

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014781.D
 Acq On : 23 Apr 2018 18:12
 Operator : SJ/JU
 Sample : J2431-27
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 24 01:49:22 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	320540	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1315776	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	675374	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1389911	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1378444	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1445670	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	29181	3.98	ng/uL	0.00
5) Phenol-d5	7.65	99	602179	24.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	393412	24.76	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	490108	23.64	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	411778	20.84	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	230692	24.25	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	239575	25.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	430031	22.34	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	439674	23.14	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	1314012	24.92	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	1567044	24.07	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	263341	26.91	ng/ul	0.00
57) Fluorene-d10	16.10	176	1127010	24.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.21	200	201881	26.84	ng/ul	0.00
70) Anthracene-d10	17.94	188	1964143	30.32	ng/ul	0.00
76) Pyrene-d10	20.17	212	2173196	33.32	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	2344699	33.01	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.70	88	65346	8.460	ng/uL# 78
12) 2,2'-oxybis(1-Chloropropan	9.05	45	621562	17.246	ng/ul# 96
20) Nitrobenzene	9.75	77	430628	18.949	ng/ul 93
23) 2-Nitrophenol	10.47	139	256412	24.915	ng/ul# 75
25) Bis(2-Chloroethoxy)methane	10.75	93	369518	14.144	ng/ul 95
27) 2,4-Dichlorophenol	11.00	162	300362	16.343	ng/ul# 90
28) Naphthalene	11.42	128	673423	10.503	ng/ul 100
30) 4-Chloroaniline	11.42	127	89351	4.845	ng/ul# 24
33) 4-Chloro-3-methylphenol	12.60	107	973370	52.360	ng/ul 94
34) 2-Methylnaphthalene	12.99	142	1096525	24.627	ng/ul 96
37) Hexachlorocyclopentadiene	13.33	237	343982	23.583	ng/ul 99
38) 2,4,6-Trichlorophenol	13.57	196	218782	16.730	ng/ul 99
39) 2,4,5-Trichlorophenol	13.57	196	218782	15.664	ng/ul 98
41) 2-Chloronaphthalene	14.02	162	781317	18.526	ng/ul 97
44) Dimethylphthalate	14.56	163	217434	4.266	ng/ul 98
45) 2,6-Dinitrotoluene	14.69	165	106635	11.408	ng/ul# 90
47) Acenaphthylene	14.86	152	975048	15.459	ng/ul 100
49) Acenaphthene	15.19	153	534292	11.920	ng/ul 98
54) 2,4-Dinitrotoluene	15.47	165	435263	31.605	ng/ul# 82
55) 2,3,4,6-Tetrachlorophenol	15.73	232	394538	33.290	ng/ul# 83
58) Fluorene	16.16	166	557841	11.099	ng/ul 98
59) 4-Chlorophenyl-phenylether	16.14	204	451942	17.965	ng/ul 96
63) 4,6-Dinitro-2-methylphenol	16.22	198	747531	95.653	ng/ul 90

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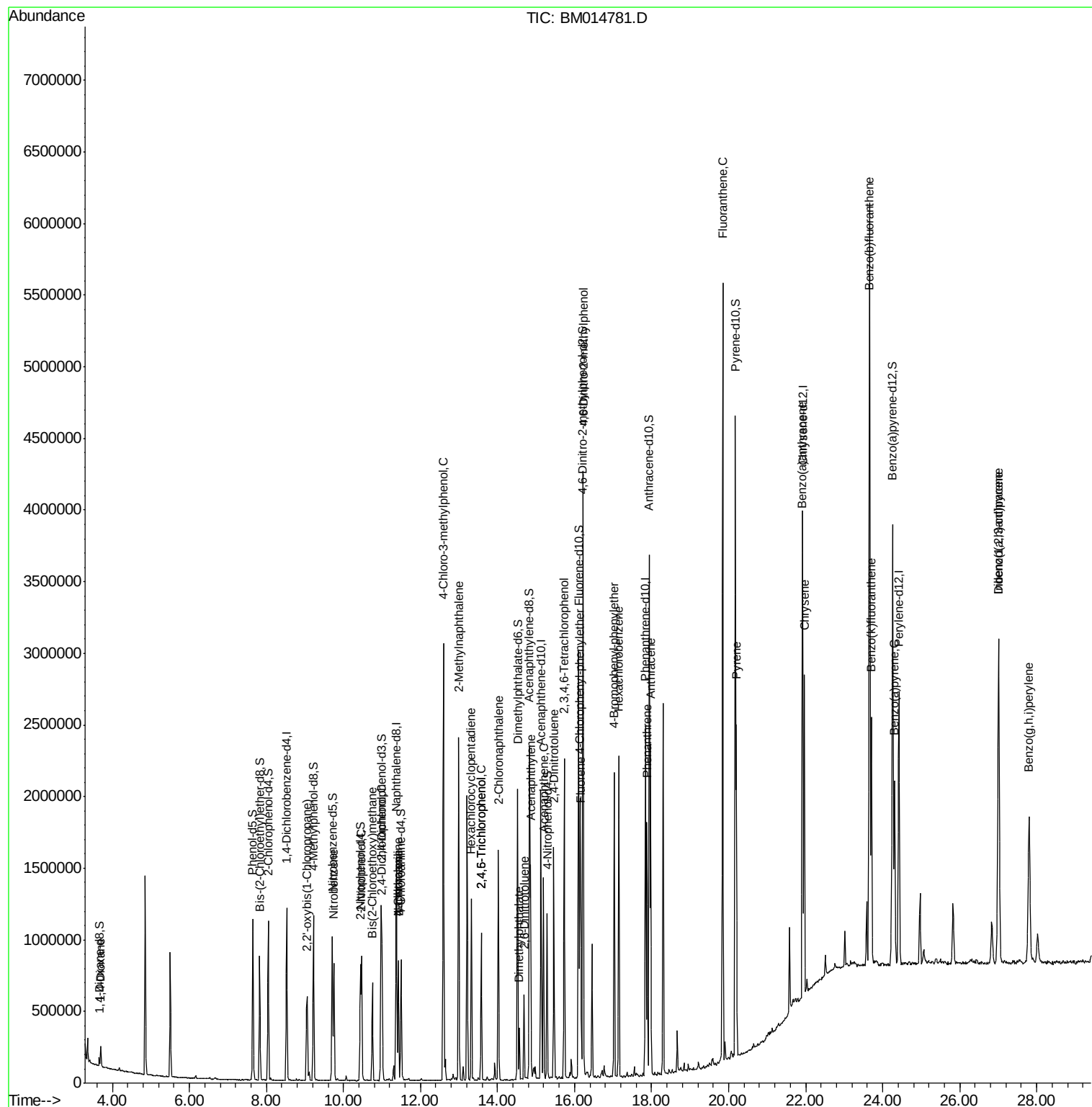
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	17.03	248	359061	24.460	ng/ul	94
66) Hexachlorobenzene	17.15	284	462752	27.133	ng/ul#	91
69) Phenanthrene	17.89	178	1070307	14.339	ng/ul	99
71) Anthracene	17.97	178	1342320	17.719	ng/ul	99
74) Fluoranthene	19.85	202	3114906	38.275	ng/ul#	83
77) Pyrene	20.20	202	1265410	15.712	ng/ul#	79
80) Benzo(a)anthracene	21.91	228	1210481	15.017	ng/ul	98
82) Chrysene	21.97	228	1121906	14.867	ng/ul	100
85) Benzo(b)fluoranthene	23.66	252	3949361	46.342	ng/ul#	96
86) Benzo(k)fluoranthene	23.71	252	1200623	14.651	ng/ul#	96
88) Benzo(a)pyrene	24.31	252	993413	12.289	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	27.01	276	1542780	15.776	ng/ul#	85
90) Dibenzo(a,h)anthracene	27.01	278	1547205	18.790	ng/ul#	92
91) Benzo(q,h,i)perylene	27.80	276	1338366	16.635	ng/ul#	89

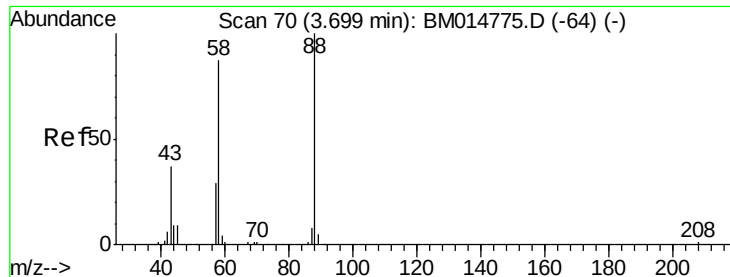
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 8.460 ng/uL

RT: 3.70 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Instrument :

BNA_M

ClientSampleId :

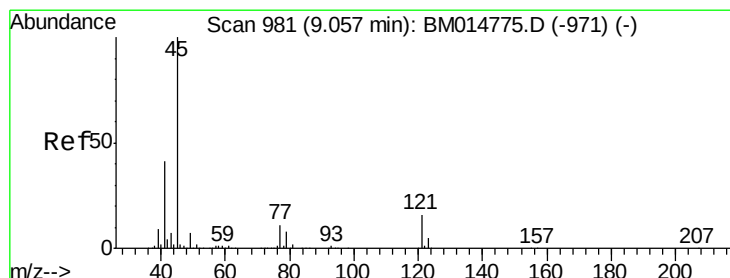
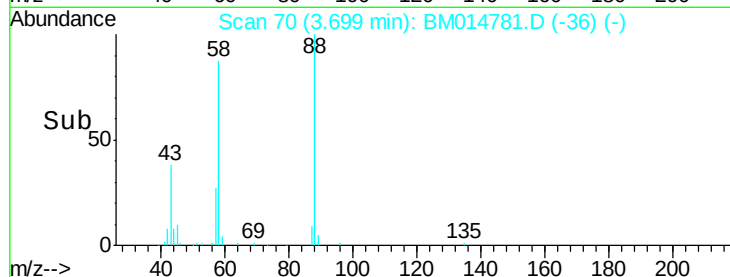
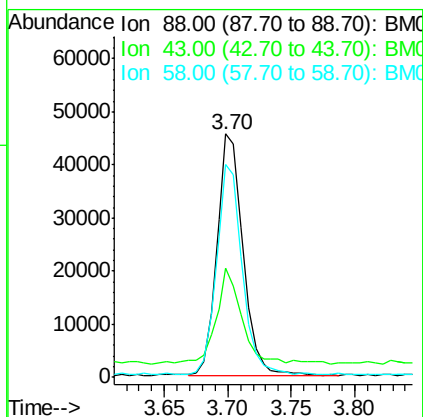
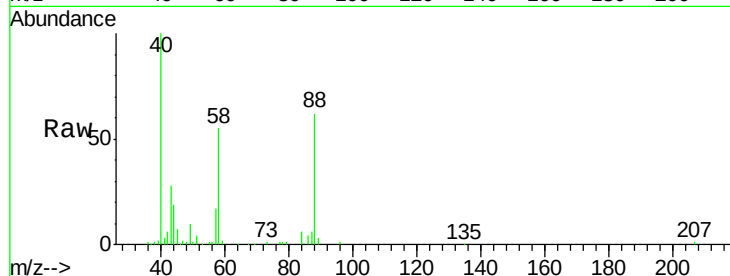
Tot Ion: 88 Resp: 65346

Ion Ratio Lower Upper

88 100

43 35.4 48.0 72.0#

58 84.9 80.0 120.0



#12

2,2'-oxybis(1-Chloropropane)

Concen: 17.246 ng/uL

RT: 9.05 min Scan# 980

Delta R.T. -0.01 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

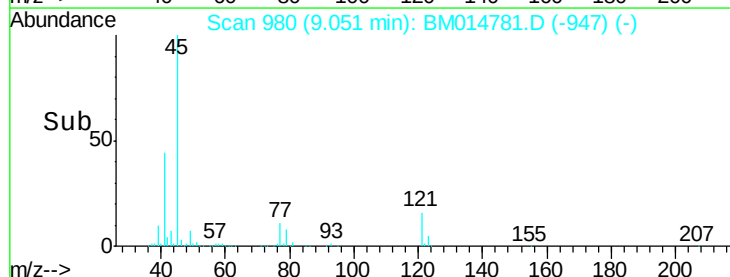
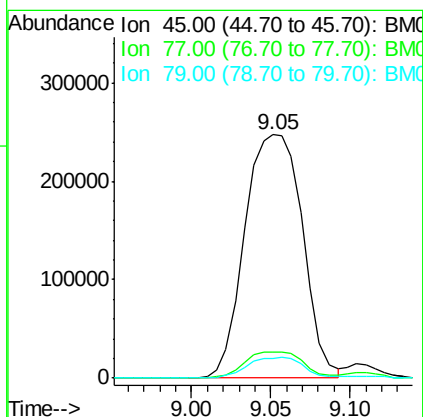
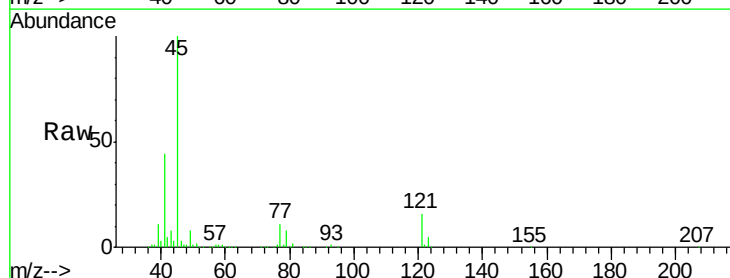
Tgt Ion: 45 Resp: 621562

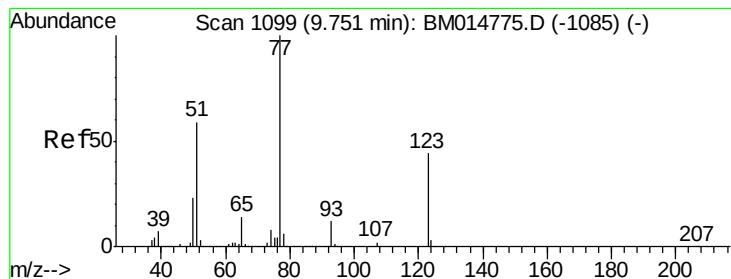
Ion Ratio Lower Upper

45 100

77 10.9 8.0 12.0

79 7.9 8.0 12.0#





#20

Nitrobenzene

Concen: 18.949 ng/ul

RT: 9.75 min Scan# 1099

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Instrument :

BNA_M

ClientSampleId :

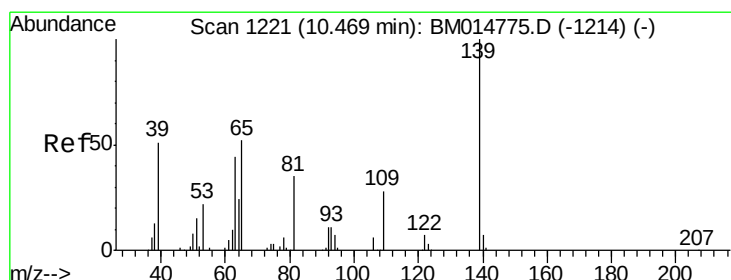
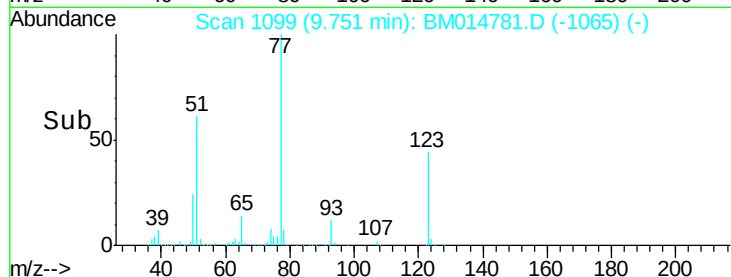
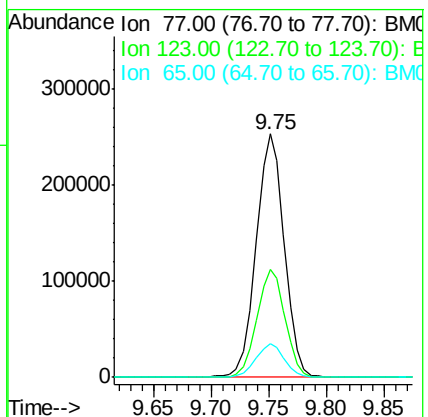
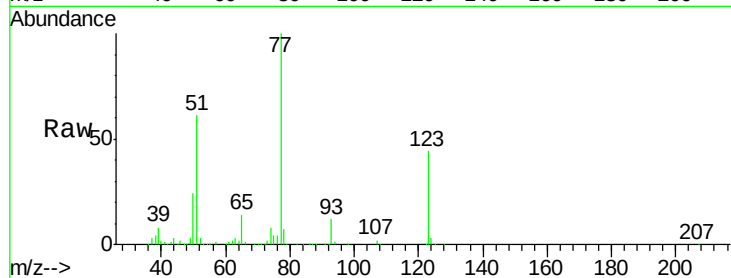
Tot Ion: 77 Resp: 430628

Ion Ratio Lower Upper

77 100

123 44.2 31.0 46.6

65 14.0 12.2 18.2



#23

2-Nitrophenol

Concen: 24.915 ng/ul

RT: 10.47 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

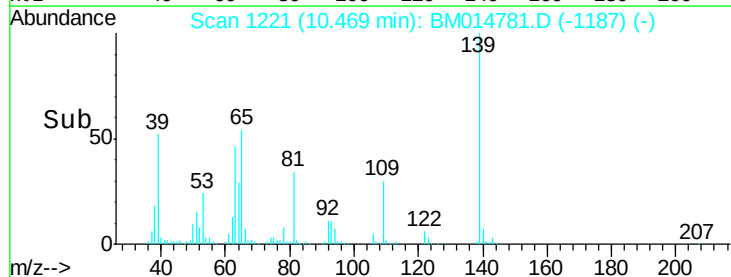
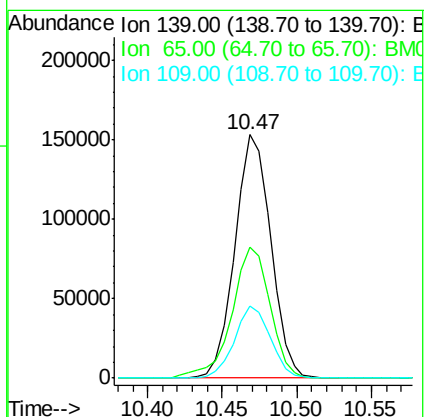
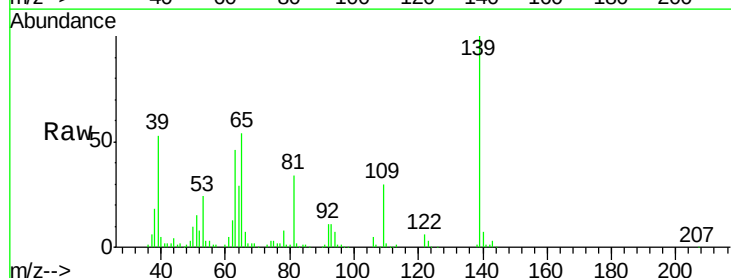
Tgt Ion: 139 Resp: 256412

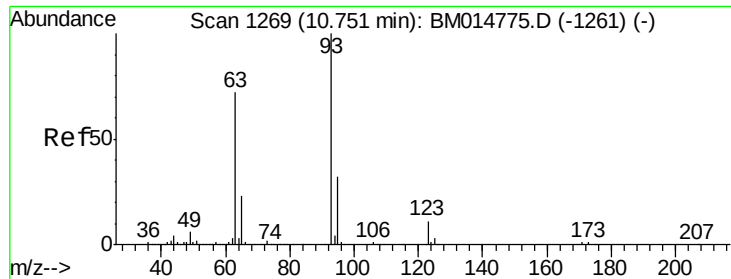
Ion Ratio Lower Upper

139 100

65 54.0 55.4 83.0#

109 29.6 42.2 63.2#

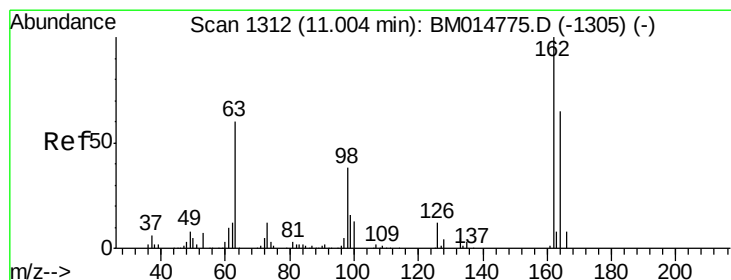
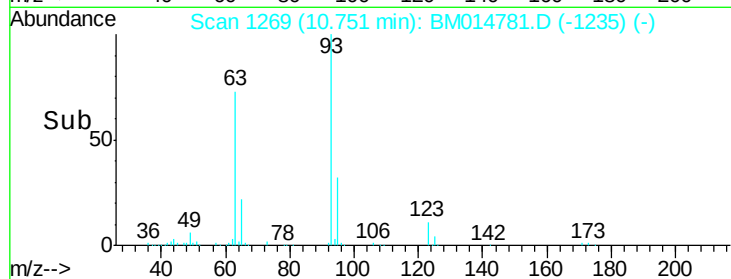
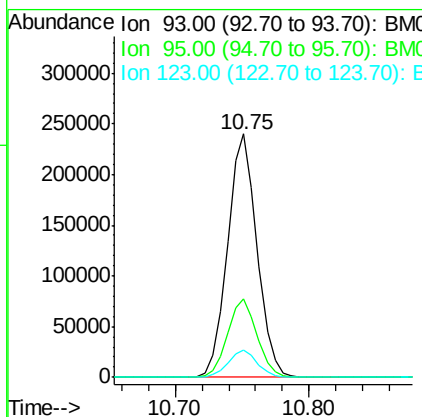
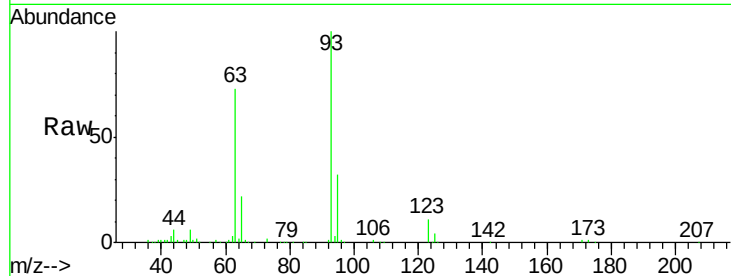




#25
 Bis(2-Chloroethoxy)methane
 Concen: 14.144 ng/ul
 RT: 10.75 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

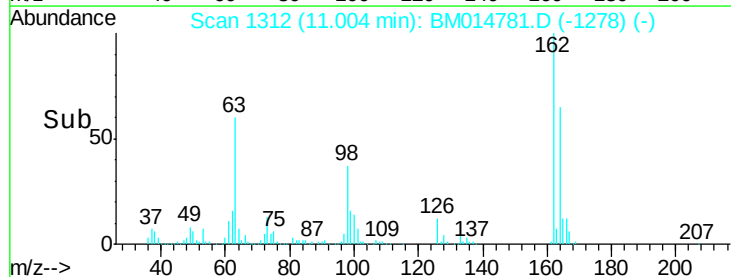
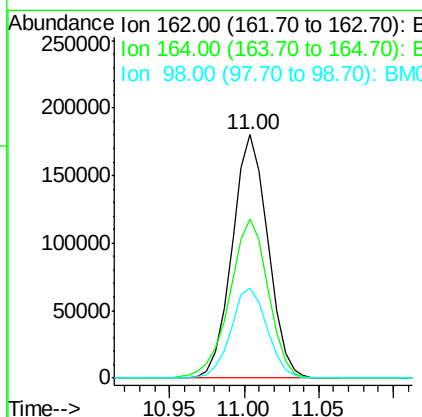
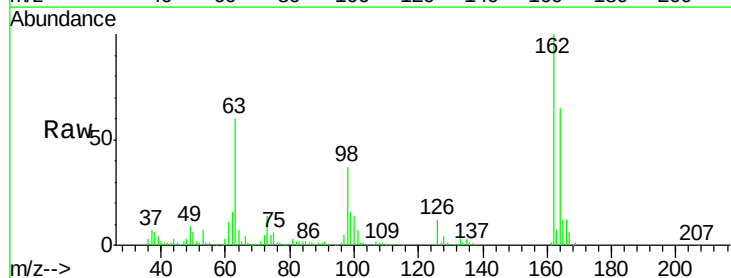
Instrument :
 BNA_M
 ClientSampled :

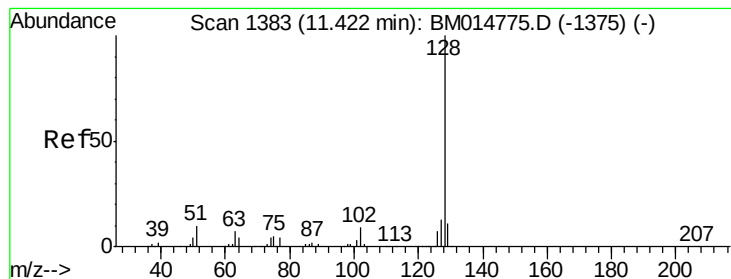
Tot Ion	93	Resp	369518
Ion Ratio	Lower	Upper	
93	100		
95	32.0	28.5	42.7
123	11.2	8.9	13.3



#27
 2,4-Dichlorophenol
 Concen: 16.343 ng/ul
 RT: 11.00 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

Tgt Ion	162	Resp	300362
Ion Ratio	Lower	Upper	
162	100		
164	65.2	47.8	71.6
98	37.2	23.0	34.4#





#28

Naphthalene

Concen: 10.503 ng/ul

RT: 11.42 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Instrument :

BNA_M

ClientSampleId :

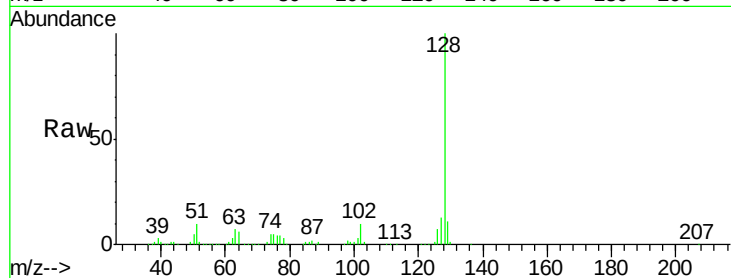
Tot Ion:128 Resp: 673423

Ion Ratio Lower Upper

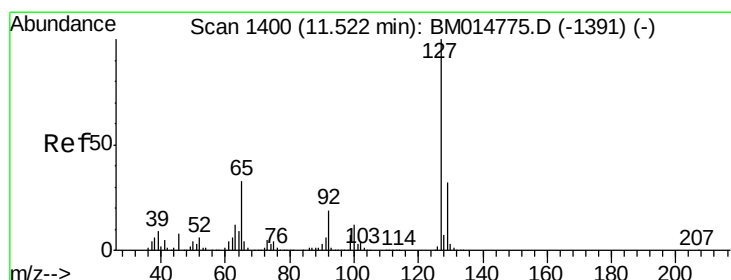
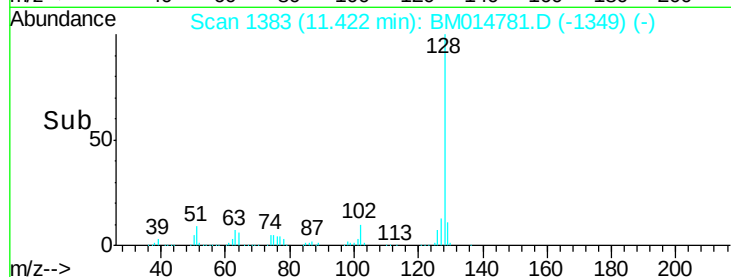
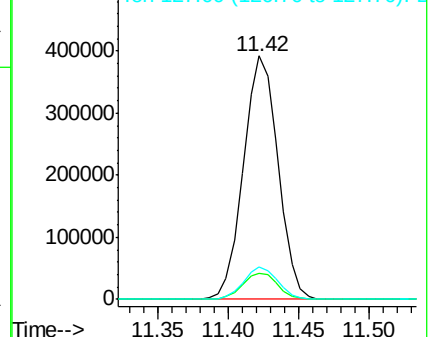
128 100

129 10.7 8.8 13.2

127 13.4 10.6 16.0



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: 4.845 ng/ul

RT: 11.42 min Scan# 1383

Delta R.T. -0.10 min

Lab File: BM014781.D

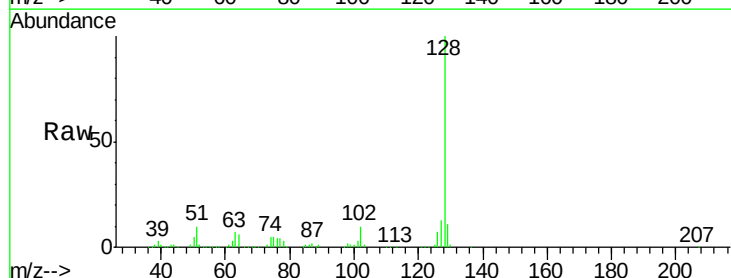
Acq: 23 Apr 2018 18:12

Tgt Ion:127 Resp: 89351

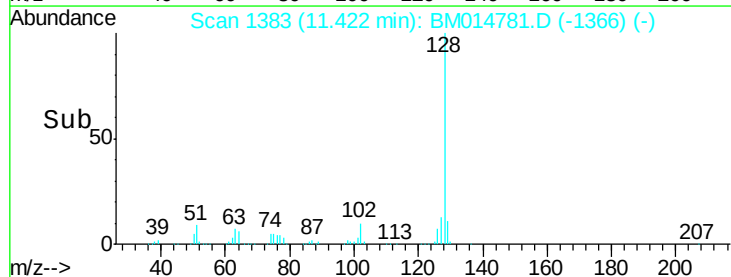
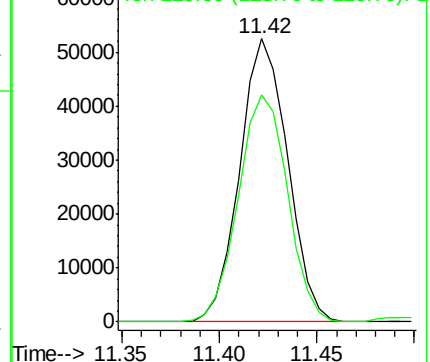
Ion Ratio Lower Upper

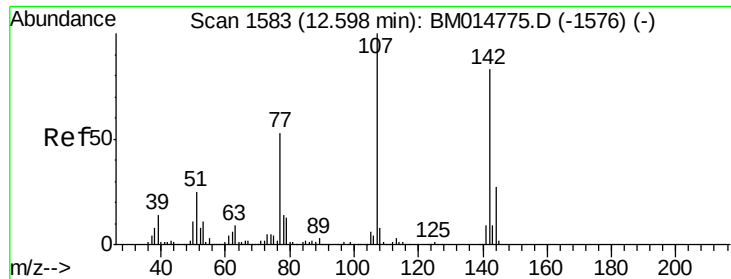
127 100

129 80.1 28.4 42.6#



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

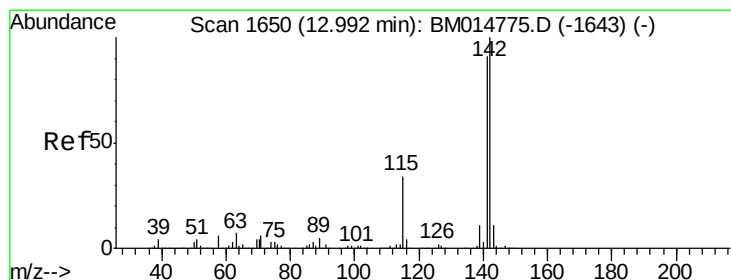
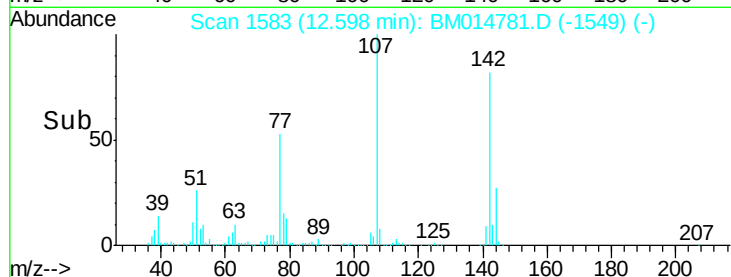
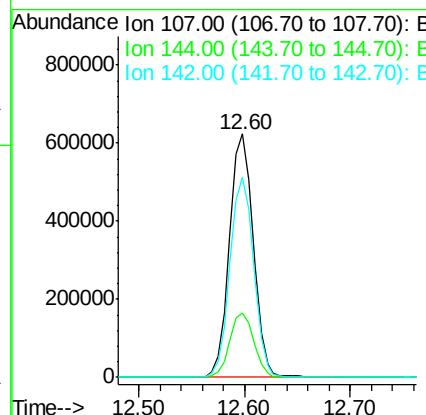
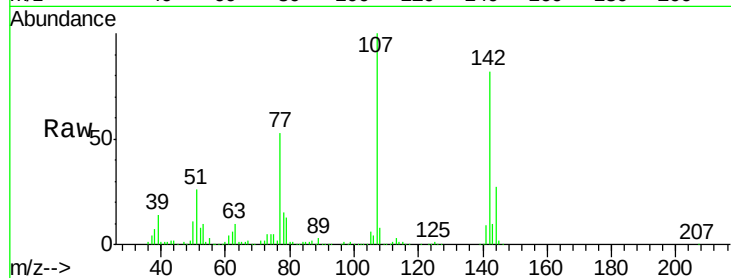




#33
 4-Chloro-3-methylphenol
 Concen: 52.360 ng/ul
 RT: 12.60 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

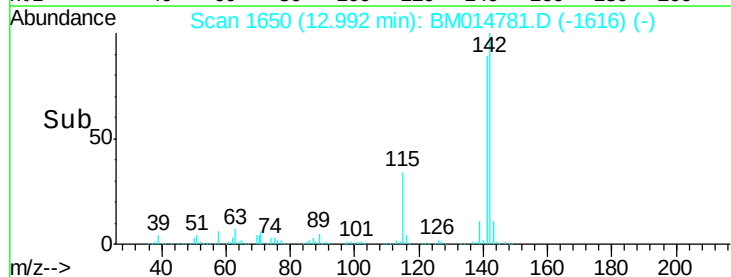
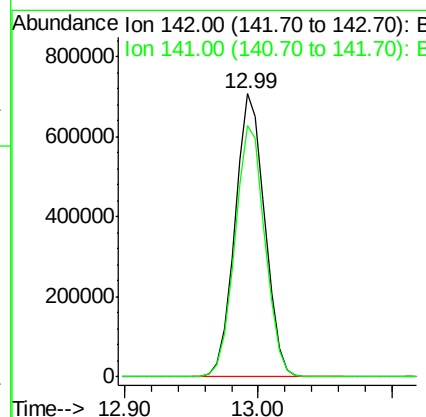
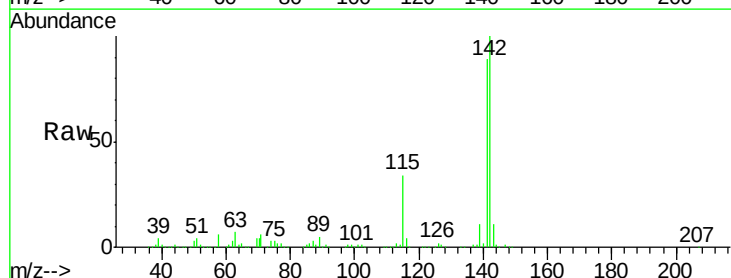
Instrument :
 BNA_M
 ClientSampleId :

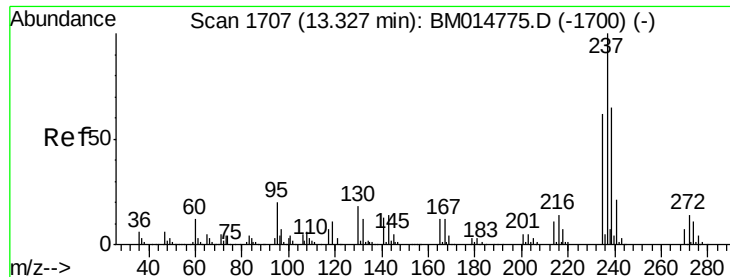
Tot Ion:107 Resp: 973370
 Ion Ratio Lower Upper
 107 100
 144 26.5 20.4 30.6
 142 82.4 60.5 90.7



#34
 2-Methylnaphthalene
 Concen: 24.627 ng/ul
 RT: 12.99 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

Tgt Ion:142 Resp: 1096525
 Ion Ratio Lower Upper
 142 100
 141 88.9 74.1 111.1





#37

Hexachlorocyclopentadiene

Concen: 23.583 ng/ul

RT: 13.33 min Scan# 1707

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

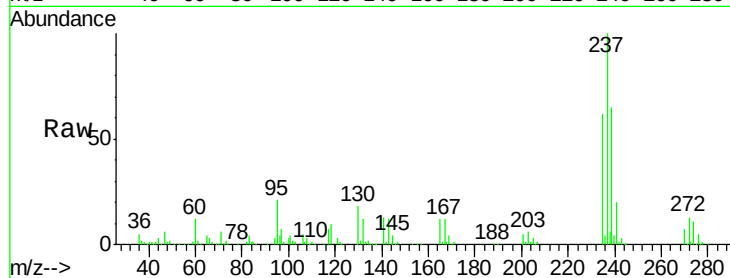
Instrument :

BNA_M

ClientSampleId :

Tot Ion:237 Resp: 343982

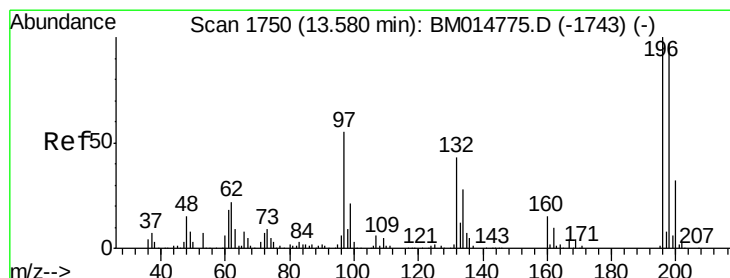
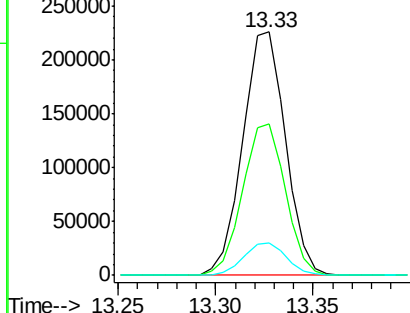
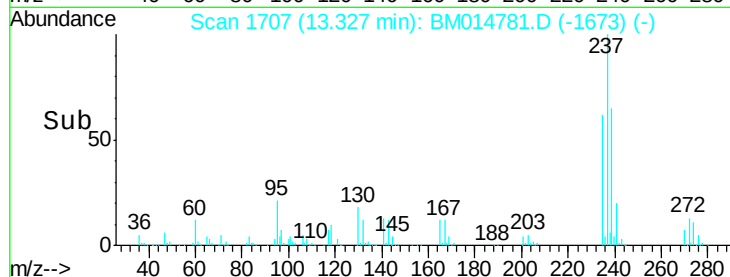
Ion	Ratio	Lower	Upper
237	100		
235	62.1	50.2	75.4
272	13.4	11.0	16.6



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



#38

2,4,6-Trichlorophenol

Concen: 16.730 ng/ul

RT: 13.57 min Scan# 1749

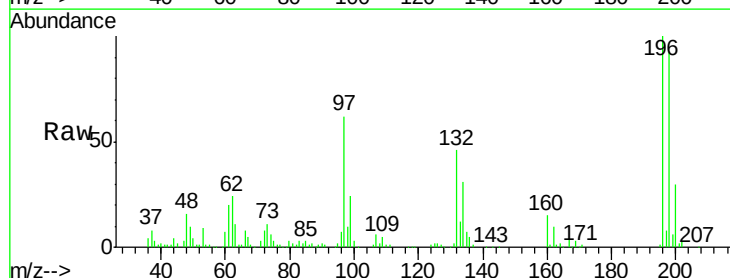
Delta R.T. -0.01 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Tgt Ion:196 Resp: 218782

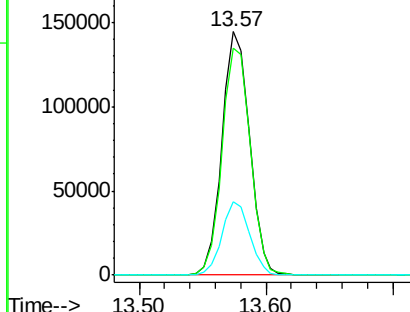
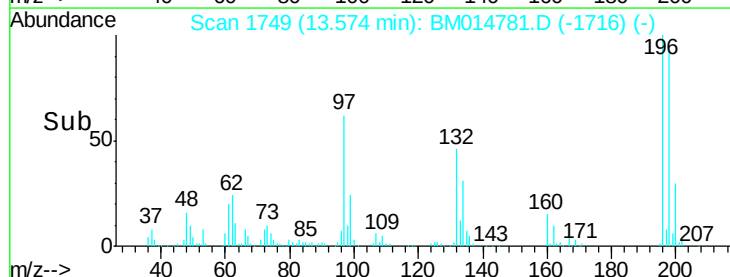
Ion	Ratio	Lower	Upper
196	100		
198	93.2	74.1	111.1
200	30.2	25.2	37.8

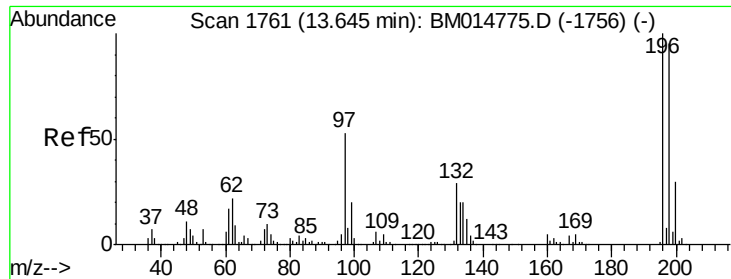


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

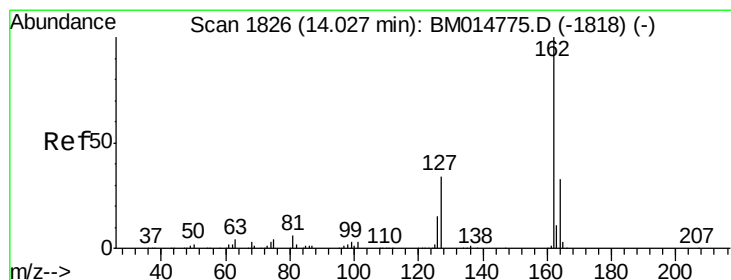
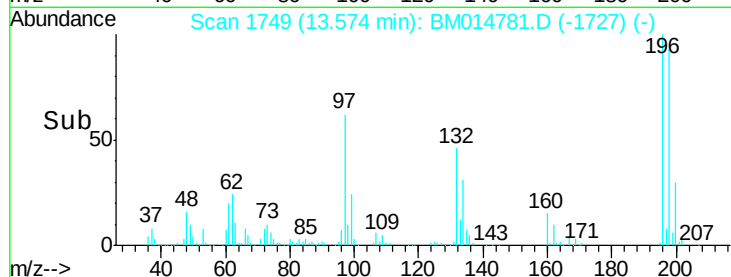
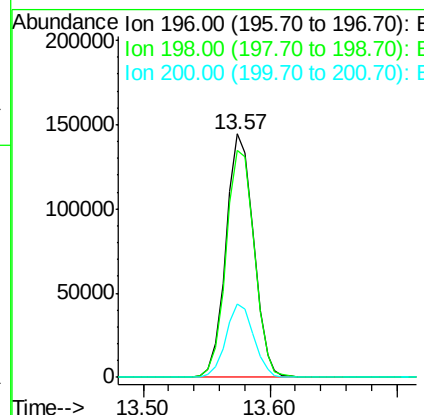
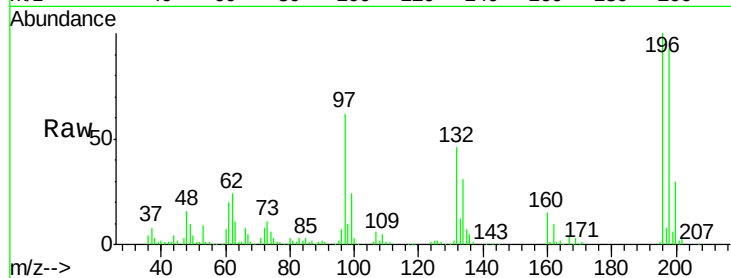




#39
 2,4,5-Trichlorophenol
 Concen: 15.664 ng/ul
 RT: 13.57 min Scan# 1749
 Delta R.T. -0.07 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

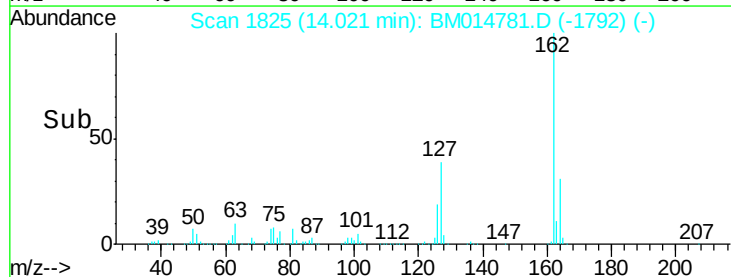
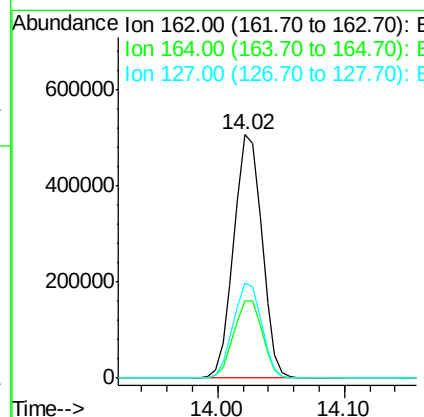
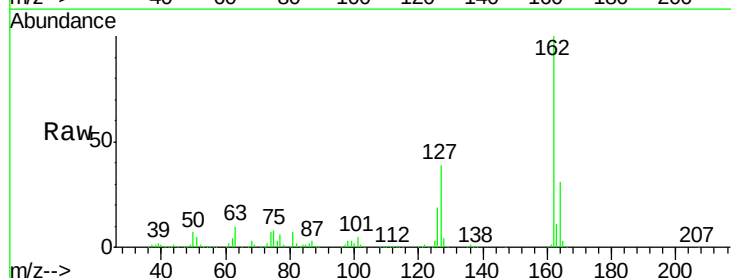
Instrument :
 BNA_M
 ClientSampled :

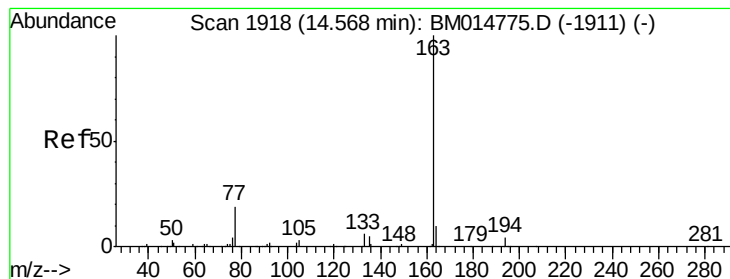
Tot Ion	196	Resp	218782
Ion Ratio	Lower	Upper	
196	100		
198	93.2	75.6	113.4
200	30.2	25.5	38.3



#41
 2-Chloronaphthalene
 Concen: 18.526 ng/ul
 RT: 14.02 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

Tgt Ion	162	Resp	781317
Ion Ratio	Lower	Upper	
162	100		
164	31.5	25.9	38.9
127	38.9	29.4	44.2





#44

Dimethylphthalate

Concen: 4.266 ng/ul

RT: 14.56 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Instrument :

BNA_M

ClientSampleId :

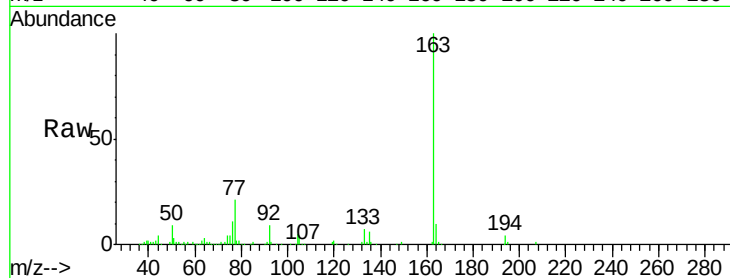
Tot Ion:163 Resp: 217434

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

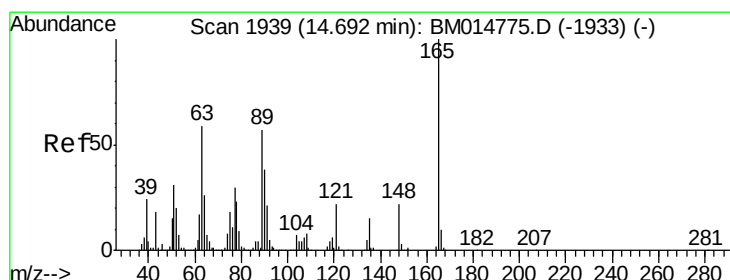
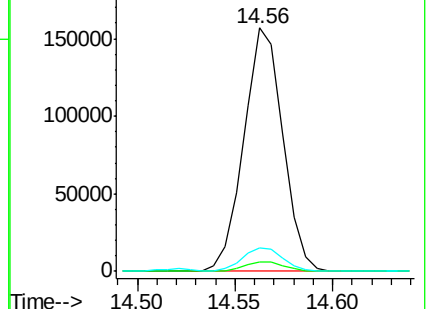
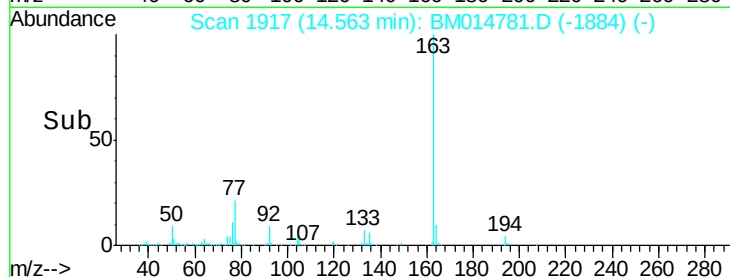
164 9.8 8.2 12.4



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



#45

2,6-Dinitrotoluene

Concen: 11.408 ng/ul

RT: 14.69 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

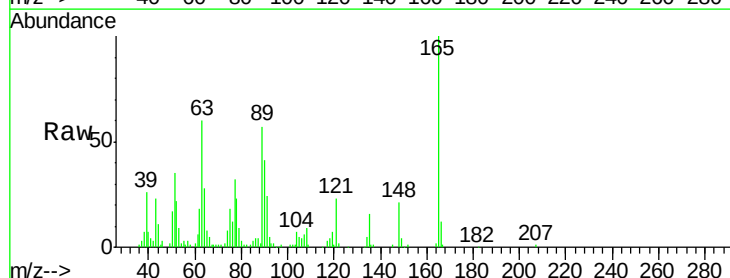
Tgt Ion:165 Resp: 106635

Ion Ratio Lower Upper

165 100

89 57.3 52.6 79.0

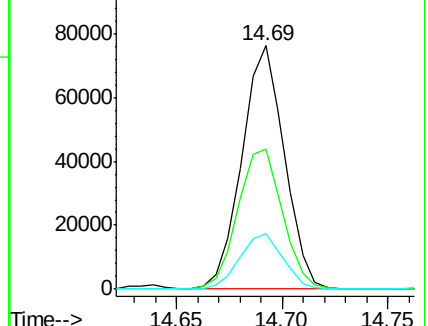
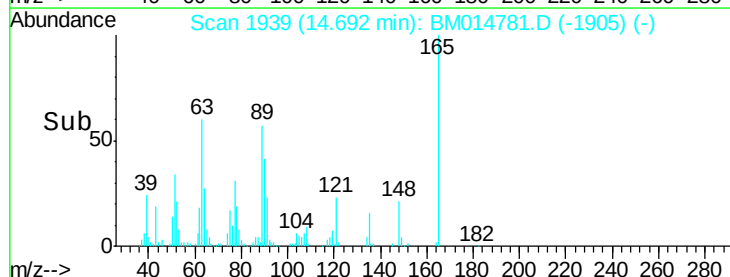
121 22.6 14.6 22.0#

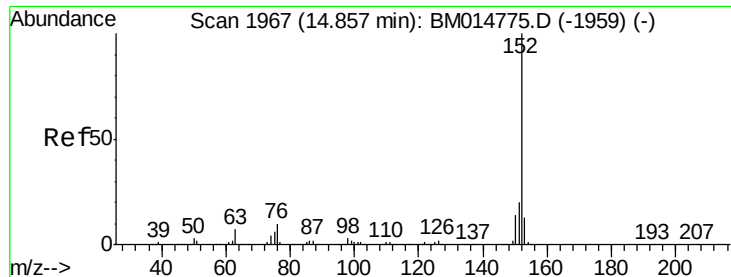


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 15.459 ng/ul

RT: 14.86 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

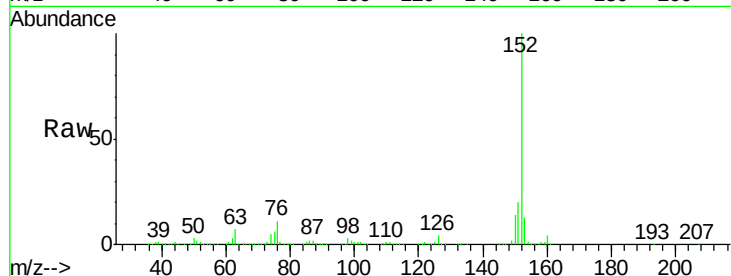
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 975048

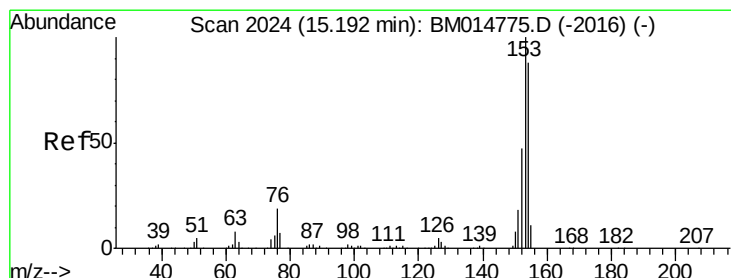
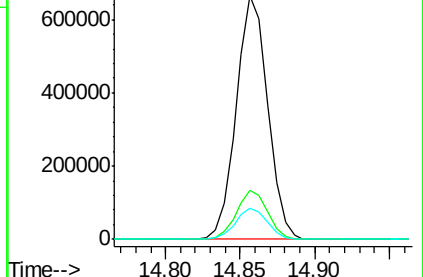
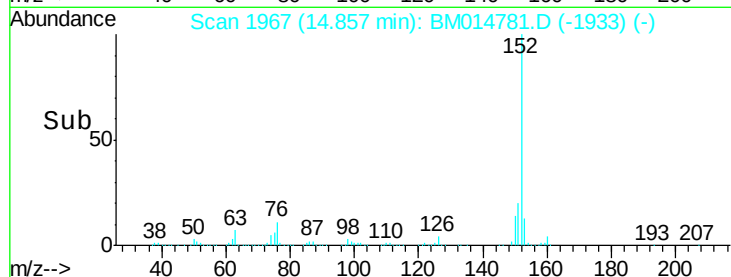
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	12.8	10.2	15.4



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



#49

Acenaphthene

Concen: 11.920 ng/ul

RT: 15.19 min Scan# 2024

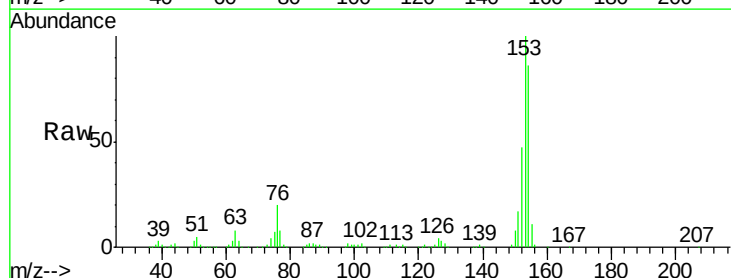
Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Tgt Ion:153 Resp: 534292

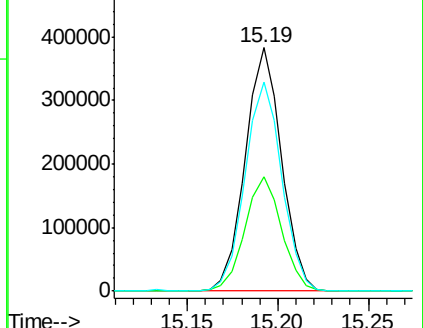
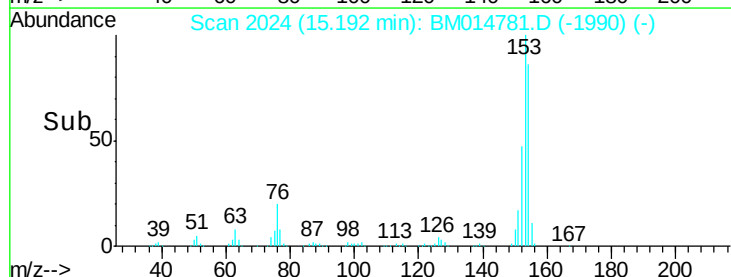
Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.6	56.4
154	85.8	70.4	105.6

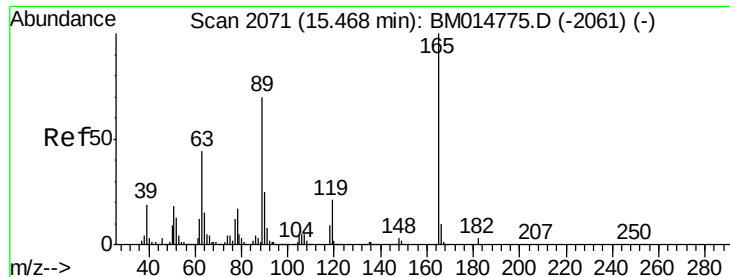


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

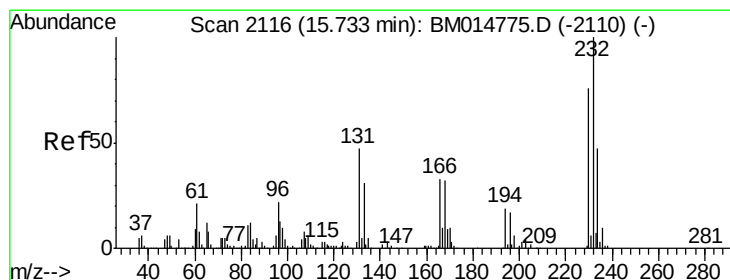
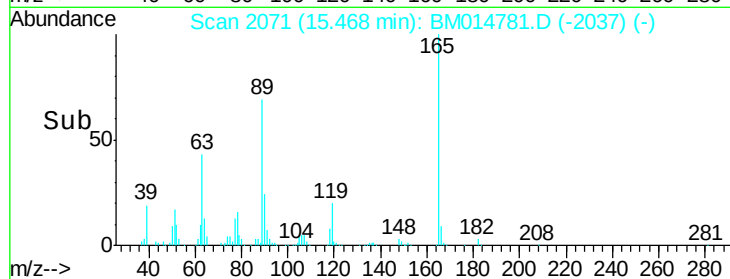
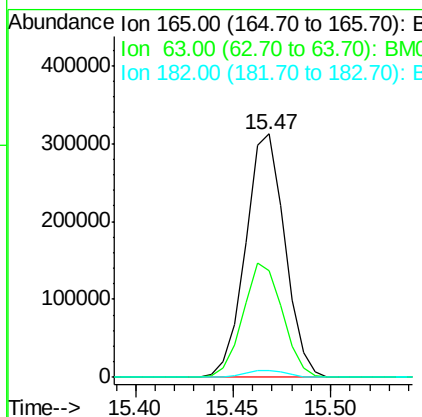
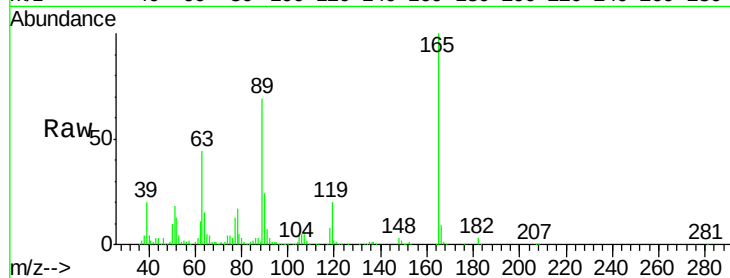




#54
 2,4-Dinitrotoluene
 Concen: 31.605 ng/ul
 RT: 15.47 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

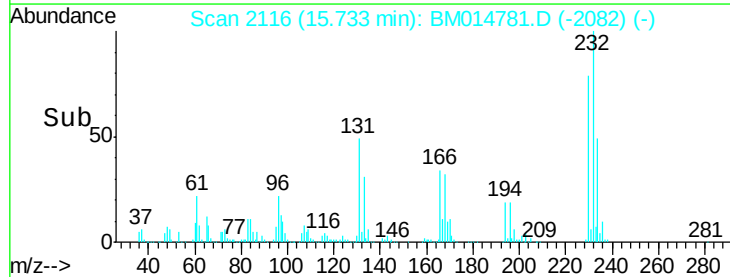
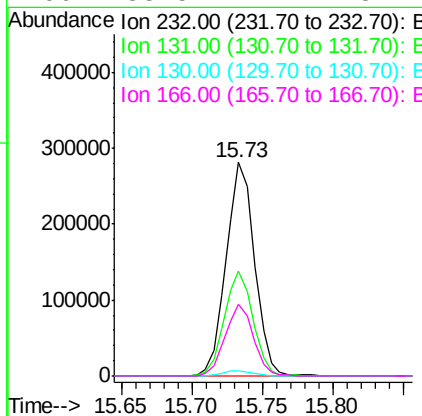
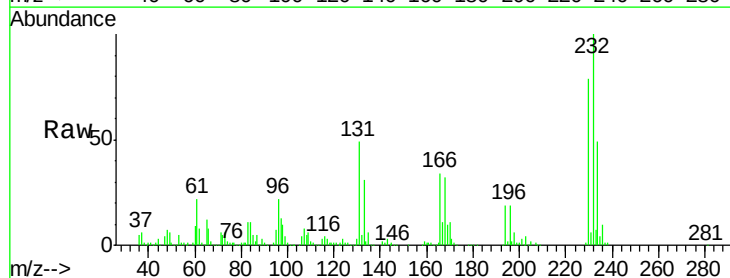
Instrument :
 BNA_M
 ClientSampleId :

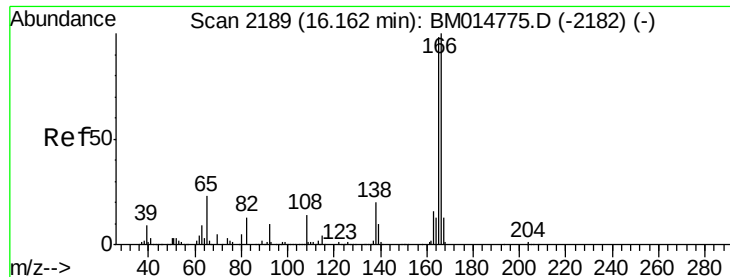
Tot Ion:165 Resp: 435263
 Ion Ratio Lower Upper
 165 100
 63 43.7 45.8 68.8#
 182 2.9 2.6 4.0



#55
 2,3,4,6-Tetrachlorophenol
 Concen: 33.290 ng/ul
 RT: 15.73 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

Tgt Ion:232 Resp: 394538
 Ion Ratio Lower Upper
 232 100
 131 49.1 29.0 43.4#
 130 2.6 2.0 3.0
 166 33.5 21.4 32.2#





#58

Fluorene

Concen: 11.099 ng/ul

RT: 16.16 min Scan# 2189

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Instrument :

BNA_M

ClientSampled :

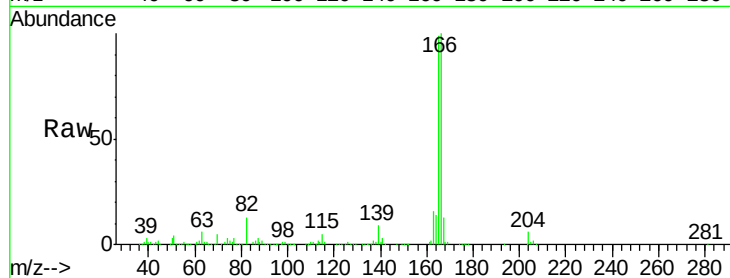
Tot Ion:166 Resp: 557841

Ion Ratio Lower Upper

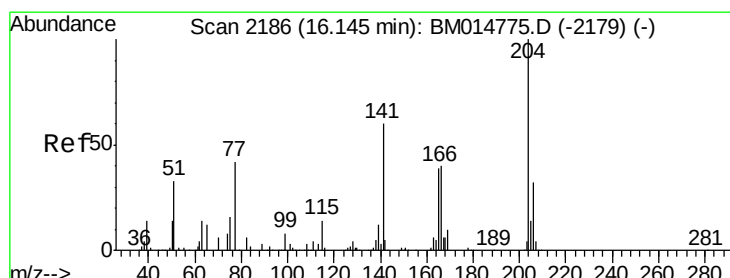
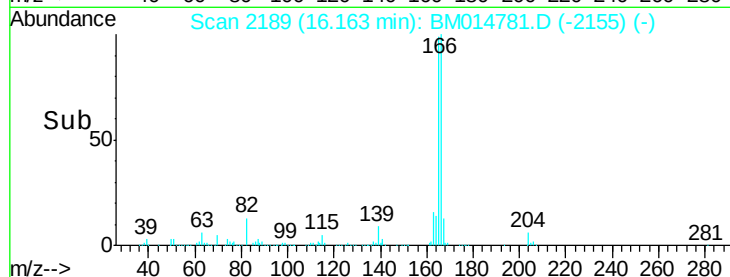
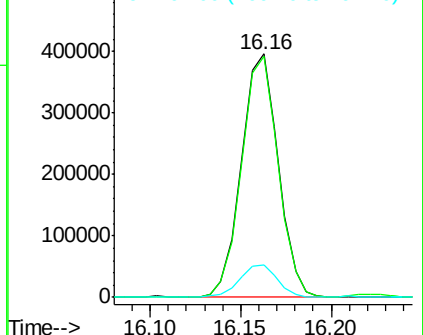
166 100

165 99.2 77.9 116.9

167 13.4 10.6 16.0



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

4-Chlorophenyl-phenylether

Concen: 17.965 ng/ul

RT: 16.14 min Scan# 2186

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

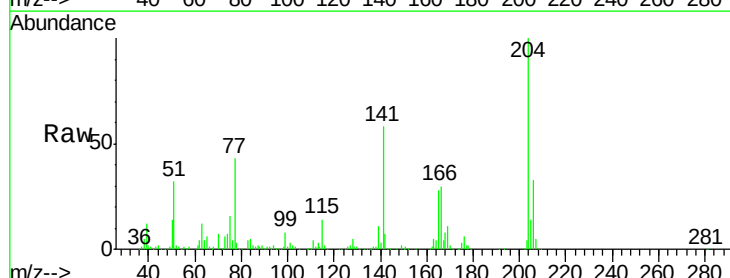
Tgt Ion:204 Resp: 451942

Ion Ratio Lower Upper

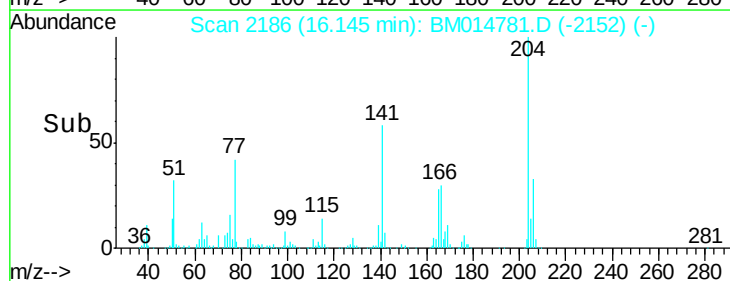
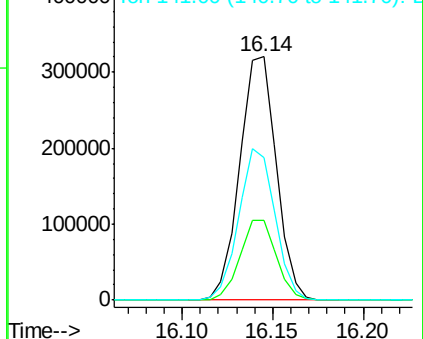
204 100

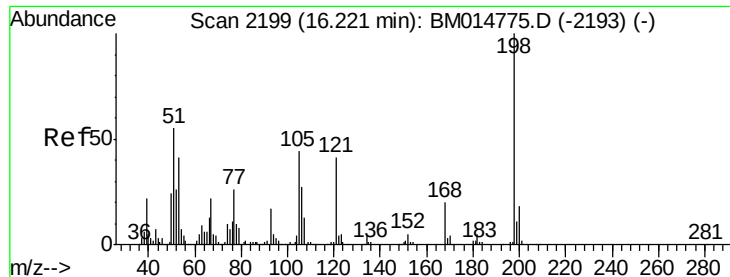
206 32.9 24.8 37.2

141 58.4 44.3 66.5



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





#63

4,6-Dinitro-2-methylphenol

Concen: 95.653 ng/ul

RT: 16.22 min Scan# 2199

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Instrument :

BNA_M

ClientSampleId :

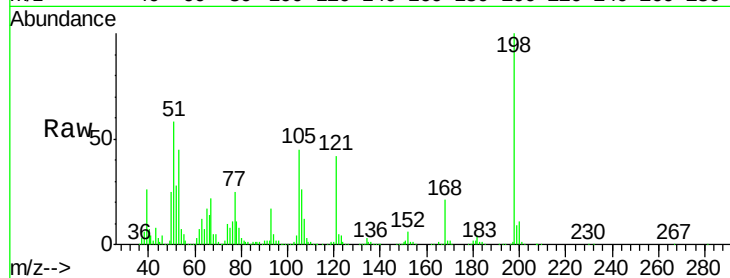
Tot Ion:198 Resp: 747531

Ion Ratio Lower Upper

198 100

182 4.1 3.8 5.6

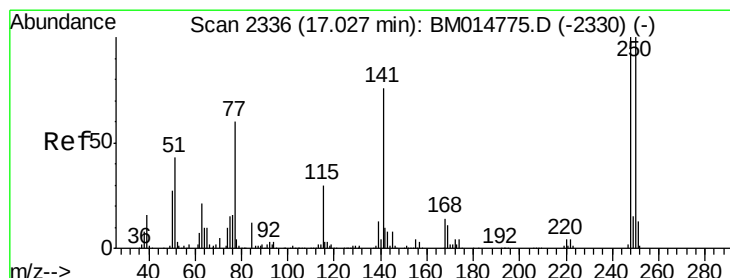
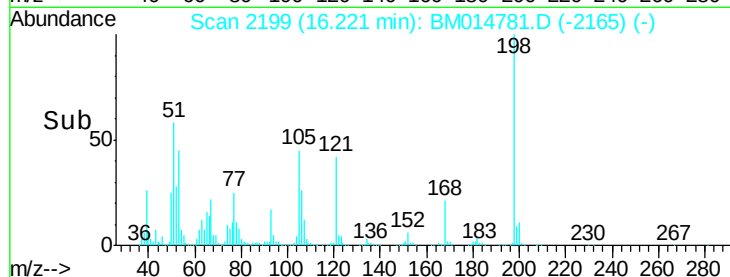
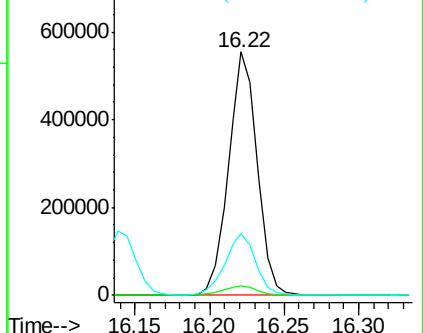
77 25.4 25.2 37.8



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): BM0



#65

4-Bromophenyl-phenylether

Concen: 24.460 ng/ul

RT: 17.03 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

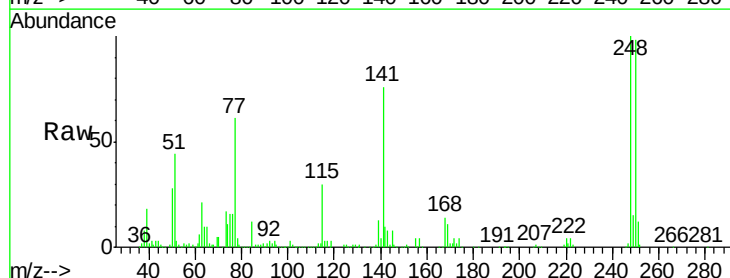
Tgt Ion:248 Resp: 359061

Ion Ratio Lower Upper

248 100

250 97.9 80.5 120.7

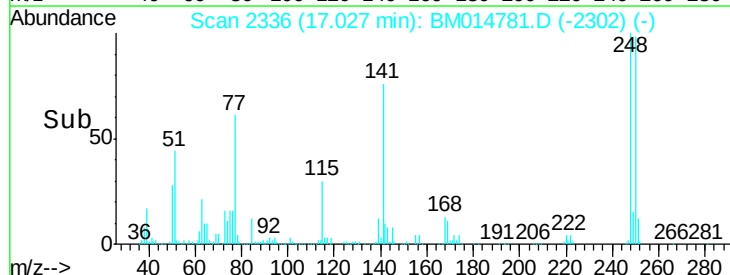
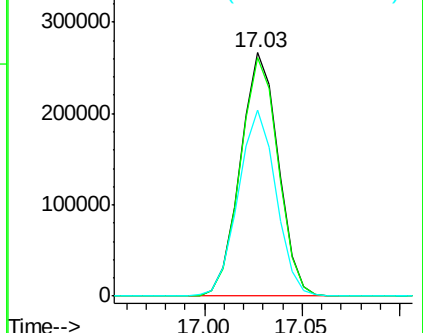
141 76.3 53.6 80.4

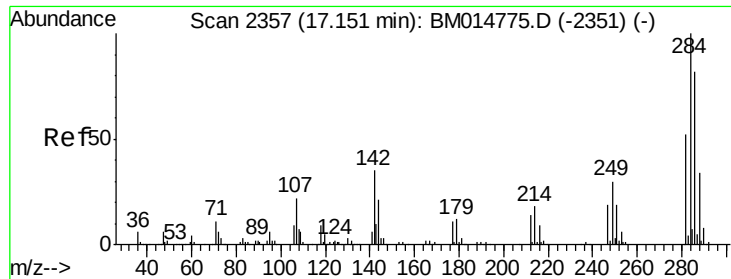


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

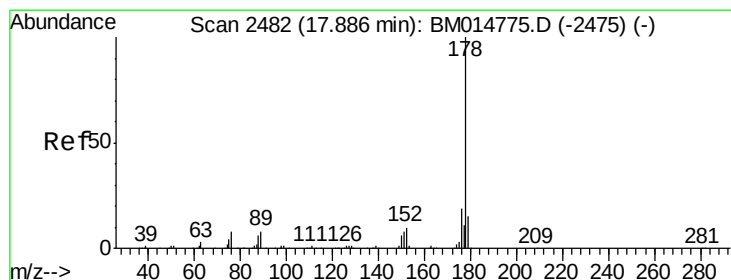
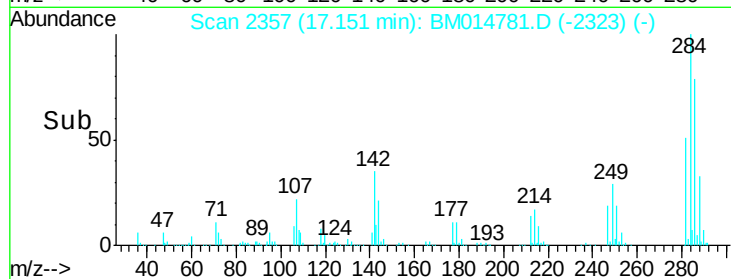
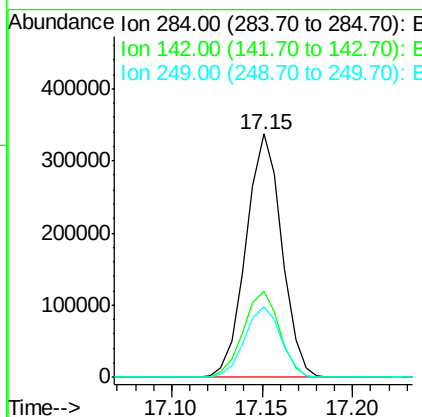
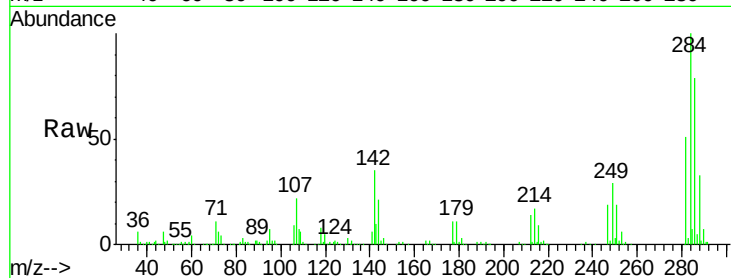




#66
Hexachlorobenzene
Concen: 27.133 ng/ul
RT: 17.15 min Scan# 2357
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

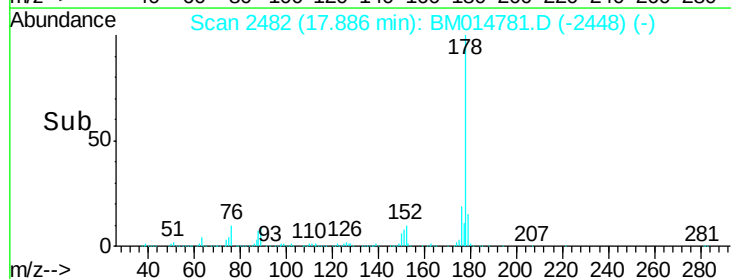
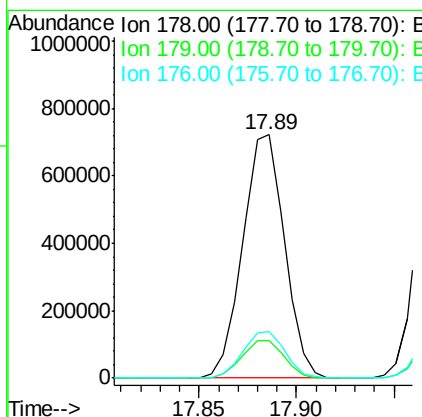
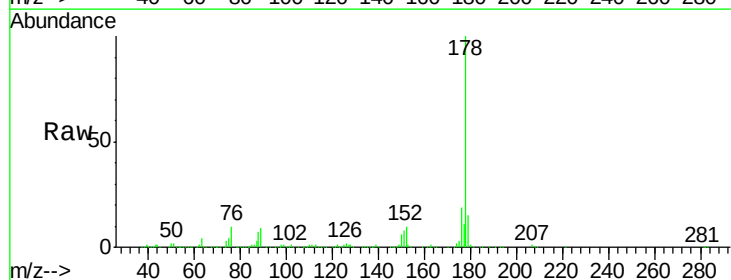
Instrument :
BNA_M
ClientSampleId :

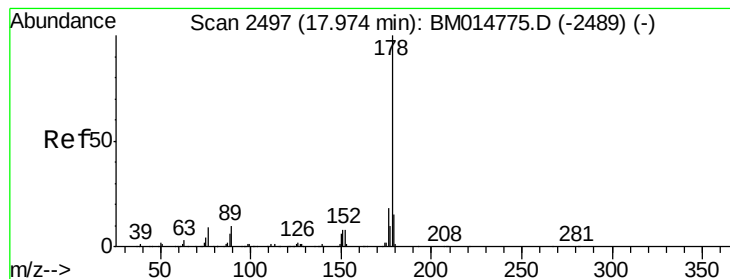
Tot Ion:284 Resp: 462752
Ion Ratio Lower Upper
284 100
142 35.1 21.2 31.8#
249 29.0 24.5 36.7



#69
Phenanthrene
Concen: 14.339 ng/ul
RT: 17.89 min Scan# 2482
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:178 Resp: 1070307
Ion Ratio Lower Upper
178 100
179 15.2 12.6 19.0
176 18.9 14.9 22.3





#71

Anthracene

Concen: 17.719 ng/ul

RT: 17.97 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

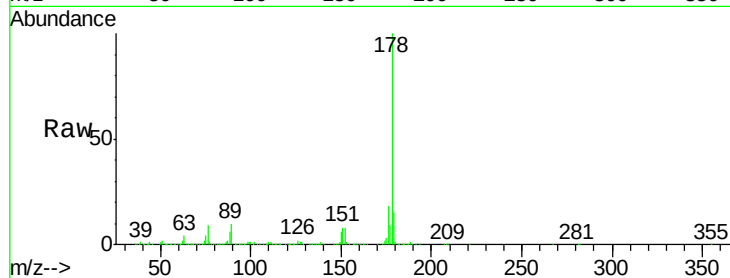
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1342320

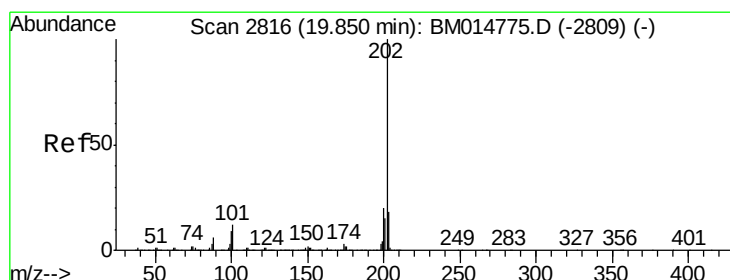
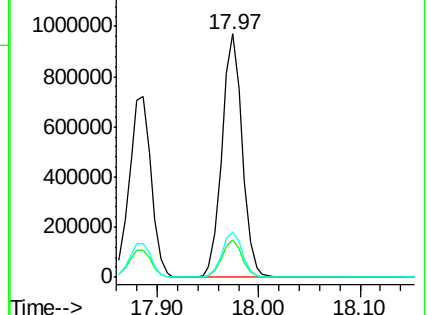
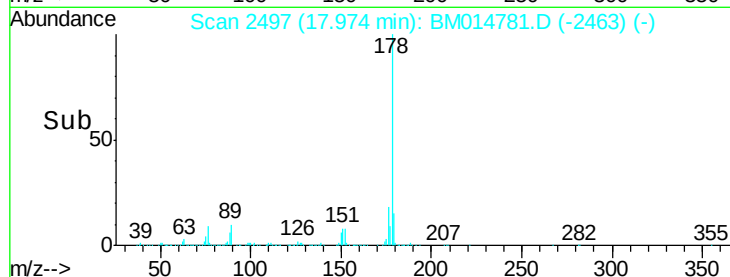
Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.7	17.5
176	18.4	14.6	21.8



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



#74

Fluoranthene

Concen: 38.275 ng/ul

RT: 19.85 min Scan# 2816

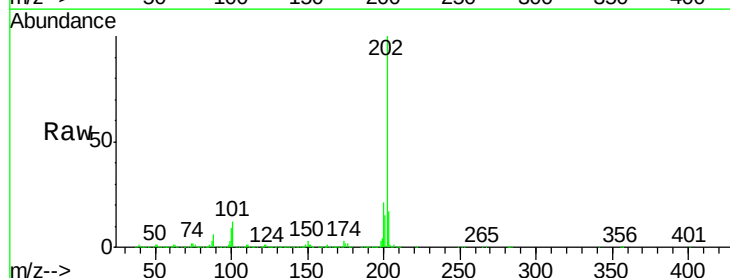
Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Tgt Ion:202 Resp: 3114906

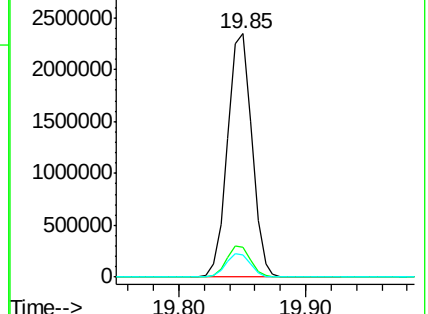
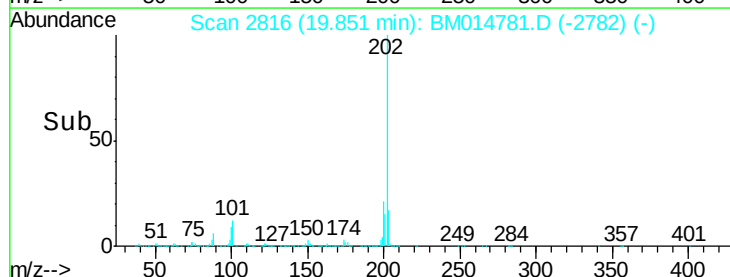
Ion	Ratio	Lower	Upper
202	100		
101	12.2	4.6	7.0#
100	9.4	3.4	5.2#

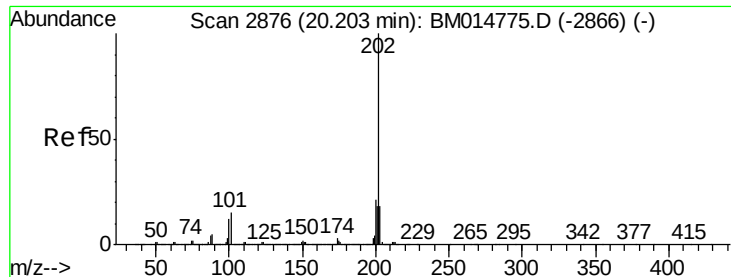


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 15.712 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Instrument :

BNA_M

ClientSampleId :

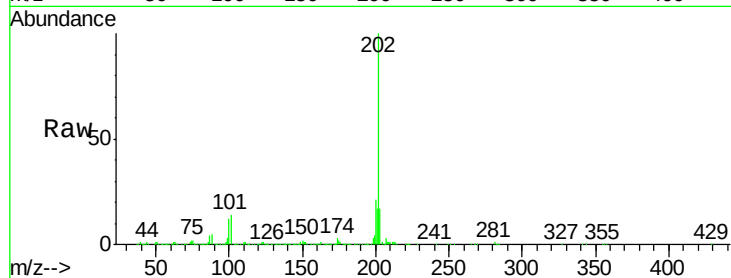
Tot Ion:202 Resp: 1265410

Ion Ratio Lower Upper

202 100

101 14.5 5.1 7.7#

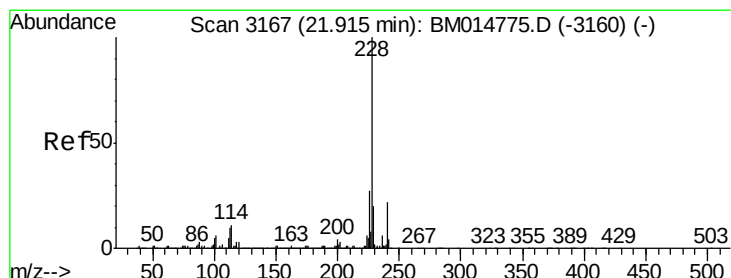
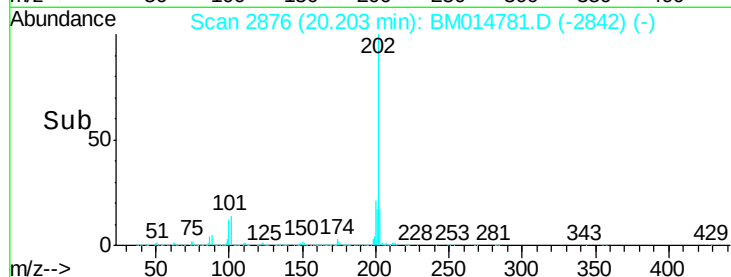
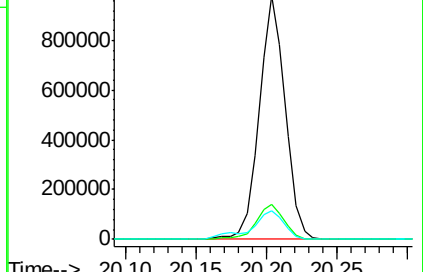
100 12.0 4.9 7.3#



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): B



#80

Benzo(a)anthracene

Concen: 15.017 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

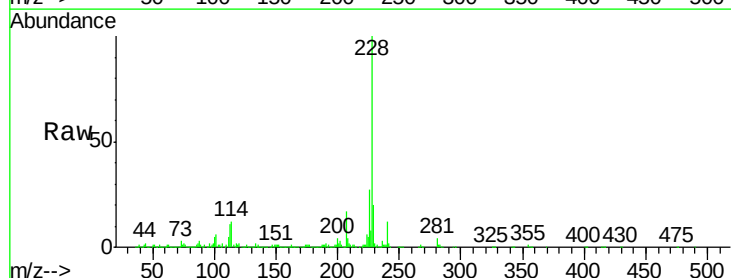
Tgt Ion:228 Resp: 1210481

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

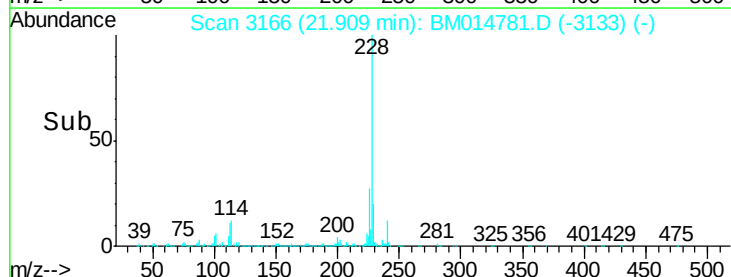
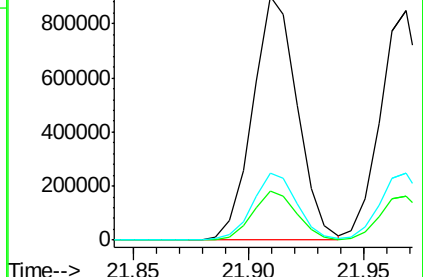
226 27.5 21.4 32.0

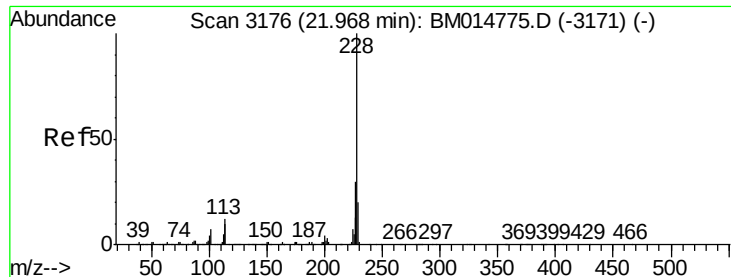


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



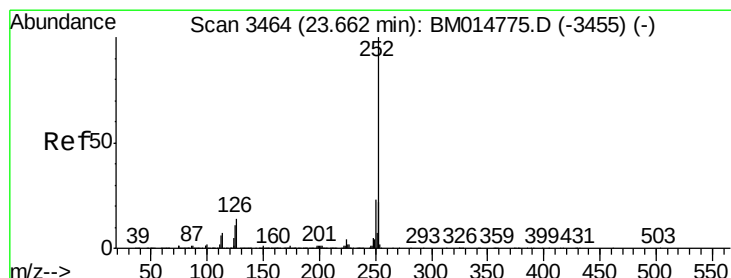
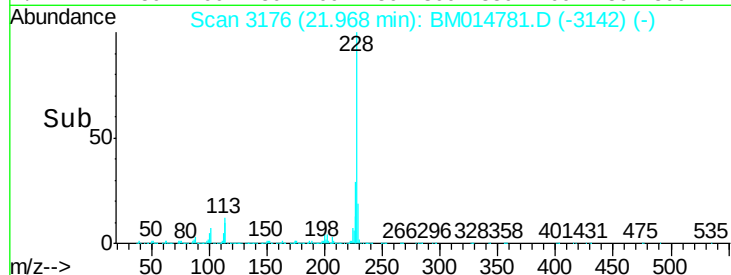
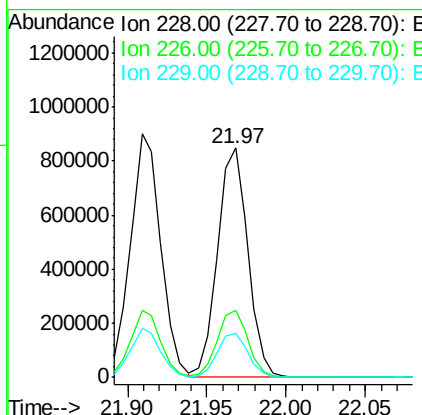
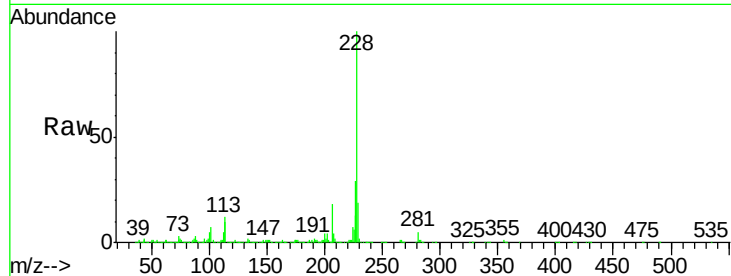


#82
 Chrysene
 Concen: 14.867 ng/ul
 RT: 21.97 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:228 Resp: 1121906

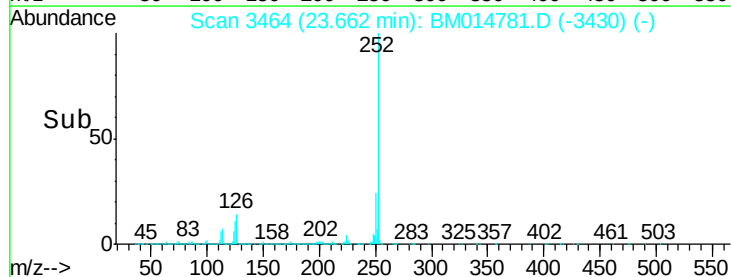
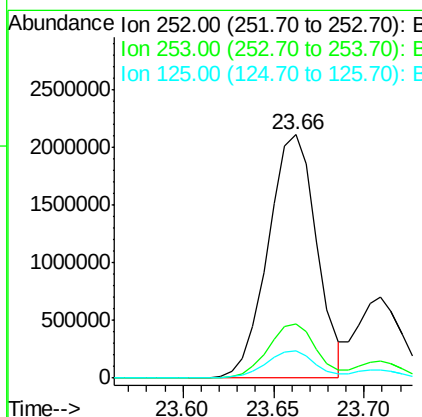
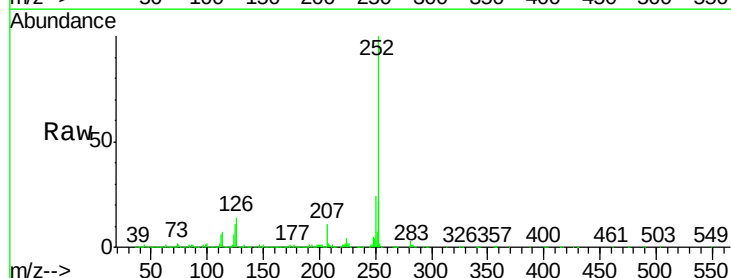
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	19.3	15.5	23.3

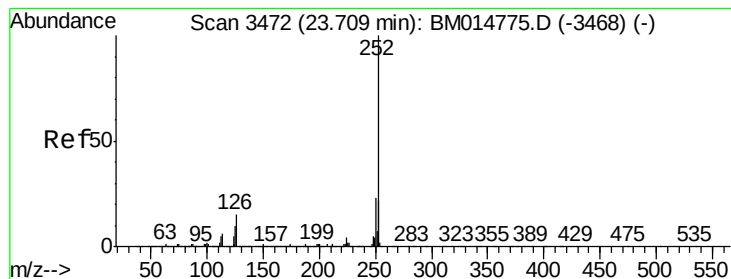


#85
 Benzo(b)fluoranthene
 Concen: 46.342 ng/ul
 RT: 23.66 min Scan# 3464
 Delta R.T. 0.00 min
 Lab File: BM014781.D
 Acq: 23 Apr 2018 18:12

Tgt Ion:252 Resp: 3949361

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	11.1	3.6	5.4





#86

Benzo(k)fluoranthene

Concen: 14.651 ng/ul

RT: 23.71 min Scan# 3472

Delta R.T. 0.00 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Instrument :

BNA_M

ClientSampleId :

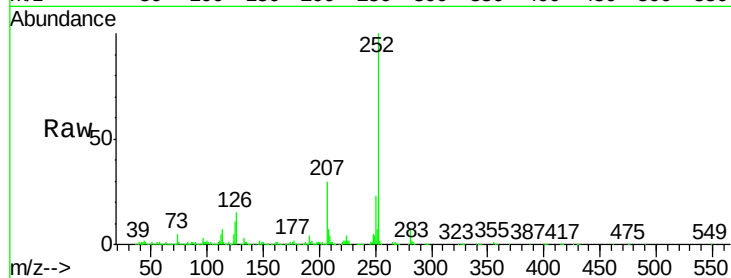
Tot Ion:252 Resp: 1200623

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

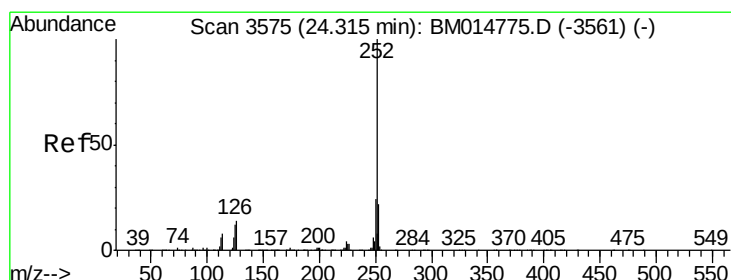
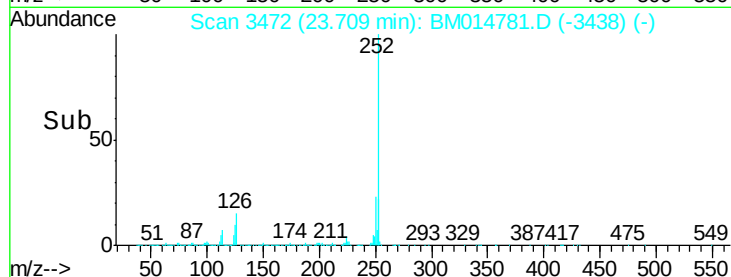
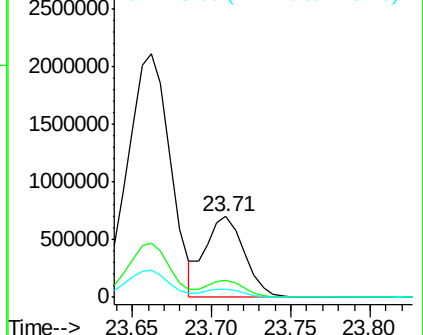
125 10.7 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 12.289 ng/ul

RT: 24.31 min Scan# 3574

Delta R.T. -0.01 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

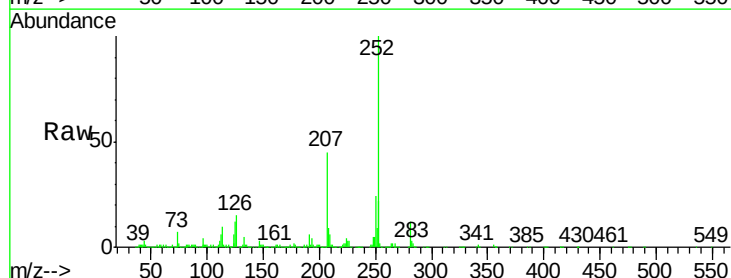
Tgt Ion:252 Resp: 993413

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

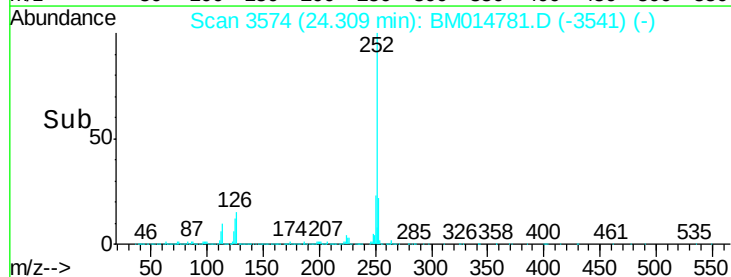
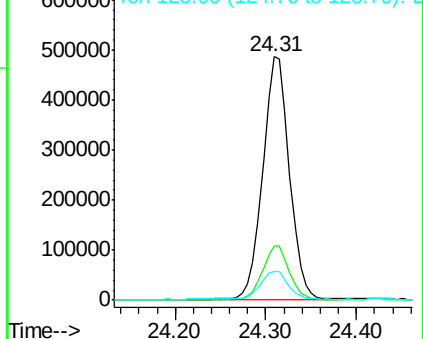
125 11.9 4.0 6.0#

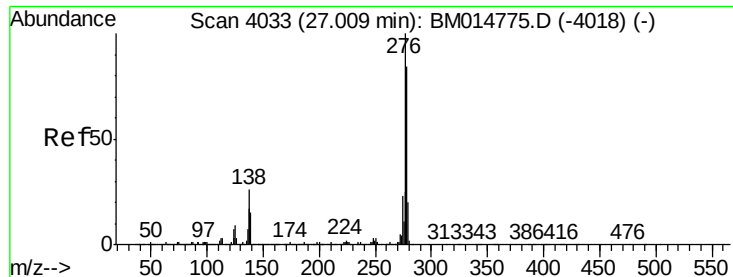


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



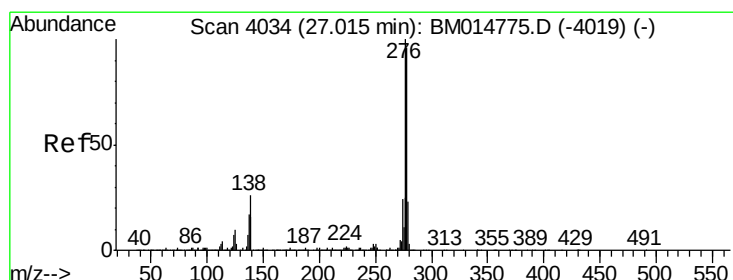
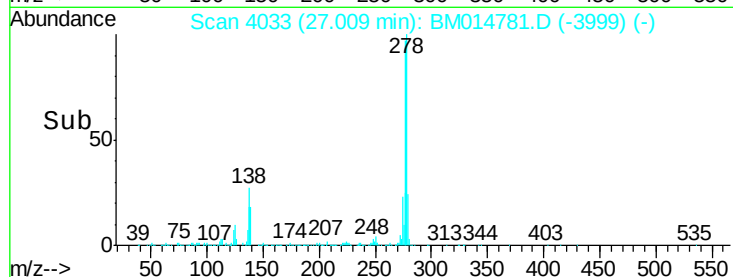
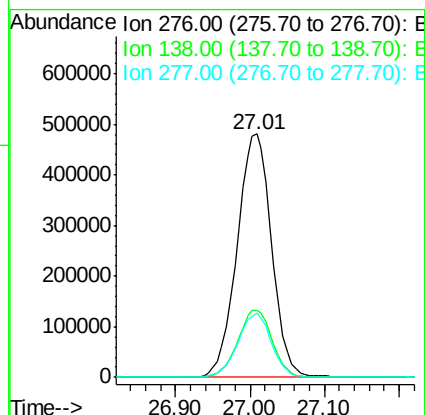
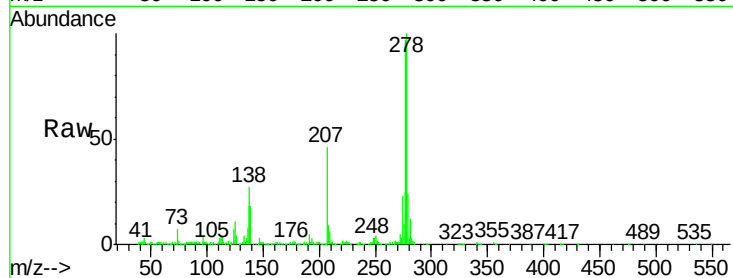


#89

Indeno(1,2,3-cd)pyrene
Concen: 15.776 ng/ul
RT: 27.01 min Scan# 4033
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :

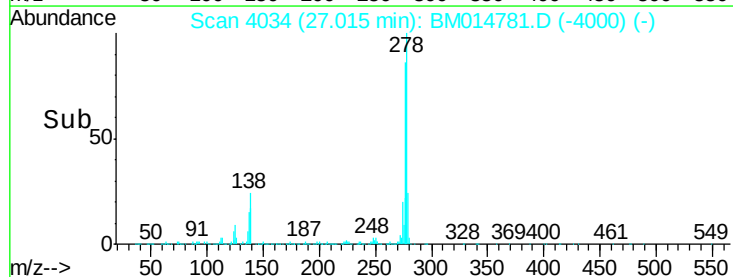
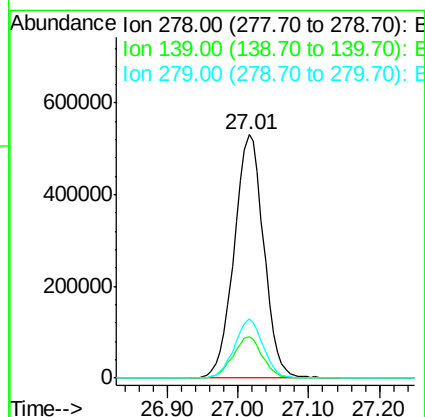
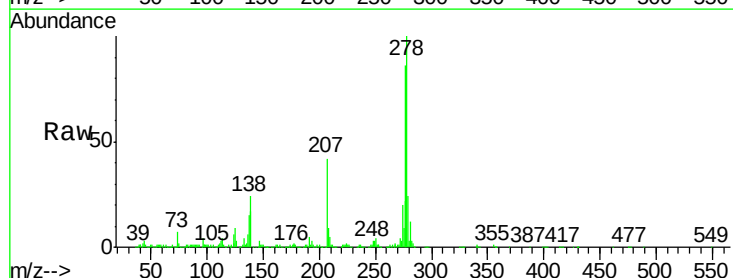
Tot Ion:276 Resp: 1542780
Ion Ratio Lower Upper
276 100
138 27.5 9.3 13.9#
277 26.3 19.9 29.9

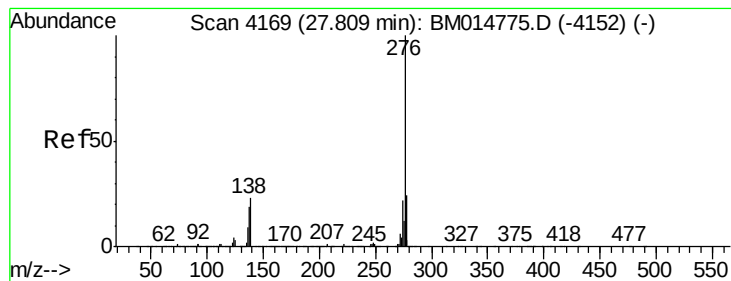


#90

Dibenzo(a,h)anthracene
Concen: 18.790 ng/ul
RT: 27.01 min Scan# 4034
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:278 Resp: 1547205
Ion Ratio Lower Upper
278 100
139 16.9 5.8 8.8#
279 24.3 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 16.635 ng/ul

RT: 27.80 min Scan# 4168

Delta R.T. -0.01 min

Lab File: BM014781.D

Acq: 23 Apr 2018 18:12

Instrument :

BNA_M

ClientSampleId :

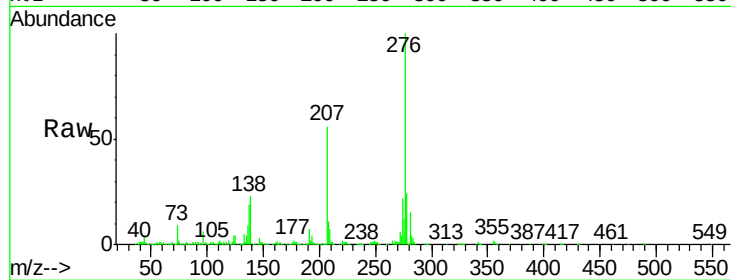
Tot Ion:276 Resp: 1338366

Ion Ratio Lower Upper

276 100

138 23.0 8.5 12.7#

277 23.6 18.6 28.0



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

