

Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013773.D
 Acq On : 24 Jan 2018 18:14
 Operator : SJ/JU
 Sample : J1223-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6A99

Quant Time: Jan 25 00:51:43 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 00:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	127624	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	511186	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	309515	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	687067	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	740506	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	770445	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	8844	2.74	ng/uL	0.00
5) Phenol-d5	6.78	99	206370	21.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	131316	22.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	182663	22.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	145510	19.32	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	93518	23.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	102575	24.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	181074	22.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	208274	29.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	584342	22.91	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	749054	23.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	76578	18.47	ng/ul	0.00
57) Fluorene-d10	15.25	176	539470	24.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	74062	17.91	ng/ul	0.00
70) Anthracene-d10	17.10	188	841533	25.15	ng/ul	0.00
76) Pyrene-d10	19.40	212	957968	27.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	925422	26.13	ng/ul	0.00

Target Compounds

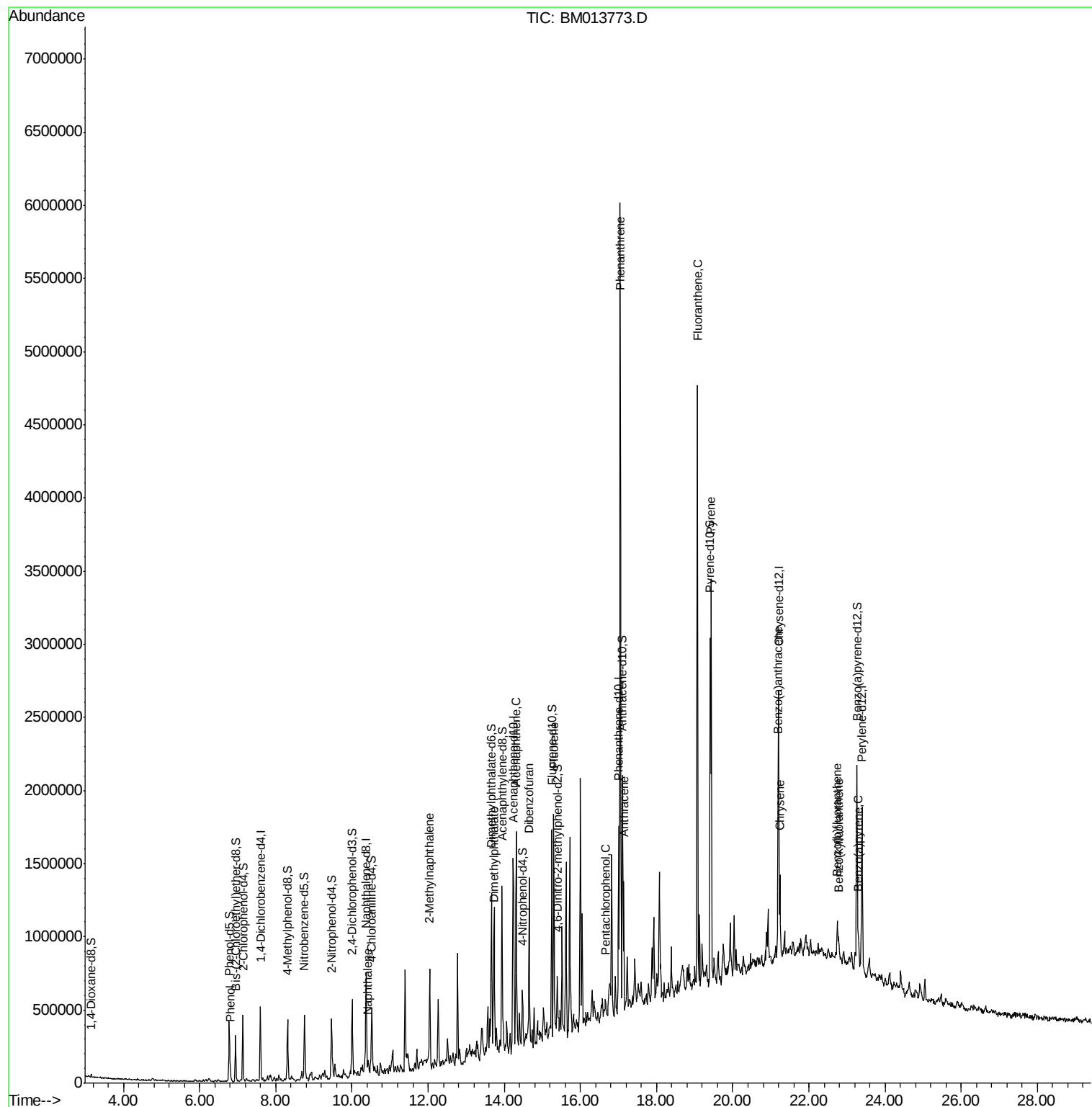
					Ovalue	
6) Phenol	6.81	94	29542	3.006	ng/ul#	87
28) Naphthalene	10.42	128	57312	2.254	ng/ul#	94
34) 2-Methylnaphthalene	12.04	142	305528	16.114	ng/ul	90
44) Dimethylphthalate	13.72	163	217561	8.674	ng/ul	98
49) Acenaphthene	14.32	153	562516	27.289	ng/ul	98
53) Dibenzofuran	14.65	168	595267	19.196	ng/ul	99
58) Fluorene	15.30	166	628372	24.737	ng/ul	98
68) Pentachlorophenol	16.66	266	8934	1.925	ng/ul	91
69) Phenanthrene	17.04	178	3281756	85.930	ng/ul	99
71) Anthracene	17.14	178	518004	13.150	ng/ul	98
74) Fluoranthene	19.07	202	2451230	53.769	ng/ul#	95
77) Pyrene	19.43	202	1663285	36.947	ng/ul#	93
80) Benzo(a)anthracene	21.19	228	346397	7.742	ng/ul	97
82) Chrysene	21.24	228	304102	7.408	ng/ul	99
85) Benzo(b)fluoranthene	22.74	252	195917	4.141	ng/ul#	93
86) Benzo(k)fluoranthene	22.78	252	64555	1.412	ng/ul#	87
88) Benzo(a)pyrene	23.30	252	91983	2.058	ng/ul#	93

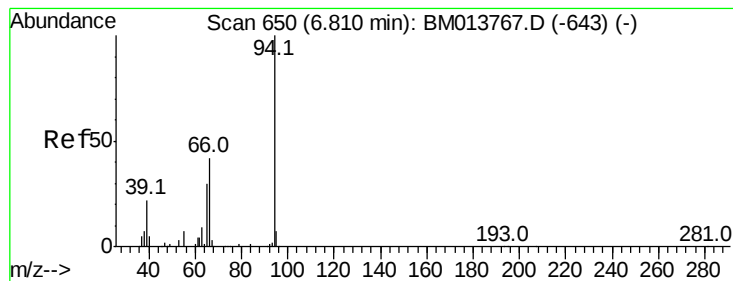
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.006 ng/ul

RT: 6.81 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

Instrument :

BNA_M

ClientSampleId :

F6A99

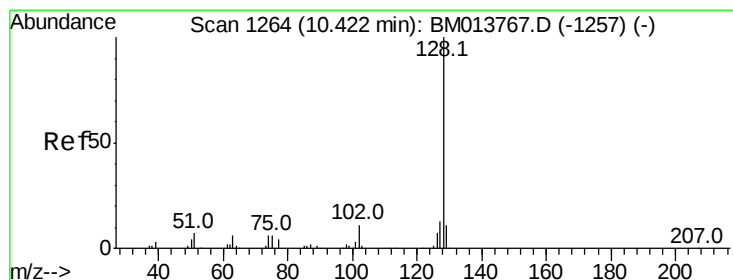
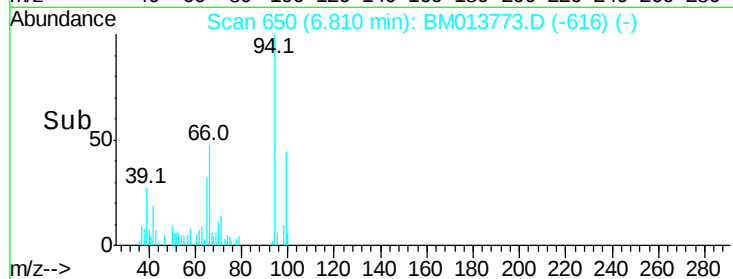
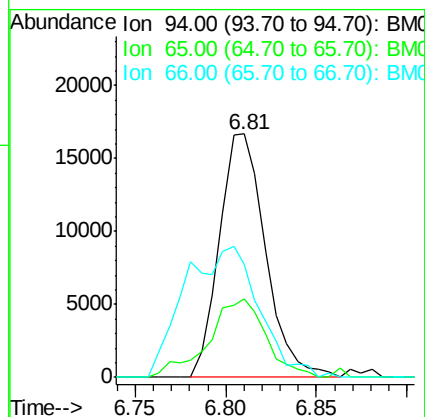
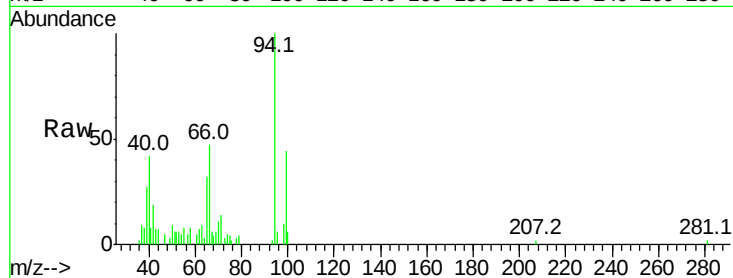
Tot Ion: 94 Resp: 29542

Ion Ratio Lower Upper

94 100

65 32.0 28.2 42.4

66 46.5 47.2 70.8#



#28

Naphthalene

Concen: 2.254 ng/ul

RT: 10.42 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

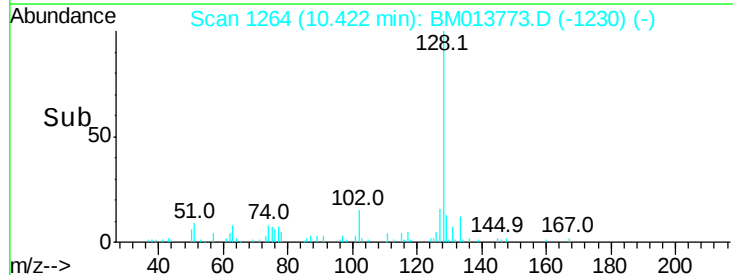
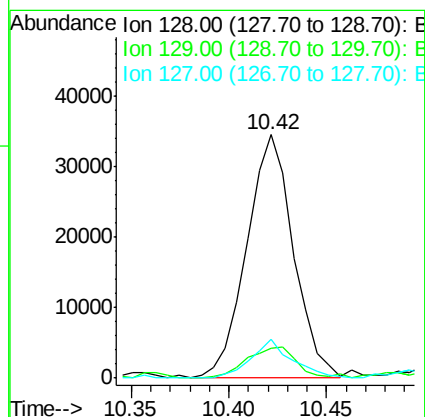
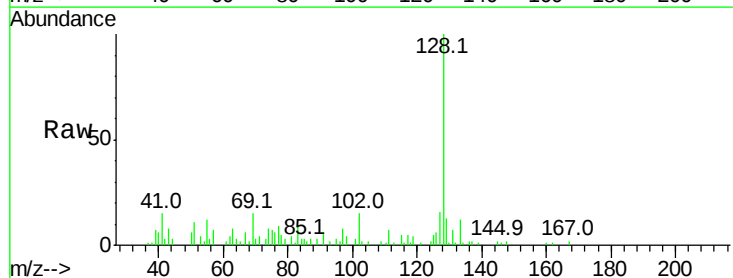
Tgt Ion: 128 Resp: 57312

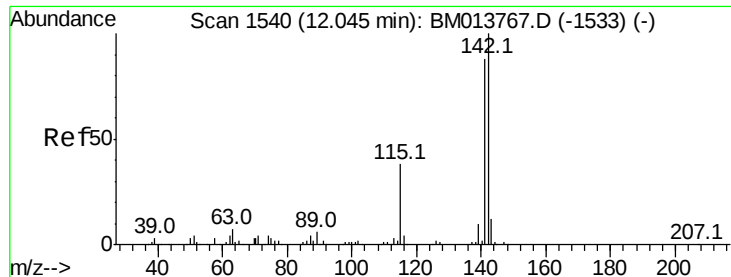
Ion Ratio Lower Upper

128 100

129 12.5 8.8 13.2

127 16.1 10.6 16.0#

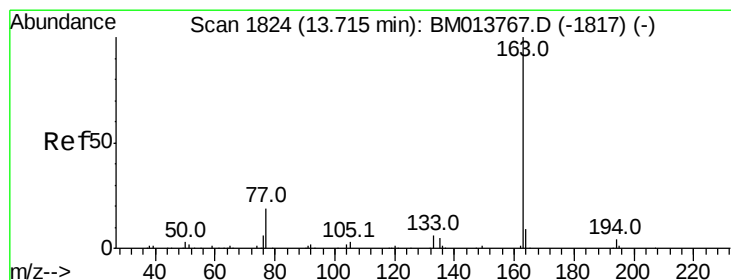
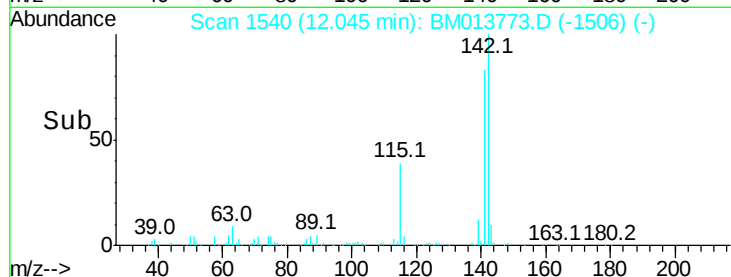
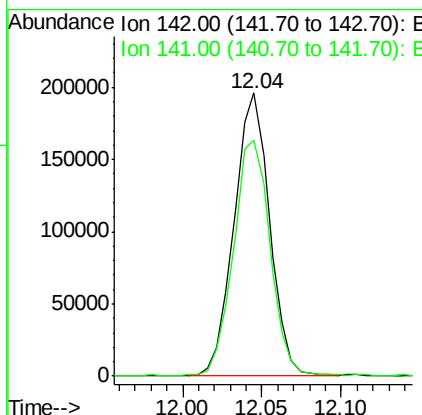
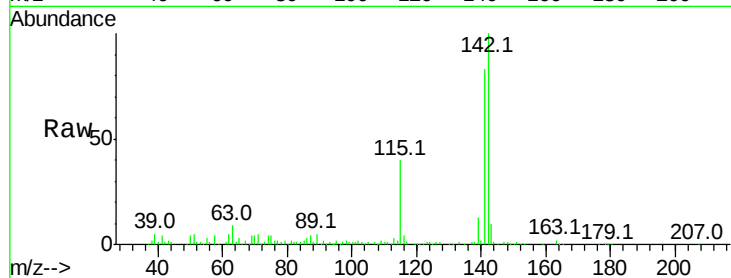




#34
2-Methylnaphthalene
Concen: 16.114 ng/ul
RT: 12.04 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BM013773.D
Acq: 24 Jan 2018 18:14

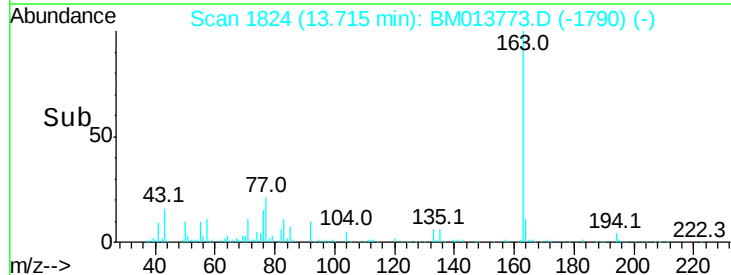
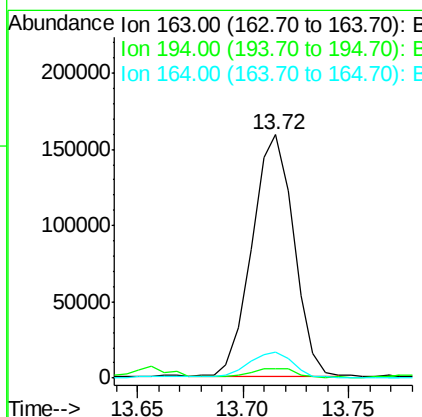
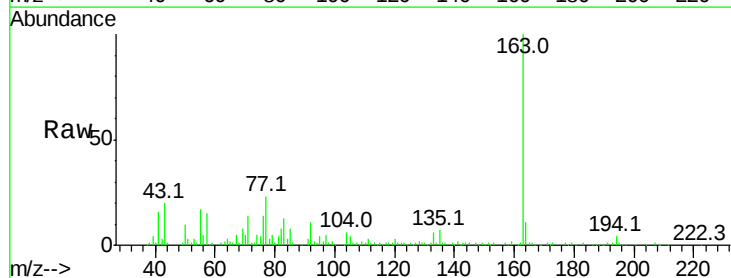
Instrument :
BNA_M
ClientSampleId :
F6A99

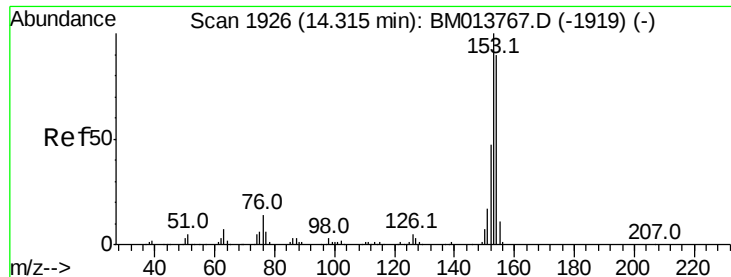
Tot Ion:142 Resp: 305528
Ion Ratio Lower Upper
142 100
141 83.2 74.1 111.1



#44
Dimethylphthalate
Concen: 8.674 ng/ul
RT: 13.72 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BM013773.D
Acq: 24 Jan 2018 18:14

Tgt Ion:163 Resp: 217561
Ion Ratio Lower Upper
163 100
194 3.9 3.5 5.3
164 10.9 8.2 12.4





#49

Acenaphthene

Concen: 27.289 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

Instrument :

BNA_M

ClientSampleId :

F6A99

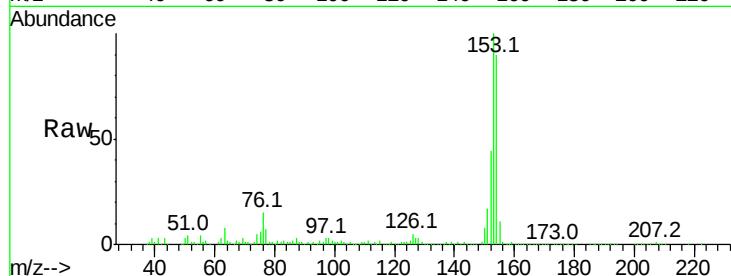
Tot Ion:153 Resp: 562516

Ion Ratio Lower Upper

153 100

152 44.5 37.6 56.4

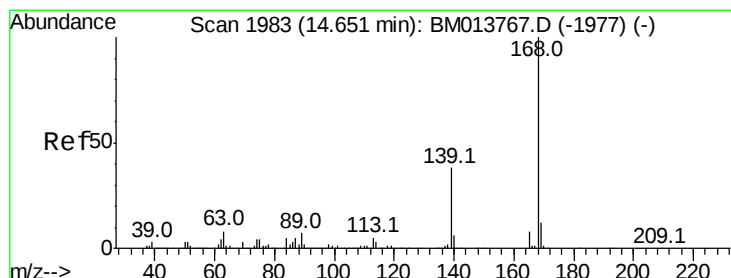
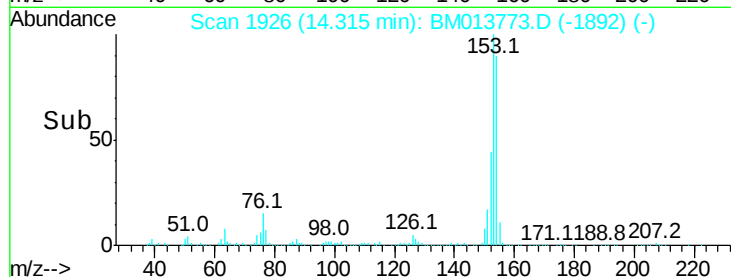
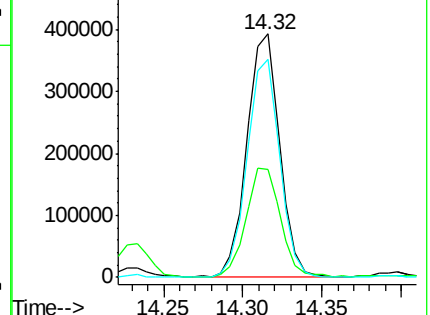
154 89.6 70.4 105.6



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: 19.196 ng/ul

RT: 14.65 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BM013773.D

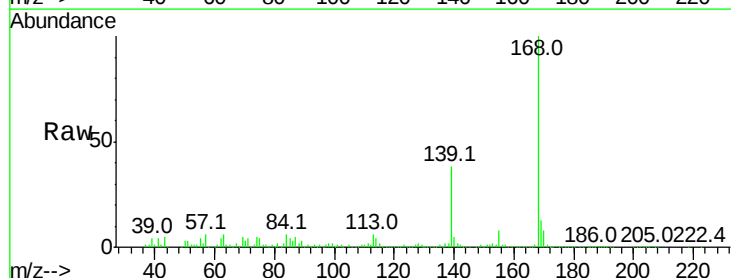
Acq: 24 Jan 2018 18:14

Tgt Ion:168 Resp: 595267

Ion Ratio Lower Upper

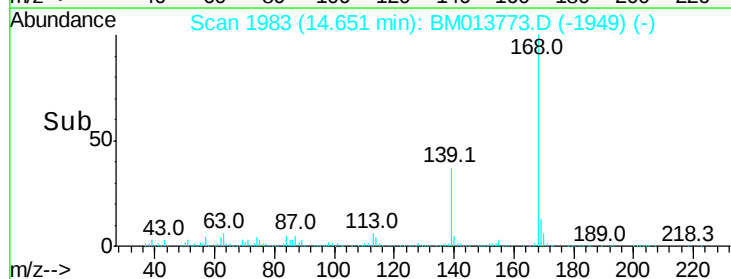
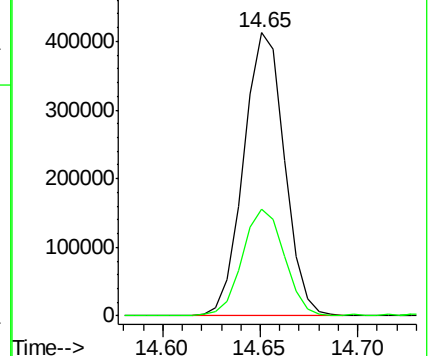
168 100

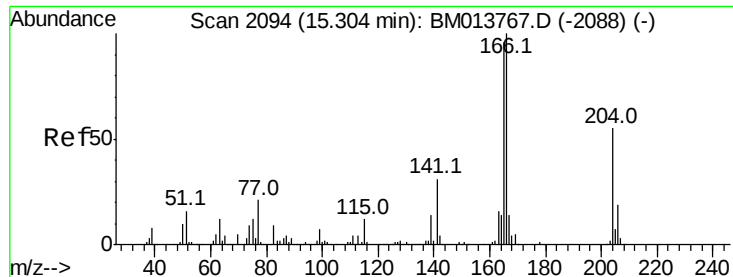
139 37.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 24.737 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

Instrument :

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ClientSampleId :

F6A99

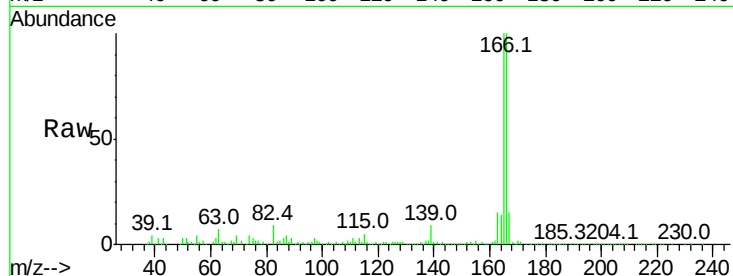
Tot Ion:166 Resp: 628372

Ion Ratio Lower Upper

166 100

165 99.6 77.9 116.9

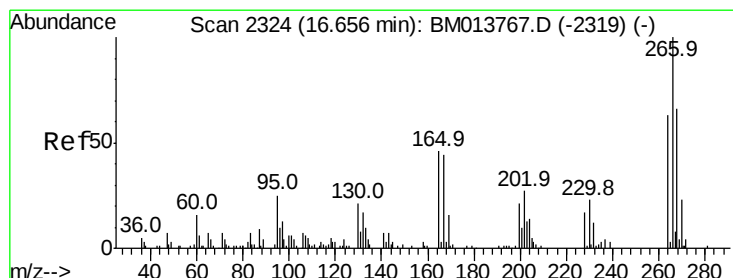
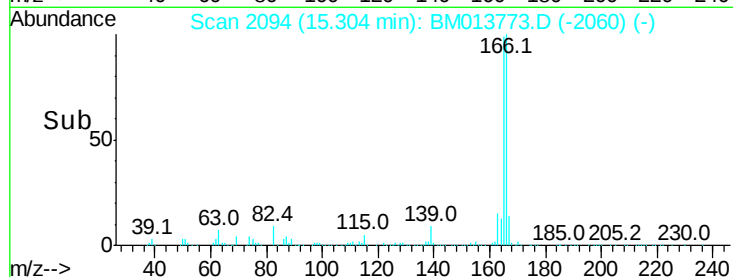
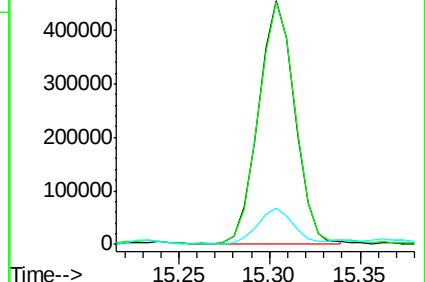
167 15.0 10.6 16.0



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: 1.925 ng/ul

RT: 16.66 min Scan# 2325

Delta R.T. 0.01 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

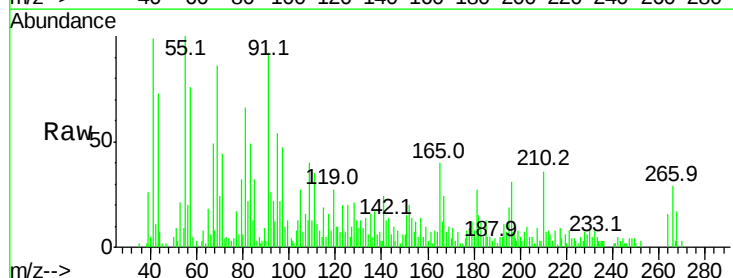
Tgt Ion:266 Resp: 8934

Ion Ratio Lower Upper

266 100

264 53.6 49.3 73.9

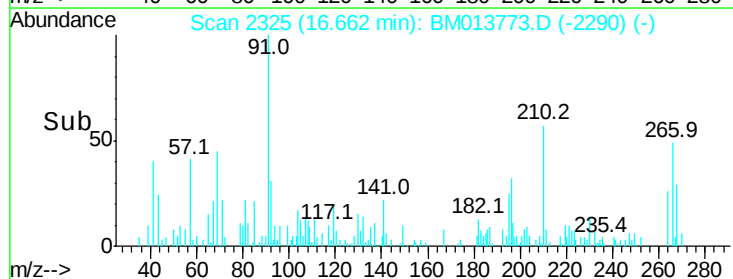
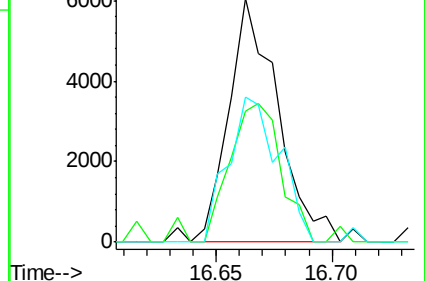
268 59.8 52.6 78.8

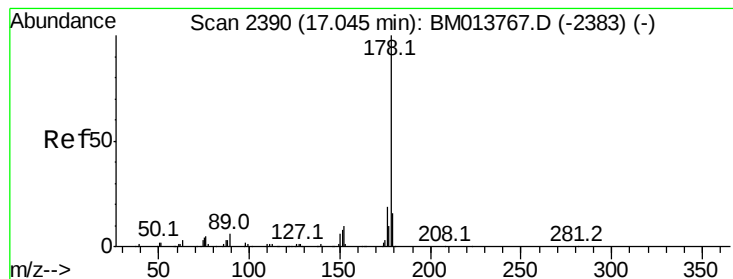


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 85.930 ng/ul

RT: 17.04 min Scan# 2390

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

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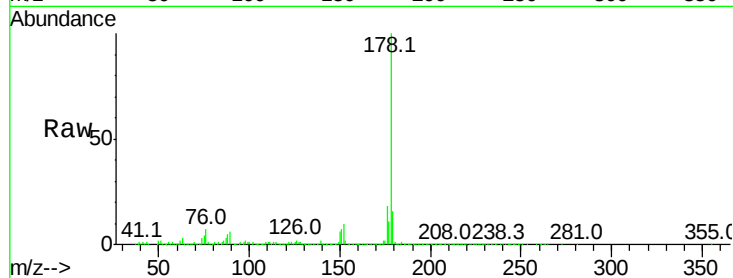
Tot Ion:178 Resp: 3281756

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

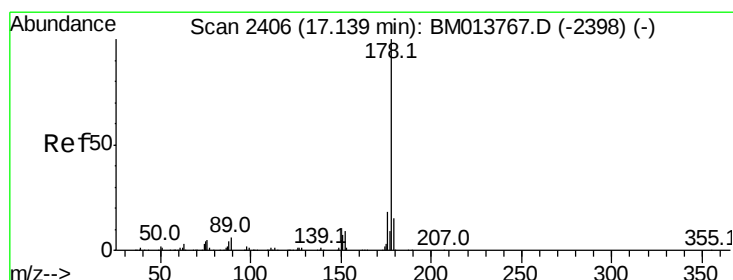
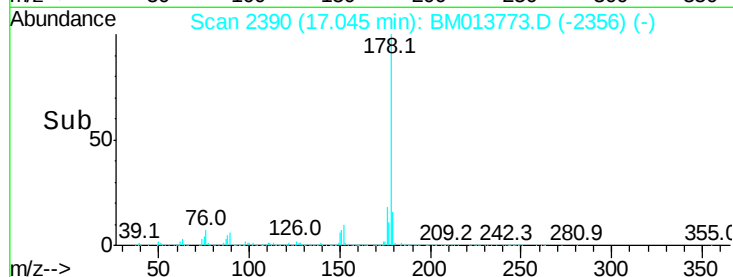
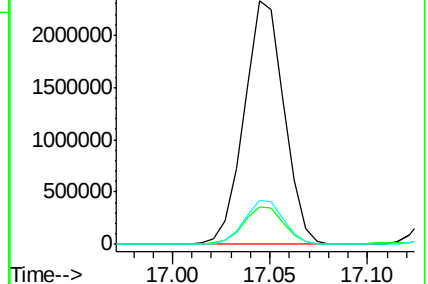
176 17.9 14.9 22.3



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: 13.150 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

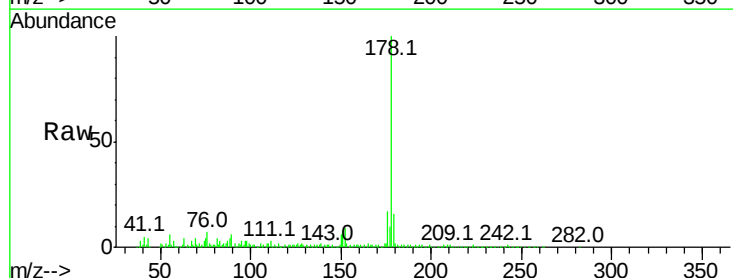
Tgt Ion:178 Resp: 518004

Ion Ratio Lower Upper

178 100

179 16.0 11.7 17.5

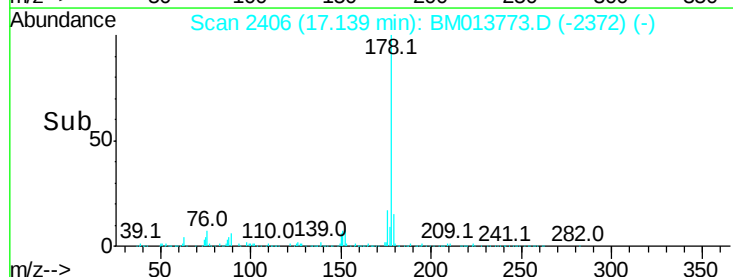
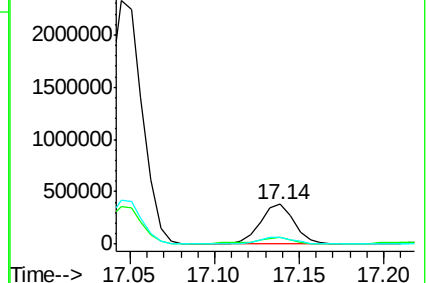
176 17.5 14.6 21.8

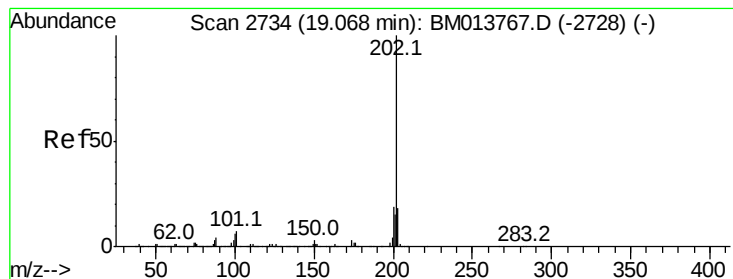


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 53.769 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. 0.01 min

Lab File: BM013773.D

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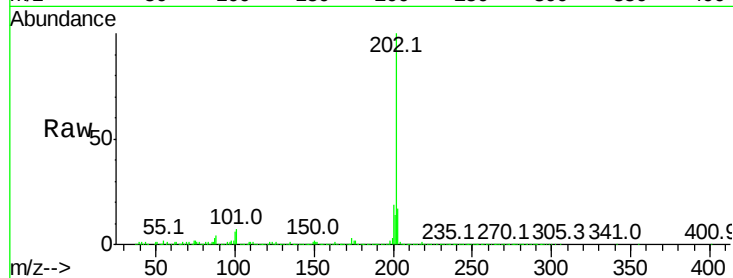
Tot Ion:202 Resp: 2451230

Ion Ratio Lower Upper

202 100

101 7.3 4.6 7.0#

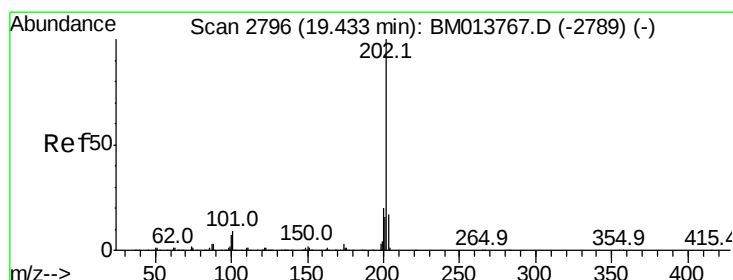
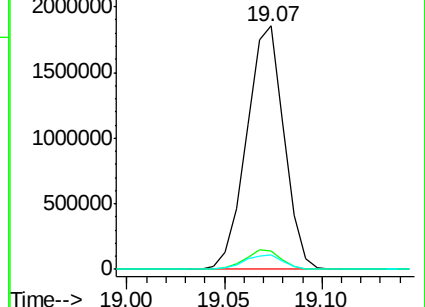
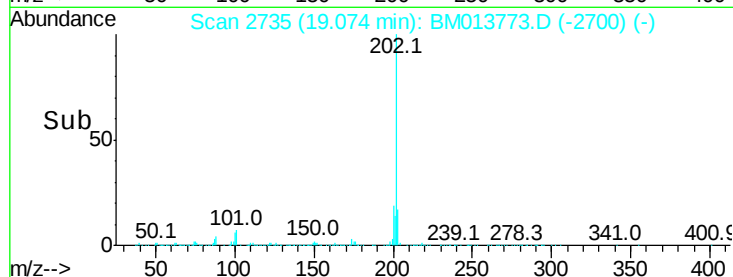
100 5.8 3.4 5.2#



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: 36.947 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

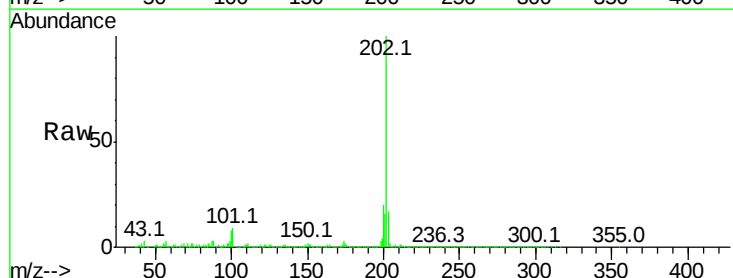
Tgt Ion:202 Resp: 1663285

Ion Ratio Lower Upper

202 100

101 9.4 5.1 7.7#

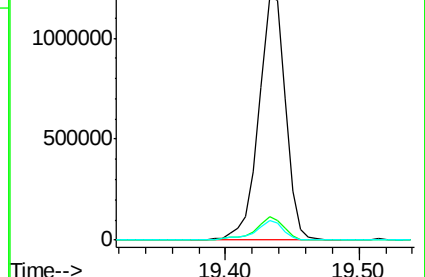
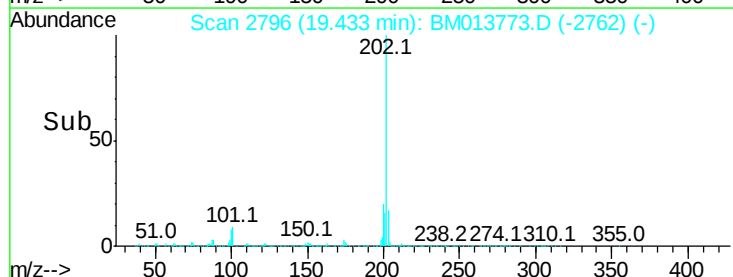
100 8.0 4.9 7.3#

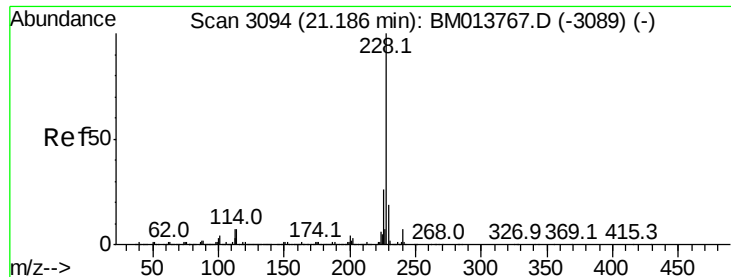


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 7.742 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

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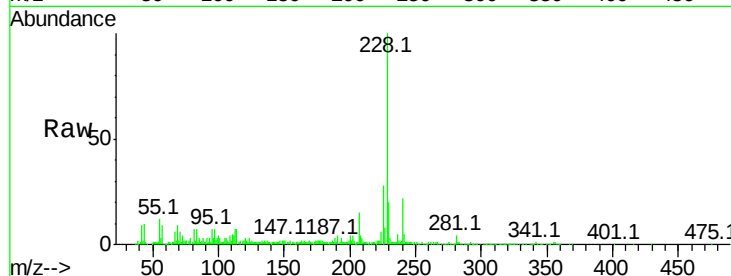
Tot Ion:228 Resp: 346397

Ion Ratio Lower Upper

228 100

229 20.0 15.4 23.0

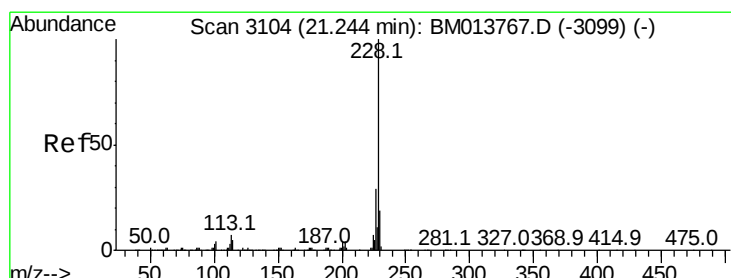
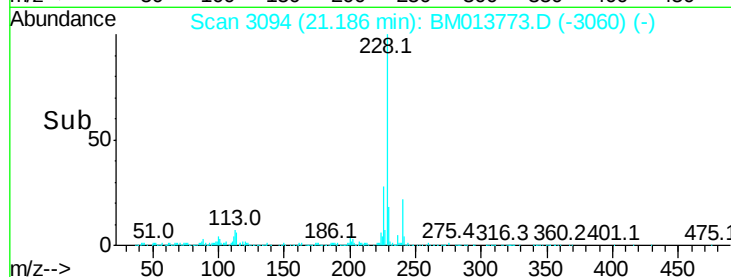
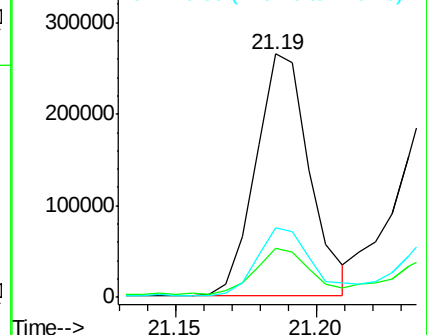
226 28.4 21.4 32.0



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: 7.408 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

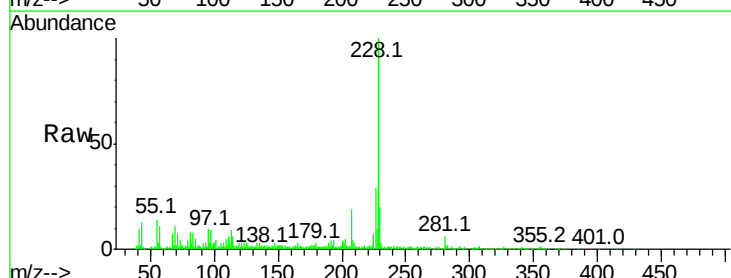
Tgt Ion:228 Resp: 304102

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

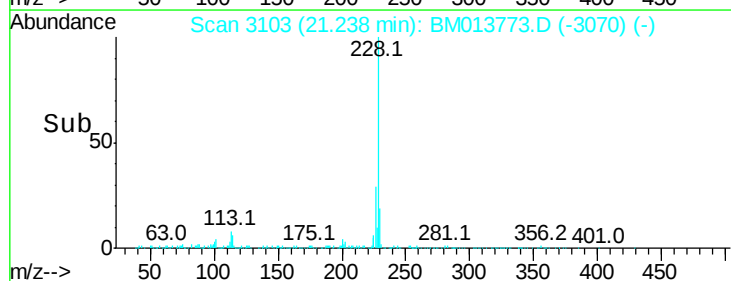
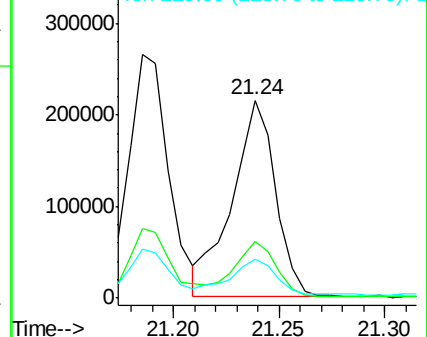
229 19.9 15.5 23.3

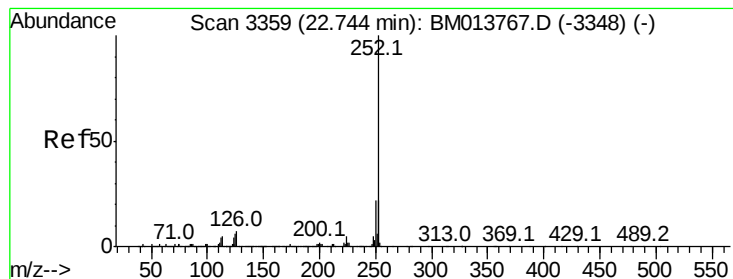


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 4.141 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

Instrument :

BNA_M

ClientSampleId :

F6A99

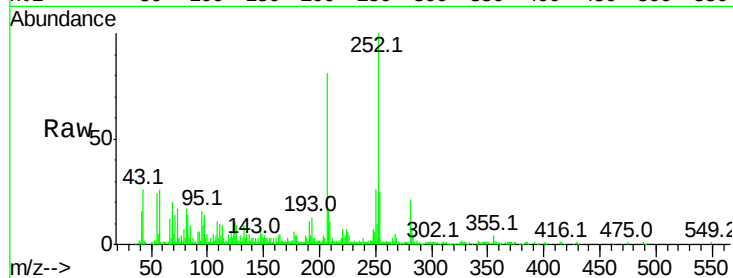
Tot Ion:252 Resp: 195917

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

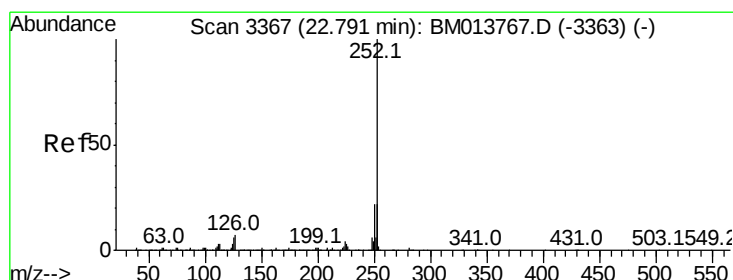
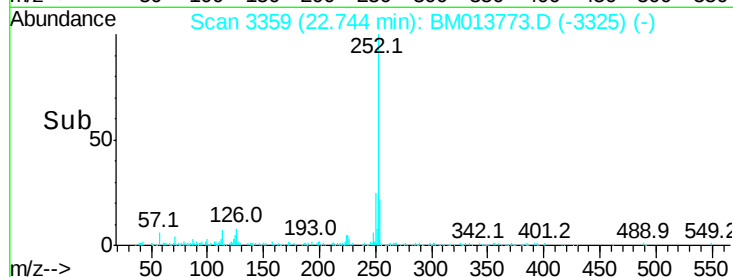
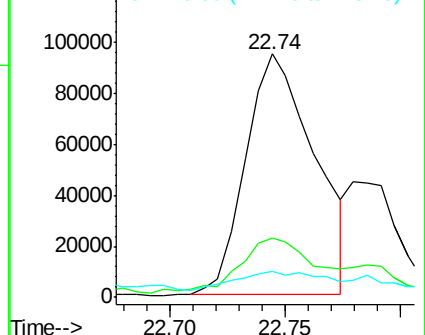
125 10.5 3.6 5.4#



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: 1.412 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

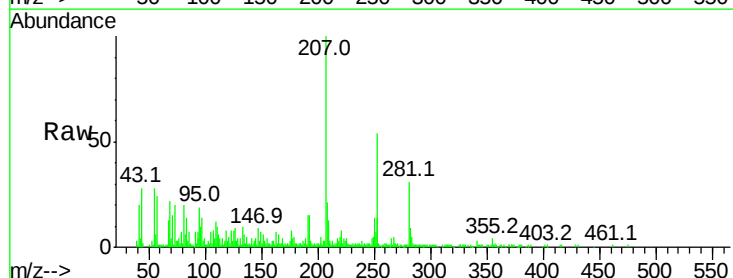
Tgt Ion:252 Resp: 64555

Ion Ratio Lower Upper

252 100

253 26.0 17.1 25.7#

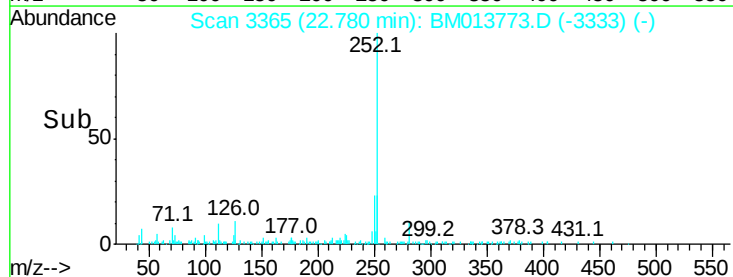
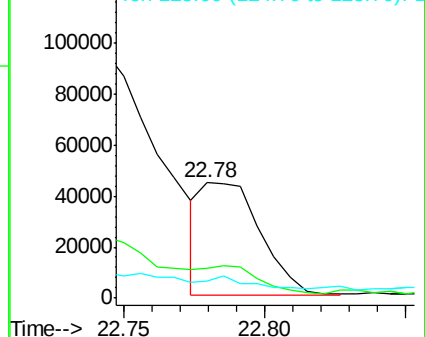
125 14.5 3.4 5.2#

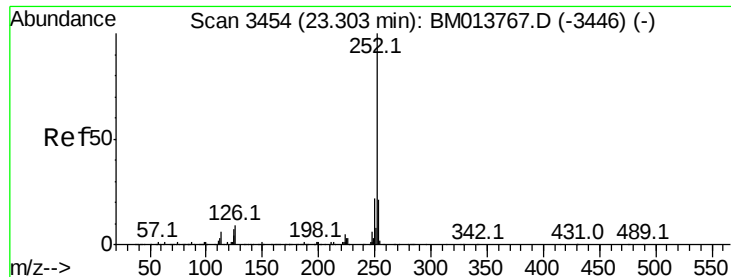


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.058 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. -0.00 min

Lab File: BM013773.D

Acq: 24 Jan 2018 18:14

Instrument :

BNA_M

ClientSampleId :

F6A99

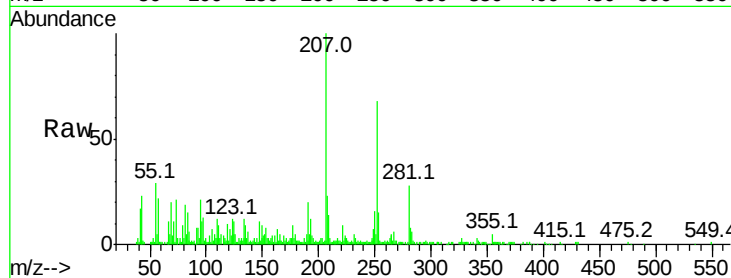
Tot Ion:252 Resp: 91983

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 15.7 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

