

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013949.D
 Acq On : 29 Jan 2018 07:11
 Operator : SJ/JU
 Sample : J1243-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 29 10:06:45 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	192226	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	762958	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	443109	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	862241	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	723113	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	704542	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	15761	3.24	ng/uL	0.00
5) Phenol-d5	6.76	99	391030	26.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	236889	26.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	332571	27.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	325265	28.67	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	167858	28.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	196835	31.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	359874	29.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	356663	34.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1064199	29.14	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1321808	28.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	126295	21.28	ng/ul	0.00
57) Fluorene-d10	15.23	176	875079	27.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	132495	25.53	ng/ul	0.00
70) Anthracene-d10	17.09	188	1260394	30.01	ng/ul	0.00
76) Pyrene-d10	19.39	212	1238644	36.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	1036044	31.99	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.79	94	42030	2.840	ng/ul	93
28) Naphthalene	10.40	128	1981558	52.205	ng/ul	99
30) 4-Chloroaniline	10.40	127	261337	25.137	ng/ul#	22
32) Caprolactam	11.37	113	3358	1.036	ng/ul	86
34) 2-Methylnaphthalene	12.02	142	1318332	46.585	ng/ul	93
40) 1,1'-Biphenyl	13.05	154	155221	4.208	ng/ul#	97
44) Dimethylphthalate	13.69	163	202664	5.644	ng/ul	99
49) Acenaphthene	14.29	153	690984	23.415	ng/ul	99
53) Dibenzofuran	14.63	168	2583911	58.202	ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	14.87	232	24568	2.641	ng/ul#	81
58) Fluorene	15.29	166	657752	18.087	ng/ul#	97
68) Pentachlorophenol	16.65	266	811944	139.385	ng/ul	96
69) Phenanthrene	17.04	178	10929482	228.037	ng/ul	99
71) Anthracene	17.12	178	1189198	24.055	ng/ul	98
72) Carbazole	17.40	167	713371	17.482	ng/ul	99
74) Fluoranthene	19.06	202	7362195	128.684	ng/ul#	96
77) Pyrene	19.42	202	5034169	114.517	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	743290	17.011	ng/ul	98
82) Chrysene	21.17	228	743290	18.543	ng/ul	95
85) Benzo(b)fluoranthene	22.72	252	449603	10.391	ng/ul#	96
86) Benzo(k)fluoranthene	22.76	252	154412	3.692	ng/ul#	96
88) Benzo(a)pyrene	23.28	252	198203	4.849	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.56	276	88529	1.835	ng/ul	97

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration

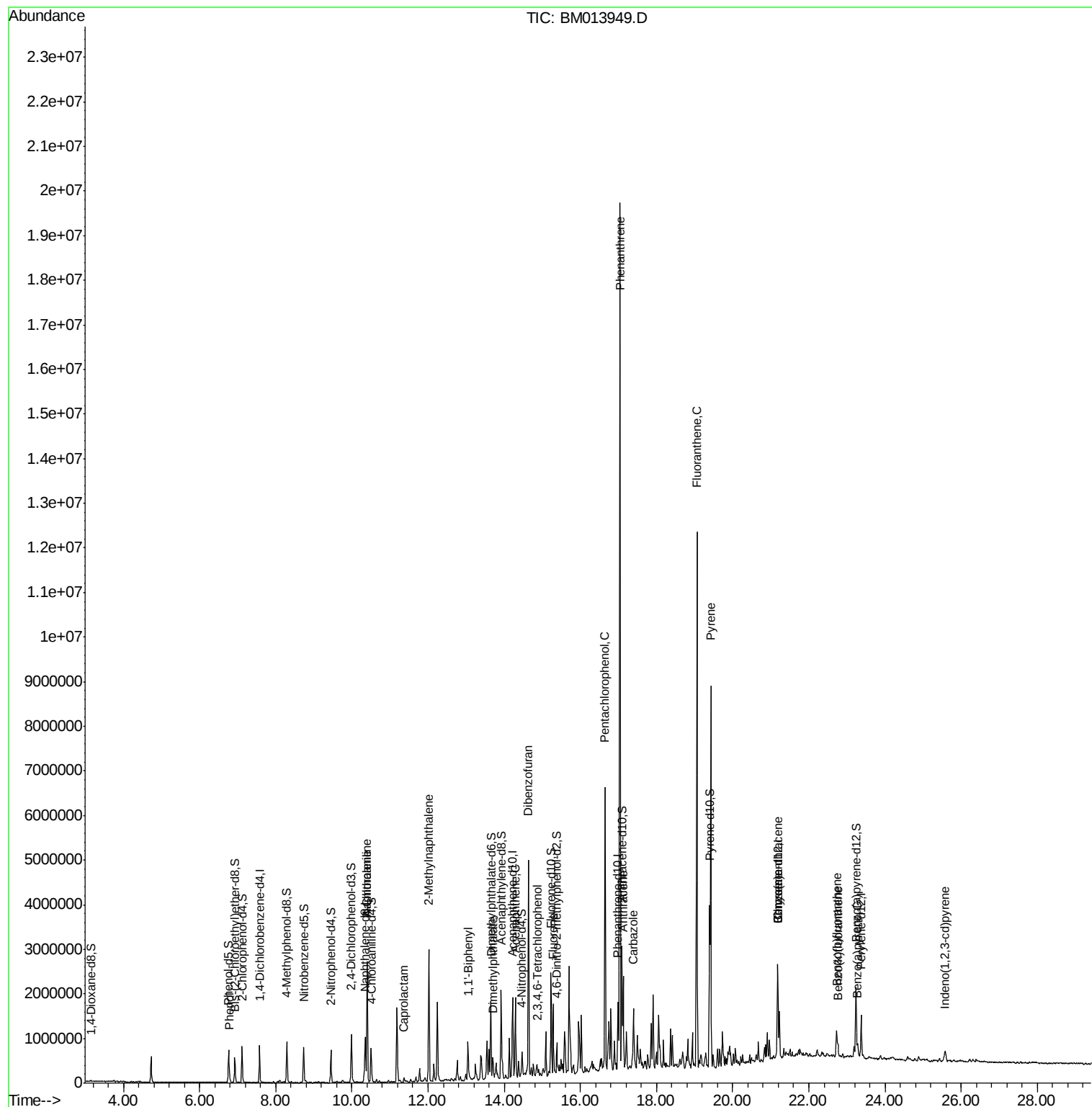
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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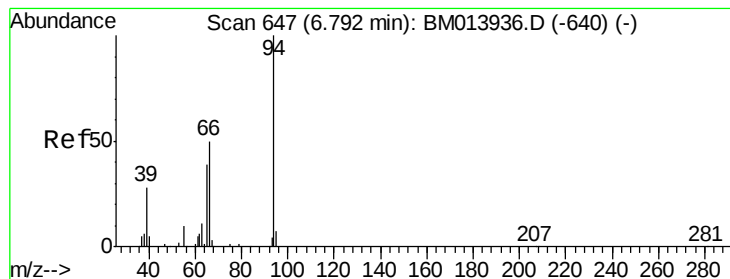
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.840 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampleId :

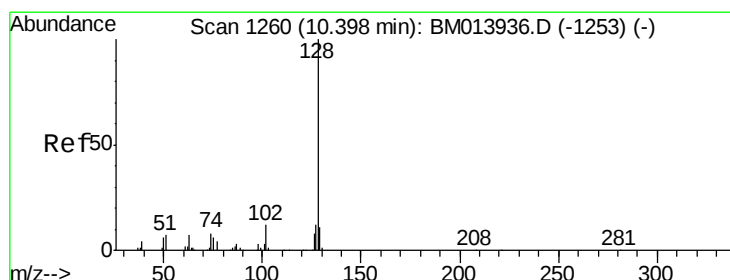
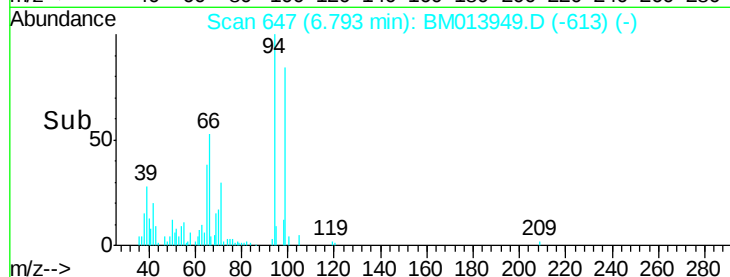
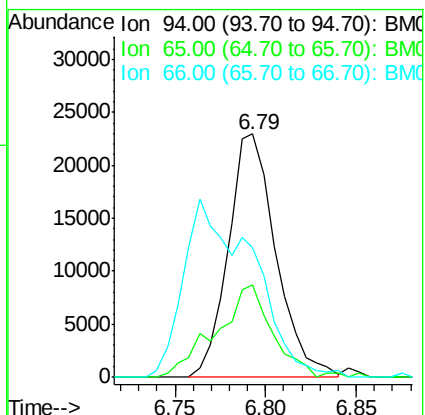
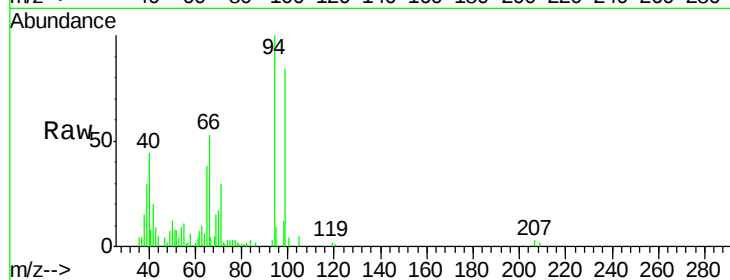
Tot Ion: 94 Resp: 42030

Ion Ratio Lower Upper

94 100

65 38.0 28.2 42.4

66 53.2 47.2 70.8



#28

Naphthalene

Concen: 52.205 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

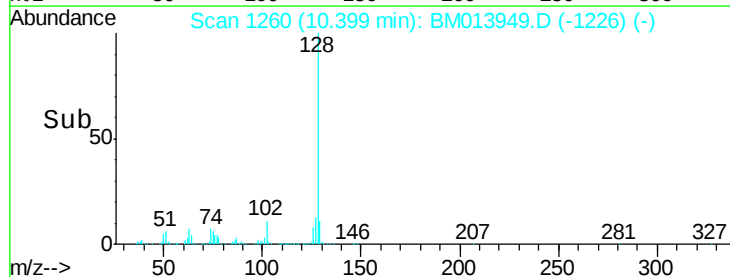
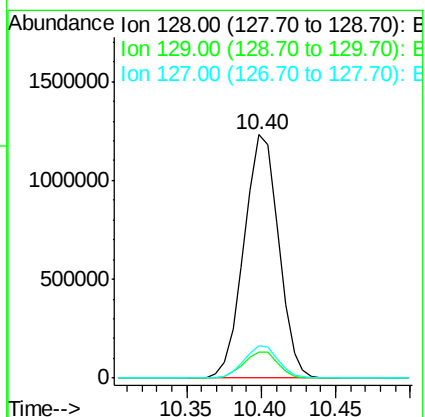
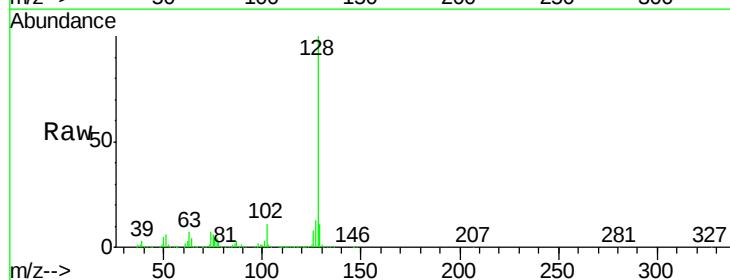
Tgt Ion: 128 Resp: 1981558

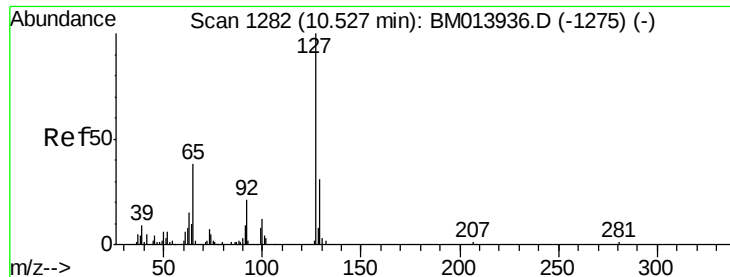
Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 13.1 10.6 16.0

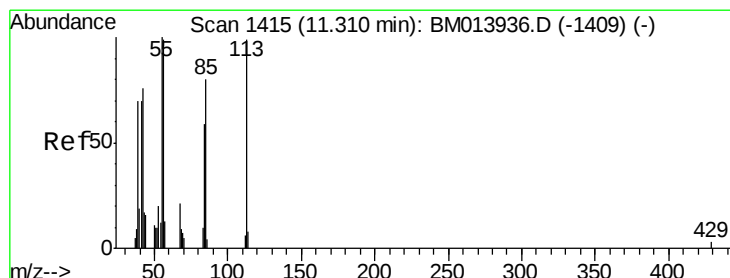
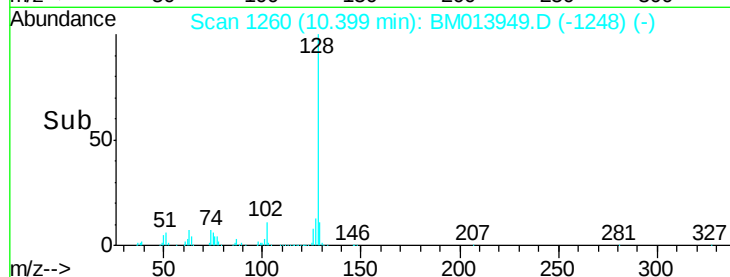
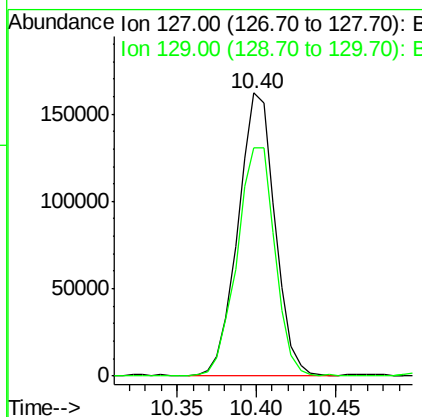
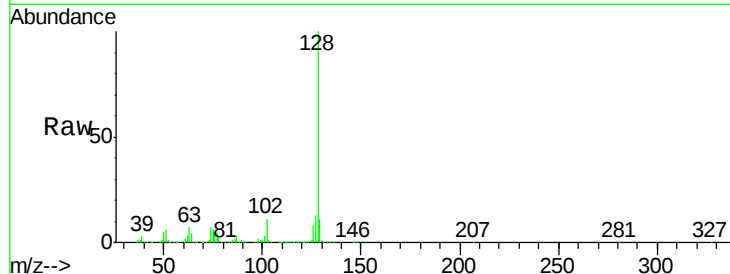




#30
4-Chloroaniline
Concen: 25.137 ng/ul
RT: 10.40 min Scan# 1260
Delta R.T. -0.13 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

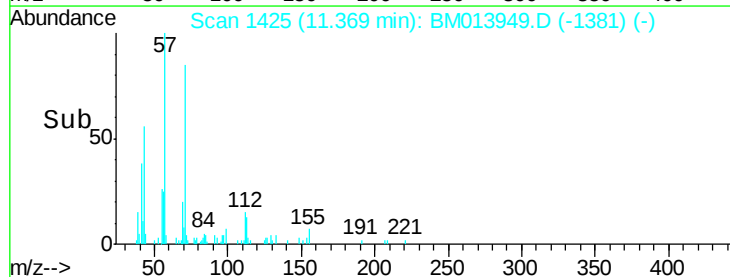
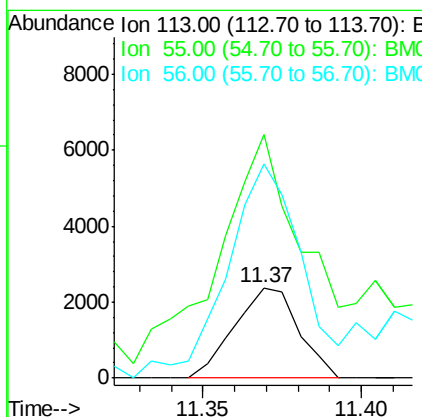
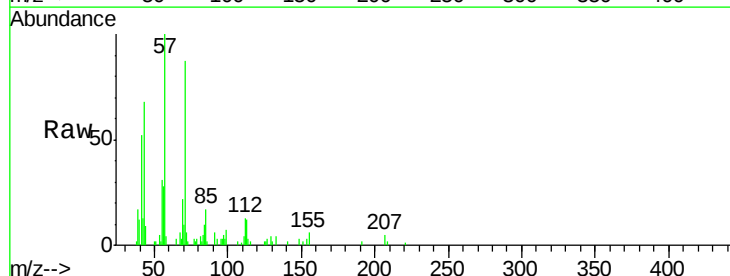
Instrument :
BNA_M
ClientSampleId :

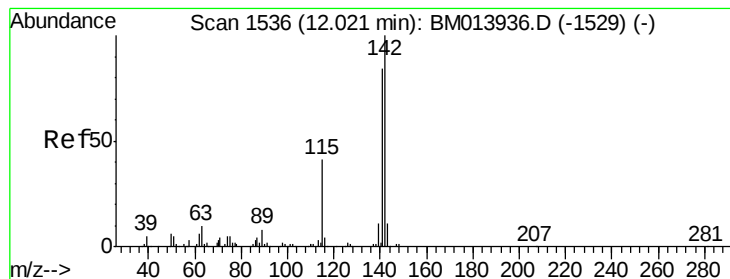
Tot Ion:127 Resp: 261337
Ion Ratio Lower Upper
127 100
129 80.9 28.4 42.6#



#32
Caprolactam
Concen: 1.036 ng/ul
RT: 11.37 min Scan# 1425
Delta R.T. 0.06 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

Tgt Ion:113 Resp: 3358
Ion Ratio Lower Upper
113 100
55 269.8 208.0 312.0
56 237.8 160.0 240.0

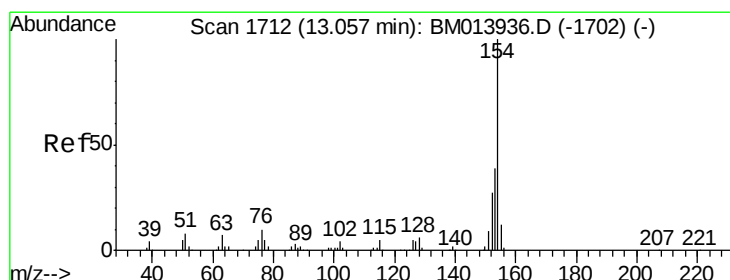
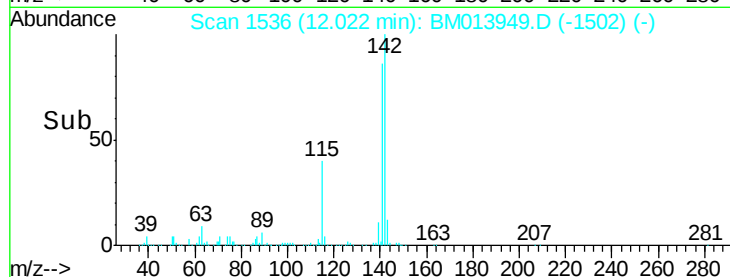
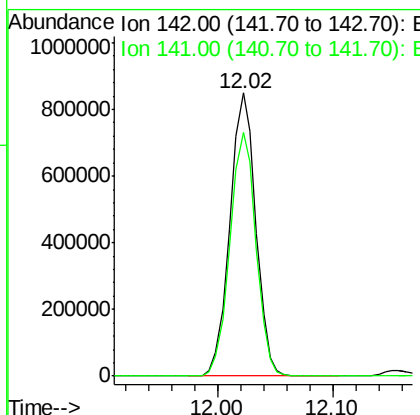
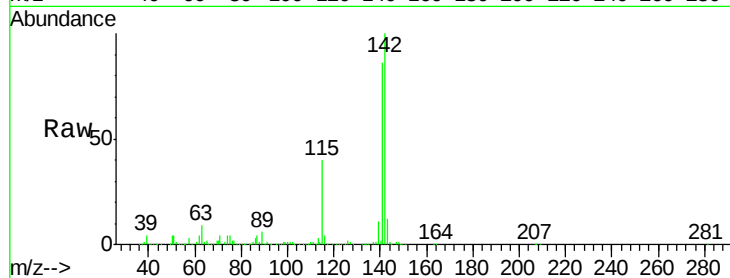




#34
 2-Methylnaphthalene
 Concen: 46.585 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

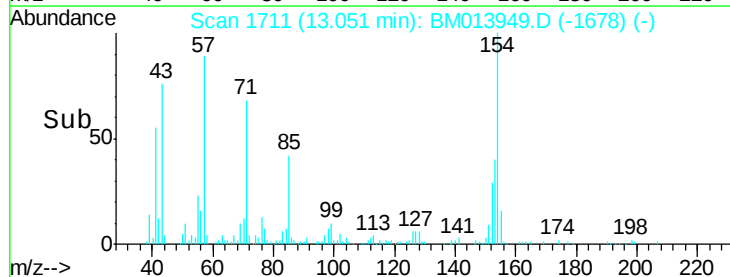
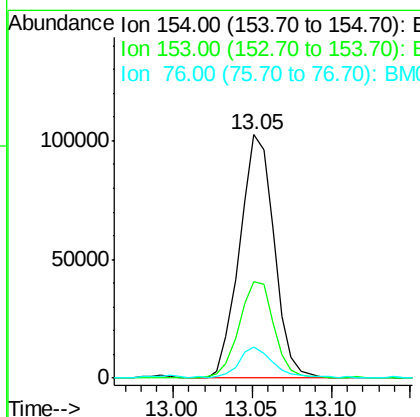
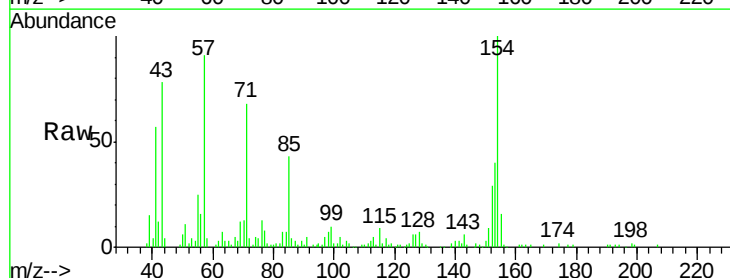
Instrument :
 BNA_M
 ClientSampleId :

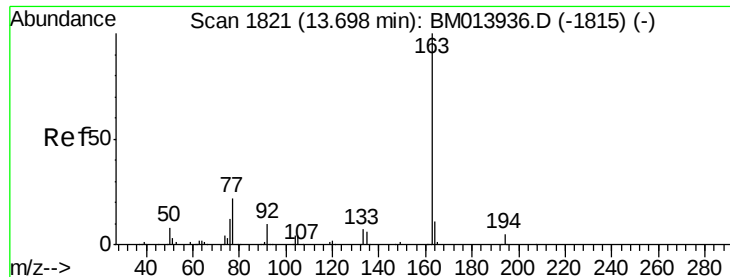
Tot Ion:142 Resp: 1318332
 Ion Ratio Lower Upper
 142 100
 141 86.1 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 4.208 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

Tgt Ion:154 Resp: 155221
 Ion Ratio Lower Upper
 154 100
 153 39.6 32.6 48.8
 76 13.0 8.5 12.7#

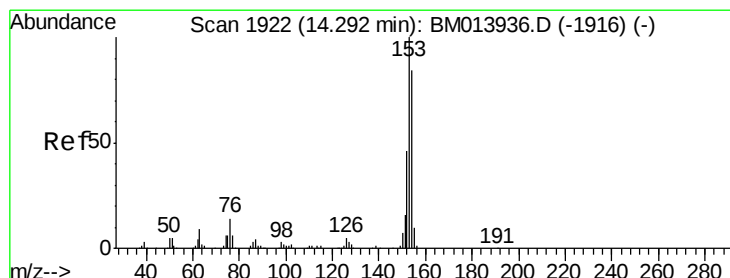
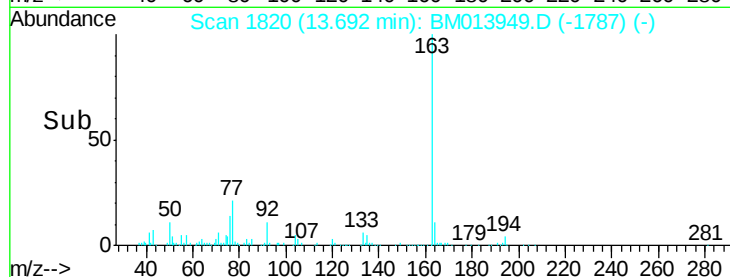
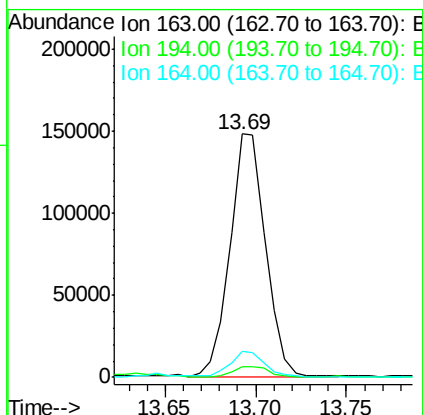
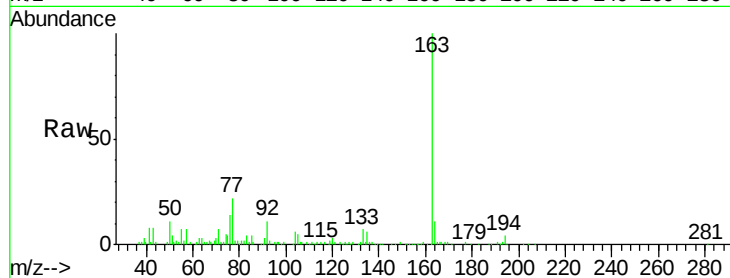




#44
Dimethylphthalate
Concen: 5.644 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

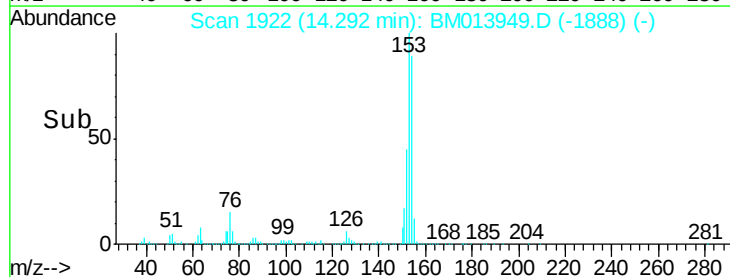
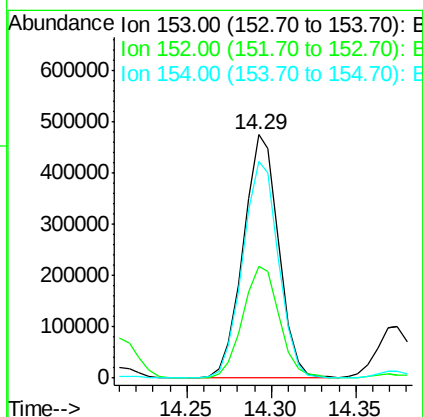
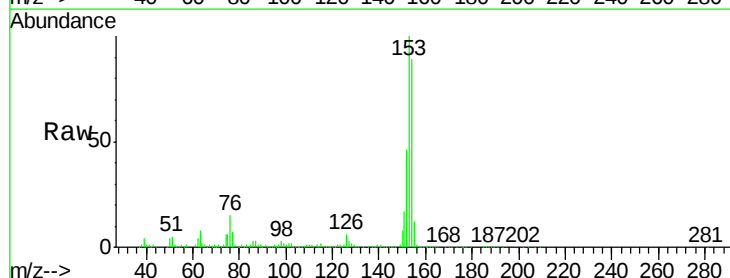
Instrument :
BNA_M
ClientSampleId :

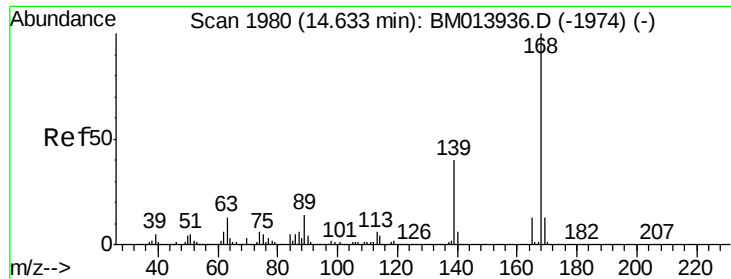
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.6	8.2	12.4



#49
Acenaphthene
Concen: 23.415 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. 0.00 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.7	37.6	56.4
154	89.0	70.4	105.6





#53

Dibenzofuran

Concen: 58.202 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

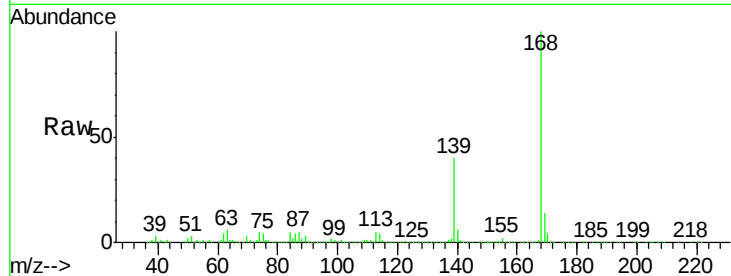
ClientSampleId :

Tot Ion:168 Resp: 2583911

Ion Ratio Lower Upper

168 100

139 39.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.63

2000000

1500000

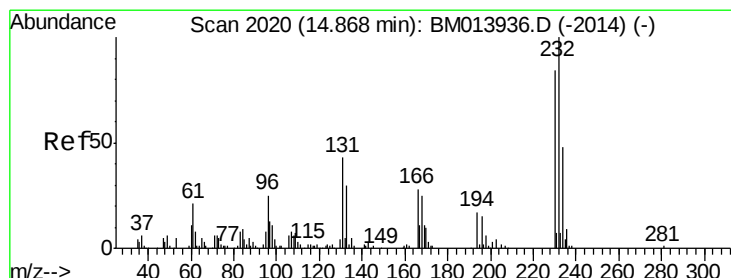
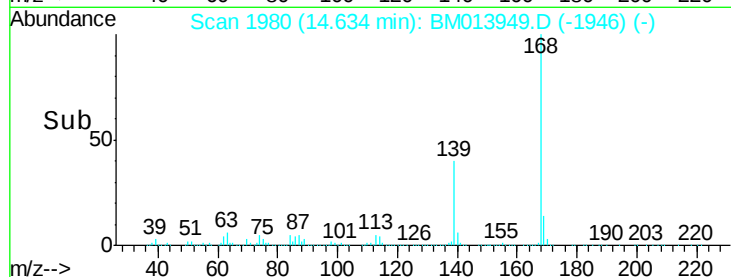
1000000

500000

0

14.60 14.65 14.70

Time-->



#55

2,3,4,6-Tetrachlorophenol

Concen: 2.641 ng/ul

RT: 14.87 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Tgt Ion:232 Resp: 24568

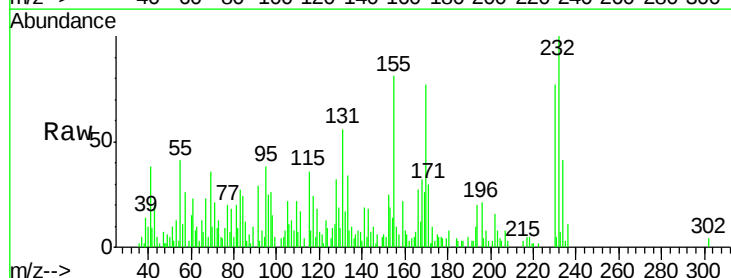
Ion Ratio Lower Upper

232 100

131 55.5 29.0 43.4#

130 8.9 2.0 3.0#

166 26.8 21.4 32.2



Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

25000

20000

15000

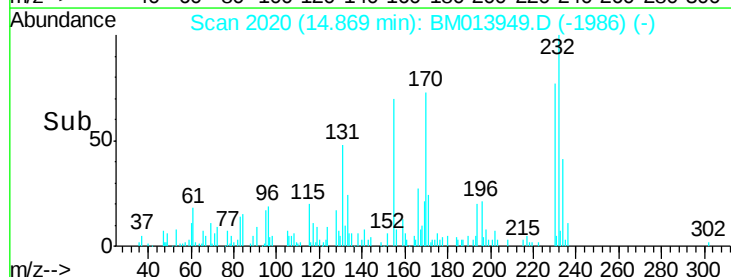
10000

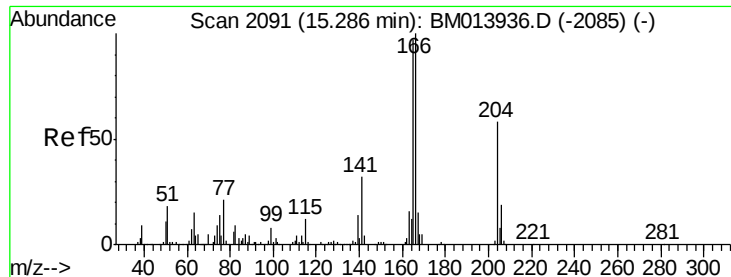
5000

0

14.85 14.90

Time-->





#58

Fluorene

Concen: 18.087 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampleId :

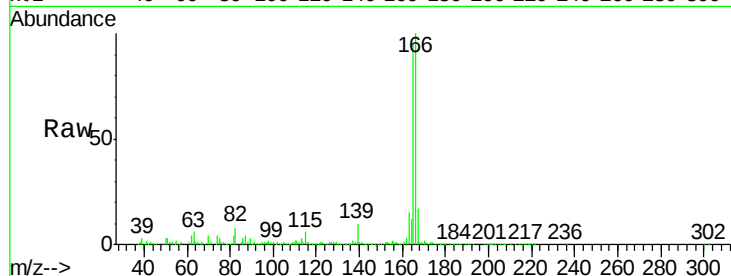
Tot Ion:166 Resp: 657752

Ion Ratio Lower Upper

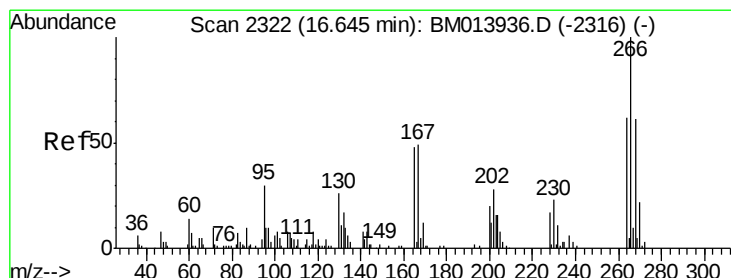
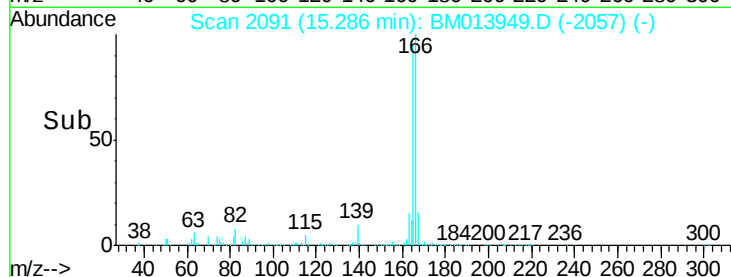
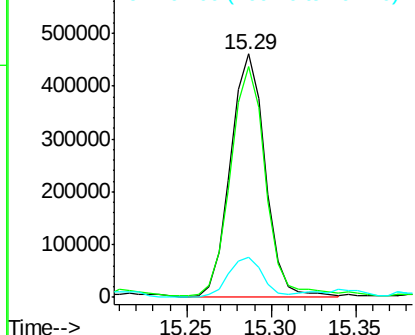
166 100

165 94.8 77.9 116.9

167 16.6 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



#68

Pentachlorophenol

Concen: 139.385 ng/ul

RT: 16.65 min Scan# 2322

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

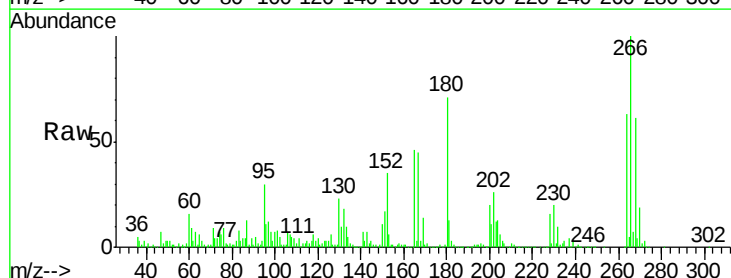
Tgt Ion:266 Resp: 811944

Ion Ratio Lower Upper

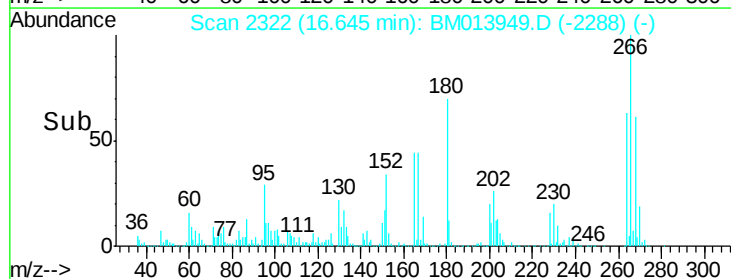
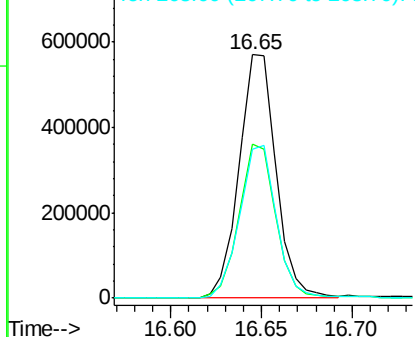
266 100

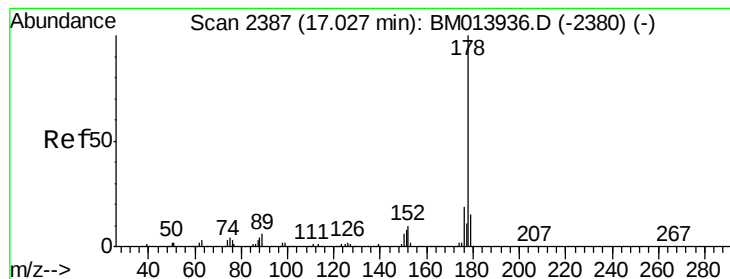
264 63.2 49.3 73.9

268 61.0 52.6 78.8



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E

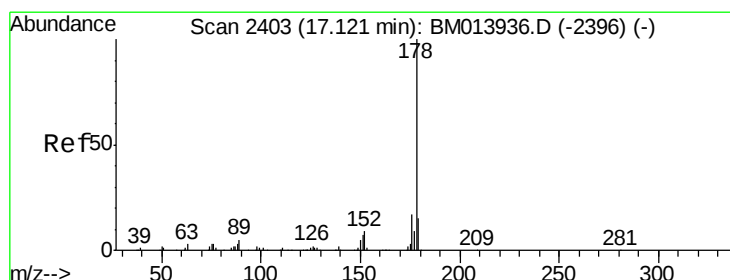
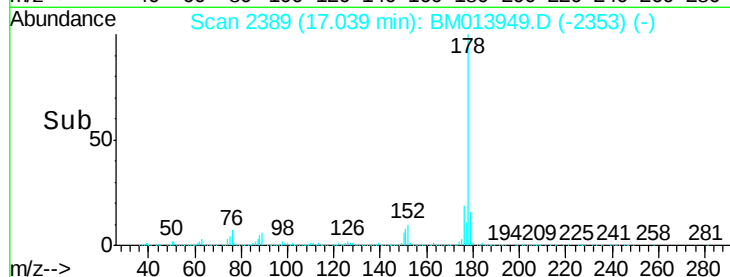
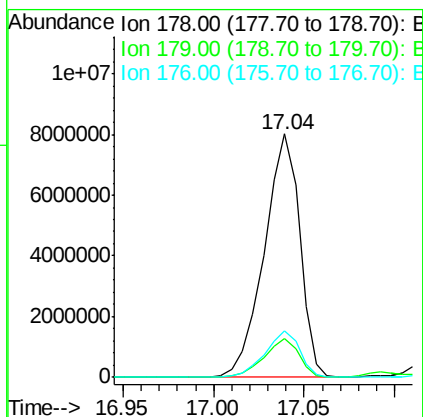
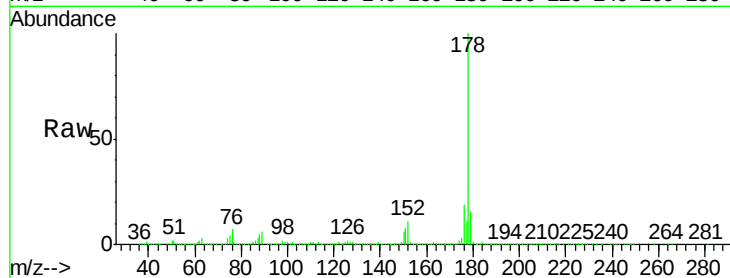




#69
Phenanthrene
Concen: 228.037 ng/ul
RT: 17.04 min Scan# 2389
Delta R.T. 0.01 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

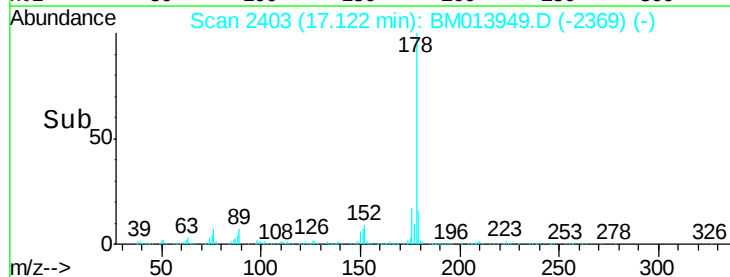
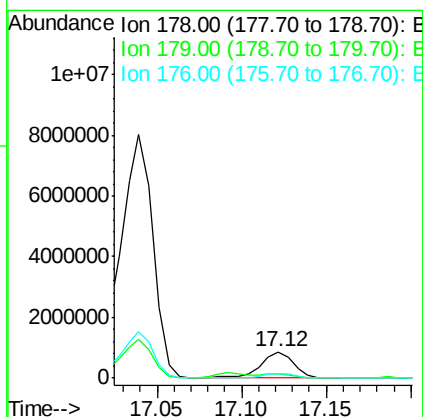
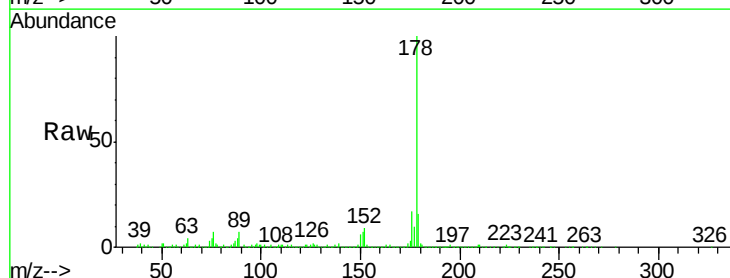
Instrument :
BNA_M
ClientSampleId :

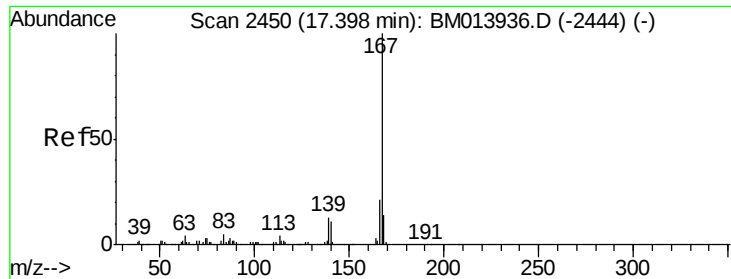
Tot Ion:178 Resp:10929482
Ion Ratio Lower Upper
178 100
179 16.0 12.6 19.0
176 19.2 14.9 22.3



#71
Anthracene
Concen: 24.055 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. 0.00 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

Tgt Ion:178 Resp: 1189198
Ion Ratio Lower Upper
178 100
179 15.8 11.7 17.5
176 17.3 14.6 21.8

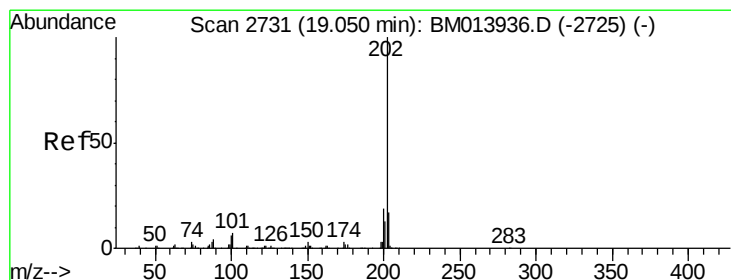
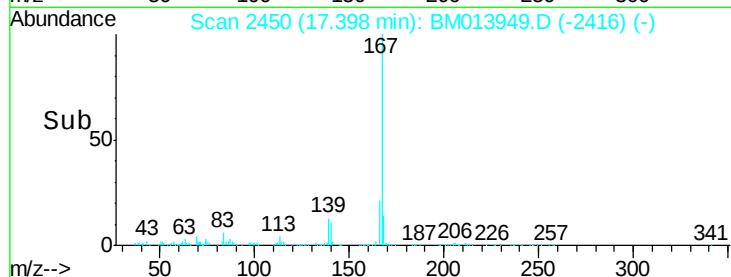
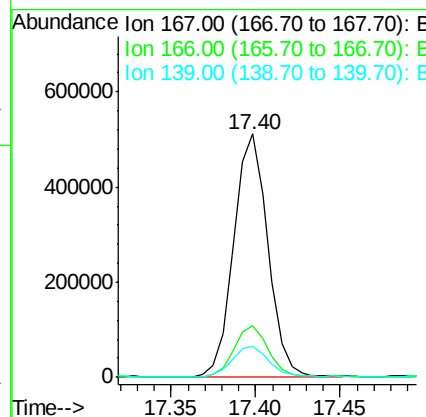
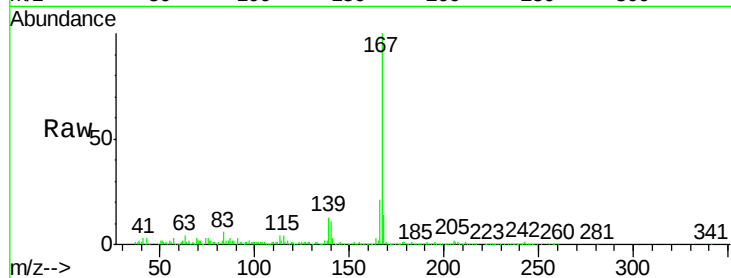




#72
 Carbazole
 Concen: 17.482 ng/ul
 RT: 17.40 min Scan# 2450
 Delta R.T. 0.00 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

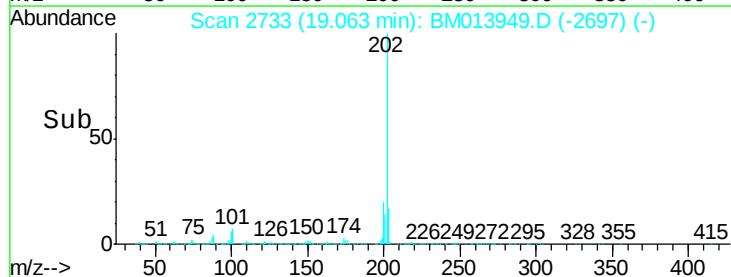
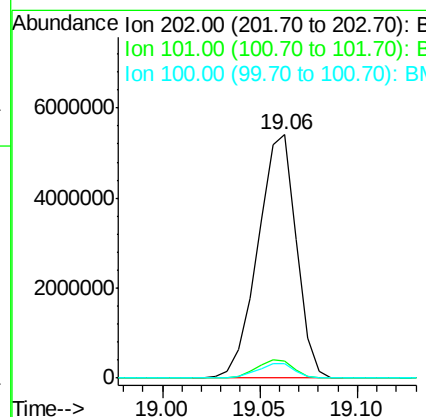
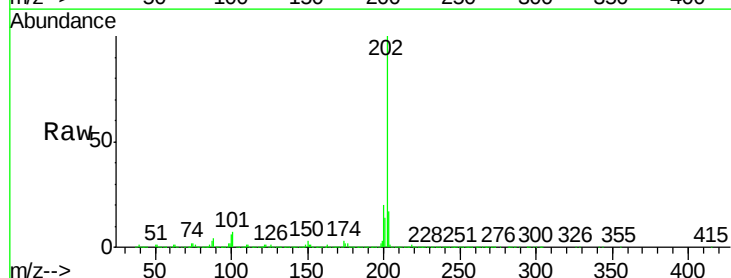
Instrument :
 BNA_M
 ClientSampleId :

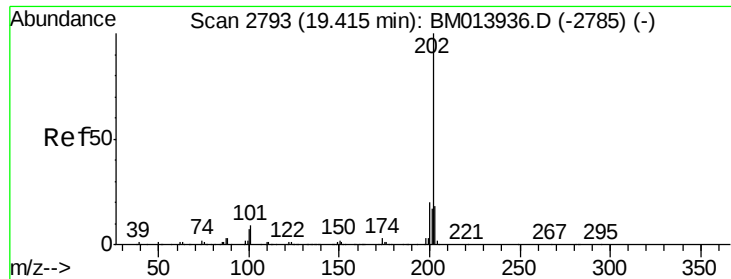
Tot Ion:167 Resp: 713371
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.1 25.7
 139 13.0 10.0 15.0



#74
 Fluoranthene
 Concen: 128.684 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

Tgt Ion:202 Resp: 7362195
 Ion Ratio Lower Upper
 202 100
 101 6.9 4.6 7.0
 100 5.8 3.4 5.2#

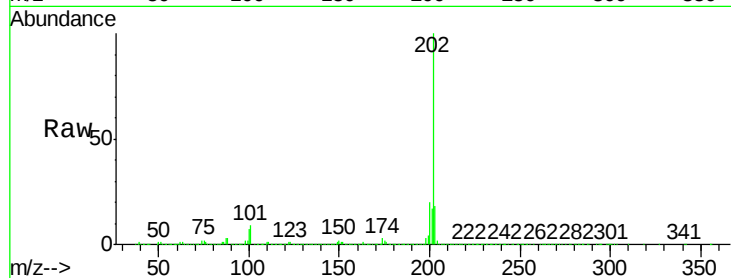




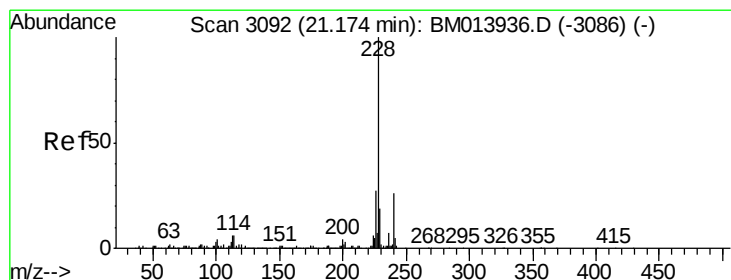
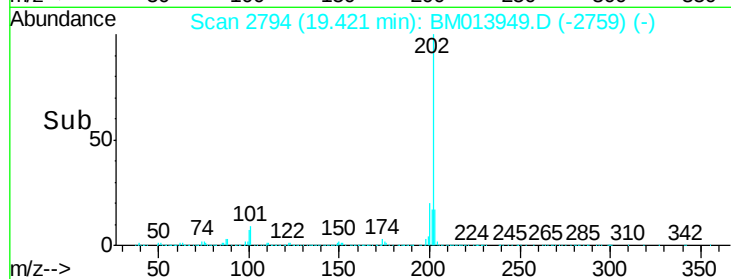
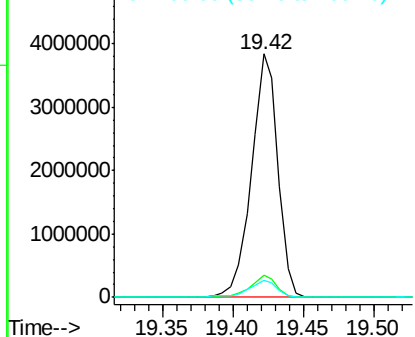
#77
 Pvrene
 Concen: 114.517 ng/ul
 RT: 19.42 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 5034169
 Ion Ratio Lower Upper
 202 100
 101 8.9 5.1 7.7#
 100 7.2 4.9 7.3

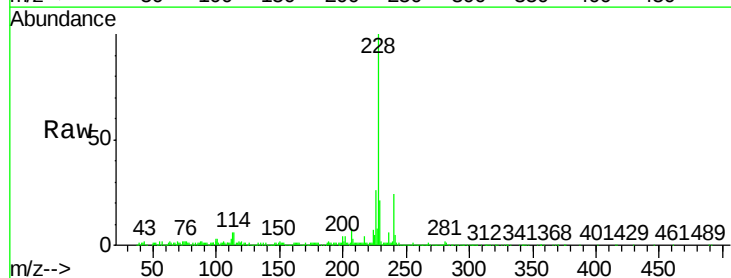


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

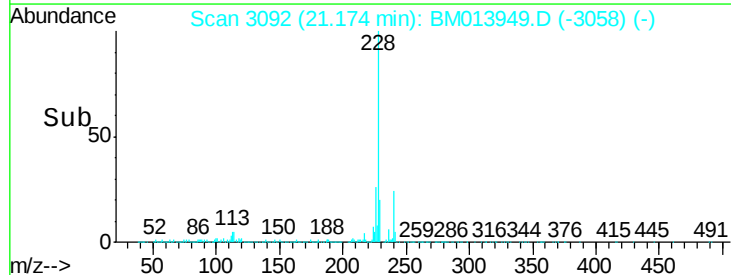
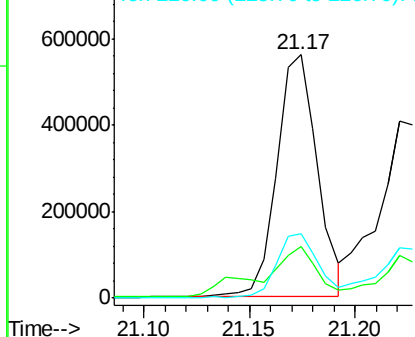


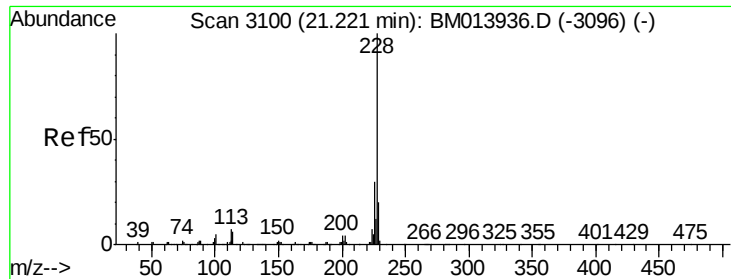
#80
 Benzo(a)anthracene
 Concen: 17.011 ng/ul
 RT: 21.17 min Scan# 3092
 Delta R.T. 0.00 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

Tgt Ion:228 Resp: 743290
 Ion Ratio Lower Upper
 228 100
 229 21.0 15.4 23.0
 226 26.4 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: 18.543 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. -0.05 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

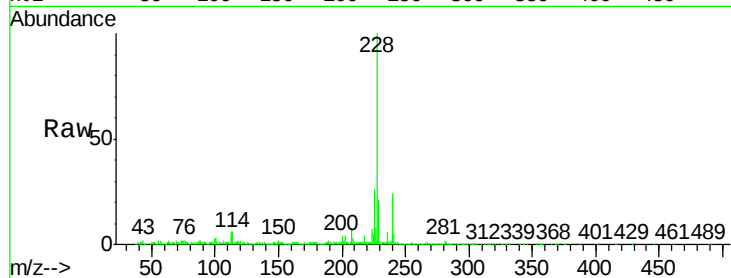
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 743290

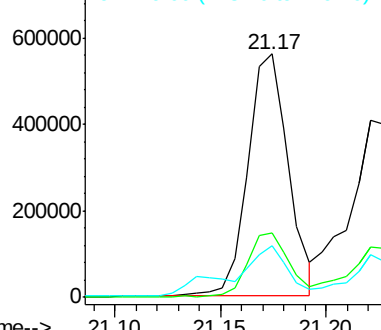
Ion	Ratio	Lower	Upper
228	100		
226	26.4	23.4	35.2
229	21.0	15.5	23.3



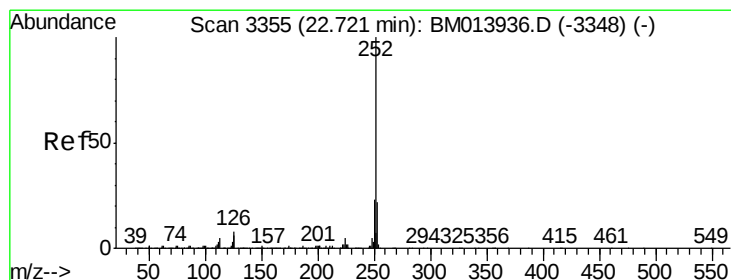
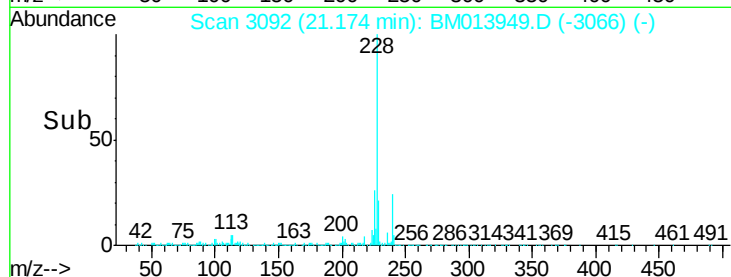
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 10.391 ng/ul

RT: 22.72 min Scan# 3355

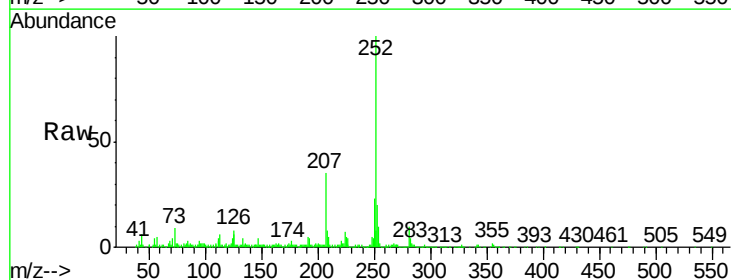
Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Tgt Ion:252 Resp: 449603

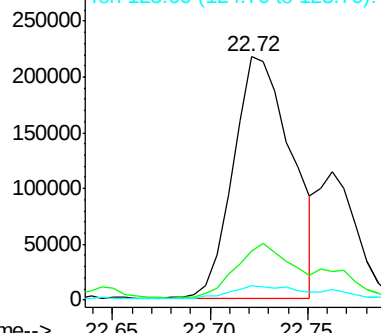
Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.9	26.9
125	6.1	3.6	5.4



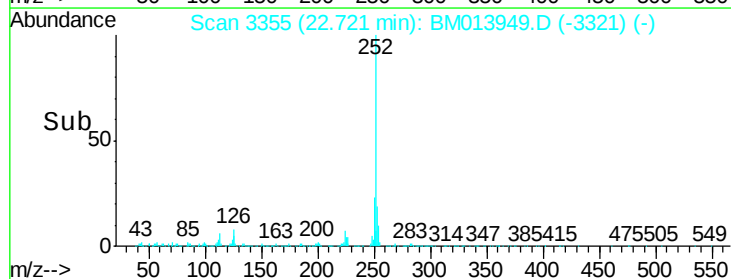
Abundance Ion 252.00 (251.70 to 252.70): E

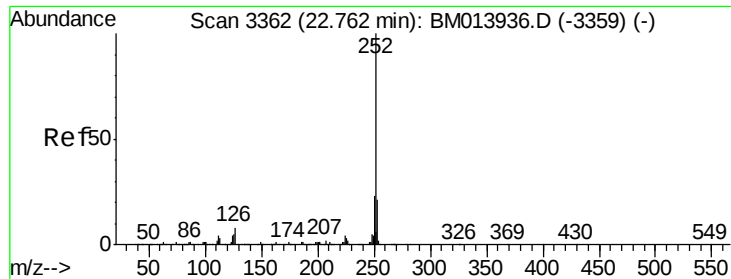
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#86

Benzo(k)fluoranthene

Concen: 3.692 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampleId :

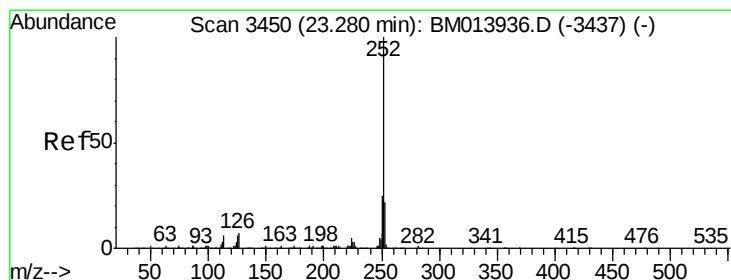
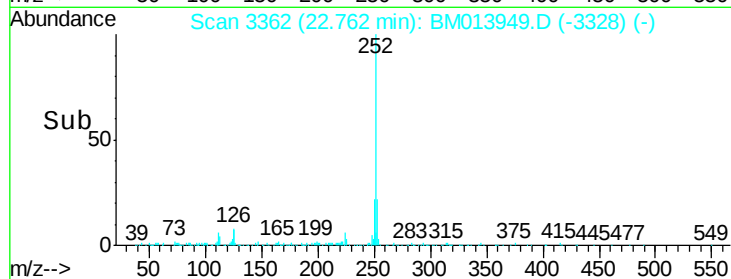
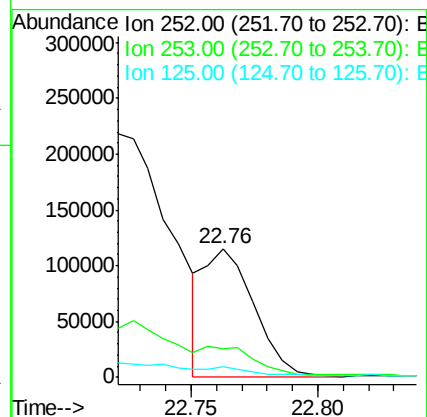
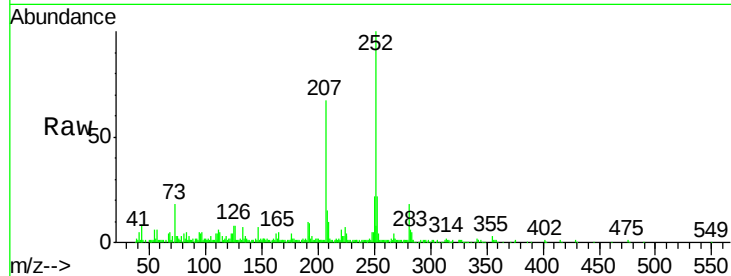
Tot Ion:252 Resp: 154412

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 7.9 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 4.849 ng/ul

RT: 23.28 min Scan# 3450

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

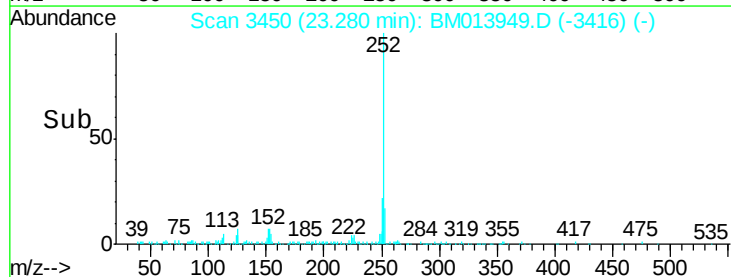
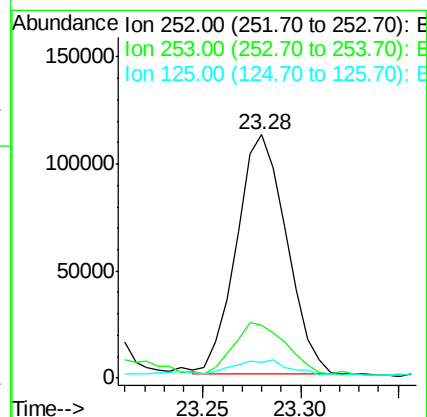
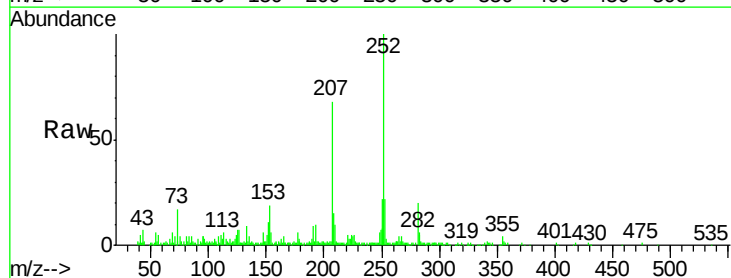
Tgt Ion:252 Resp: 198203

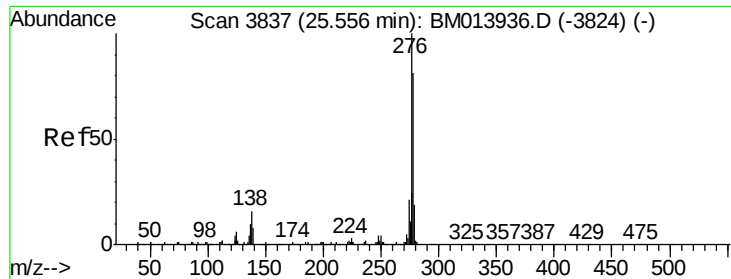
Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

125 6.6 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.835 ng/ul

RT: 25.56 min Scan# 3837

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampleId :

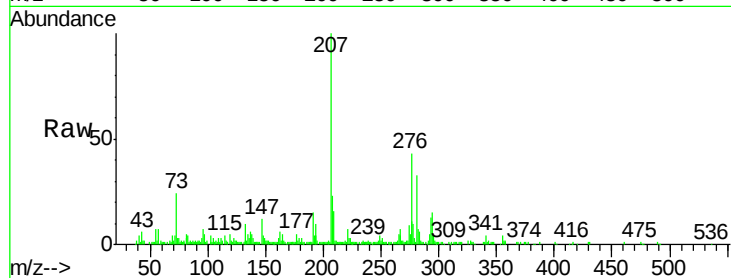
Tot Ion: 276 Resp: 88529

Ion Ratio Lower Upper

276 100

138 12.7 9.3 13.9

277 26.3 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

