

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014357.D
 Acq On : 26 Feb 2018 15:35
 Operator : SJ/JU
 Sample : J1646-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 01:37:14 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 01:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	134346	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	595385	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	355800	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	774327	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	619244	20.00	ng/ul	0.00
83) Perylene-d12	23.31	264	506992	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	17378	5.54	ng/uL	0.00
5) Phenol-d5	6.72	99	367948	32.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	234832	34.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	311981	35.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	318510	32.06	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	164291	37.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	179483	39.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	310181	32.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	343631	36.98	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	1113325	37.89	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1393378	38.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	91613	22.58	ng/ul	0.00
57) Fluorene-d10	15.18	176	936246	35.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	130240	28.04	ng/ul	0.00
70) Anthracene-d10	17.04	188	1387667	37.14	ng/ul	0.00
76) Pyrene-d10	19.34	212	1435956	44.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	951849	38.58	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.74	94	39943	3.352	ng/ul	87
21) Isophorone	9.39	82	22745	1.022	ng/ul#	76
28) Naphthalene	10.34	128	75982	2.485	ng/ul	97
30) 4-Chloroaniline	10.34	127	9533	1.006	ng/ul#	1
34) 2-Methylnaphthalene	11.97	142	40983	1.761	ng/ul	82
44) Dimethylphthalate	13.65	163	250133	8.633	ng/ul	98
47) Acenaphthylene	13.90	152	172705	5.043	ng/ul	95
49) Acenaphthene	14.24	153	124480	5.162	ng/ul	98
53) Dibenzofuran	14.59	168	228089	6.308	ng/ul	97
58) Fluorene	15.24	166	194892	6.244	ng/ul#	99
69) Phenanthrene	16.99	178	3940573	88.327	ng/ul	98
71) Anthracene	17.07	178	588876	13.125	ng/ul	97
72) Carbazole	17.36	167	170286	4.514	ng/ul	97
74) Fluoranthene	19.02	202	4035740	75.716	ng/ul#	92
77) Pyrene	19.38	202	3317865	80.622	ng/ul#	92
80) Benzo(a)anthracene	21.13	228	1149222	29.736	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	75956	3.117	ng/ul#	91
82) Chrysene	21.19	228	981136	27.214	ng/ul	97
85) Benzo(b)fluoranthene	22.67	252	1005399	29.616	ng/ul#	97
86) Benzo(k)fluoranthene	22.67	252	1005399	31.150	ng/ul#	96
88) Benzo(a)pyrene	23.23	252	709050	23.374	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.47	276	412064	13.998	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.46	278	51193	2.093	ng/ul#	96

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Response via : Initial Calibration

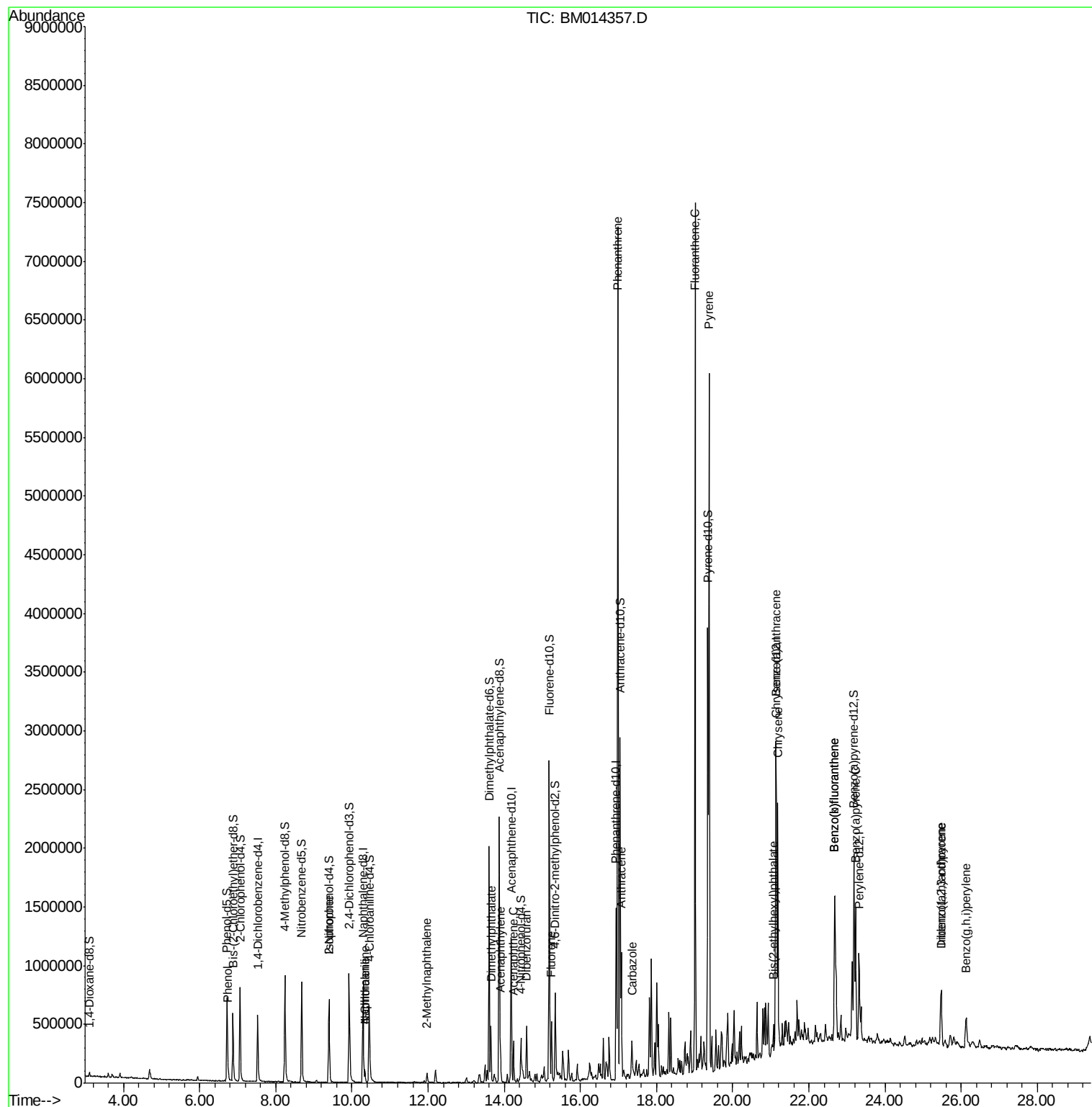
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.13	276	283116	11.872	ng/ul#	96

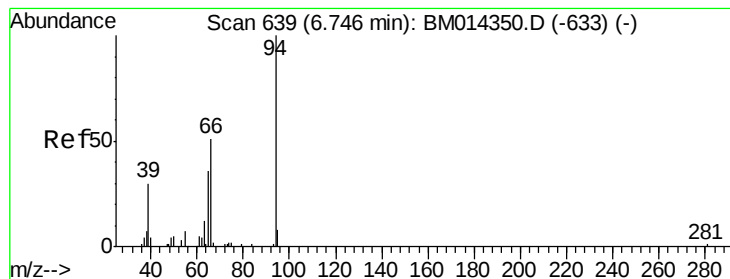
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.352 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

ClientSampleId :

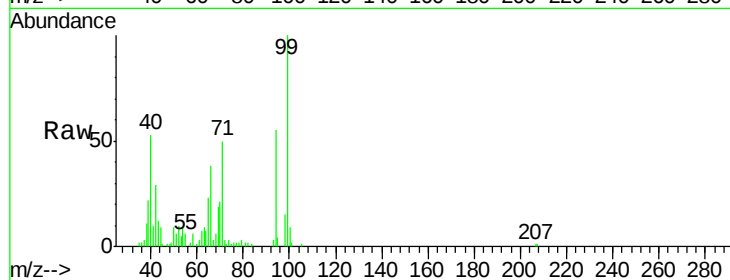
Tot Ion: 94 Resp: 39943

Ion Ratio Lower Upper

94 100

65 42.0 28.2 42.4

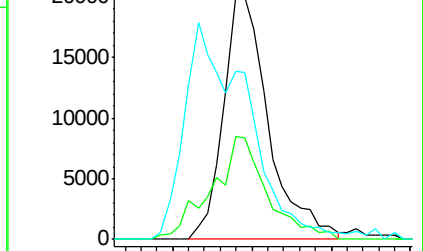
66 69.0 47.2 70.8



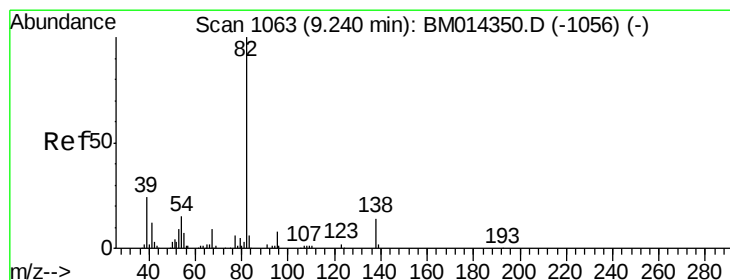
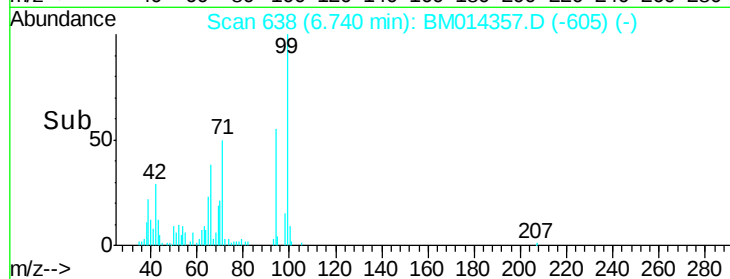
Abundance Ion 94.00 (93.70 to 94.70): BM014357.D (-605) (-)

Ion 65.00 (64.70 to 65.70): BM014357.D (-605) (-)

Ion 66.00 (65.70 to 66.70): BM014357.D (-605) (-)



Time-->



#21

Isophorone

Concen: 1.022 ng/ul

RT: 9.39 min Scan# 1089

Delta R.T. 0.15 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

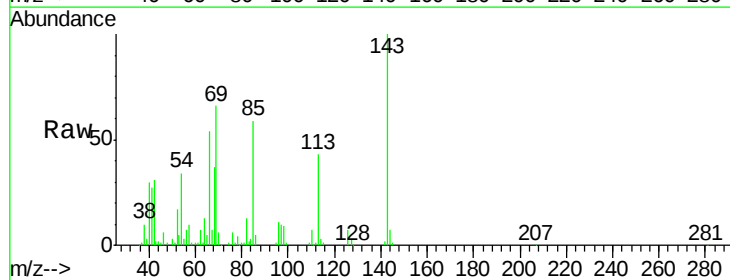
Tgt Ion: 82 Resp: 22745

Ion Ratio Lower Upper

82 100

95 7.3 7.8 11.8#

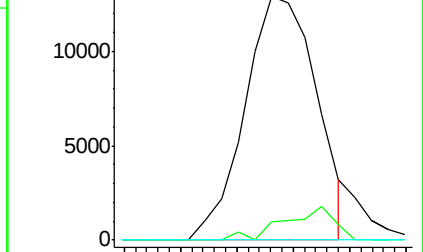
138 0.0 11.9 17.9#



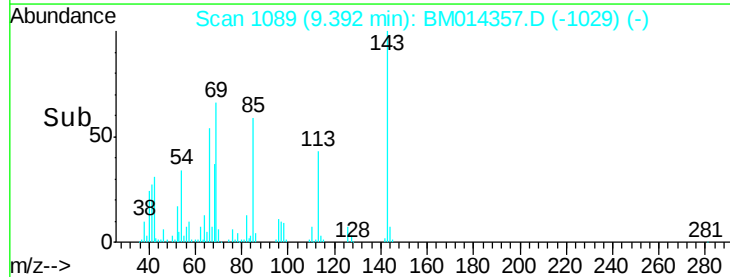
Abundance Ion 82.00 (81.70 to 82.70): BM014357.D (-1029) (-)

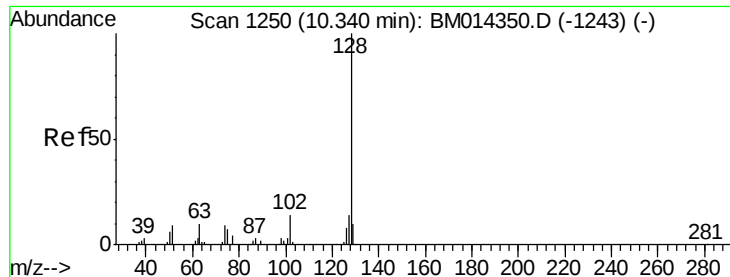
Ion 95.00 (94.70 to 95.70): BM014357.D (-1029) (-)

Ion 138.00 (137.70 to 138.70): BM014357.D (-1029) (-)



Time-->

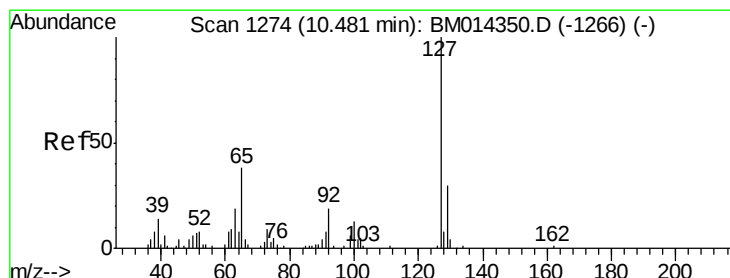
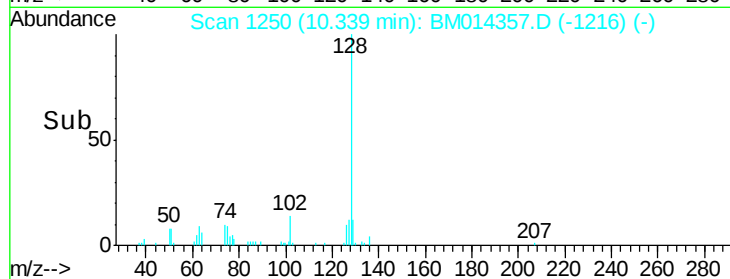
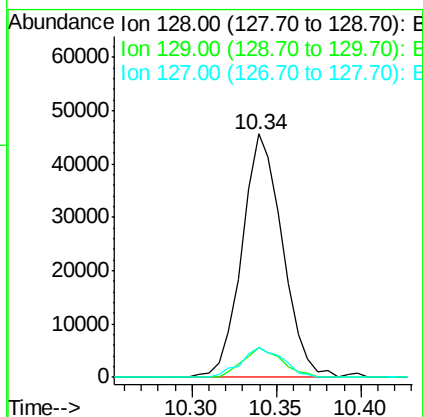
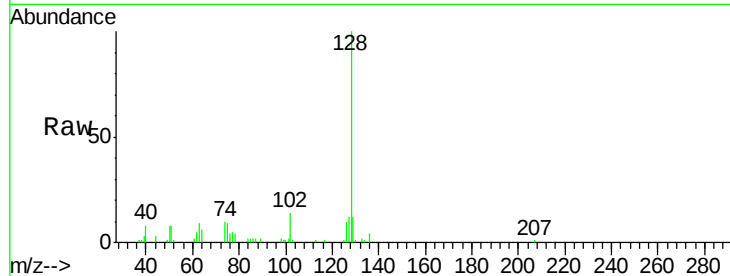




#28
Naphthalene
Concen: 2.485 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

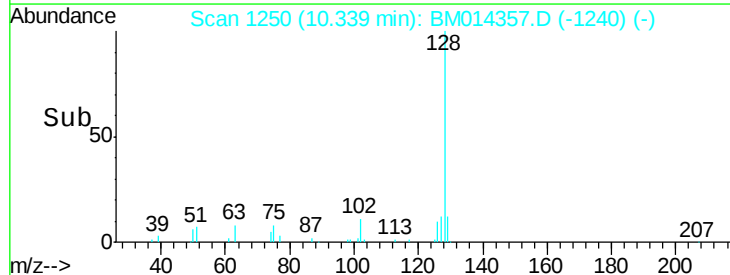
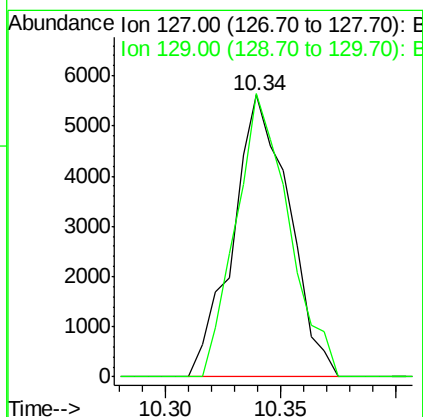
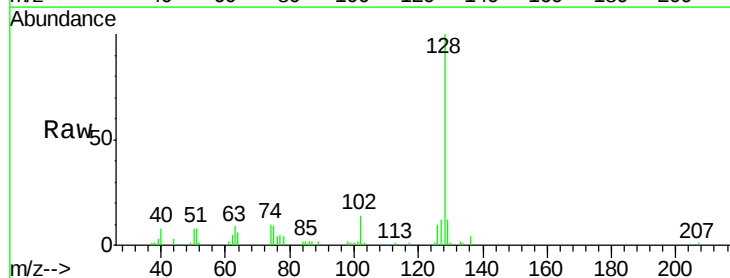
Instrument :
BNA_M
ClientSampleId :

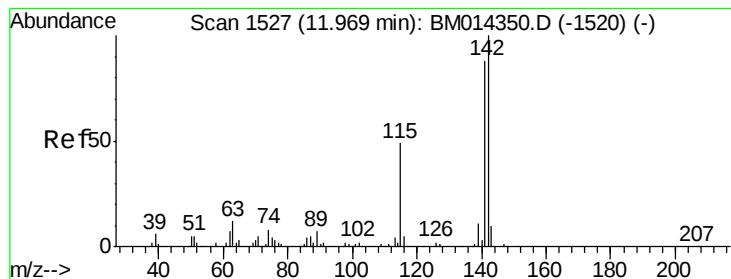
Tot Ion:128 Resp: 75982
Ion Ratio Lower Upper
128 100
129 12.4 8.8 13.2
127 12.3 10.6 16.0



#30
4-Chloroaniline
Concen: 1.006 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. -0.14 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

Tgt Ion:127 Resp: 9533
Ion Ratio Lower Upper
127 100
129 100.5 28.4 42.6#





#34

2-Methylnaphthalene

Concen: 1.761 ng/ul

RT: 11.97 min Scan# 1528

Delta R.T. 0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

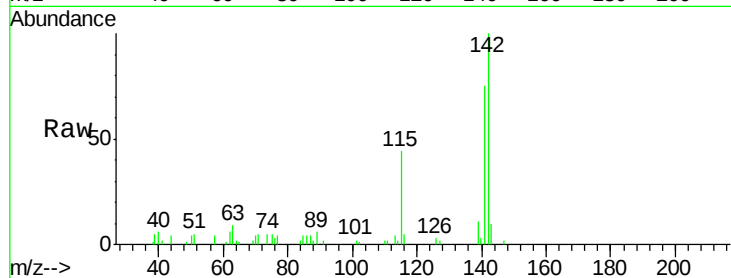
ClientSampleId :

Tot Ion:142 Resp: 40983

Ion Ratio Lower Upper

142 100

141 75.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

25000

20000

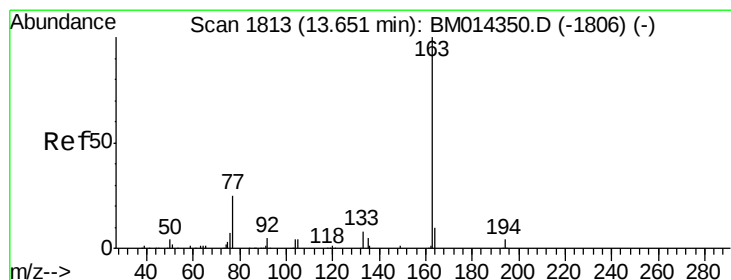
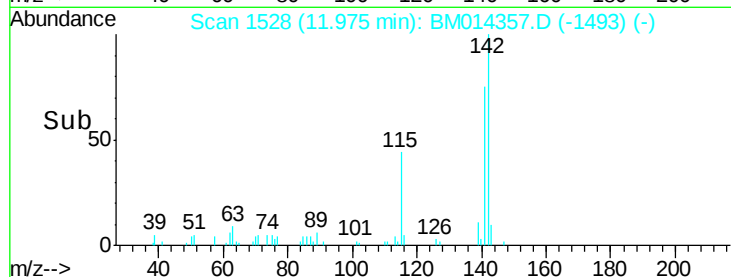
15000

10000

5000

0

Time--> 11.90 11.95 12.00 12.05



#44

Dimethylphthalate

Concen: 8.633 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

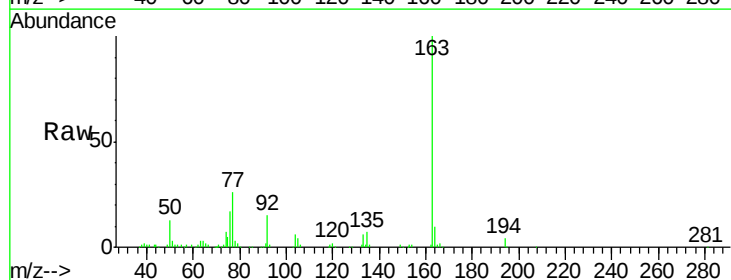
Tgt Ion:163 Resp: 250133

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

200000

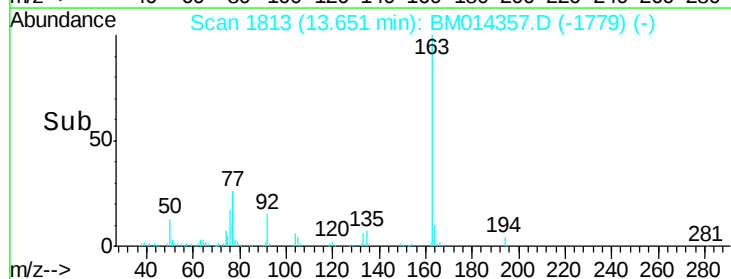
150000

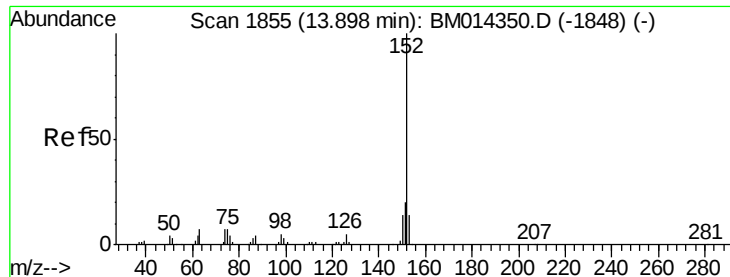
100000

50000

0

Time--> 13.60 13.65 13.70





#47

Acenaphthylene

Concen: 5.043 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

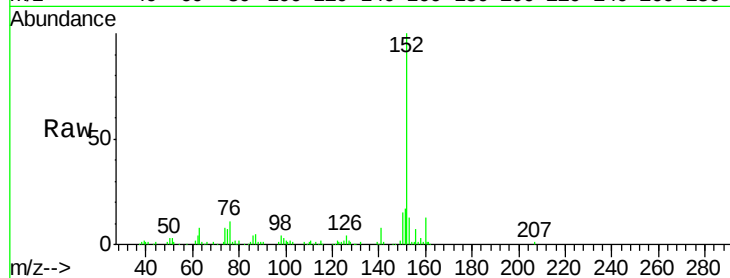
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 172705

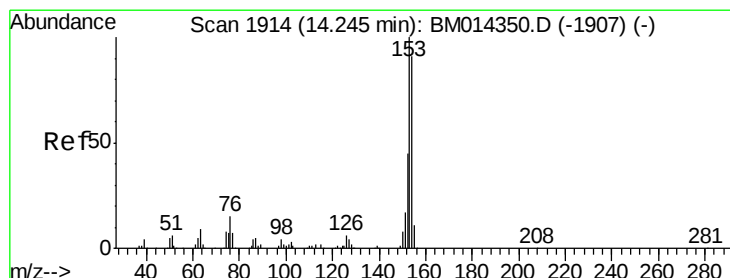
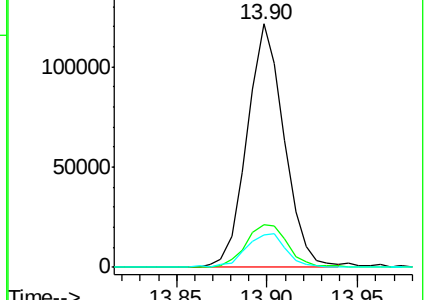
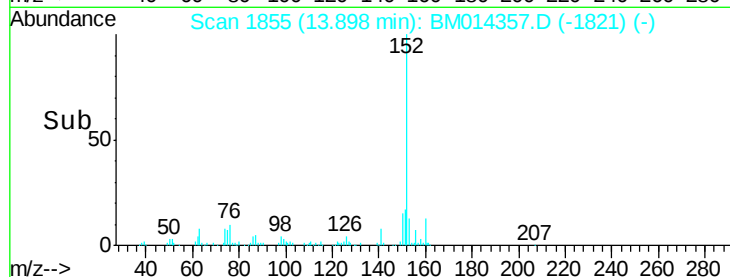
Ion	Ratio	Lower	Upper
152	100		
151	17.3	16.3	24.5
153	13.4	10.2	15.4



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: 5.162 ng/ul

RT: 14.24 min Scan# 1914

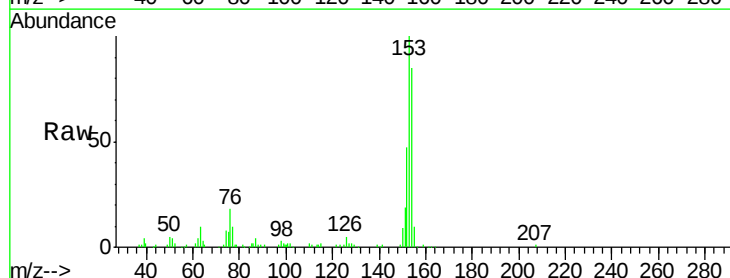
Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Tgt Ion:153 Resp: 124480

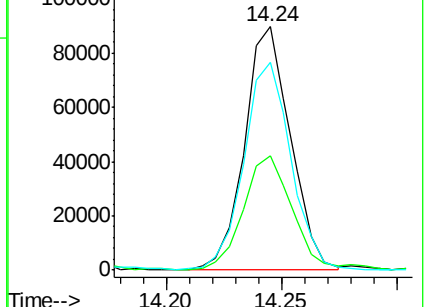
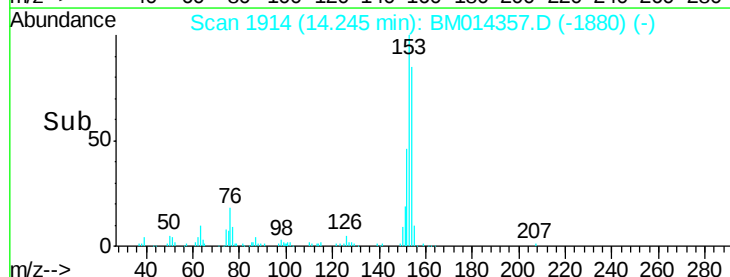
Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.6	56.4
154	85.4	70.4	105.6

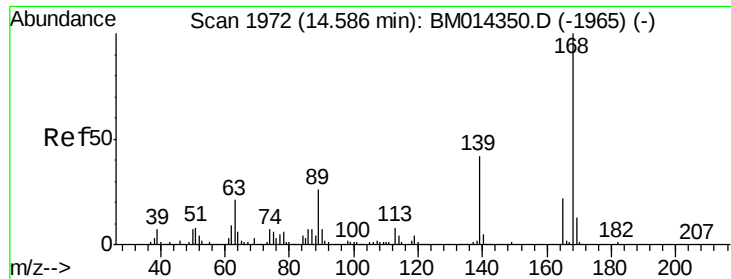


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 6.308 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

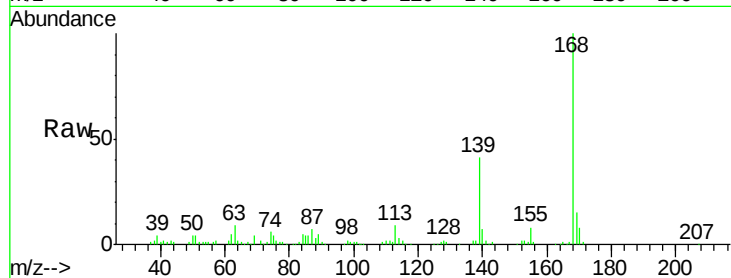
ClientSampleId :

Tot Ion:168 Resp: 228089

Ion Ratio Lower Upper

168 100

139 40.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.59

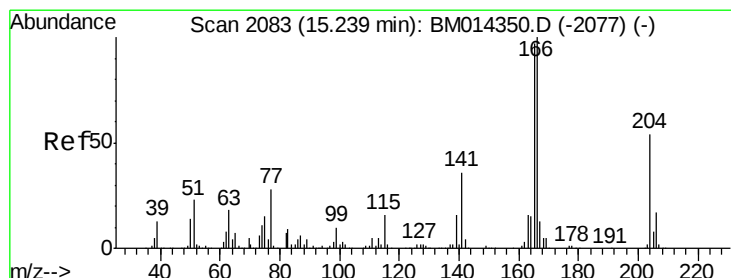
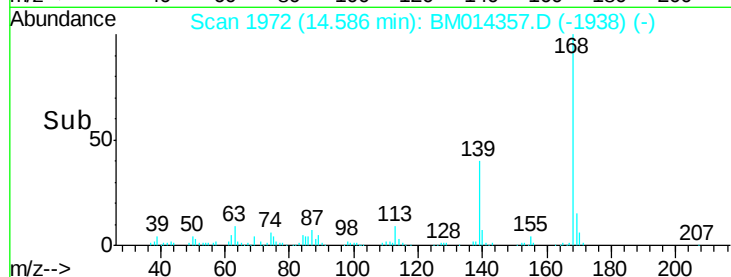
150000

100000

50000

0

Time-->



#58

Fluorene

Concen: 6.244 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

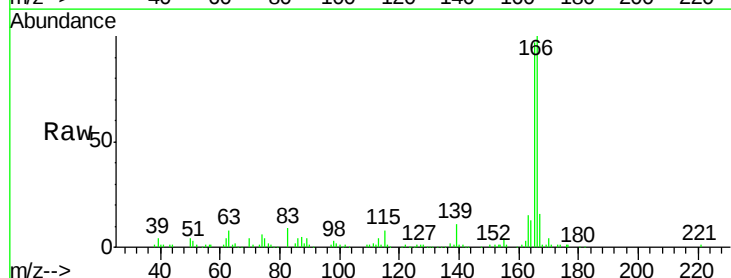
Tgt Ion:166 Resp: 194892

Ion Ratio Lower Upper

166 100

165 96.8 77.9 116.9

167 16.1 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

15.24

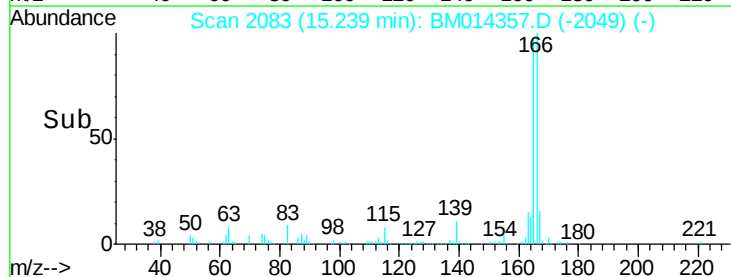
150000

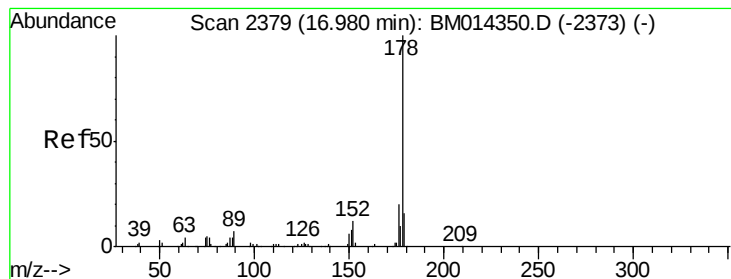
100000

50000

0

Time-->





#69

Phenanthrene

Concen: 88.327 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

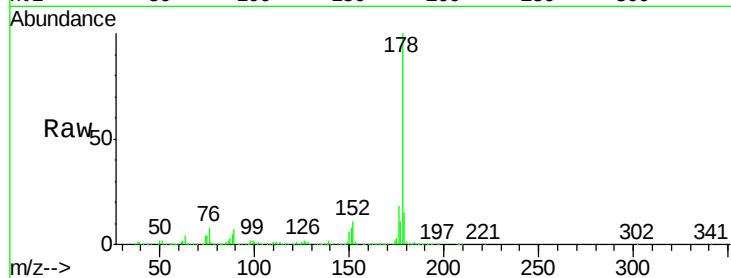
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 3940573

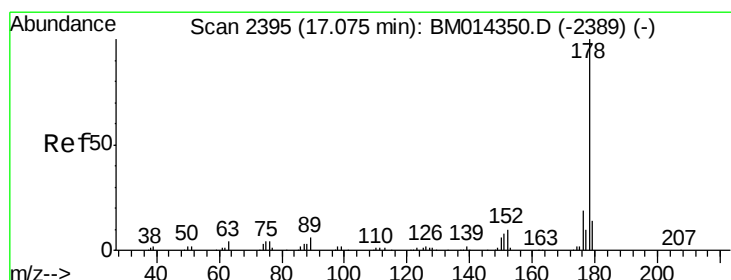
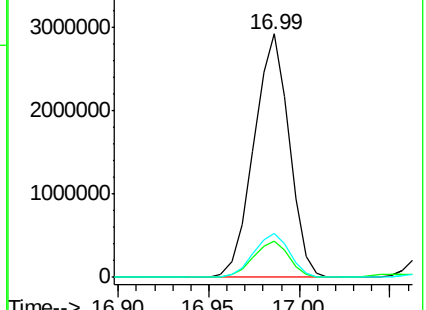
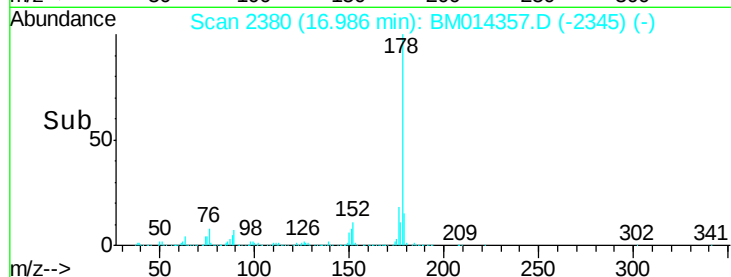
Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.6	19.0
176	17.8	14.9	22.3



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



#71

Anthracene

Concen: 13.125 ng/ul

RT: 17.07 min Scan# 2395

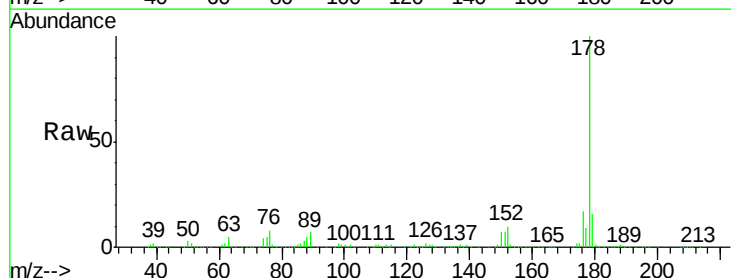
Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Tgt Ion:178 Resp: 588876

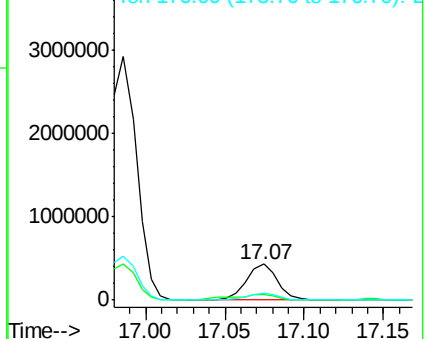
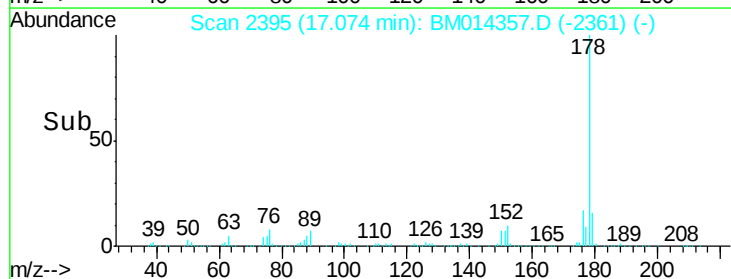
Ion	Ratio	Lower	Upper
178	100		
179	16.5	11.7	17.5
176	17.5	14.6	21.8

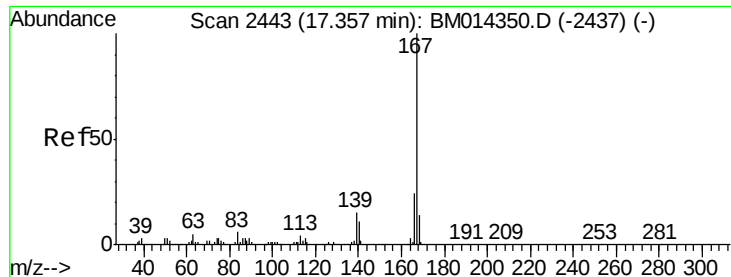


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 4.514 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

ClientSampleId :

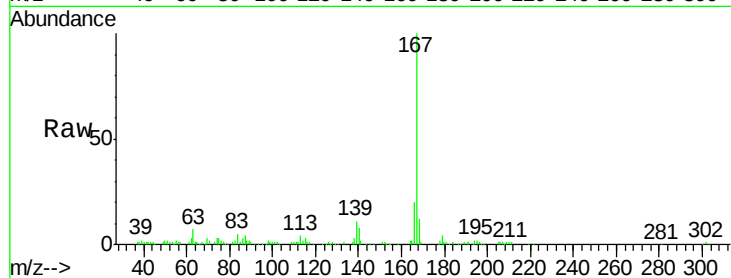
Tot Ion:167 Resp: 170286

Ion Ratio Lower Upper

167 100

166 20.1 17.1 25.7

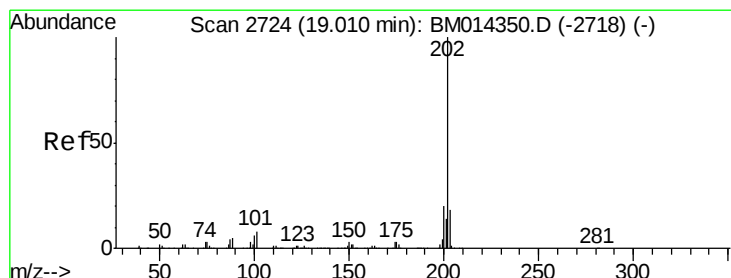
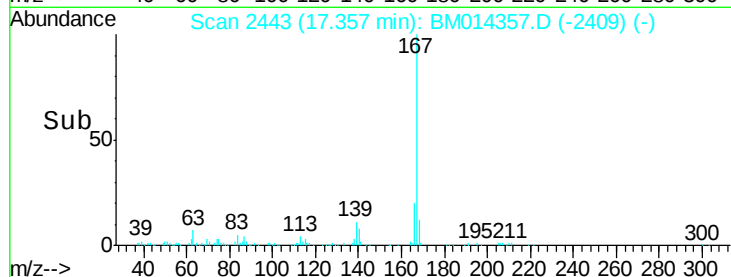
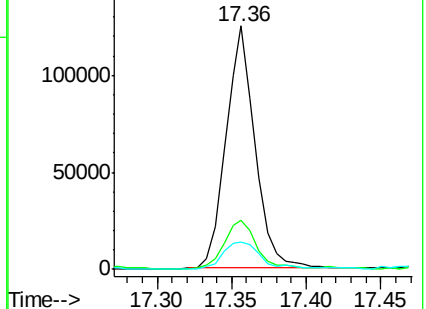
139 11.2 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 75.716 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

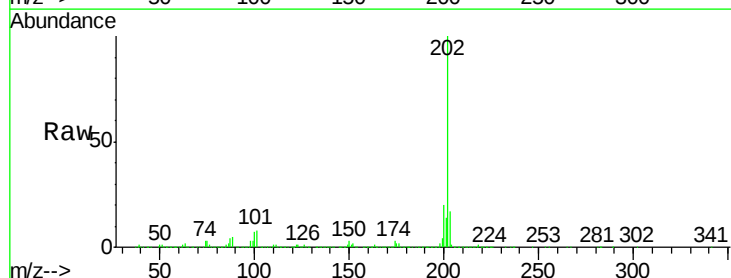
Tgt Ion:202 Resp: 4035740

Ion Ratio Lower Upper

202 100

101 8.2 4.6 7.0#

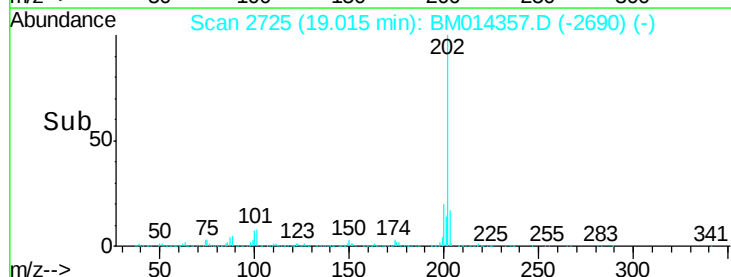
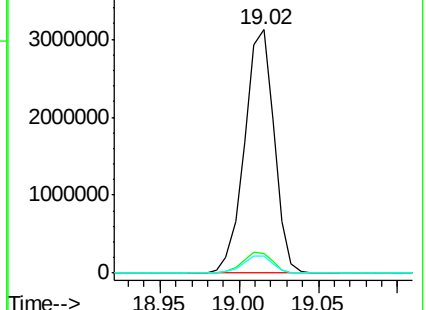
100 7.1 3.4 5.2#

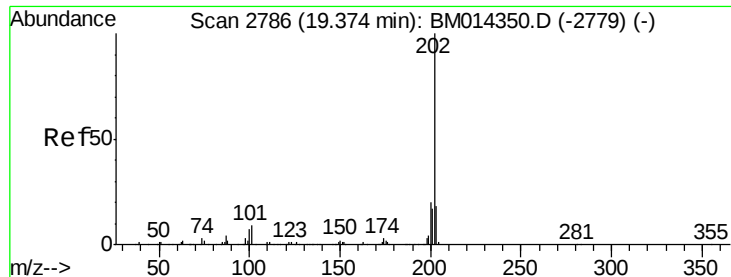


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 80.622 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

ClientSampleId :

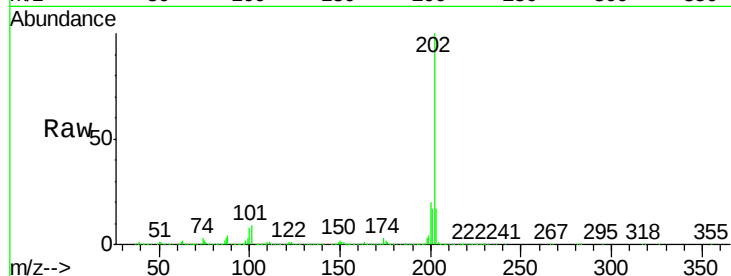
Tot Ion:202 Resp: 3317865

Ion Ratio Lower Upper

202 100

101 9.5 5.1 7.7#

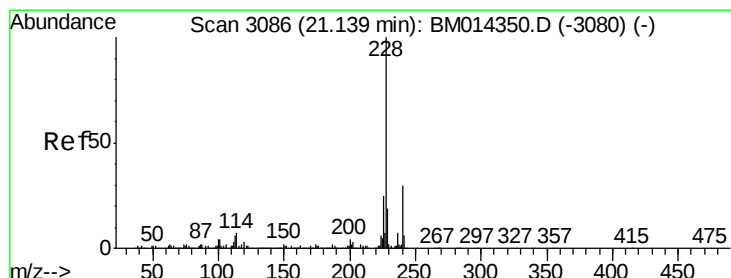
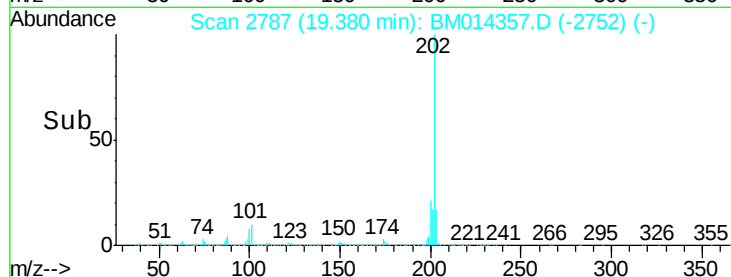
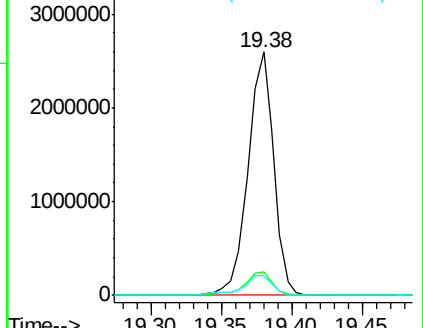
100 8.1 4.9 7.3#



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: 29.736 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

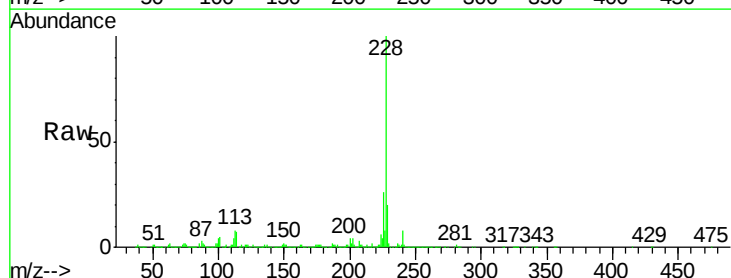
Tgt Ion:228 Resp: 1149222

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

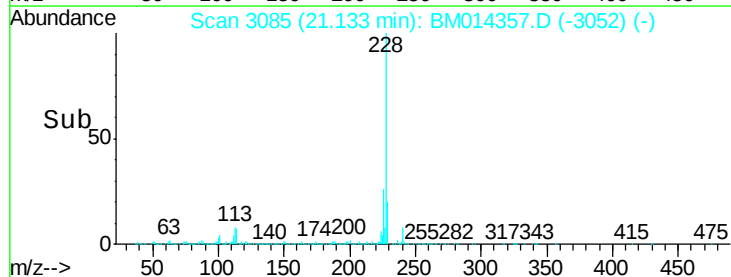
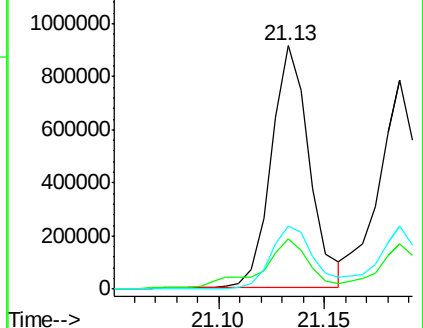
226 26.1 21.4 32.0

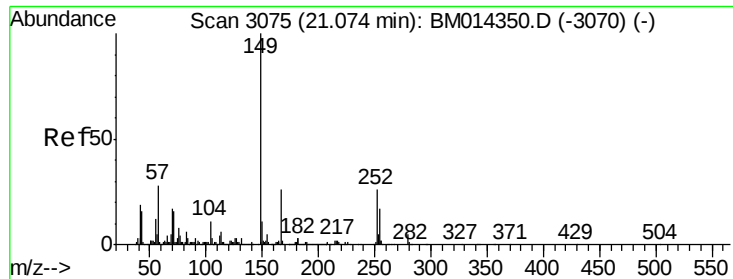


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 3.117 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

ClientSampleId :

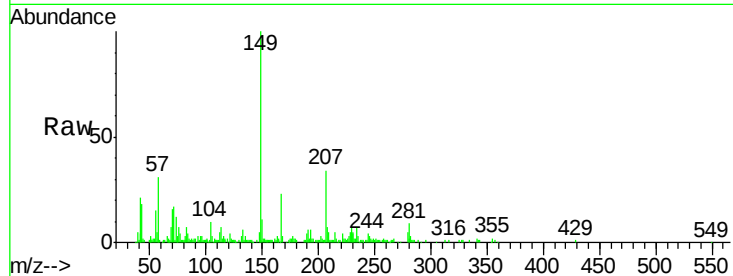
Tot Ion:149 Resp: 75956

Ion Ratio Lower Upper

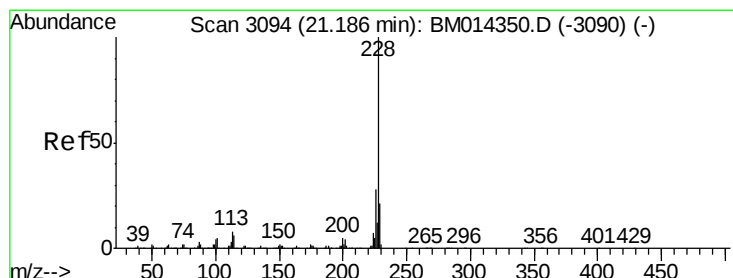
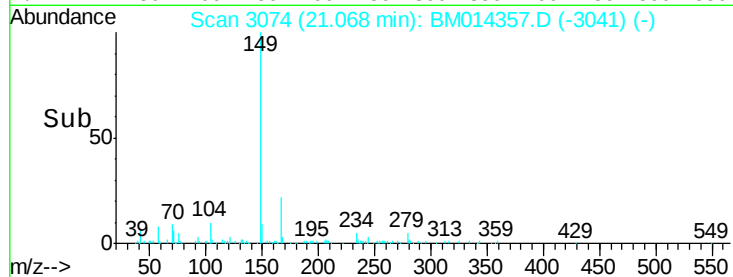
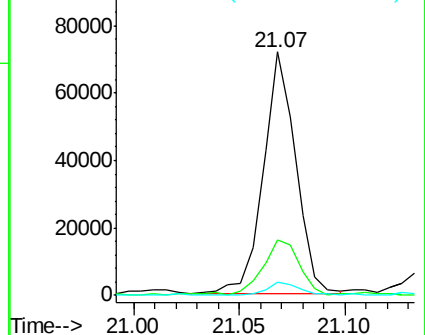
149 100

167 22.7 22.8 34.2#

279 5.3 4.9 7.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 27.214 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

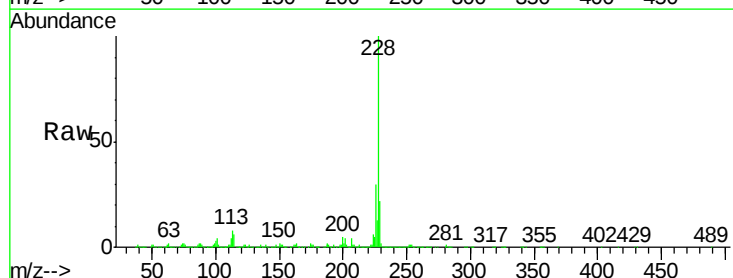
Tgt Ion:228 Resp: 981136

Ion Ratio Lower Upper

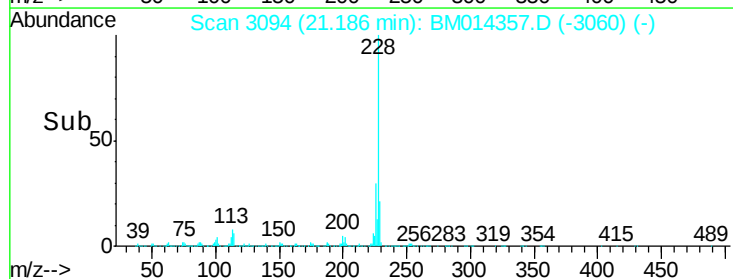
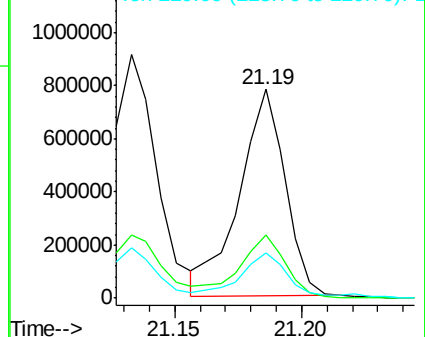
228 100

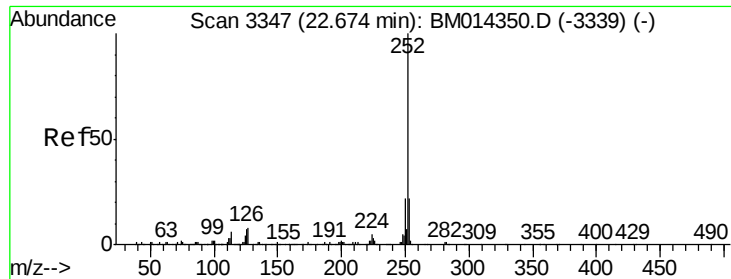
226 30.0 23.4 35.2

229 21.6 15.5 23.3



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





#85

Benzo(b)fluoranthene

Concen: 29.616 ng/ul

RT: 22.67 min Scan# 3347

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

ClientSampleId :

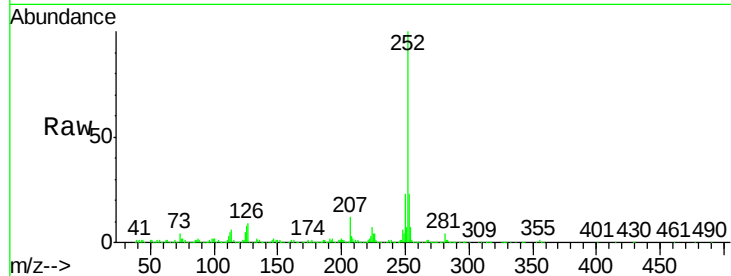
Tot Ion:252 Resp: 1005399

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

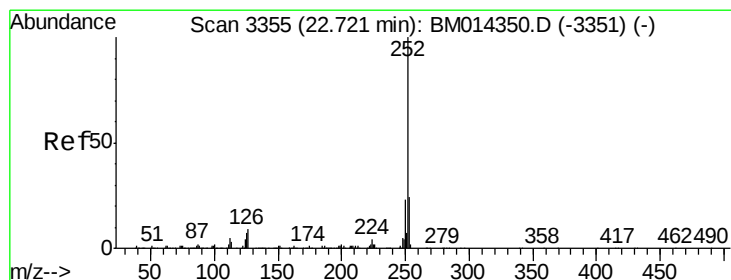
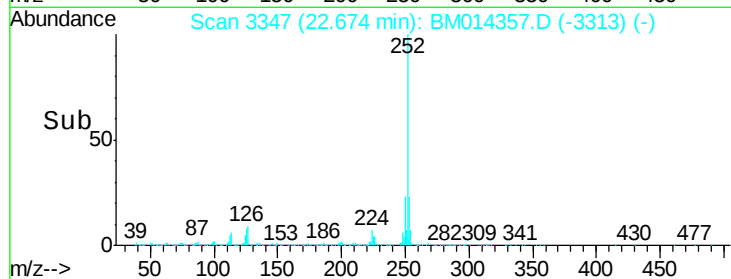
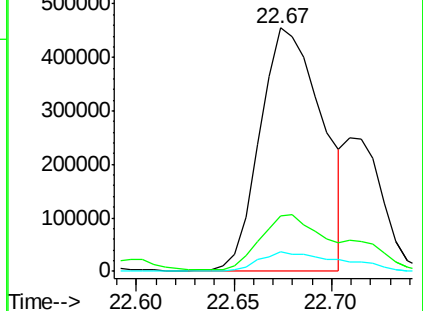
125 7.8 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 31.150 ng/ul

RT: 22.67 min Scan# 3347

Delta R.T. -0.05 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

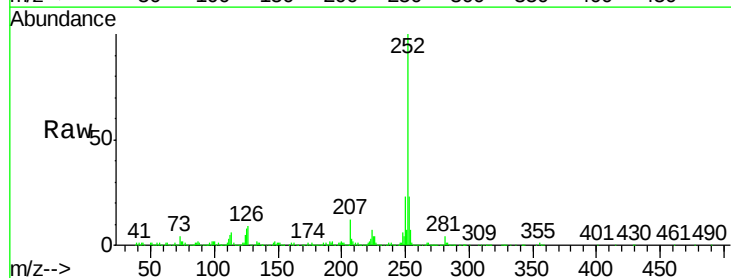
Tgt Ion:252 Resp: 1005399

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

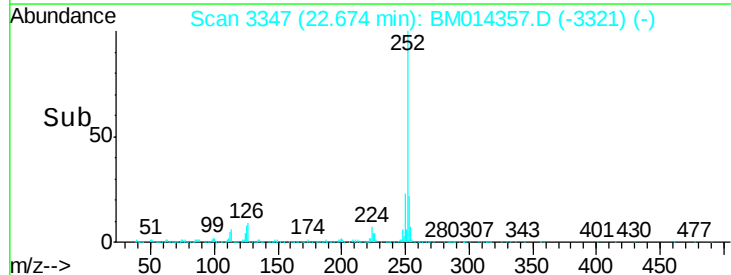
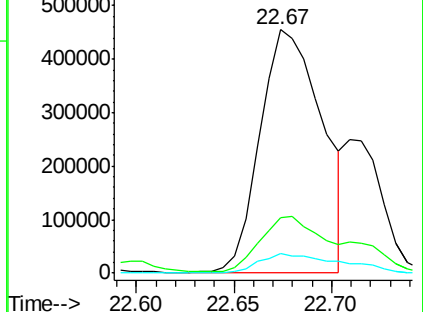
125 7.8 3.4 5.2#

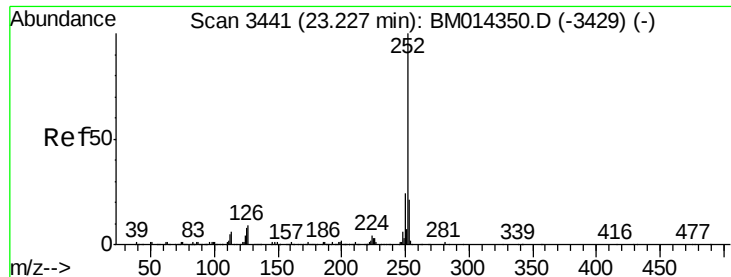


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 23.374 ng/ul

RT: 23.23 min Scan# 3441

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

ClientSampleId :

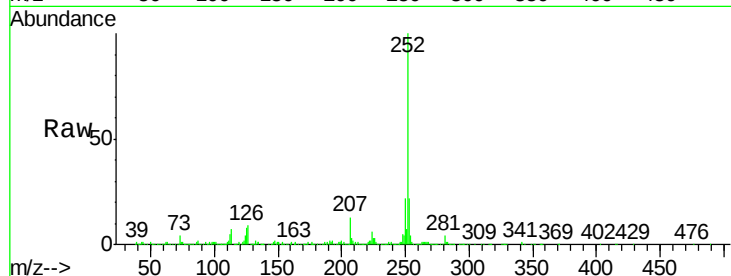
Tot Ion:252 Resp: 709050

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

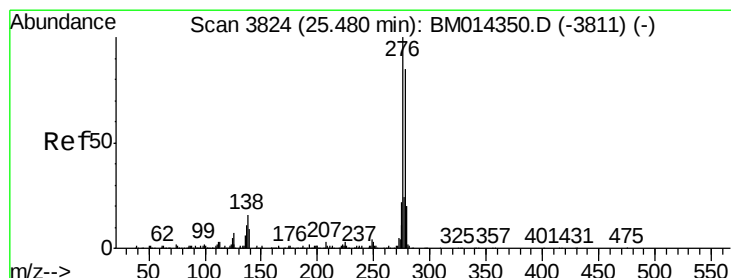
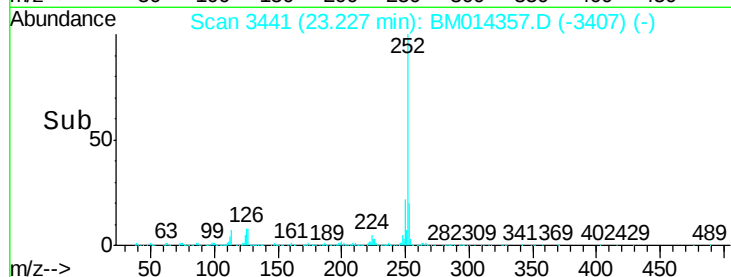
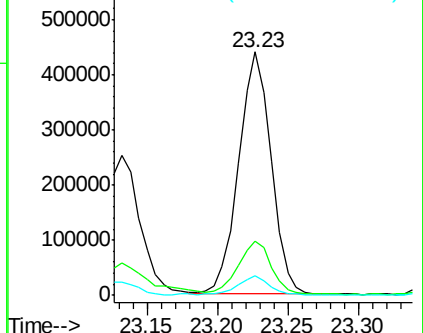
125 8.2 4.0 6.0#



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: 13.998 ng/ul

RT: 25.47 min Scan# 3823

Delta R.T. -0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

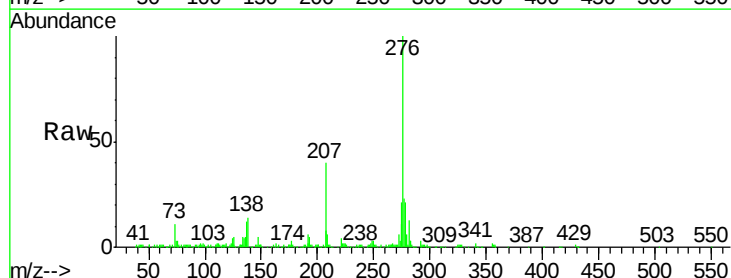
Tgt Ion:276 Resp: 412064

Ion Ratio Lower Upper

276 100

138 14.2 9.3 13.9#

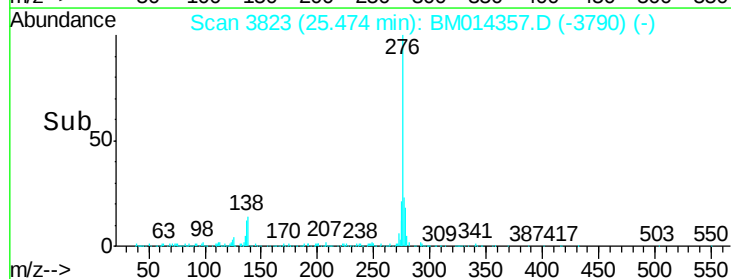
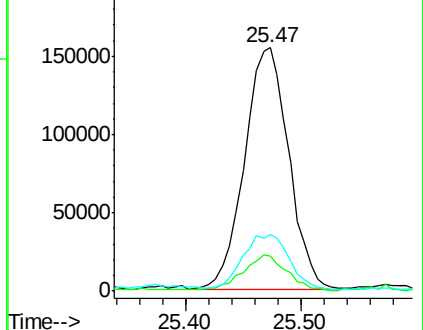
277 23.4 19.9 29.9

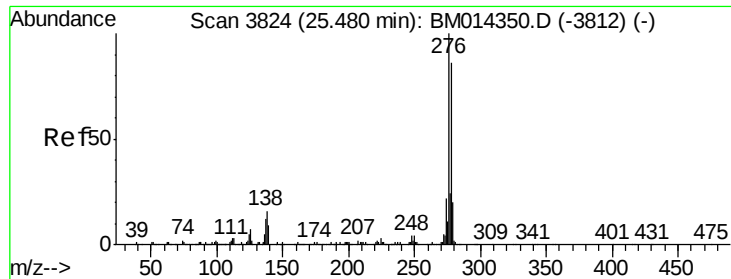


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

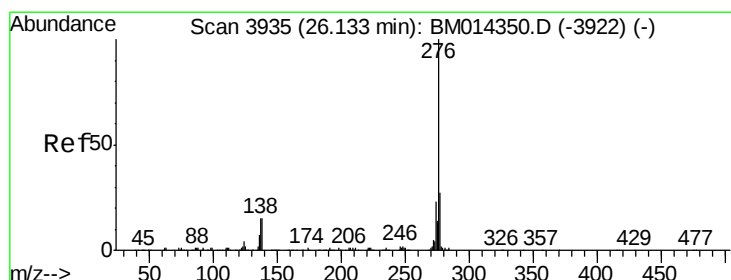
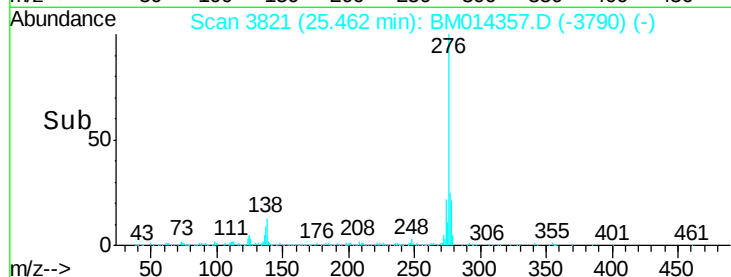
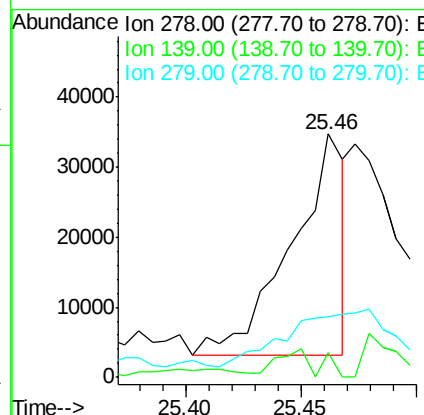
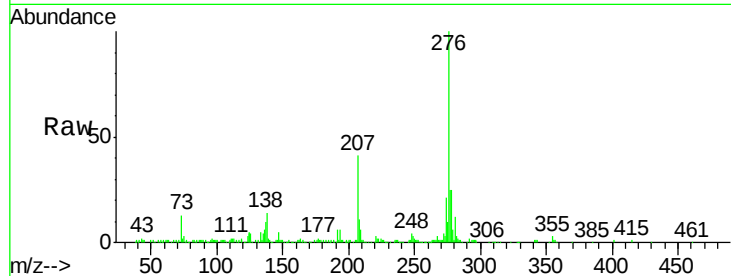




#90
Dibenzo(a,h)anthracene
Concen: 2.093 ng/ul
RT: 25.46 min Scan# 3821
Delta R.T. -0.02 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

Instrument :
BNA_M
ClientSampled :

Tot Ion:278 Resp: 51193
Ion Ratio Lower Upper
278 100
139 9.9 5.8 8.8#
279 24.8 18.6 27.8



#91
Benzo(g,h,i)perylene
Concen: 11.872 ng/ul
RT: 26.13 min Scan# 3934
Delta R.T. -0.01 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

Tgt Ion:276 Resp: 283116
Ion Ratio Lower Upper
276 100
138 14.2 8.5 12.7#
277 22.8 18.6 28.0

