

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013780.D
 Acq On : 24 Jan 2018 22:25
 Operator : SJ/JU
 Sample : J1223-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 25 00:34:33 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	7.60	152	134496	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	522556	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	298829	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	703450	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	791476	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	802477	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	8641	2.54	ng/uL	0.00
5) Phenol-d5	6.78	99	196289	19.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	120973	19.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	175608	20.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	148305	18.68	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	84233	20.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	93746	21.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	170070	20.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	207678	28.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	567646	23.05	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	700010	22.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	78714	19.67	ng/ul	0.00
57) Fluorene-d10	15.24	176	508288	23.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	82770	19.55	ng/ul	0.00
70) Anthracene-d10	17.10	188	835928	24.40	ng/ul	0.00
76) Pyrene-d10	19.40	212	1019548	27.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	1009970	27.38	ng/ul	0.00

Target Compounds

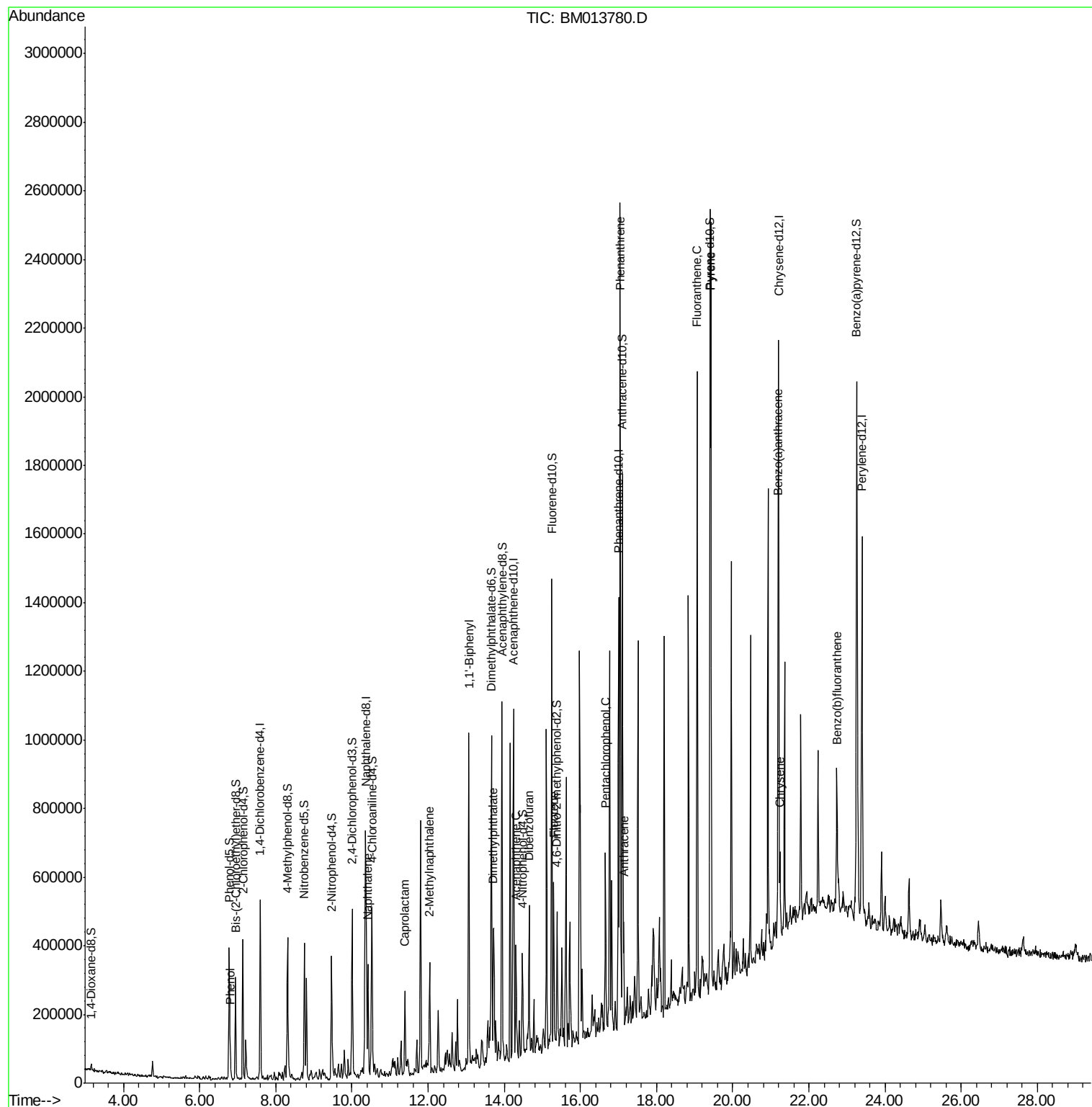
				Ovalue	
6) Phenol	6.81	94	25902	2.501	ng/ul# 88
28) Naphthalene	10.42	128	236440	9.095	ng/ul 99
32) Caprolactam	11.39	113	8598	3.875	ng/ul 91
34) 2-Methylnaphthalene	12.05	142	143935	7.426	ng/ul 97
40) 1,1'-Biphenyl	13.07	154	50778	2.041	ng/ul 98
44) Dimethylphthalate	13.71	163	177757	7.341	ng/ul 98
49) Acenaphthene	14.31	153	122338	6.147	ng/ul 96
53) Dibenzofuran	14.65	168	220311	7.358	ng/ul 94
58) Fluorene	15.30	166	199515	8.135	ng/ul 97
68) Pentachlorophenol	16.66	266	79906	16.814	ng/ul 99
69) Phenanthrene	17.04	178	1367112	34.963	ng/ul 99
71) Anthracene	17.13	178	155701	3.861	ng/ul 97
74) Fluoranthene	19.07	202	1025059	21.962	ng/ul# 94
77) Pyrene	19.43	202	670536	13.936	ng/ul# 94
80) Benzo(a)anthracene	21.19	228	149974	3.136	ng/ul 96
82) Chrysene	21.24	228	125726	2.866	ng/ul 95
85) Benzo(b)fluoranthene	22.74	252	85429	1.733	ng/ul# 92

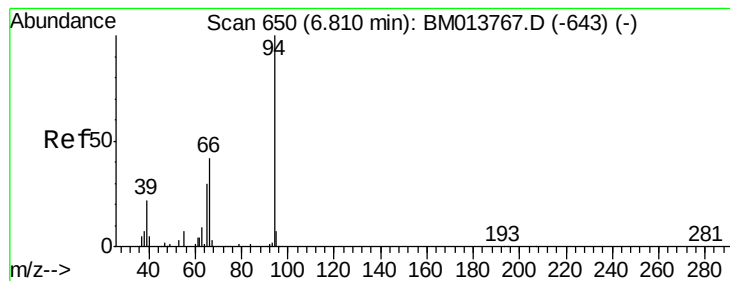
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.501 ng/ul

RT: 6.81 min Scan# 650

Delta R.T. 0.00 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

Instrument :

BNA_M

ClientSampleId :

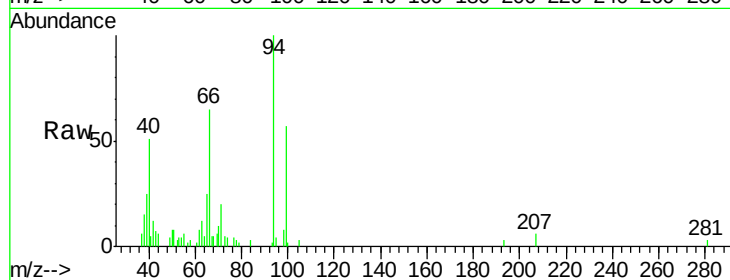
Tot Ion: 94 Resp: 25902

Ion Ratio Lower Upper

94 100

65 25.2 28.2 42.4#

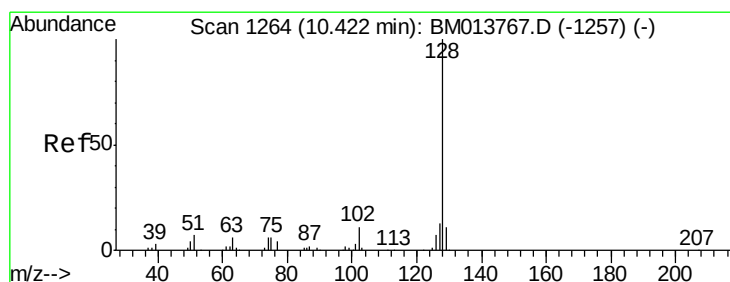
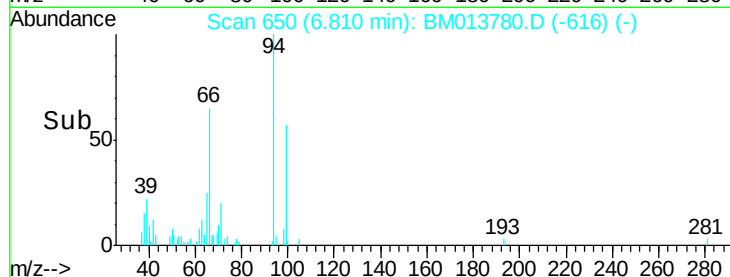
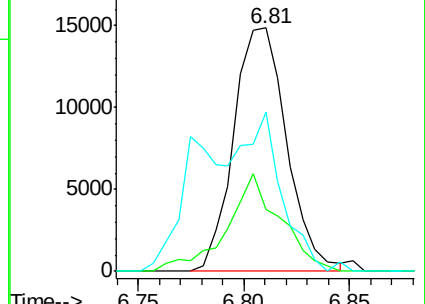
66 65.2 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013767.D (-643) (-)

Ion 65.00 (64.70 to 65.70): BM013767.D (-643) (-)

Ion 66.00 (65.70 to 66.70): BM013767.D (-643) (-)



#28

Naphthalene

Concen: 9.095 ng/ul

RT: 10.42 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

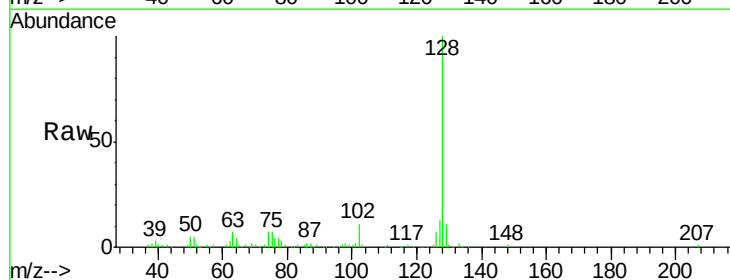
Tgt Ion:128 Resp: 236440

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

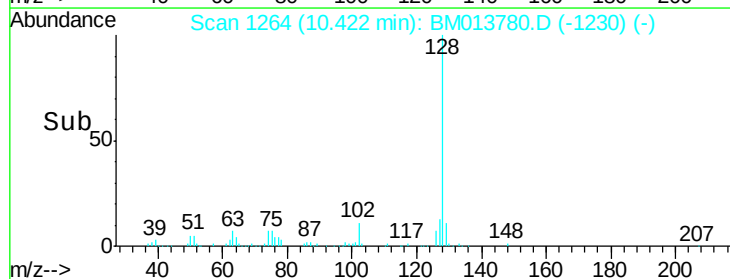
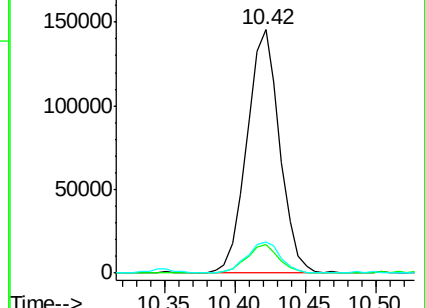
127 12.6 10.6 16.0

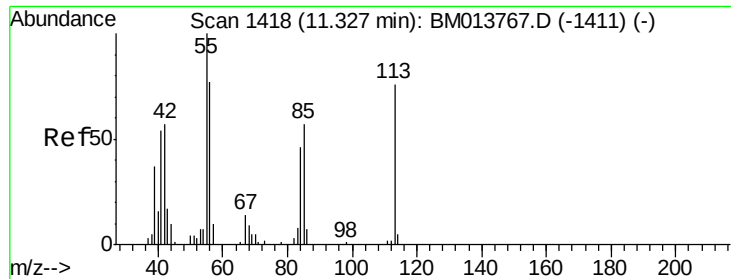


Abundance Ion 128.00 (127.70 to 128.70): BM013767.D (-1257) (-)

Ion 129.00 (128.70 to 129.70): BM013767.D (-1257) (-)

Ion 127.00 (126.70 to 127.70): BM013767.D (-1257) (-)

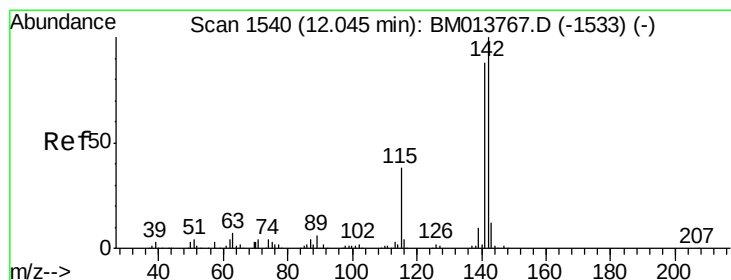
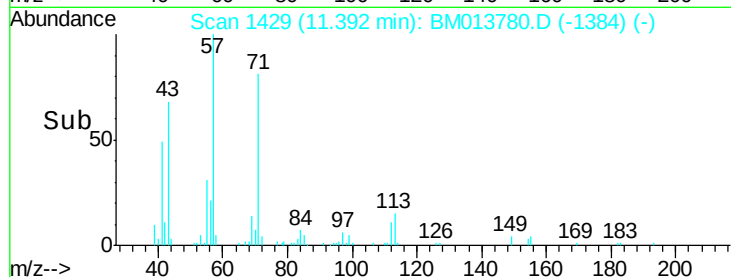
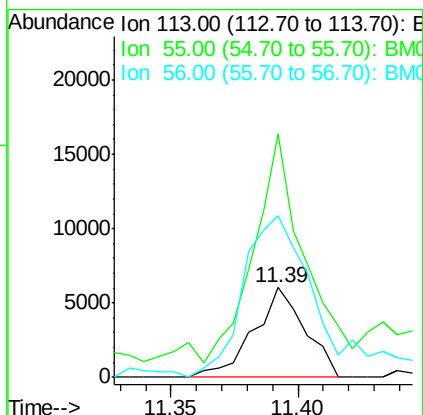
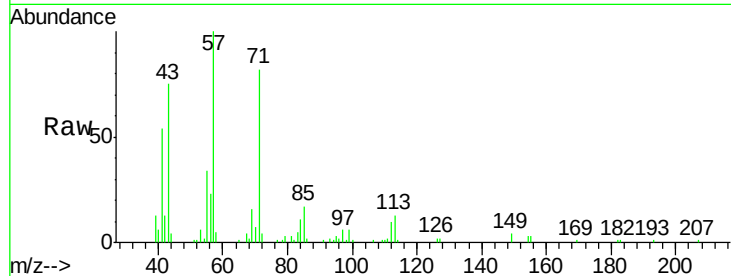




#32
Caprolactam
Concen: 3.875 ng/ul
RT: 11.39 min Scan# 1429
Delta R.T. 0.06 min
Lab File: BM013780.D
Acq: 24 Jan 2018 22:25

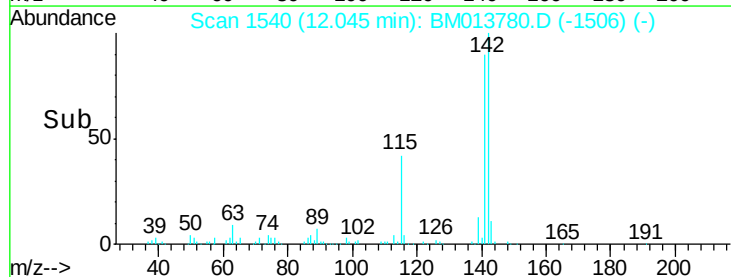
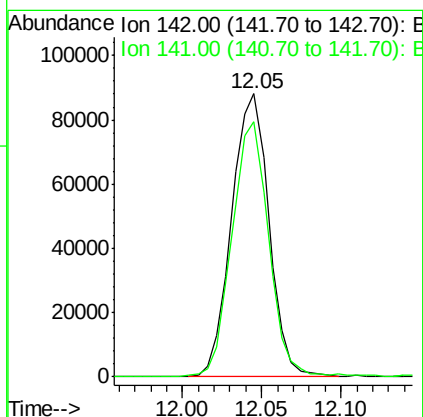
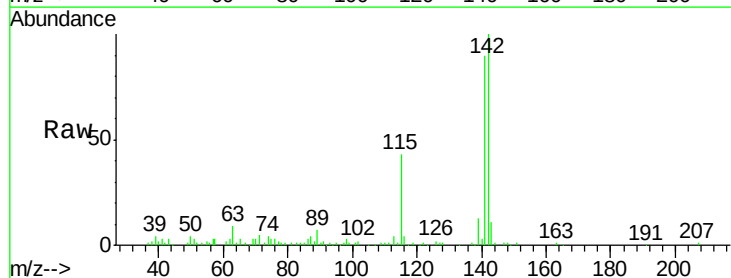
Instrument :
BNA_M
ClientSampleId :

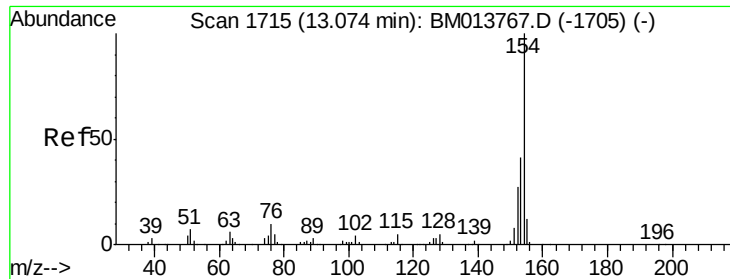
Tot Ion:113 Resp: 8598
Ion Ratio Lower Upper
113 100
55 271.1 208.0 312.0
56 179.7 160.0 240.0



#34
2-Methylnaphthalene
Concen: 7.426 ng/ul
RT: 12.05 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BM013780.D
Acq: 24 Jan 2018 22:25

Tgt Ion:142 Resp: 143935
Ion Ratio Lower Upper
142 100
141 90.2 74.1 111.1

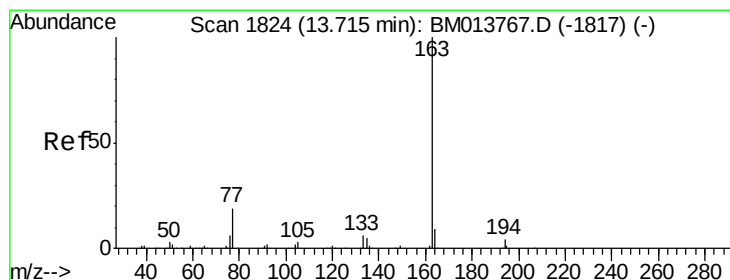
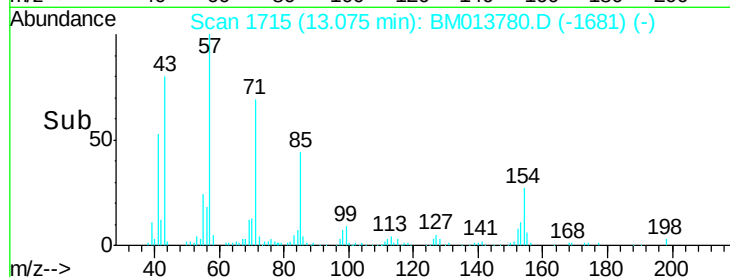
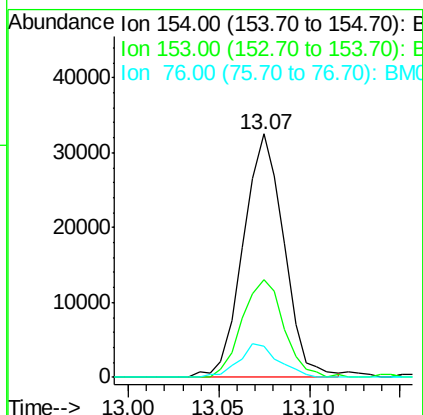
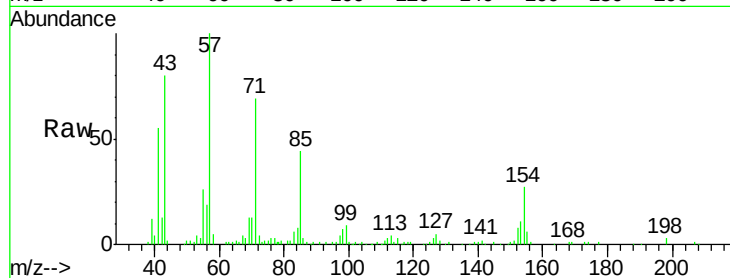




#40
1,1'-Biphenyl
Concen: 2.041 ng/ul
RT: 13.07 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BM013780.D
Acq: 24 Jan 2018 22:25

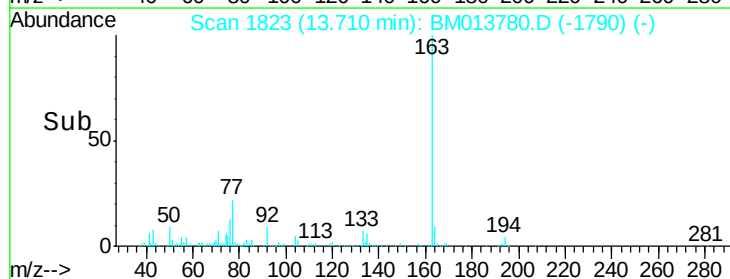
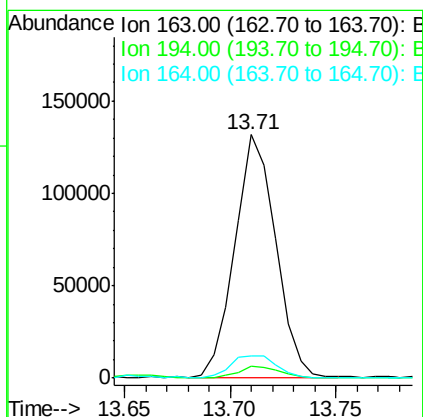
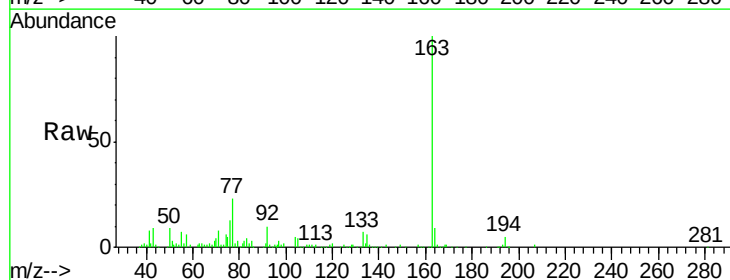
Instrument :
BNA_M
ClientSampleId :

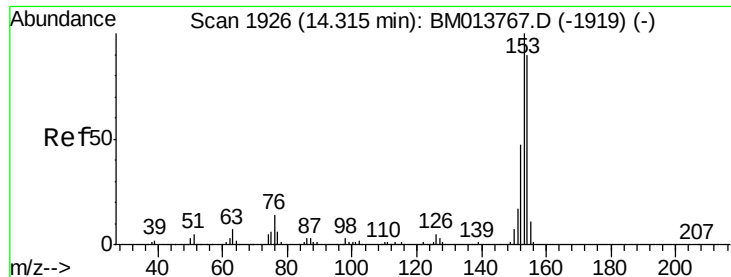
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	32.6	48.8
76	12.5	8.5	12.7



#44
Dimethylphthalate
Concen: 7.341 ng/ul
RT: 13.71 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BM013780.D
Acq: 24 Jan 2018 22:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	9.2	8.2	12.4





#49

Acenaphthene

Concen: 6.147 ng/ul

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

Instrument :

BNA_M

ClientSampleId :

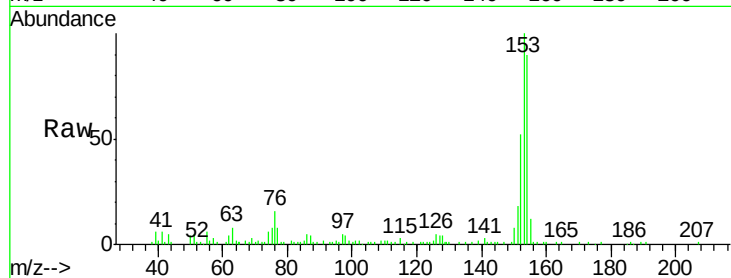
Tot Ion:153 Resp: 122338

Ion Ratio Lower Upper

153 100

152 52.0 37.6 56.4

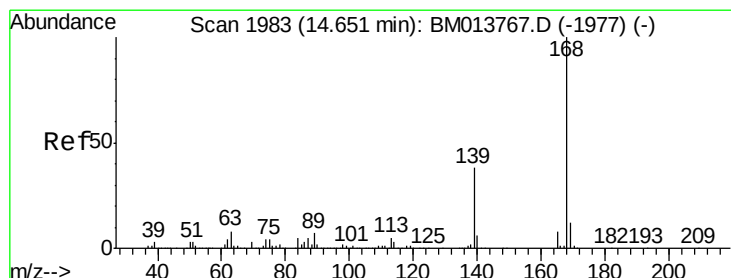
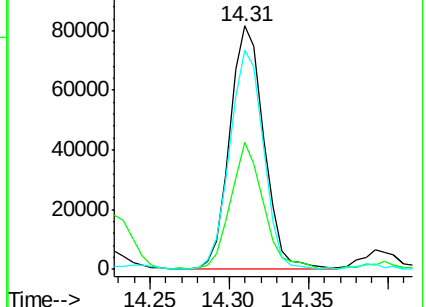
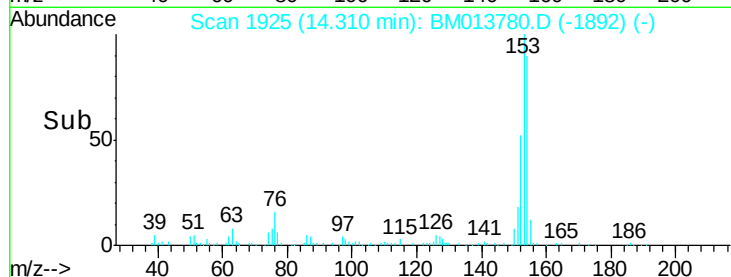
154 90.2 70.4 105.6



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: 7.358 ng/ul

RT: 14.65 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BM013780.D

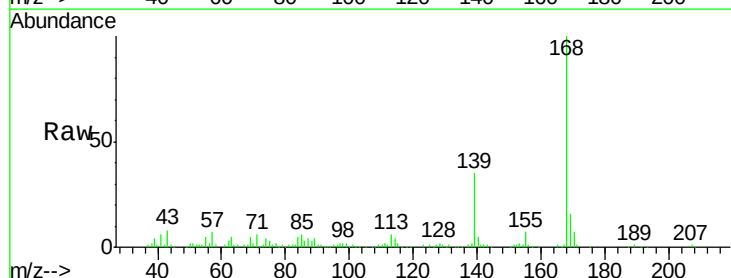
Acq: 24 Jan 2018 22:25

Tgt Ion:168 Resp: 220311

Ion Ratio Lower Upper

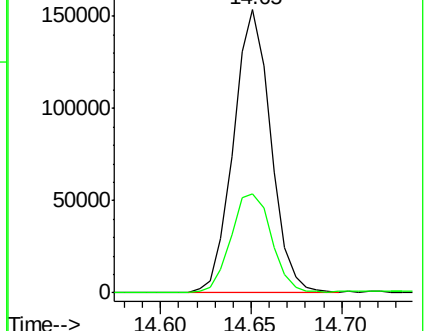
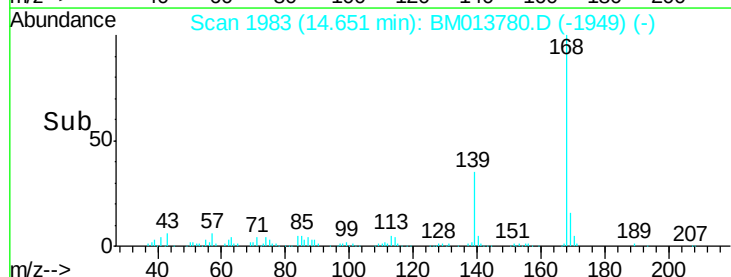
168 100

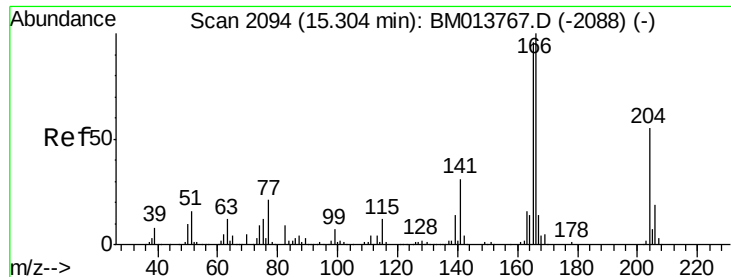
139 34.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 8.135 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

Instrument :

BNA_M

ClientSampleId :

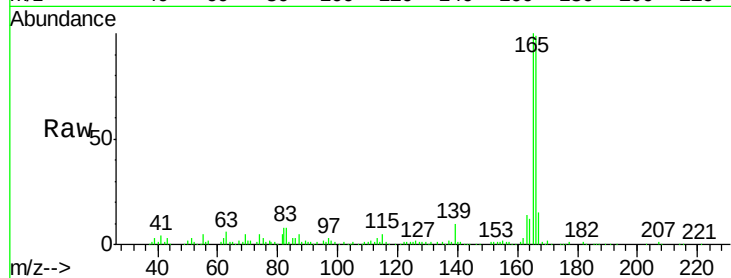
Tot Ion:166 Resp: 199515

Ion Ratio Lower Upper

166 100

165 100.6 77.9 116.9

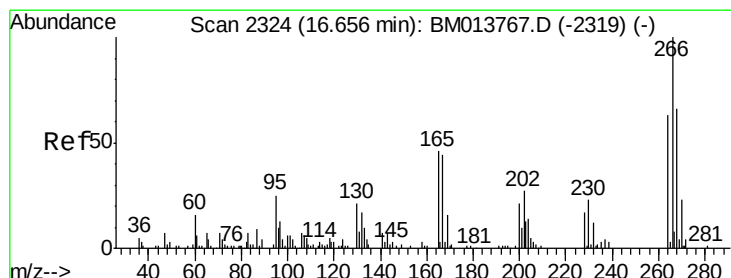
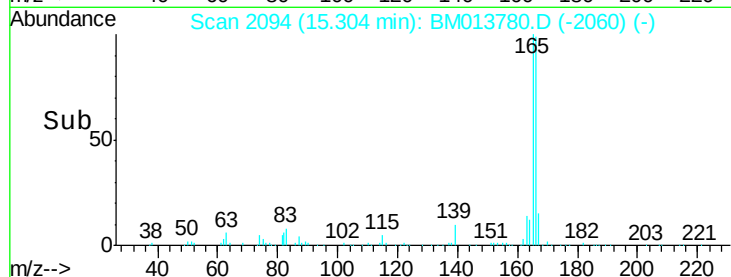
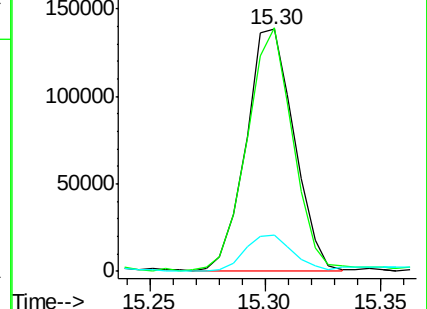
167 15.1 10.6 16.0



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: 16.814 ng/ul

RT: 16.66 min Scan# 2324

Delta R.T. 0.00 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

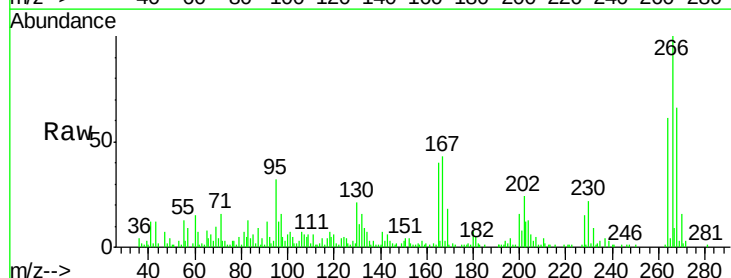
Tgt Ion:266 Resp: 79906

Ion Ratio Lower Upper

266 100

264 60.8 49.3 73.9

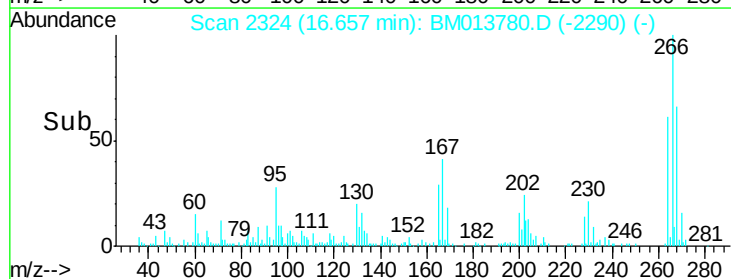
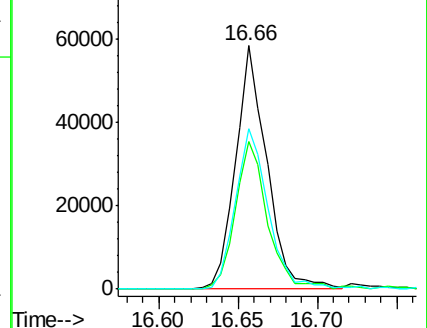
268 65.7 52.6 78.8

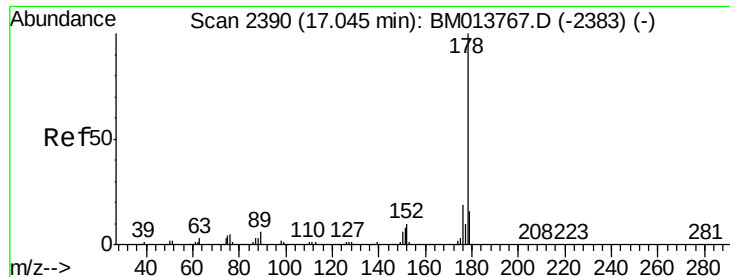


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 34.963 ng/ul

RT: 17.04 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

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BNA_M

ClientSampleId :

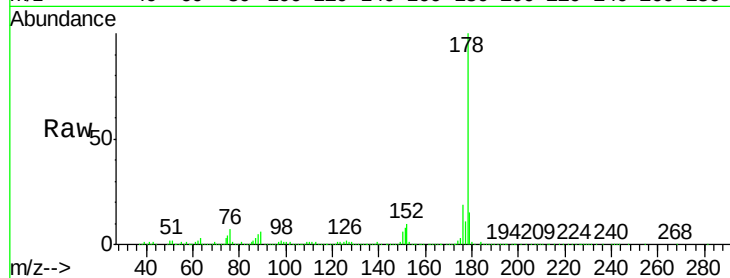
Tot Ion:178 Resp: 1367112

Ion Ratio Lower Upper

178 100

179 14.7 12.6 19.0

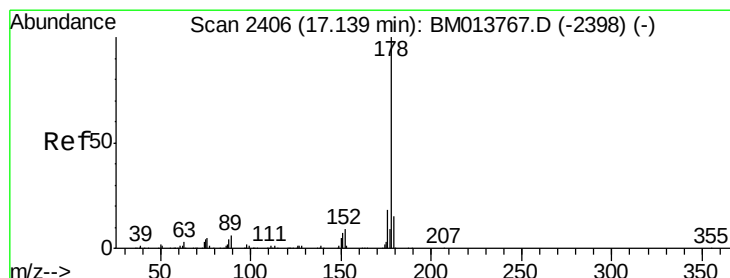
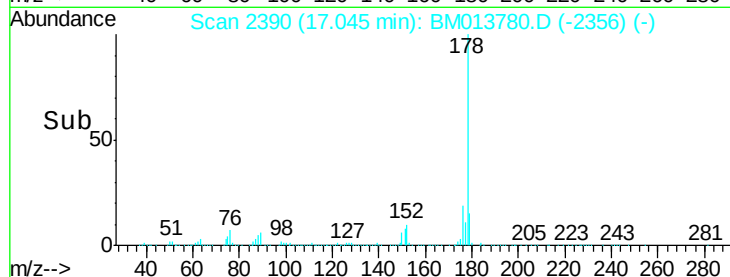
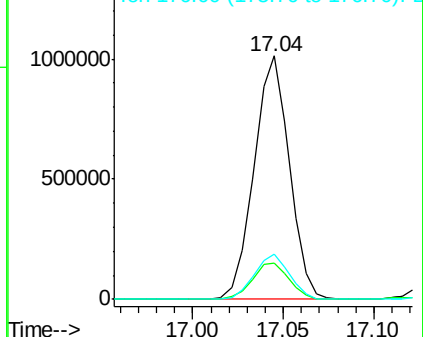
176 18.5 14.9 22.3



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: 3.861 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

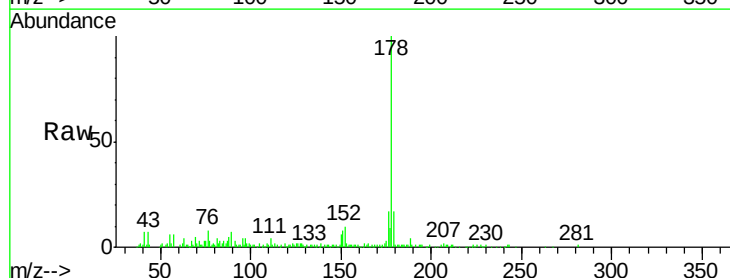
Tgt Ion:178 Resp: 155701

Ion Ratio Lower Upper

178 100

179 16.6 11.7 17.5

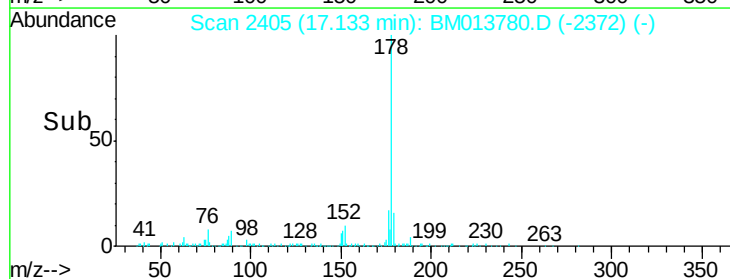
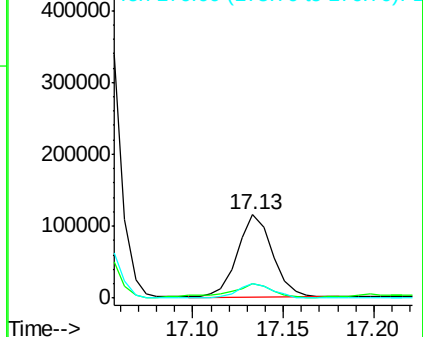
176 17.2 14.6 21.8

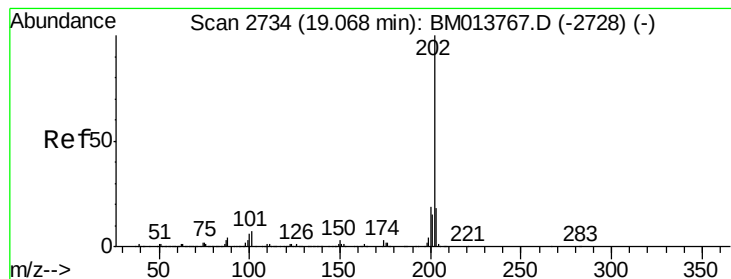


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 21.962 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

Instrument :

BNA_M

ClientSampleId :

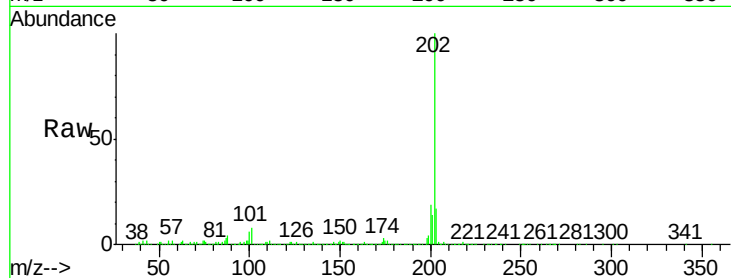
Tot Ion:202 Resp: 1025059

Ion Ratio Lower Upper

202 100

101 7.5 4.6 7.0#

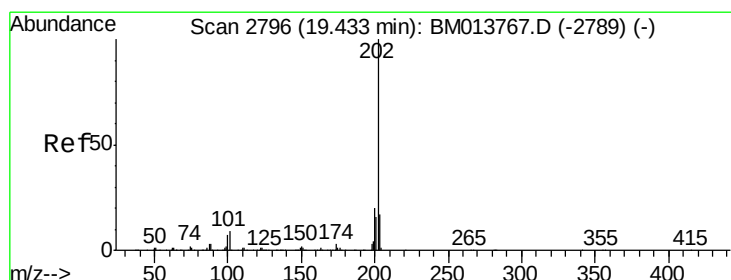
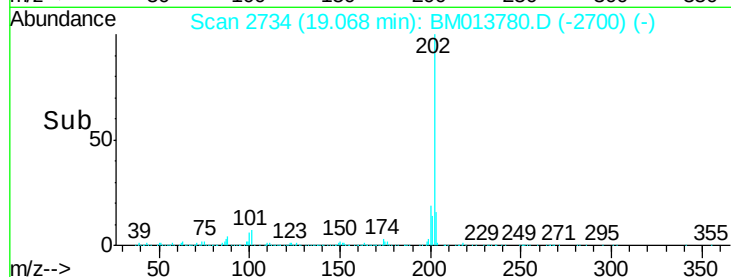
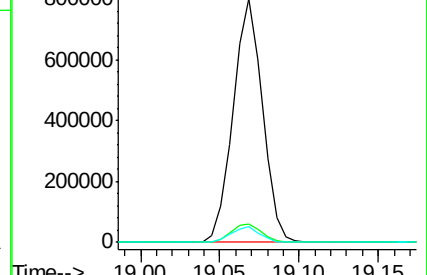
100 6.4 3.4 5.2#



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: 13.936 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.00 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

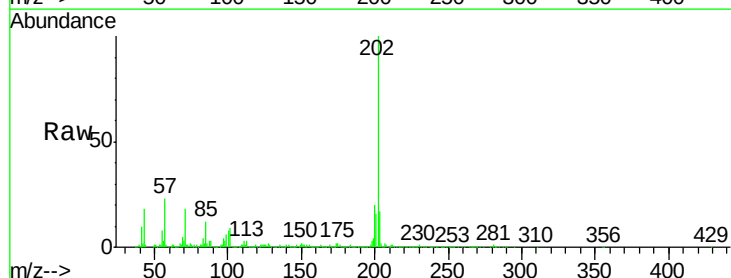
Tgt Ion:202 Resp: 670536

Ion Ratio Lower Upper

202 100

101 8.6 5.1 7.7#

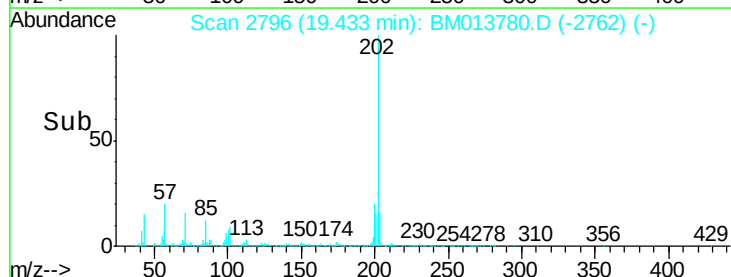
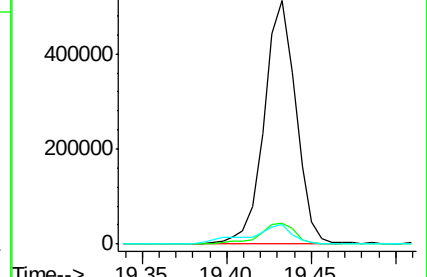
100 8.1 4.9 7.3#

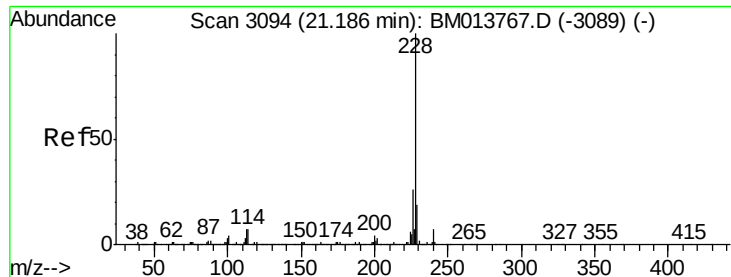


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.136 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

Instrument :

BNA_M

ClientSampleId :

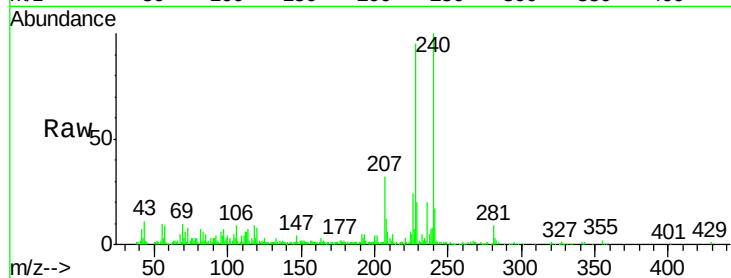
Tot Ion:228 Resp: 149974

Ion Ratio Lower Upper

228 100

229 21.0 15.4 23.0

226 24.9 21.4 32.0

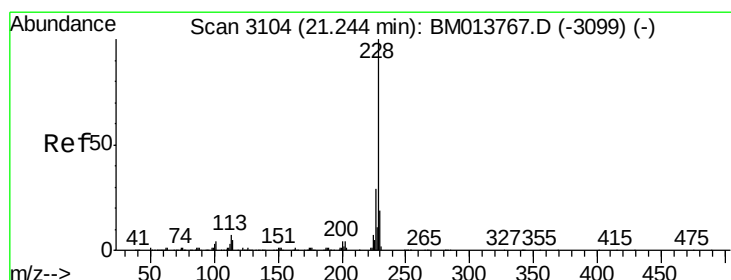
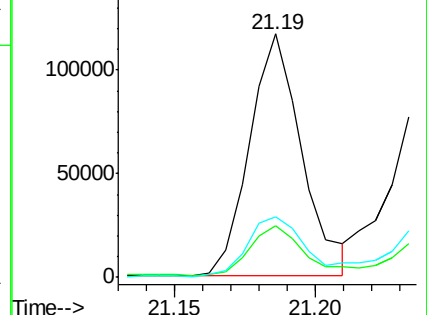
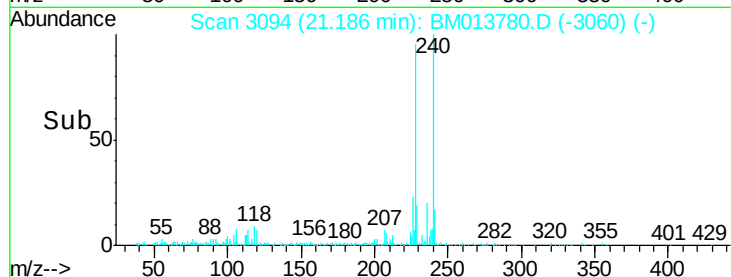


Abundance

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: 2.866 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

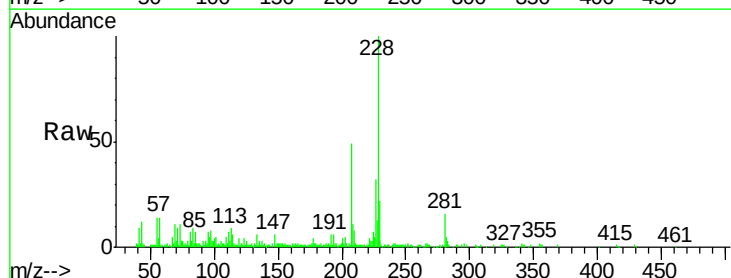
Tgt Ion:228 Resp: 125726

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.2

229 22.0 15.5 23.3

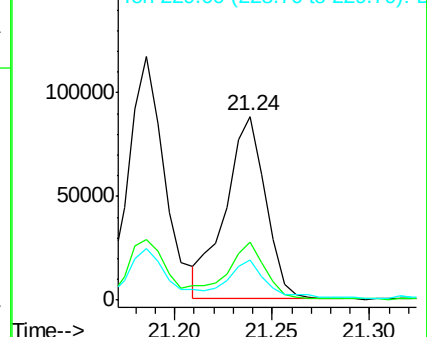
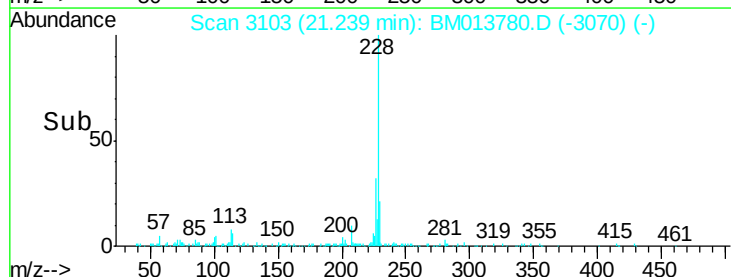


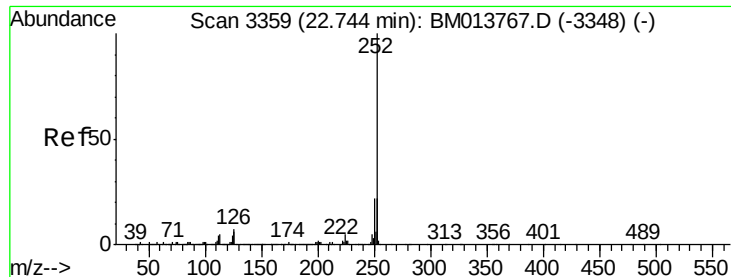
Abundance

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: 1.733 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.00 min

Lab File: BM013780.D

Acq: 24 Jan 2018 22:25

Instrument :

BNA_M

ClientSampleId :

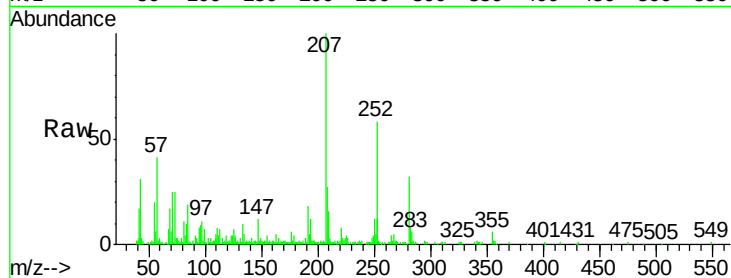
Tot Ion:252 Resp: 85429

Ion Ratio Lower Upper

252 100

253 20.3 17.9 26.9

125 12.4 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

