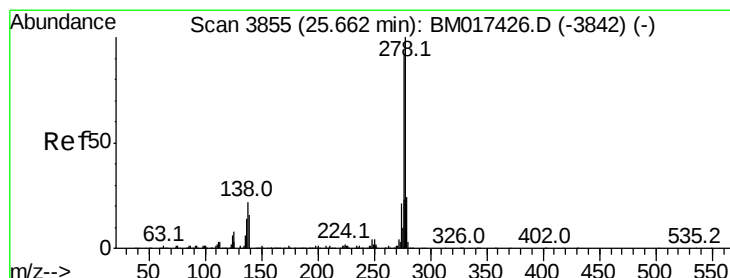
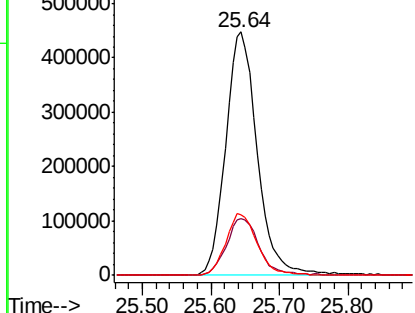
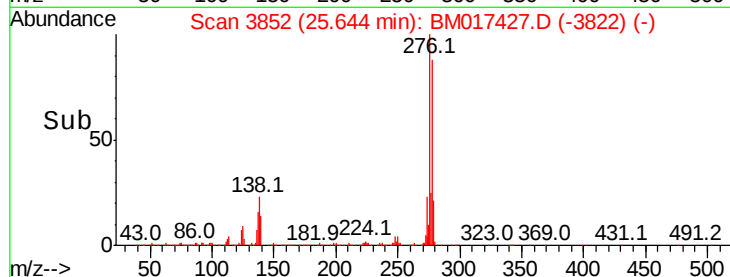
Indeno(1,2,3-cd)pyrene
Concen: 16.155 ng/ul
RT: 25.64 min Scan# 3852
Delta R.T. -0.02 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Instrument :
BNA_M
ClientSampleId :
A40C4

Tot Ion:276 Resp: 1427603
Ion Ratio Lower Upper
276 100
138 23.5 18.1 27.1
277 25.0 19.6 29.4



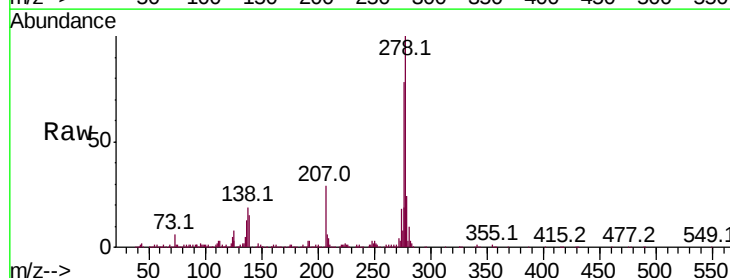
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



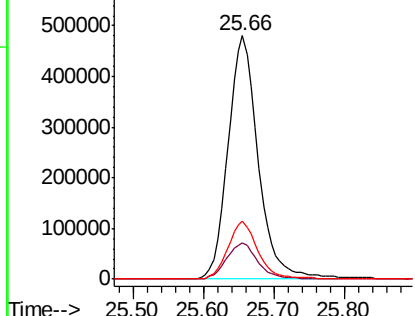
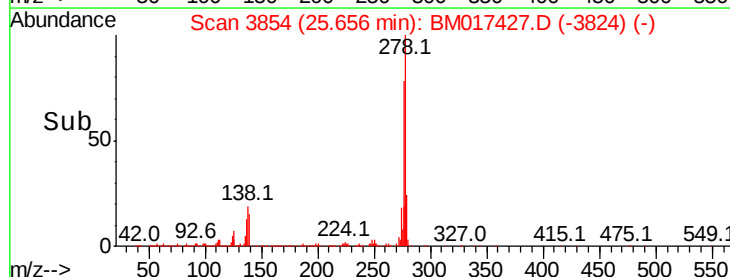
#93

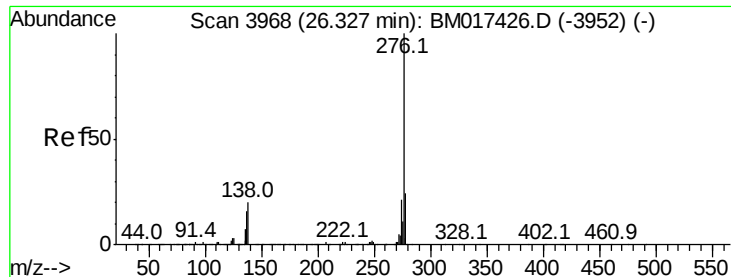
Dibenzo(a,h)anthracene
Concen: 19.316 ng/ul
RT: 25.66 min Scan# 3854
Delta R.T. -0.02 min
Lab File: BM017427.D
Acq: 31 Oct 2018 12:48

Tgt Ion:278 Resp: 1425335
Ion Ratio Lower Upper
278 100
139 14.8 12.7 19.1
279 23.7 19.0 28.4



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





#94

Benzo(a,h,i)perylene

Concen: 16.257 ng/ul

RT: 26.31 min Scan# 3966

Delta R.T. -0.02 min

Lab File: BM017427.D

Acq: 31 Oct 2018 12:48

Instrument :

BNA_M

ClientSampleId :

A40C4

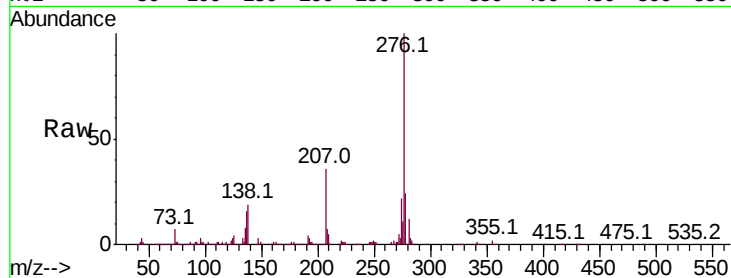
Tot Ion:276 Resp: 1220459

Ion Ratio Lower Upper

276 100

138 19.5 16.6 25.0

277 23.6 18.9 28.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

