

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014787.D
 Acq On : 23 Apr 2018 21:51
 Operator : SJ/JU
 Sample : J2431-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 24 02:16:42 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 02:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	326140	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1368723	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	714316	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1507255	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1516722	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1584177	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	43412	5.81	ng/uL	0.00
5) Phenol-d5	7.65	99	775359	30.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	527084	32.60	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	646237	30.64	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	575289	28.61	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	302935	30.61	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	317214	32.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	564785	28.21	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	822811	41.63	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	1720862	30.86	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	2055861	29.86	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	210767	20.37	ng/ul	0.00
57) Fluorene-d10	16.10	176	1463724	30.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	146873	18.01	ng/ul	0.00
70) Anthracene-d10	17.94	188	2135346	30.40	ng/ul	0.00
76) Pyrene-d10	20.17	212	2286478	31.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	2561701	32.91	ng/ul	0.00

Target Compounds

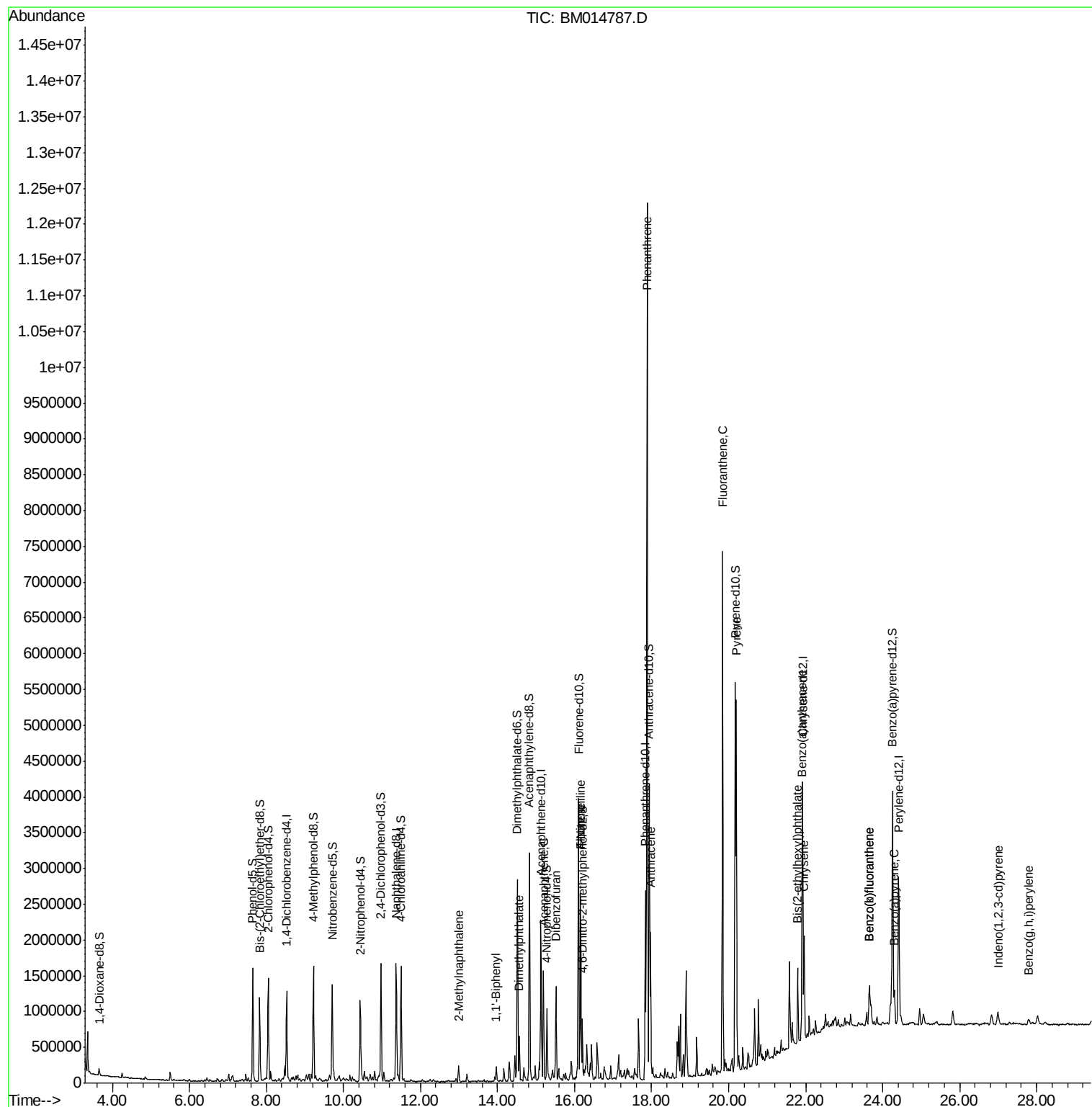
					Ovalue	
34) 2-Methylnaphthalene	12.99	142	98613	2.129	ng/ul	100
40) 1,1'-Biphenyl	13.97	154	101391	1.765	ng/ul#	97
44) Dimethylphthalate	14.56	163	345306	6.406	ng/ul	99
49) Acenaphthene	15.19	153	566330	11.946	ng/ul	99
53) Dibenzofuran	15.52	168	801512	12.175	ng/ul	99
58) Fluorene	16.16	166	1137620	21.401	ng/ul	99
60) 4-Nitroaniline	16.16	138	13583	1.197	ng/ul#	13
69) Phenanthrene	17.89	178	6991263	86.369	ng/ul	99
71) Anthracene	17.97	178	1182936	14.400	ng/ul	98
74) Fluoranthene	19.84	202	4049702	45.888	ng/ul#	82
77) Pyrene	20.20	202	2881145	32.512	ng/ul#	80
80) Benzo(a)anthracene	21.91	228	910887	10.270	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.79	149	319379	6.018	ng/ul#	95
82) Chrysene	21.96	228	761115	9.167	ng/ul	98
85) Benzo(b)fluoranthene	23.66	252	519910	5.567	ng/ul#	96
86) Benzo(k)fluoranthene	23.66	252	519910	5.790	ng/ul#	94
88) Benzo(a)pyrene	24.31	252	354140	3.998	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.99	276	121649	1.135	ng/ul#	88
91) Benzo(g,h,i)perylene	27.80	276	90197	1.023	ng/ul#	92

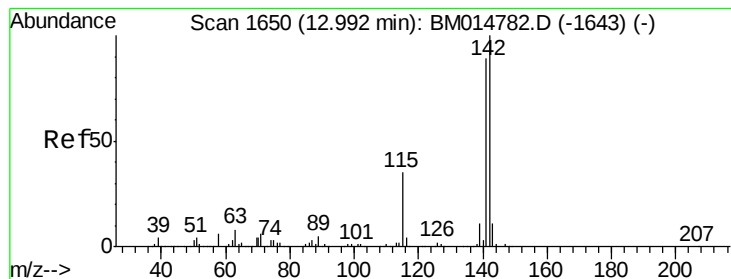
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#34

2-Methylnaphthalene

Concen: 2.129 ng/ul

RT: 12.99 min Scan# 1650

Delta R.T. 0.00 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

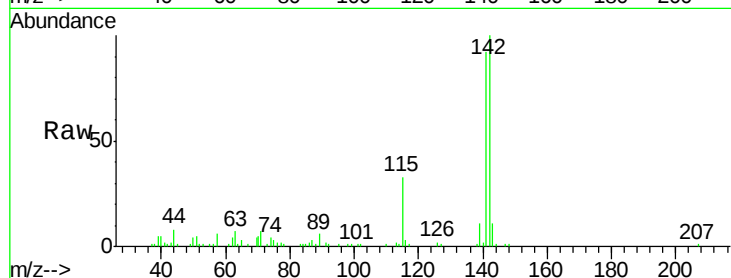
ClientSampleId :

Tot Ion:142 Resp: 98613

Ion Ratio Lower Upper

142 100

141 92.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.99

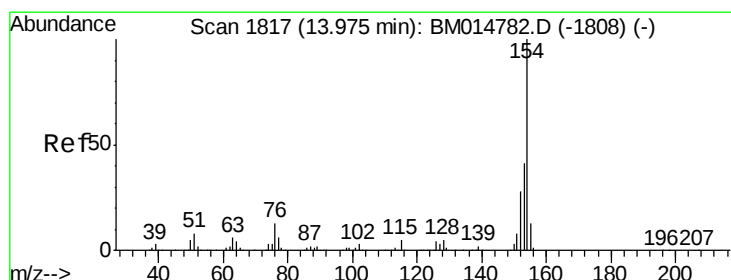
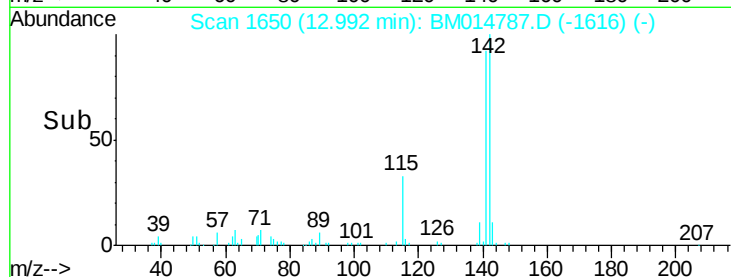
60000

40000

20000

0

Time--> 12.95 13.00 13.05



#40

1,1'-Biphenyl

Concen: 1.765 ng/ul

RT: 13.97 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

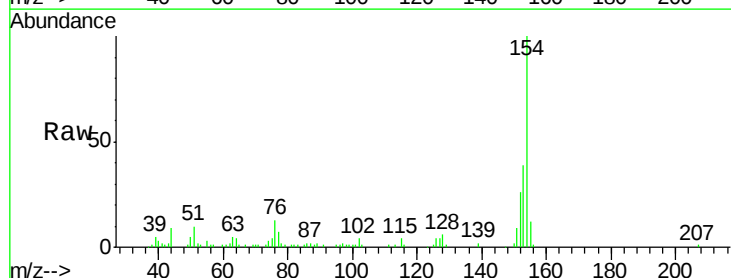
Tgt Ion:154 Resp: 101391

Ion Ratio Lower Upper

154 100

153 39.2 32.6 48.8

76 13.3 8.5 12.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

13.97

80000

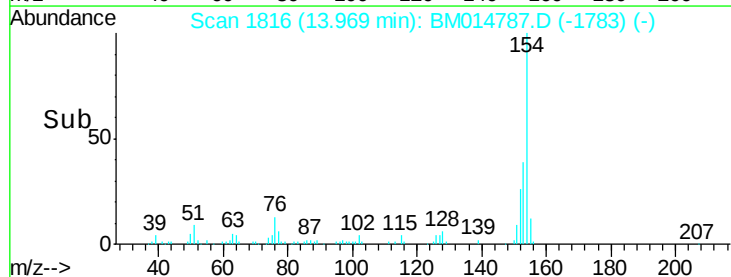
60000

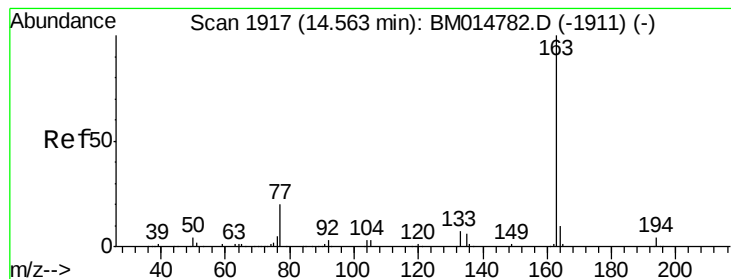
40000

20000

0

Time--> 13.90 13.95 14.00





#44

Dimethylphthalate

Concen: 6.406 ng/ul

RT: 14.56 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

ClientSampleId :

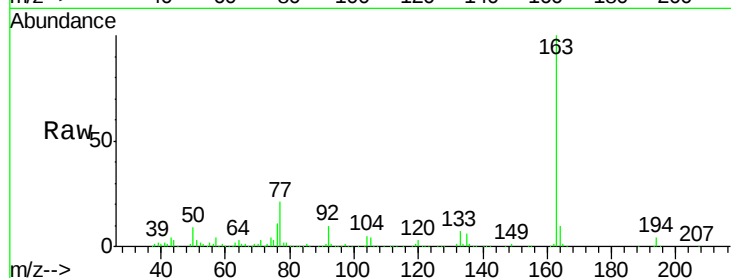
Tot Ion:163 Resp: 345306

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

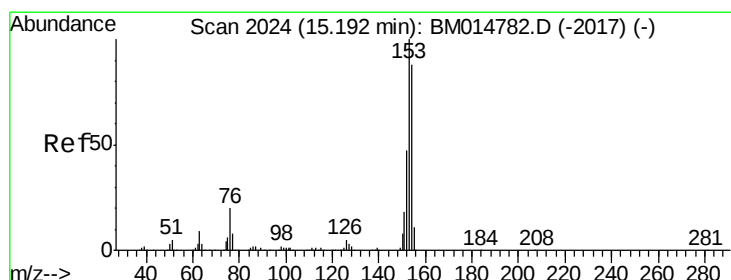
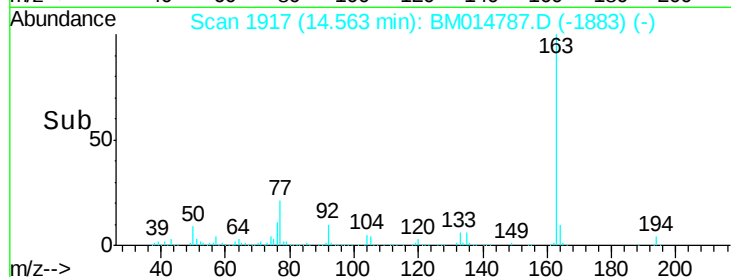
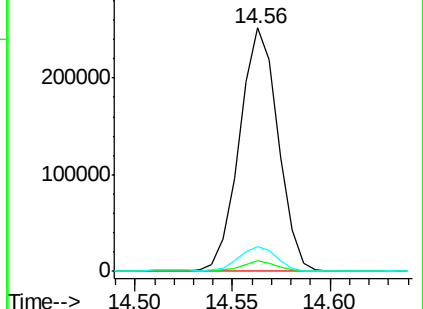
164 10.0 8.2 12.4



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: 11.946 ng/ul

RT: 15.19 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

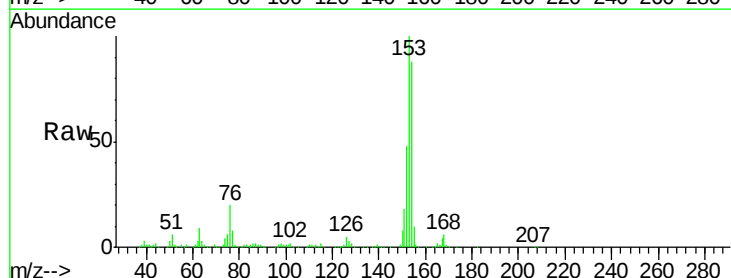
Tgt Ion:153 Resp: 566330

Ion Ratio Lower Upper

153 100

152 48.1 37.6 56.4

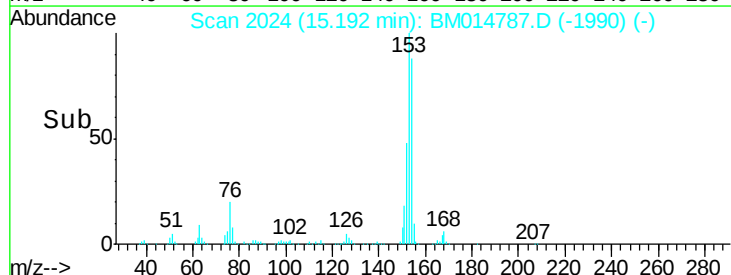
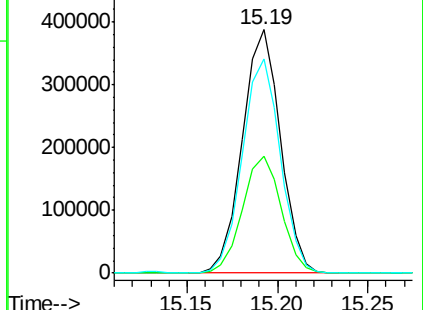
154 87.7 70.4 105.6

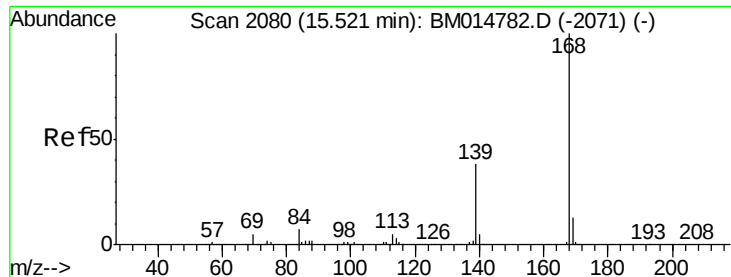


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 12.175 ng/ul

RT: 15.52 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

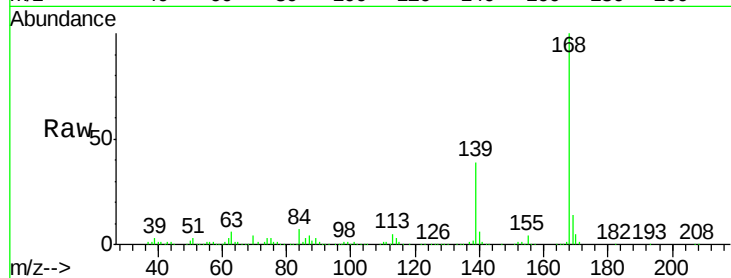
ClientSampleId :

Tot Ion:168 Resp: 801512

Ion Ratio Lower Upper

168 100

139 39.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.52

600000

500000

400000

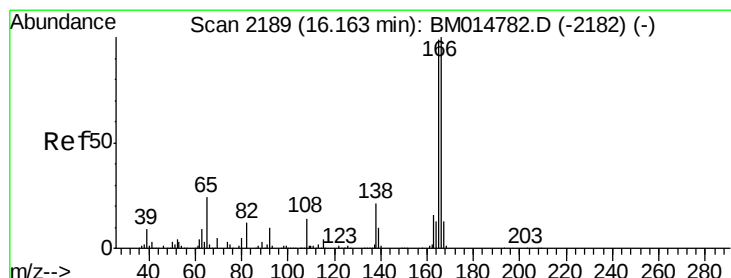
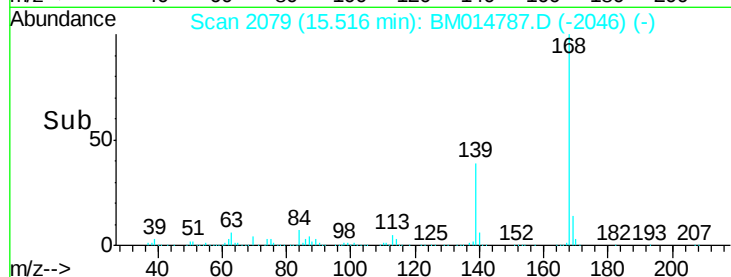
300000

200000

100000

0

Time--> 15.45 15.50 15.55



#58

Fluorene

Concen: 21.401 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

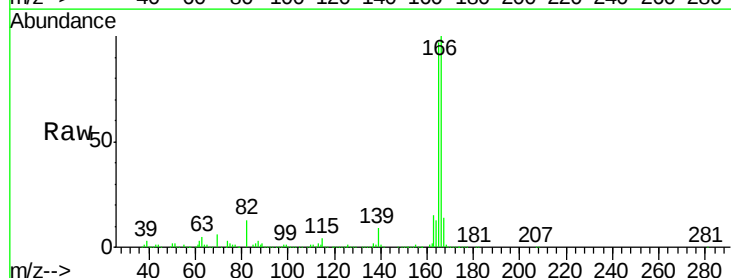
Tgt Ion:166 Resp: 1137620

Ion Ratio Lower Upper

166 100

165 96.8 77.9 116.9

167 13.7 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

16.16

1000000

800000

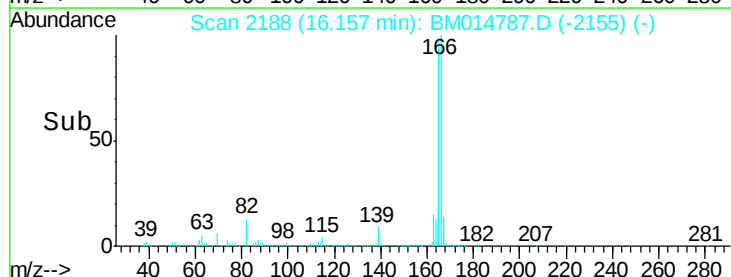
600000

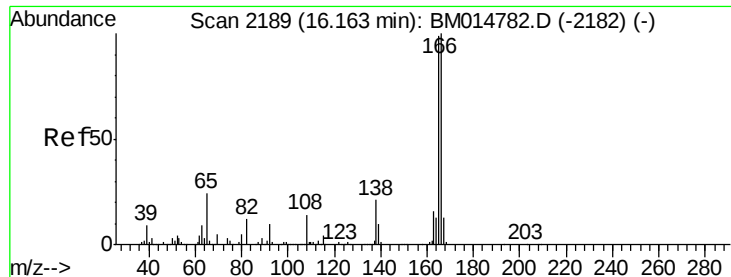
400000

200000

0

Time--> 16.10 16.15 16.20 16.25





#60

4-Nitroaniline

Concen: 1.197 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

ClientSampleId :

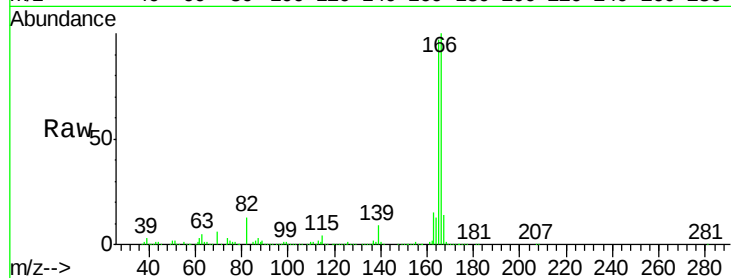
Tot Ion:138 Resp: 13583

Ion Ratio Lower Upper

138 100

92 3.4 40.0 60.0#

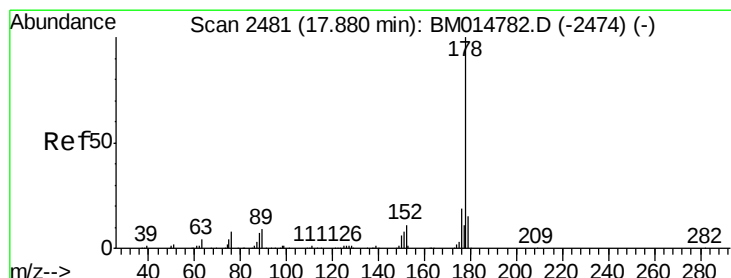
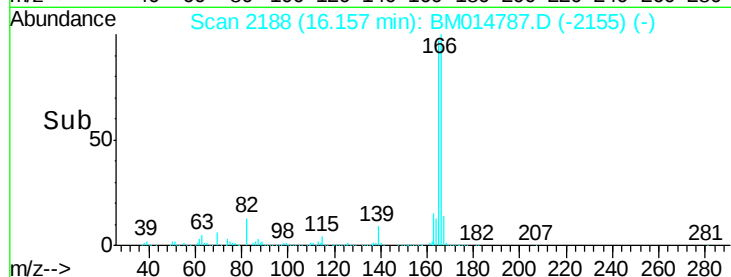
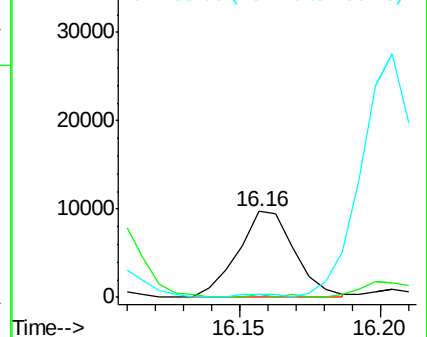
108 4.1 80.0 120.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 86.369 ng/ul

RT: 17.89 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

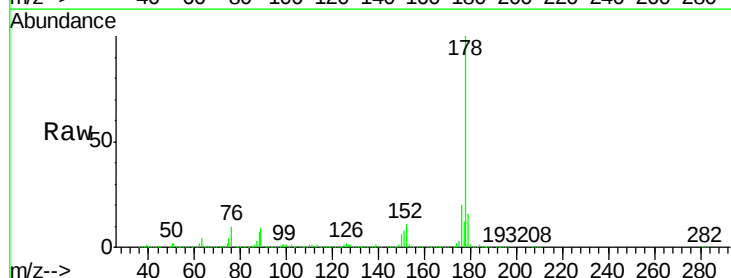
Tgt Ion:178 Resp: 6991263

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

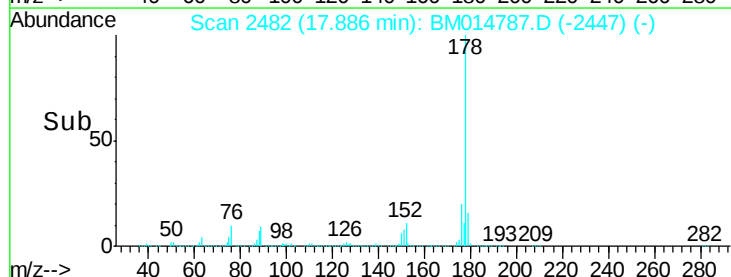
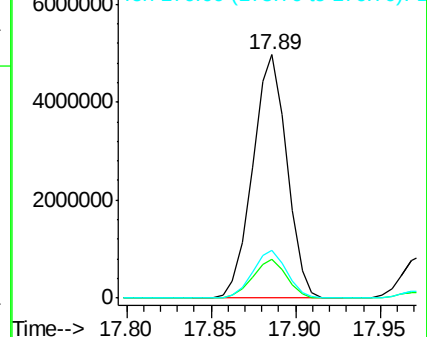
176 19.7 14.9 22.3

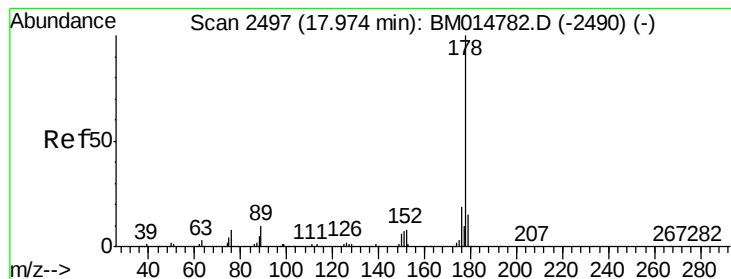


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 14.400 ng/ul

RT: 17.97 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

ClientSampleId :

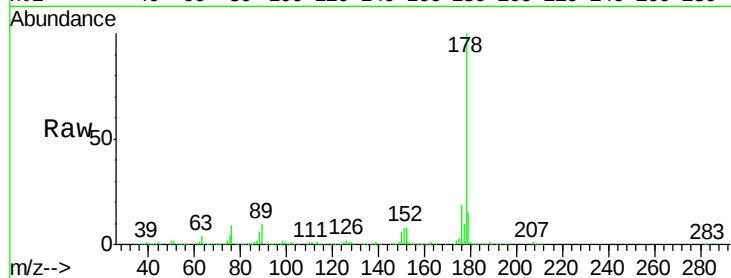
Tot Ion:178 Resp: 1182936

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.7	17.5
176	18.9	14.6	21.8

178 100

179 15.4 11.7 17.5

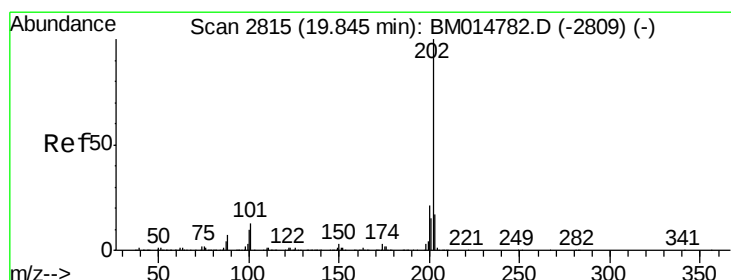
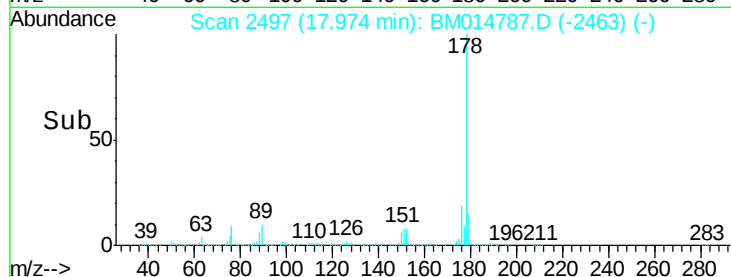
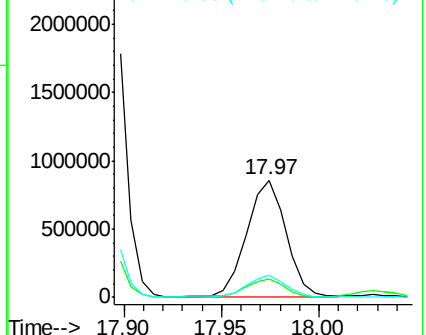
176 18.9 14.6 21.8



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



#74

Fluoranthene

Concen: 45.888 ng/ul

RT: 19.84 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

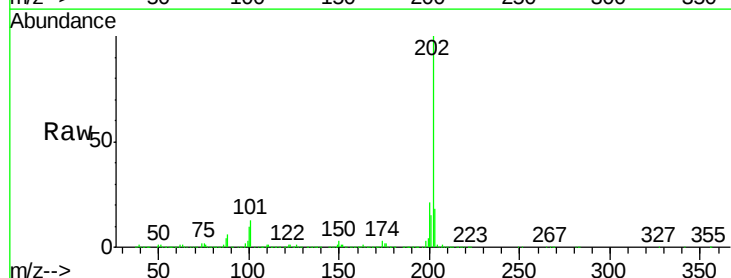
Tgt Ion:202 Resp: 4049702

Ion	Ratio	Lower	Upper
202	100		
101	12.6	4.6	7.0#
100	9.6	3.4	5.2#

202 100

101 12.6 4.6 7.0#

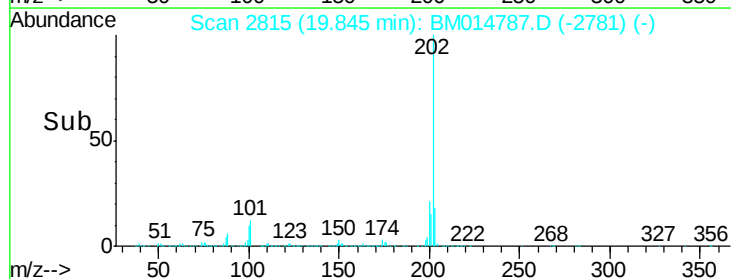
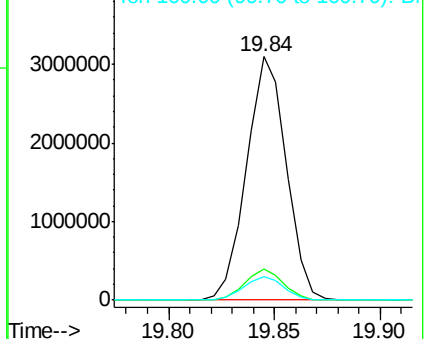
100 9.6 3.4 5.2#

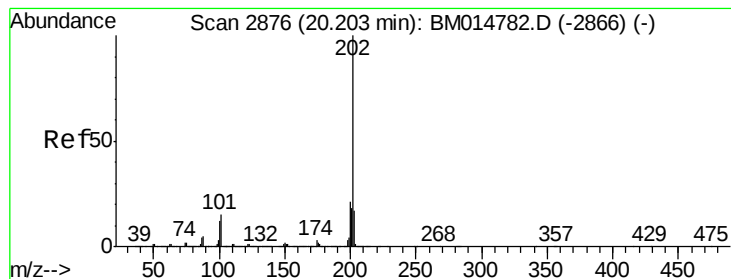


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 32.512 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

ClientSampled :

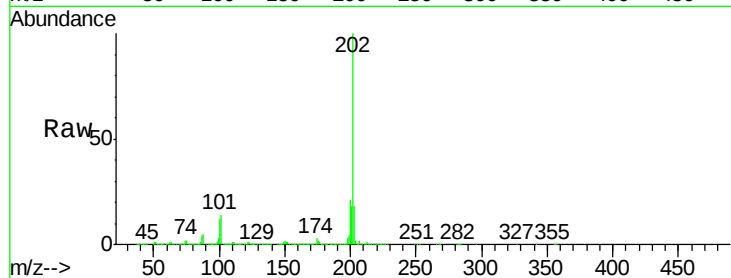
Tot Ion:202 Resp: 2881145

Ion Ratio Lower Upper

202 100

101 14.4 5.1 7.7#

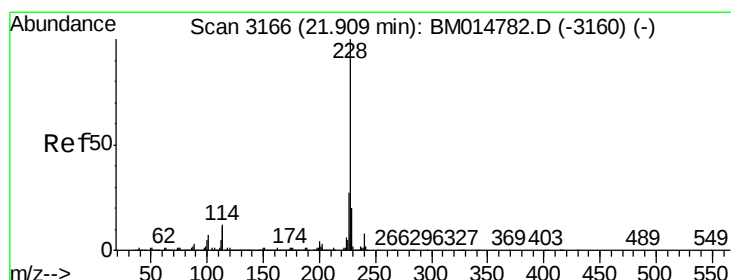
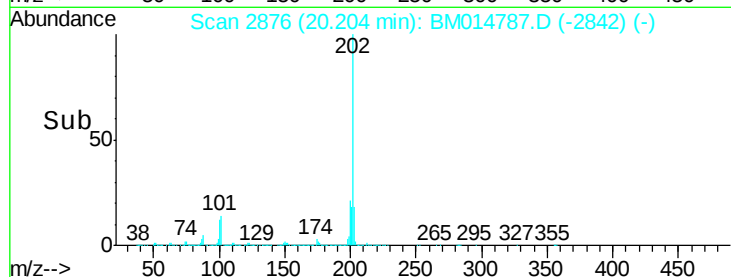
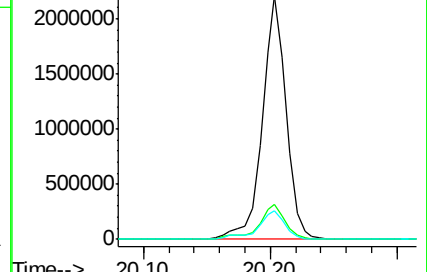
100 11.7 4.9 7.3#



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): E



#80

Benzo(a)anthracene

Concen: 10.270 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. 0.00 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

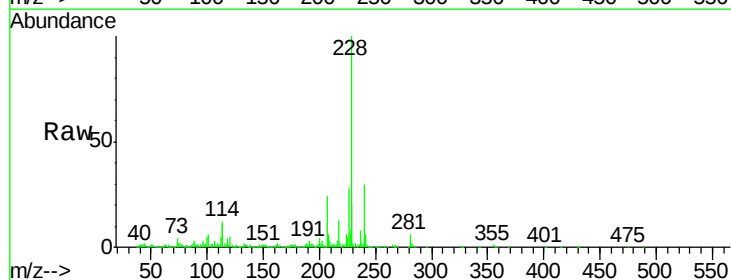
Tgt Ion:228 Resp: 910887

Ion Ratio Lower Upper

228 100

229 19.9 15.4 23.0

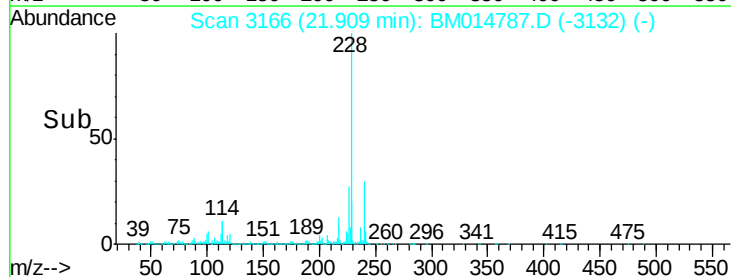
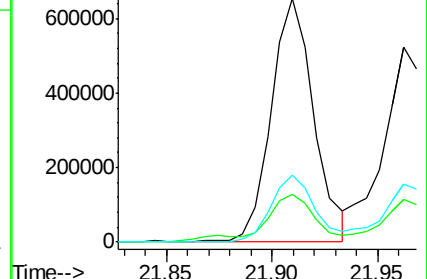
226 27.5 21.4 32.0

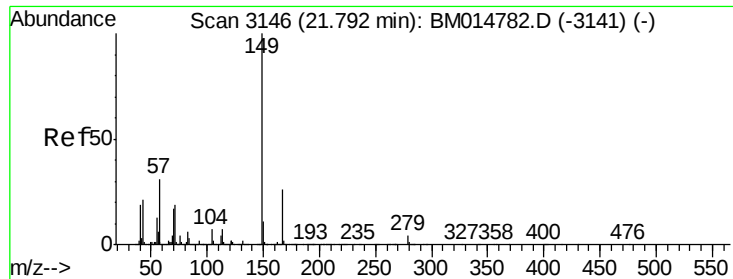


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 6.018 ng/ul

RT: 21.79 min Scan# 3146

Delta R.T. 0.00 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

ClientSampleId :

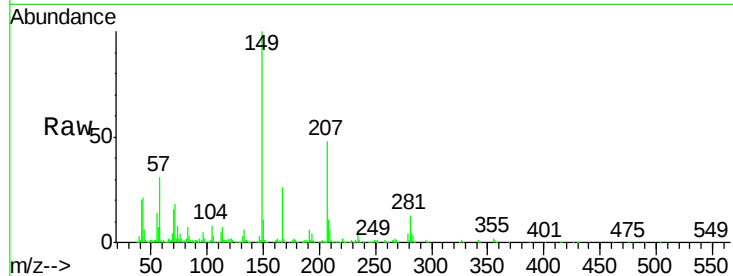
Tot Ion:149 Resp: 319379

Ion Ratio Lower Upper

149 100

167 25.8 22.8 34.2

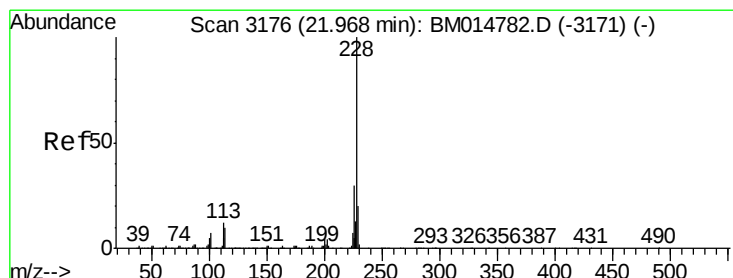
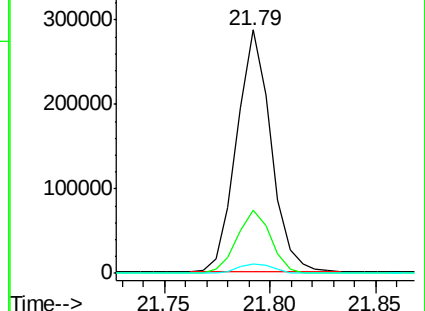
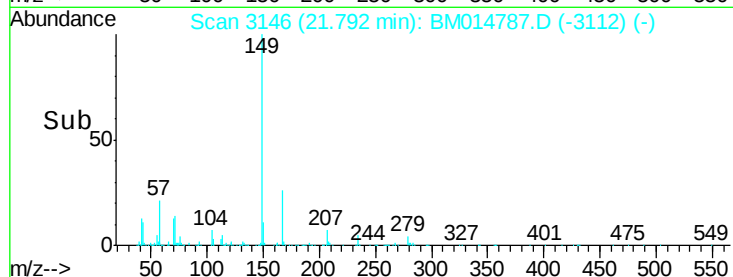
279 4.0 4.9 7.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 9.167 ng/ul

RT: 21.96 min Scan# 3175

Delta R.T. -0.01 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

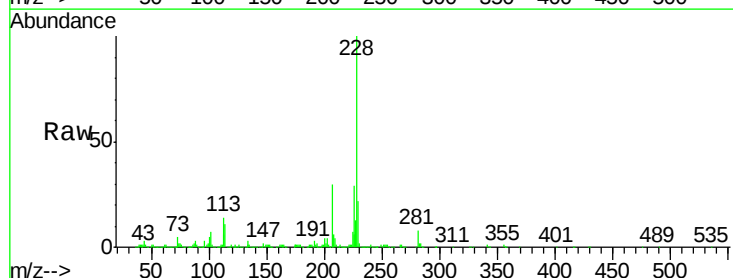
Tgt Ion:228 Resp: 761115

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.2

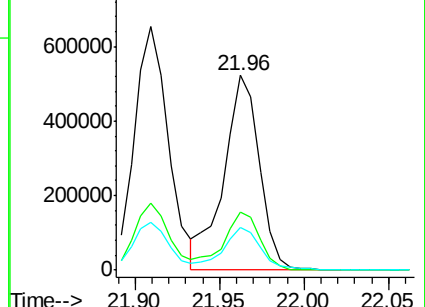
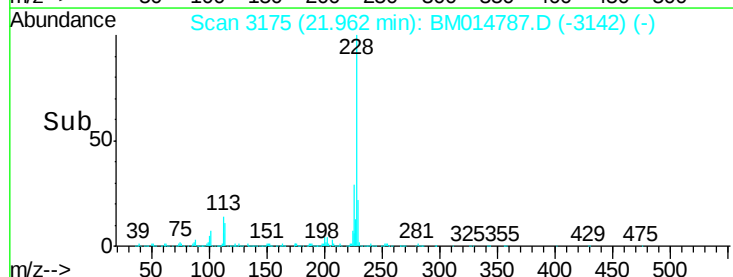
229 22.0 15.5 23.3

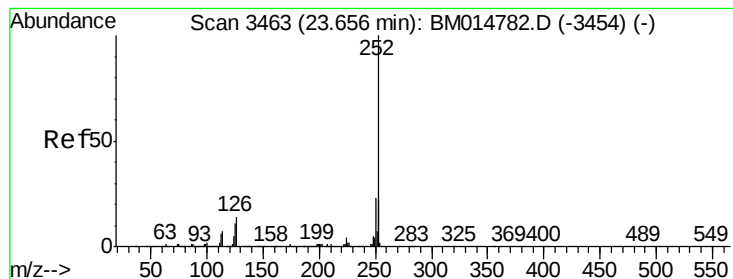


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 5.567 ng/ul

RT: 23.66 min Scan# 3463

Delta R.T. 0.00 min

Lab File: BM014787.D

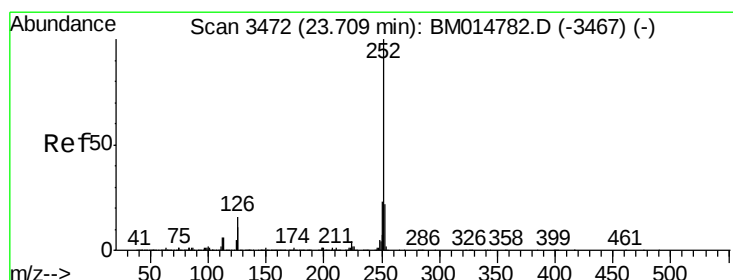
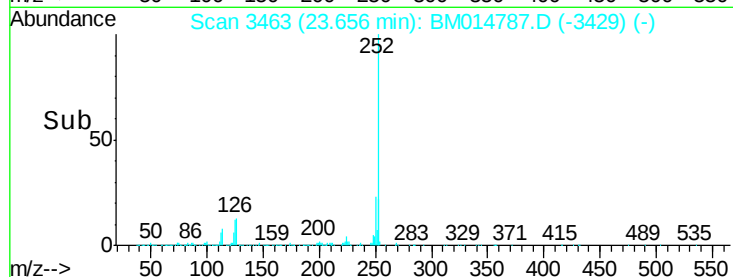
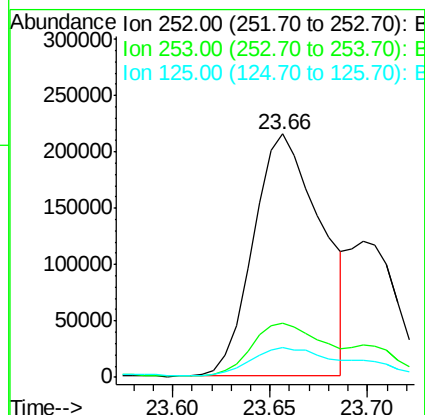
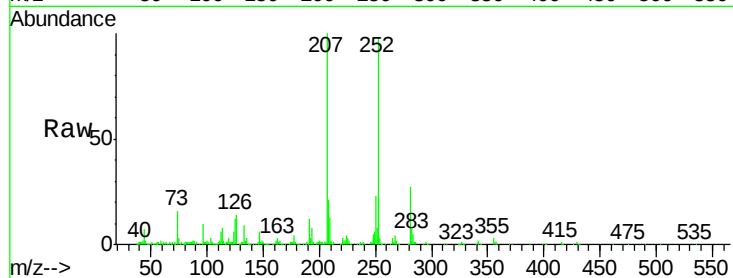
Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	519910
Ion Ratio	Lower	Upper
252	100	
253	22.5	17.9 26.9
125	12.2	3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 5.790 ng/ul

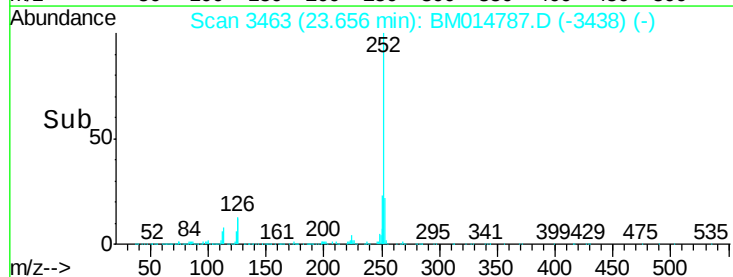
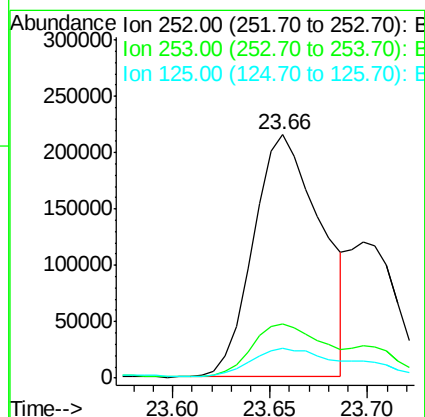
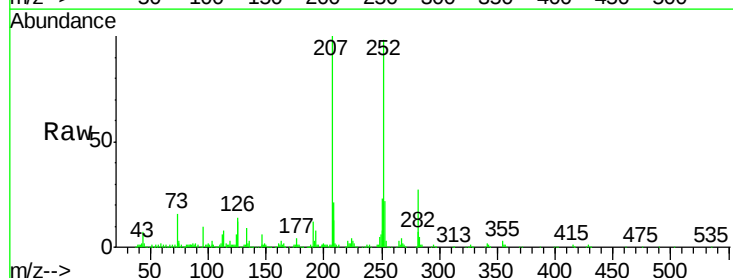
RT: 23.66 min Scan# 3463

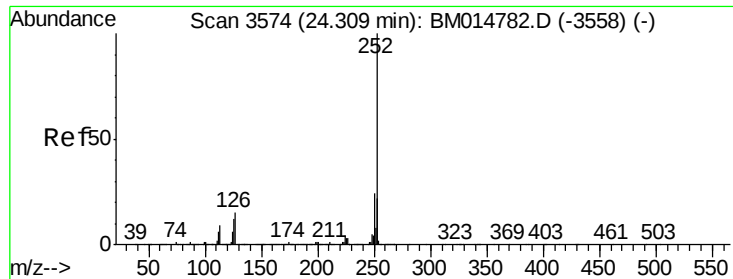
Delta R.T. -0.05 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Tgt Ion:252	Resp:	519910
Ion Ratio	Lower	Upper
252	100	
253	22.5	17.1 25.7
125	12.2	3.4 5.2#





#88

Benzo(a)pyrene

Concen: 3.998 ng/ul

RT: 24.31 min Scan# 3574

Delta R.T. 0.00 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

ClientSampleId :

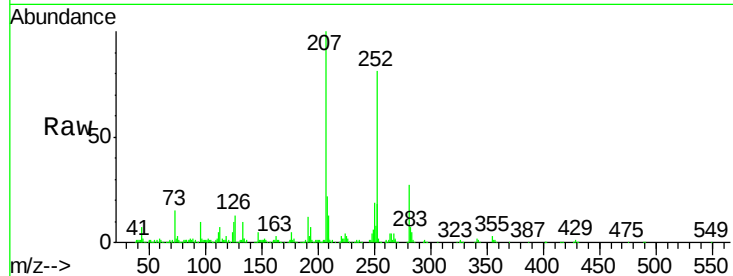
Tot Ion:252 Resp: 354140

Ion Ratio Lower Upper

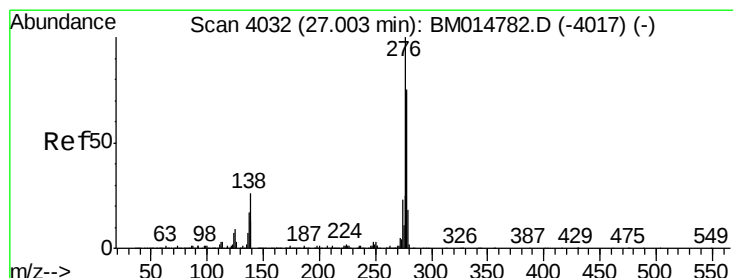
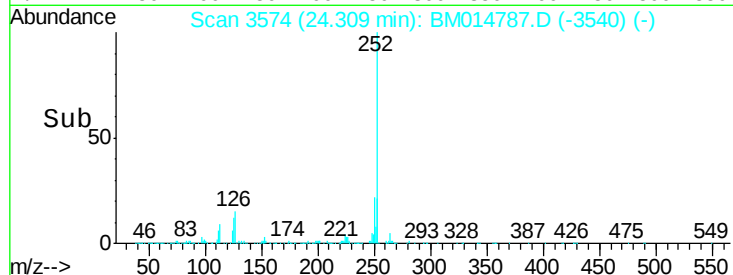
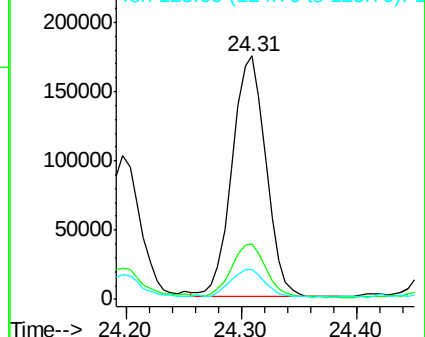
252 100

253 22.7 18.2 27.2

125 12.3 4.0 6.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.135 ng/ul

RT: 26.99 min Scan# 4029

Delta R.T. -0.02 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

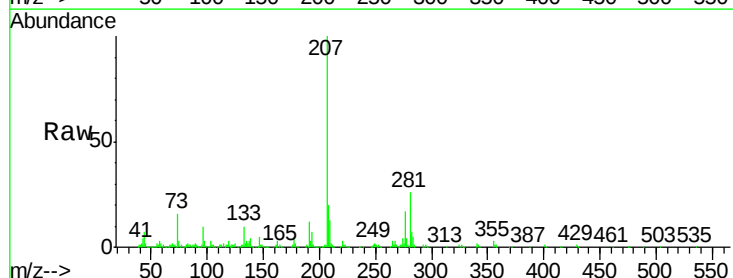
Tgt Ion:276 Resp: 121649

Ion Ratio Lower Upper

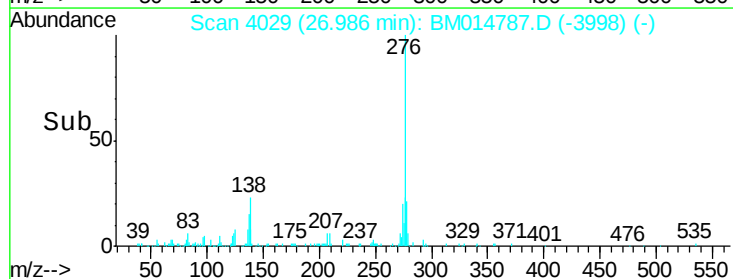
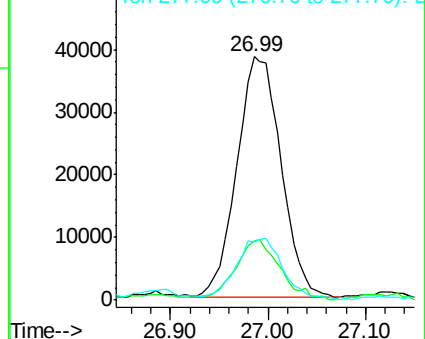
276 100

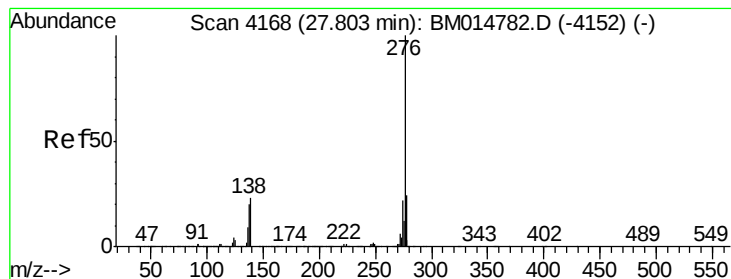
138 24.1 9.3 13.9#

277 23.9 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





#91

Benzo(a,h,i)perylene

Concen: 1.023 ng/ul

RT: 27.80 min Scan# 4167

Delta R.T. -0.01 min

Lab File: BM014787.D

Acq: 23 Apr 2018 21:51

Instrument :

BNA_M

ClientSampleId :

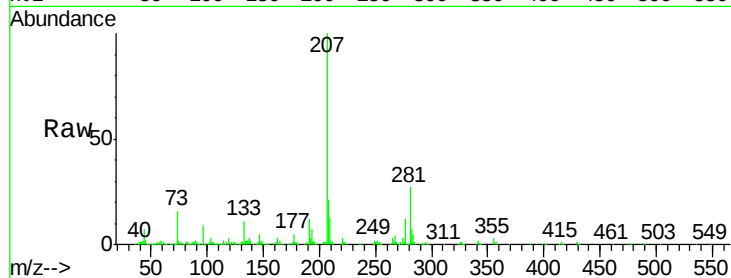
Tot Ion:276 Resp: 90197

Ion Ratio Lower Upper

276 100

138 19.8 8.5 12.7#

277 23.1 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

