

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
 Data File : BM014770.D
 Acq On : 20 Apr 2018 19:18
 Operator : SJ/JU
 Sample : J2434-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC6

Quant Time: Apr 20 23:56:09 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 20 23:53:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.55	152	327919	20.00	ng/ul	0.00
18) Naphthalene-d8	11.39	136	1329007	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.14	164	691882	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	1428316	20.00	ng/ul	0.00
75) Chrysene-d12	21.94	240	1417902	20.00	ng/ul	0.00
83) Perylene-d12	24.44	264	1506117	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.68	96	29526	3.93	ng/uL	0.00
5) Phenol-d5	7.66	99	529689	20.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.85	67	382984	23.56	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	469314	22.13	ng/ul	0.00
13) 4-Methylphenol-d8	9.24	113	369721	18.29	ng/ul	0.00
19) Nitrobenzene-d5	9.73	128	226698	23.59	ng/ul	0.00
22) 2-Nitrophenol-d4	10.46	143	227319	23.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.99	165	425654	21.90	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	495511	25.82	ng/ul	0.00
43) Dimethylphthalate-d6	14.53	166	1260056	23.33	ng/ul	0.00
46) Acenaphthylene-d8	14.84	160	1624879	24.36	ng/ul	0.00
51) 4-Nitrophenol-d4	15.30	143	140483	14.02	ng/ul	0.00
57) Fluorene-d10	16.12	176	1066296	22.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.22	200	57451	7.43	ng/ul	0.00
70) Anthracene-d10	17.95	188	1566647	23.54	ng/ul	0.00
76) Pyrene-d10	20.19	212	1639510	24.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.29	264	1661721	22.46	ng/ul	0.01

Target Compounds

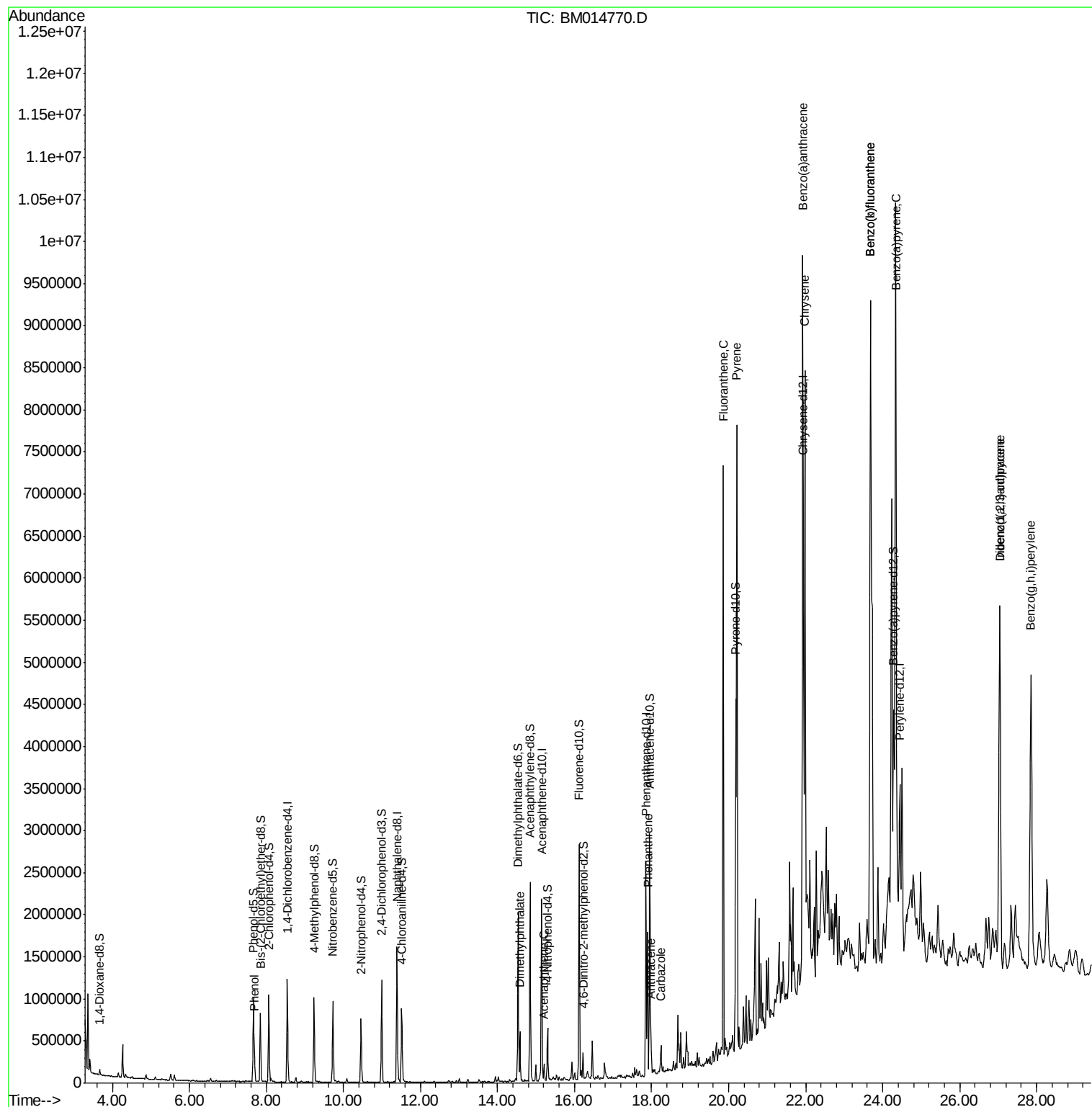
					Ovalue	
6) Phenol	7.69	94	125869	5.046	ng/ul#	80
44) Dimethylphthalate	14.58	163	355307	6.805	ng/ul	99
49) Acenaphthene	15.21	153	74412	1.621	ng/ul	100
69) Phenanthrene	17.90	178	973254	12.688	ng/ul	99
71) Anthracene	17.99	178	216622	2.783	ng/ul	98
72) Carbazole	18.24	167	190336	2.866	ng/ul	99
74) Fluoranthene	19.86	202	4054244	48.478	ng/ul#	82
77) Pyrene	20.22	202	4351423	52.525	ng/ul#	82
80) Benzo(a)anthracene	21.93	228	3599371	43.410	ng/ul	97
82) Chrysene	21.98	228	3943177	50.800	ng/ul	96
85) Benzo(b)fluoranthene	23.69	252	7493327	84.399	ng/ul#	95
86) Benzo(k)fluoranthene	23.69	252	7493327	87.769	ng/ul#	93
88) Benzo(a)pyrene	24.34	252	5882894	69.852	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	27.04	276	4400940	43.195	ng/ul#	92
90) Dibenzo(a,h)anthracene	27.04	278	1146253	13.362	ng/ul#	92
91) Benzo(g,h,i)perylene	27.86	276	4511281	53.822	ng/ul#	89

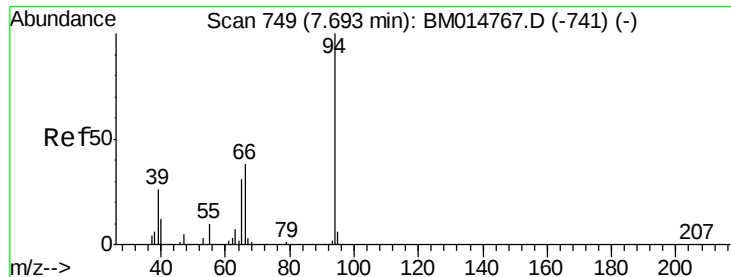
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 20 23:53:34 2018
Response via : Initial Calibration





#6

Phenol

Concen: 5.046 ng/ul

RT: 7.69 min Scan# 749

Delta R.T. -0.00 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

Instrument :

BNA_M

ClientSampleId :

C0AC6

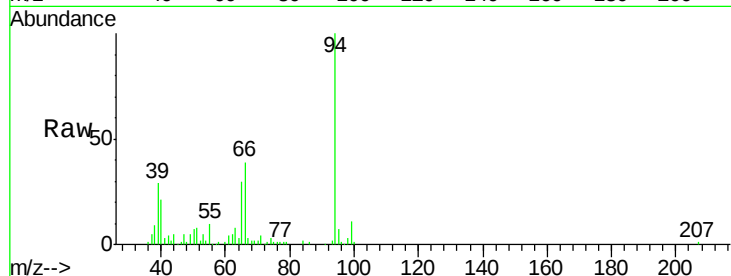
Tot Ion: 94 Resp: 125869

Ion Ratio Lower Upper

94 100

65 30.0 28.2 42.4

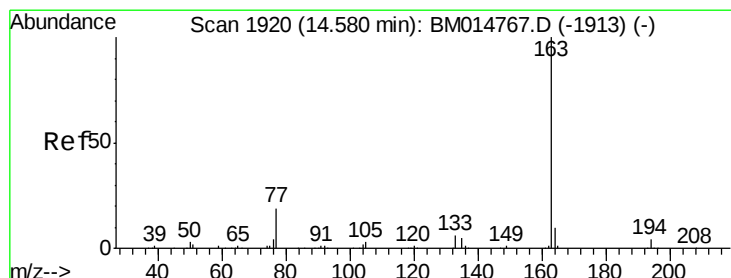
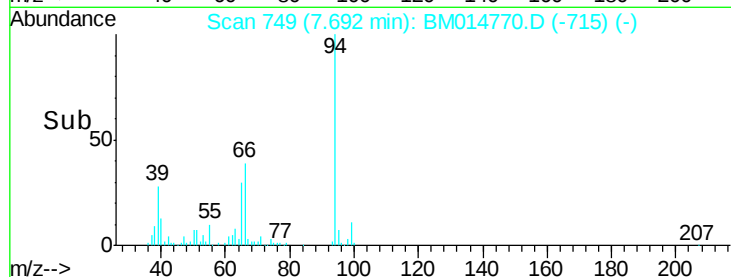
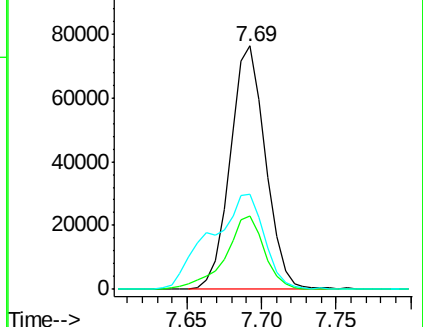
66 39.1 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM014767.D (-741) (-)

Ion 65.00 (64.70 to 65.70): BM014767.D (-741) (-)

Ion 66.00 (65.70 to 66.70): BM014767.D (-741) (-)



#44

Dimethylphthalate

Concen: 6.805 ng/ul

RT: 14.58 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

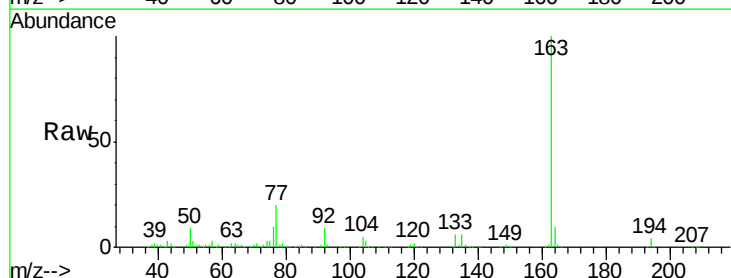
Tgt Ion:163 Resp: 355307

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

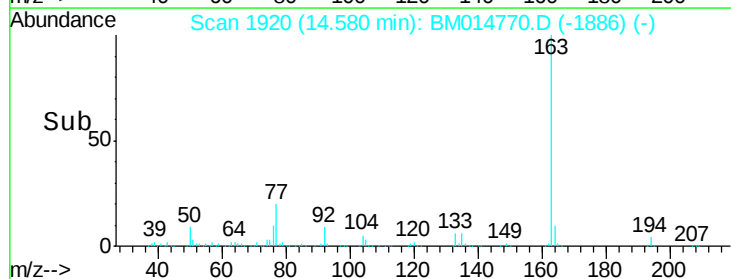
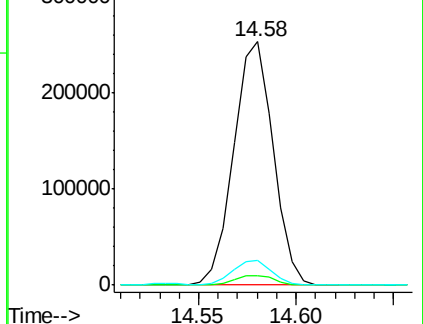
164 10.2 8.2 12.4

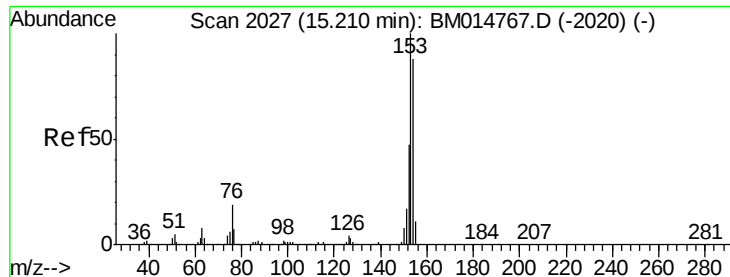


Abundance Ion 163.00 (162.70 to 163.70): BM014767.D (-1913) (-)

Ion 194.00 (193.70 to 194.70): BM014767.D (-1913) (-)

Ion 164.00 (163.70 to 164.70): BM014767.D (-1913) (-)





#49

Acenaphthene

Concen: 1.621 ng/ul

RT: 15.21 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

Instrument :

BNA_M

ClientSampleId :

C0AC6

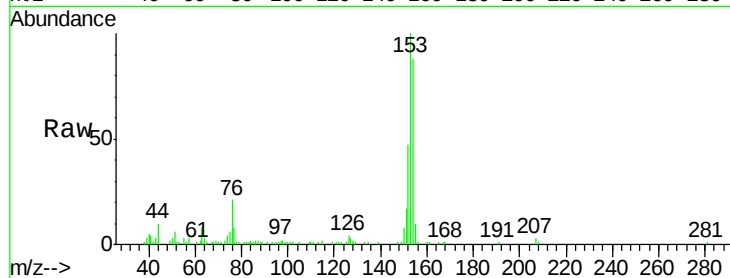
Tot Ion:153 Resp: 74412

Ion Ratio Lower Upper

153 100

152 47.0 37.6 56.4

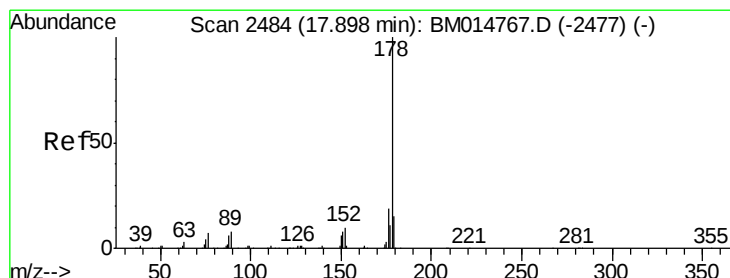
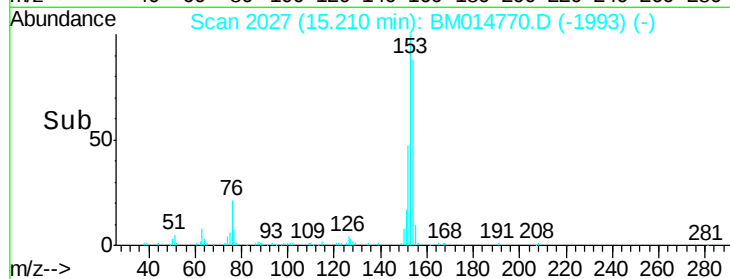
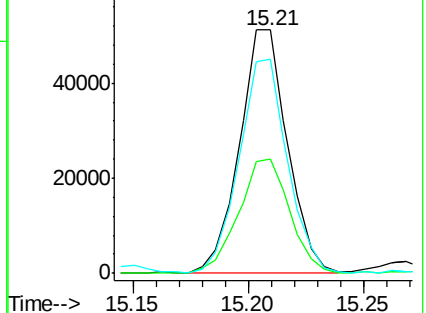
154 88.1 70.4 105.6



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



#69

Phenanthrene

Concen: 12.688 ng/ul

RT: 17.90 min Scan# 2484

Delta R.T. -0.00 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

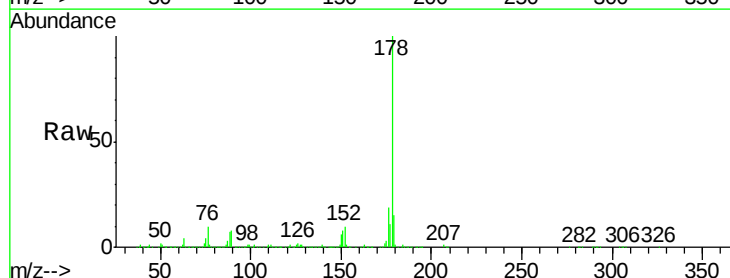
Tgt Ion:178 Resp: 973254

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

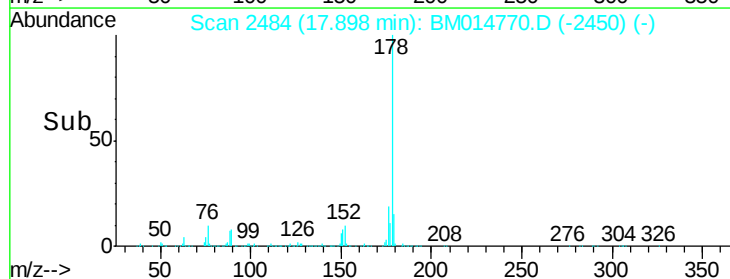
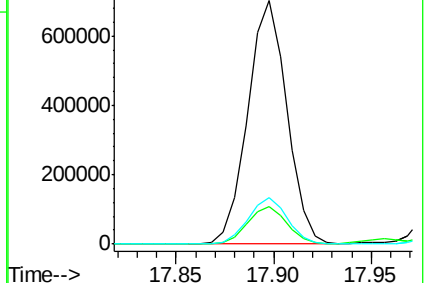
176 19.1 14.9 22.3

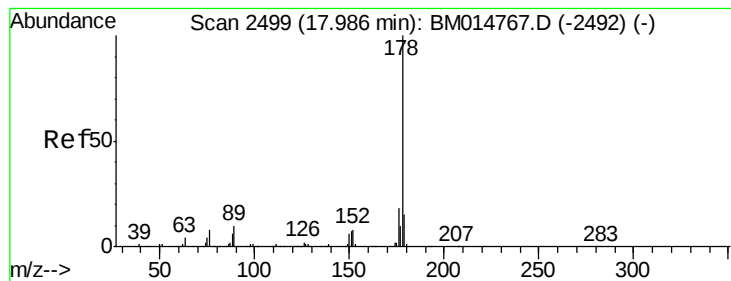


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.783 ng/ul

RT: 17.99 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

Instrument :

BNA_M

ClientSampleId :

C0AC6

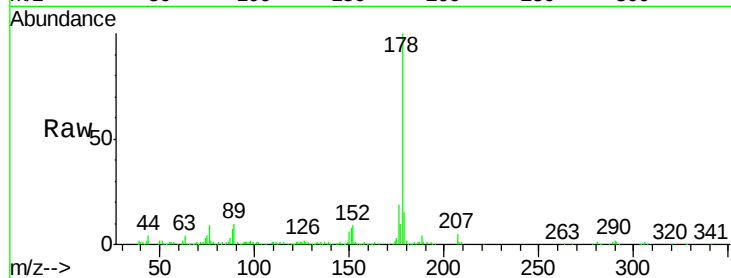
Tot Ion:178 Resp: 216622

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

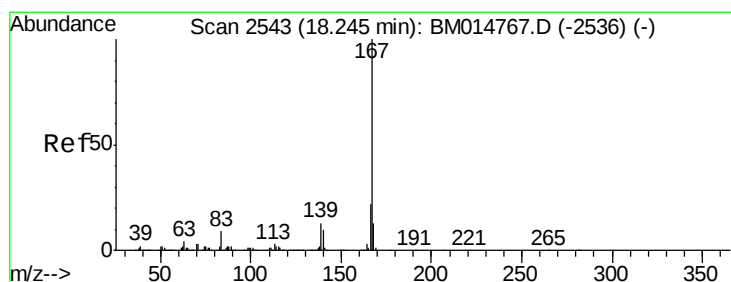
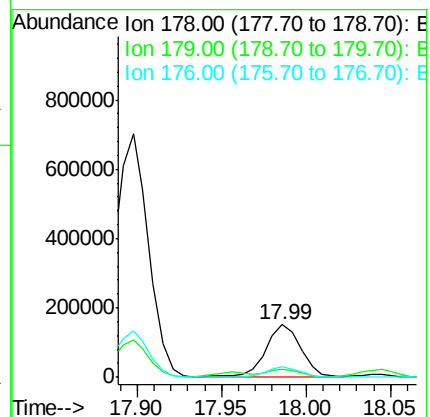
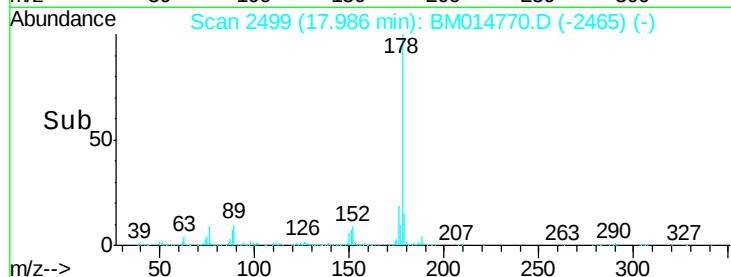
176 19.5 14.6 21.8



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: 2.866 ng/ul

RT: 18.24 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

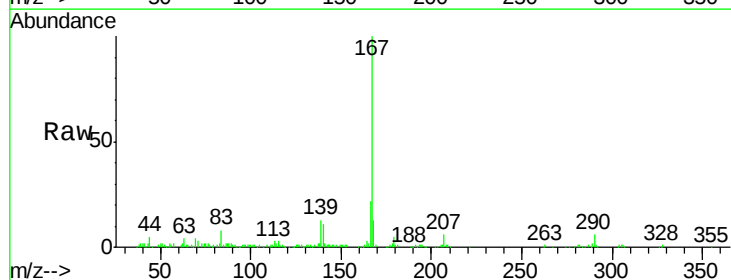
Tgt Ion:167 Resp: 190336

Ion Ratio Lower Upper

167 100

166 21.8 17.1 25.7

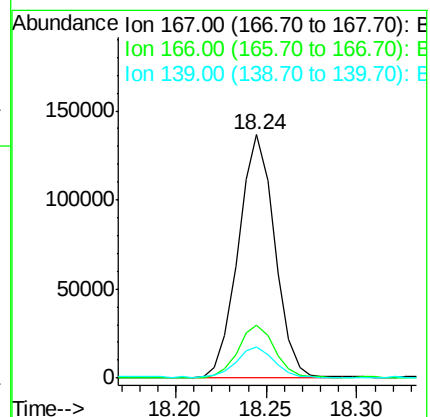
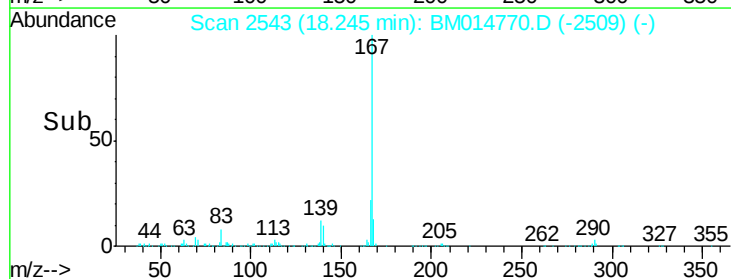
139 12.9 10.0 15.0

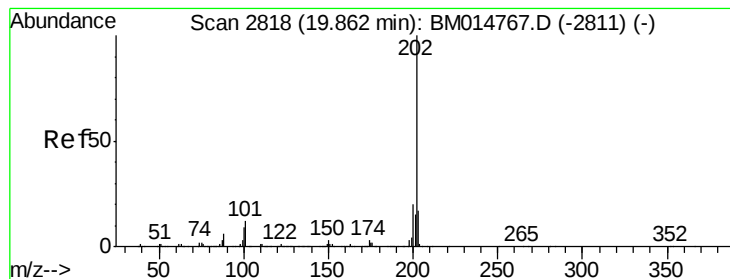


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 48.478 ng/ul

RT: 19.86 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

Instrument :

BNA_M

ClientSampleId :

C0AC6

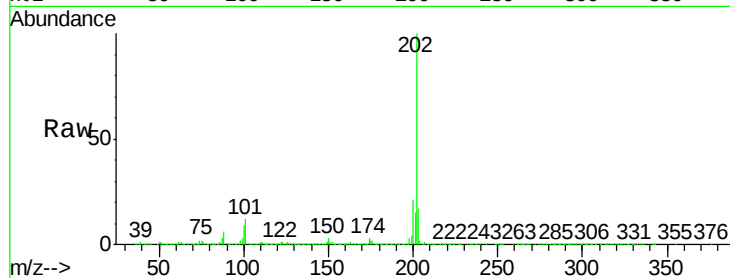
Tot Ion:202 Resp: 4054244

Ion Ratio Lower Upper

202 100

101 12.3 4.6 7.0#

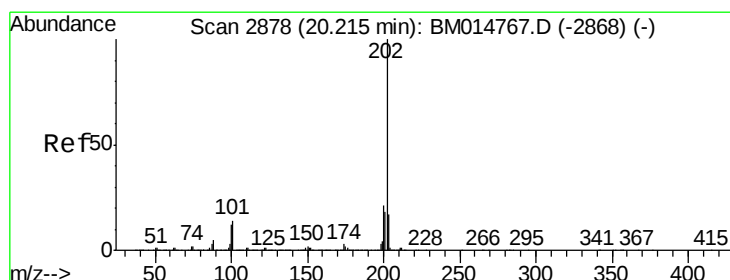
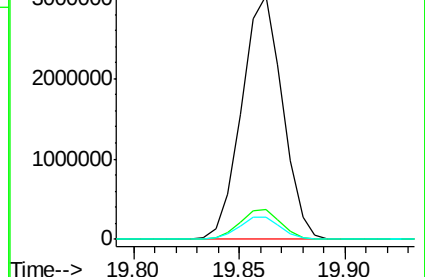
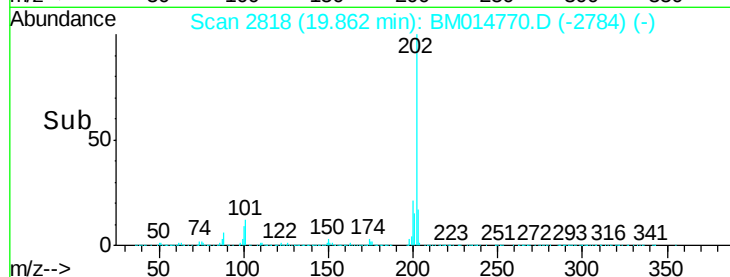
100 9.3 3.4 5.2#



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: 52.525 ng/ul

RT: 20.22 min Scan# 2879

Delta R.T. 0.01 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

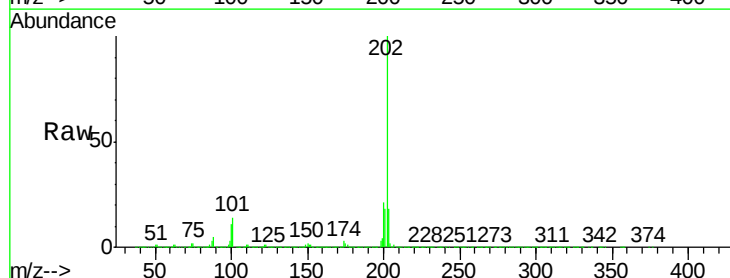
Tgt Ion:202 Resp: 4351423

Ion Ratio Lower Upper

202 100

101 13.6 5.1 7.7#

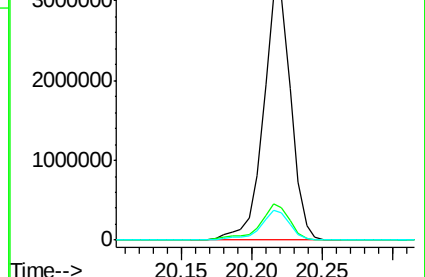
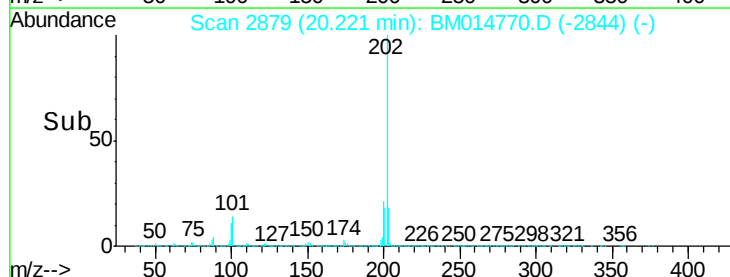
100 11.3 4.9 7.3#

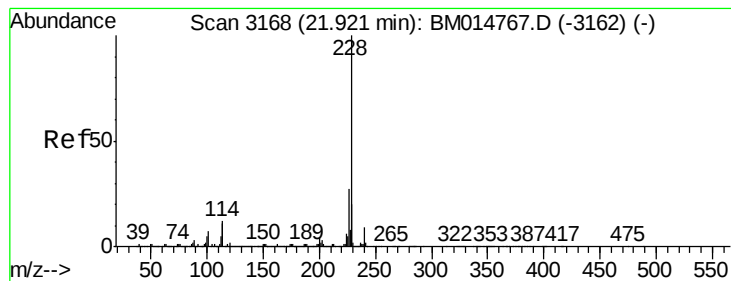


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 43.410 ng/ul

RT: 21.93 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

Instrument :

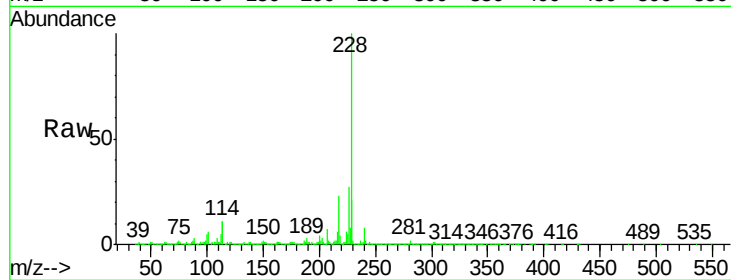
BNA_M

ClientSampleId :

C0AC6

Tot Ion:228 Resp: 3599371

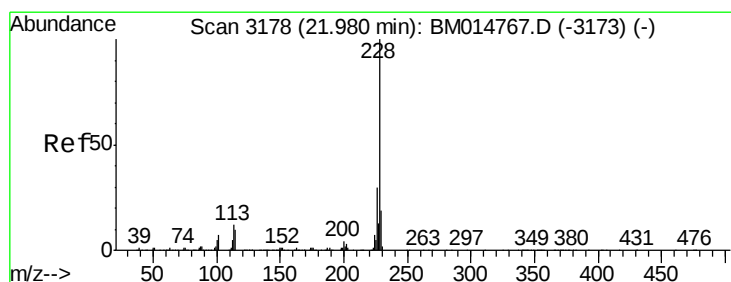
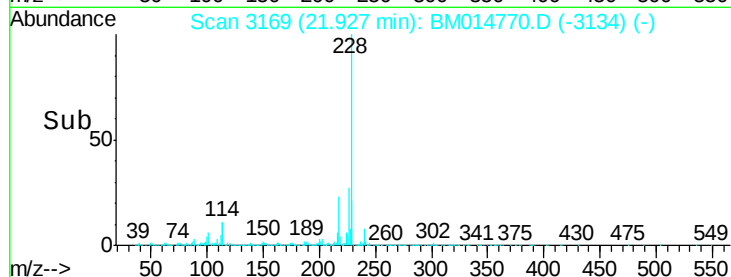
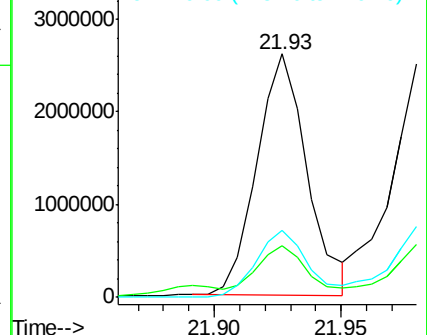
Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	27.4	21.4	32.0



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: 50.800 ng/ul

RT: 21.98 min Scan# 3178

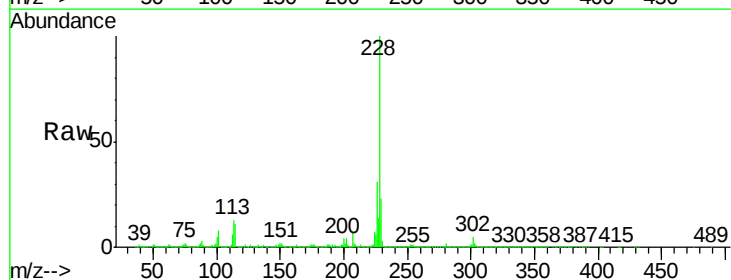
Delta R.T. -0.00 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

Tgt Ion:228 Resp: 3943177

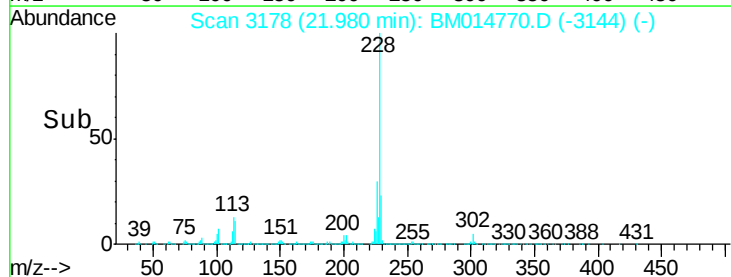
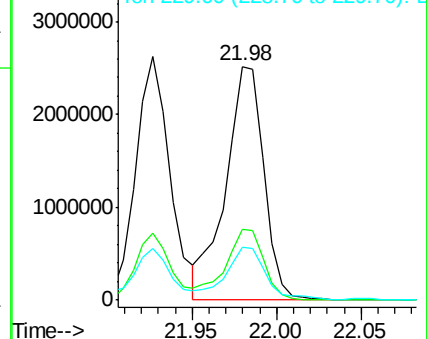
Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	22.8	15.5	23.3

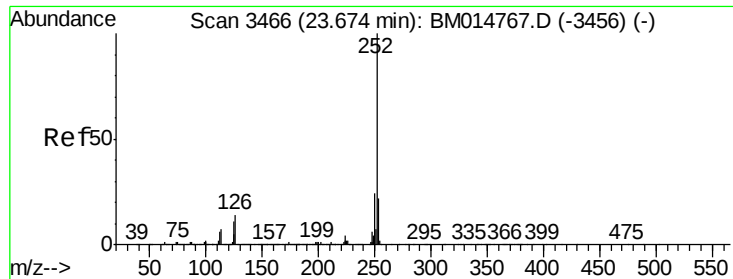


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 84.399 ng/ul

RT: 23.69 min Scan# 3468

Delta R.T. 0.01 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

Instrument :

BNA_M

ClientSampleId :

C0AC6

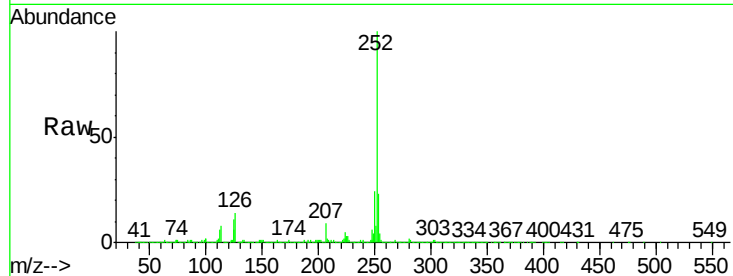
Tot Ion:252 Resp: 7493327

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

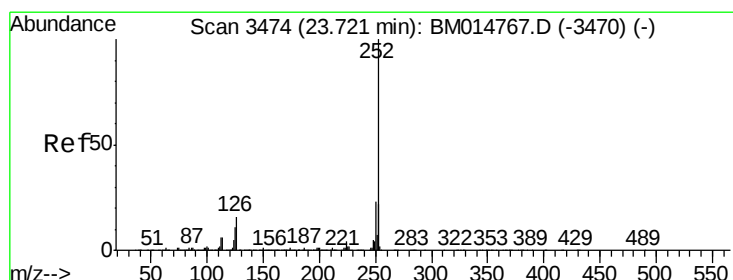
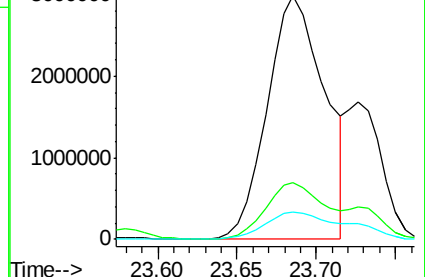
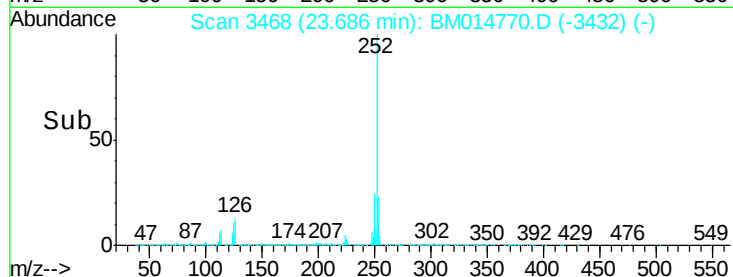
125 11.4 3.6 5.4#



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: 87.769 ng/ul

RT: 23.69 min Scan# 3468

Delta R.T. -0.04 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

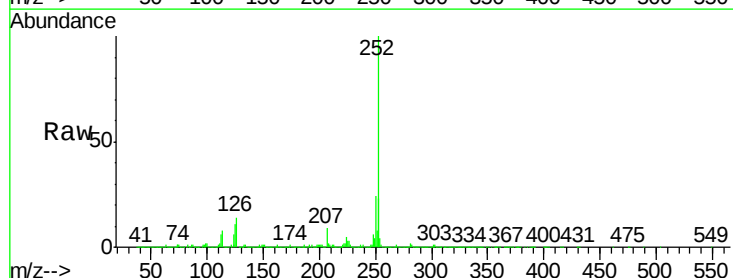
Tgt Ion:252 Resp: 7493327

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

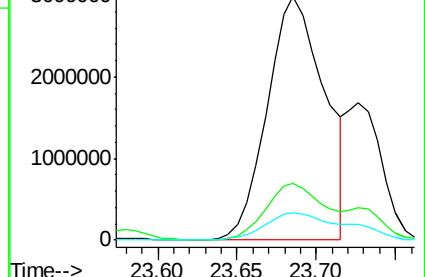
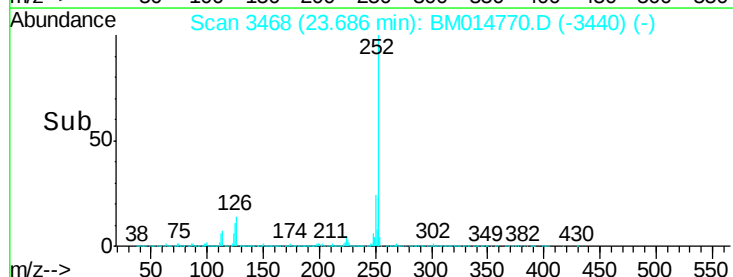
125 11.4 3.4 5.2#

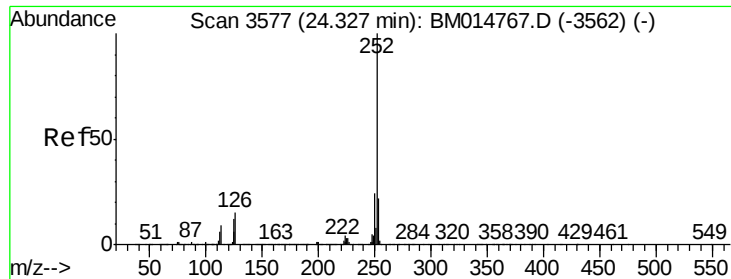


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 69.852 ng/ul

RT: 24.34 min Scan# 3579

Delta R.T. 0.01 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

Instrument :

BNA_M

ClientSampleId :

C0AC6

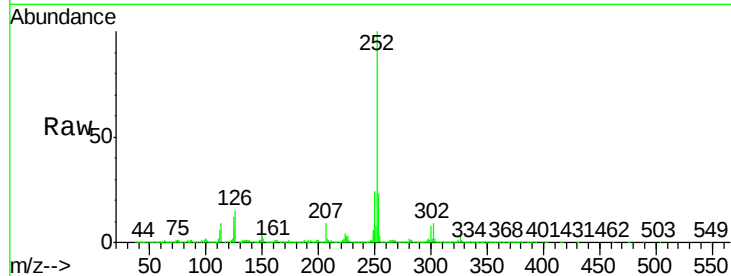
Tot Ion:252 Resp: 5882894

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

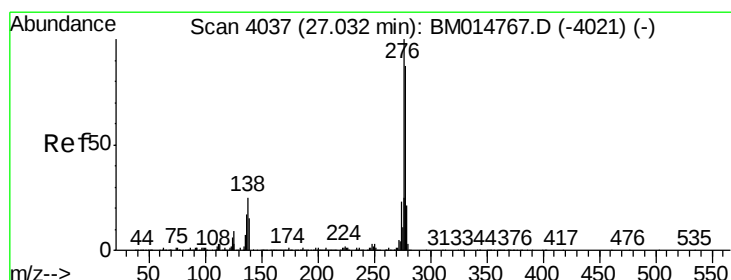
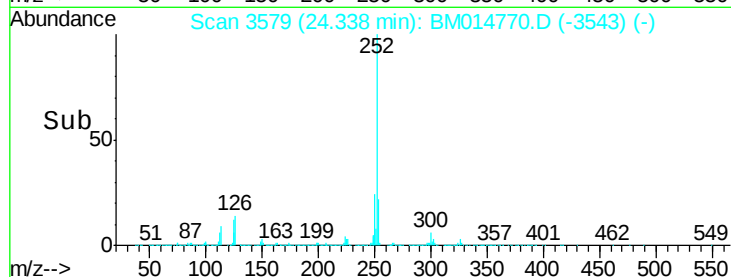
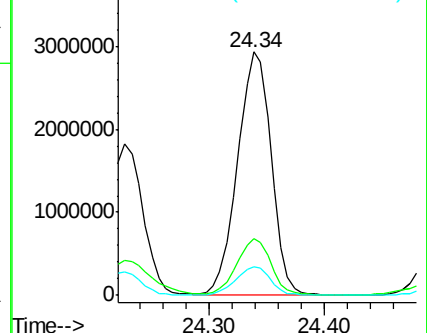
125 12.0 4.0 6.0#



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: 43.195 ng/ul

RT: 27.04 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

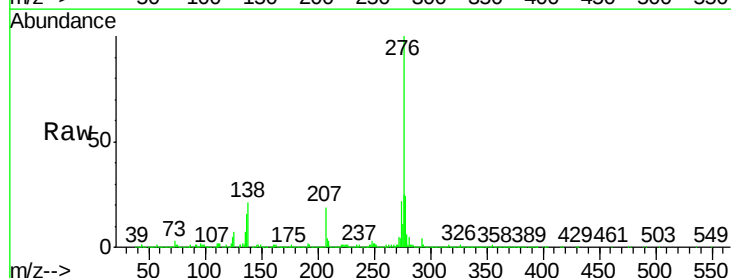
Tgt Ion:276 Resp: 4400940

Ion Ratio Lower Upper

276 100

138 21.3 9.3 13.9#

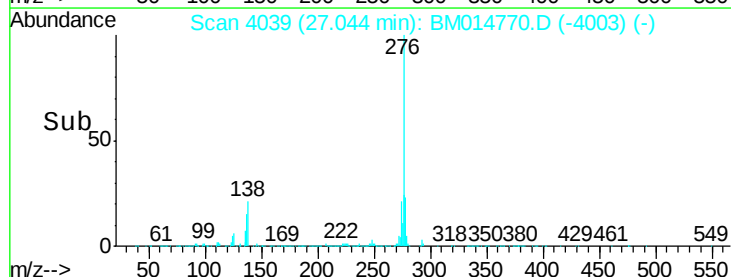
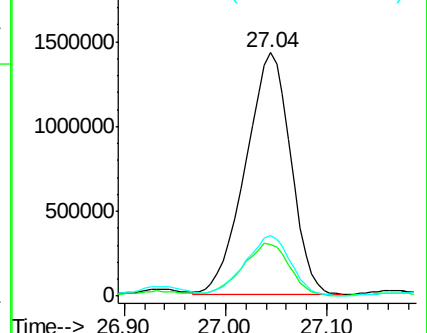
277 24.8 19.9 29.9

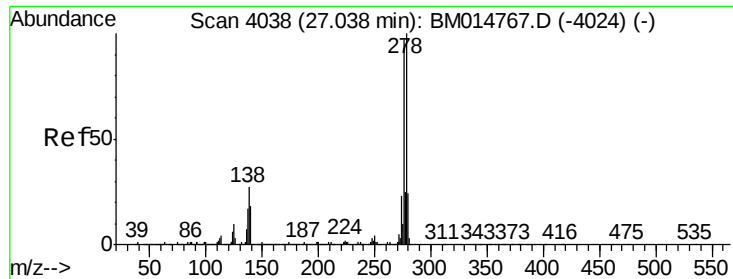


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 13.362 ng/ul

RT: 27.04 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

Instrument :

BNA_M

ClientSampleId :

C0AC6

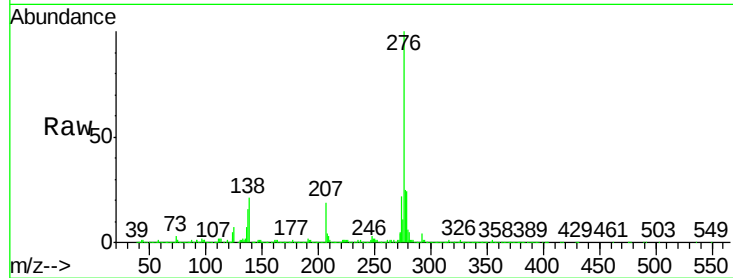
Tot Ion:278 Resp: 1146253

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

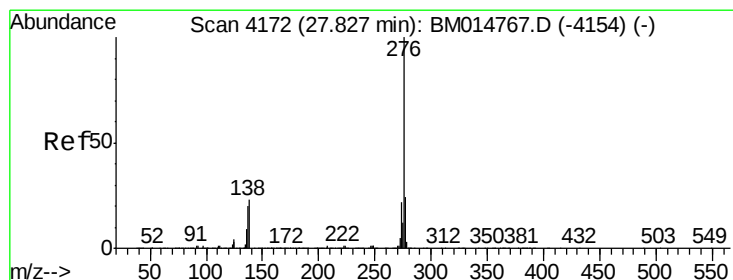
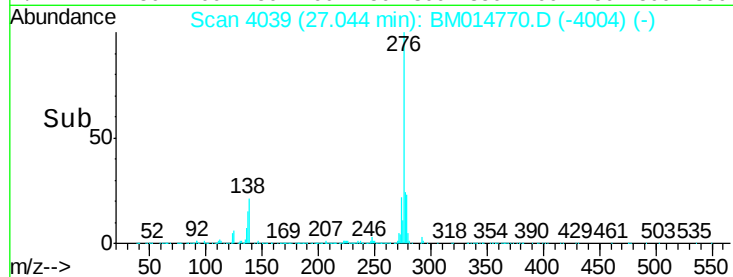
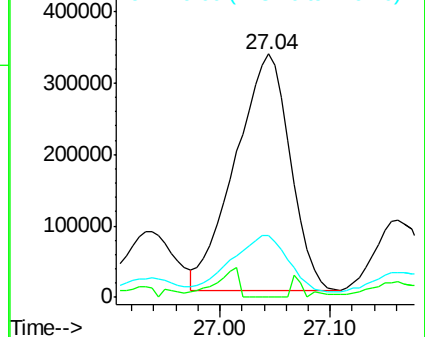
279 25.3 18.6 27.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 53.822 ng/ul

RT: 27.86 min Scan# 4177

Delta R.T. 0.03 min

Lab File: BM014770.D

Acq: 20 Apr 2018 19:18

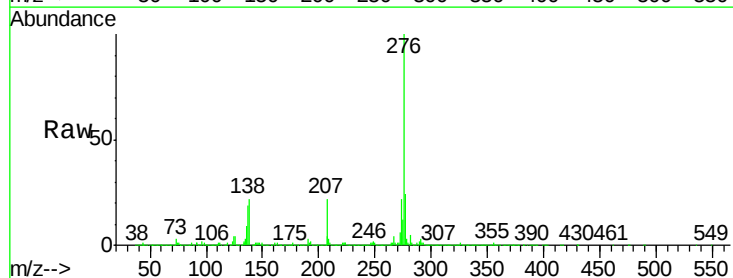
Tgt Ion:276 Resp: 4511281

Ion Ratio Lower Upper

276 100

138 22.0 8.5 12.7#

277 24.4 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

