

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012134.D
 Acq On : 13 Oct 2017 13:18
 Operator : SJ/JU
 Sample : I5550-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 18:50:38 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	209739	20.00	ng/ul	0.02
18) Naphthalene-d8	10.65	136	880818	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	531822	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.25	188	1189322	20.00	ng/ul	0.02
75) Chrysene-d12	21.43	240	1116392	20.00	ng/ul	0.03
83) Perylene-d12	23.78	264	1065050	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	11458	2.60	ng/uL	0.00
5) Phenol-d5	7.02	99	304550	17.90	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	190071	18.62	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	269979	18.70	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	260974	17.81	ng/ul	0.02
19) Nitrobenzene-d5	9.02	128	135429	20.15	ng/ul	0.02
22) 2-Nitrophenol-d4	9.74	143	159695	20.33	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.28	165	295502	19.71	ng/ul	0.02
29) 4-Chloroaniline-d4	10.80	131	98599	7.03	ng/ul	0.02
43) Dimethylphthalate-d6	13.90	166	946432	20.14	ng/ul	0.02
46) Acenaphthylene-d8	14.19	160	1195651	21.01	ng/ul	0.02
51) 4-Nitrophenol-d4	14.73	143	102221	14.47	ng/ul	0.05
57) Fluorene-d10	15.49	176	811488	21.03	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.64	200	49582	6.07	ng/ul	0.04
70) Anthracene-d10	17.35	188	1236149	21.02	ng/ul	0.03
76) Pyrene-d10	19.64	212	1304389	23.02	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.63	264	1139280	22.19	ng/ul	0.06

Target Compounds

					Ovalue	
6) Phenol	7.05	94	18860	1.072	ng/ul	95
28) Naphthalene	10.70	128	124446	2.731	ng/ul#	97
30) 4-Chloroaniline	10.82	127	20521	1.487	ng/ul	93
34) 2-Methylnaphthalene	12.32	142	41206	1.198	ng/ul	98
44) Dimethylphthalate	13.95	163	384115	8.157	ng/ul	98
49) Acenaphthene	14.56	153	121994	3.242	ng/ul	99
53) Dibenzofuran	14.90	168	87862	1.621	ng/ul	95
58) Fluorene	15.55	166	116580	2.590	ng/ul	100
69) Phenanthrene	17.29	178	1676894	24.785	ng/ul	99
71) Anthracene	17.38	178	324708	4.636	ng/ul	96
72) Carbazole	17.66	167	205836	3.472	ng/ul	98
73) Di-n-butylphthalate	18.20	149	309614	3.762	ng/ul	98
74) Fluoranthene	19.31	202	2832172	34.687	ng/ul#	92
77) Pyrene	19.67	202	2402554	32.587	ng/ul#	92
80) Benzo(a)anthracene	21.42	228	1218896	16.779	ng/ul#	94
81) Bis(2-ethylhexyl)phthalate	21.32	149	402023	8.163	ng/ul	99
82) Chrysene	21.47	228	1371977	20.116	ng/ul#	95
85) Benzo(b)fluoranthene	23.07	252	1839633	26.468	ng/ul#	92
86) Benzo(k)fluoranthene	23.07	252	1839633	27.466	ng/ul#	91
88) Benzo(a)pyrene	23.68	252	1107456	16.906	ng/ul#	88
89) Indeno(1,2,3-cd)pyrene	26.20	276	811573	11.666	ng/ul#	91
90) Dibenzo(a,h)anthracene	26.20	278	221595	3.789	ng/ul#	53
91) Benzo(g,h,i)perylene	26.94	276	706549	12.401	ng/ul#	84

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QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

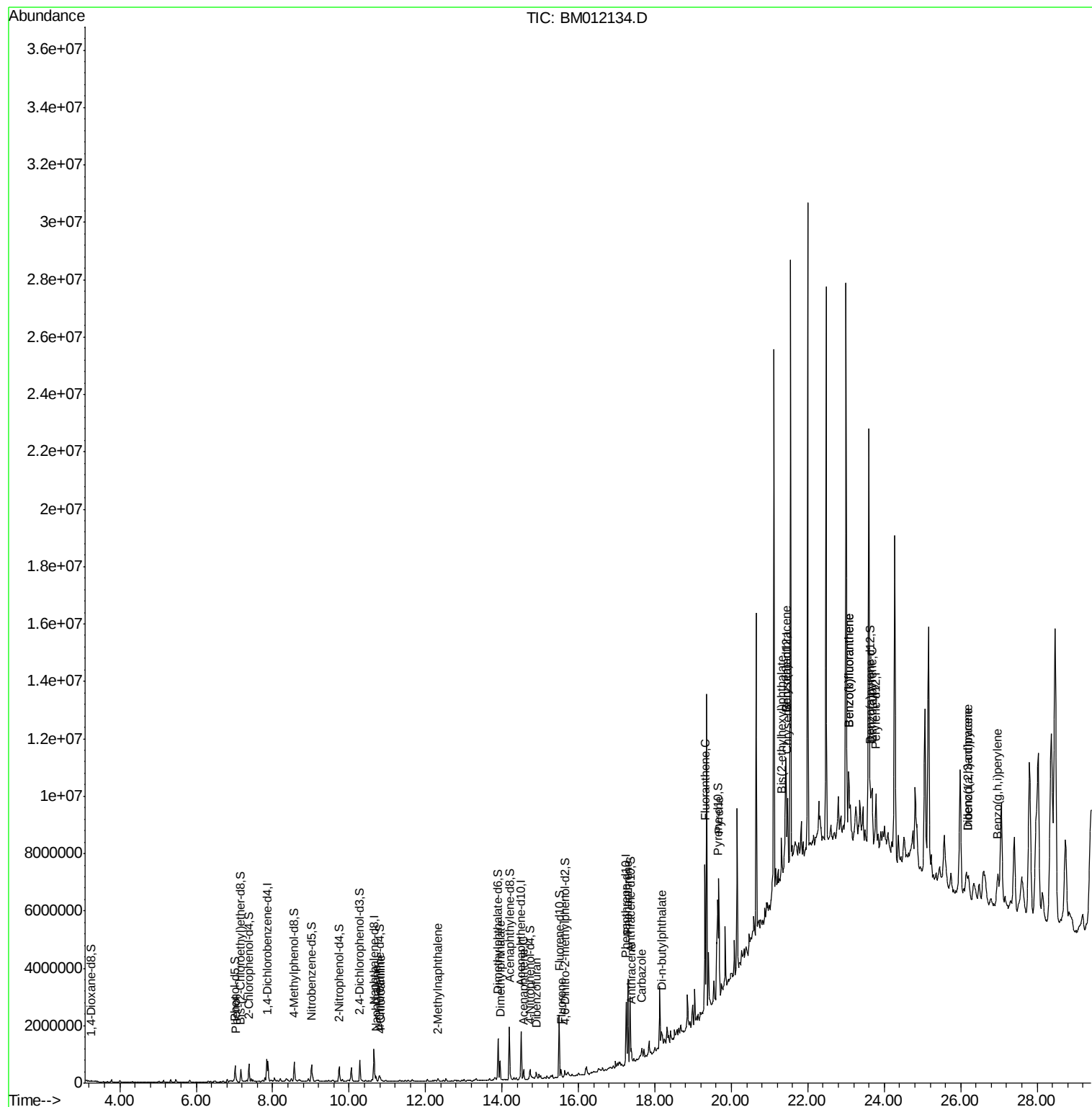
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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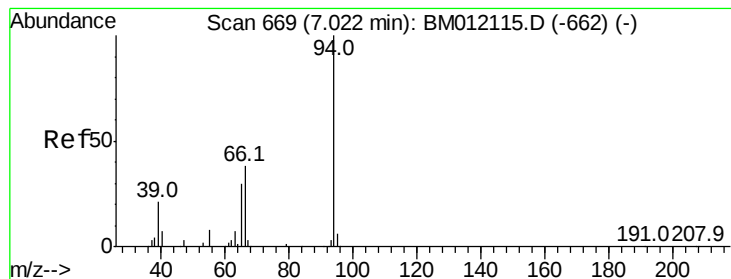
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BM012134.D
Acq On : 13 Oct 2017 13:18
Operator : SJ/JU
Sample : I5550-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Oct 13 18:50:38 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.072 ng/ul

RT: 7.05 min Scan# 673

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Instrument :

BNA_M

ClientSampleId :

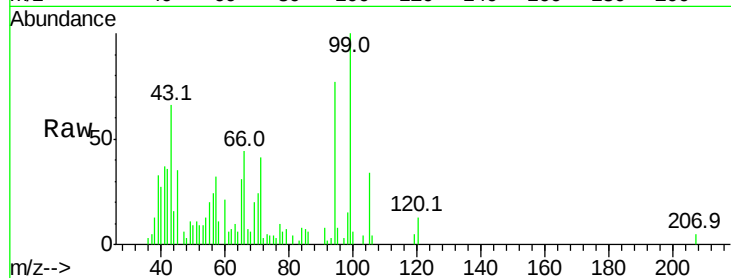
Tot Ion: 94 Resp: 18860

Ion Ratio Lower Upper

94 100

65 40.3 28.2 42.4

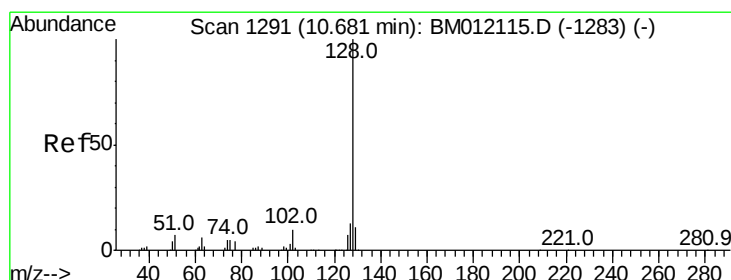
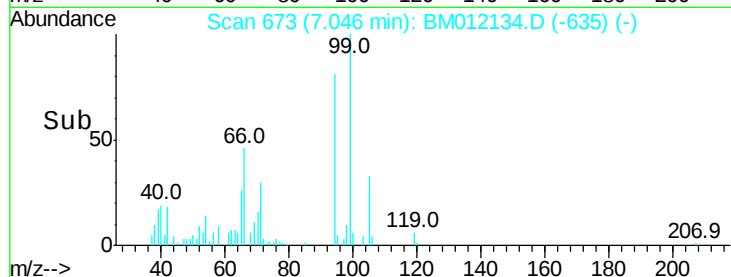
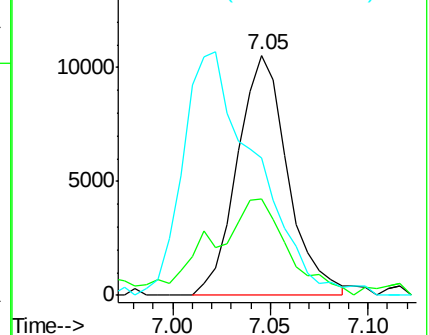
66 57.4 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM012115.D (-662) (-)

Ion 65.00 (64.70 to 65.70): BM012115.D (-662) (-)

Ion 66.00 (65.70 to 66.70): BM012115.D (-662) (-)



#28

Naphthalene

Concen: 2.731 ng/ul

RT: 10.70 min Scan# 1294

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

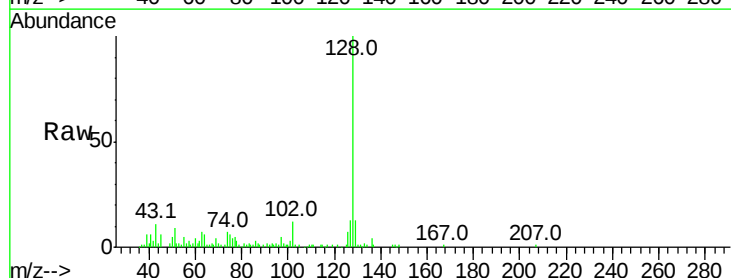
Tgt Ion: 128 Resp: 124446

Ion Ratio Lower Upper

128 100

129 13.3 8.8 13.2#

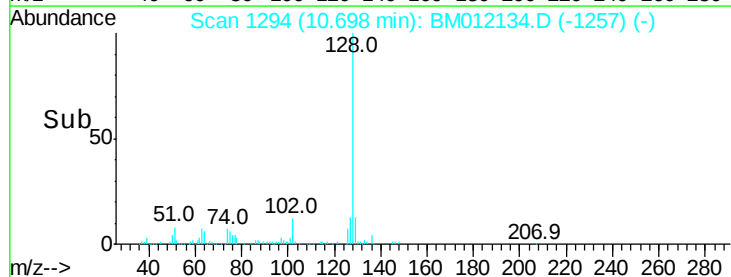
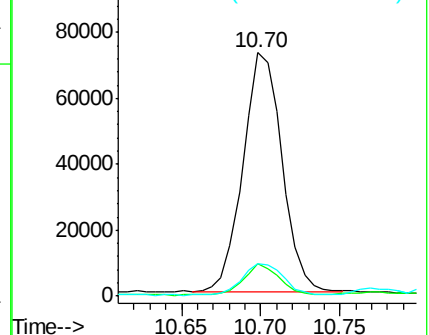
127 13.3 10.6 16.0

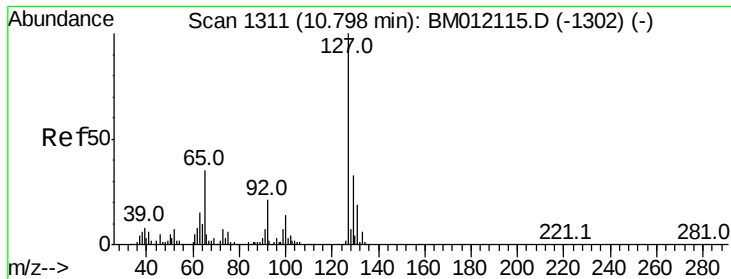


Abundance Ion 128.00 (127.70 to 128.70): BM012115.D (-1283) (-)

Ion 129.00 (128.70 to 129.70): BM012115.D (-1283) (-)

Ion 127.00 (126.70 to 127.70): BM012115.D (-1283) (-)

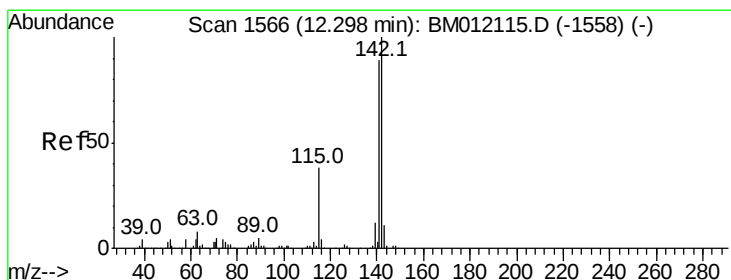
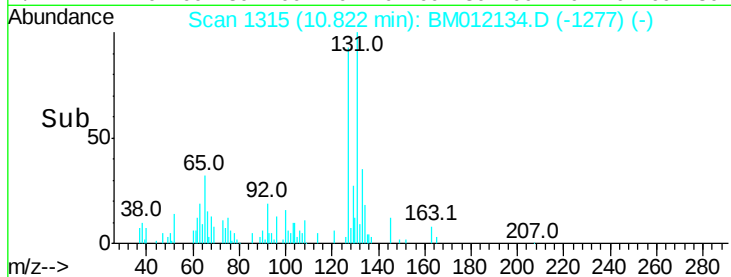
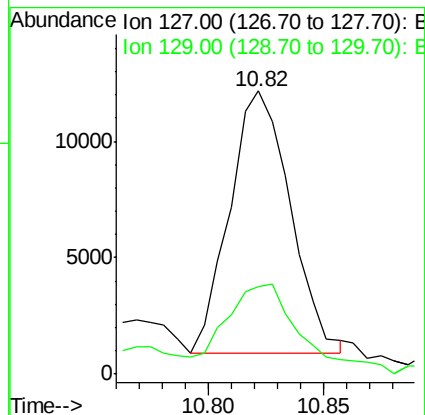
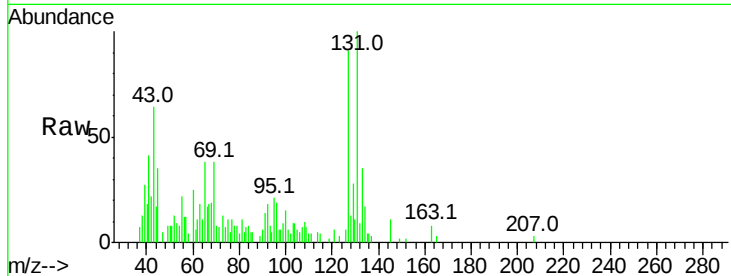




#30
4-Chloroaniline
Concen: 1.487 ng/ul
RT: 10.82 min Scan# 1315
Delta R.T. 0.02 min
Lab File: BM012134.D
Acq: 13 Oct 2017 13:18

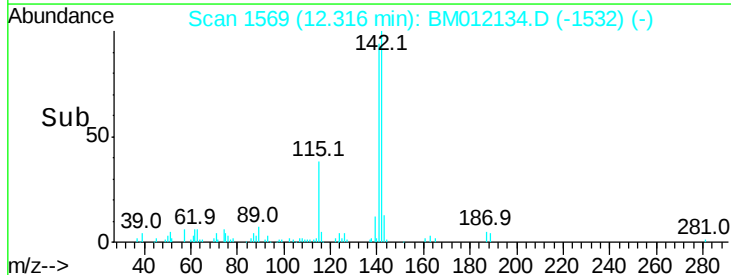
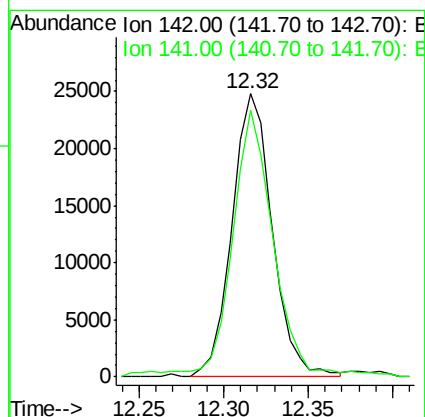
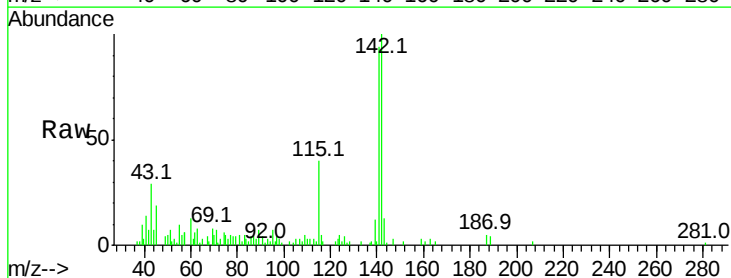
Instrument :
BNA_M
ClientSampleId :

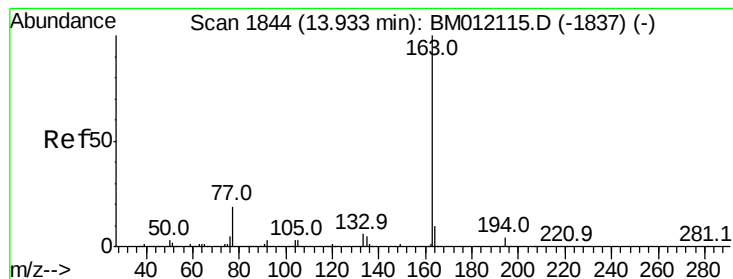
Tot Ion:127 Resp: 20521
Ion Ratio Lower Upper
127 100
129 31.1 28.4 42.6



#34
2-Methylnaphthalene
Concen: 1.198 ng/ul
RT: 12.32 min Scan# 1569
Delta R.T. 0.02 min
Lab File: BM012134.D
Acq: 13 Oct 2017 13:18

Tgt Ion:142 Resp: 41206
Ion Ratio Lower Upper
142 100
141 94.4 74.1 111.1





#44

Dimethylphthalate

Concen: 8.157 ng/ul

RT: 13.95 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Instrument :

BNA_M

ClientSampleId :

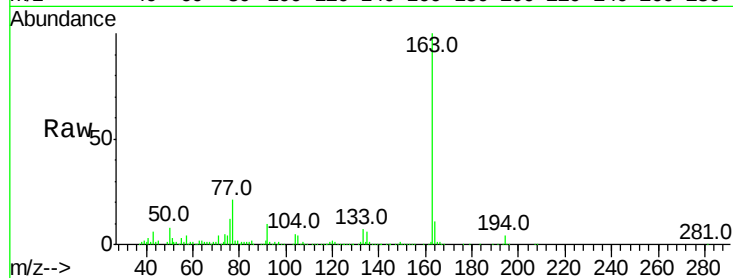
Tot Ion:163 Resp: 384115

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

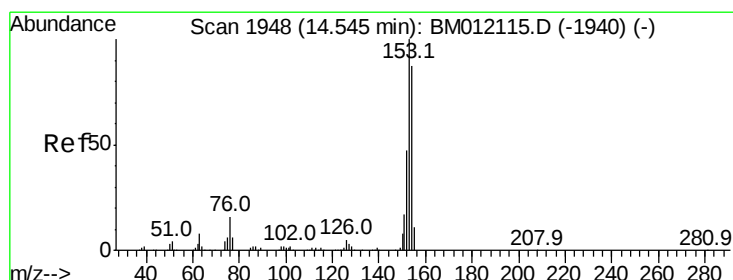
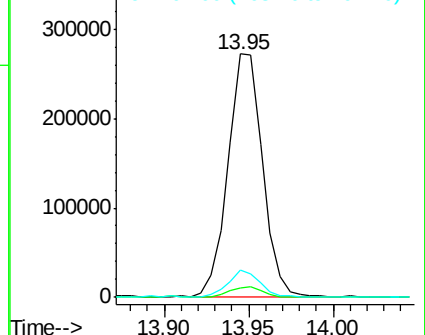
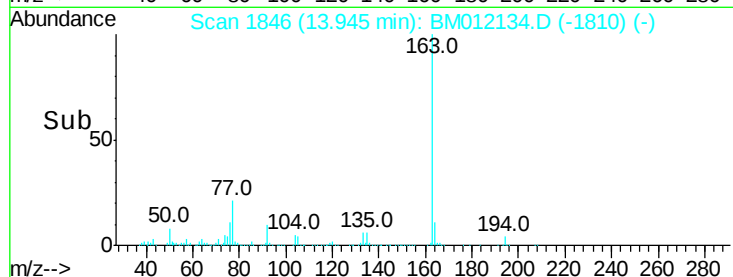
164 11.0 8.2 12.4



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



#49

Acenaphthene

Concen: 3.242 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

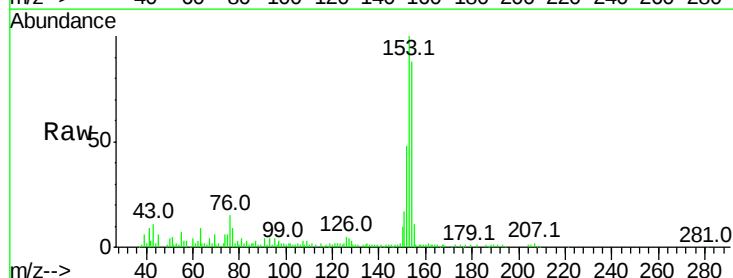
Tgt Ion:153 Resp: 121994

Ion Ratio Lower Upper

153 100

152 47.6 37.6 56.4

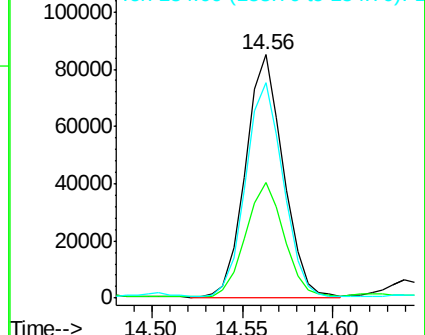
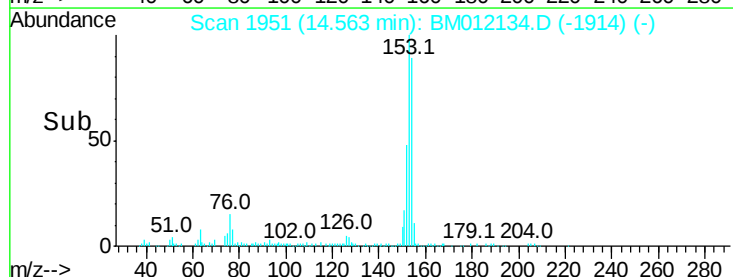
154 88.3 70.4 105.6

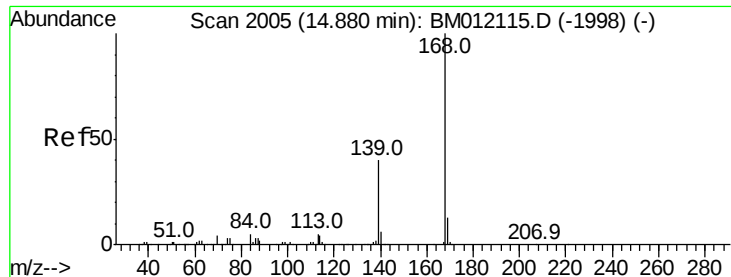


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.621 ng/ul

RT: 14.90 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Instrument :

BNA_M

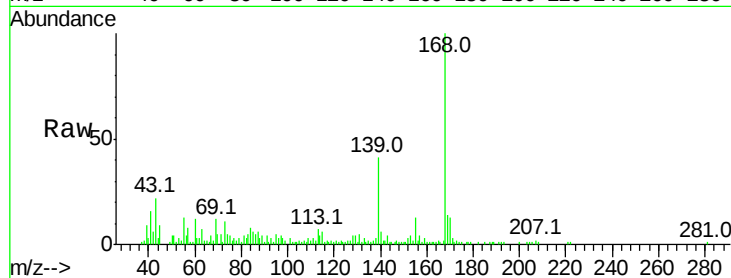
ClientSampleId :

Tot Ion:168 Resp: 87862

Ion Ratio Lower Upper

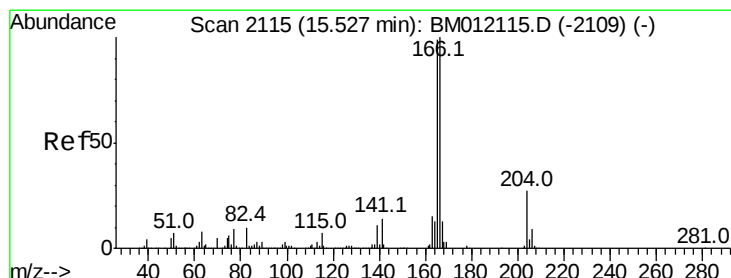
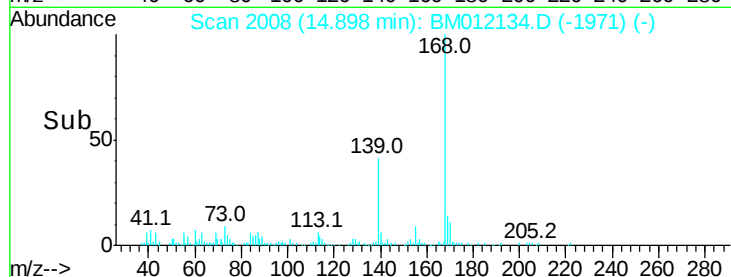
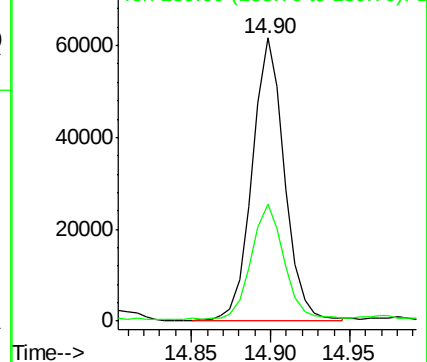
168 100

139 41.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 2.590 ng/ul

RT: 15.55 min Scan# 2119

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

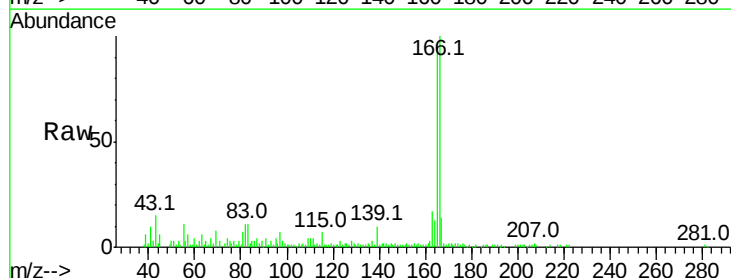
Tgt Ion:166 Resp: 116580

Ion Ratio Lower Upper

166 100

165 97.2 77.9 116.9

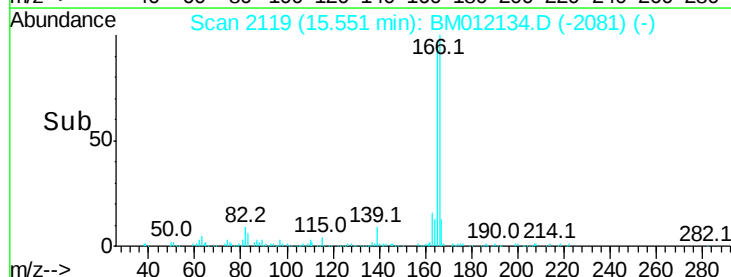
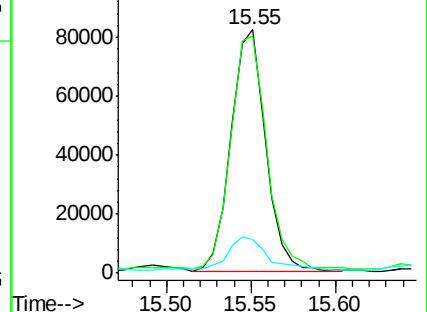
167 14.1 10.6 16.0

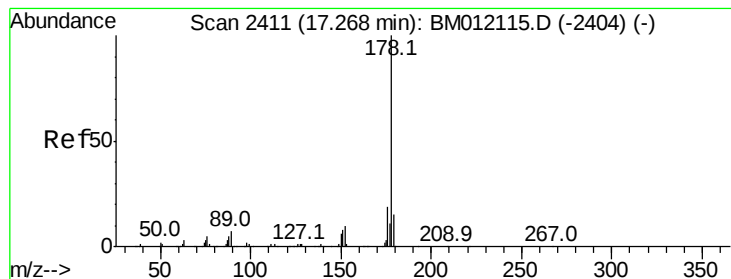


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 24.785 ng/ul

RT: 17.29 min Scan# 2415

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Instrument :

BNA_M

ClientSampleId :

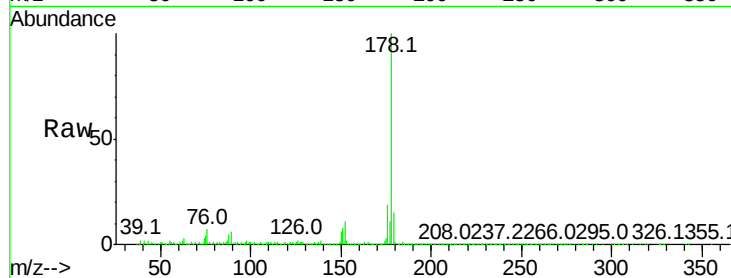
Tot Ion:178 Resp: 1676894

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

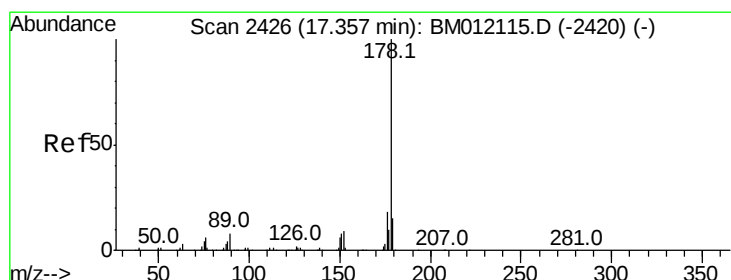
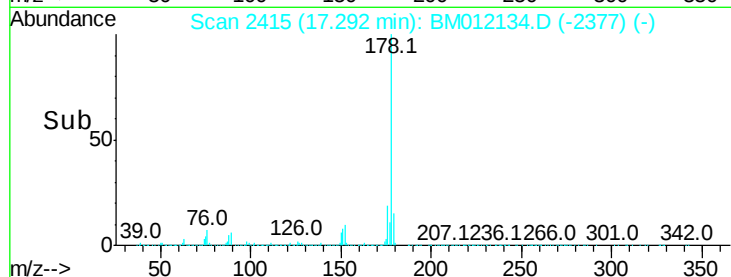
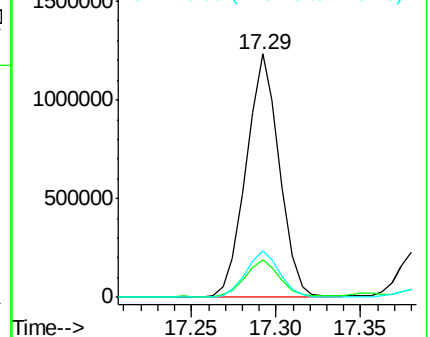
176 19.0 14.9 22.3



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: 4.636 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

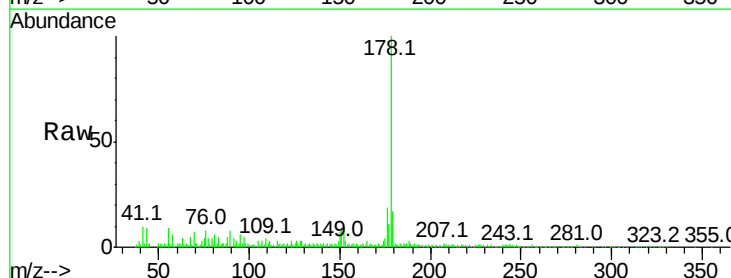
Tgt Ion:178 Resp: 324708

Ion Ratio Lower Upper

178 100

179 17.2 11.7 17.5

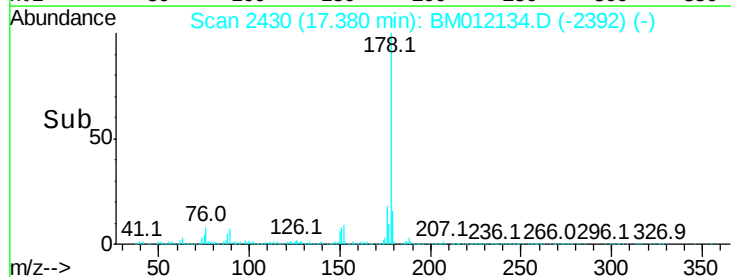
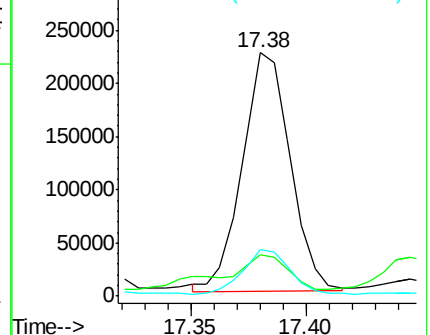
176 18.8 14.6 21.8

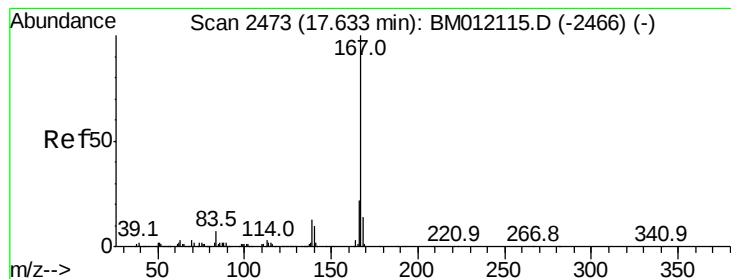


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.472 ng/ul

RT: 17.66 min Scan# 2477

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

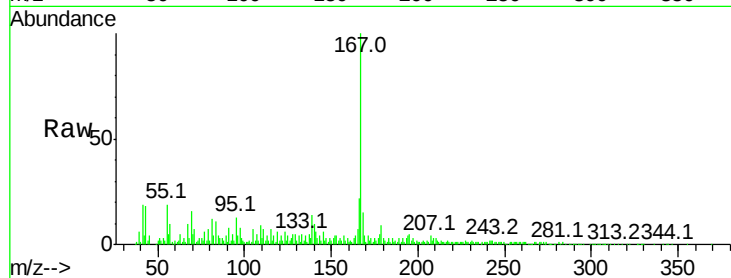
Instrument :

BNA_M

ClientSampleId :

Tot Ion:167 Resp: 205836

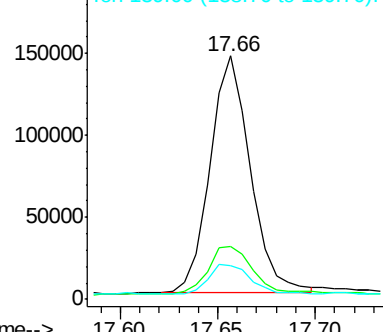
Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.1	25.7
139	13.6	10.0	15.0



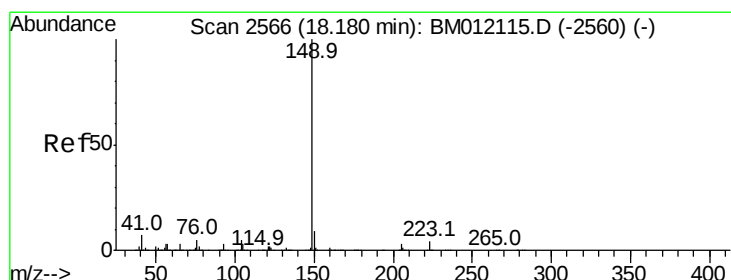
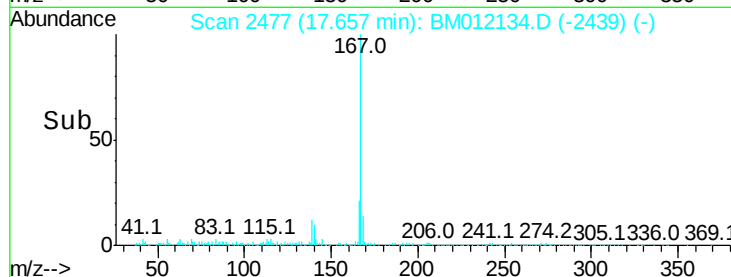
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#73

Di-n-butylphthalate

Concen: 3.762 ng/ul

RT: 18.20 min Scan# 2569

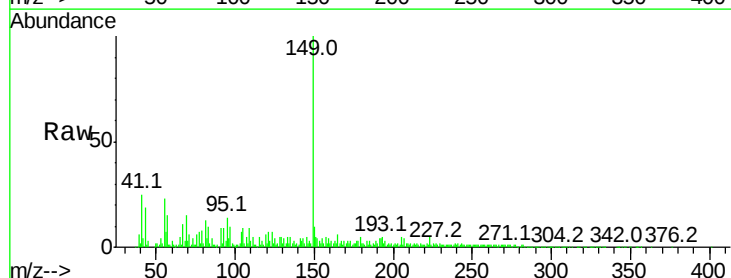
Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Tgt Ion:149 Resp: 309614

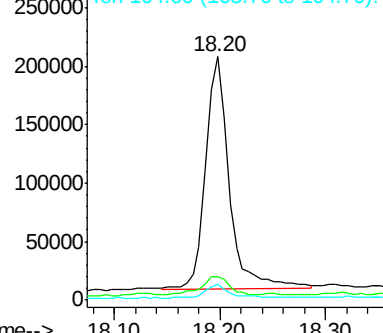
Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.1	10.7
104	6.6	5.6	8.4



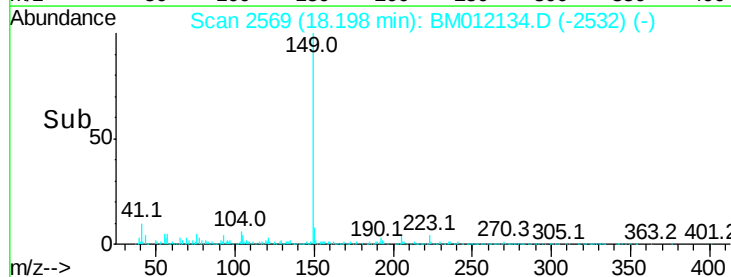
Abundance Ion 149.00 (148.70 to 149.70): E

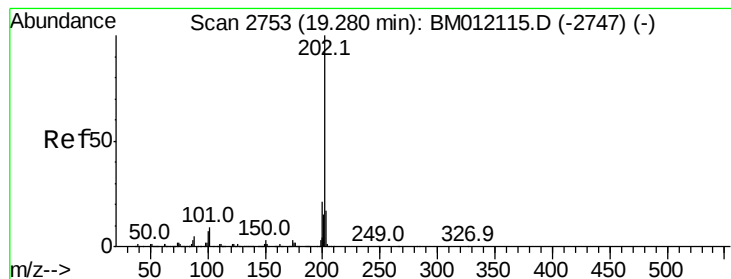
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#74

Fluoranthene

Concen: 34.687 ng/ul

RT: 19.31 min Scan# 2758

Delta R.T. 0.03 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Instrument :

BNA_M

ClientSampled :

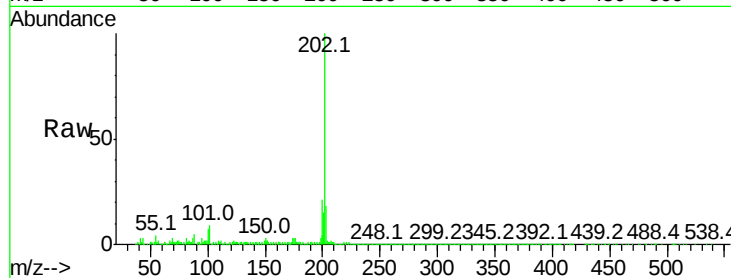
Tot Ion:202 Resp: 2832172

Ion Ratio Lower Upper

202 100

101 8.8 4.6 7.0#

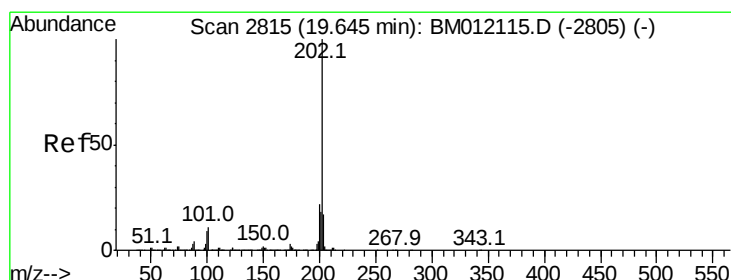
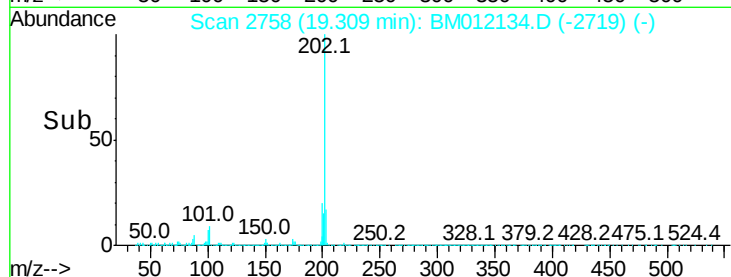
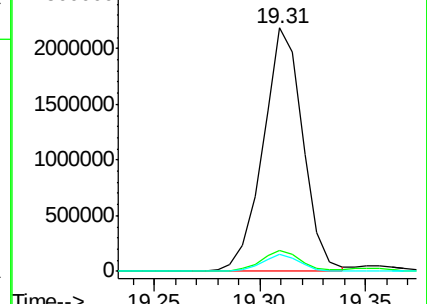
100 6.8 3.4 5.2#



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

Pyrene

Concen: 32.587 ng/ul

RT: 19.67 min Scan# 2820

Delta R.T. 0.03 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

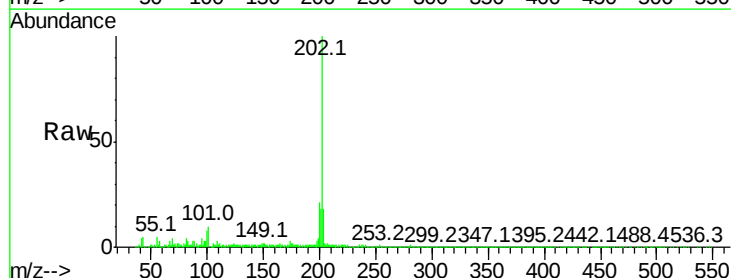
Tgt Ion:202 Resp: 2402554

Ion Ratio Lower Upper

202 100

101 9.5 5.1 7.7#

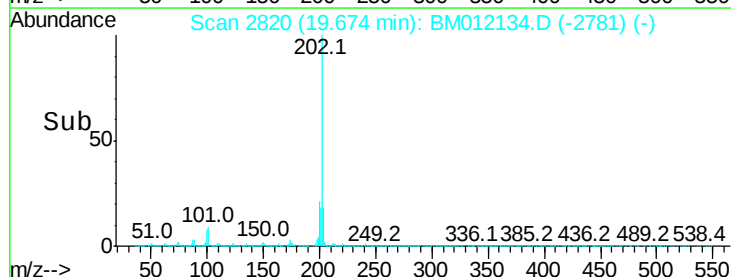
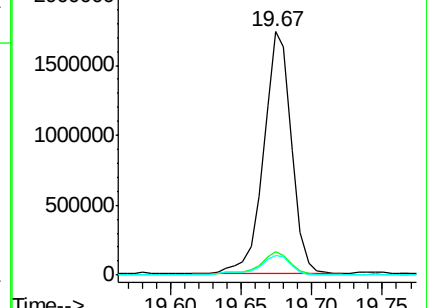
100 8.3 4.9 7.3#

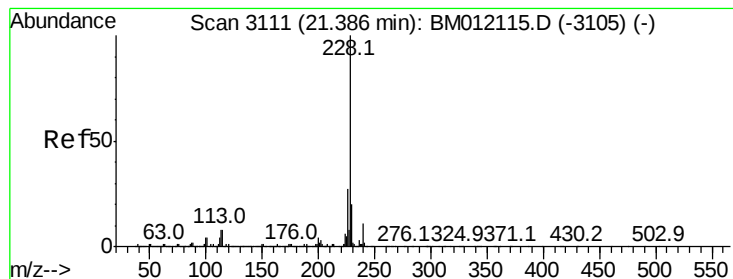


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 16.779 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.04 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Instrument :

BNA_M

ClientSampled :

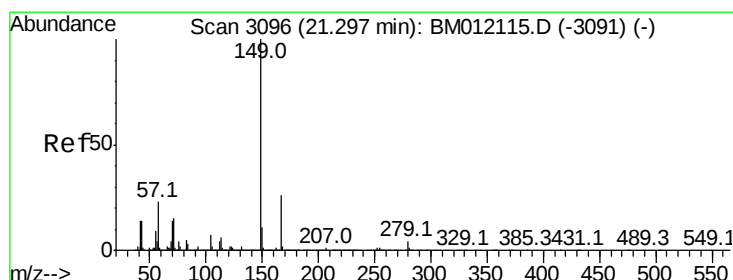
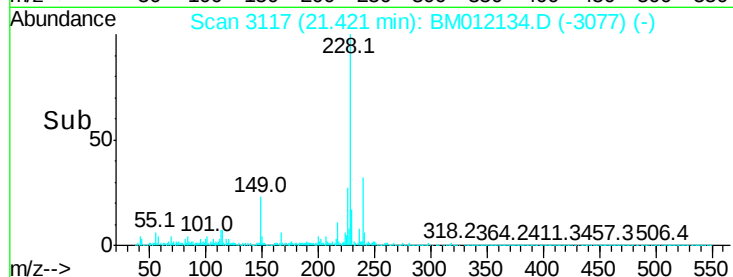
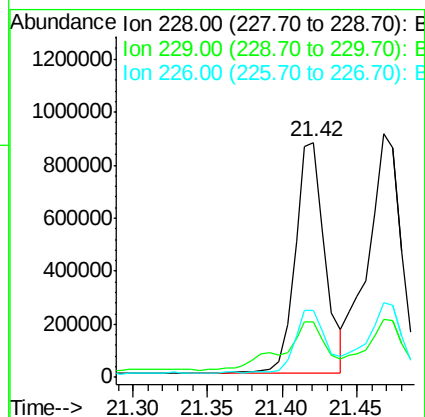
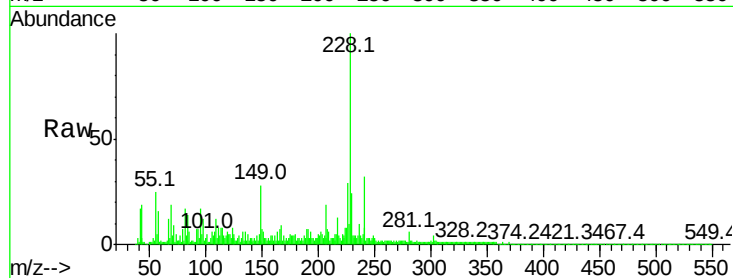
Tot Ion:228 Resp: 1218896

Ion	Ratio	Lower	Upper
228	100		
229	23.7	15.4	23.0
226	28.6	21.4	32.0

228 100

229 23.7 15.4 23.0

226 28.6 21.4 32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 8.163 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

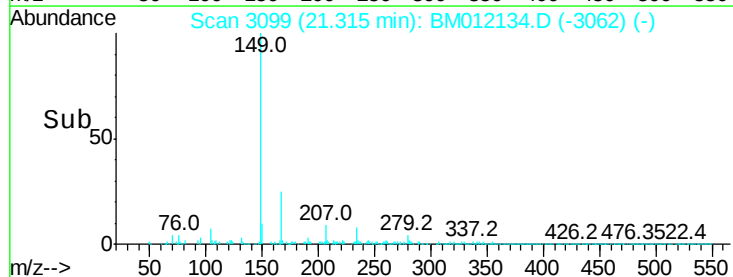
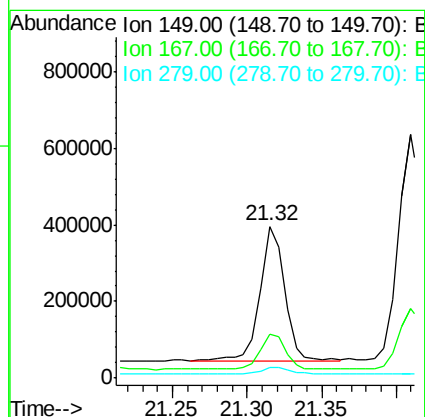
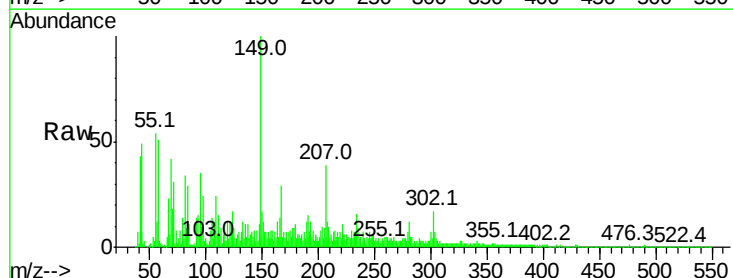
Tgt Ion:149 Resp: 402023

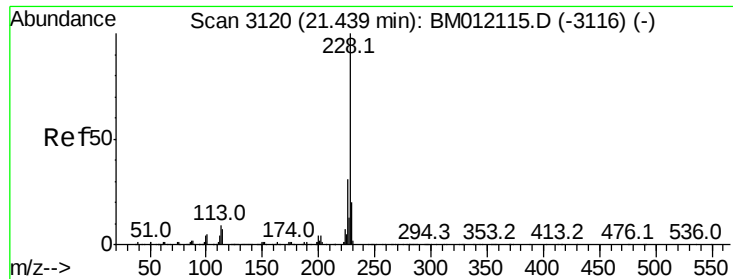
Ion	Ratio	Lower	Upper
149	100		
167	28.7	22.8	34.2
279	6.8	4.9	7.3

149 100

167 28.7 22.8 34.2

279 6.8 4.9 7.3





#82

Chrysene

Concen: 20.116 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. 0.03 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

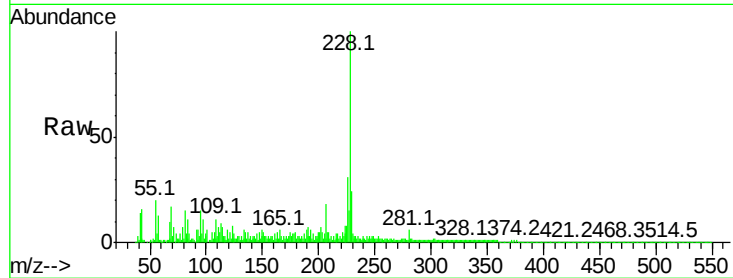
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1371977

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	23.6	15.5	23.3#

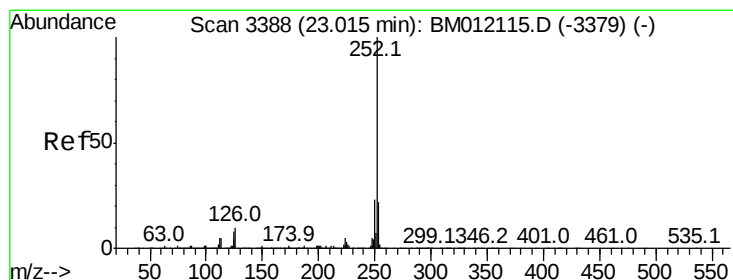
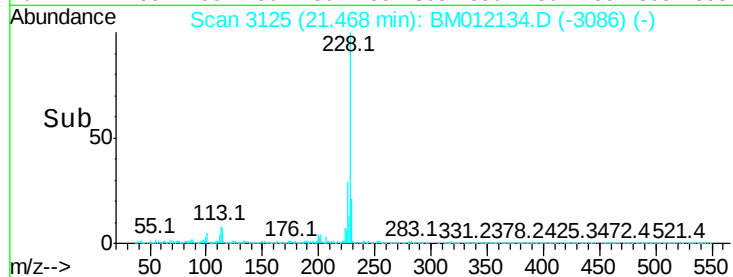
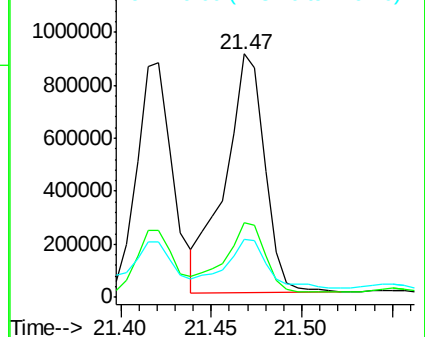


Abundance

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: 26.468 ng/ul

RT: 23.07 min Scan# 3398

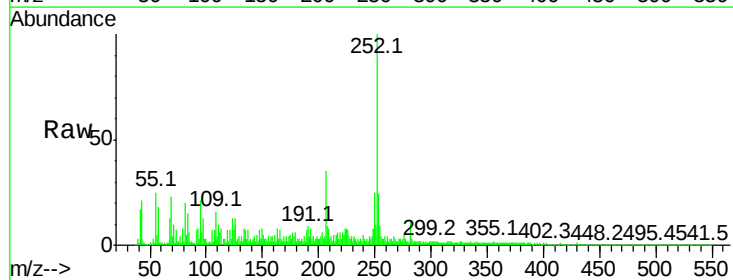
Delta R.T. 0.06 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Tgt Ion:252 Resp: 1839633

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	12.7	3.6	5.4#

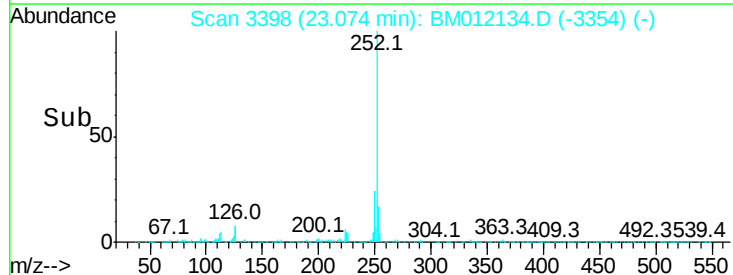
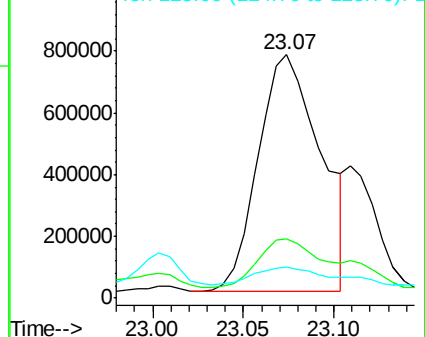


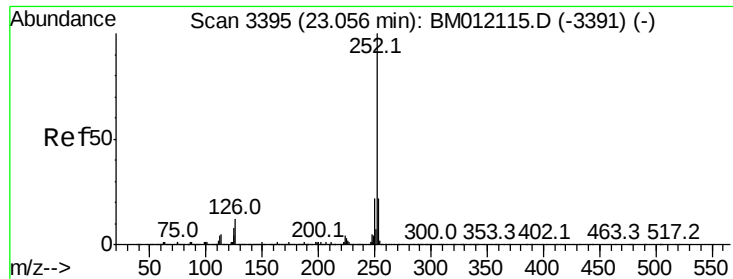
Abundance

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: 27.466 ng/ul

RT: 23.07 min Scan# 3398

Delta R.T. 0.02 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Instrument :

BNA_M

ClientSampled :

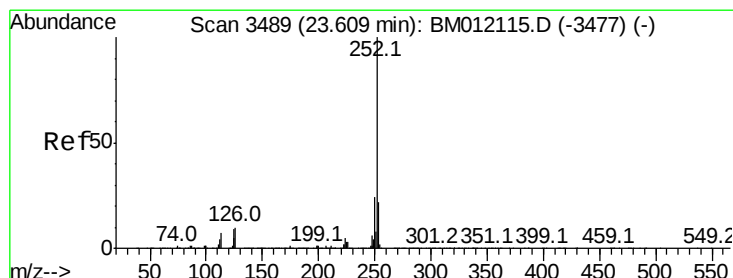
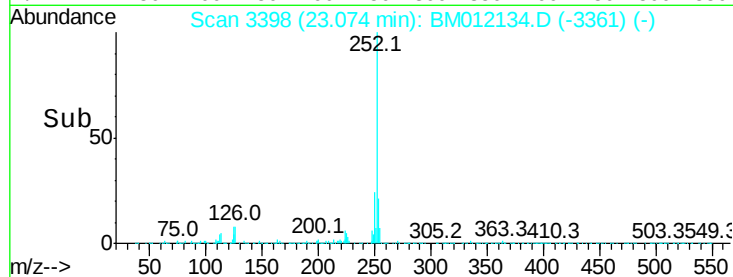
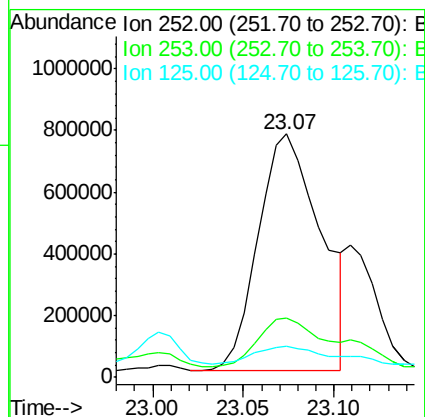
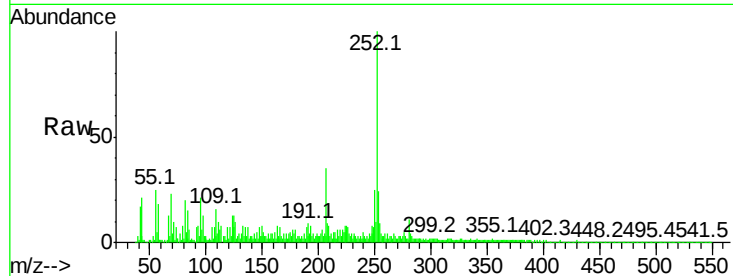
Tot Ion:252 Resp: 1839633

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

125 12.7 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 16.906 ng/ul

RT: 23.68 min Scan# 3501

Delta R.T. 0.07 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

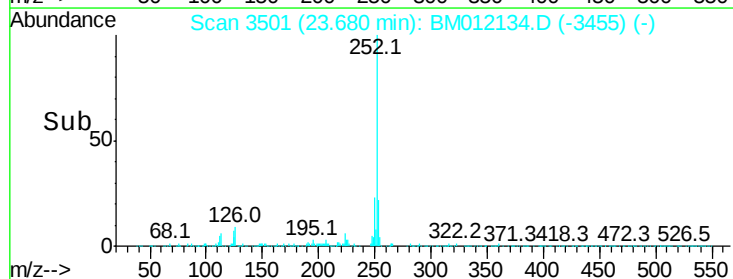
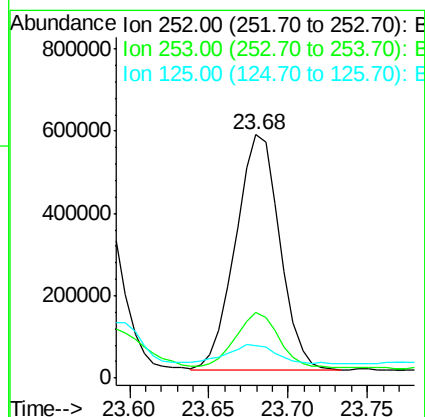
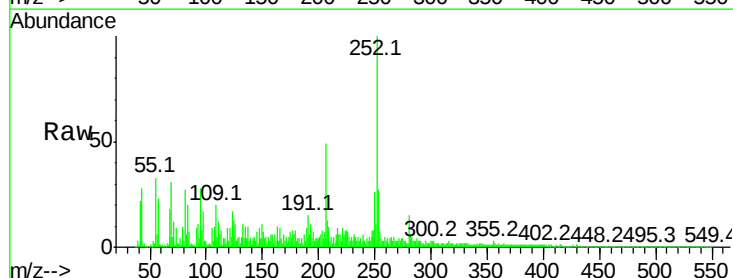
Tgt Ion:252 Resp: 1107456

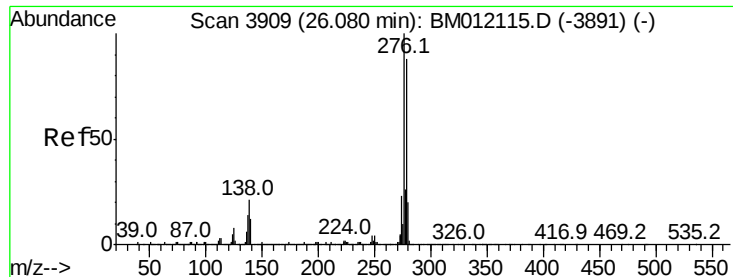
Ion Ratio Lower Upper

252 100

253 26.9 18.2 27.2

125 13.5 4.0 6.0#



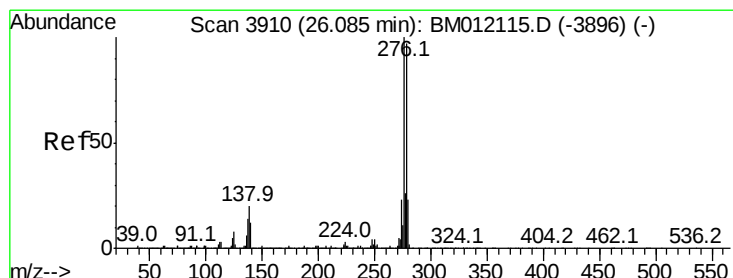
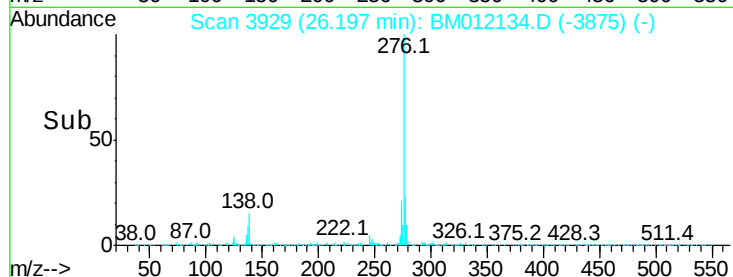
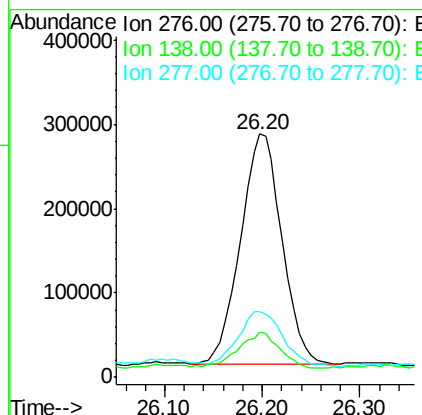
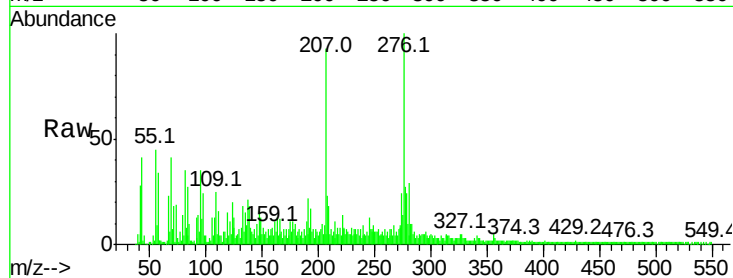


#89

Indeno(1,2,3-cd)pyrene
Concen: 11.666 ng/ul
RT: 26.20 min Scan# 3929
Delta R.T. 0.12 min
Lab File: BM012134.D
Acq: 13 Oct 2017 13:18

Instrument :
BNA_M
ClientSampleId :

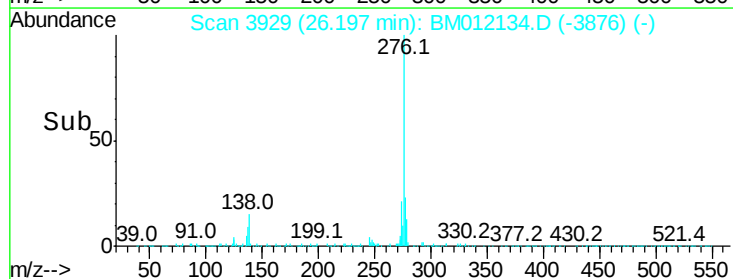
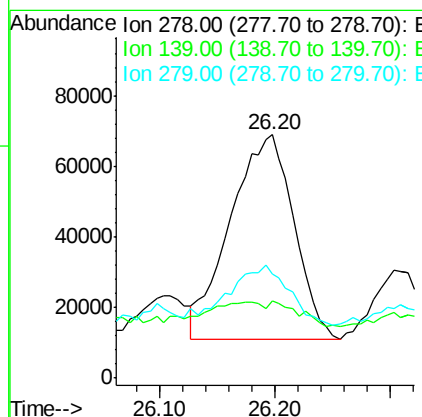
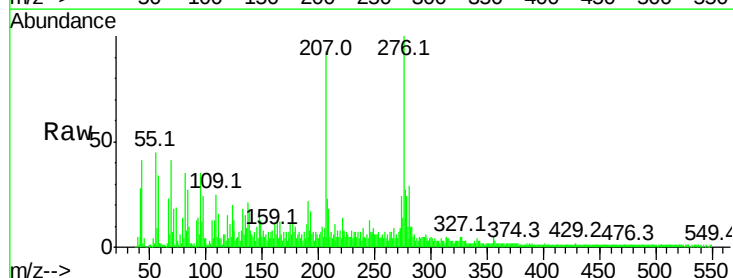
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.4	9.3	13.9#
277	27.0	19.9	29.9

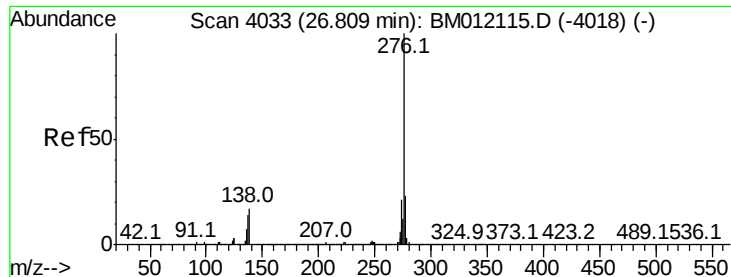


#90

Dibenzo(a,h)anthracene
Concen: 3.789 ng/ul
RT: 26.20 min Scan# 3929
Delta R.T. 0.11 min
Lab File: BM012134.D
Acq: 13 Oct 2017 13:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.7	5.8	8.8#
279	42.7	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 12.401 ng/ul

RT: 26.94 min Scan# 4056

Delta R.T. 0.14 min

Lab File: BM012134.D

Acq: 13 Oct 2017 13:18

Instrument :

BNA_M

ClientSampleId :

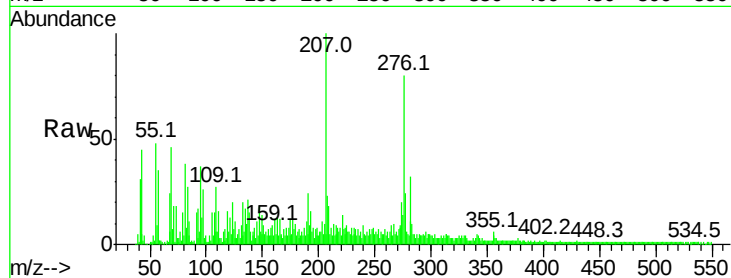
Tot Ion:276 Resp: 706549

Ion Ratio Lower Upper

276 100

138 18.9 8.5 12.7#

277 29.6 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

