

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012218\
 Data File : BM013727.D
 Acq On : 23 Jan 2018 11:34
 Operator : SJ/JU
 Sample : J1174-16
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 23 12:43:02 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 23 06:05:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	157068	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	631839	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	347921	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	824510	20.00	ng/ul	0.00
75) Chrysene-d12	21.21	240	919063	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	948412	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	11569	2.91	ng/uL	0.00
5) Phenol-d5	6.79	99	233225	19.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	150043	20.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	202492	20.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	192122	20.73	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	102558	20.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.48	143	106315	20.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	193260	19.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	242912	27.98	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	600383	20.94	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	790064	21.60	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	66680	14.31	ng/ul	0.00
57) Fluorene-d10	15.26	176	539316	21.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	59236	11.94	ng/ul	0.00
70) Anthracene-d10	17.11	188	882045	21.96	ng/ul	0.00
76) Pyrene-d10	19.42	212	1011650	23.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	1002358	22.99	ng/ul	0.00

Target Compounds

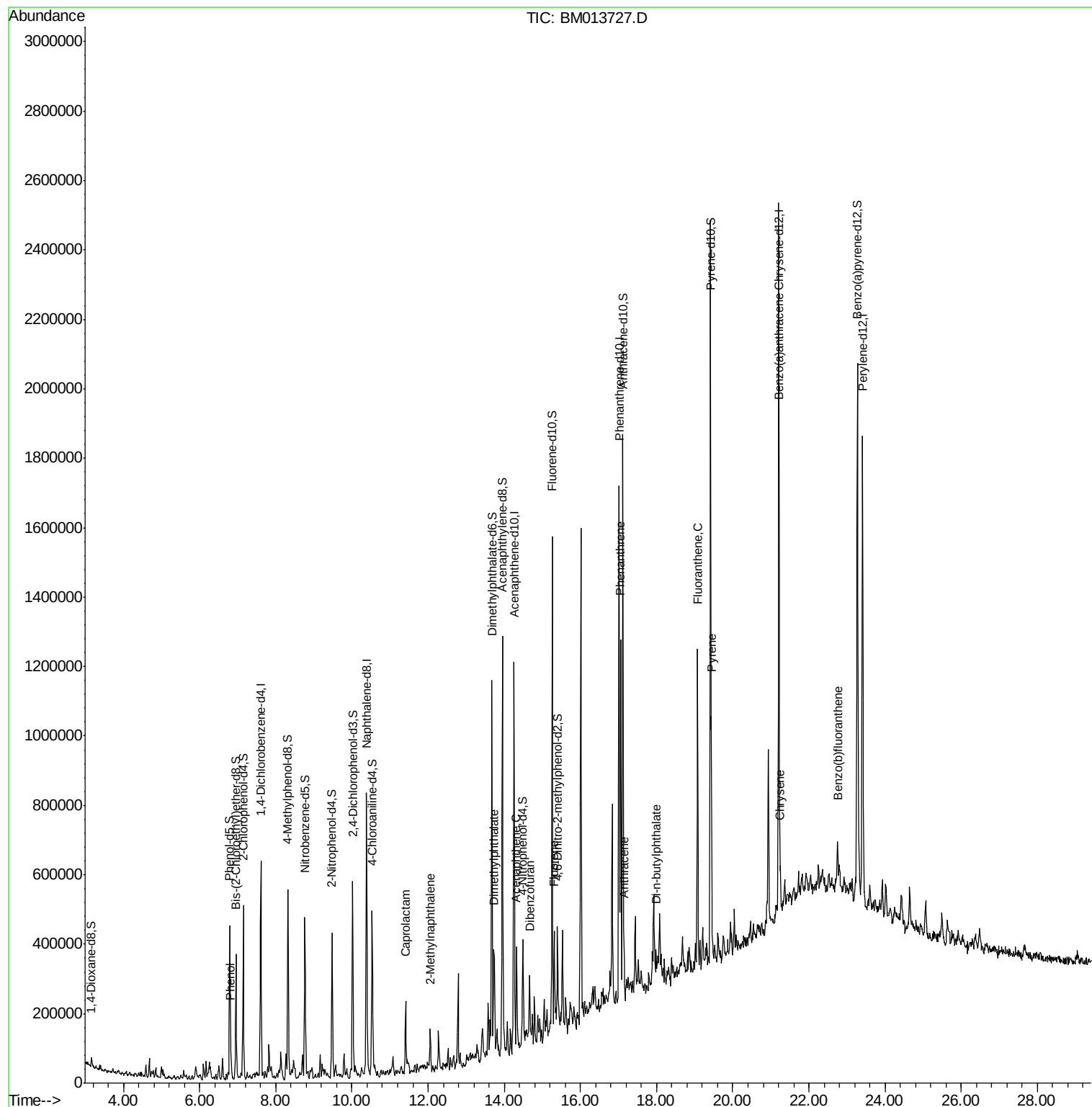
				Ovalue	
6) Phenol	6.82	94	26199	2.166	ng/ul# 84
32) Caprolactam	11.41	113	8676	3.234	ng/ul# 50
34) 2-Methylnaphthalene	12.06	142	63042	2.690	ng/ul# 76
44) Dimethylphthalate	13.72	163	152076	5.394	ng/ul# 98
49) Acenaphthene	14.32	153	105047	4.534	ng/ul 99
53) Dibenzofuran	14.66	168	40230	1.154	ng/ul 96
58) Fluorene	15.32	166	103580	3.627	ng/ul# 85
69) Phenanthrene	17.06	178	602261	13.141	ng/ul 99
71) Anthracene	17.14	178	89835	1.900	ng/ul 97
73) Di-n-butylphthalate	17.99	149	55188	1.203	ng/ul# 95
74) Fluoranthene	19.08	202	523637	9.572	ng/ul# 95
77) Pyrene	19.44	202	395487	7.078	ng/ul# 93
80) Benzo(a)anthracene	21.20	228	72890	1.313	ng/ul 98
82) Chrysene	21.25	228	82373	1.617	ng/ul 96
85) Benzo(b)fluoranthene	22.76	252	61541	1.057	ng/ul# 93

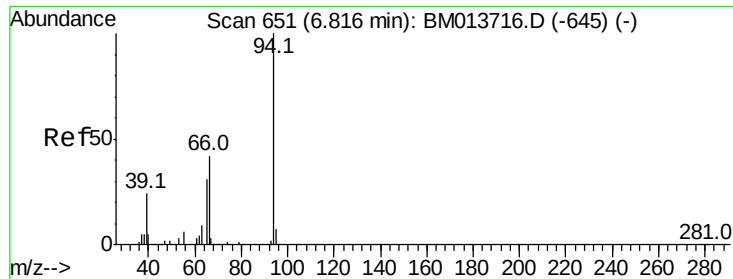
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 23 12:43:02 2018
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 23 06:05:57 2018
Response via : Initial Calibration





#6

Phenol

Concen: 2.166 ng/ul

RT: 6.82 min Scan# 652

Delta R.T. 0.01 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

Instrument :

BNA_M

ClientSampleId :

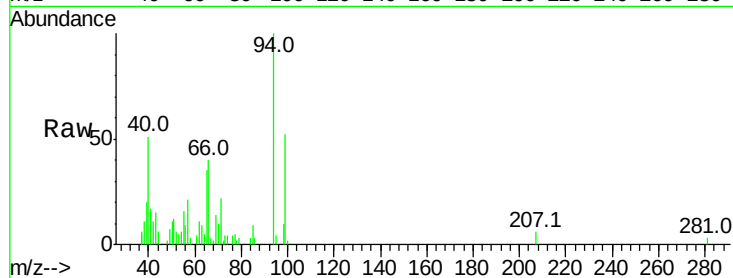
Tot Ion: 94 Resp: 26199

Ion Ratio Lower Upper

94 100

65 35.5 28.2 42.4

66 39.9 47.2 70.8#



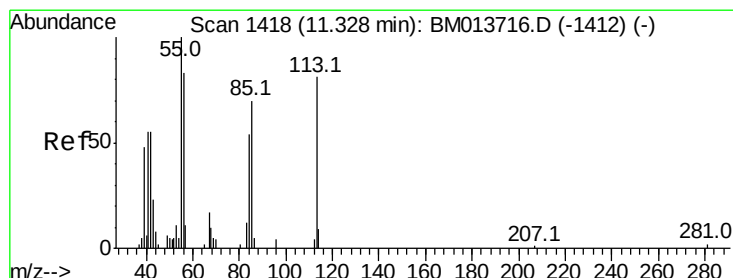
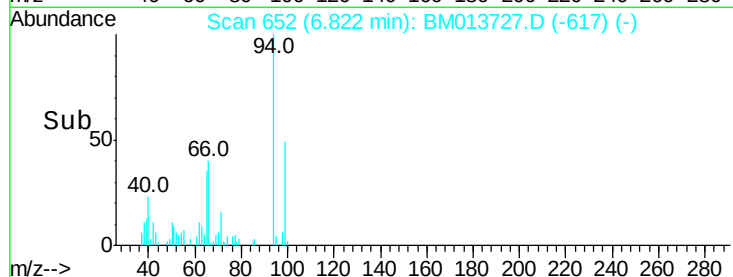
Abundance Ion 94.00 (93.70 to 94.70): BM013727.D (-617) (-)

Ion 65.00 (64.70 to 65.70): BM013727.D (-617) (-)

Ion 66.00 (65.70 to 66.70): BM013727.D (-617) (-)

6.82

Time-->



#32

Caprolactam

Concen: 3.234 ng/ul

RT: 11.41 min Scan# 1432

Delta R.T. 0.08 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

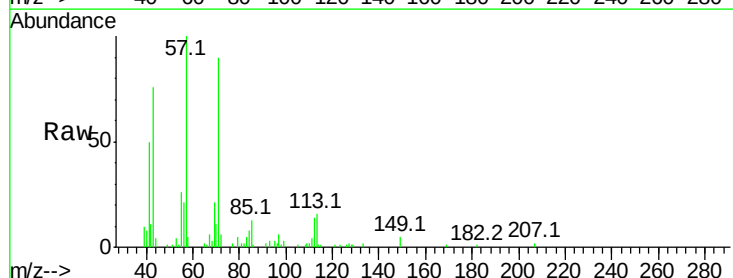
Tgt Ion: 113 Resp: 8676

Ion Ratio Lower Upper

113 100

55 163.5 208.0 312.0#

56 133.1 160.0 240.0#



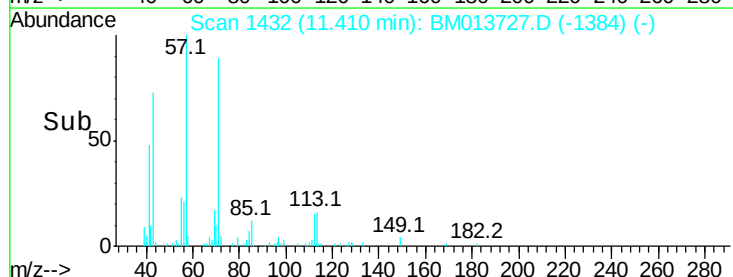
Abundance Ion 113.00 (112.70 to 113.70): BM013727.D (-1384) (-)

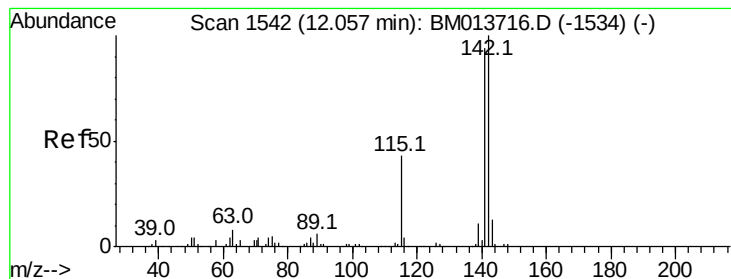
Ion 55.00 (54.70 to 55.70): BM013727.D (-1384) (-)

Ion 56.00 (55.70 to 56.70): BM013727.D (-1384) (-)

11.41

Time-->





#34

2-Methylnaphthalene

Concen: 2.690 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

Instrument :

BNA_M

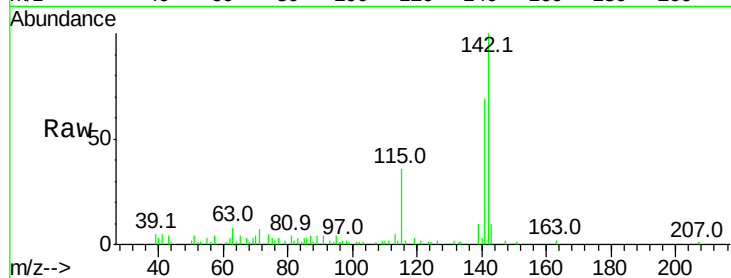
ClientSampleId :

Tot Ion:142 Resp: 63042

Ion Ratio Lower Upper

142 100

141 69.4 74.1 111.1#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.06

40000

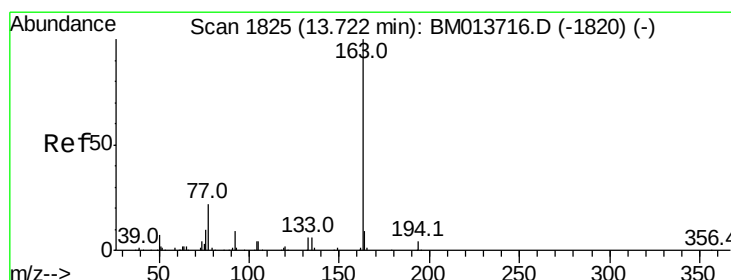
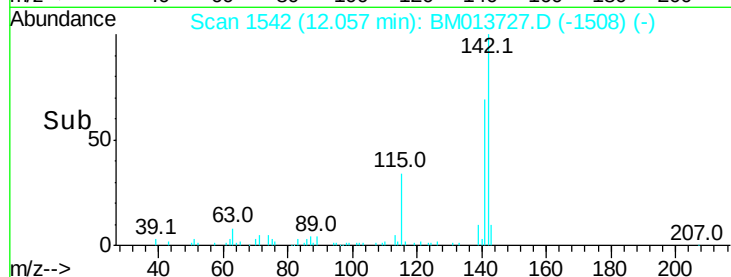
30000

20000

10000

0

Time--> 12.00 12.05 12.10



#44

Dimethylphthalate

Concen: 5.394 ng/ul

RT: 13.72 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

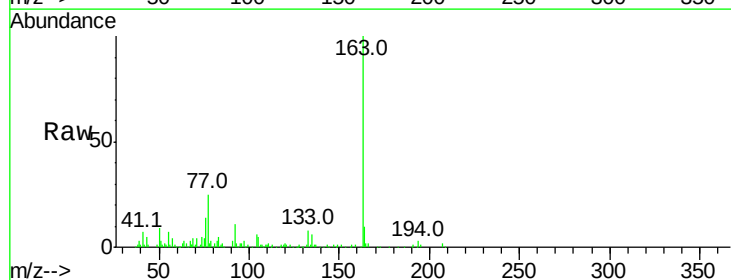
Tgt Ion:163 Resp: 152076

Ion Ratio Lower Upper

163 100

194 3.3 3.5 5.3#

164 9.7 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

13.72

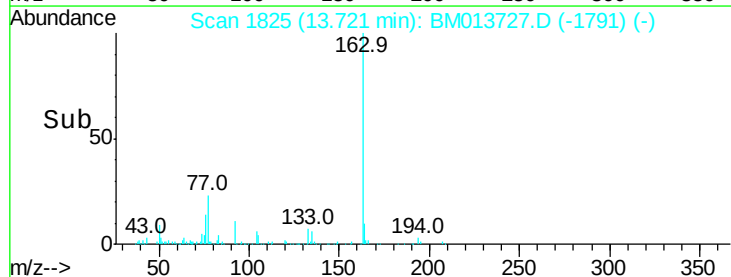
150000

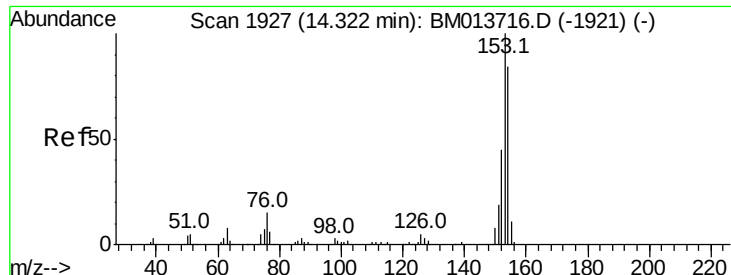
100000

50000

0

Time--> 13.70 13.75 13.80





#49

Acenaphthene

Concen: 4.534 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

Instrument :

BNA_M

ClientSampleId :

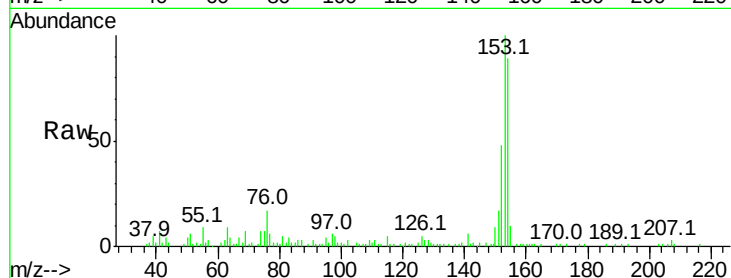
Tot Ion:153 Resp: 105047

Ion Ratio Lower Upper

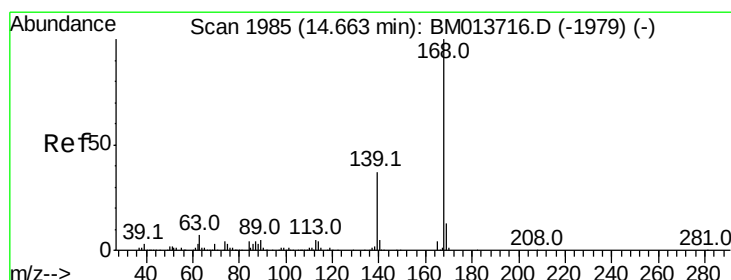
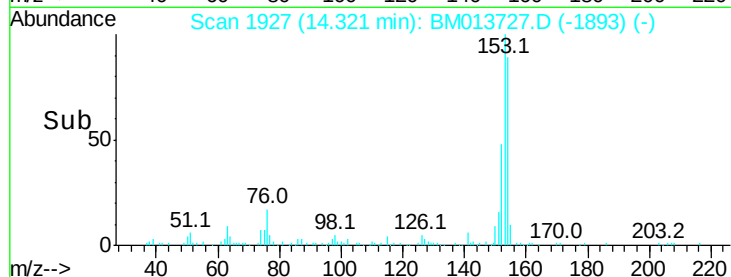
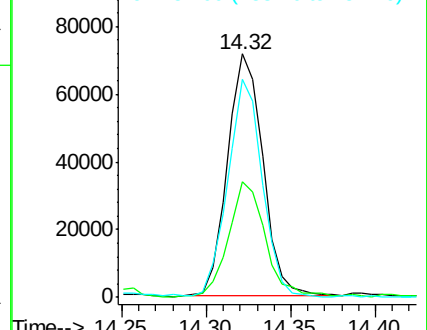
153 100

152 47.7 37.6 56.4

154 89.4 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: 1.154 ng/ul

RT: 14.66 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BM013727.D

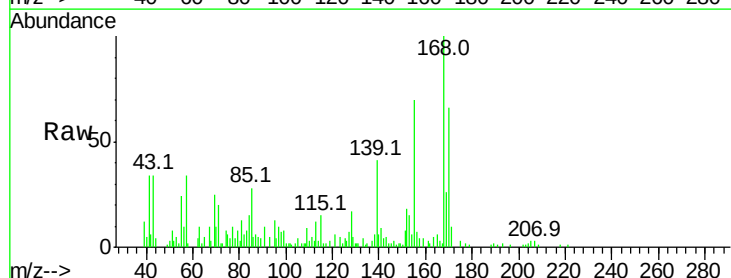
Acq: 23 Jan 2018 11:34

Tgt Ion:168 Resp: 40230

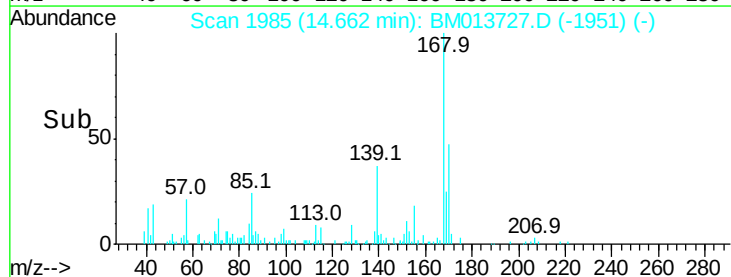
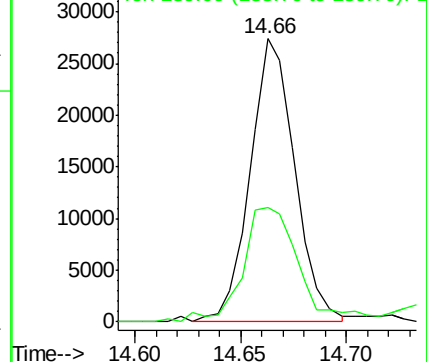
Ion Ratio Lower Upper

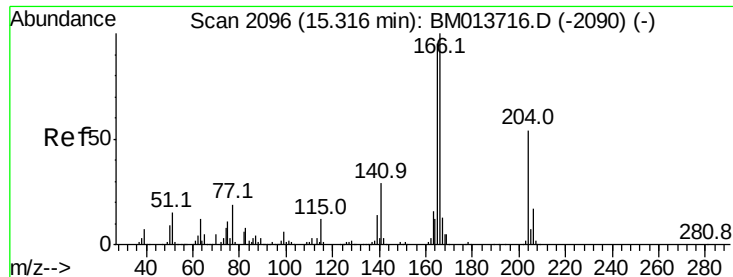
168 100

139 40.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

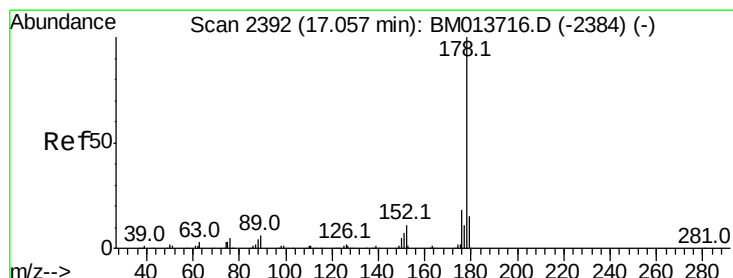
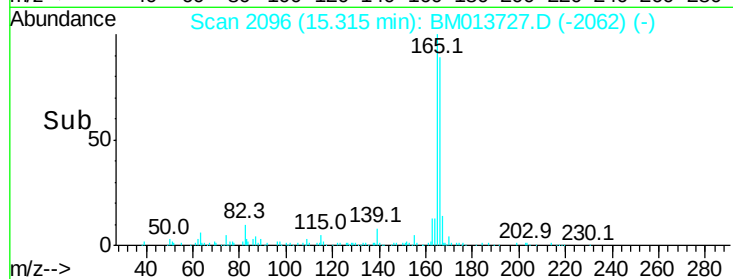
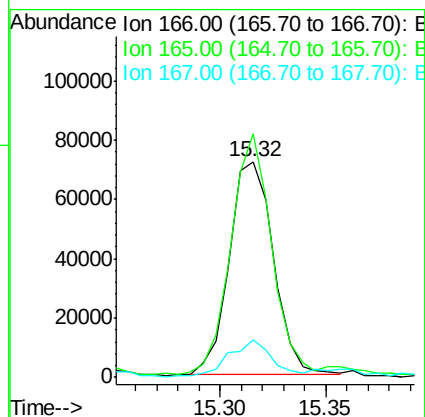
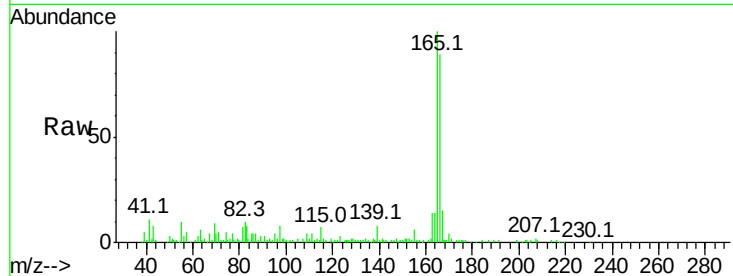




#58
 Fluorene
 Concen: 3.627 ng/ul
 RT: 15.32 min Scan# 2096
 Delta R.T. -0.00 min
 Lab File: BM013727.D
 Acq: 23 Jan 2018 11:34

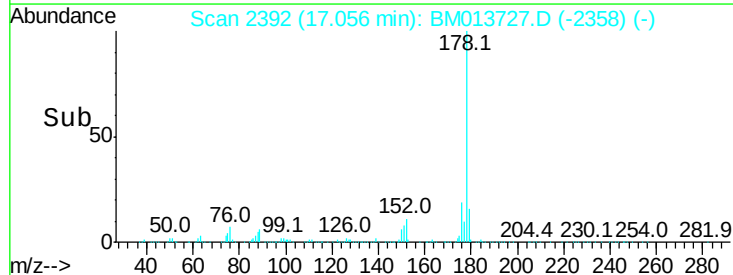
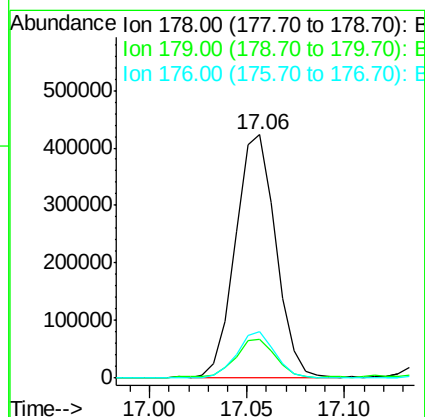
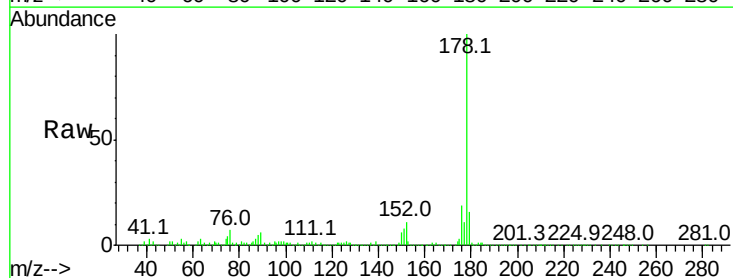
Instrument :
 BNA_M
 ClientSampleId :

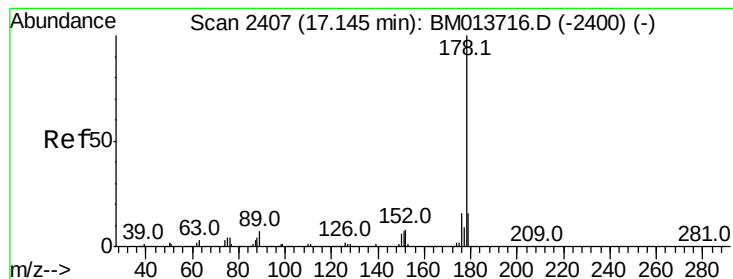
Tot Ion:166 Resp: 103580
 Ion Ratio Lower Upper
 166 100
 165 112.7 77.9 116.9
 167 17.2 10.6 16.0#



#69
 Phenanthrene
 Concen: 13.141 ng/ul
 RT: 17.06 min Scan# 2392
 Delta R.T. -0.00 min
 Lab File: BM013727.D
 Acq: 23 Jan 2018 11:34

Tgt Ion:178 Resp: 602261
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.6 19.0
 176 19.3 14.9 22.3





#71

Anthracene

Concen: 1.900 ng/ul

RT: 17.14 min Scan# 2407

Delta R.T. -0.00 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

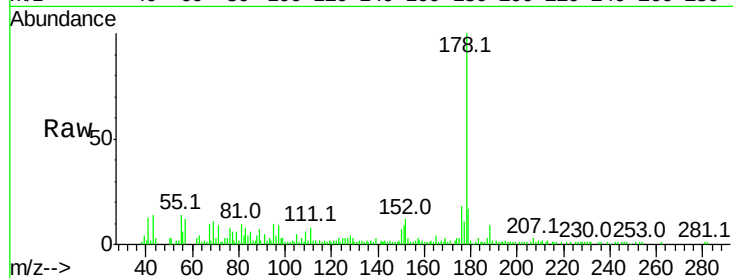
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 89835

Ion	Ratio	Lower	Upper
178	100		
179	17.0	11.7	17.5
176	18.4	14.6	21.8

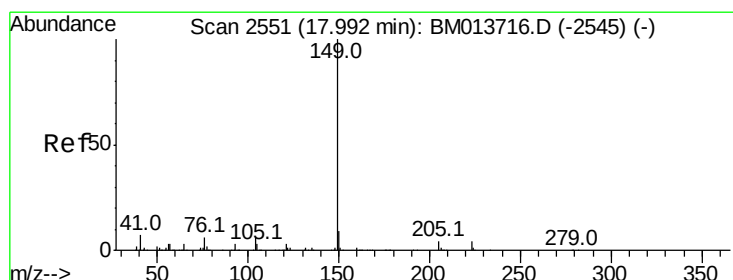
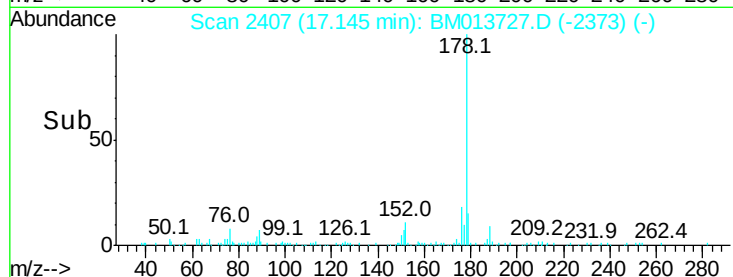
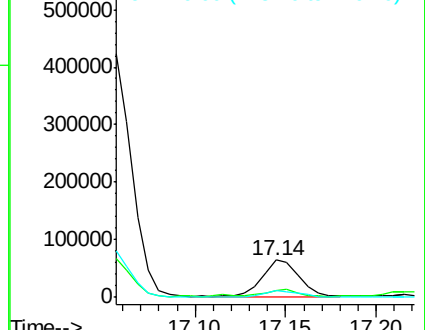


Abundance

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



#73

Di-n-butylphthalate

Concen: 1.203 ng/ul

RT: 17.99 min Scan# 2551

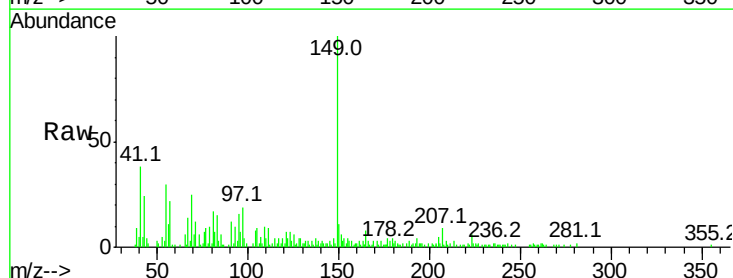
Delta R.T. -0.00 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

Tgt Ion:149 Resp: 55188

Ion	Ratio	Lower	Upper
149	100		
150	11.3	7.1	10.7#
104	7.9	5.6	8.4

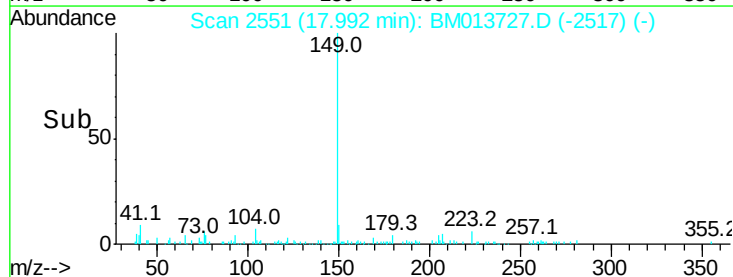
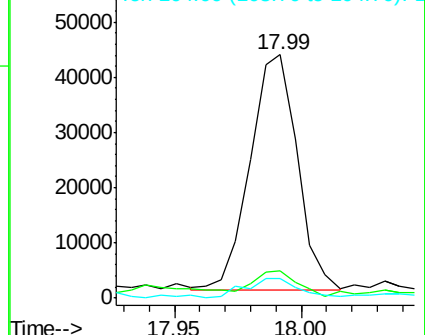


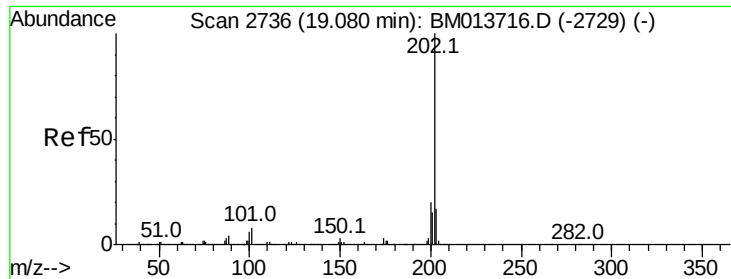
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 9.572 ng/ul

RT: 19.08 min Scan# 2736

Delta R.T. -0.00 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

Instrument :

BNA_M

ClientSampleId :

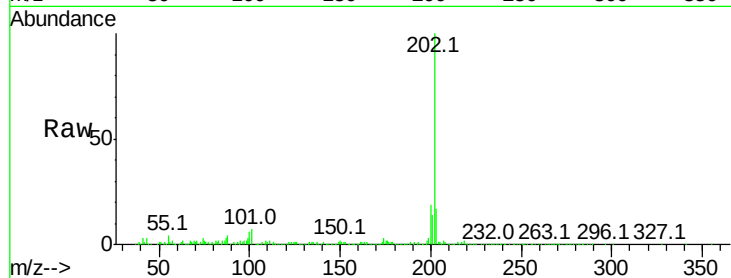
Tot Ion:202 Resp: 523637

Ion Ratio Lower Upper

202 100

101 7.2 4.6 7.0#

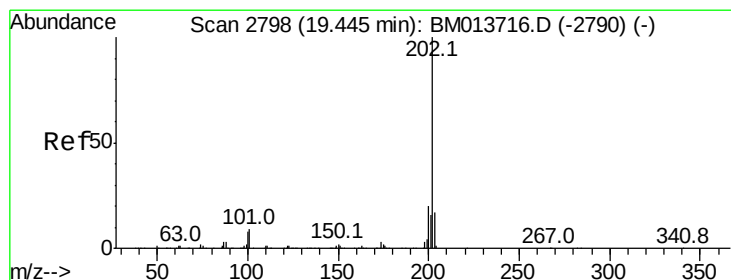
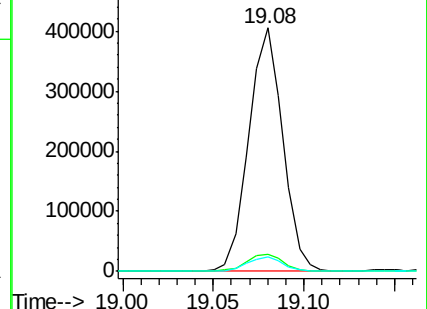
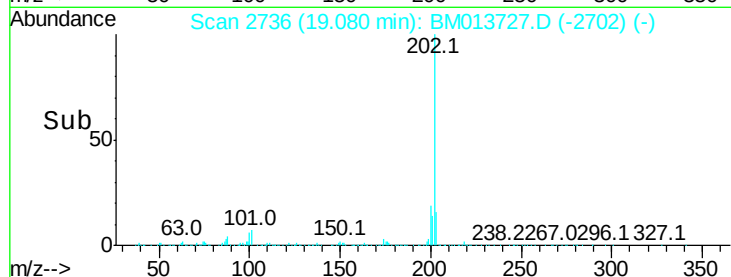
100 6.1 3.4 5.2#



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: 7.078 ng/ul

RT: 19.44 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

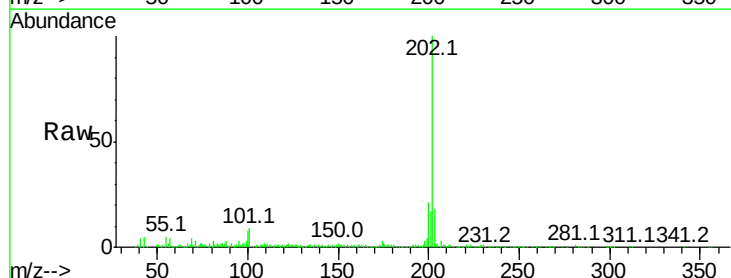
Tgt Ion:202 Resp: 395487

Ion Ratio Lower Upper

202 100

101 8.9 5.1 7.7#

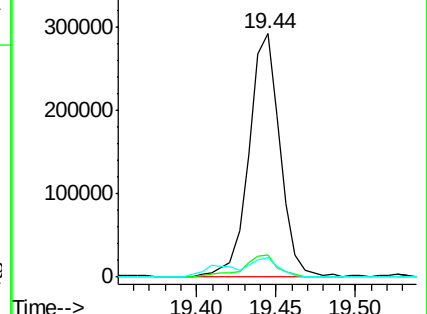
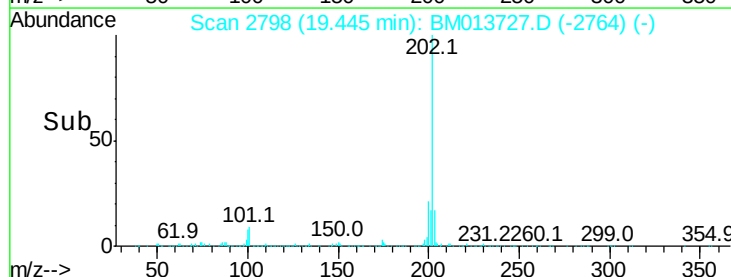
100 8.1 4.9 7.3#

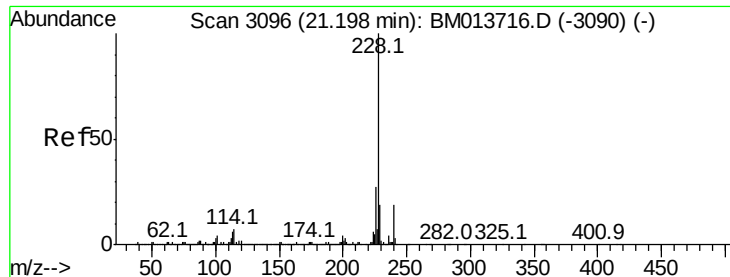


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.313 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

Instrument :

BNA_M

ClientSampleId :

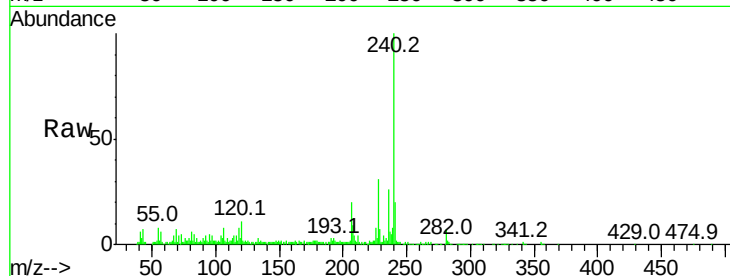
Tot Ion:228 Resp: 72890

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.4	23.0
226	26.5	21.4	32.0

228 100

229 21.2 15.4 23.0

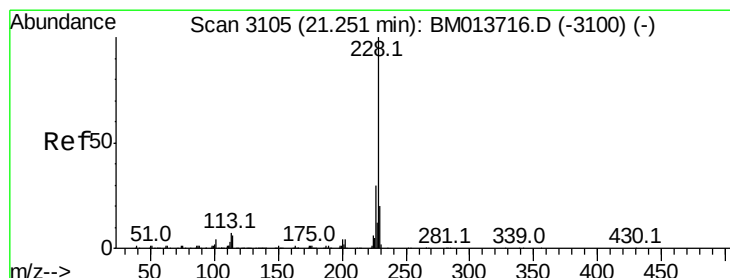
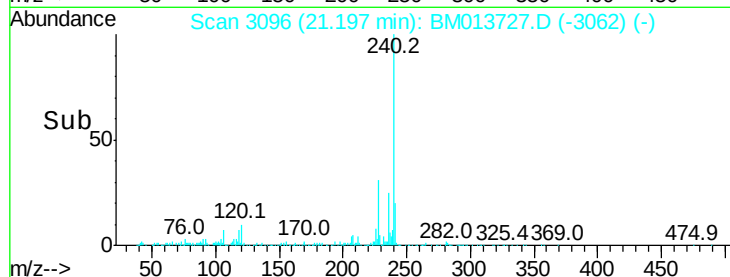
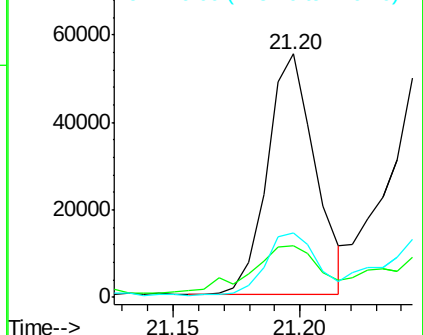
226 26.5 21.4 32.0



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



#82

Chrysene

Concen: 1.617 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

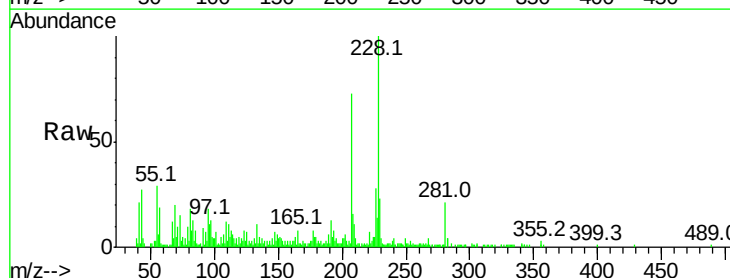
Tgt Ion:228 Resp: 82373

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.4	35.2
229	22.7	15.5	23.3

228 100

226 28.1 23.4 35.2

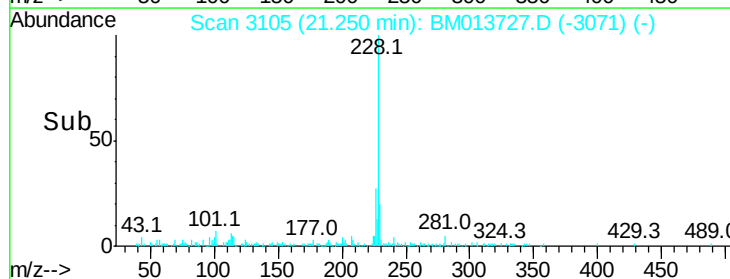
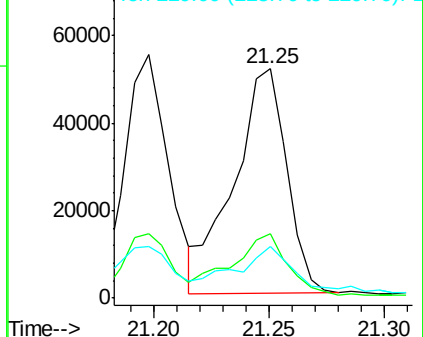
229 22.7 15.5 23.3

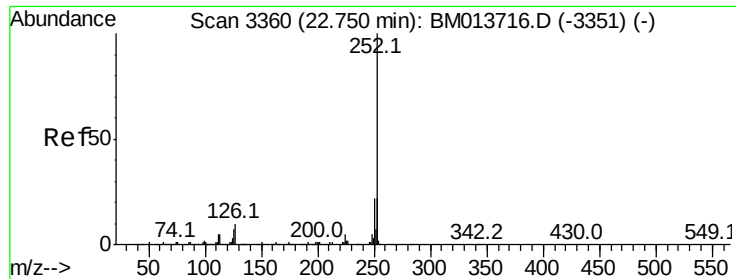


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.057 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BM013727.D

Acq: 23 Jan 2018 11:34

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 61541

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 12.6 3.6 5.4#

