

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012849.D
 Acq On : 09 Nov 2017 12:05
 Operator : SJ/JU
 Sample : I6096-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 09 13:55:55 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 05:48:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	135425	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	525181	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	274239	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	496298	20.00	ng/ul	0.11
77) Chrysene-d12	21.62	240	5503	20.00	ng/ul	0.25
85) Perylene-d12	23.93	264	17276	20.00	ng/ul	0.28

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	7476	2.98	ng/uL	0.00
5) Phenol-d5	6.99	99	173129	17.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	109384	20.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	161758	19.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	103612	11.91	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	81994	21.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	86215	19.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	167045	18.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	44300	5.04	ng/ul	0.01
43) Dimethylphthalate-d6	13.85	166	494788	21.80	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	576307	20.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	44286	12.18	ng/ul	0.01
57) Fluorene-d10	15.44	176	381396	19.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	3781	1.15	ng/ul	0.01
70) Anthracene-d10	17.29	188	496298	20.70	ng/ul	0.00
78) Pyrene-d10	19.82	212	161	0.63	ng/ul	0.24
89) Benzo(a)pyrene-d12	23.82	264	7871	9.64	ng/ul	0.31

Target Compounds

					Ovalue
6) Phenol	7.01	94	31905	3.084	ng/ul 97
28) Naphthalene	10.64	128	48001	1.828	ng/ul 100
34) 2-Methylnaphthalene	12.26	142	22353	1.114	ng/ul 89
44) Dimethylphthalate	13.90	163	318804	14.157	ng/ul 98
47) Acenaphthylene	14.16	152	38402	1.411	ng/ul# 95
49) Acenaphthene	14.50	153	66986	3.614	ng/ul 94
53) Dibenzofuran	14.84	168	63984	2.367	ng/ul 91
58) Fluorene	15.49	166	67385	3.001	ng/ul 98
69) Phenanthrene	17.32	178	327898	12.088	ng/ul 97
71) Anthracene	17.32	178	324775	11.547	ng/ul 98
74) Carbazole	17.60	167	63896	2.724	ng/ul 96
76) Fluoranthene	19.26	202	2819025	86.480	ng/ul# 93
79) Pyrene	19.85	202	27176	82.771	ng/ul# 60
80) Butylbenzylphthalate	20.74	149	303	2.531	ng/ul# 48
81) 3,3'-Dichlorobenzidine	21.54	252	9701	79.703	ng/ul# 1
82) Benzo(a)anthracene	21.53	228	161131	483.881	ng/ul# 50
83) Bis(2-ethylhexyl)phthalate	21.52	149	855	4.902	ng/ul# 46
84) Chrysene	21.67	228	1992	6.601	ng/ul# 1
86) Di-n-octyl phthalate	22.43	149	1970	2.168	ng/ul# 1
87) Benzo(b)fluoranthene	23.20	252	6113	5.790	ng/ul# 1
88) Benzo(k)fluoranthene	23.36	252	28457	28.357	ng/ul# 1
90) Benzo(a)pyrene	23.72	252	409341	407.467	ng/ul# 92
91) Indeno(1,2,3-cd)pyrene	26.26	276	72028	59.490	ng/ul# 70

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012849.D
Acq On : 09 Nov 2017 12:05
Operator : SJ/JU
Sample : I6096-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Nov 09 13:55:55 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 05:48:58 2017
Response via : Initial Calibration

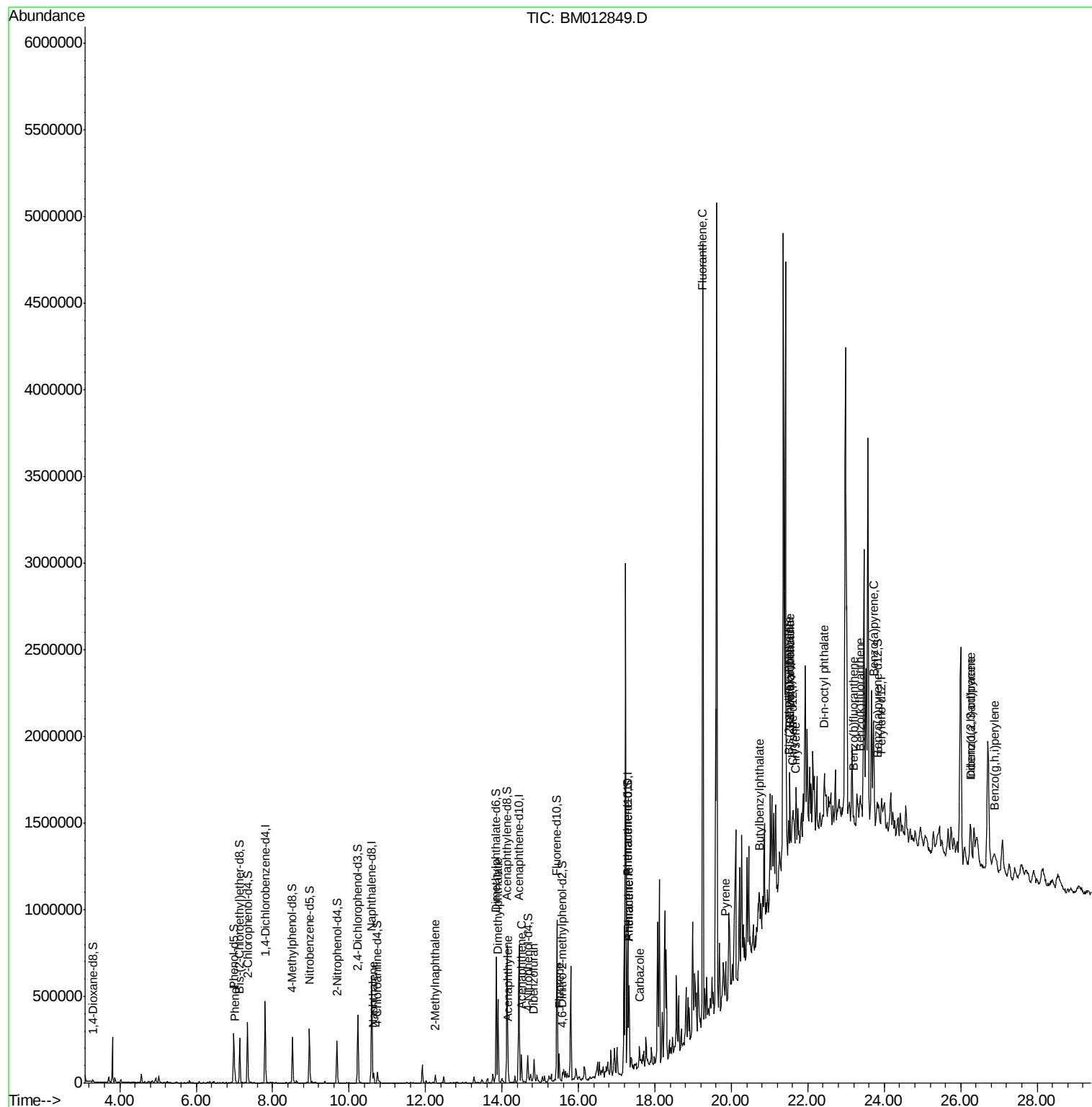
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	26.26	278	280520	273.693	ng/ul#	90
93) Benzo(g,h,i)perylene	26.90	276	6008	6.022	ng/ul#	4

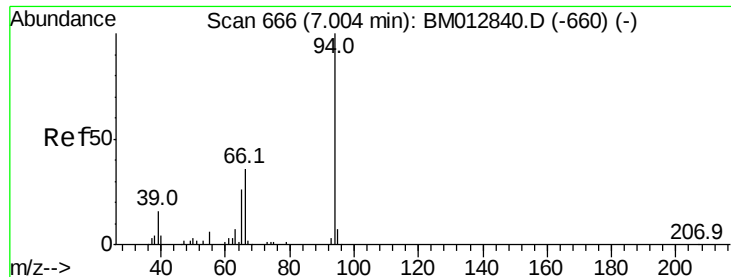
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012849.D
Acq On : 09 Nov 2017 12:05
Operator : SJ/JU
Sample : I6096-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Nov 09 13:55:55 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 05:48:58 2017
Response via : Initial Calibration





#6

Phenol

Concen: 3.084 ng/ul

RT: 7.01 min Scan# 667

Delta R.T. 0.01 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampled :

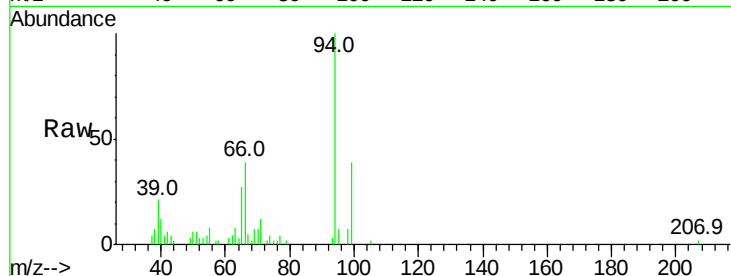
Tot Ion: 94 Resp: 31905

Ion Ratio Lower Upper

94 100

65 27.2 21.0 31.6

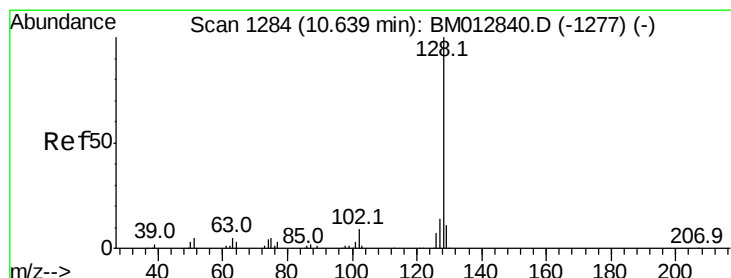
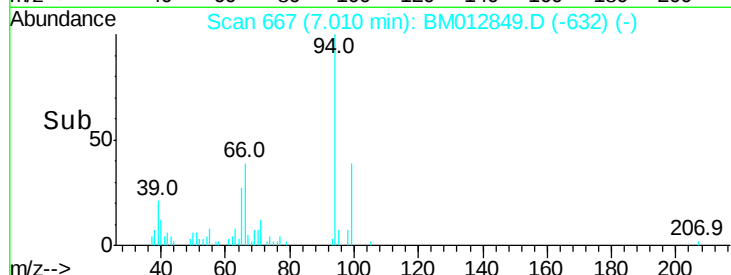
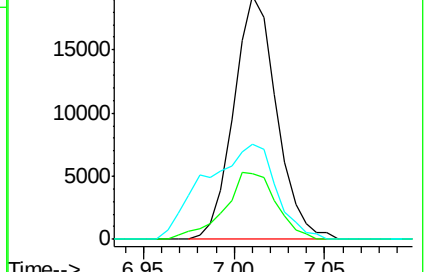
66 39.1 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM012849.D (-632) (-)

Ion 65.00 (64.70 to 65.70): BM012849.D (-632) (-)

Ion 66.00 (65.70 to 66.70): BM012849.D (-632) (-)



#28

Naphthalene

Concen: 1.828 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

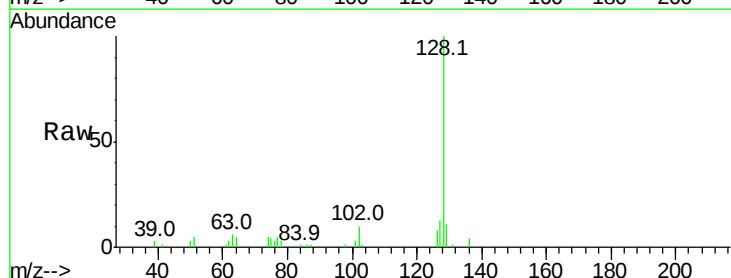
Tgt Ion: 128 Resp: 48001

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

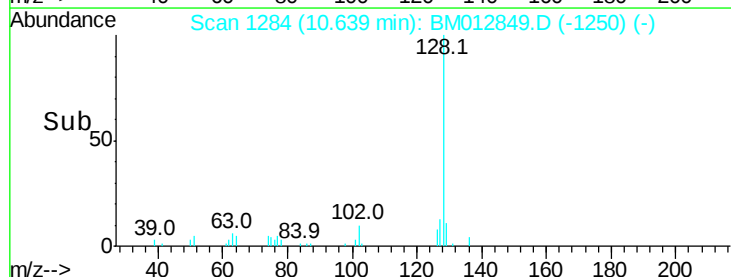
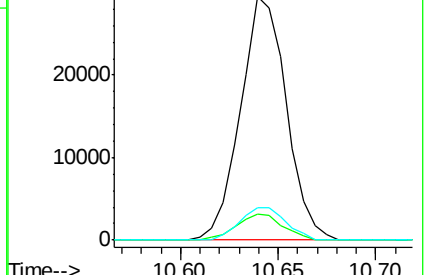
127 13.2 10.5 15.7

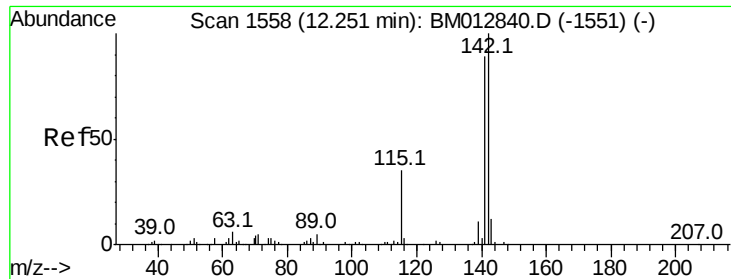


Abundance Ion 128.00 (127.70 to 128.70): BM012849.D (-1250) (-)

Ion 129.00 (128.70 to 129.70): BM012849.D (-1250) (-)

Ion 127.00 (126.70 to 127.70): BM012849.D (-1250) (-)

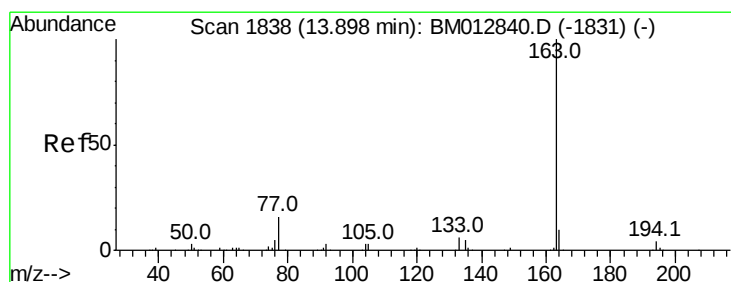
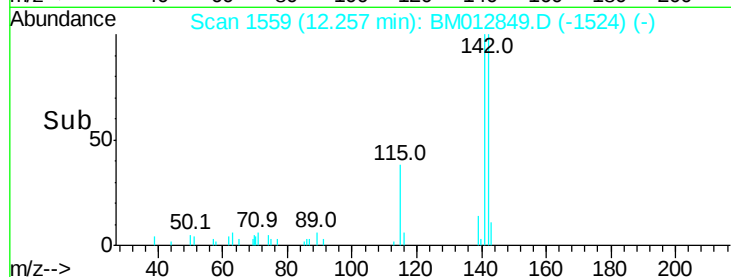
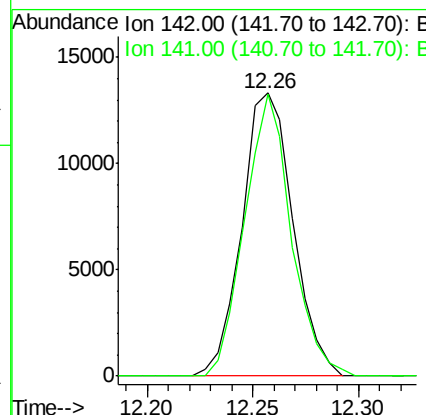
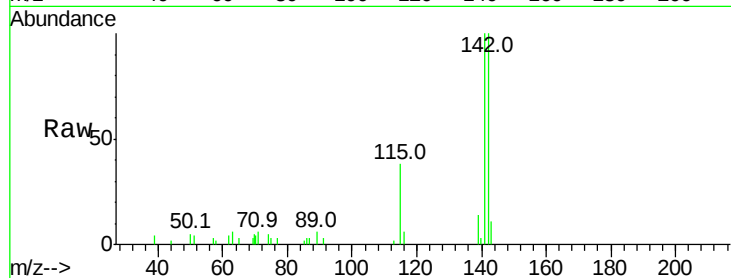




#34
2-Methylnaphthalene
Concen: 1.114 ng/ul
RT: 12.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

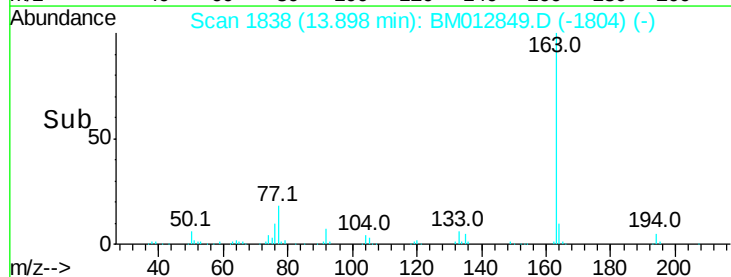
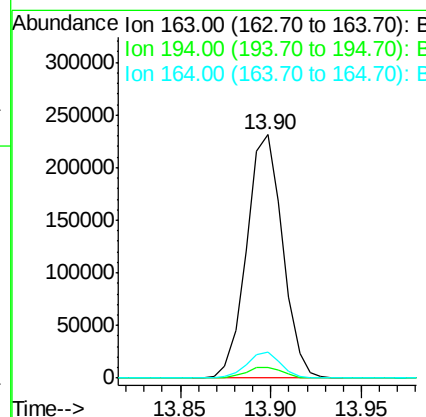
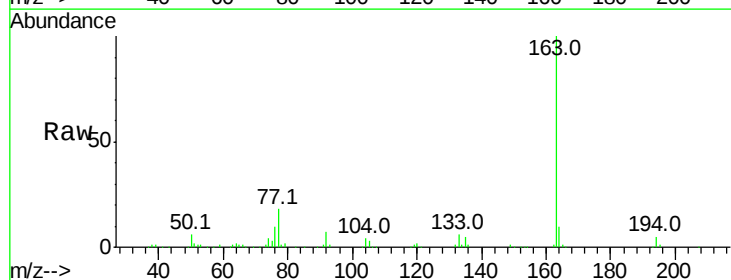
Instrument :
BNA_M
ClientSampled :

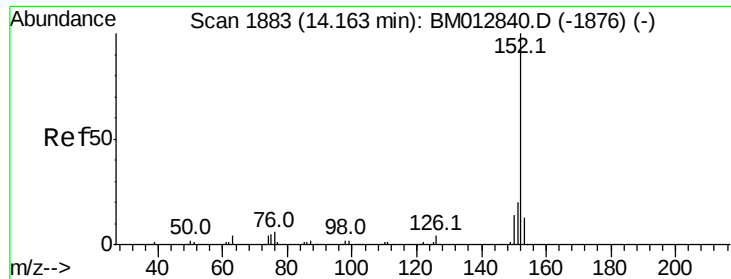
Tot Ion:142 Resp: 22353
Ion Ratio Lower Upper
142 100
141 99.5 71.6 107.4



#44
Dimethylphthalate
Concen: 14.157 ng/ul
RT: 13.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Tgt Ion:163 Resp: 318804
Ion Ratio Lower Upper
163 100
194 4.6 3.2 4.8
164 10.5 7.8 11.8





#47

Acenaphthylene

Concen: 1.411 ng/ul

RT: 14.16 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampleId :

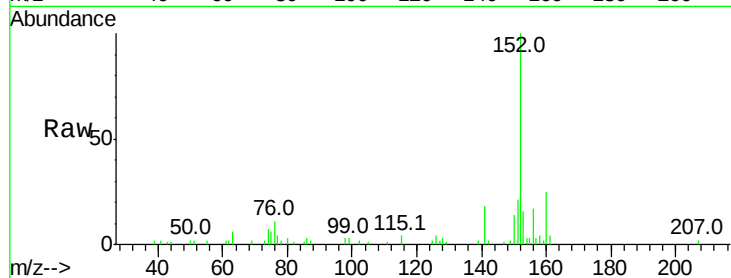
Tot Ion:152 Resp: 38402

Ion Ratio Lower Upper

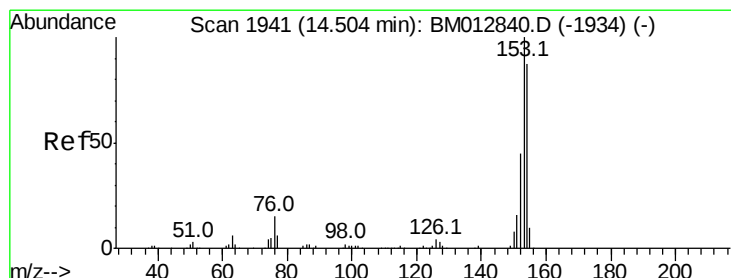
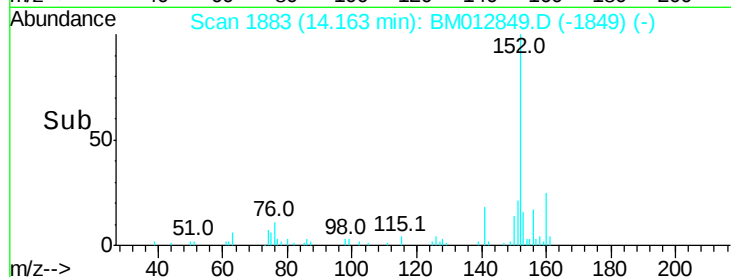
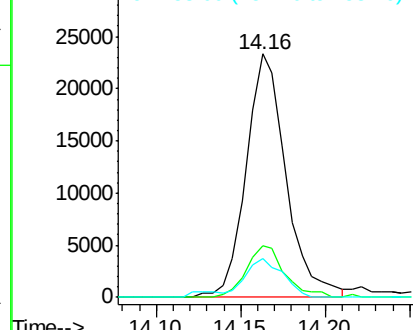
152 100

151 21.2 15.7 23.5

153 16.1 10.5 15.7#



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: 3.614 ng/ul

RT: 14.50 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

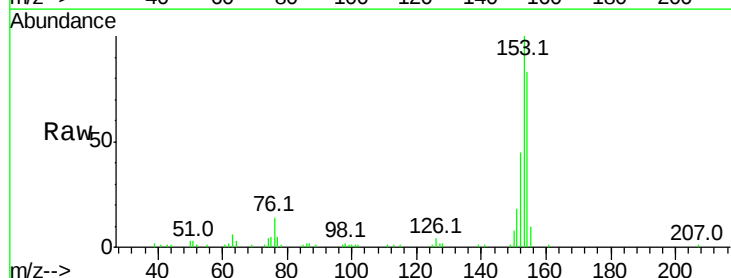
Tgt Ion:153 Resp: 66986

Ion Ratio Lower Upper

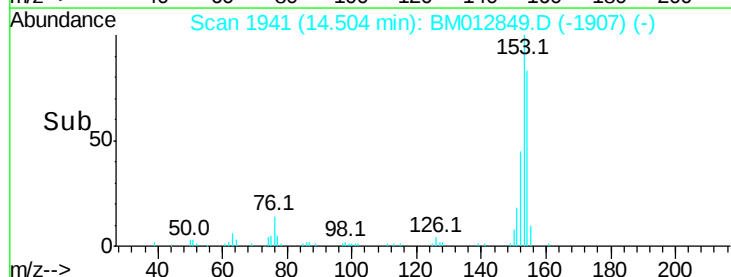
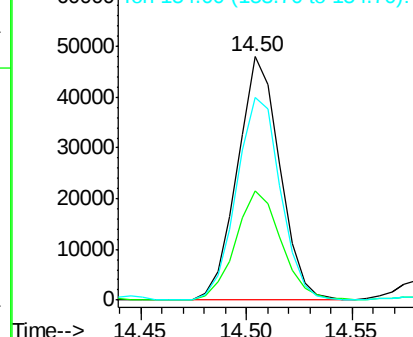
153 100

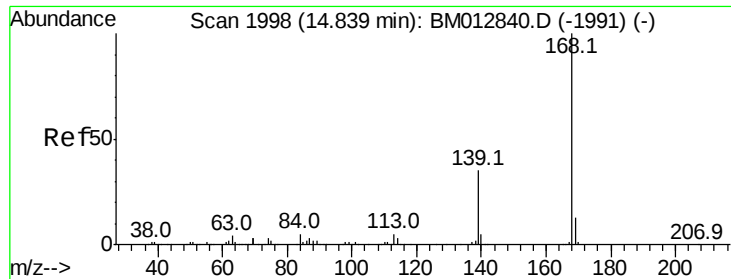
152 44.9 38.3 57.5

154 83.2 71.8 107.8



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





#53

Dibenzenofuran

Concen: 2.367 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

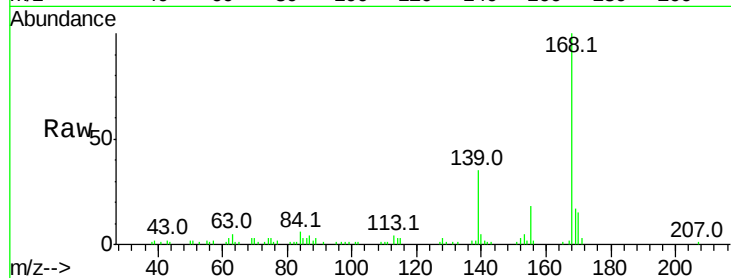
ClientSampleId :

Tot Ion:168 Resp: 63984

Ion Ratio Lower Upper

168 100

139 34.8 32.2 48.2

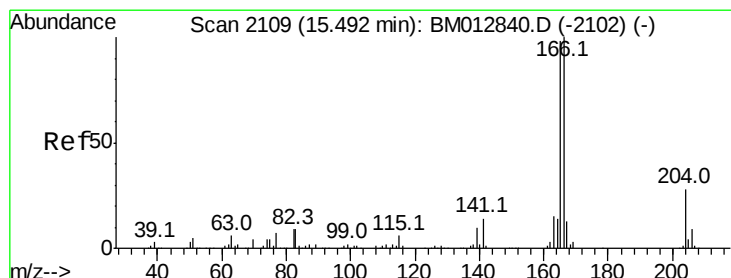
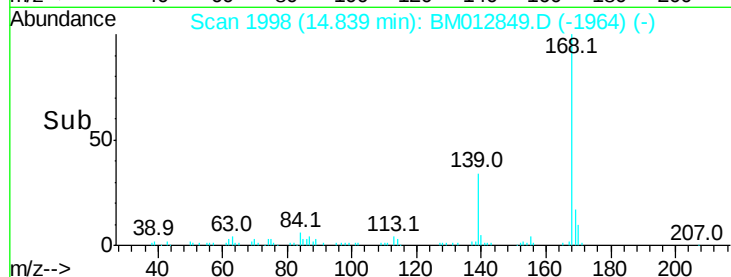


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.84

Time-->



#58

Fluorene

Concen: 3.001 ng/ul

RT: 15.49 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

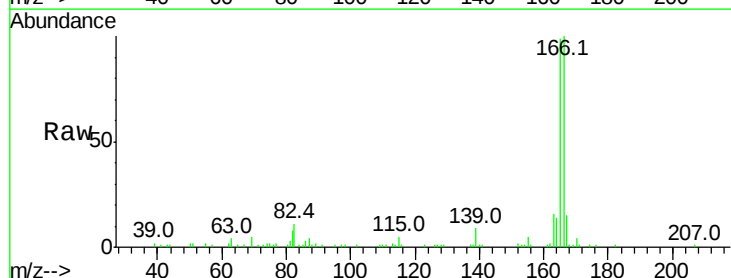
Tgt Ion:166 Resp: 67385

Ion Ratio Lower Upper

166 100

165 99.4 78.5 117.7

167 14.9 10.7 16.1



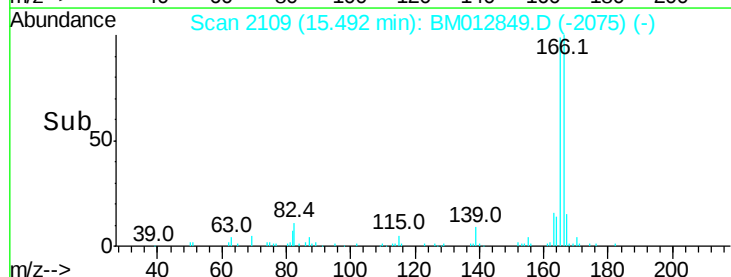
Abundance Ion 166.00 (165.70 to 166.70): E

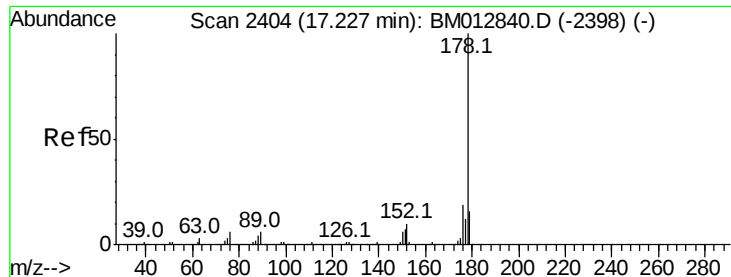
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.49

Time-->





#69

Phenanthrene

Concen: 12.088 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.09 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampleId :

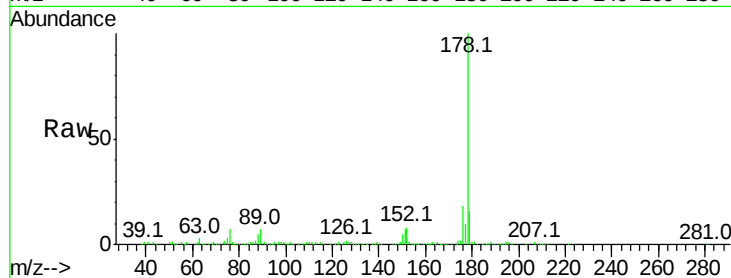
Tot Ion:178 Resp: 327898

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

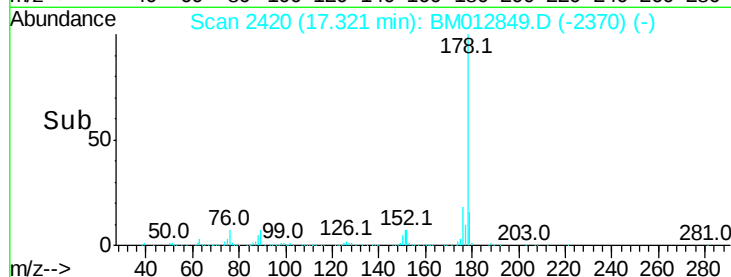
176 18.1 15.6 23.4



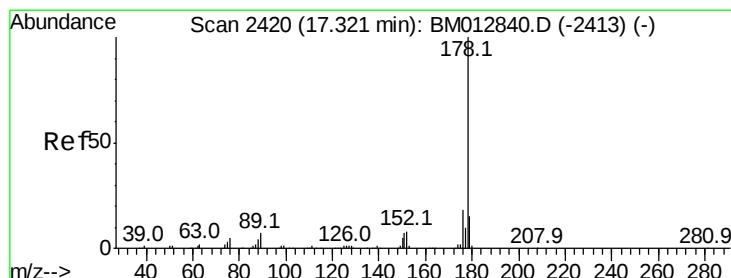
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 11.547 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

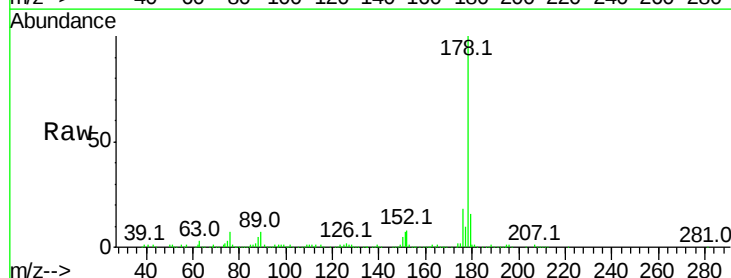
Tgt Ion:178 Resp: 324775

Ion Ratio Lower Upper

178 100

179 16.0 12.1 18.1

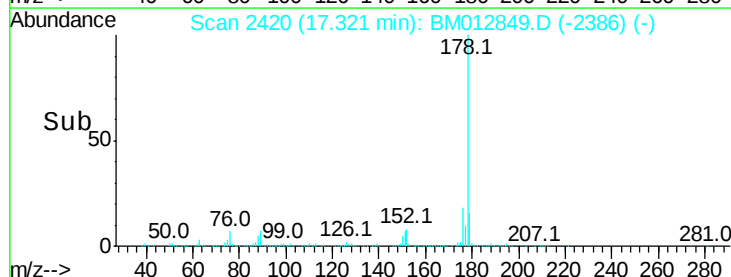
176 18.1 14.8 22.2



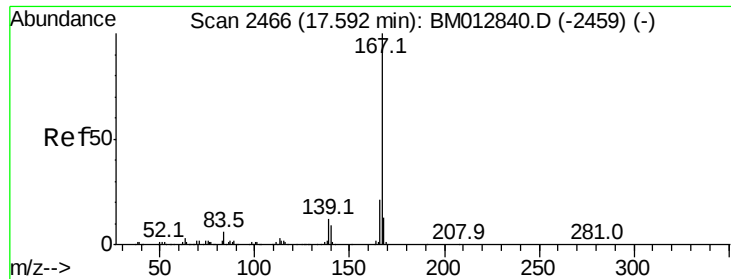
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



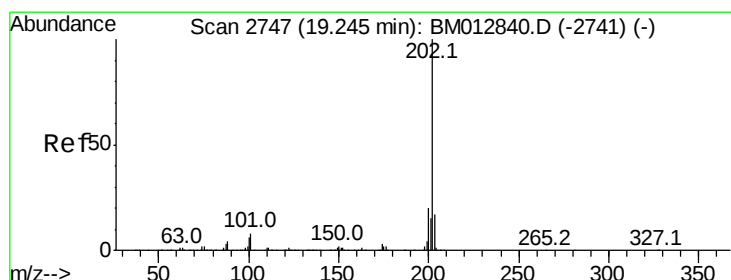
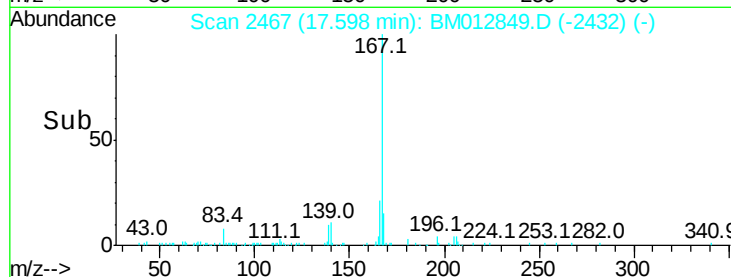
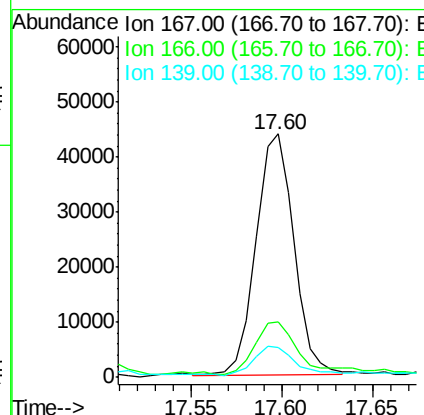
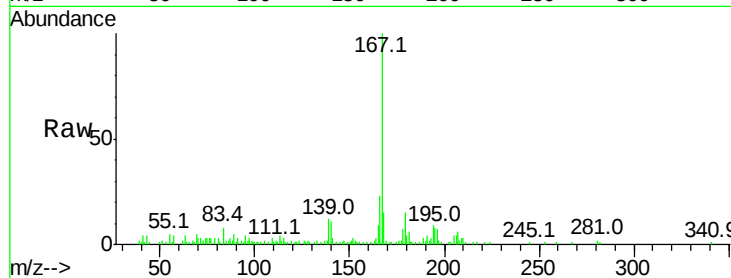
Time-->



#74
 Carbazole
 Concen: 2.724 ng/ul
 RT: 17.60 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BM012849.D
 Acq: 09 Nov 2017 12:05

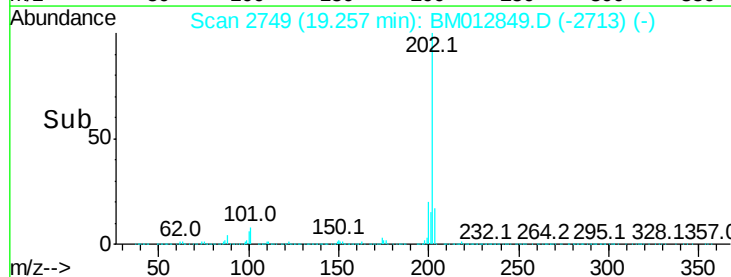
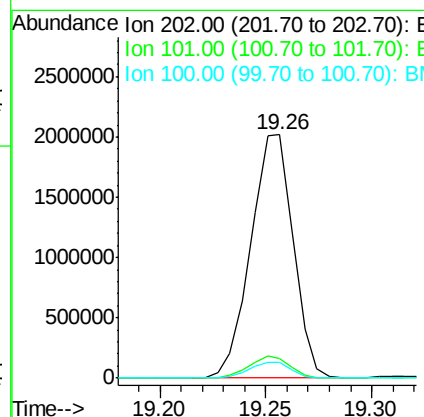
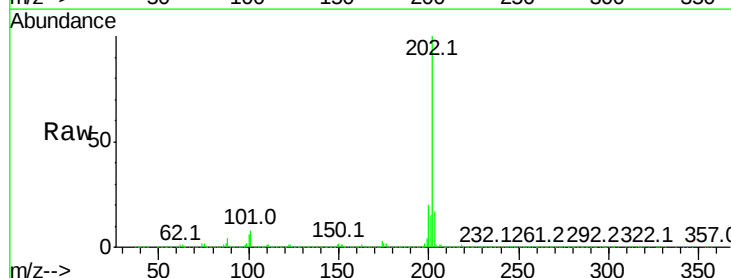
Instrument :
 BNA_M
 ClientSampleId :

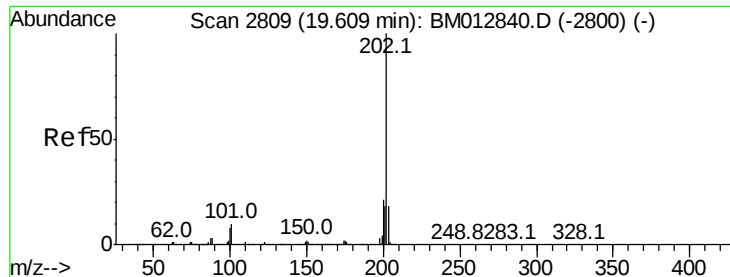
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	12.0	11.0	16.4



#76
 Fluoranthene
 Concen: 86.480 ng/ul
 RT: 19.26 min Scan# 2749
 Delta R.T. 0.01 min
 Lab File: BM012849.D
 Acq: 09 Nov 2017 12:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	8.8	13.2#
100	6.2	6.6	9.8#





#79

Pvrene

Concen: 82.771 ng/ul

RT: 19.85 min Scan# 2850

Delta R.T. 0.24 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampled :

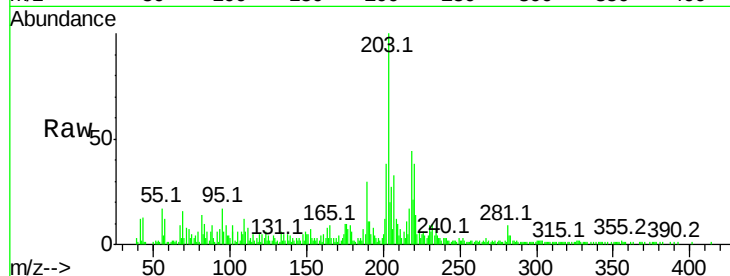
Tot Ion:202 Resp: 27176

Ion Ratio Lower Upper

202 100

101 39.3 10.2 15.2#

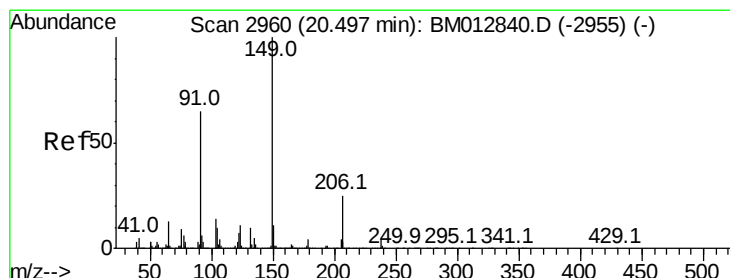
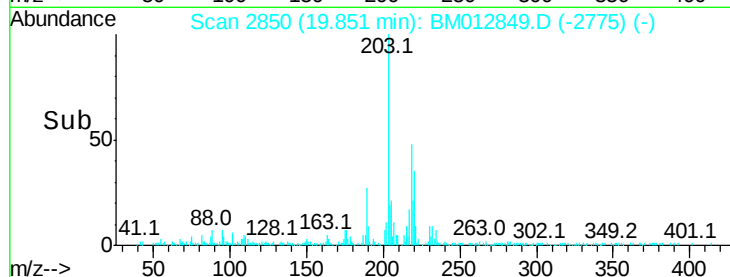
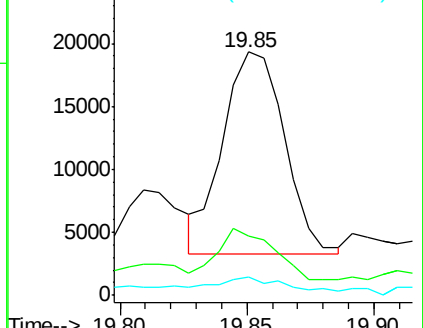
100 7.7 8.5 12.7#



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

Butylbenzylphthalate

Concen: 2.531 ng/ul

RT: 20.74 min Scan# 3002

Delta R.T. 0.25 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

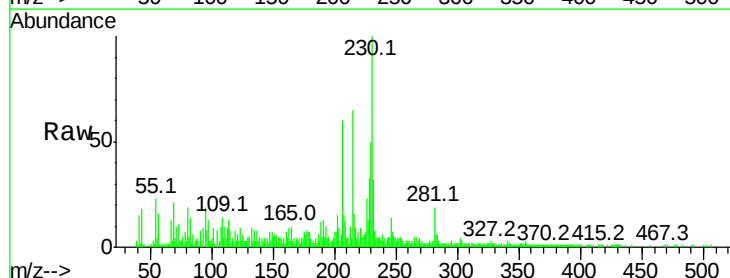
Tgt Ion:149 Resp: 303

Ion Ratio Lower Upper

149 100

91 109.7 53.4 80.2#

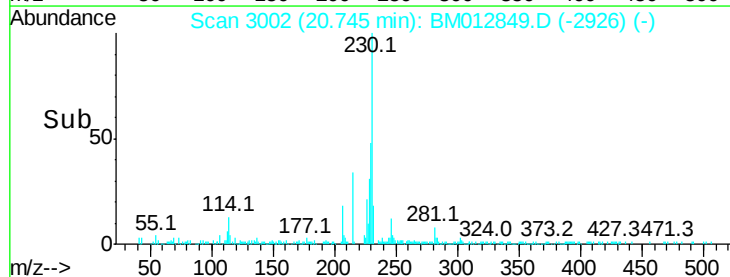
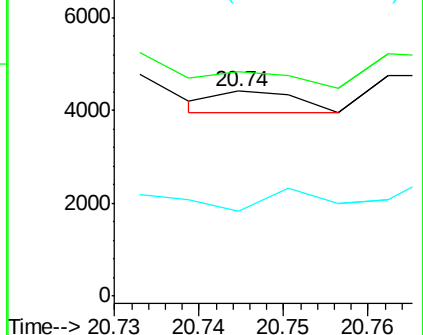
206 41.6 16.6 24.8#

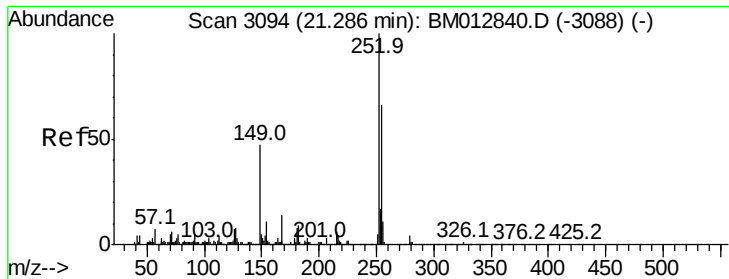


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E



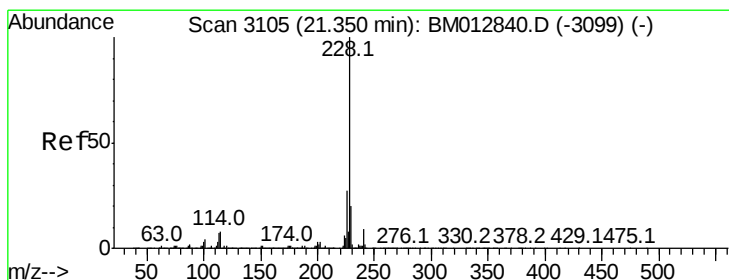
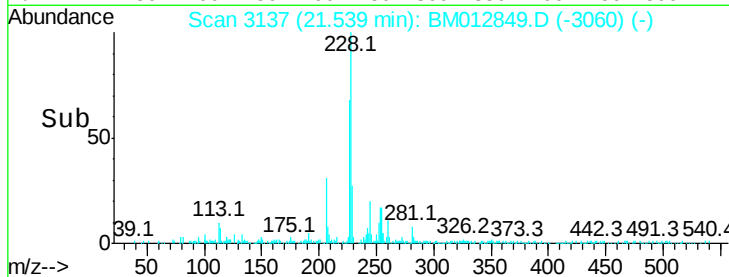
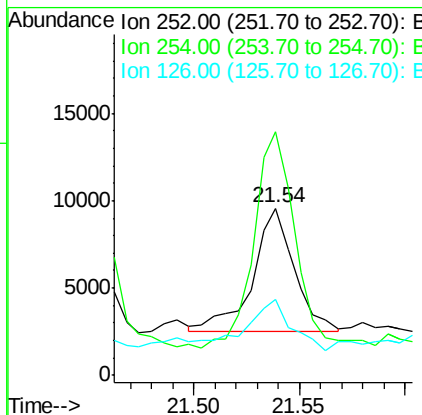
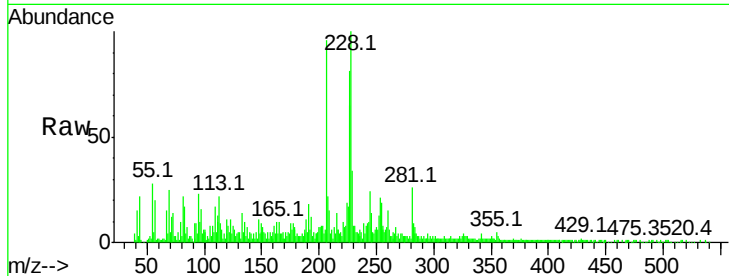


#81

3,3'-Dichlorobenzidine
Concen: 79.703 ng/ul
RT: 21.54 min Scan# 3137
Delta R.T. 0.25 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Instrument :
BNA_M
ClientSampleId :

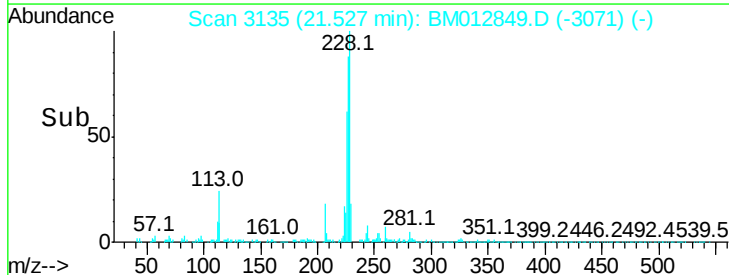
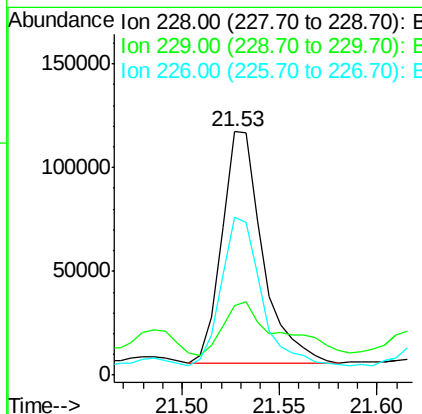
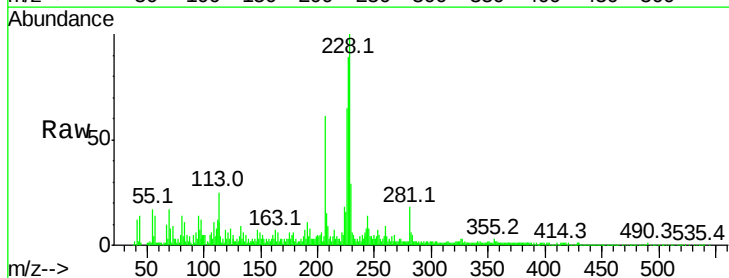
Tot Ion:252 Resp: 9701
Ion Ratio Lower Upper
252 100
254 145.7 52.2 78.2#
126 45.8 9.4 14.2#

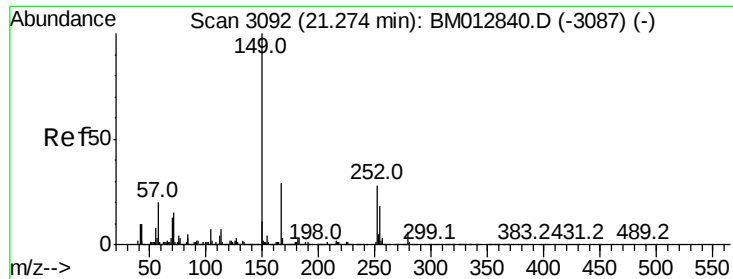


#82

Benzo(a)anthracene
Concen: 483.881 ng/ul
RT: 21.53 min Scan# 3135
Delta R.T. 0.18 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Tgt Ion:228 Resp: 161131
Ion Ratio Lower Upper
228 100
229 28.7 15.7 23.5#
226 64.8 21.8 32.6#





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.902 ng/ul

RT: 21.52 min Scan# 3133

Delta R.T. 0.24 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampled :

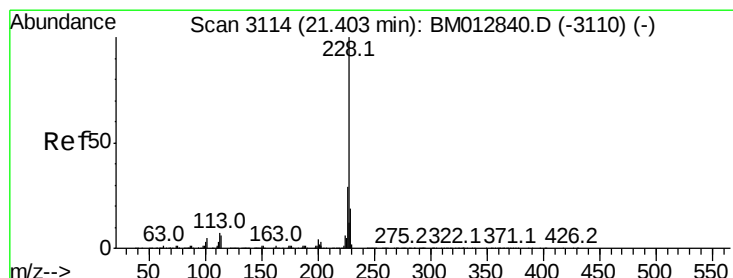
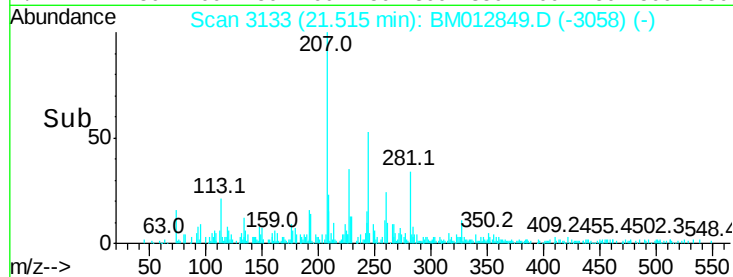
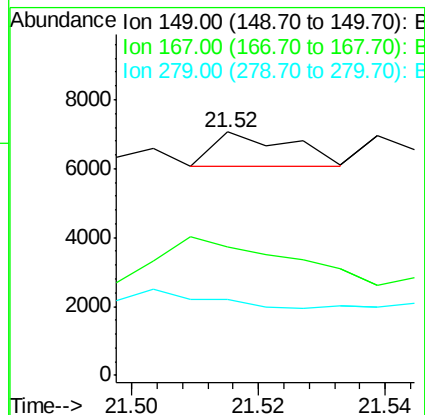
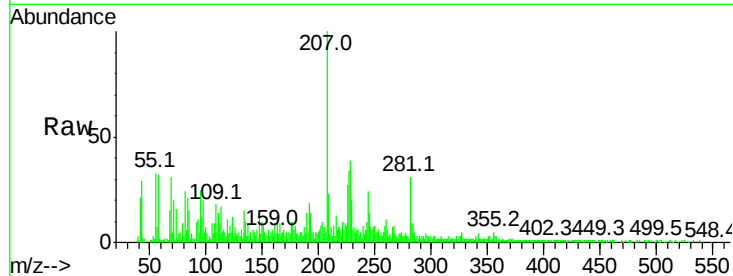
Tot Ion:149 Resp: 855

Ion Ratio Lower Upper

149 100

167 52.7 21.6 32.4#

279 31.1 3.0 4.4#



#84

Chrysene

Concen: 6.601 ng/ul

RT: 21.67 min Scan# 3160

Delta R.T. 0.27 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

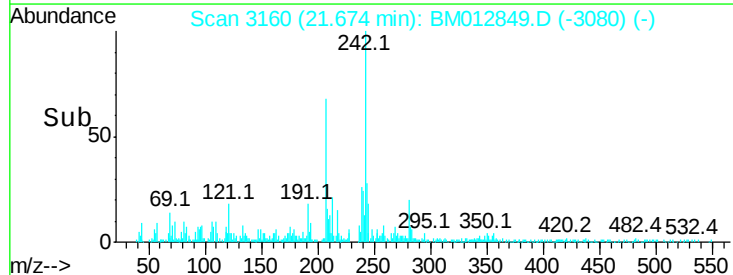
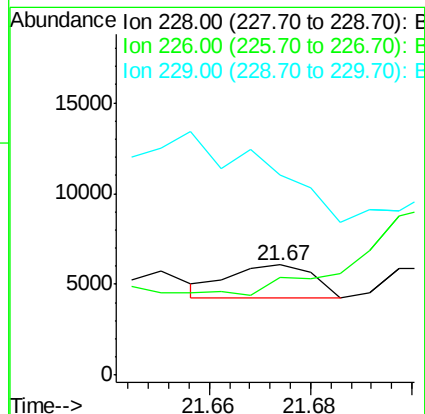
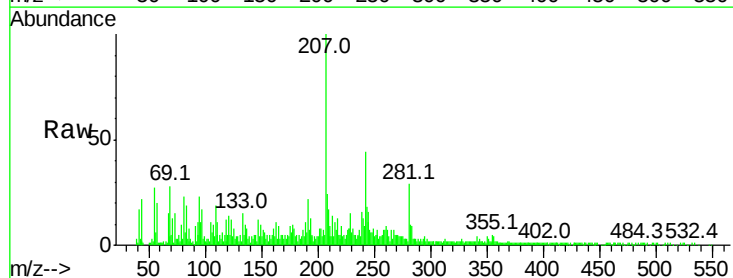
Tgt Ion:228 Resp: 1992

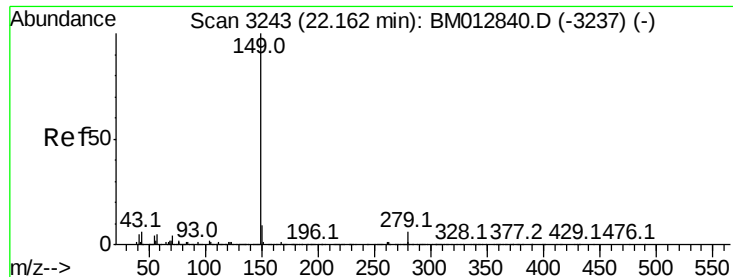
Ion Ratio Lower Upper

228 100

226 88.3 24.0 36.0#

229 182.6 15.6 23.4#





#86

Di-n-octyl phthalate

Concen: 2.168 ng/ul

RT: 22.43 min Scan# 3288

Delta R.T. 0.26 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampleId :

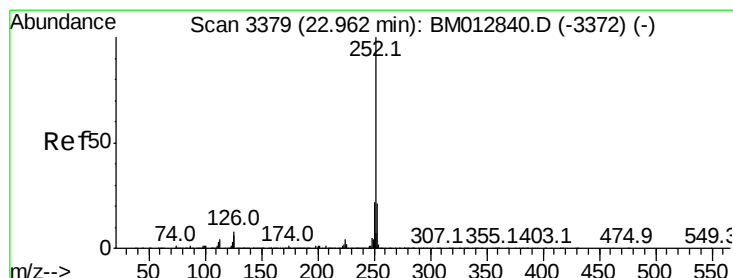
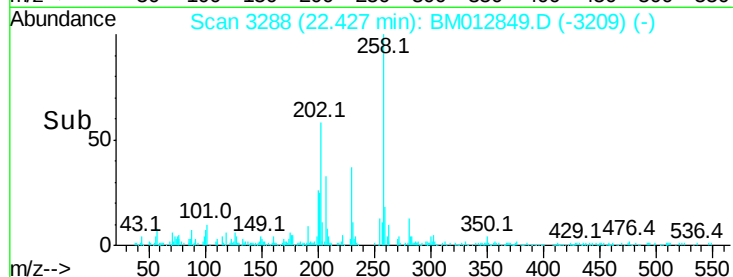
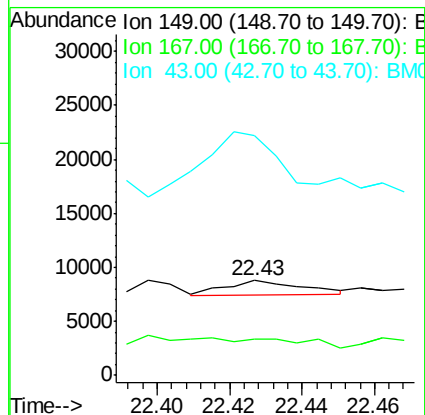
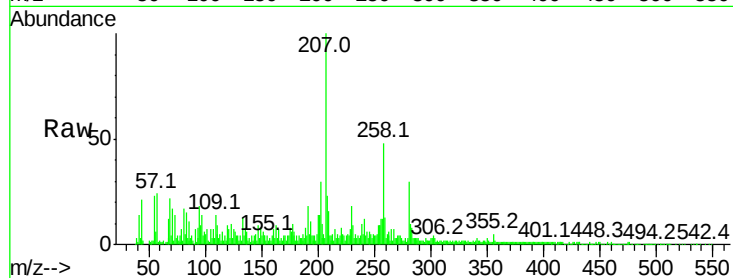
Tot Ion:149 Resp: 1970

Ion Ratio Lower Upper

149 100

167 37.8 1.2 1.8#

43 252.8 5.6 8.4#



#87

Benzo(b)fluoranthene

Concen: 5.790 ng/ul

RT: 23.20 min Scan# 3420

Delta R.T. 0.24 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

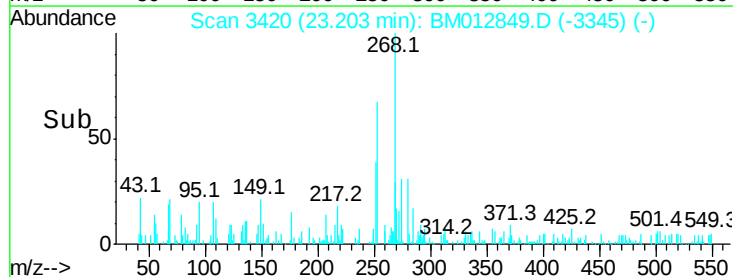
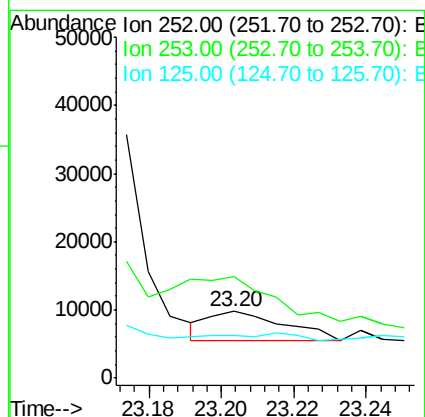
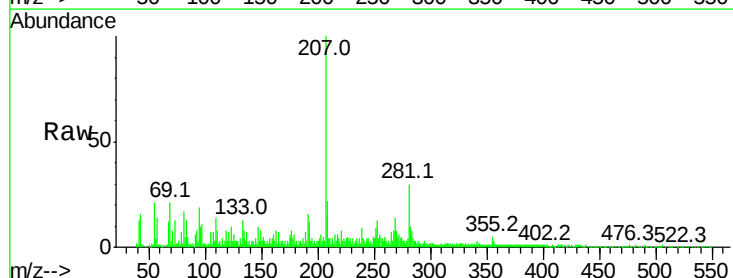
Tgt Ion:252 Resp: 6113

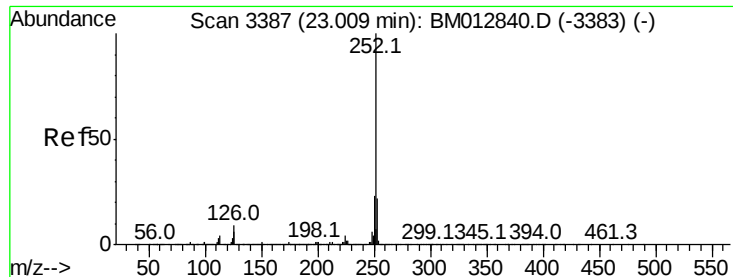
Ion Ratio Lower Upper

252 100

253 151.9 17.5 26.3#

125 63.3 8.5 12.7#





#88

Benzo(k)fluoranthene

Concen: 28.357 ng/ul

RT: 23.36 min Scan# 3447

Delta R.T. 0.35 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampleId :

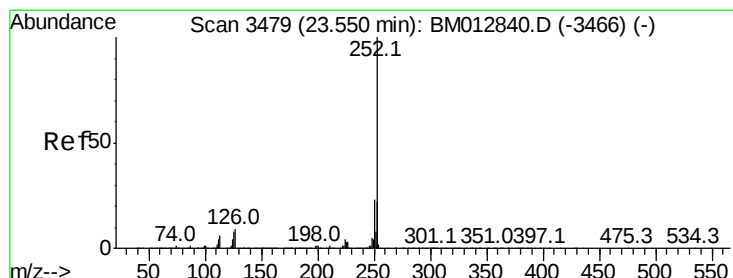
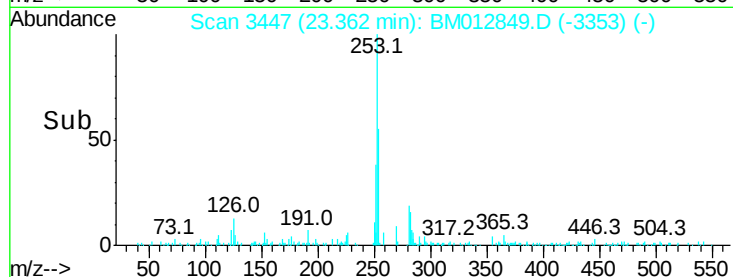
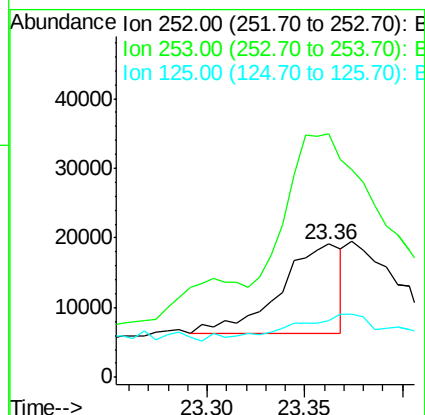
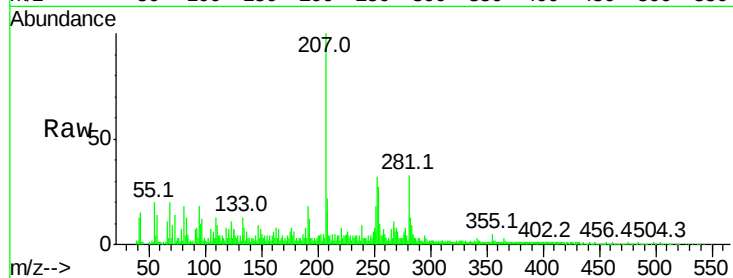
Tot Ion:252 Resp: 28457

Ion Ratio Lower Upper

252 100

253 182.8 17.3 25.9#

125 42.3 8.2 12.2#



#90

Benzo(a)pyrene

Concen: 407.467 ng/ul

RT: 23.72 min Scan# 3507

Delta R.T. 0.16 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

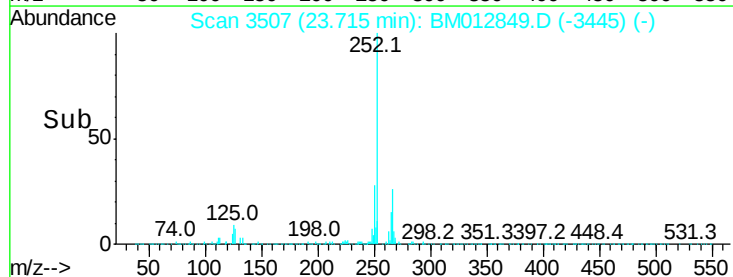
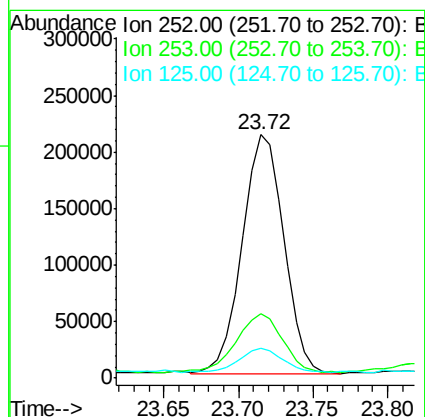
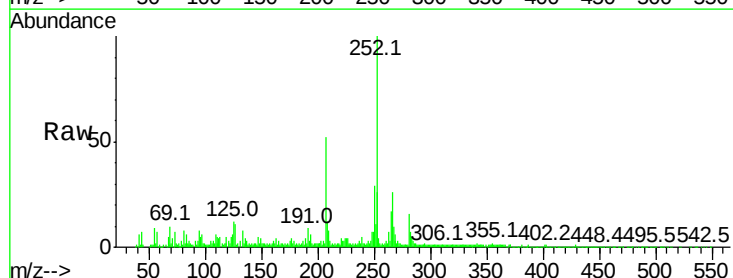
Tgt Ion:252 Resp: 409341

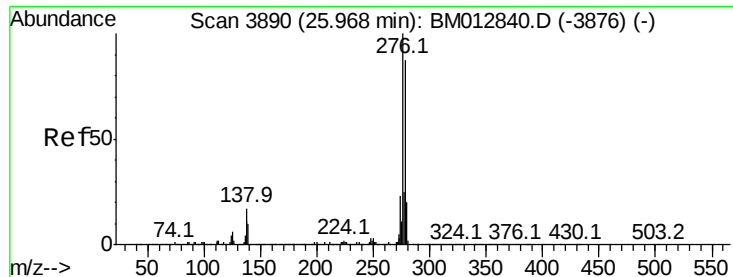
Ion Ratio Lower Upper

252 100

253 26.5 17.2 25.8#

125 12.3 9.0 13.6



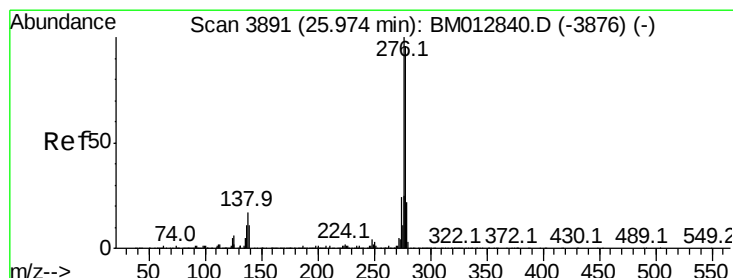
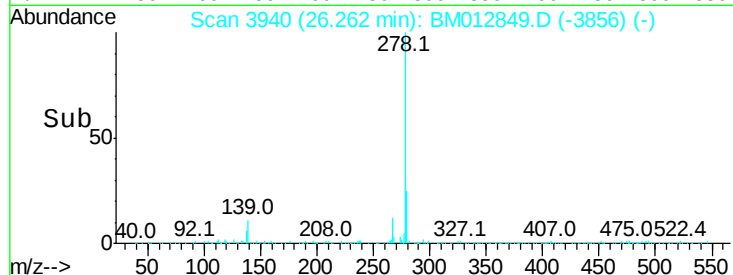
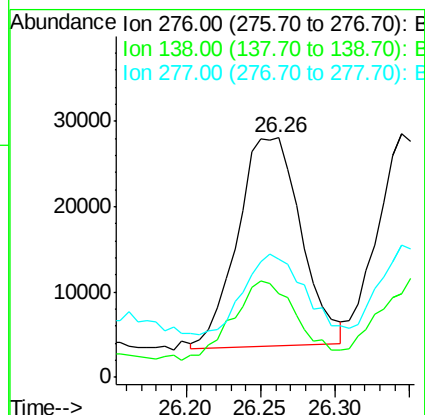
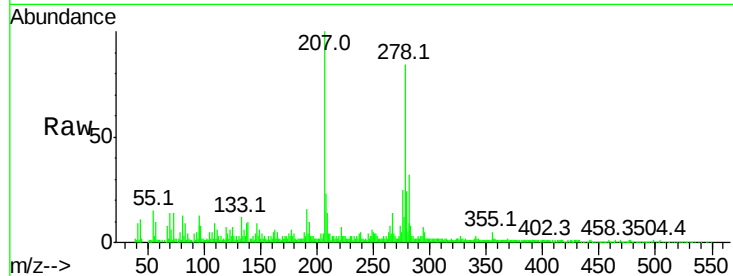


#91

Indeno(1,2,3-cd)pyrene
Concen: 59.490 ng/ul
RT: 26.26 min Scan# 3940
Delta R.T. 0.29 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Instrument :
BNA_M
ClientSampleId :

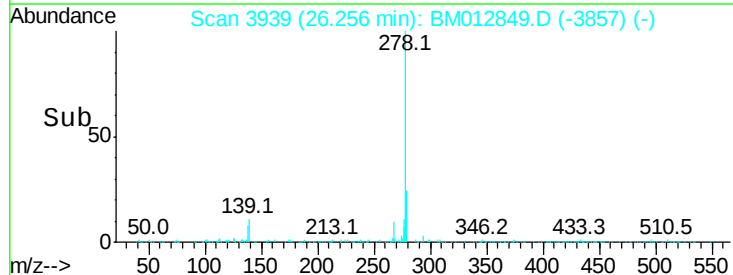
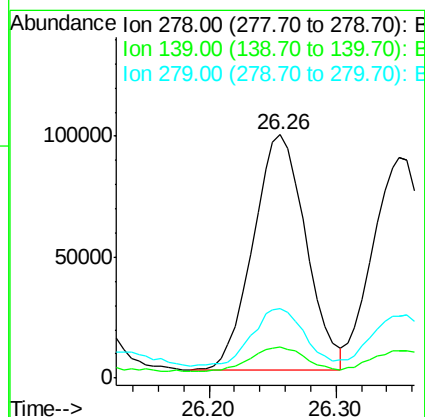
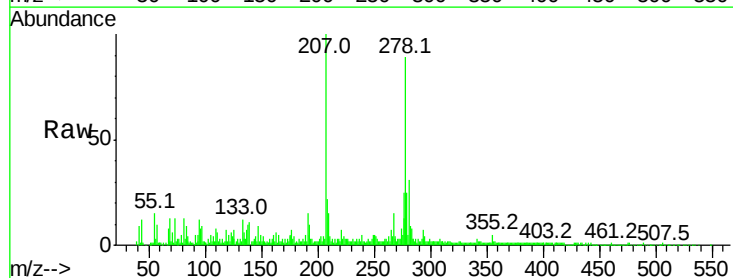
Tot Ion	Ratio	Lower	Upper
276	100		
138	34.9	22.3	33.5#
277	49.5	20.2	30.2#

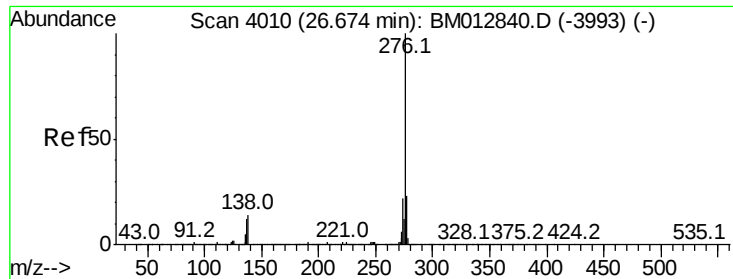


#92

Dibenzo(a,h)anthracene
Concen: 273.693 ng/ul
RT: 26.26 min Scan# 3939
Delta R.T. 0.28 min
Lab File: BM012849.D
Acq: 09 Nov 2017 12:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.9	13.9	20.9#
279	28.4	19.0	28.4





#93

Benzo(a,h,i)perylene

Concen: 6.022 ng/ul

RT: 26.90 min Scan# 4049

Delta R.T. 0.23 min

Lab File: BM012849.D

Acq: 09 Nov 2017 12:05

Instrument :

BNA_M

ClientSampleId :

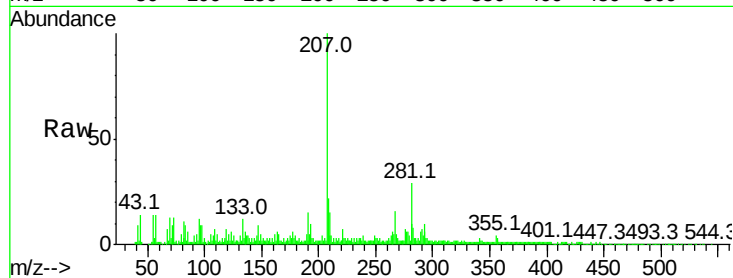
Tot Ion:276 Resp: 6008

Ion Ratio Lower Upper

276 100

138 51.6 18.9 28.3#

277 89.7 19.2 28.8#



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

