

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013991.D
 Acq On : 30 Jan 2018 11:03
 Operator : SJ/JU
 Sample : J1243-07DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 30 12:10:16 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 07:49:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	110032	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	428176	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	267855	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	649662	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	813146	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	788736	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3108	1.12	ng/uL	0.00
5) Phenol-d5	6.76	99	41305	4.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	25258	4.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	36334	5.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	35864	5.52	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	18244	5.49	ng/ul	0.01
22) 2-Nitrophenol-d4	9.45	143	18002	5.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	37544	5.54	ng/ul	0.02
29) 4-Chloroaniline-d4	10.51	131	23876	4.06	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	140335	6.36	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	168778	5.99	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	537	0.15	ng/ul	0.00
57) Fluorene-d10	15.22	176	127199	6.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	12441	3.18	ng/ul	0.02
70) Anthracene-d10	17.07	188	210604	6.66	ng/ul	0.00
76) Pyrene-d10	19.38	212	256907	6.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.22	264	252990	6.98	ng/ul	0.00

Target Compounds

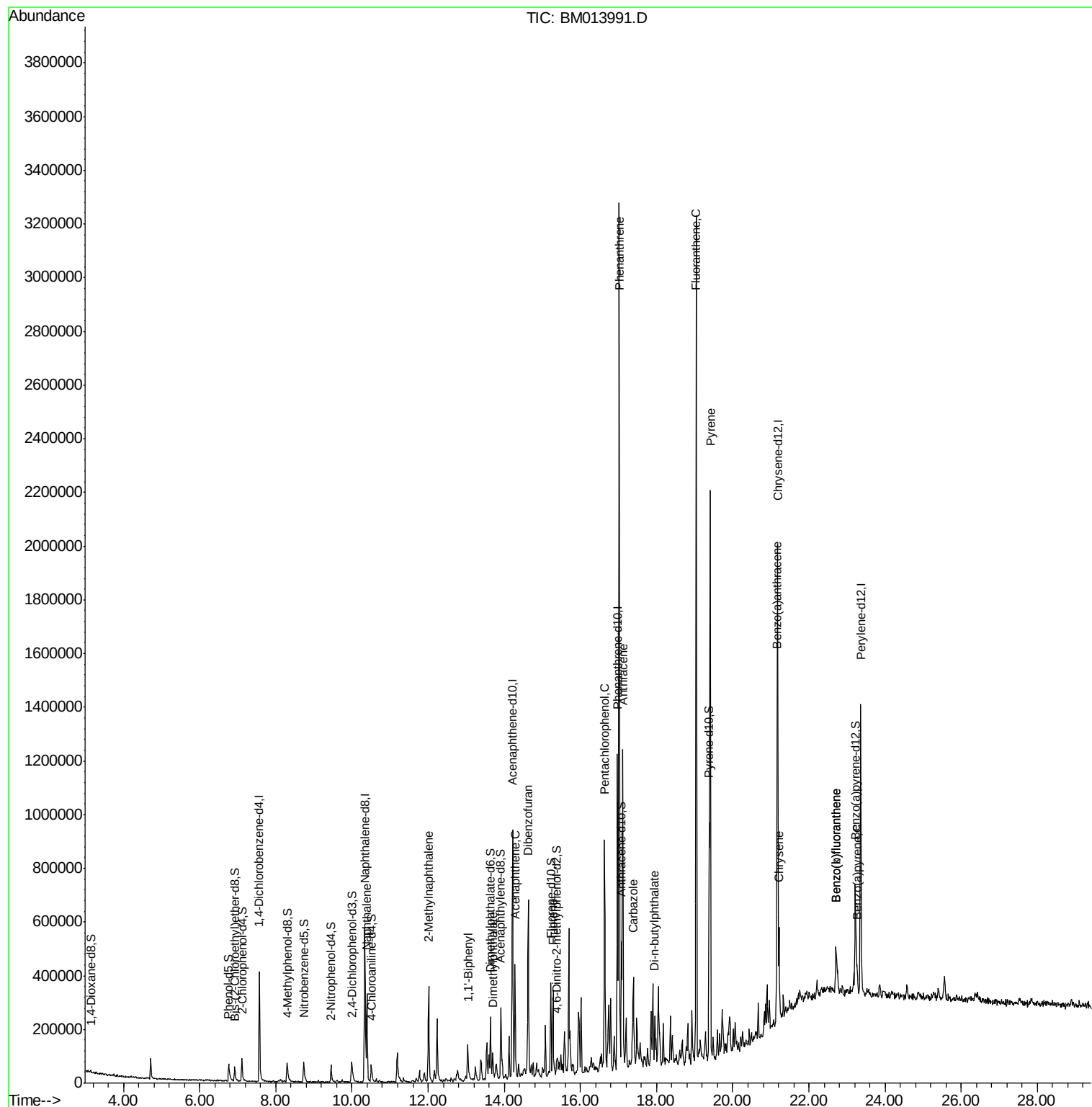
					Ovalue	
28) Naphthalene	10.39	128	244908	11.497	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	161655	10.179	ng/ul	87
40) 1,1'-Biphenyl	13.05	154	27616	1.239	ng/ul#	79
44) Dimethylphthalate	13.69	163	31325	1.443	ng/ul#	95
49) Acenaphthene	14.29	153	161737	9.067	ng/ul	97
53) Dibenzofuran	14.63	168	396490	14.774	ng/ul	97
58) Fluorene	15.28	166	133436	6.070	ng/ul	97
68) Pentachlorophenol	16.63	266	111091	25.311	ng/ul	97
69) Phenanthrene	17.02	178	1863832	51.612	ng/ul	99
71) Anthracene	17.11	178	698075	18.741	ng/ul	98
72) Carbazole	17.39	167	188262	6.123	ng/ul#	96
73) Di-n-butylphthalate	17.95	149	115240	3.187	ng/ul#	98
74) Fluoranthene	19.04	202	1825103	42.340	ng/ul#	97
77) Pyrene	19.41	202	1285686	26.008	ng/ul	97
80) Benzo(a)anthracene	21.16	228	238151	4.847	ng/ul	98
82) Chrysene	21.22	228	191900	4.257	ng/ul	95
85) Benzo(b)fluoranthene	22.72	252	135800	2.804	ng/ul#	98
86) Benzo(k)fluoranthene	22.72	252	135800	2.901	ng/ul#	96
88) Benzo(a)pyrene	23.27	252	58570	1.280	ng/ul#	94

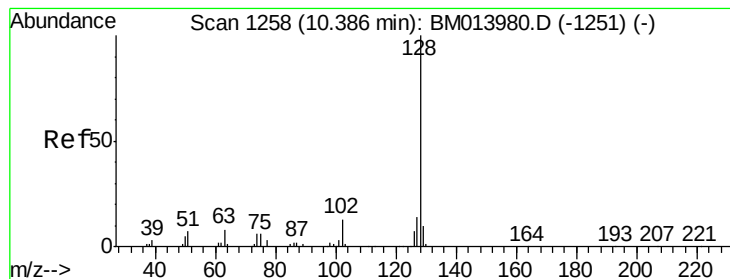
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 11.497 ng/ul

RT: 10.39 min Scan# 1259

Delta R.T. 0.01 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

Instrument :

BNA_M

ClientSampleId :

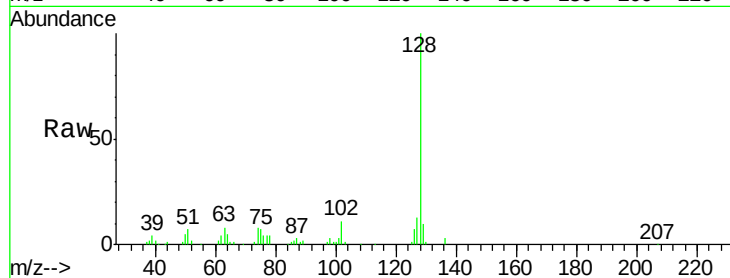
Tot Ion:128 Resp: 244908

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

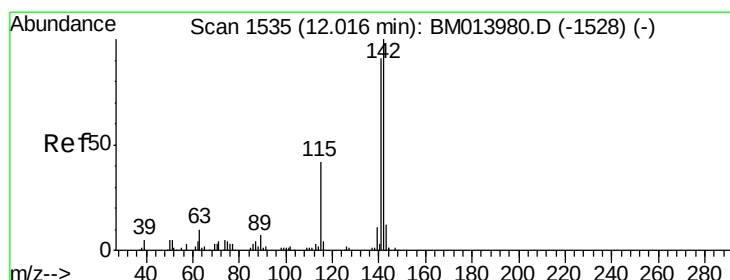
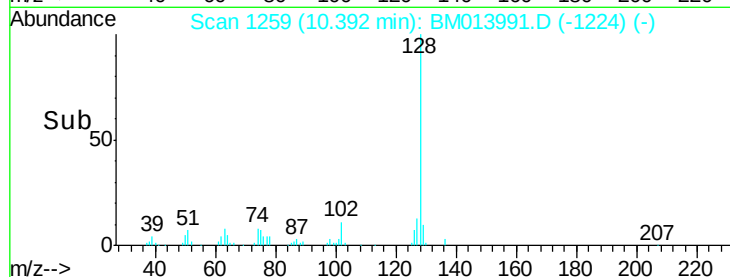
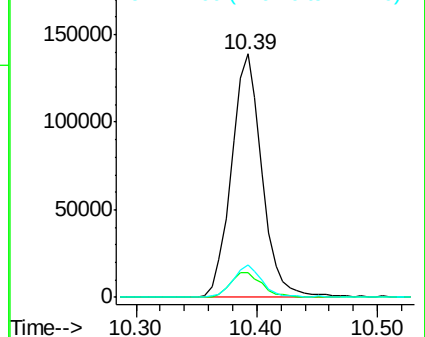
127 13.4 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 10.179 ng/ul

RT: 12.02 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BM013991.D

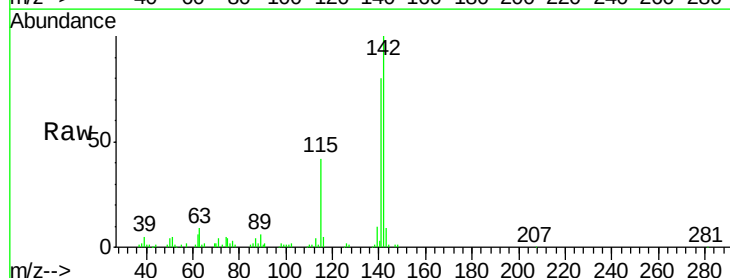
Acq: 30 Jan 2018 11:03

Tgt Ion:142 Resp: 161655

Ion Ratio Lower Upper

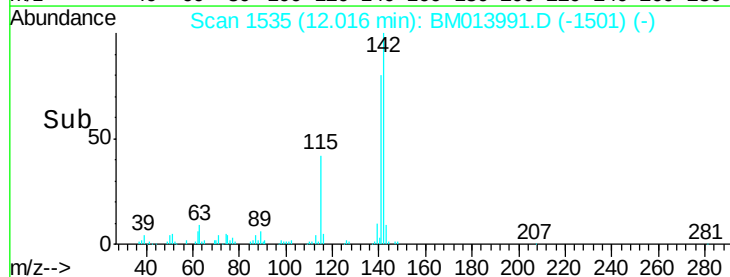
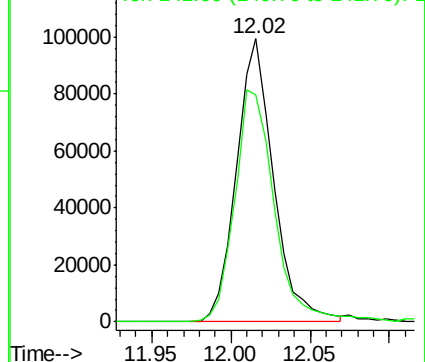
142 100

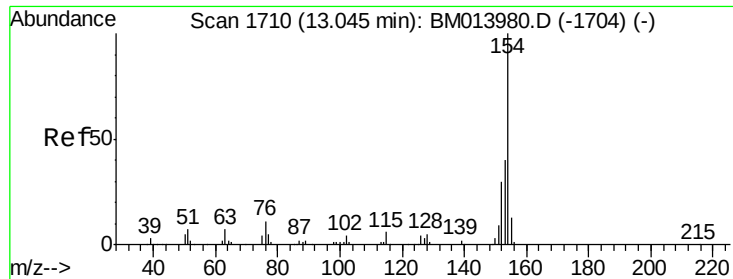
141 80.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

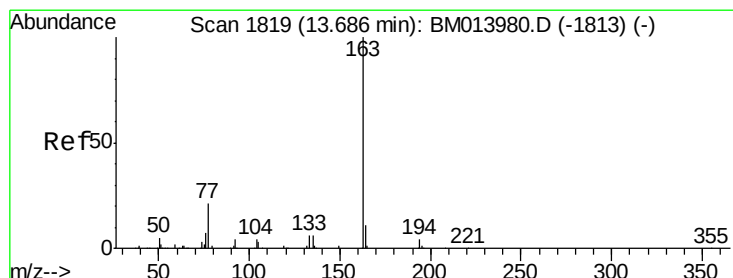
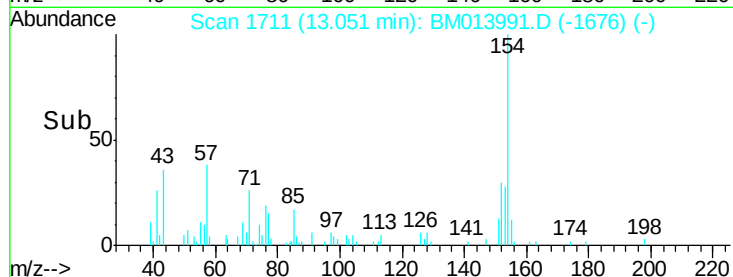
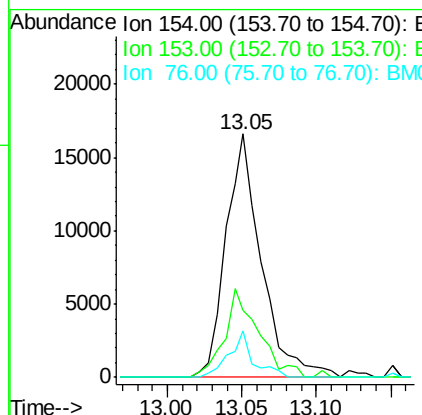
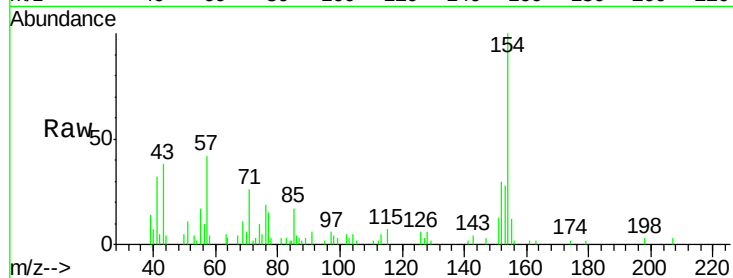




#40
 1,1'-Biphenyl
 Concen: 1.239 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. 0.01 min
 Lab File: BM013991.D
 Acq: 30 Jan 2018 11:03

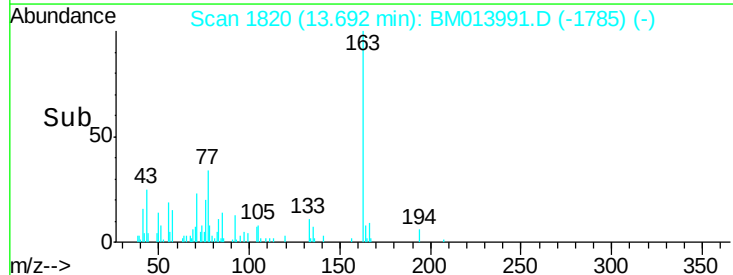
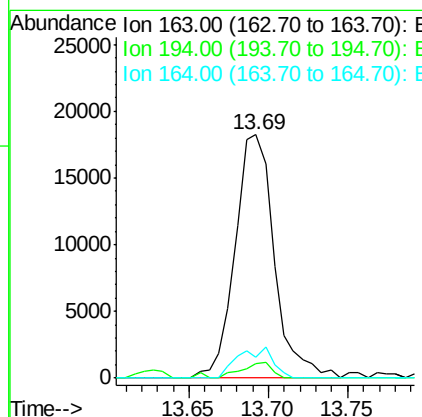
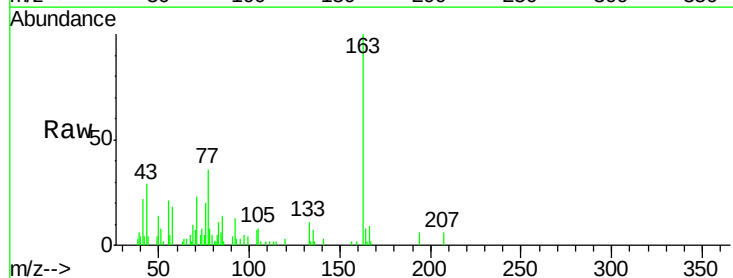
Instrument :
 BNA_M
 ClientSampleId :

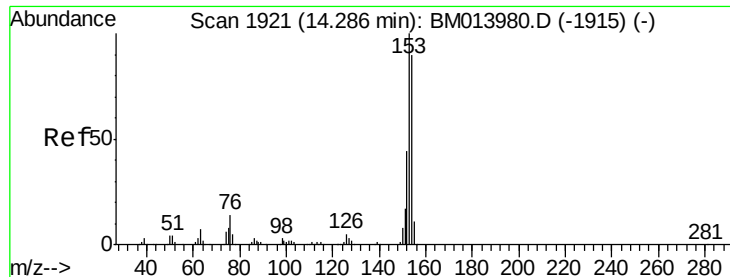
Tot Ion	Ratio	Lower	Upper
154	100		
153	27.5	32.6	48.8#
76	18.9	8.5	12.7#



#44
 Dimethylphthalate
 Concen: 1.443 ng/ul
 RT: 13.69 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: BM013991.D
 Acq: 30 Jan 2018 11:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.9	3.5	5.3#
164	8.4	8.2	12.4





#49

Acenaphthene

Concen: 9.067 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

Instrument :

BNA_M

ClientSampled :

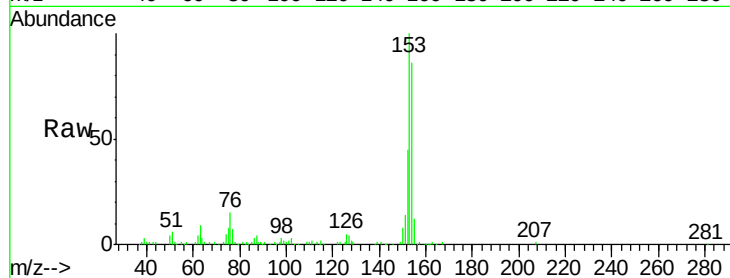
Tot Ion:153 Resp: 161737

Ion Ratio Lower Upper

153 100

152 45.3 37.6 56.4

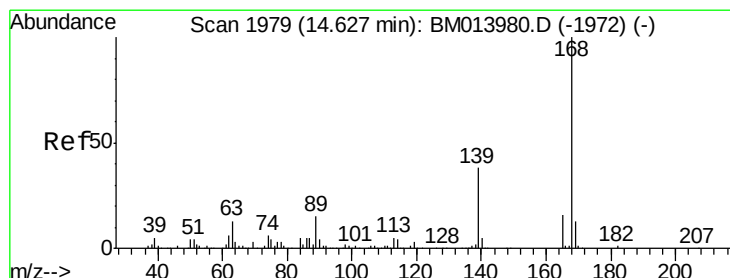
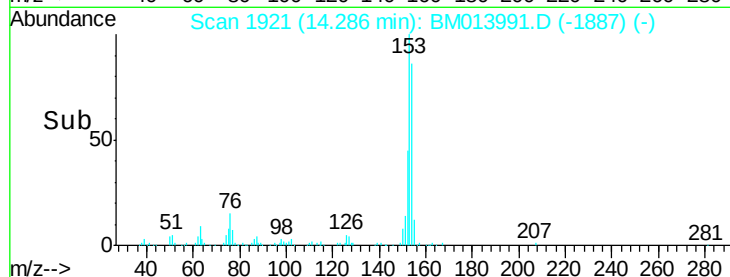
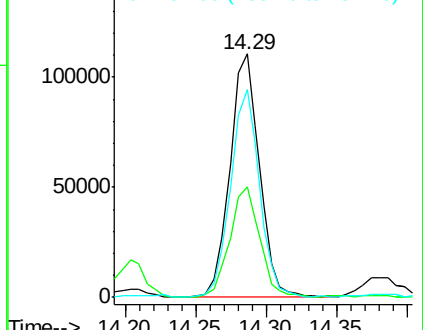
154 85.6 70.4 105.6



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

Dibenzofuran

Concen: 14.774 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BM013991.D

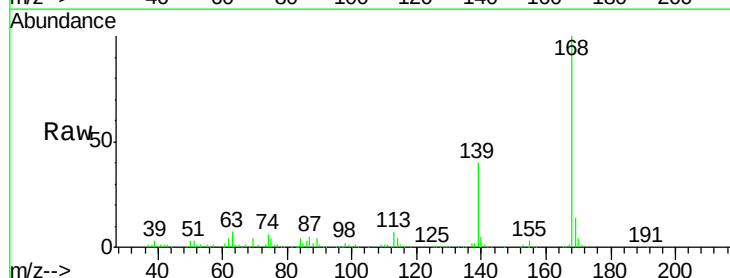
Acq: 30 Jan 2018 11:03

Tgt Ion:168 Resp: 396490

Ion Ratio Lower Upper

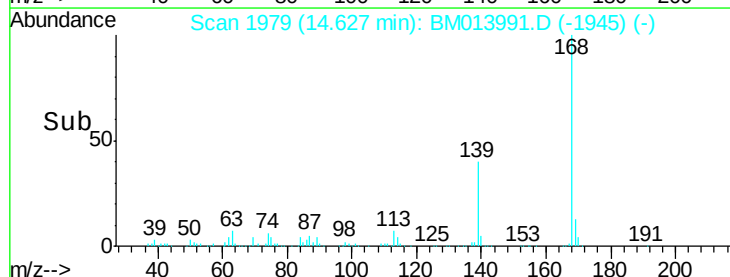
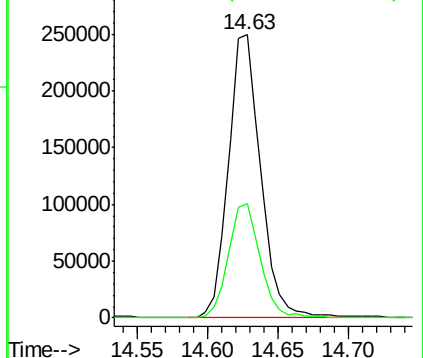
168 100

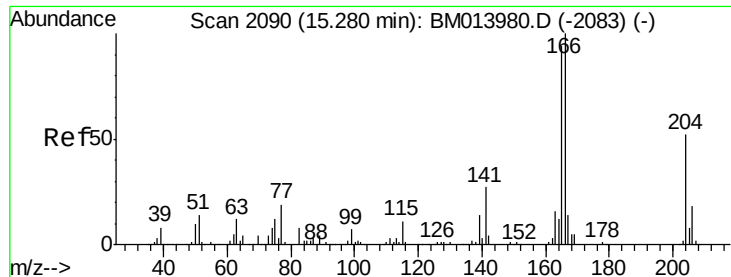
139 40.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.070 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

Instrument :

BNA_M

ClientSampleId :

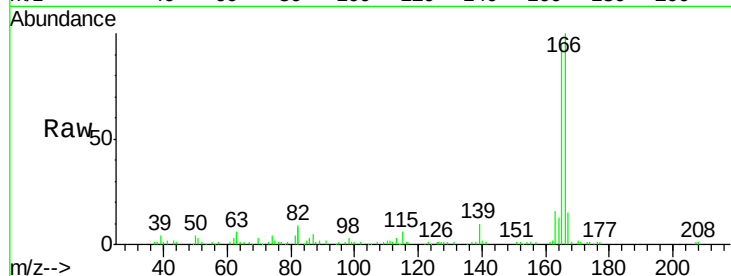
Tot Ion:166 Resp: 133436

Ion Ratio Lower Upper

166 100

165 94.9 77.9 116.9

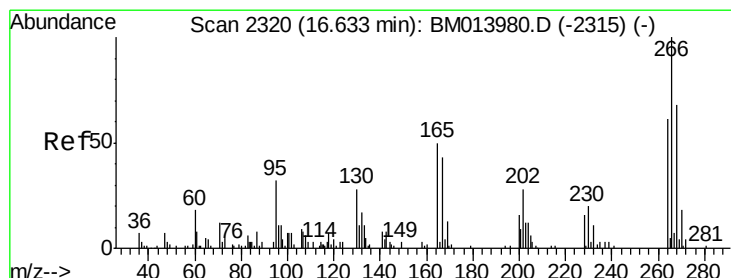
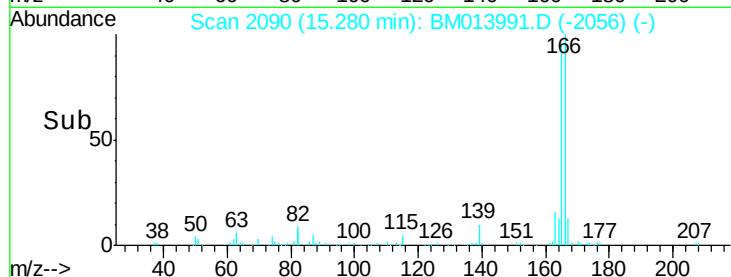
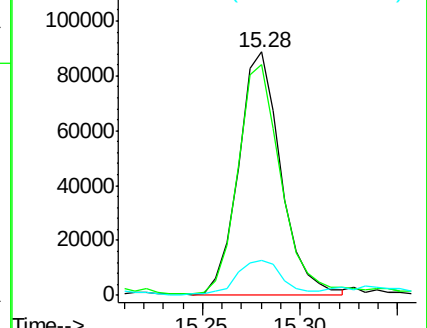
167 14.6 10.6 16.0



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: 25.311 ng/ul

RT: 16.63 min Scan# 2320

Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

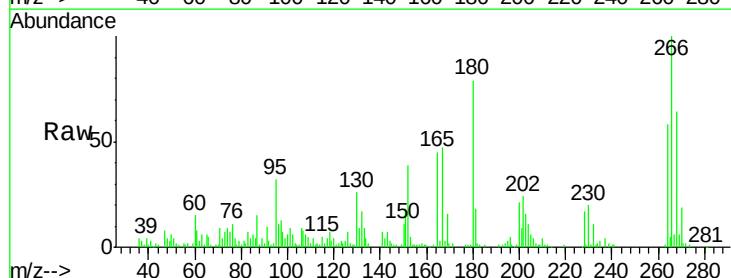
Tgt Ion:266 Resp: 111091

Ion Ratio Lower Upper

266 100

264 57.6 49.3 73.9

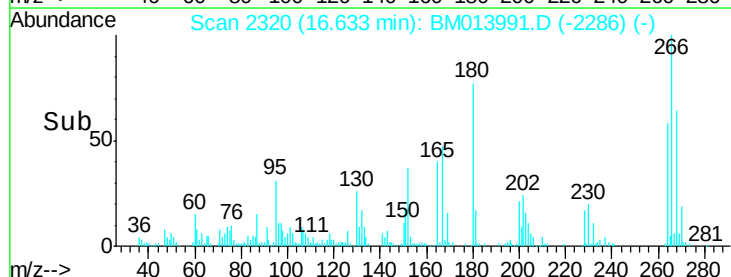
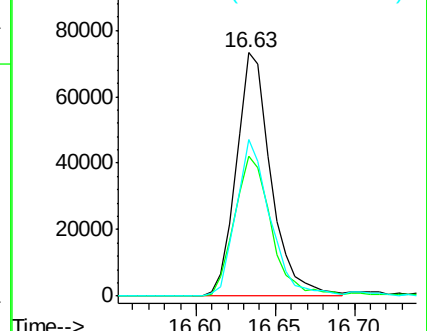
268 64.3 52.6 78.8

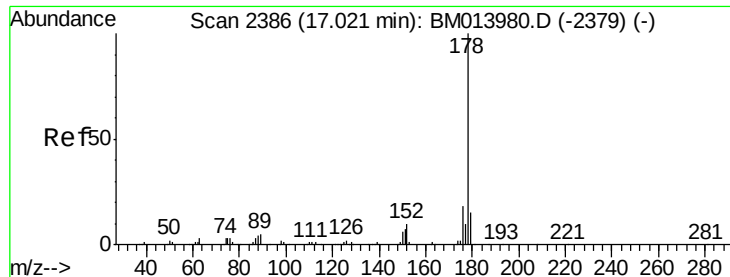


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 51.612 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

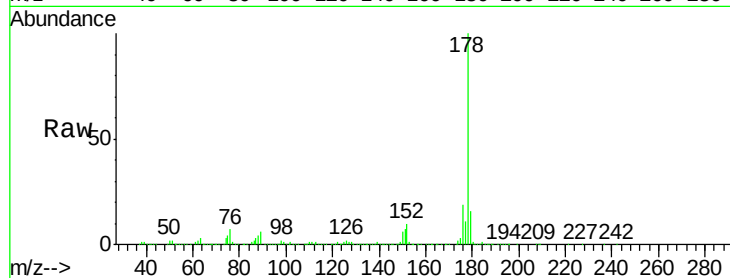
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1863832

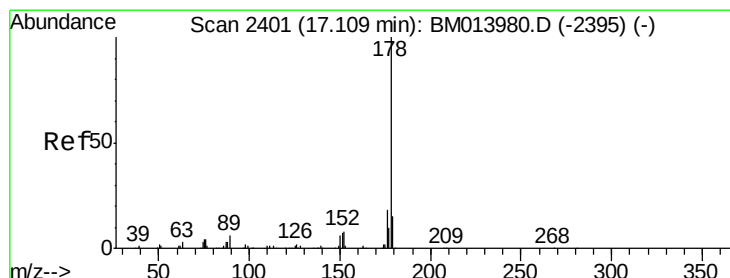
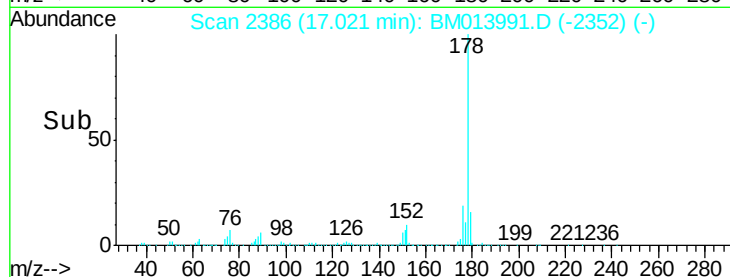
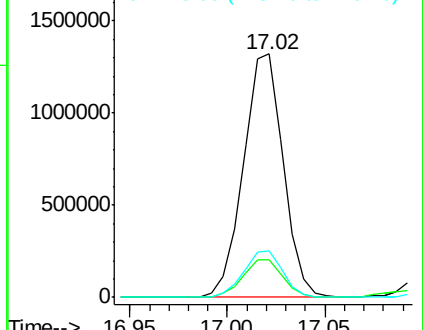
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	18.9	14.9	22.3



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: 18.741 ng/ul

RT: 17.11 min Scan# 2401

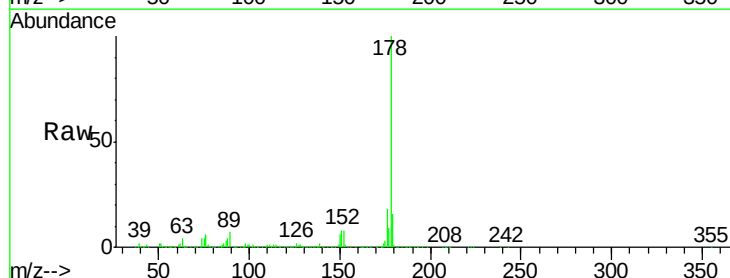
Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

Tgt Ion:178 Resp: 698075

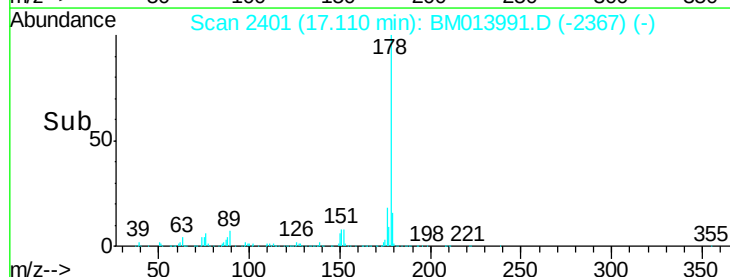
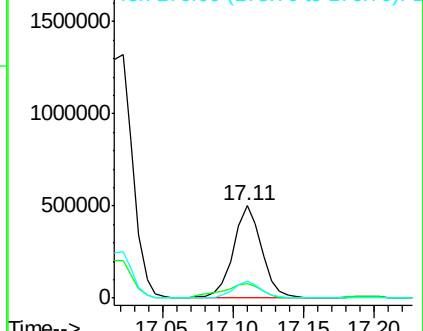
Ion	Ratio	Lower	Upper
178	100		
179	15.9	11.7	17.5
176	18.0	14.6	21.8

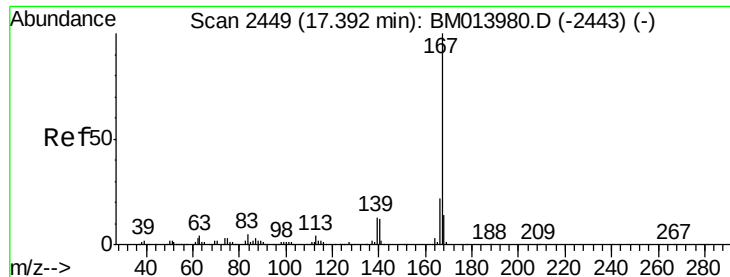


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 6.123 ng/ul

RT: 17.39 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BM013991.D

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Instrument :

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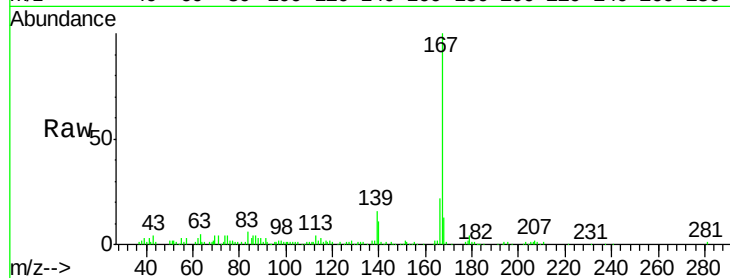
Tot Ion:167 Resp: 188262

Ion Ratio Lower Upper

167 100

166 22.3 17.1 25.7

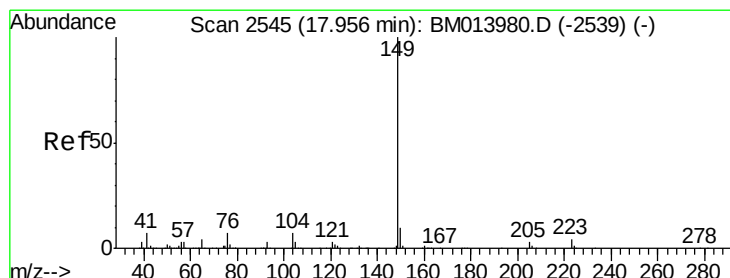
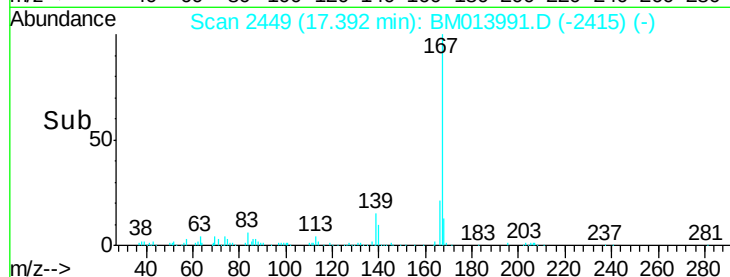
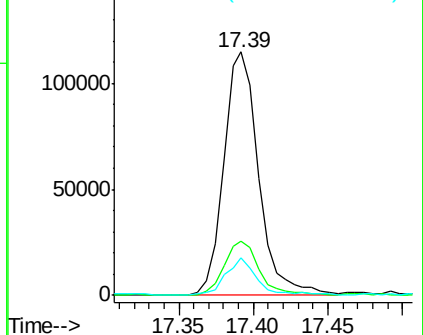
139 15.6 10.0 15.0#



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



#73

Di-n-butylphthalate

Concen: 3.187 ng/ul

RT: 17.95 min Scan# 2544

Delta R.T. -0.01 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

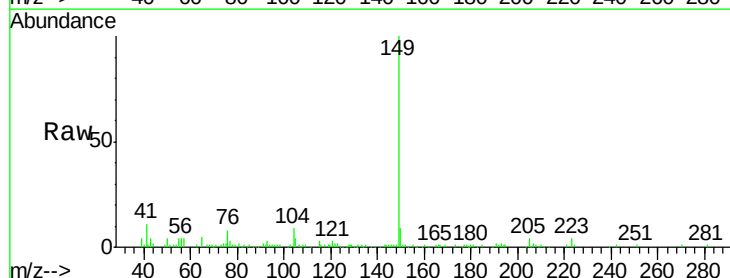
Tgt Ion:149 Resp: 115240

Ion Ratio Lower Upper

149 100

150 8.6 7.1 10.7

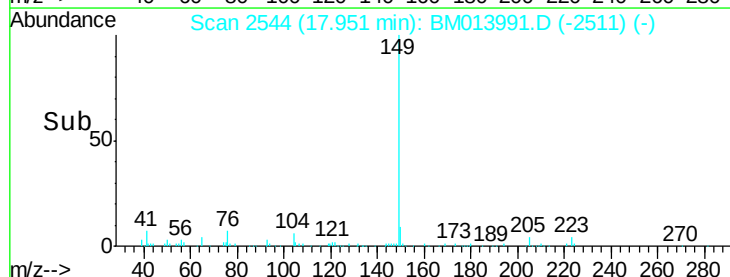
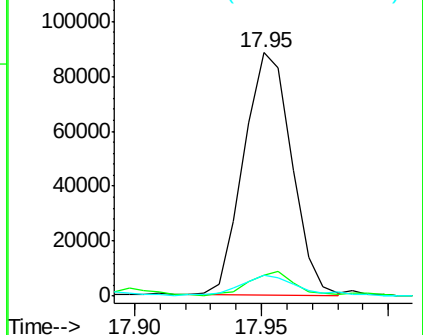
104 8.6 5.6 8.4#

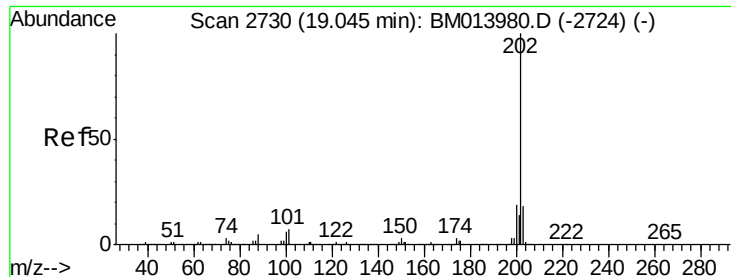


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 42.340 ng/ul

RT: 19.04 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

Instrument :

BNA_M

ClientSampleId :

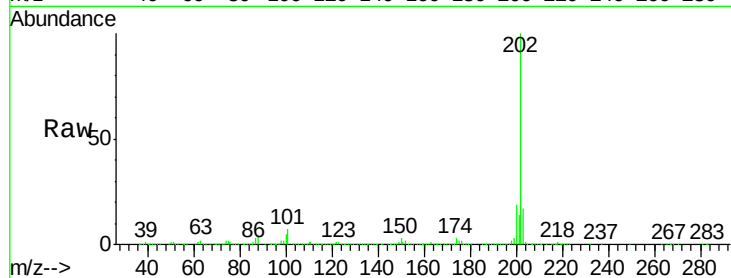
Tot Ion:202 Resp: 1825103

Ion Ratio Lower Upper

202 100

101 6.6 4.6 7.0

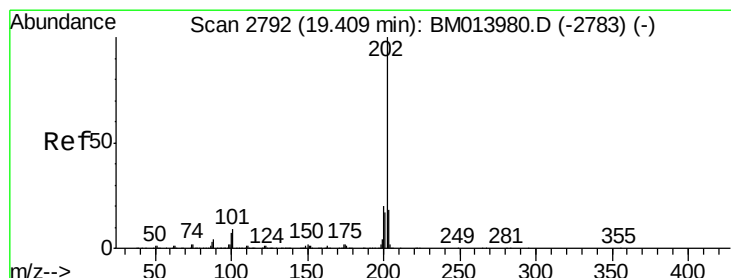
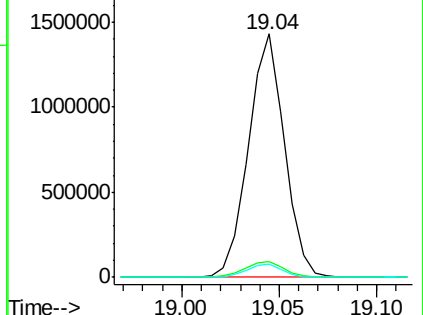
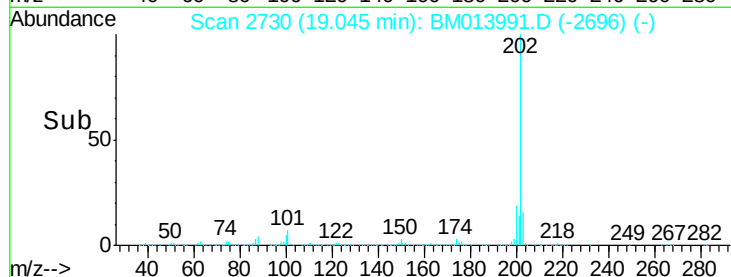
100 5.2 3.4 5.2#



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: 26.008 ng/ul

RT: 19.41 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

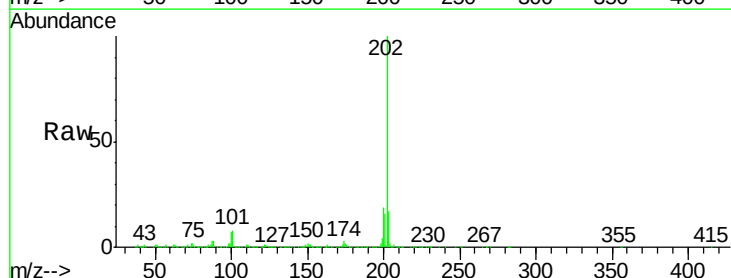
Tgt Ion:202 Resp: 1285686

Ion Ratio Lower Upper

202 100

101 7.7 5.1 7.7

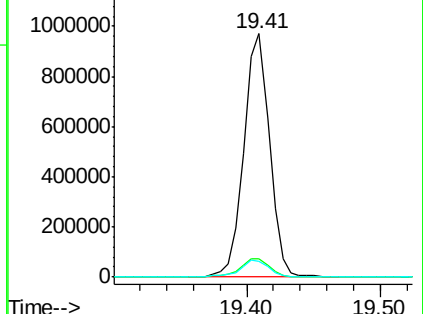
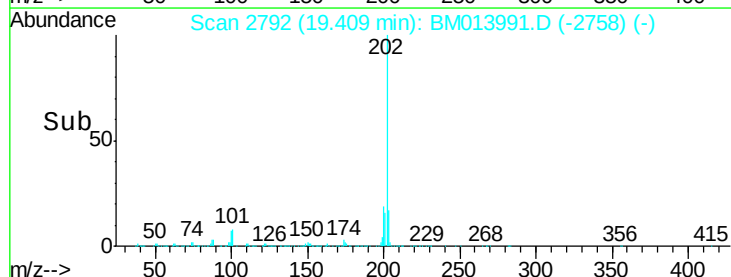
100 6.6 4.9 7.3

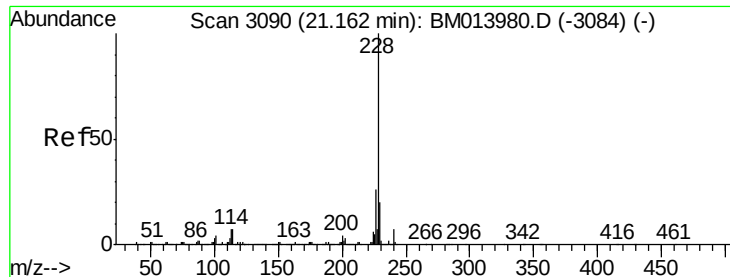


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 4.847 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

Instrument :

BNA_M

ClientSampleId :

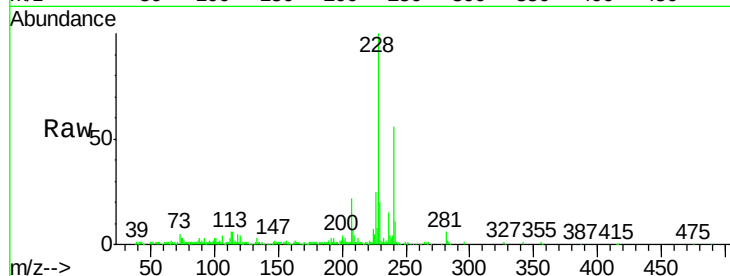
Tot Ion:228 Resp: 238151

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	25.4	21.4	32.0

228 100

229 20.1 15.4 23.0

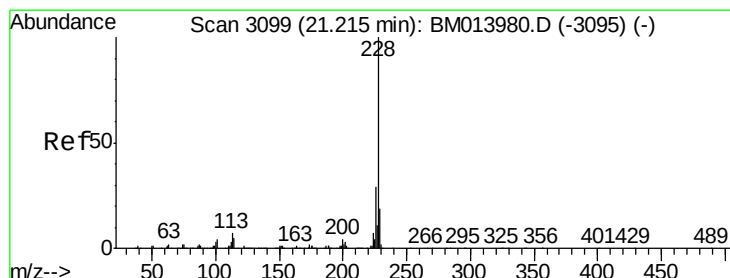
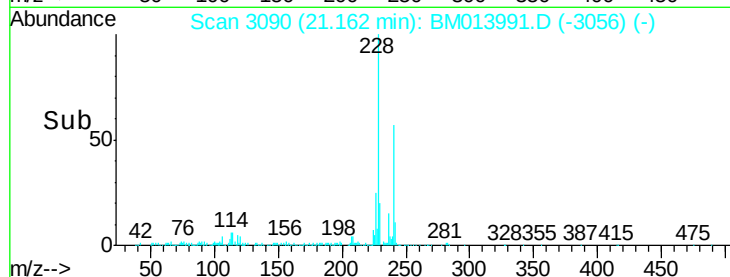
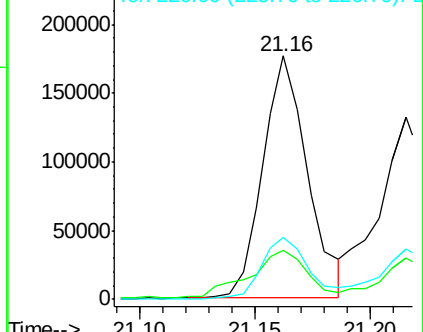
226 25.4 21.4 32.0



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: 4.257 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

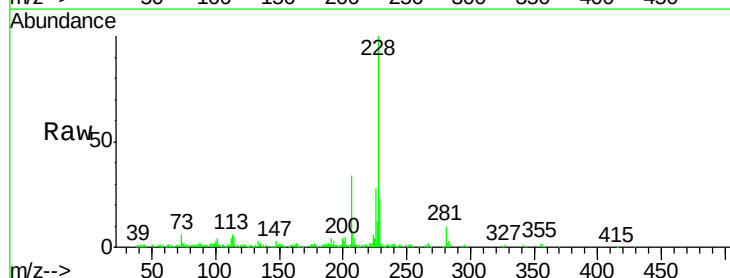
Tgt Ion:228 Resp: 191900

Ion	Ratio	Lower	Upper
228	100		
226	27.7	23.4	35.2
229	22.8	15.5	23.3

228 100

226 27.7 23.4 35.2

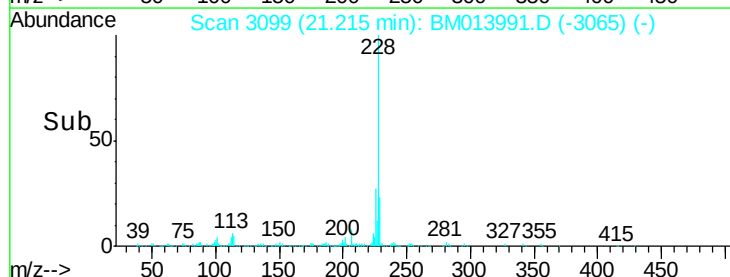
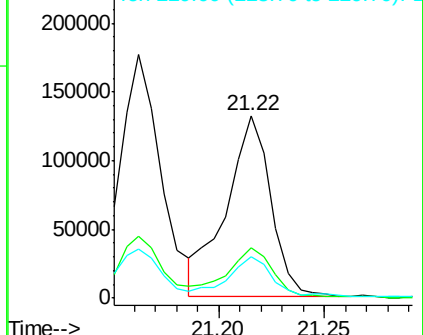
229 22.8 15.5 23.3

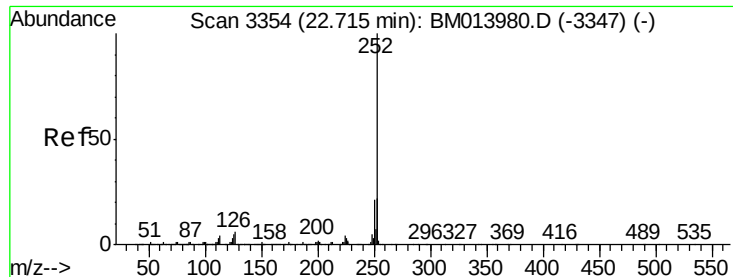


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.804 ng/ul

RT: 22.72 min Scan# 3354

Delta R.T. 0.00 min

Lab File: BM013991.D

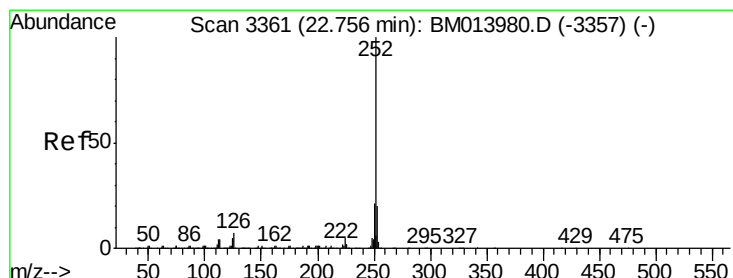
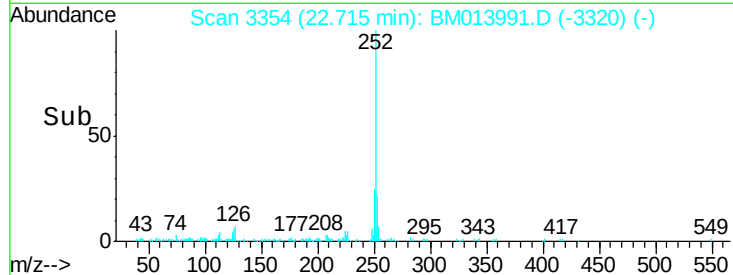
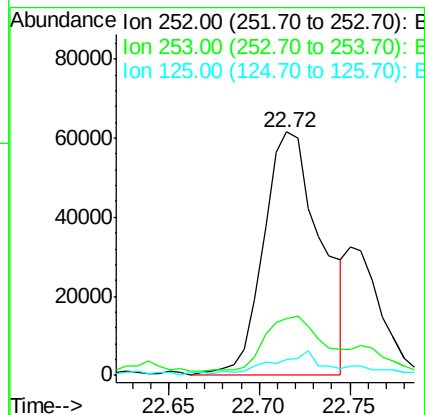
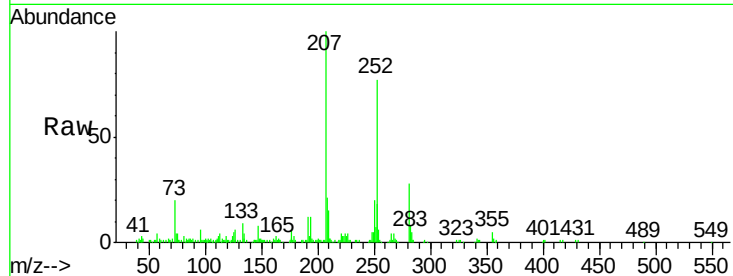
Acq: 30 Jan 2018 11:03

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	135800
Ion Ratio	Lower	Upper
252	100	
253	23.1	17.9 26.9
125	6.6	3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 2.901 ng/ul

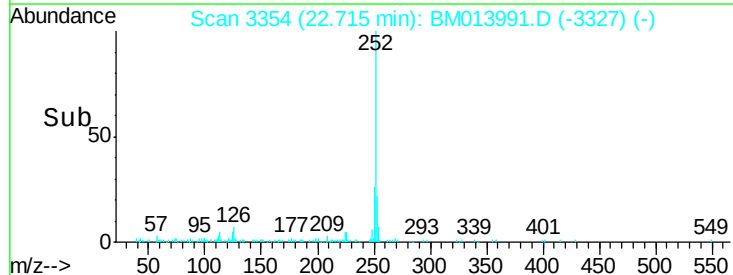
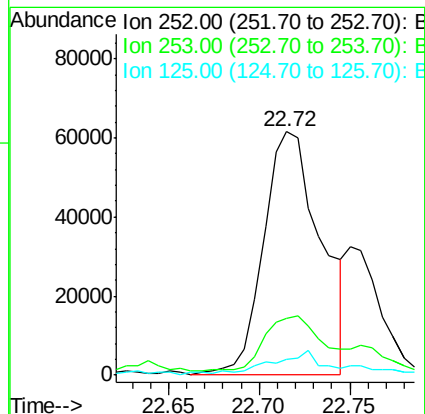
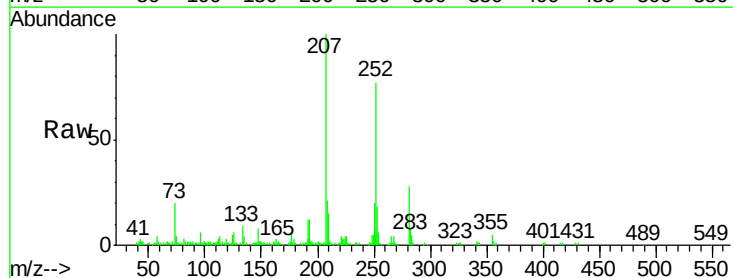
RT: 22.72 min Scan# 3354

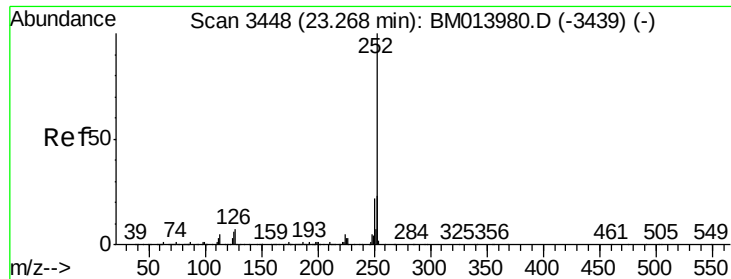
Delta R.T. -0.04 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

Tgt Ion:252	Resp:	135800
Ion Ratio	Lower	Upper
252	100	
253	23.1	17.1 25.7
125	6.6	3.4 5.2#





#88

Benzo(a)pyrene

Concen: 1.280 ng/ul

RT: 23.27 min Scan# 3448

Delta R.T. 0.00 min

Lab File: BM013991.D

Acq: 30 Jan 2018 11:03

Instrument :

BNA_M

ClientSampleId :

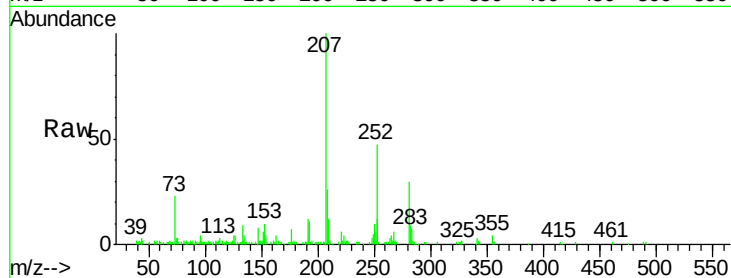
Tot Ion:252 Resp: 58570

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.2

125 8.1 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

