

Data File : BM017431.D
Acq On : 31 Oct 2018 15:56
Operator : MJ/SJ
Sample : J5657-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A40D1

Quant Time: Nov 01 05:40:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 01 05:28:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	165518	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	814398	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	508891	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1205504	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1417337	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	1363900	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	16165	4.49	ng/uL	0.00
5) Phenol-d5	6.83	99	440210	29.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	245868	27.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	347270	29.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	352163	29.46	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	181527	28.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	205276	28.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	399998	30.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	385186	35.59	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1465736	33.59	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1723007	32.52	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	219579	26.93	ng/ul	0.00
58) Fluorene-d10	15.29	176	1284375	33.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	235264	28.01	ng/ul	0.00
71) Anthracene-d10	17.14	188	2144233	35.93	ng/ul	0.00
79) Pyrene-d10	19.44	212	2505876	38.16	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	2717007	37.72	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.25	88	34556	9.532	ng/ul 98
6) Phenol	6.86	94	30007	1.999	ng/ul 98
12) 2,2'-oxybis(1-Chloropropan	8.17	45	289557	19.105	ng/ul 99
20) Nitrobenzene	8.84	77	299273	19.895	ng/ul 99
23) 2-Nitrophenol	9.55	139	202135	26.880	ng/ul 97
25) Bis(2-Chloroethoxy)methane	9.85	93	292297	16.870	ng/ul 99
27) 2,4-Dichlorophenol	10.07	162	253601	19.966	ng/ul 99
28) Naphthalene	10.47	128	508593	11.938	ng/ul 100
30) 4-Chloroaniline	10.47	127	66338	5.996	ng/ul# 13
33) 4-Chloro-3-methylphenol	11.72	107	961303	68.822	ng/ul 98
34) 2-Methylnaphthalene	12.09	142	946016	30.218	ng/ul 100
35) 1-Methylnaphthalene	12.31	142	787508	26.236	ng/ul 99
38) Hexachlorocyclopentadiene	12.43	237	282525	25.905	ng/ul 98
39) 2,4,6-Trichlorophenol	12.71	196	230120	21.207	ng/ul 100
40) 2,4,5-Trichlorophenol	12.71	196	213033	18.242	ng/ul 99
42) 2-Chloronaphthalene	13.15	162	733321	22.294	ng/ul 99
45) Dimethylphthalate	13.75	163	155002	3.666	ng/ul 100
46) 2,6-Dinitrotoluene	13.87	165	116806	13.765	ng/ul 97
48) Acenaphthylene	14.01	152	960603	19.316	ng/ul 99
50) Acenaphthene	14.35	153	540809	15.188	ng/ul 99
55) 2,4-Dinitrotoluene	14.67	165	451284	35.647	ng/ul 98
56) 2,3,4,6-Tetrachlorophenol	14.92	232	451100	41.734	ng/ul 99
59) Fluorene	15.34	166	597393	14.367	ng/ul 99

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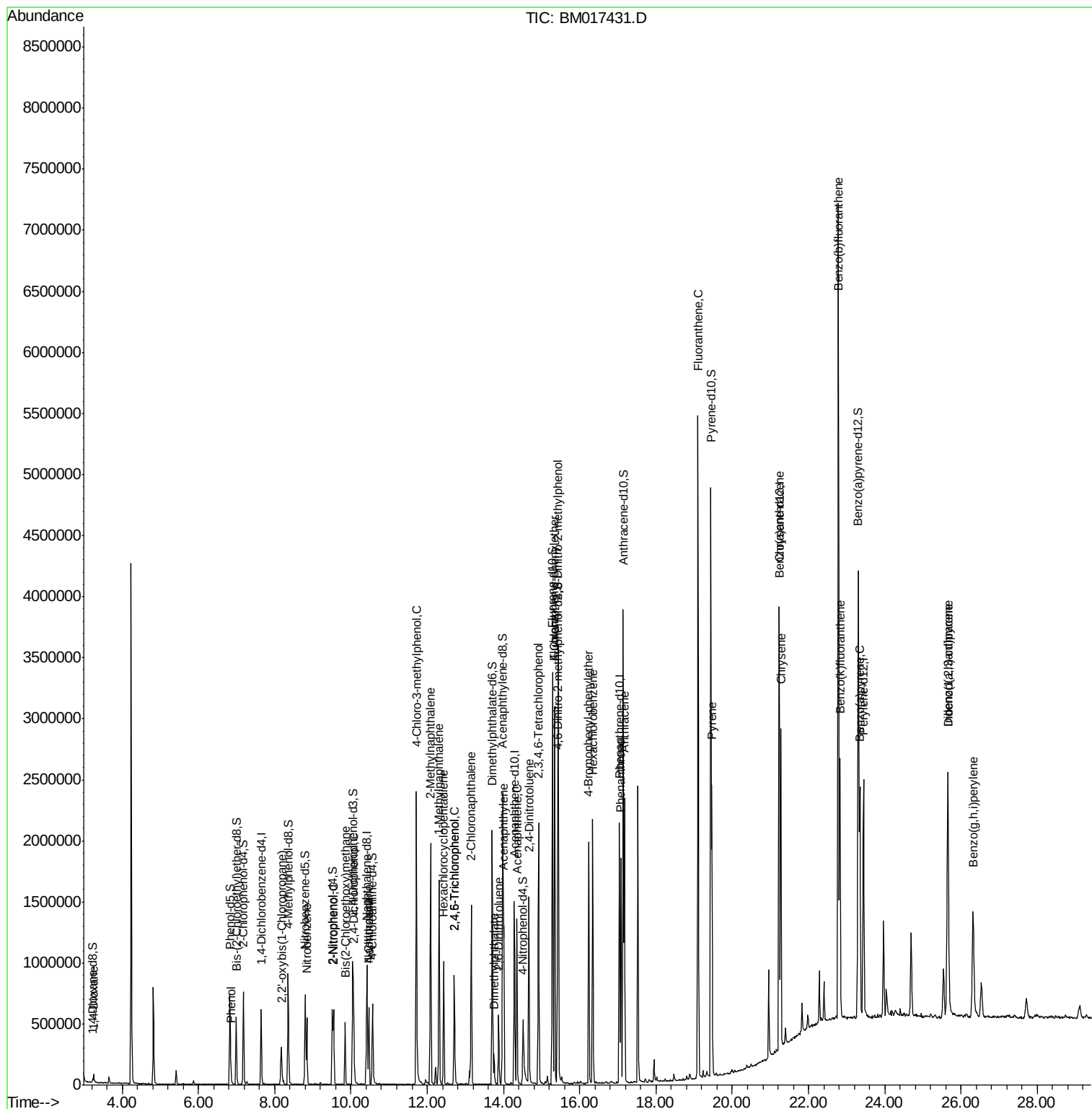
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Chlorophenyl-phenylether	15.34	204	507255	23.842	ng/ul	98
64) 4,6-Dinitro-2-methylphenol	15.43	198	773780	90.212	ng/ul	96
66) 4-Bromophenyl-phenylether	16.24	248	406061	29.996	ng/ul	95
67) Hexachlorobenzene	16.34	284	470012	30.775	ng/ul	95
70) Phenanthrene	17.08	178	1104544	15.956	ng/ul	100
72) Anthracene	17.17	178	1361840	19.369	ng/ul	99
77) Fluoranthene	19.10	202	3323095	41.879	ng/ul	98
80) Pyrene	19.47	202	1388188	16.867	ng/ul	99
83) Benzo(a)anthracene	21.22	228	1356760	15.643	ng/ul	100
85) Chrysene	21.27	228	1278851	15.506	ng/ul	99
88) Benzo(b)fluoranthene	22.79	252	4220561	52.865	ng/ul	99
89) Benzo(k)fluoranthene	22.83	252	1296706	16.628	ng/ul	99
91) Benzo(a)pyrene	23.34	252	1041543	13.354	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.65	276	1387493	14.621	ng/ul	98
93) Dibenzo(a,h)anthracene	25.66	278	1371253	17.304	ng/ul	98
94) Benzo(g,h,i)perylene	26.32	276	1217631	15.104	ng/ul	97

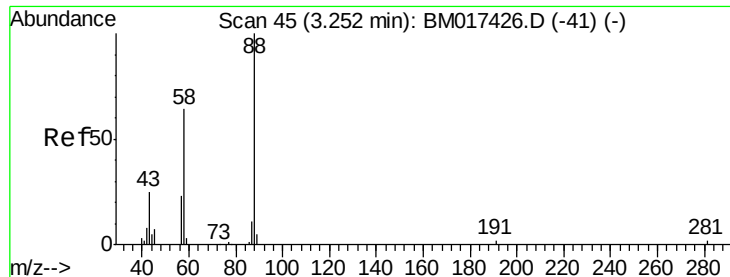
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 9.532 ng/uL

RT: 3.25 min Scan# 45

Delta R.T. -0.00 min

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Instrument :

BNA_M

ClientSampleId :

A40D1

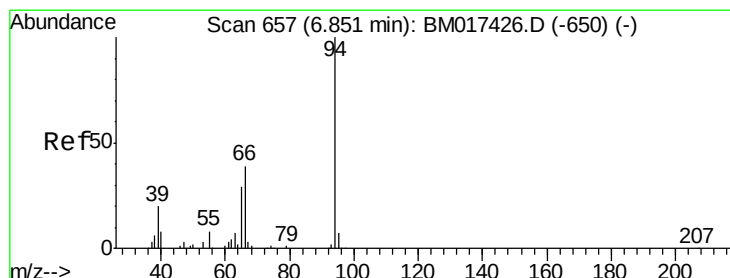
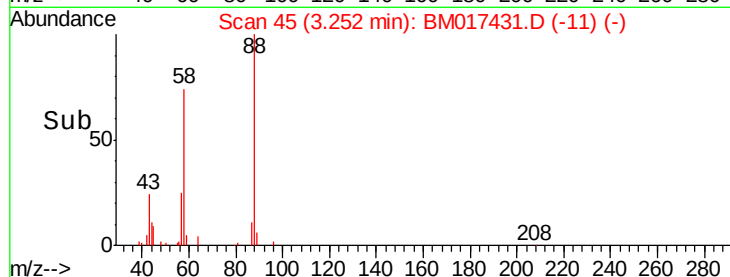
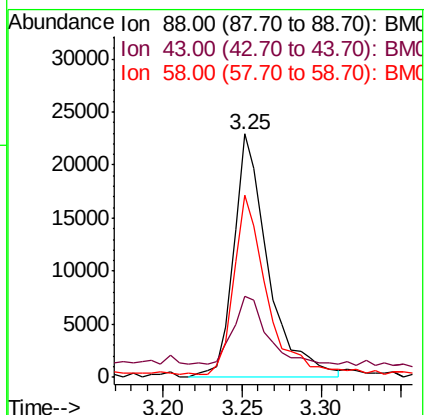
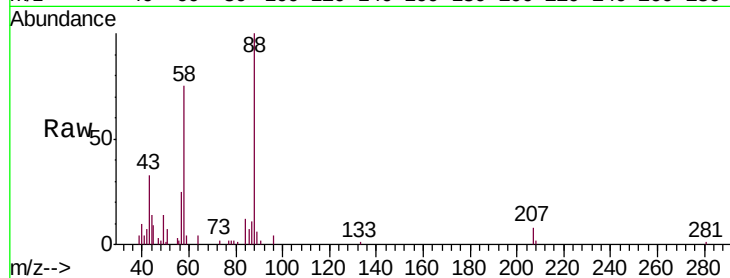
Tgt Ion: 88 Resp: 34556

Ion Ratio Lower Upper

88 100

43 33.4 25.9 38.9

58 74.7 58.6 87.8



#6

Phenol

Concen: 1.999 ng/uL

RT: 6.86 min Scan# 658

Delta R.T. 0.01 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

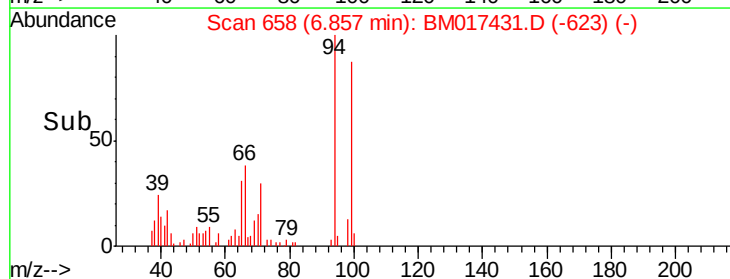
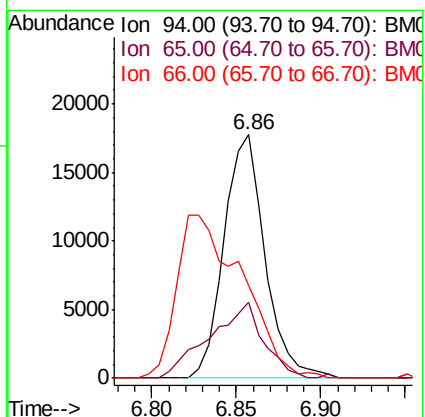
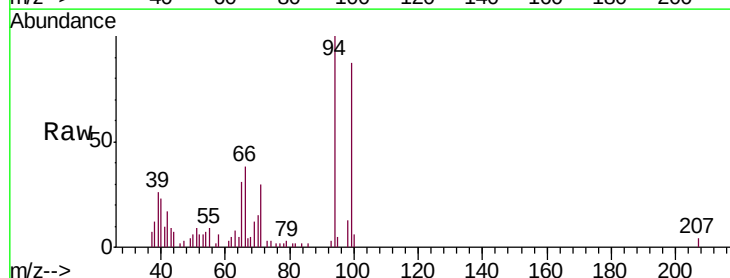
Tgt Ion: 94 Resp: 30007

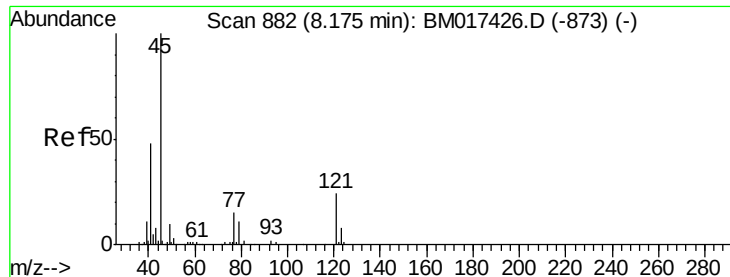
Ion Ratio Lower Upper

94 100

65 31.2 24.0 36.0

66 38.2 31.1 46.7

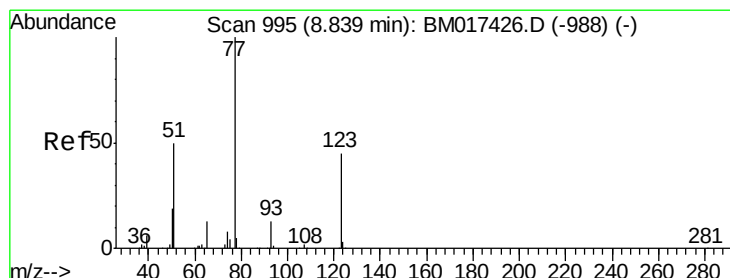
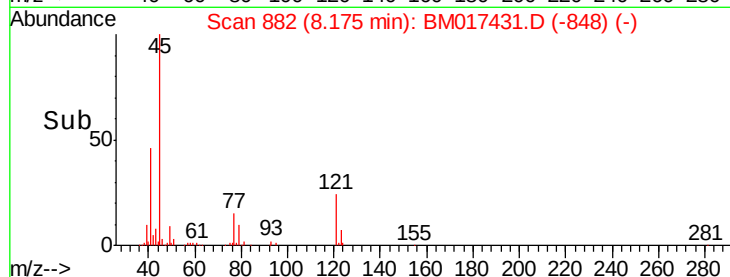
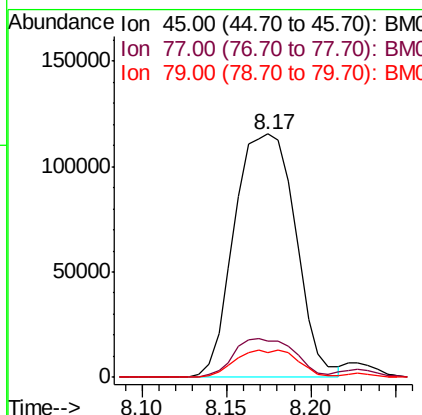
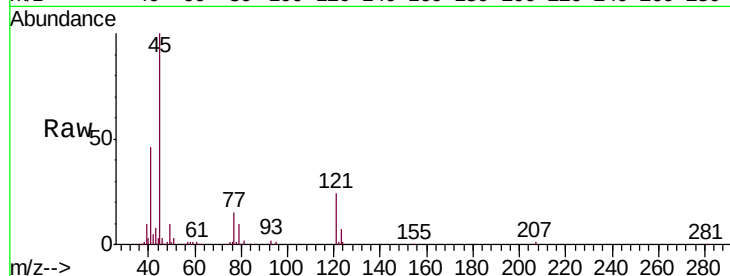




#12
 2,2'-oxybis(1-chloropropane)
 Concen: 19.105 ng/ul
 RT: 8.17 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: BM017431.D
 Acq: 31 Oct 2018 15:56

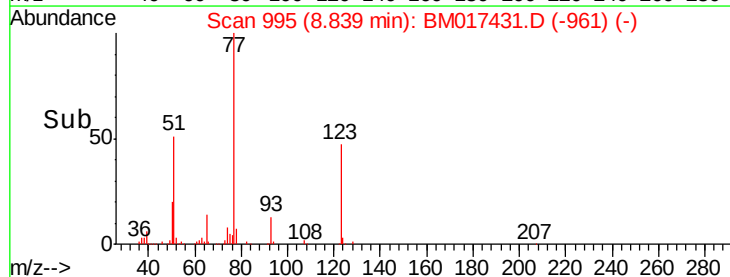
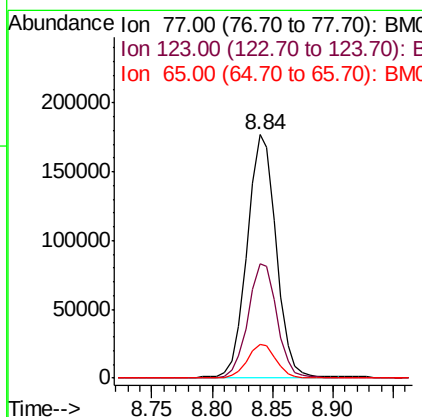
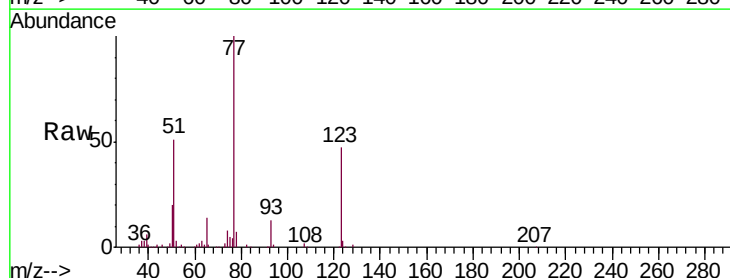
Instrument :
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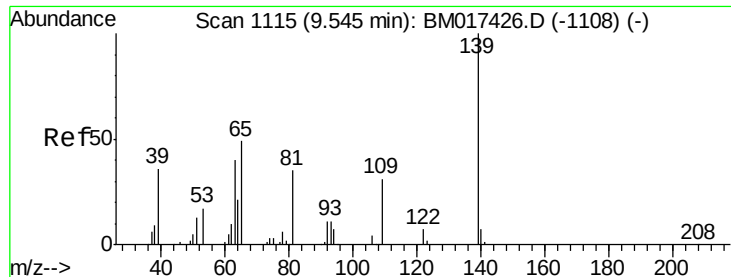
Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.1	11.7	17.5
79	10.4	8.6	12.8



#20
 Nitrobenzene
 Concen: 19.895 ng/ul
 RT: 8.84 min Scan# 995
 Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.0	55.6
65	13.8	10.7	16.1

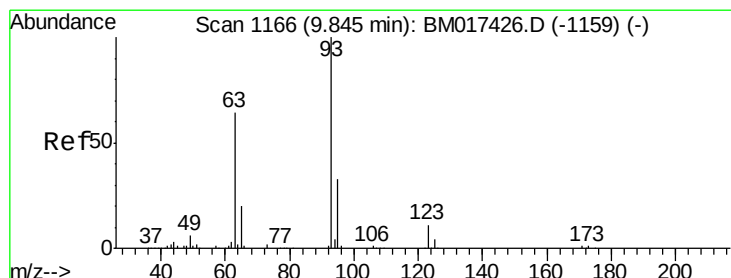
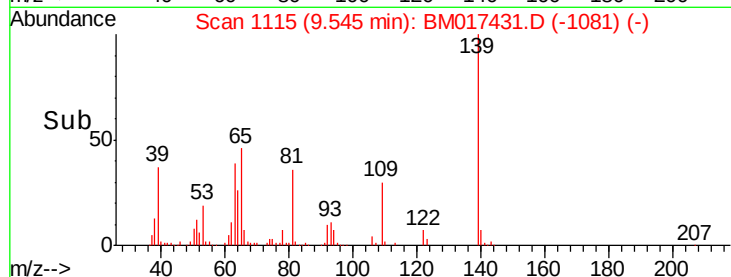
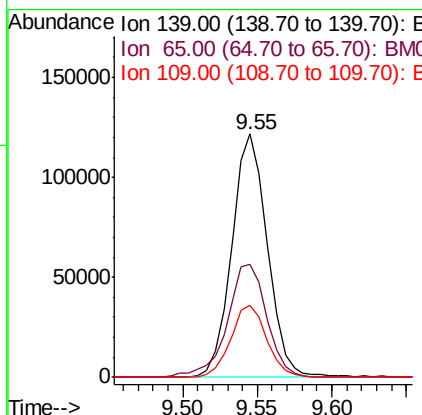
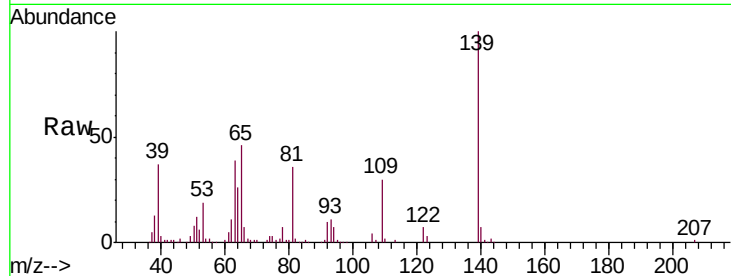




#23
 2-Nitrophenol
 Concen: 26.880 ng/ul
 RT: 9.55 min Scan# 1115
 Delta R.T. -0.00 min
 Lab File: BM017431.D
 Acq: 31 Oct 2018 15:56

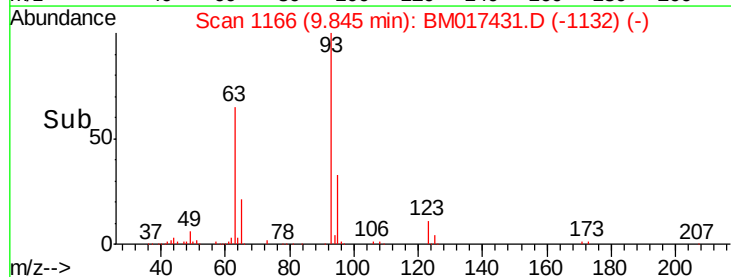
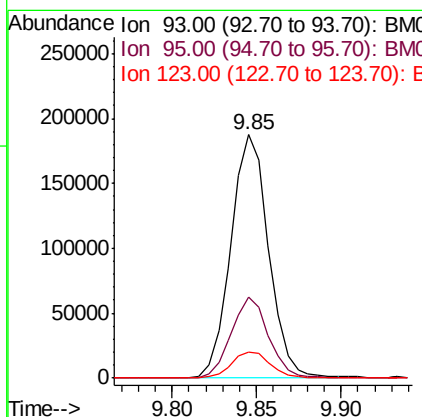
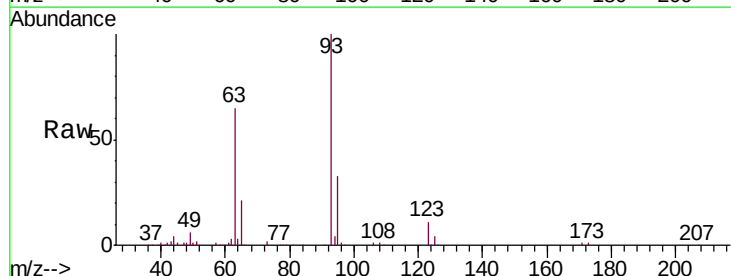
Instrument :
 BNA_M
 ClientSampleId :
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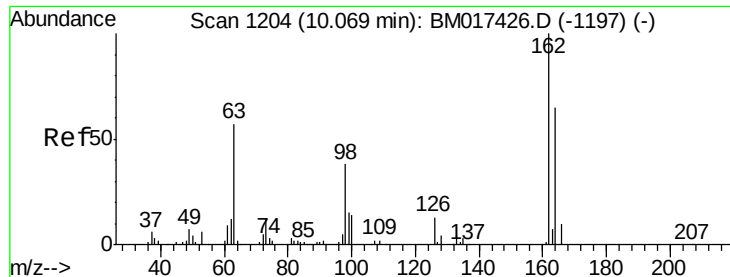
Tgt Ion	Ratio	Lower	Upper
139	100		
65	46.5	38.6	57.8
109	29.8	25.0	37.6



#25
 Bis(2-Chloroethoxy)methane
 Concen: 16.870 ng/ul
 RT: 9.85 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: BM017431.D
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Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.1	39.1
123	10.9	9.1	13.7

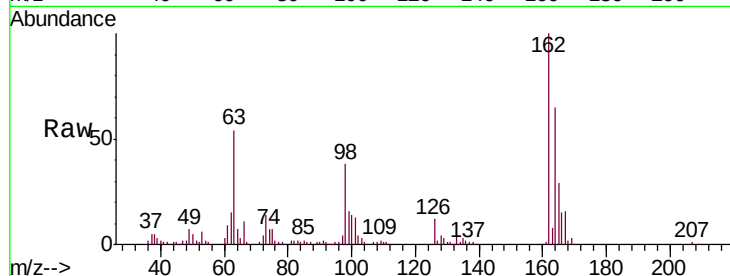




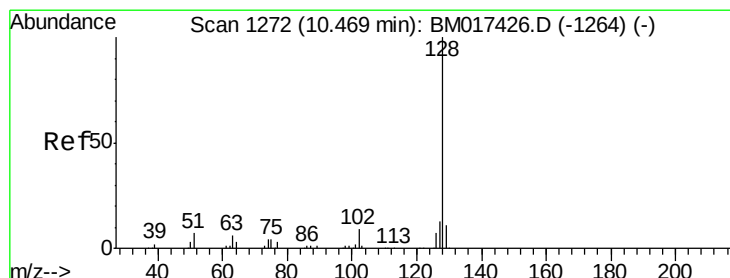
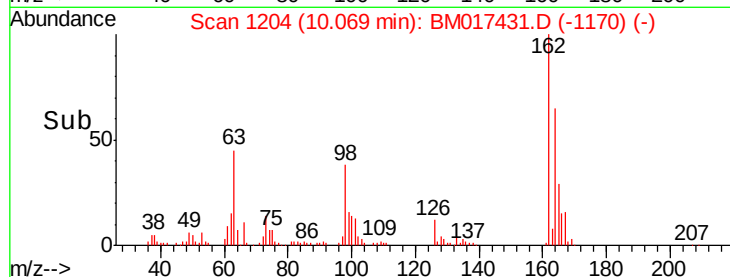
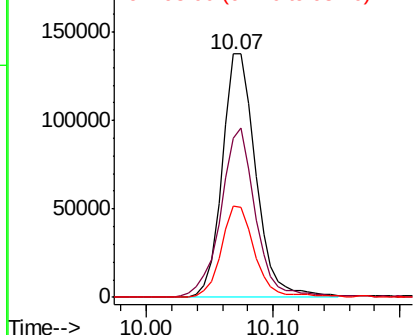
#27
 2,4-Dichlorophenol
 Concen: 19.966 ng/ul
 RT: 10.07 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BM017431.D
 Acq: 31 Oct 2018 15:56

Instrument :
 BNA_M
 ClientSampleId :
 A40D1

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.3	51.4	77.0
98	37.5	29.4	44.0

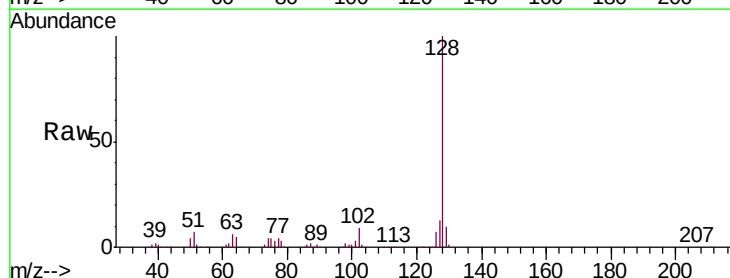


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BM

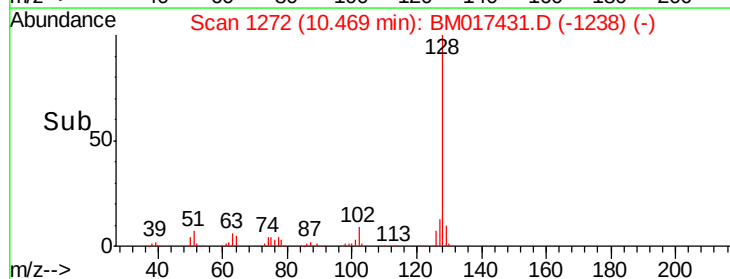
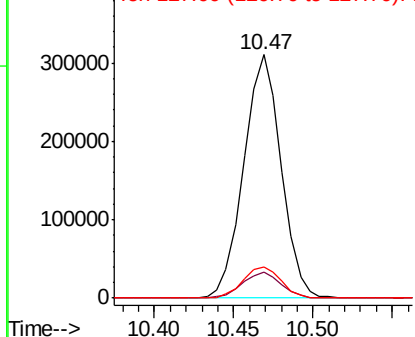


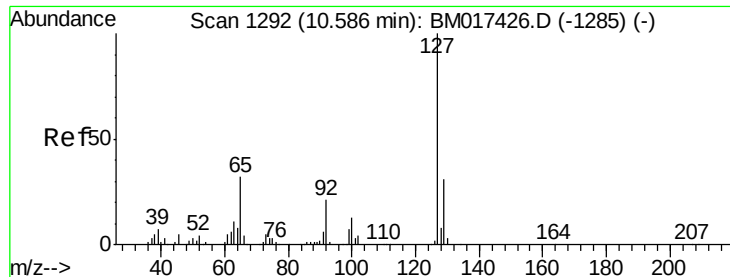
#28
 Naphthalene
 Concen: 11.938 ng/ul
 RT: 10.47 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: BM017431.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	12.8	10.3	15.5



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

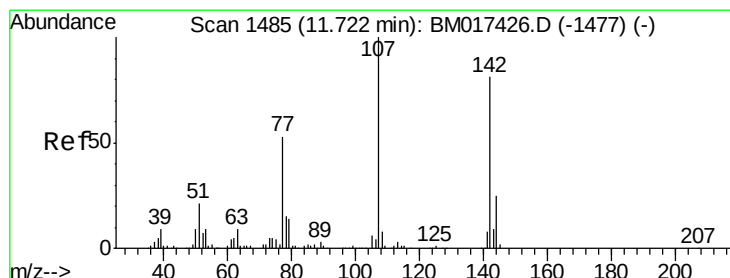
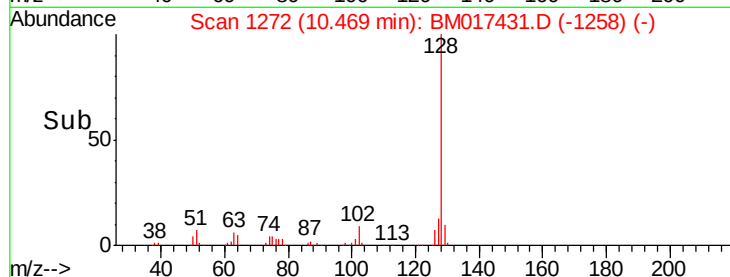
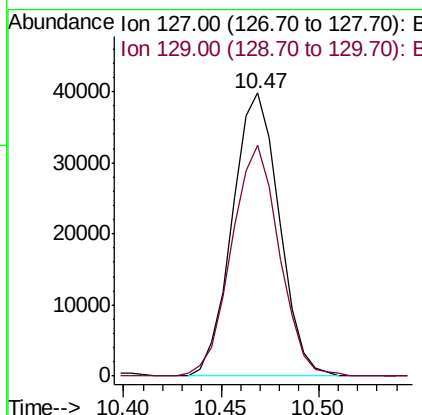
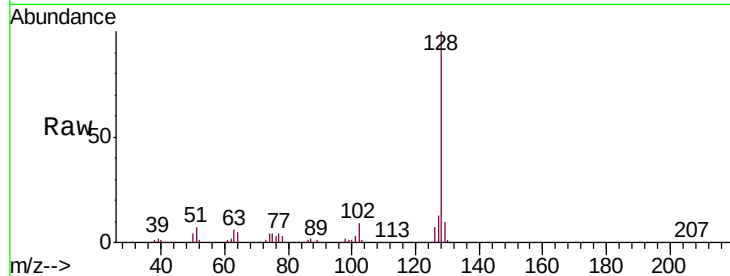




#30
4-Chloroaniline
Concen: 5.996 ng/ul
RT: 10.47 min Scan# 1272
Delta R.T. -0.12 min
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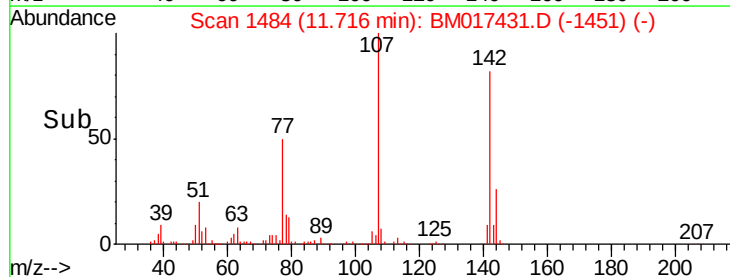
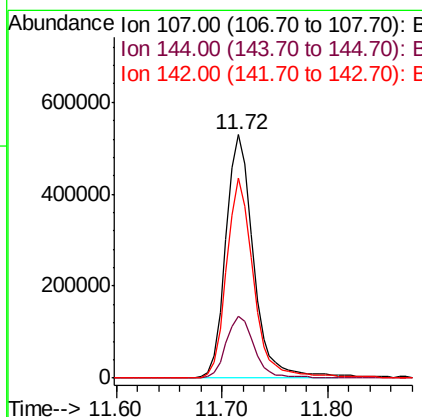
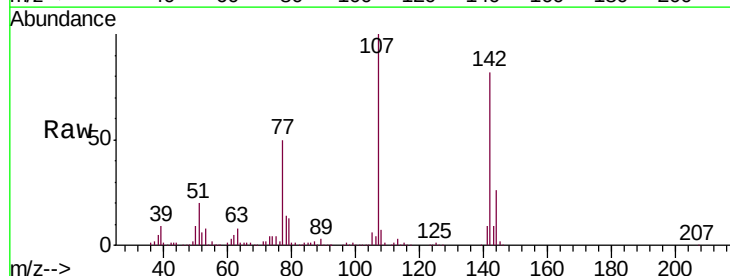
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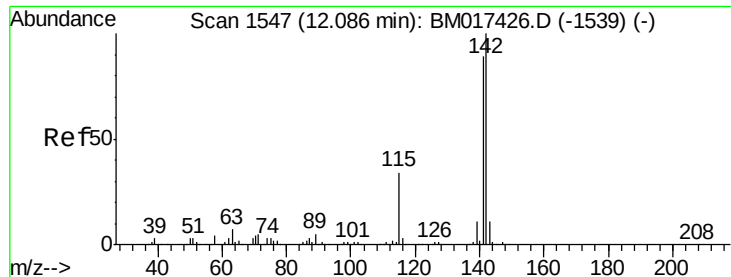
Tgt Ion:127 Resp: 66338
Ion Ratio Lower Upper
127 100
129 81.8 26.2 39.4#



#33
4-Chloro-3-methylphenol
Concen: 68.822 ng/ul
RT: 11.72 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BM017431.D
Acq: 31 Oct 2018 15:56

Tgt Ion:107 Resp: 961303
Ion Ratio Lower Upper
107 100
144 25.6 21.8 32.6
142 82.3 65.0 97.4

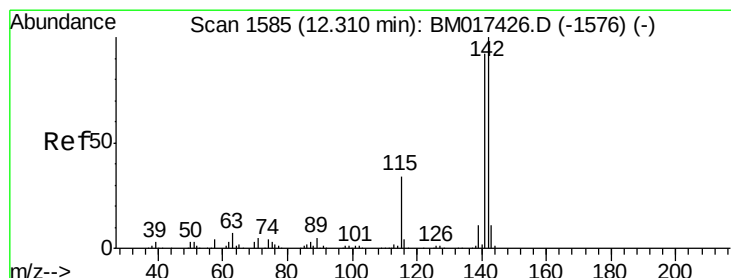
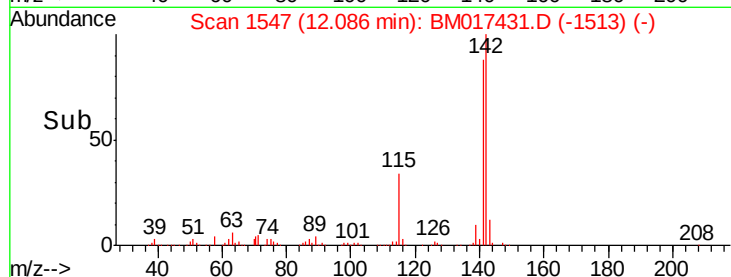
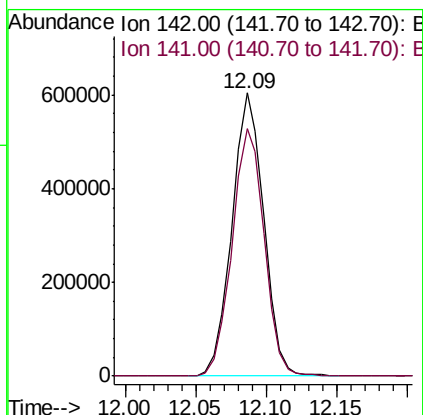
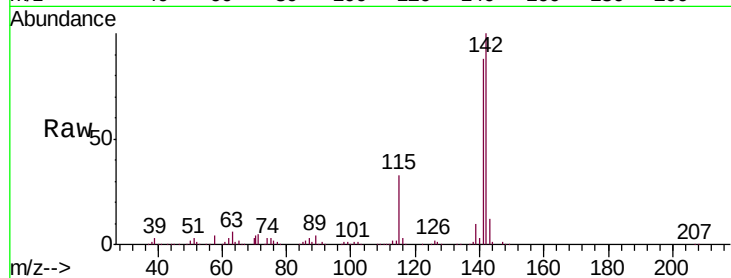




#34
 2-Methylnaphthalene
 Concen: 30.218 ng/ul
 RT: 12.09 min Scan# 1547
 Delta R.T. -0.00 min
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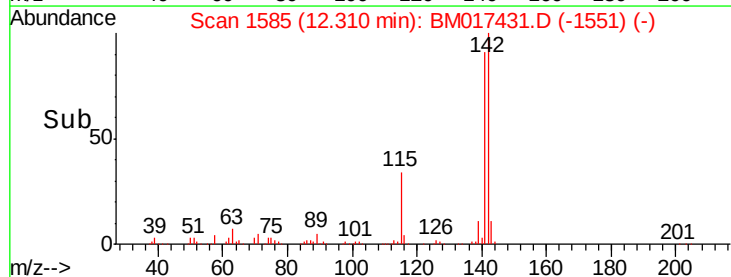
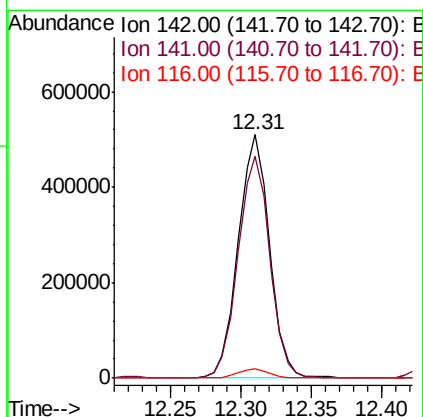
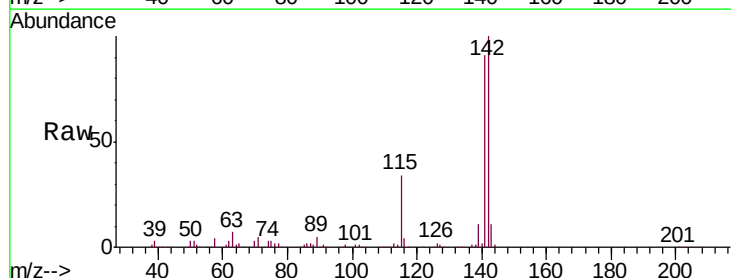
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 A40D1

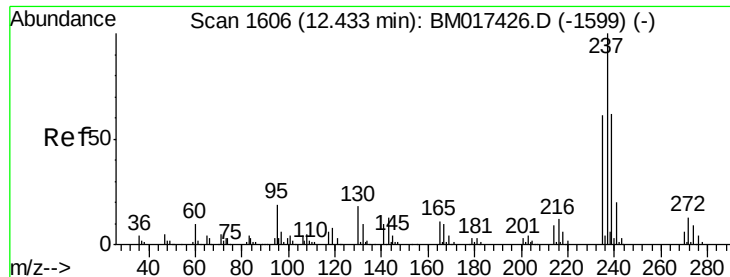
Tgt Ion:142 Resp: 946016
 Ion Ratio Lower Upper
 142 100
 141 87.5 70.4 105.6



#35
 1-Methylnaphthalene
 Concen: 26.236 ng/ul
 RT: 12.31 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BM017431.D
 Acq: 31 Oct 2018 15:56

Tgt Ion:142 Resp: 787508
 Ion Ratio Lower Upper
 142 100
 141 91.0 73.9 110.9
 116 3.7 3.0 4.6

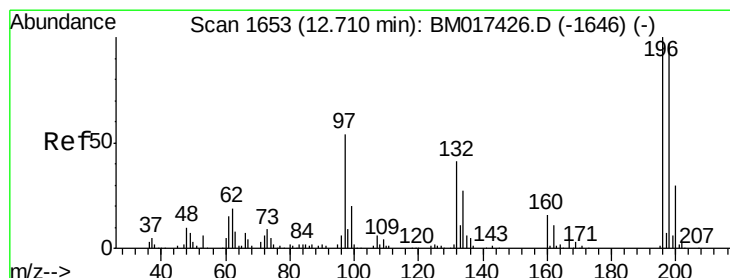
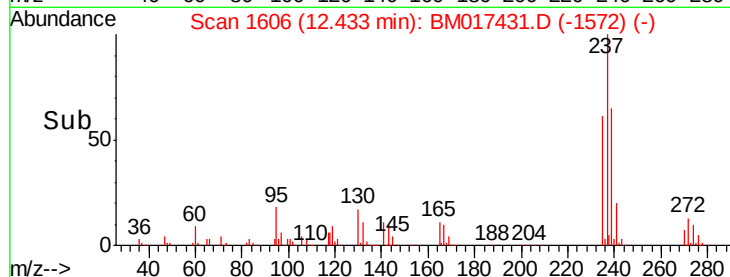
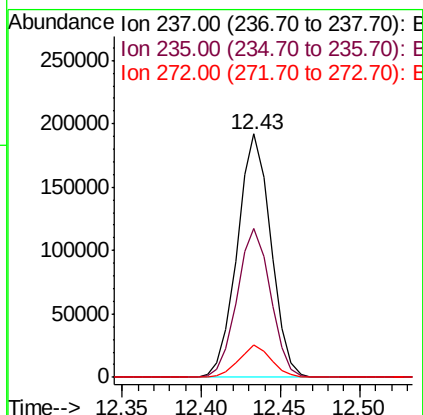
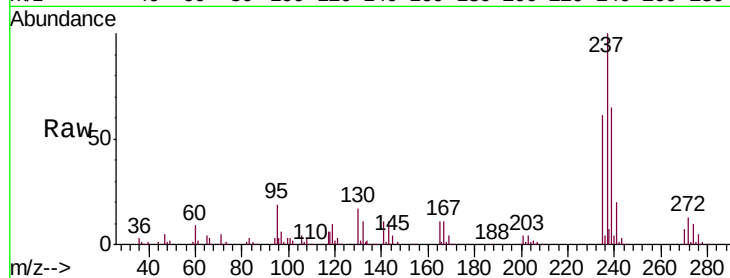




#38
Hexachlorocyclopentadiene
Concen: 25.905 ng/ul
RT: 12.43 min Scan# 1606
Delta R.T. -0.00 min
Lab File: BM017431.D
Acq: 31 Oct 2018 15:56

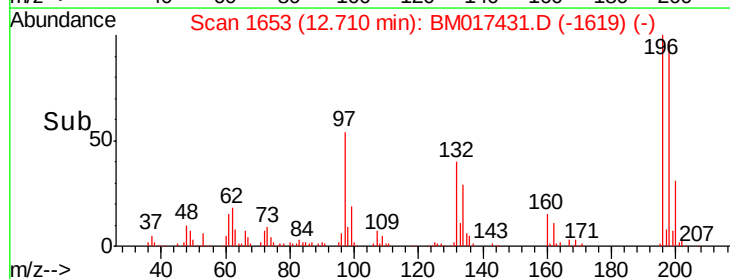
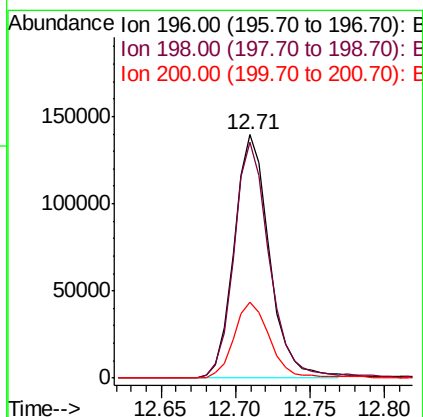
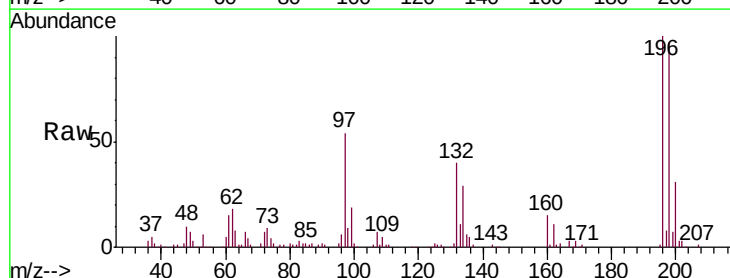
Instrument :
BNA_M
ClientSampleId :
A40D1

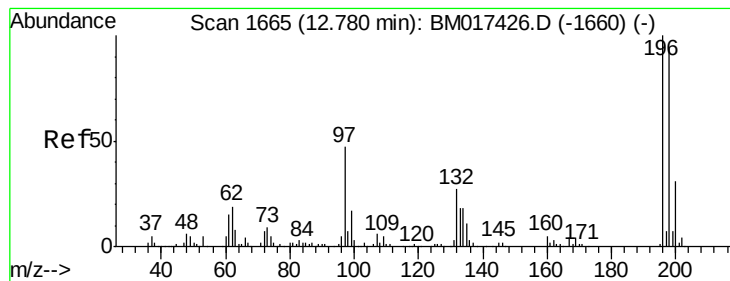
Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.2	50.2	75.4
272	13.2	10.5	15.7



#39
2,4,6-Trichlorophenol
Concen: 21.207 ng/ul
RT: 12.71 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BM017431.D
Acq: 31 Oct 2018 15:56

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.0	115.4
200	31.4	25.2	37.8





#40

2,4,5-Trichlorophenol

Concen: 18.242 ng/ul

RT: 12.71 min Scan# 1653

Delta R.T. -0.07 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

Instrument :

BNA_M

ClientSampleId :

A40D1

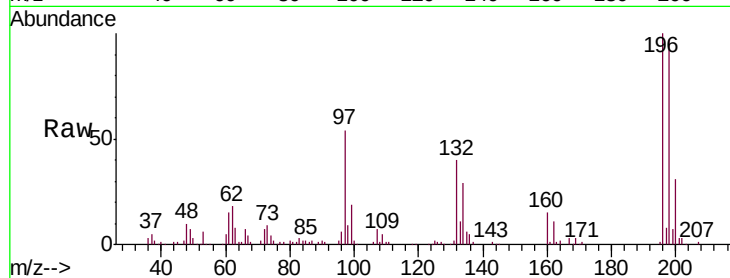
Tgt Ion:196 Resp: 213033

Ion Ratio Lower Upper

196 100

198 96.7 76.2 114.4

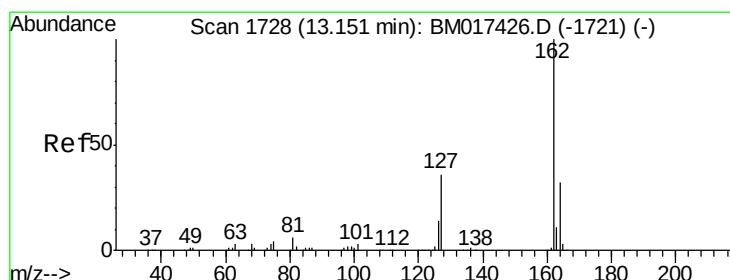
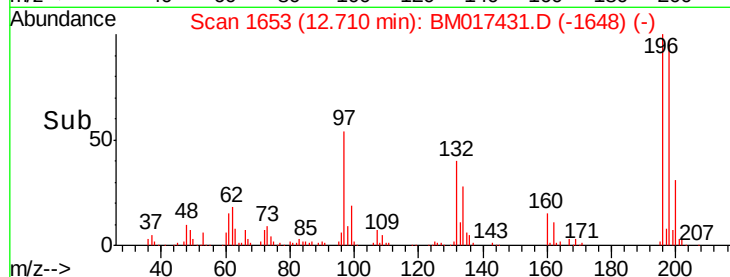
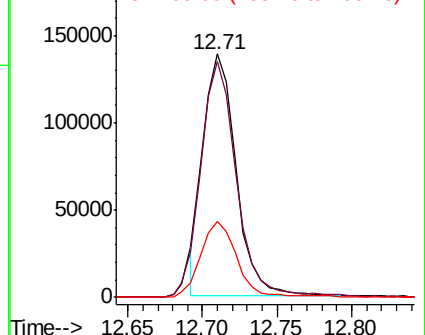
200 31.4 25.4 38.2



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



#42

2-Chloronaphthalene

Concen: 22.294 ng/ul

RT: 13.15 min Scan# 1728

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

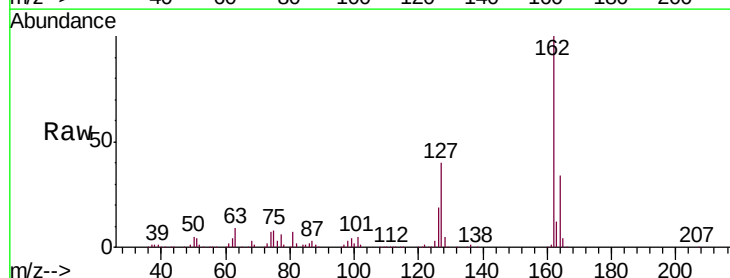
Tgt Ion:162 Resp: 733321

Ion Ratio Lower Upper

162 100

164 33.8 26.2 39.4

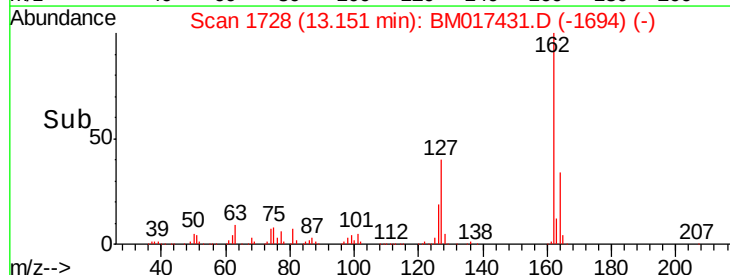
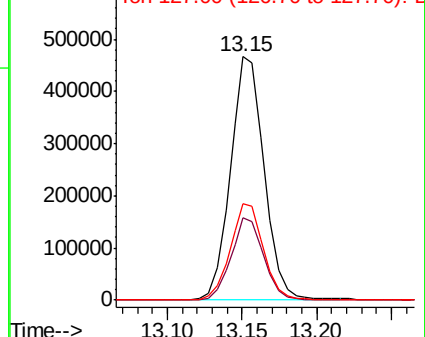
127 39.8 32.2 48.2

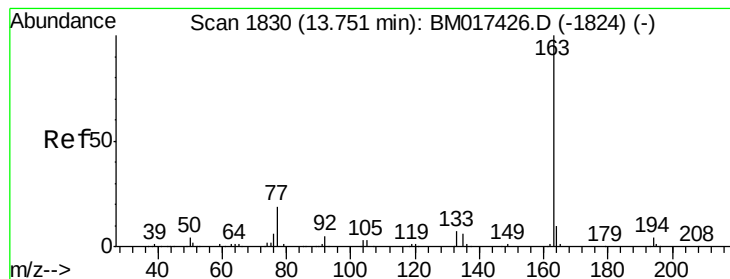


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E





#45

Dimethylphthalate

Concen: 3.666 ng/ul

RT: 13.75 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

Instrument :

BNA_M

ClientSampleId :

A40D1

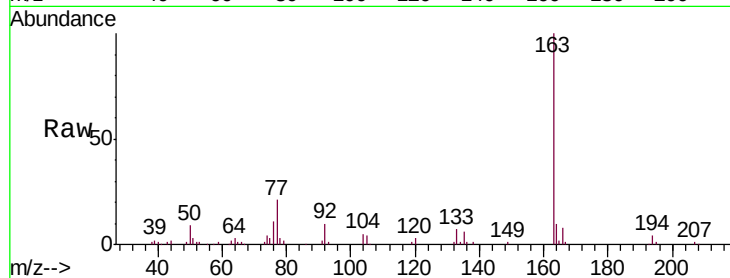
Tgt Ion:163 Resp: 155002

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

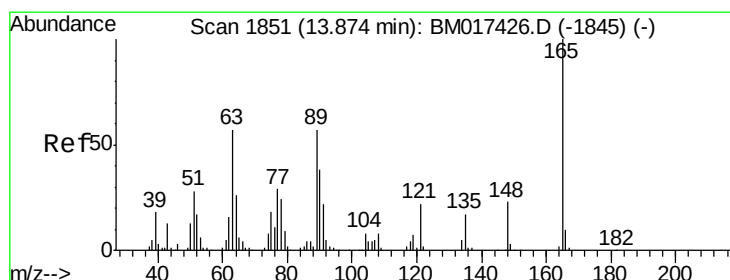
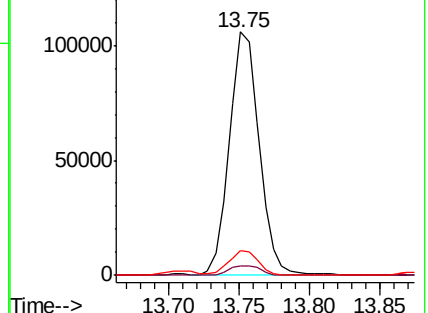
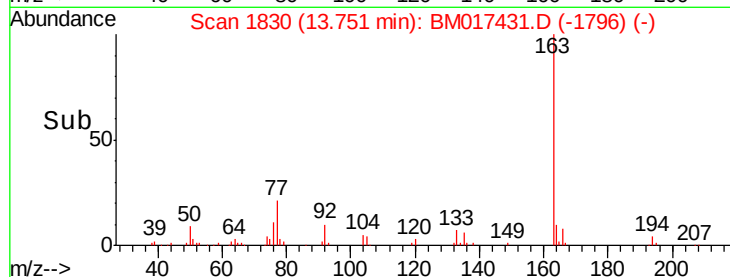
164 10.2 8.1 12.1



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: 13.765 ng/ul

RT: 13.87 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

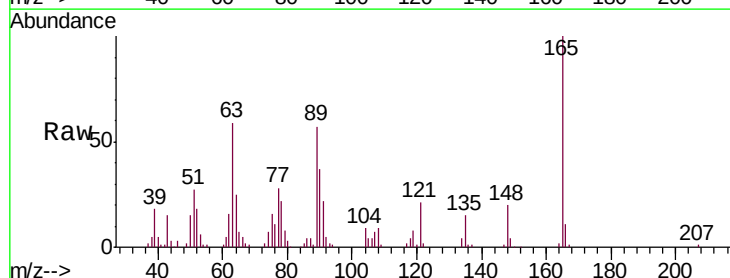
Tgt Ion:165 Resp: 116806

Ion Ratio Lower Upper

165 100

89 57.2 44.0 66.0

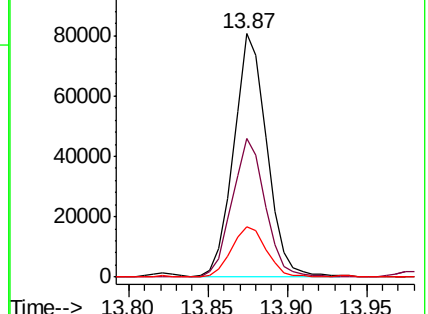
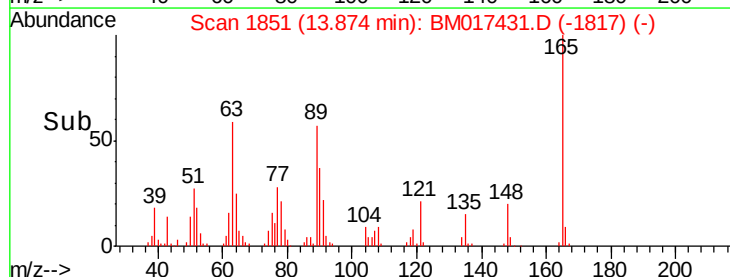
121 20.7 17.8 26.8

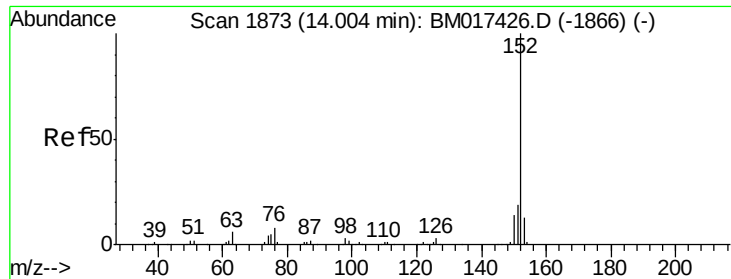


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E





#48

Acenaphthylene

Concen: 19.316 ng/ul

RT: 14.01 min Scan# 1874

Delta R.T. 0.01 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

Instrument :

BNA_M

ClientSampleId :

A40D1

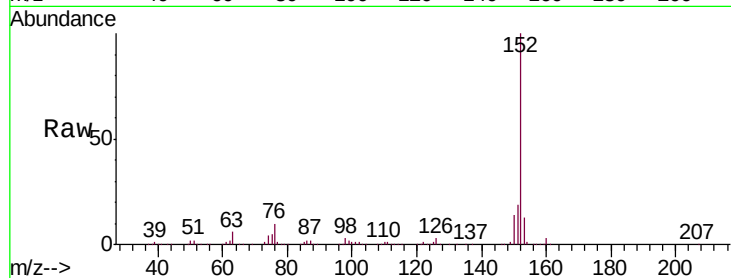
Tgt Ion:152 Resp: 960603

Ion Ratio Lower Upper

152 100

151 19.5 15.3 22.9

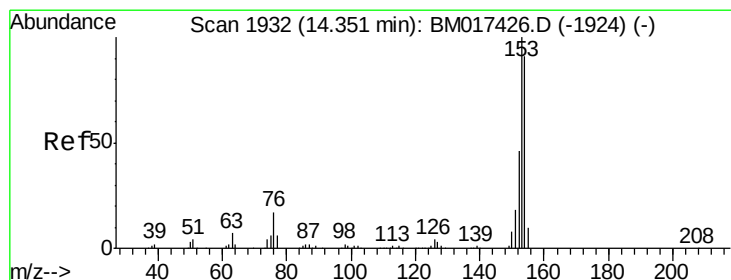
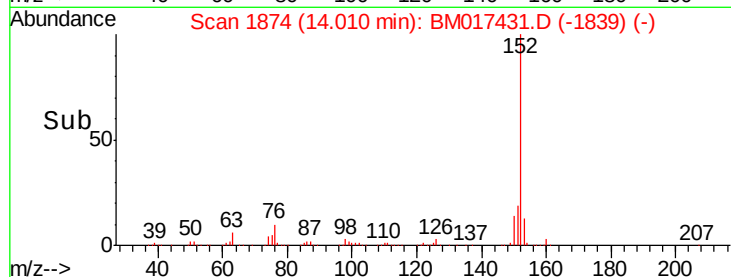
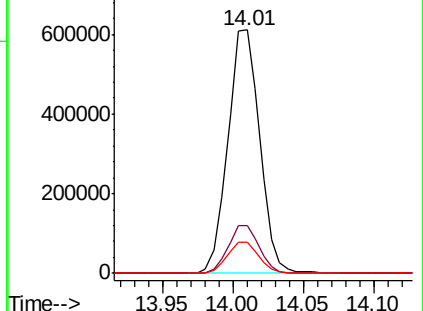
153 12.8 10.2 15.4



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: 15.188 ng/ul

RT: 14.35 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

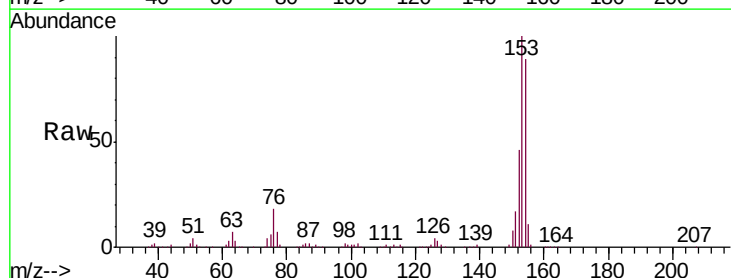
Tgt Ion:153 Resp: 540809

Ion Ratio Lower Upper

153 100

152 46.0 36.9 55.3

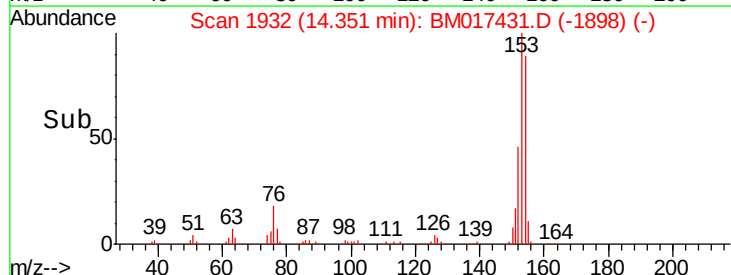
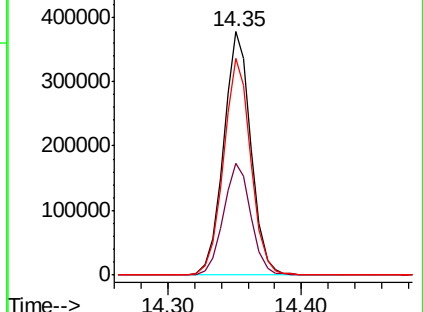
154 88.8 72.2 108.4

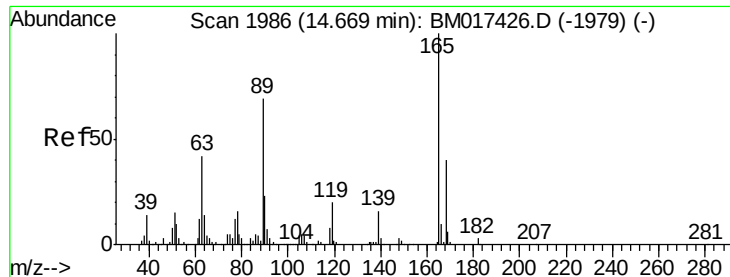


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

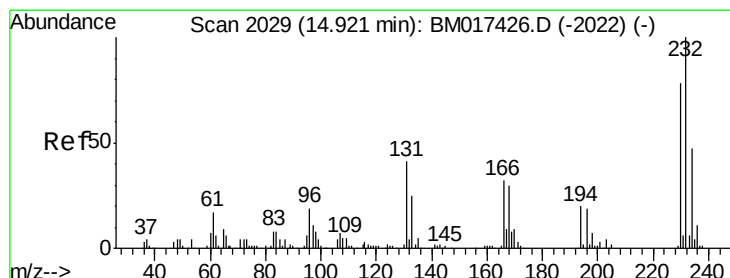
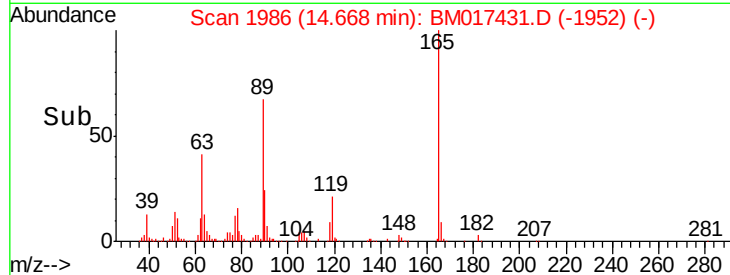
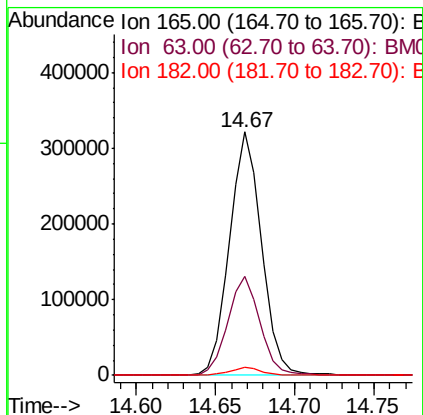
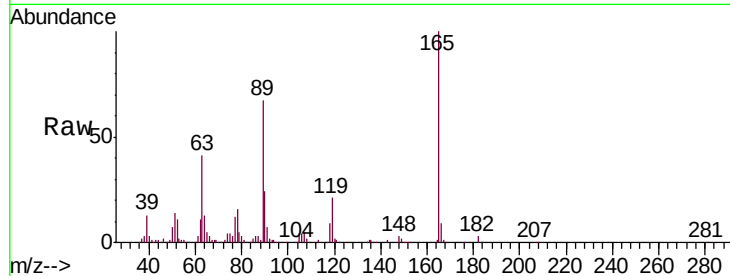




#55
 2,4-Dinitrotoluene
 Concen: 35.647 ng/ul
 RT: 14.67 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: BM017431.D
 Acq: 31 Oct 2018 15:56

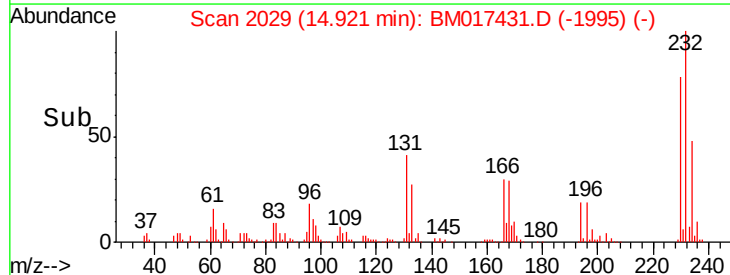
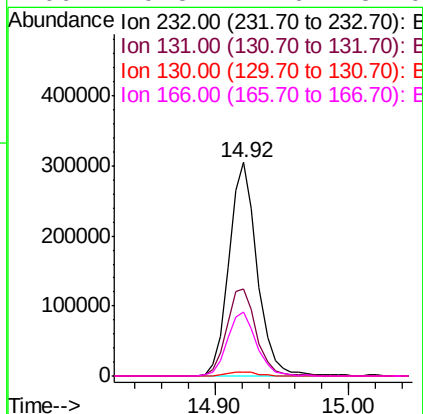
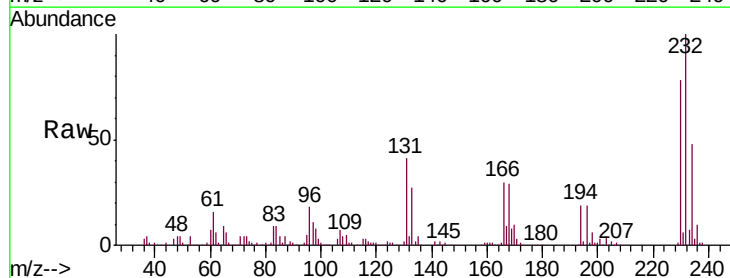
Instrument :
 BNA_M
 ClientSampleId :
 A40D1

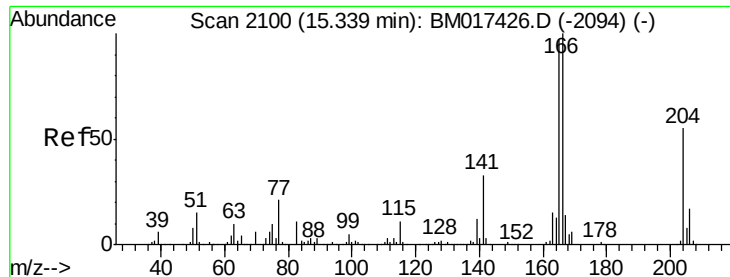
Tgt Ion:165 Resp: 451284
 Ion Ratio Lower Upper
 165 100
 63 40.8 33.9 50.9
 182 3.1 2.2 3.4



#56
 2,3,4,6-Tetrachlorophenol
 Concen: 41.734 ng/ul
 RT: 14.92 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BM017431.D
 Acq: 31 Oct 2018 15:56

Tgt Ion:232 Resp: 451100
 Ion Ratio Lower Upper
 232 100
 131 40.8 33.0 49.4
 130 2.0 1.9 2.9
 166 29.8 24.6 37.0





#59

Fluorene

Concen: 14.367 ng/ul

RT: 15.34 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

Instrument :

BNA_M

ClientSampled :

A40D1

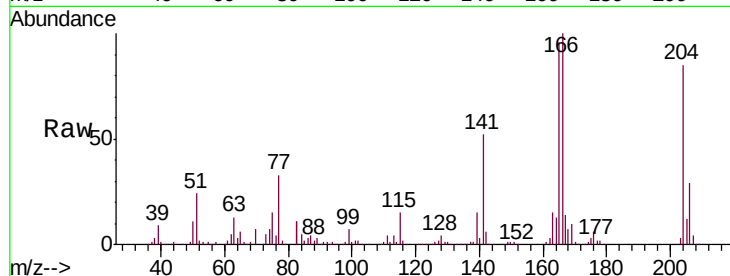
Tgt Ion:166 Resp: 597393

Ion Ratio Lower Upper

166 100

165 96.5 77.5 116.3

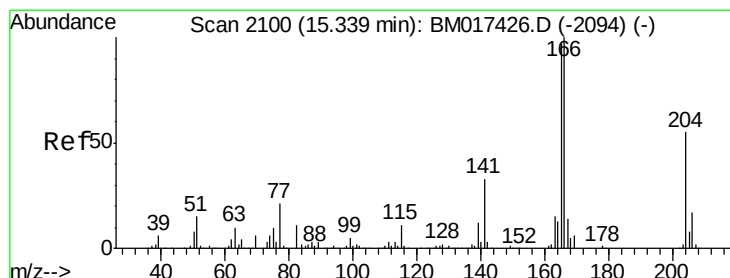
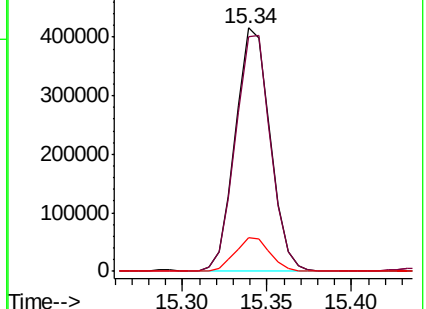
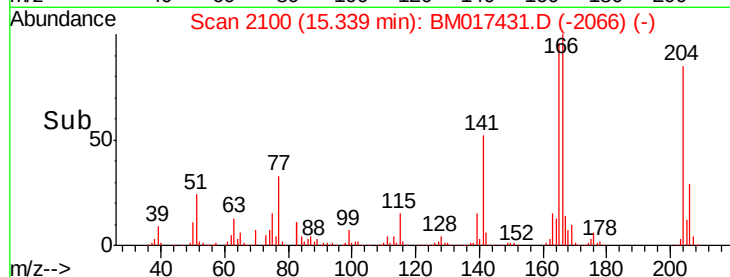
167 13.9 10.8 16.2



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: 23.842 ng/ul

RT: 15.34 min Scan# 2101

Delta R.T. 0.01 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

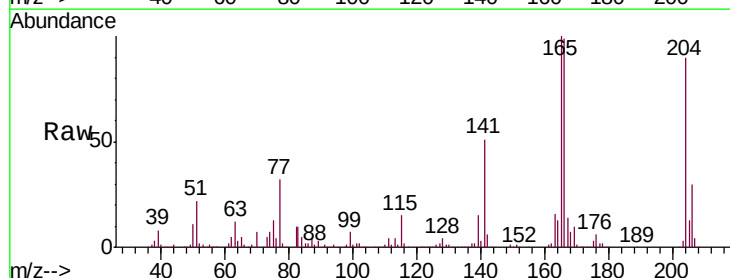
Tgt Ion:204 Resp: 507255

Ion Ratio Lower Upper

204 100

206 33.2 25.9 38.9

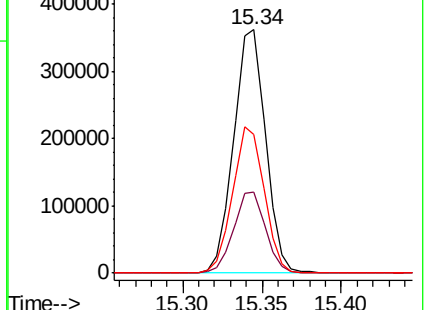
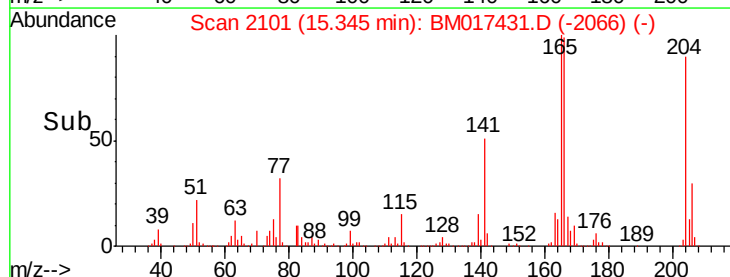
141 57.2 47.4 71.0

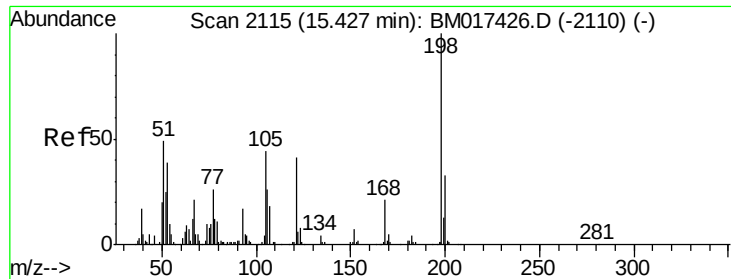


Abundance Ion 204.00 (203.70 to 204.70): E

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: 90.212 ng/ul

RT: 15.43 min Scan# 2116

Delta R.T. 0.01 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

Instrument :

BNA_M

ClientSampleId :

A40D1

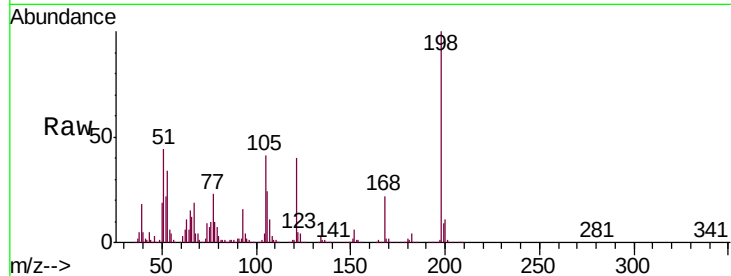
Tgt Ion:198 Resp: 773780

Ion Ratio Lower Upper

198 100

182 3.6 3.5 5.3

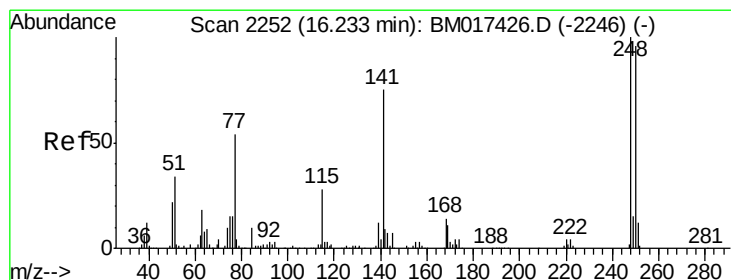
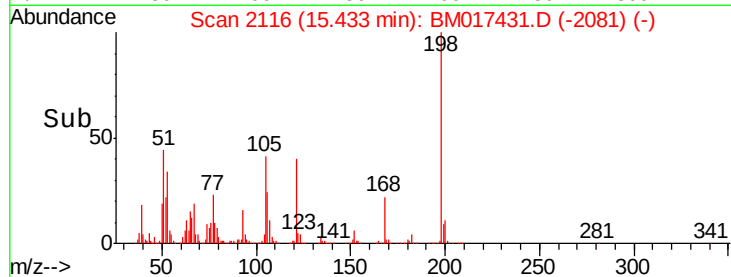
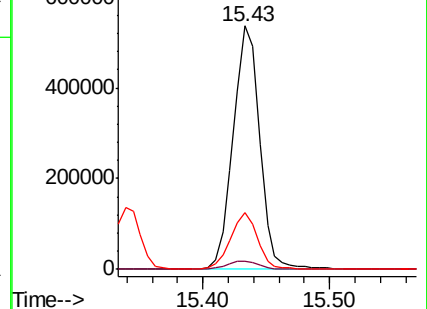
77 23.4 20.3 30.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): B



#66

4-Bromophenyl-phenylether

Concen: 29.996 ng/ul

RT: 16.24 min Scan# 2253

Delta R.T. 0.01 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

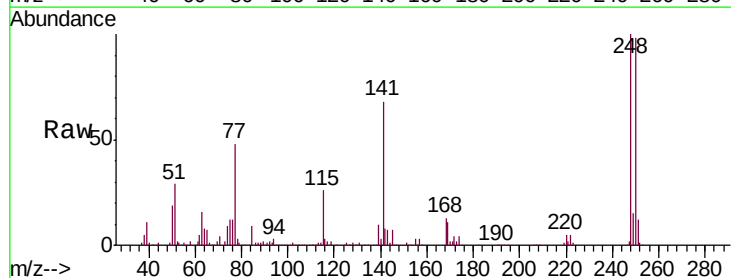
Tgt Ion:248 Resp: 406061

Ion Ratio Lower Upper

248 100

250 98.3 80.0 120.0

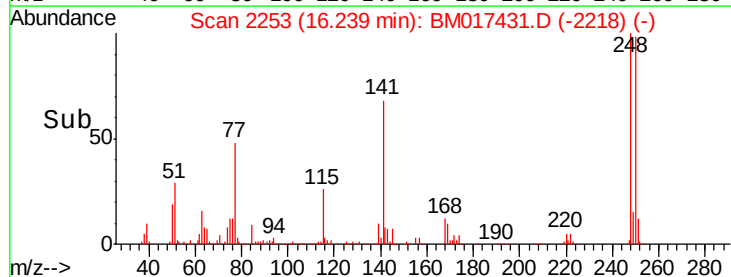
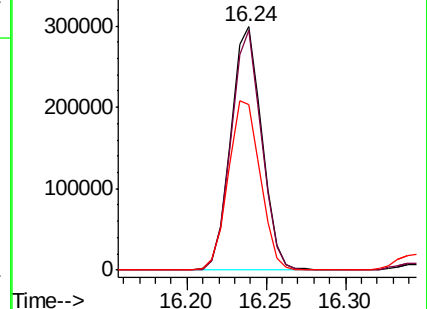
141 68.0 60.6 91.0

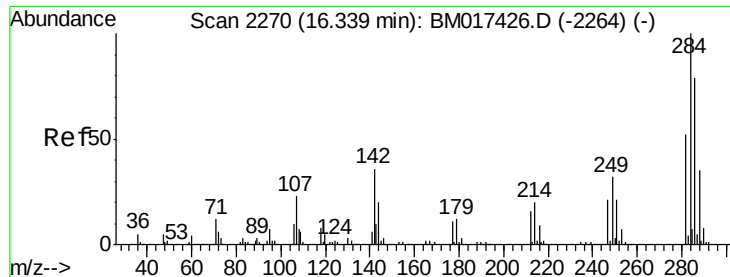


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

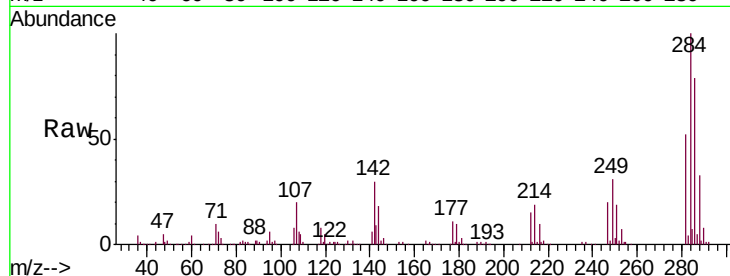




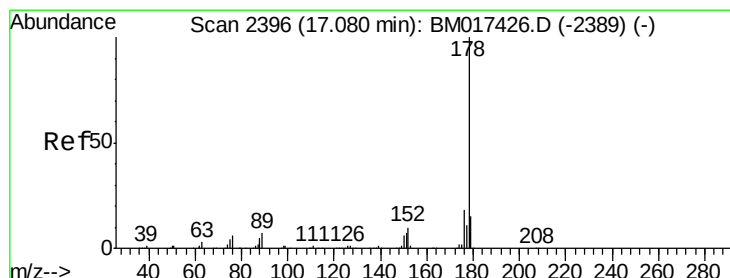
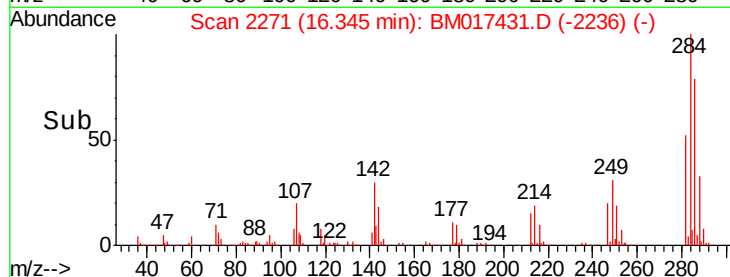
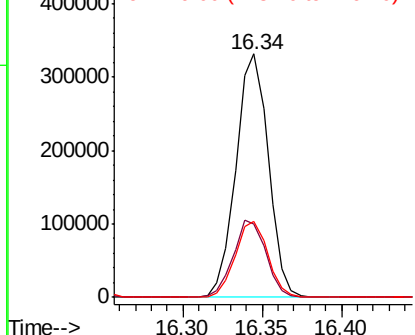
#67
Hexachlorobenzene
Concen: 30.775 ng/ul
RT: 16.34 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BM017431.D
Acq: 31 Oct 2018 15:56

Instrument :
BNA_M
ClientSampleId :
A40D1

Tgt Ion: 284 Resp: 470012
Ion Ratio Lower Upper
284 100
142 30.4 28.0 42.0
249 31.4 25.8 38.6

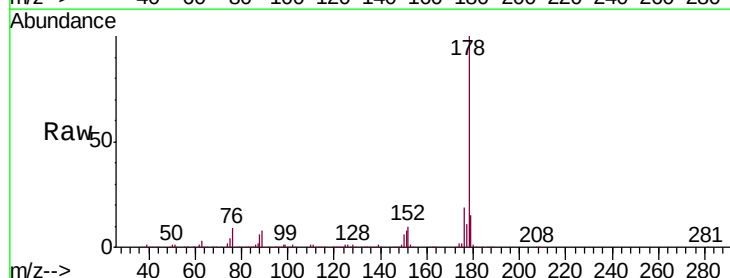


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

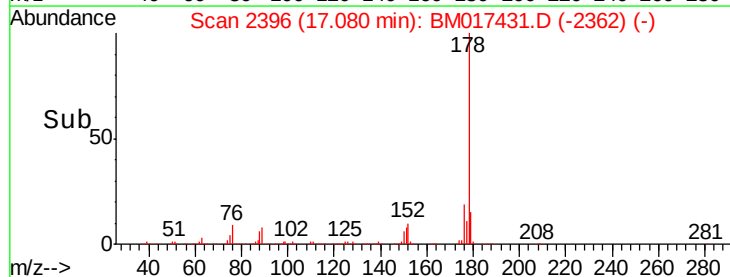
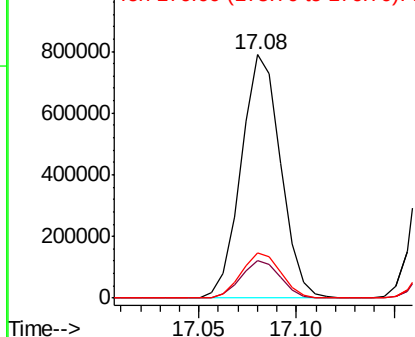


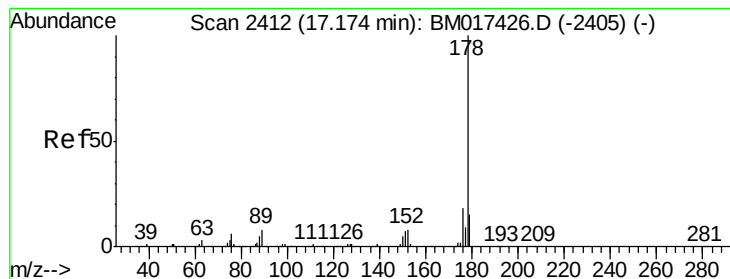
#70
Phenanthrene
Concen: 15.956 ng/ul
RT: 17.08 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BM017431.D
Acq: 31 Oct 2018 15:56

Tgt Ion: 178 Resp: 1104544
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.2
176 18.8 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: 19.369 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

Instrument :

BNA_M

ClientSampleId :

A40D1

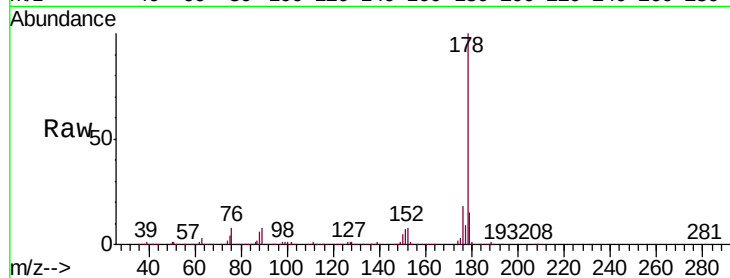
Tgt Ion:178 Resp: 1361840

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

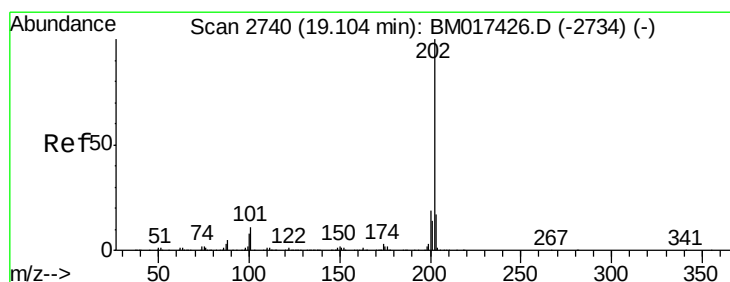
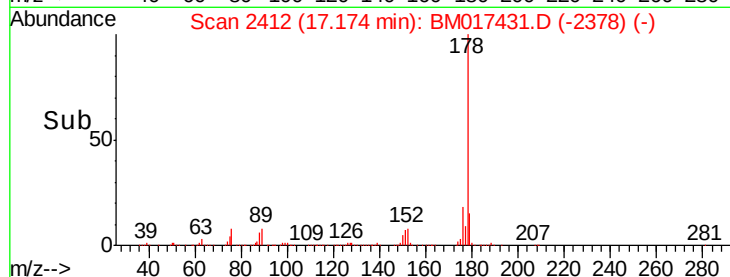
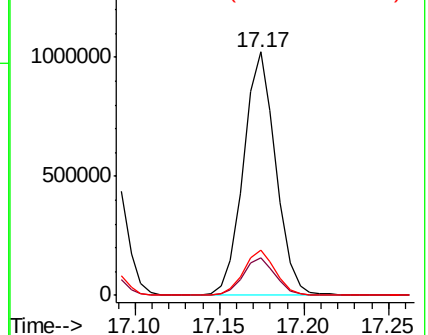
176 18.4 14.2 21.2



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



#77

Fluoranthene

Concen: 41.879 ng/ul

RT: 19.10 min Scan# 2740

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

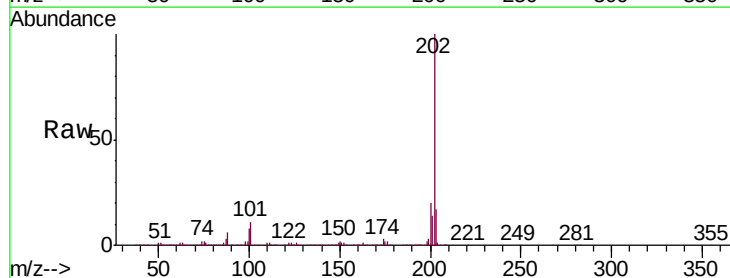
Tgt Ion:202 Resp: 3323095

Ion Ratio Lower Upper

202 100

101 11.1 8.2 12.4

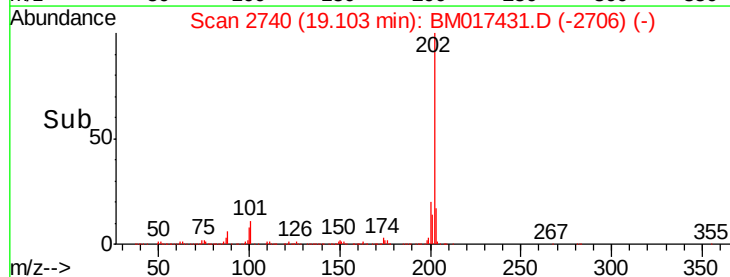
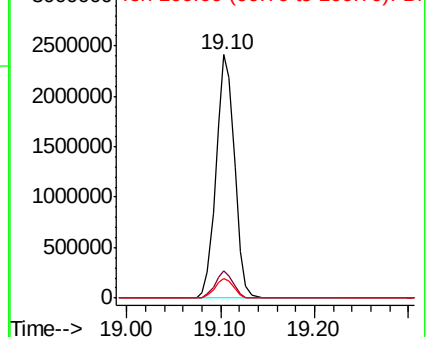
100 8.3 6.3 9.5

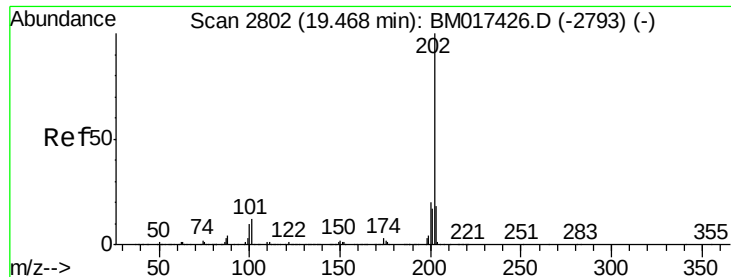


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

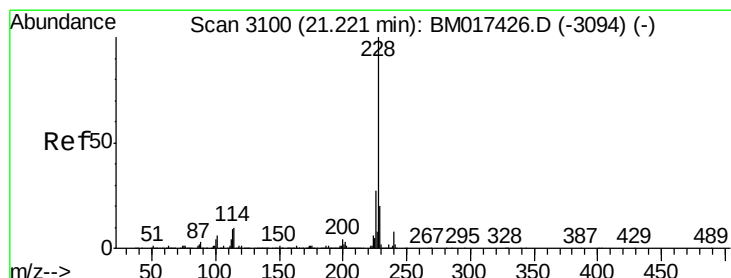
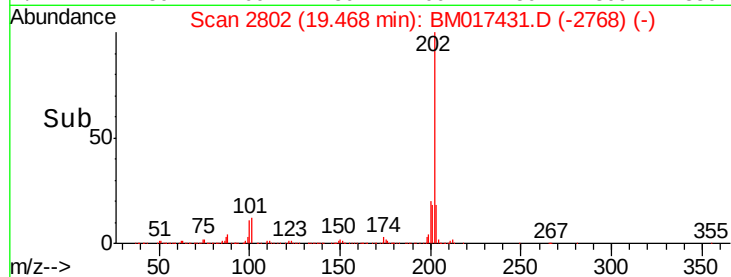
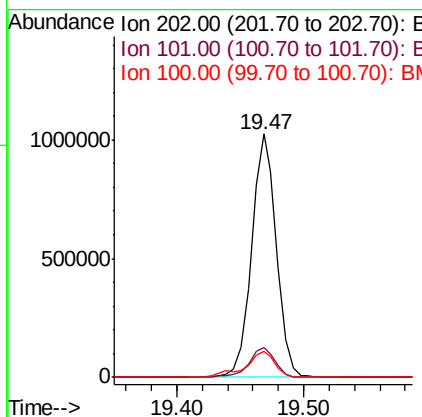
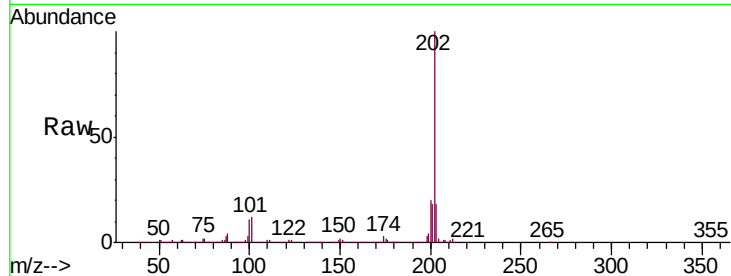




#80
 Pyrene
 Concen: 16.867 ng/ul
 RT: 19.47 min Scan# 2802
 Delta R.T. -0.00 min
 Lab File: BM017431.D
 Acq: 31 Oct 2018 15:56

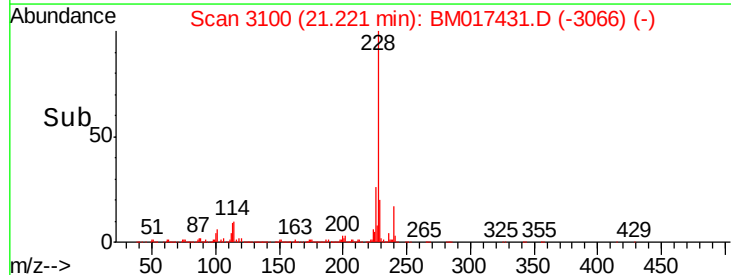
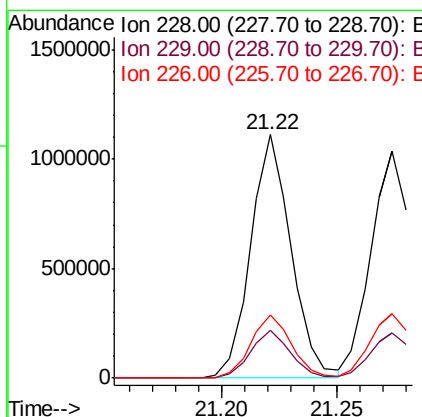
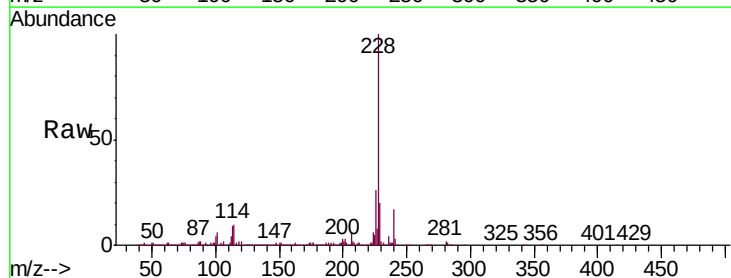
Instrument :
 BNA_M
 ClientSampleId :
 A40D1

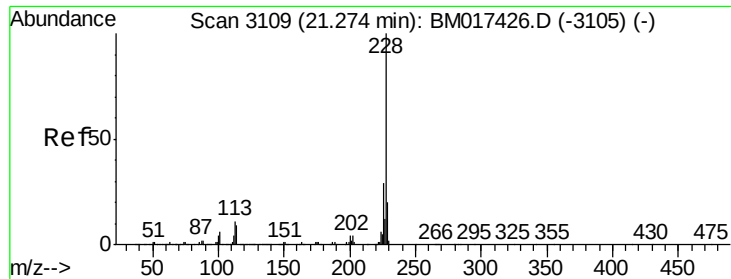
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.5	14.3
100	10.6	8.1	12.1



#83
 Benzo(a)anthracene
 Concen: 15.643 ng/ul
 RT: 21.22 min Scan# 3100
 Delta R.T. -0.00 min
 Lab File: BM017431.D
 Acq: 31 Oct 2018 15:56

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.6	23.4
226	26.2	20.8	31.2





#85

Chrysene

Concen: 15.506 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

Instrument :

BNA_M

ClientSampleId :

A40D1

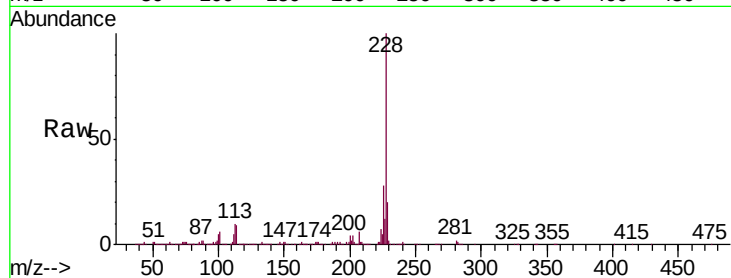
Tgt Ion:228 Resp: 1278851

Ion Ratio Lower Upper

228 100

226 28.3 23.3 34.9

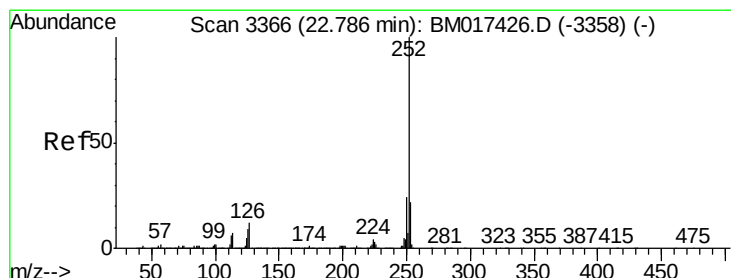
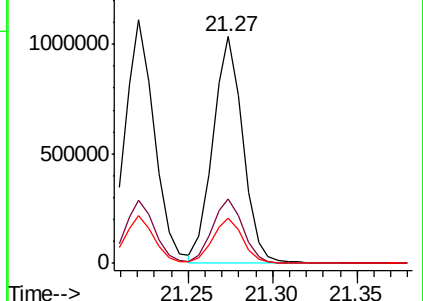
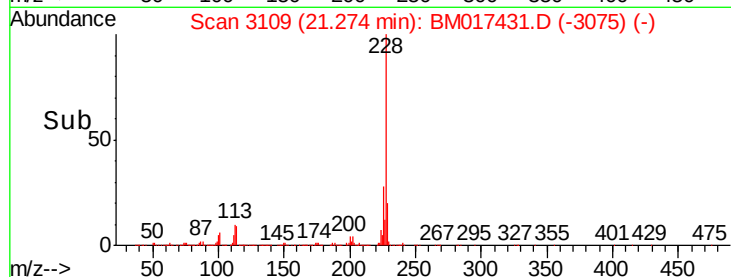
229 19.8 15.6 23.4



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: 52.865 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

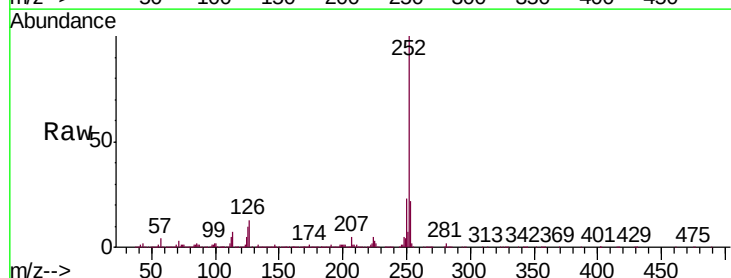
Tgt Ion:252 Resp: 4220561

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

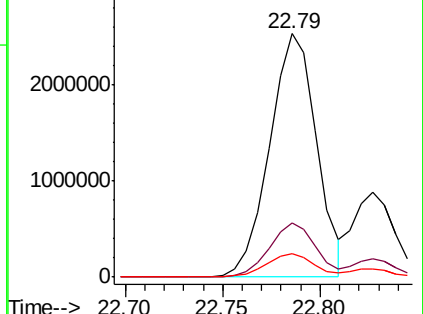
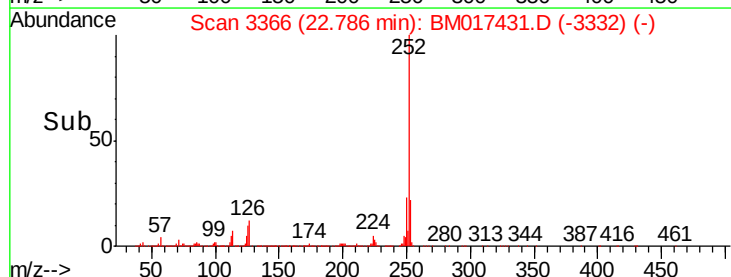
125 9.7 7.2 10.8

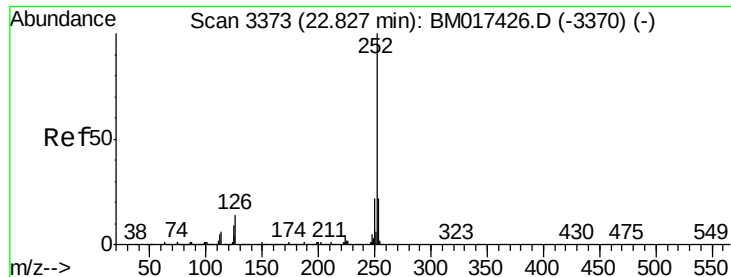


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 16.628 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. -0.00 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

Instrument :

BNA_M

ClientSampleId :

A40D1

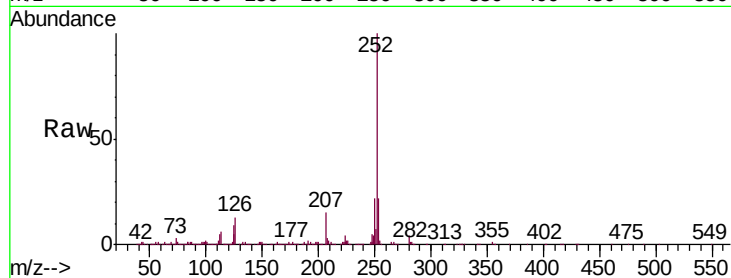
Tgt Ion:252 Resp: 1296706

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

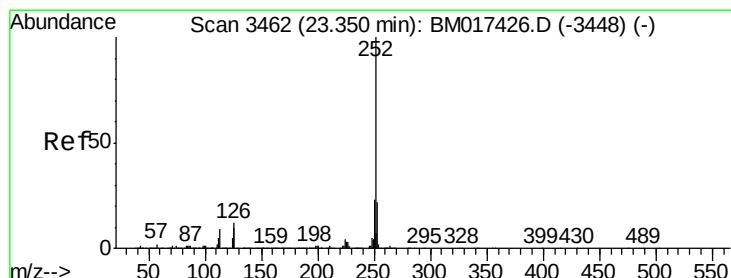
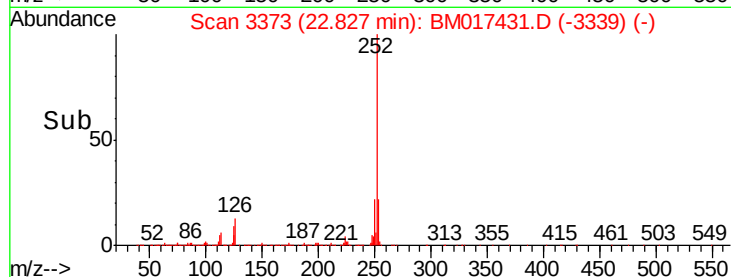
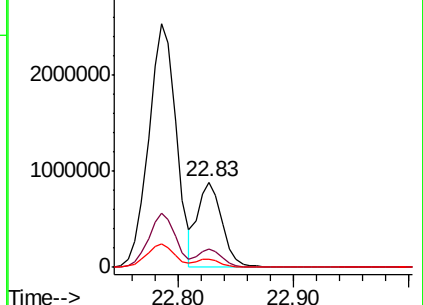
125 9.2 7.8 11.6



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: 13.354 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. -0.01 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

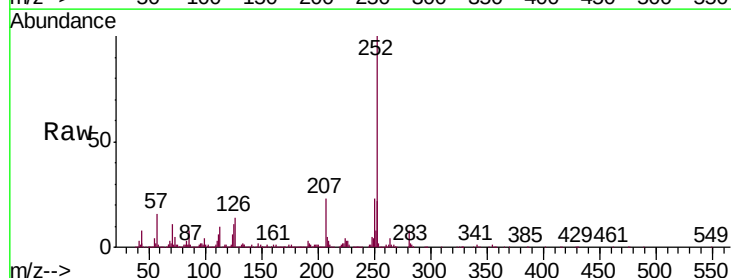
Tgt Ion:252 Resp: 1041543

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

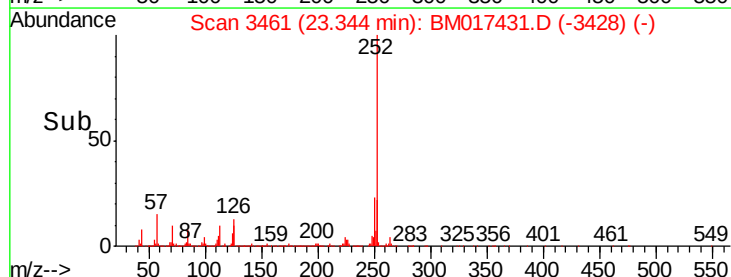
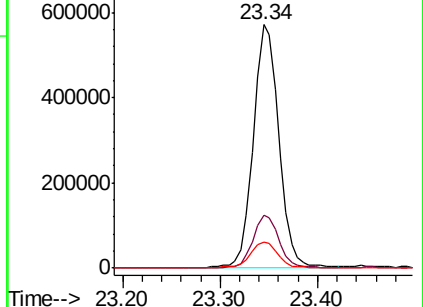
125 10.6 8.3 12.5

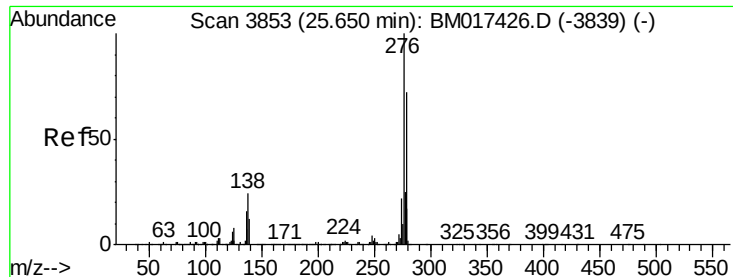


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



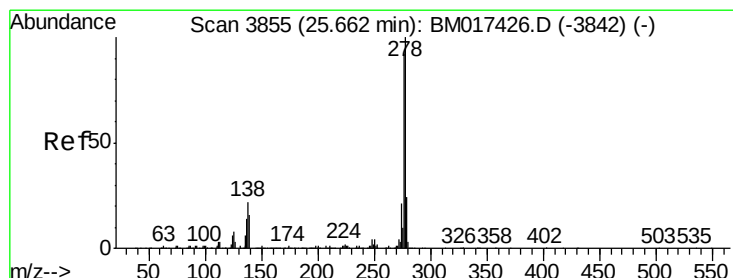
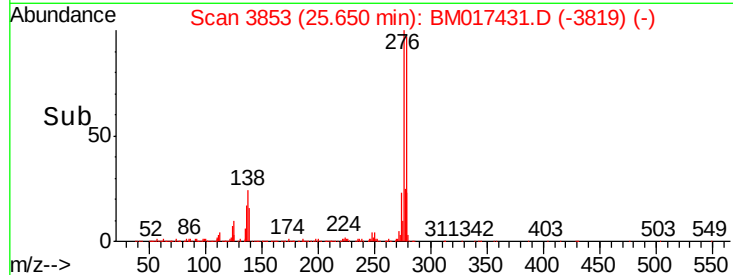
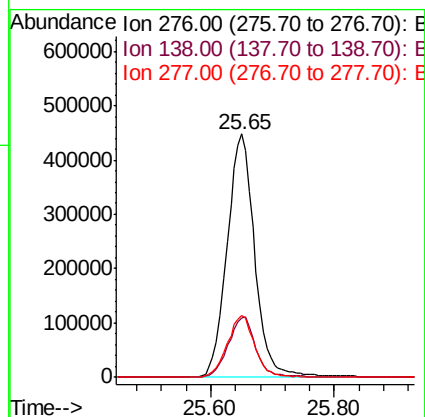
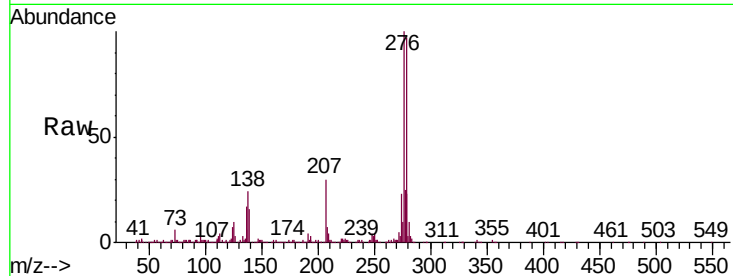


#92

Indeno(1,2,3-cd)pyrene
Concen: 14.621 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. -0.00 min
Lab File: BM017431.D
Acq: 31 Oct 2018 15:56

Instrument :
BNA_M
ClientSampleId :
A40D1

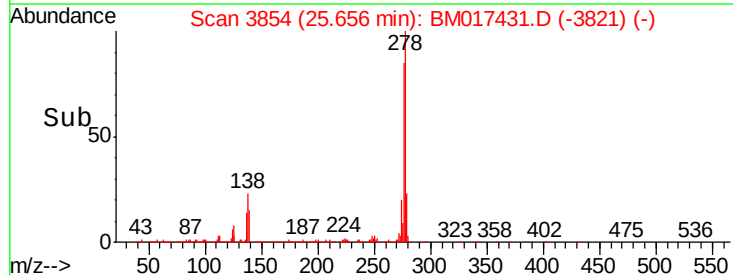
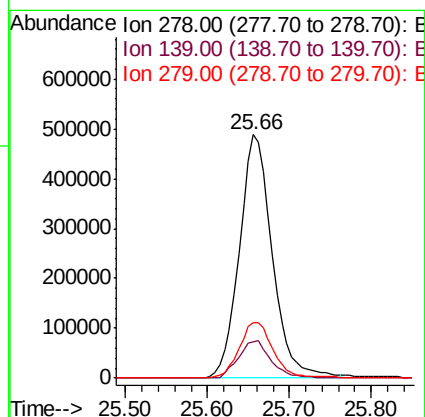
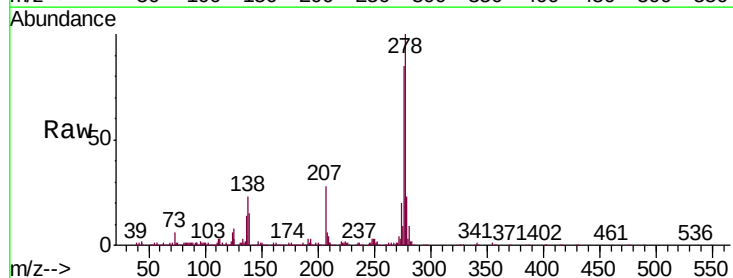
Tgt Ion:276 Resp: 1387493
Ion Ratio Lower Upper
276 100
138 24.2 18.1 27.1
277 25.1 19.6 29.4

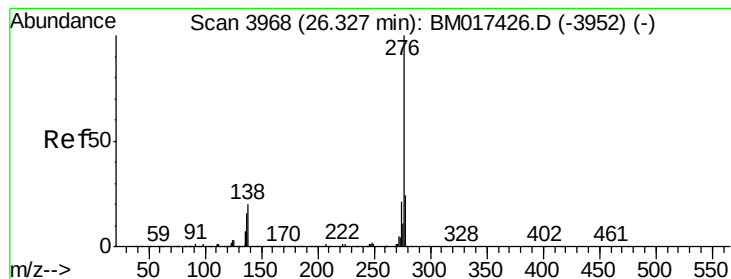


#93

Dibenzo(a,h)anthracene
Concen: 17.304 ng/ul
RT: 25.66 min Scan# 3854
Delta R.T. -0.01 min
Lab File: BM017431.D
Acq: 31 Oct 2018 15:56

Tgt Ion:278 Resp: 1371253
Ion Ratio Lower Upper
278 100
139 14.8 12.7 19.1
279 22.8 19.0 28.4





#94

Benzo(g,h,i)perylene

Concen: 15.104 ng/ul

RT: 26.32 min Scan# 3967

Delta R.T. -0.01 min

Lab File: BM017431.D

Acq: 31 Oct 2018 15:56

Instrument :

BNA_M

ClientSampleId :

A40D1

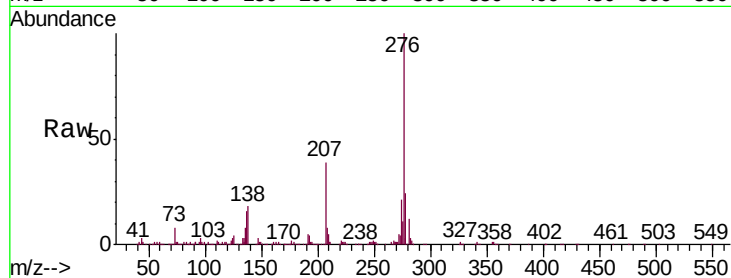
Tgt Ion:276 Resp: 1217631

Ion Ratio Lower Upper

276 100

138 18.1 16.6 25.0

277 23.5 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

