

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013989.D
 Acq On : 30 Jan 2018 09:51
 Operator : SJ/JU
 Sample : J1233-16DL 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B20DL

Quant Time: Jan 30 10:34:32 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	7.56	152	97175	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	399140	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	251108	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	617906	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	765023	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	780061	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	1923	0.78	ng/uL	0.00
5) Phenol-d5	6.77	99	30944	4.15	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.92	67	22577	4.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	28888	4.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	24677	4.30	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	13503	4.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	15091	4.61	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	29810	4.72	ng/ul	0.02
29) 4-Chloroaniline-d4	10.51	131	7964	1.45	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	122772	5.93	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	147163	5.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	1727	0.51	ng/ul	0.02
57) Fluorene-d10	15.22	176	114138	6.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	11984	3.22	ng/ul	0.01
70) Anthracene-d10	17.07	188	187849	6.24	ng/ul	0.00
76) Pyrene-d10	19.38	212	234687	6.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	774477	21.60	ng/ul	0.14

Target Compounds

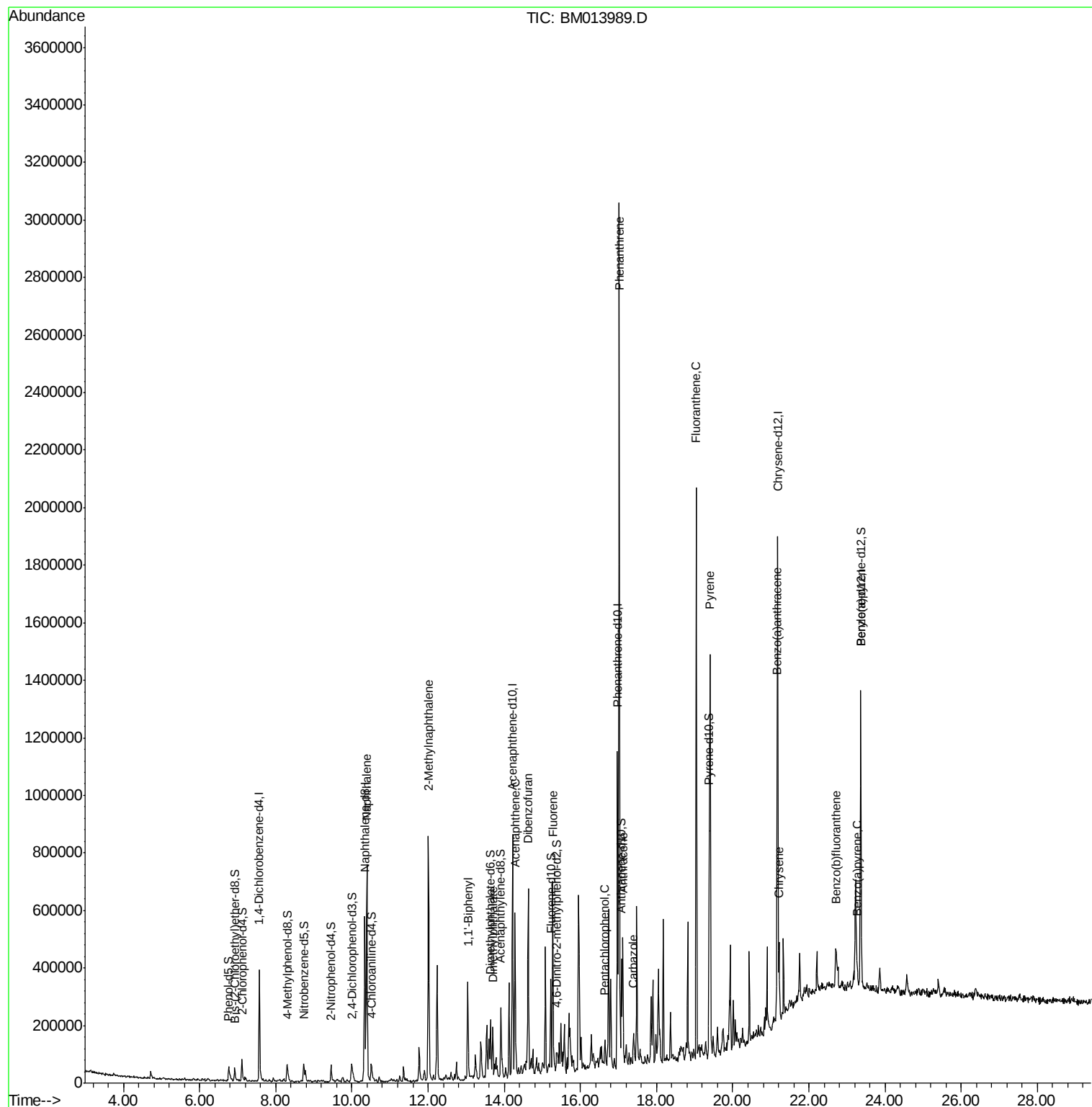
					Ovalue	
28) Naphthalene	10.39	128	557851	28.093	ng/ul	100
34) 2-Methylnaphthalene	12.02	142	385794	26.059	ng/ul	96
40) 1,1'-Biphenyl	13.05	154	85296	4.081	ng/ul#	89
44) Dimethylphthalate	13.69	163	41177	2.024	ng/ul	99
49) Acenaphthene	14.29	153	213056	12.740	ng/ul	100
53) Dibenzofuran	14.63	168	353831	14.064	ng/ul	92
58) Fluorene	15.28	166	274226	13.306	ng/ul	98
68) Pentachlorophenol	16.64	266	15169	3.634	ng/ul	96
69) Phenanthrene	17.02	178	1696240	49.386	ng/ul	97
71) Anthracene	17.11	178	260054	7.341	ng/ul	97
72) Carbazole	17.40	167	34560	1.182	ng/ul	95
74) Fluoranthene	19.04	202	1142098	27.857	ng/ul#	95
77) Pyrene	19.41	202	743135	15.979	ng/ul#	97
80) Benzo(a)anthracene	21.16	228	183826	3.977	ng/ul	97
82) Chrysene	21.22	228	151308	3.568	ng/ul	97
85) Benzo(b)fluoranthene	22.72	252	92124	1.923	ng/ul#	90
88) Benzo(a)pyrene	23.27	252	50343	1.112	ng/ul#	98

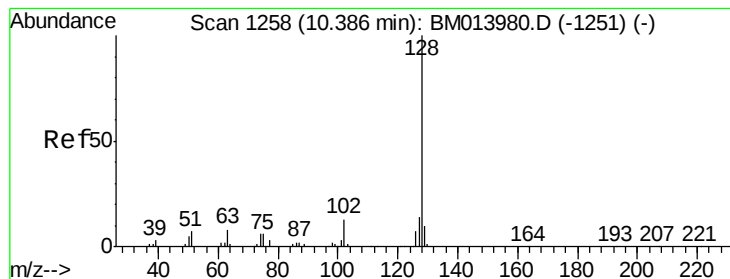
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 28.093 ng/ul

RT: 10.39 min Scan# 1259

Delta R.T. 0.01 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

Instrument :

BNA_M

ClientSampleId :

F6B20DL

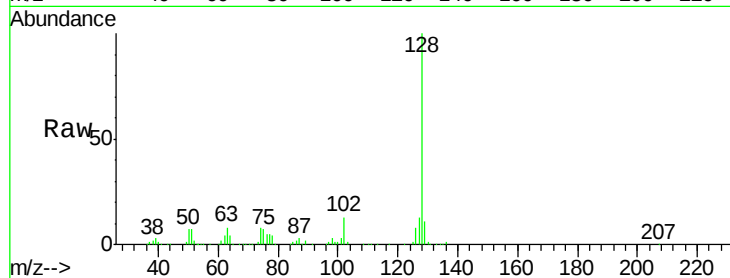
Tot Ion:128 Resp: 557851

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

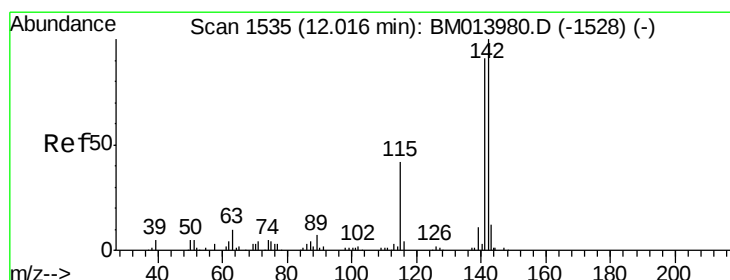
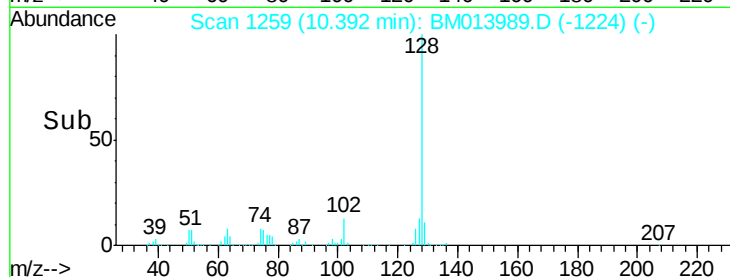
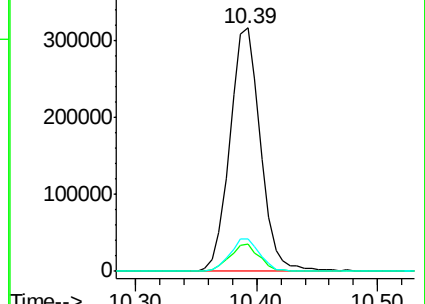
127 13.5 10.6 16.0



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: 26.059 ng/ul

RT: 12.02 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BM013989.D

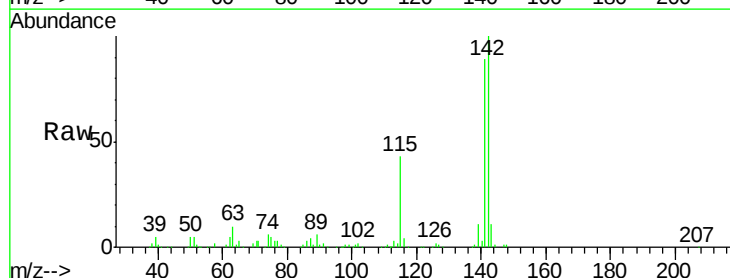
Acq: 30 Jan 2018 09:51

Tgt Ion:142 Resp: 385794

Ion Ratio Lower Upper

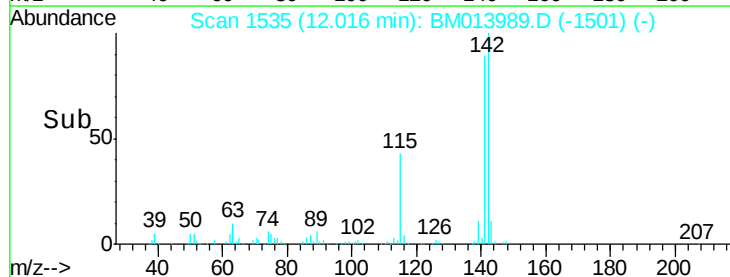
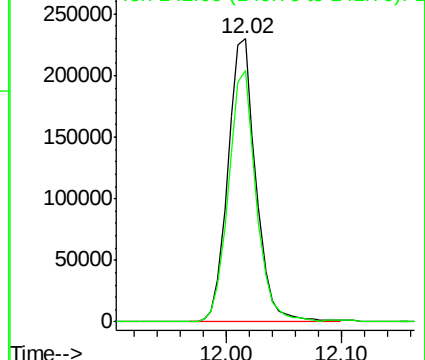
142 100

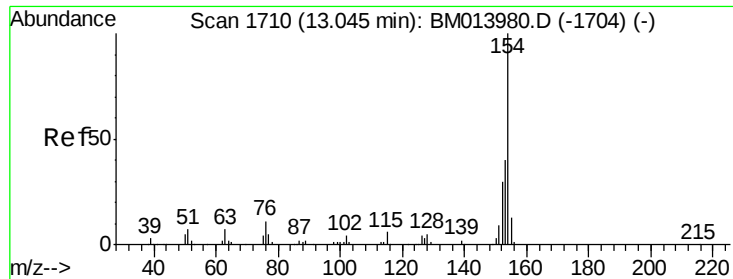
141 88.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

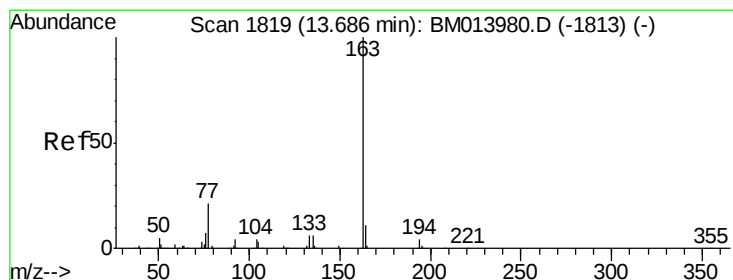
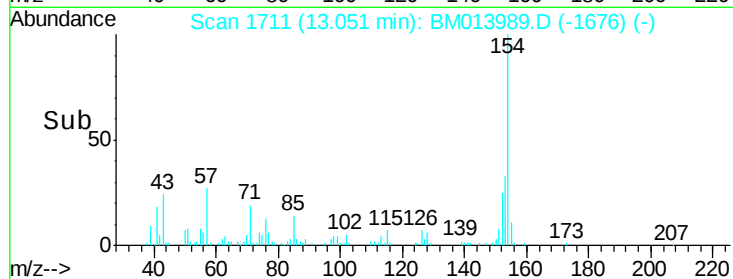
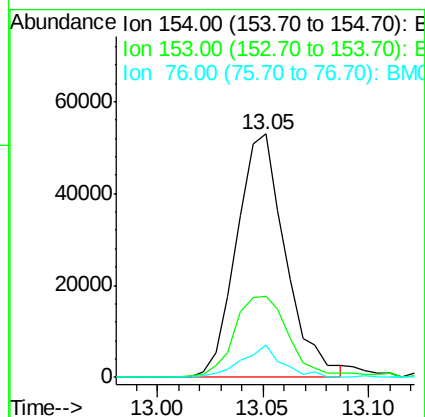
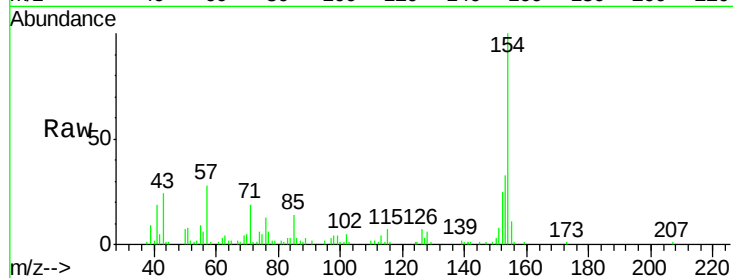




#40
 1,1'-Biphenyl
 Concen: 4.081 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. 0.01 min
 Lab File: BM013989.D
 Acq: 30 Jan 2018 09:51

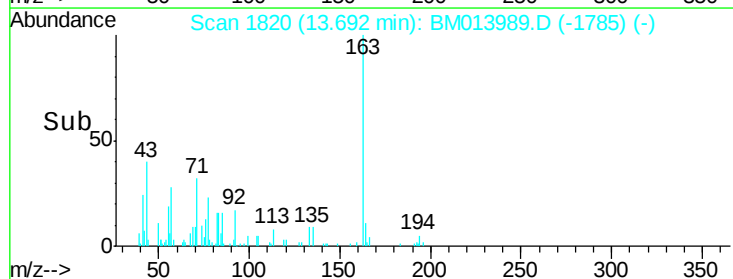
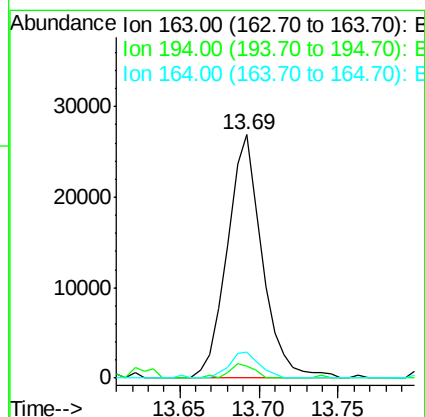
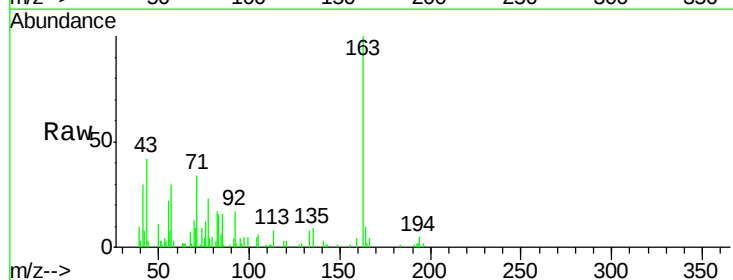
Instrument :
 BNA_M
 ClientSampleId :
 F6B20DL

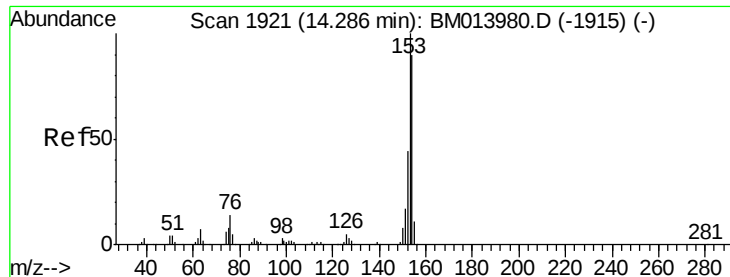
Tot Ion:154 Resp: 85296
 Ion Ratio Lower Upper
 154 100
 153 33.1 32.6 48.8
 76 13.2 8.5 12.7#



#44
 Dimethylphthalate
 Concen: 2.024 ng/ul
 RT: 13.69 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: BM013989.D
 Acq: 30 Jan 2018 09:51

Tgt Ion:163 Resp: 41177
 Ion Ratio Lower Upper
 163 100
 194 5.0 3.5 5.3
 164 10.4 8.2 12.4





#49

Acenaphthene

Concen: 12.740 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

Instrument :

BNA_M

ClientSampleId :

F6B20DL

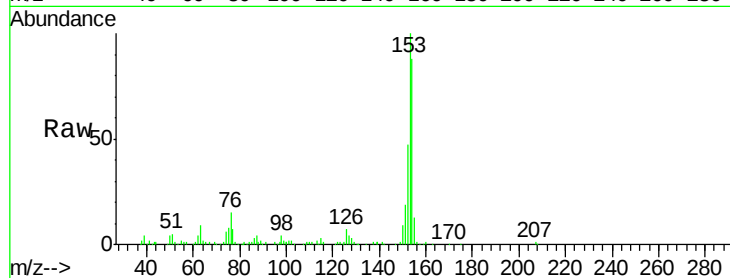
Tot Ion:153 Resp: 213056

Ion Ratio Lower Upper

153 100

152 46.7 37.6 56.4

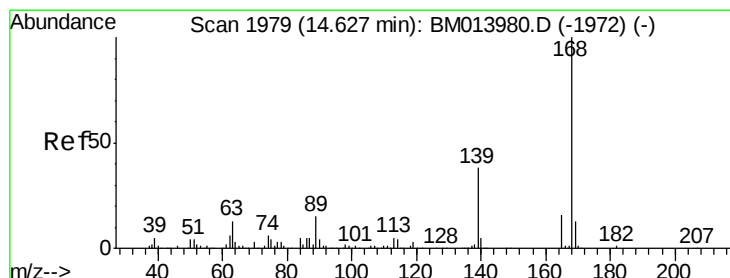
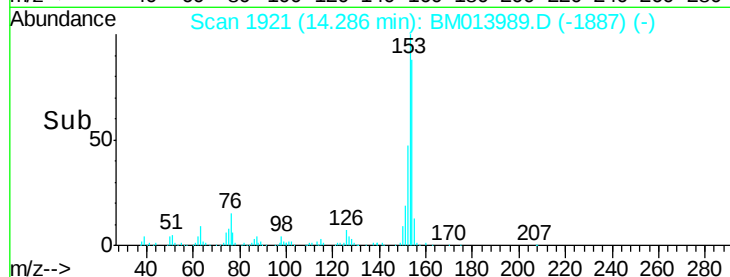
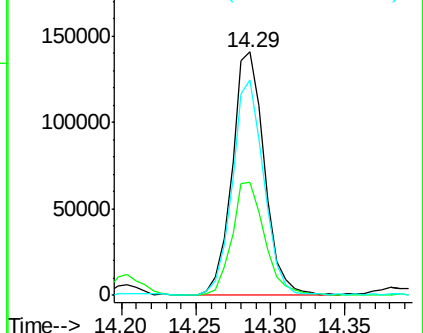
154 88.5 70.4 105.6



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: 14.064 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BM013989.D

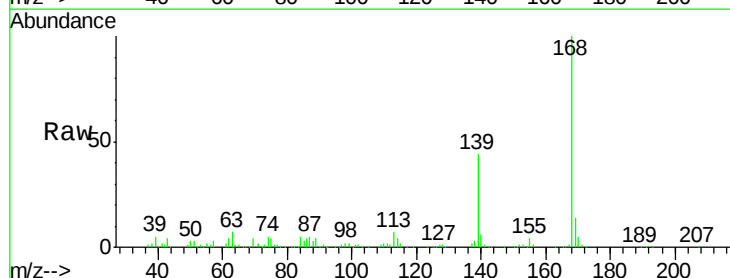
Acq: 30 Jan 2018 09:51

Tgt Ion:168 Resp: 353831

Ion Ratio Lower Upper

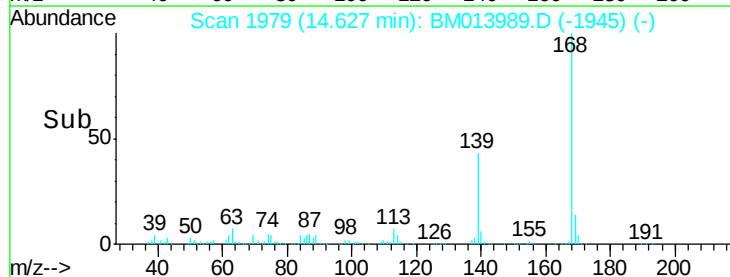
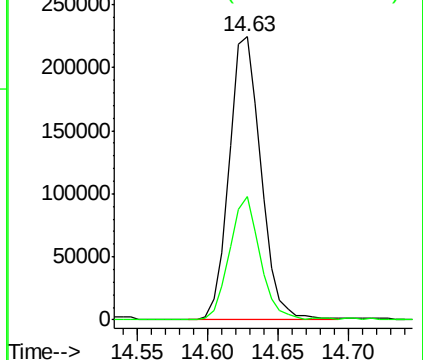
168 100

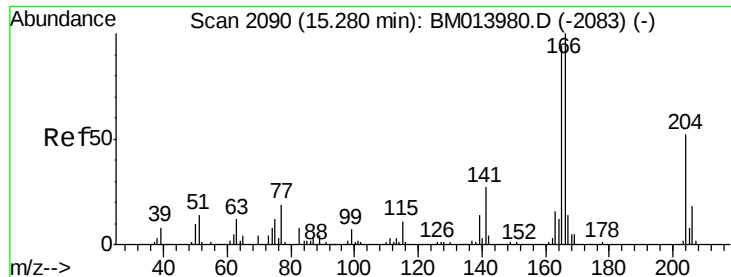
139 43.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 13.306 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

Instrument :

BNA_M

ClientSampleId :

F6B20DL

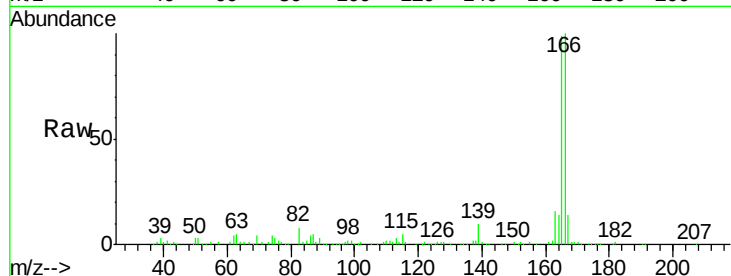
Tot Ion:166 Resp: 274226

Ion Ratio Lower Upper

166 100

165 99.1 77.9 116.9

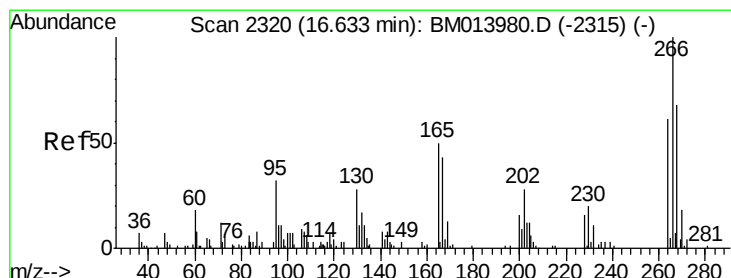
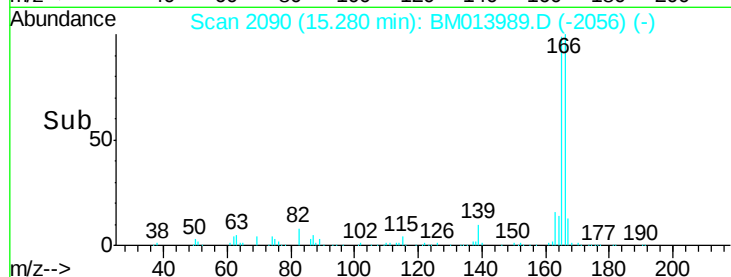
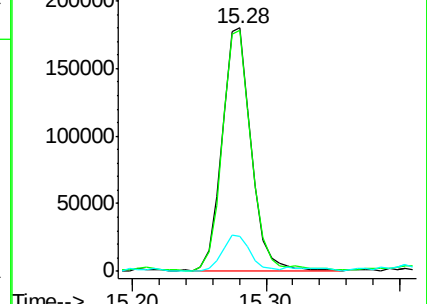
167 14.2 10.6 16.0



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: 3.634 ng/ul

RT: 16.64 min Scan# 2321

Delta R.T. 0.01 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

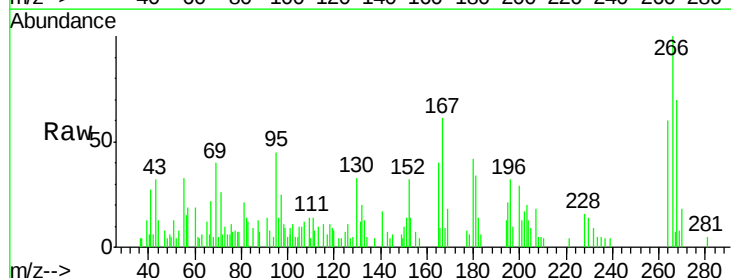
Tgt Ion:266 Resp: 15169

Ion Ratio Lower Upper

266 100

264 59.9 49.3 73.9

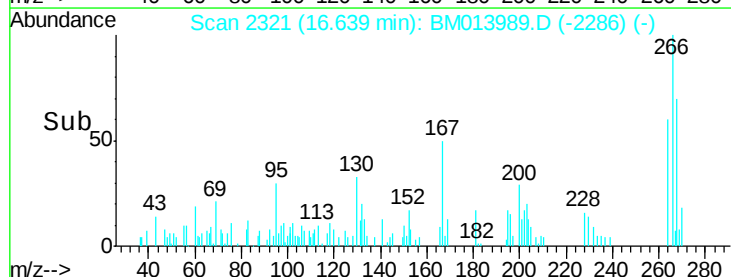
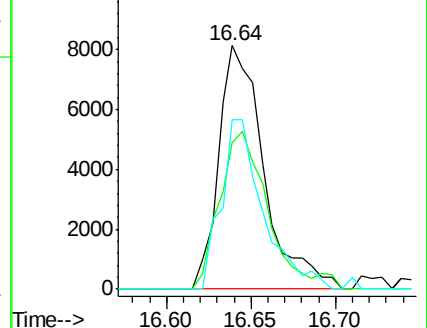
268 69.6 52.6 78.8

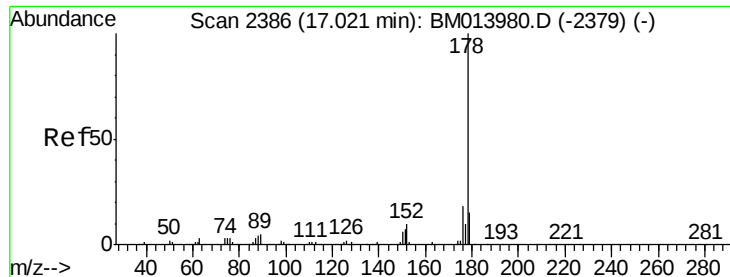


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 49.386 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

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F6B20DL

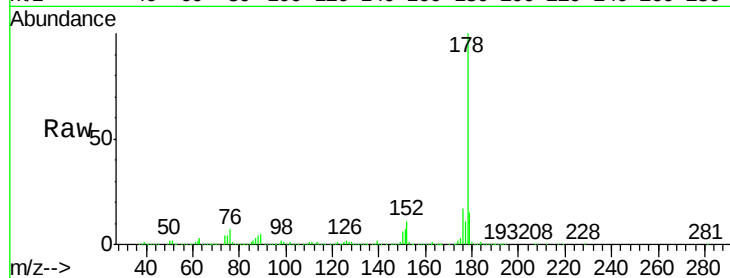
Tot Ion:178 Resp: 1696240

Ion Ratio Lower Upper

178 100

179 14.6 12.6 19.0

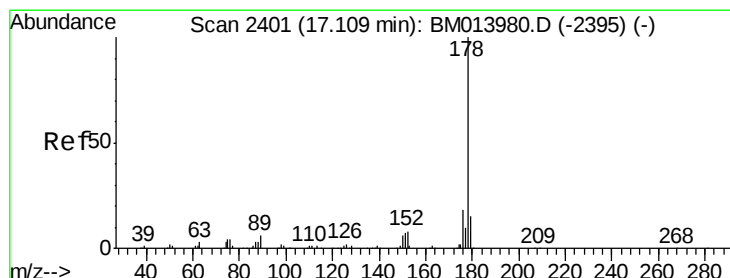
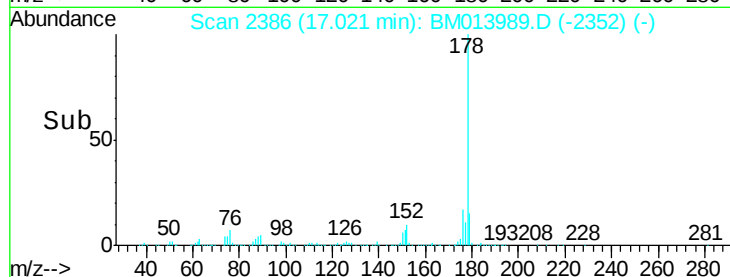
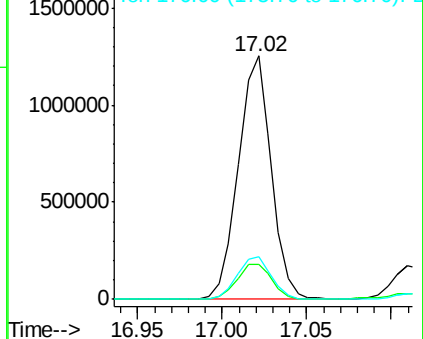
176 17.5 14.9 22.3



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: 7.341 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

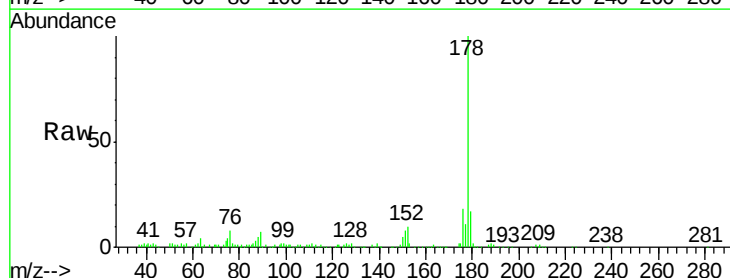
Tgt Ion:178 Resp: 260054

Ion Ratio Lower Upper

178 100

179 17.2 11.7 17.5

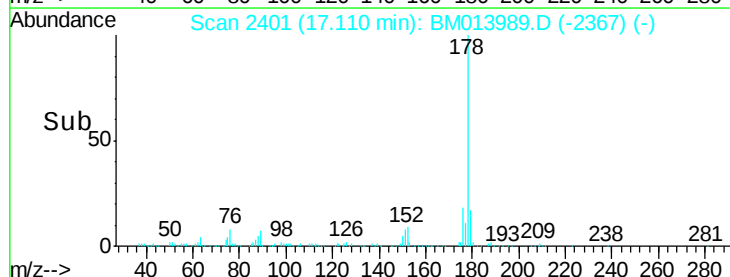
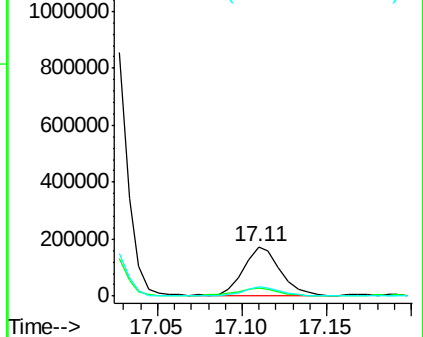
176 18.3 14.6 21.8

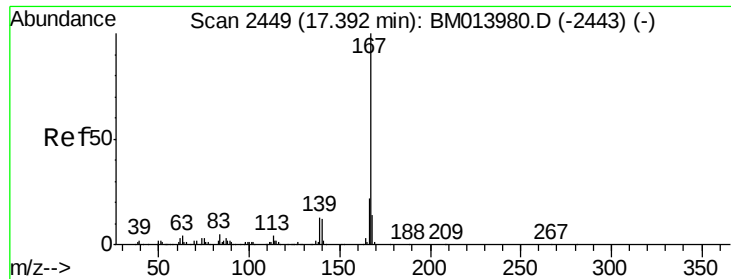


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

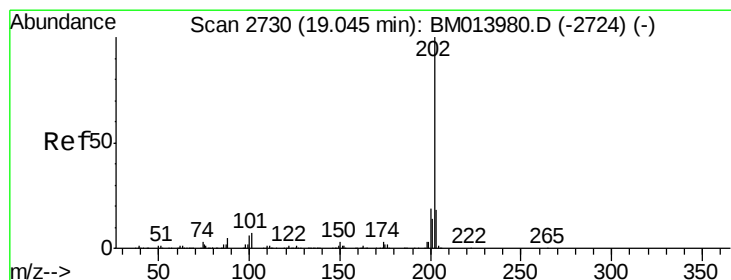
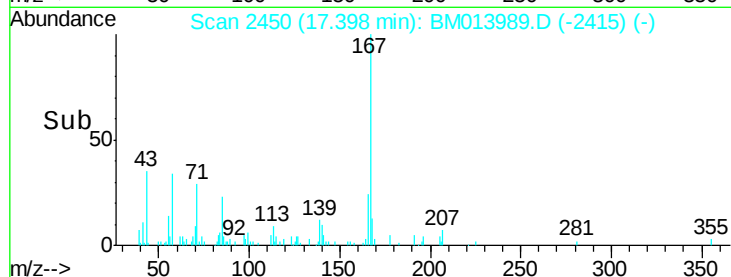
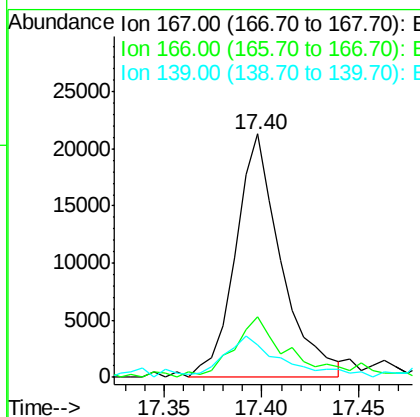
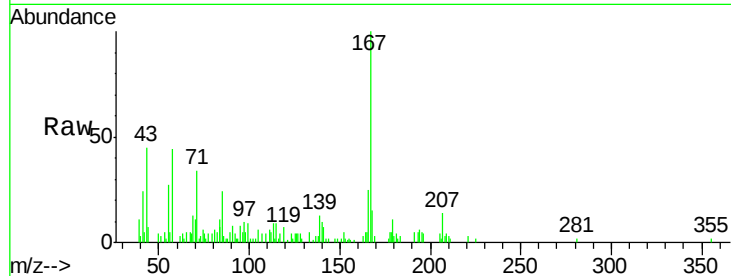




#72
 Carbazole
 Concen: 1.182 ng/ul
 RT: 17.40 min Scan# 2450
 Delta R.T. 0.01 min
 Lab File: BM013989.D
 Acq: 30 Jan 2018 09:51

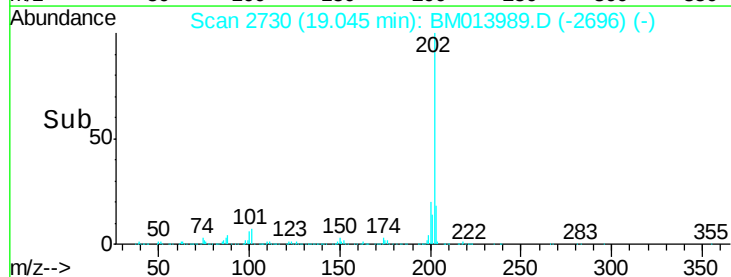
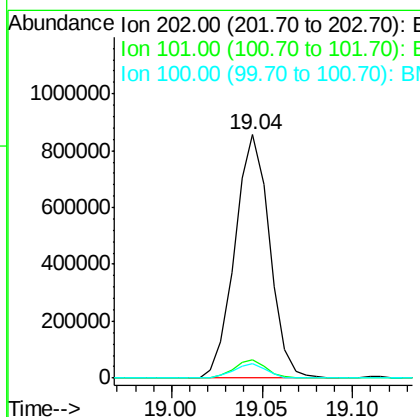
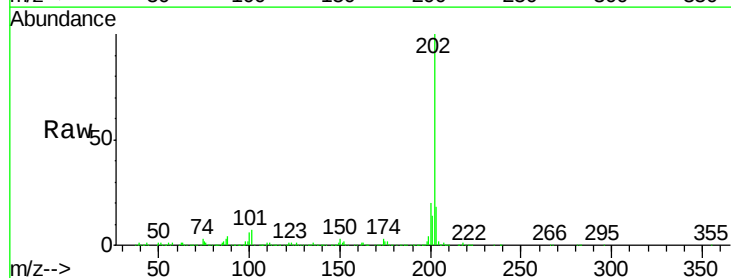
Instrument :
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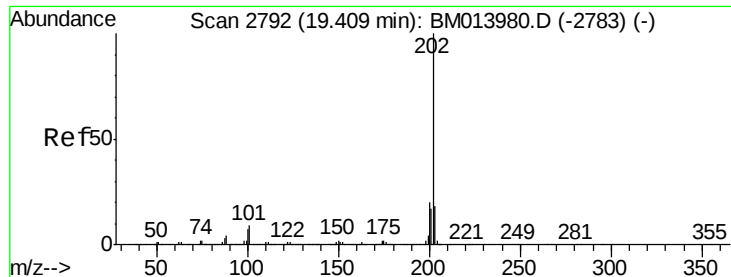
Tot Ion:167 Resp: 34560
 Ion Ratio Lower Upper
 167 100
 166 24.9 17.1 25.7
 139 13.1 10.0 15.0



#74
 Fluoranthene
 Concen: 27.857 ng/ul
 RT: 19.04 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: BM013989.D
 Acq: 30 Jan 2018 09:51

Tgt Ion:202 Resp: 1142098
 Ion Ratio Lower Upper
 202 100
 101 7.3 4.6 7.0#
 100 6.0 3.4 5.2#





#77

Pvrene

Concen: 15.979 ng/ul

RT: 19.41 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

Instrument :

BNA_M

ClientSampleId :

F6B20DL

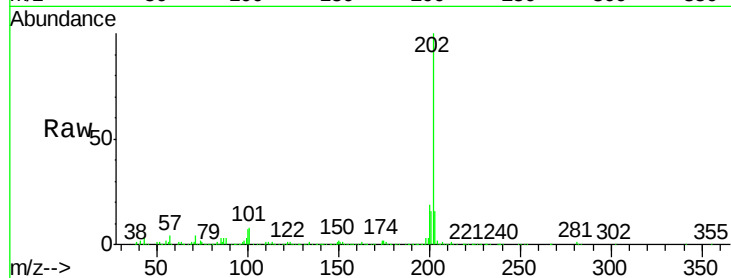
Tot Ion:202 Resp: 743135

Ion Ratio Lower Upper

202 100

101 8.0 5.1 7.7#

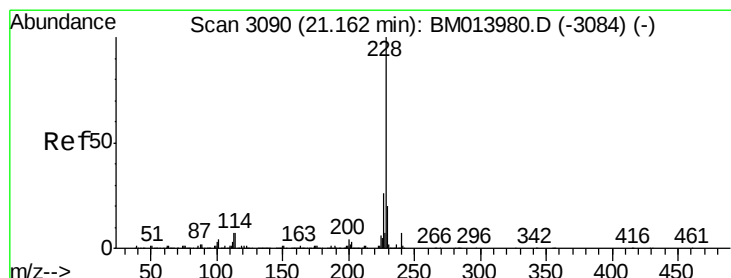
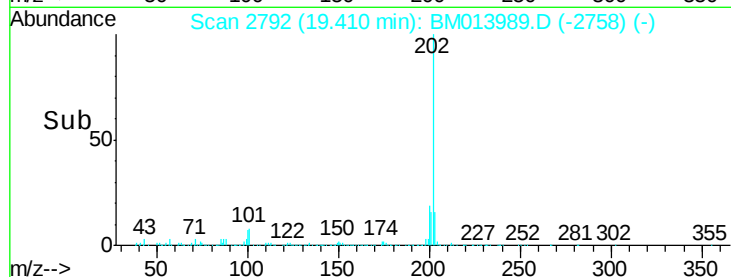
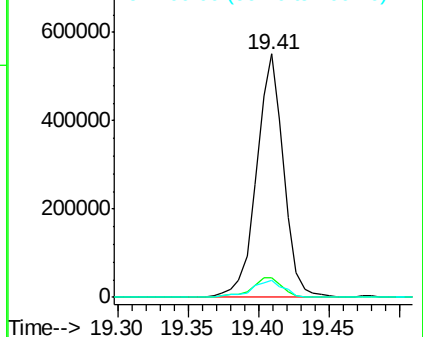
100 6.8 4.9 7.3



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: 3.977 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

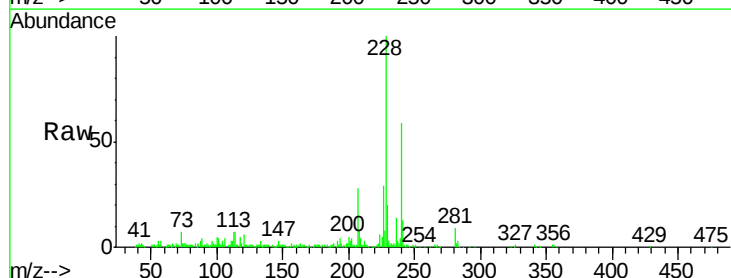
Tgt Ion:228 Resp: 183826

Ion Ratio Lower Upper

228 100

229 19.8 15.4 23.0

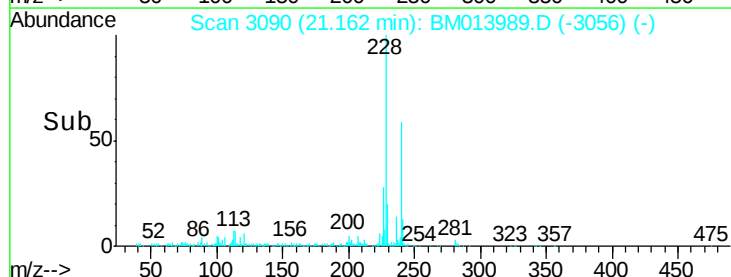
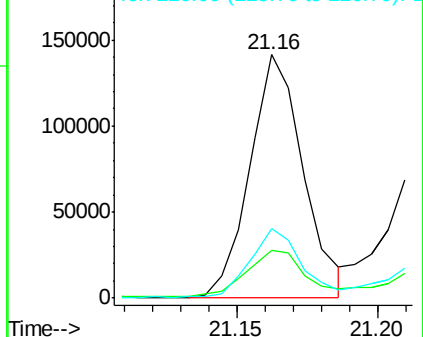
226 28.7 21.4 32.0

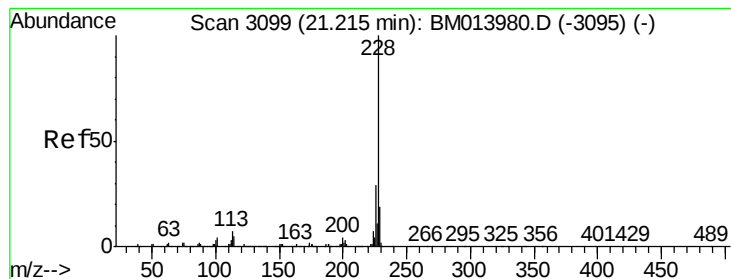


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 3.568 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

Instrument :

BNA_M

ClientSampled :

F6B20DL

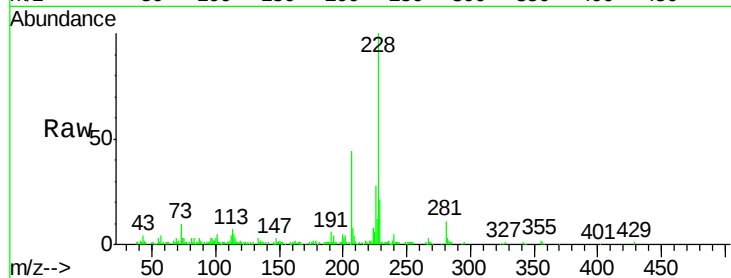
Tot Ion:228 Resp: 151308

Ion Ratio Lower Upper

228 100

226 27.7 23.4 35.2

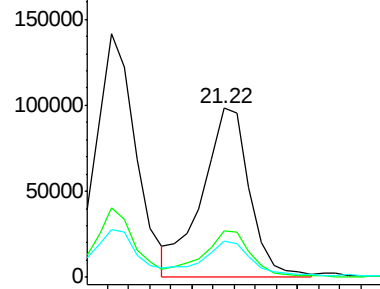
229 21.3 15.5 23.3



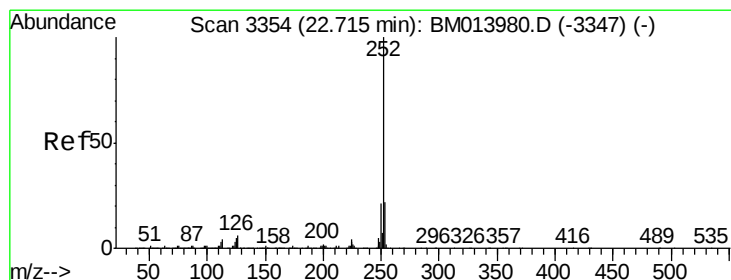
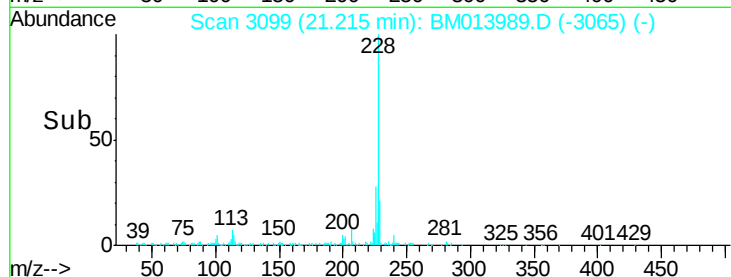
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 1.923 ng/ul

RT: 22.72 min Scan# 3354

Delta R.T. 0.00 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

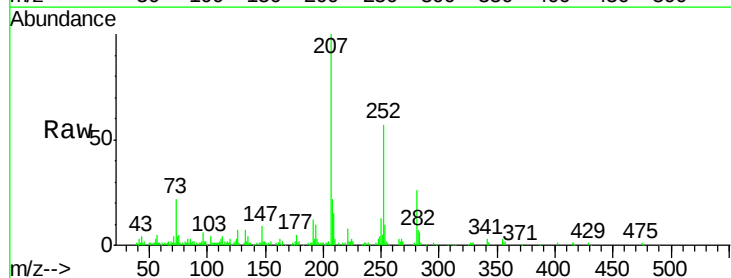
Tgt Ion:252 Resp: 92124

Ion Ratio Lower Upper

252 100

253 17.0 17.9 26.9#

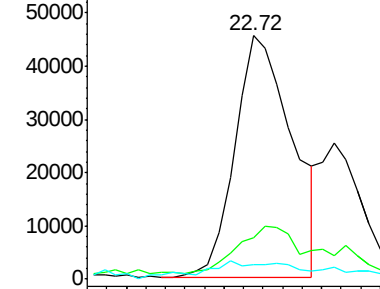
125 6.0 3.6 5.4#



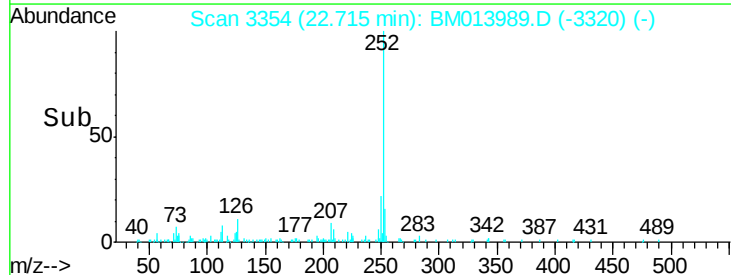
Abundance Ion 252.00 (251.70 to 252.70): E

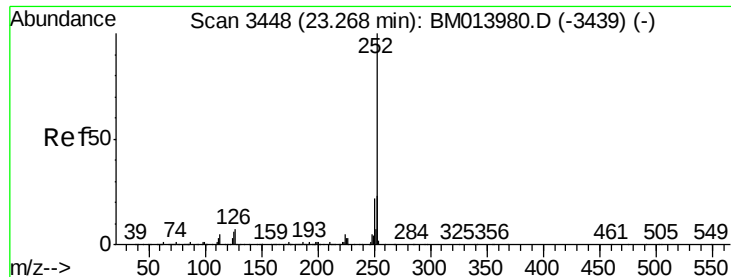
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#88

Benzo(a)pyrene

Concen: 1.112 ng/ul

RT: 23.27 min Scan# 3448

Delta R.T. 0.00 min

Lab File: BM013989.D

Acq: 30 Jan 2018 09:51

Instrument :

BNA_M

ClientSampleId :

F6B20DL

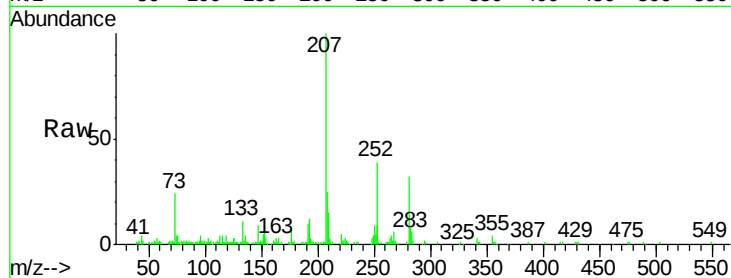
Tot Ion:252 Resp: 50343

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

125 7.6 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

