

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013794.D
 Acq On : 25 Jan 2018 06:45
 Operator : SJ/JU
 Sample : J1222-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6A80

Quant Time: Jan 25 13:34:54 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 03:36:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	163356	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	640144	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	482398	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	737542	20.00	ng/ul	0.01
75) Chrysene-d12	21.20	240	755088	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	768631	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	9763	2.36	ng/uL	0.00
5) Phenol-d5	6.78	99	268289	21.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	166669	21.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	236239	23.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	211645	21.95	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	118544	23.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	140148	26.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	246325	24.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	182096	20.70	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	709347	17.84	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	877819	17.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	118812	18.39	ng/ul	0.00
57) Fluorene-d10	15.25	176	611098	17.48	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	75979	17.11	ng/ul	0.00
70) Anthracene-d10	17.11	188	941405	26.21	ng/ul	0.01
76) Pyrene-d10	19.40	212	1009244	28.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	952702	26.97	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.80	94	45643	3.629	ng/ul	94
21) Isophorone	9.31	82	75754	3.654	ng/ul#	83
24) 2,4-Dimethylphenol	9.56	107	26104	2.264	ng/ul#	56
28) Naphthalene	10.42	128	3759784	118.057	ng/ul	100
34) 2-Methylnaphthalene	12.05	142	2262534	95.289	ng/ul	95
38) 2,4,6-Trichlorophenol	12.67	196	14012	1.354	ng/ul#	86
40) 1,1'-Biphenyl	13.07	154	667929	16.634	ng/ul	96
44) Dimethylphthalate	13.72	163	163346	4.179	ng/ul	97
49) Acenaphthene	14.32	153	1855634	57.759	ng/ul	99
53) Dibenzofuran	14.66	168	1896762	39.245	ng/ul	100
55) 2,3,4,6-Tetrachlorophenol	14.89	232	913373	90.197	ng/ul#	88
58) Fluorene	15.31	166	1681303	42.467	ng/ul	98
68) Pentachlorophenol	16.69	266	12389700	2486.527	ng/ul	98
69) Phenanthrene	17.06	178	7494256	182.800	ng/ul	99
71) Anthracene	17.14	178	1117640	26.430	ng/ul	97
72) Carbazole	17.42	167	484131	13.870	ng/ul	96
74) Fluoranthene	19.07	202	2893281	59.122	ng/ul#	95
77) Pyrene	19.44	202	2114811	46.070	ng/ul#	96
80) Benzo(a)anthracene	21.19	228	334005	7.320	ng/ul	96
82) Chrysene	21.24	228	280904	6.711	ng/ul	97
85) Benzo(b)fluoranthene	22.74	252	112263	2.378	ng/ul#	78
88) Benzo(a)pyrene	23.30	252	62890	1.410	ng/ul#	61

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Response via : Initial Calibration

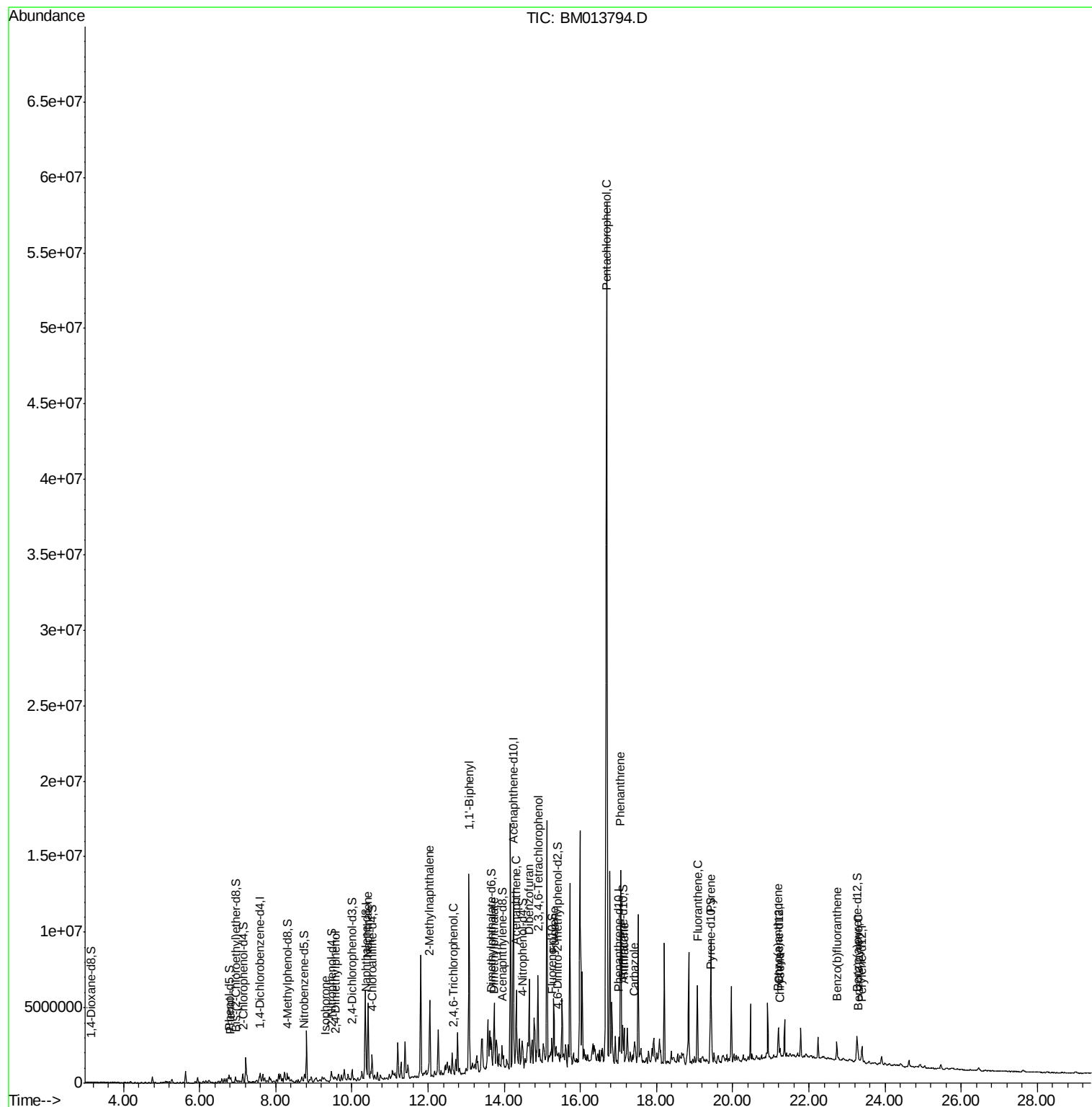
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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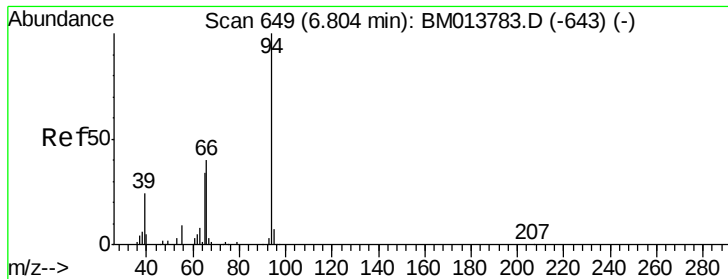
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.629 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

Instrument :

BNA_M

ClientSampled :

F6A80

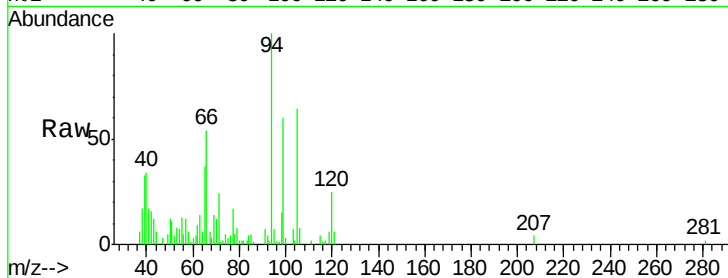
Tot Ion: 94 Resp: 45643

Ion Ratio Lower Upper

94 100

65 37.3 28.2 42.4

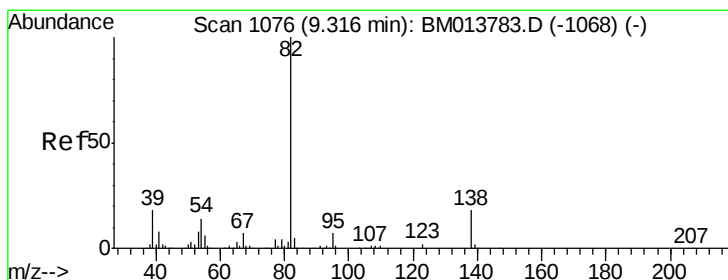
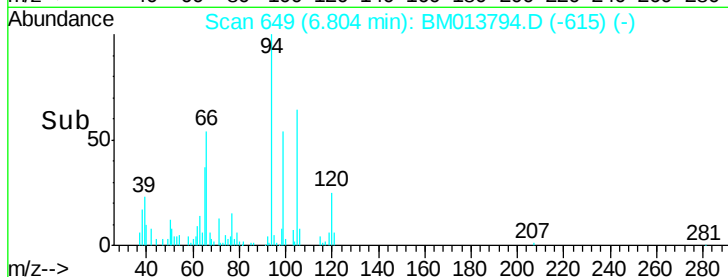
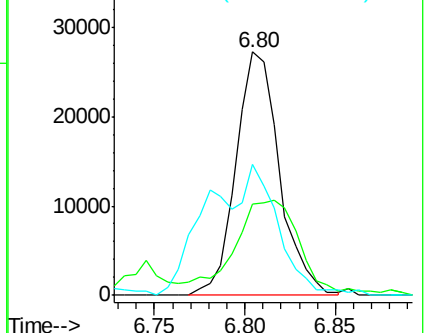
66 53.6 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013783.D (-643) (-)

Ion 65.00 (64.70 to 65.70): BM013783.D (-643) (-)

Ion 66.00 (65.70 to 66.70): BM013783.D (-643) (-)



#21

Isophorone

Concen: 3.654 ng/ul

RT: 9.31 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

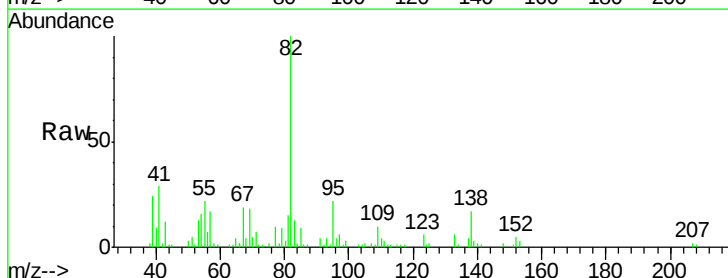
Tgt Ion: 82 Resp: 75754

Ion Ratio Lower Upper

82 100

95 22.1 7.8 11.8#

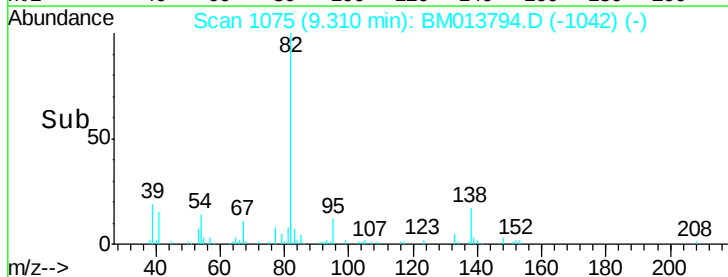
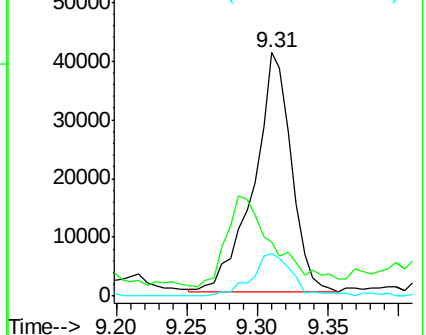
138 17.4 11.9 17.9

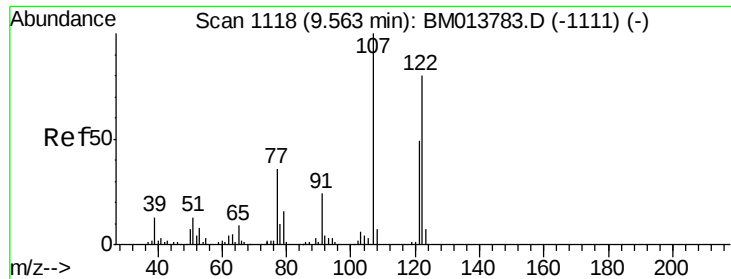


Abundance Ion 82.00 (81.70 to 82.70): BM013783.D (-1068) (-)

Ion 95.00 (94.70 to 95.70): BM013783.D (-1068) (-)

Ion 138.00 (137.70 to 138.70): BM013783.D (-1068) (-)





#24

2,4-Dimethylphenol

Concen: 2.264 ng/ul

RT: 9.56 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

Instrument :

BNA_M

ClientSampleId :

F6A80

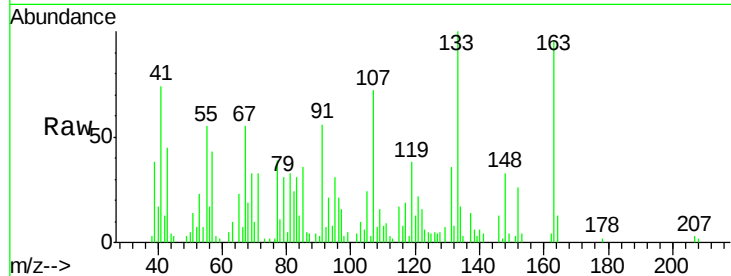
Tot Ion:107 Resp: 26104

Ion Ratio Lower Upper

107 100

121 30.8 31.9 47.9#

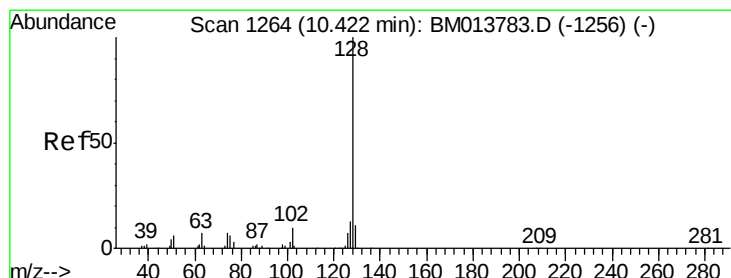
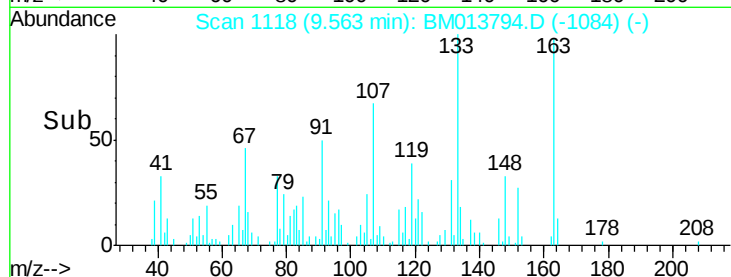
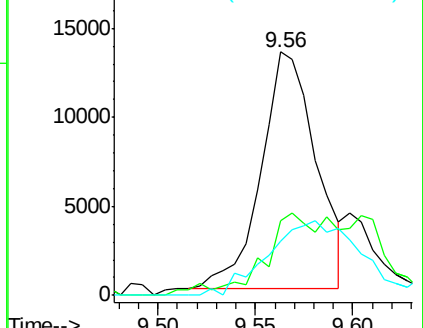
122 22.2 57.8 86.6#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 118.057 ng/ul

RT: 10.42 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

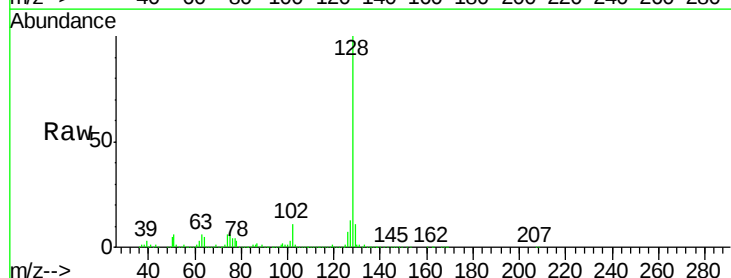
Tgt Ion:128 Resp: 3759784

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

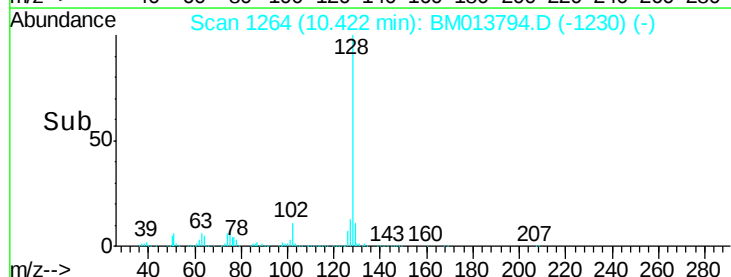
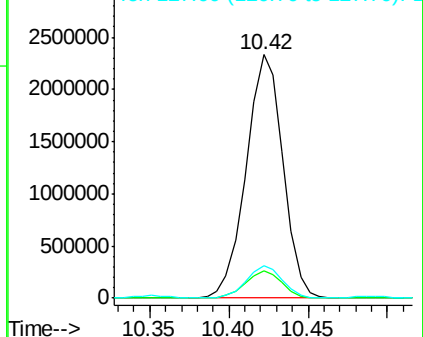
127 13.3 10.6 16.0

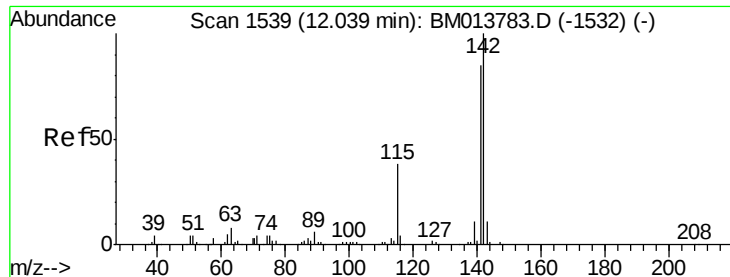


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

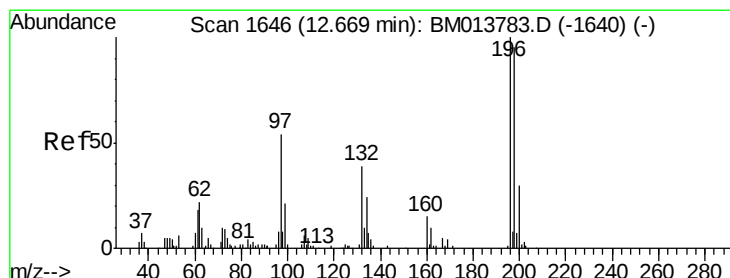
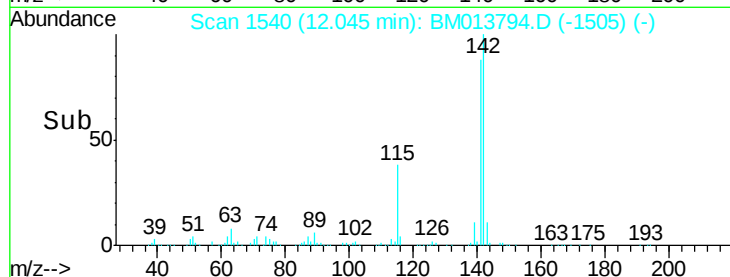
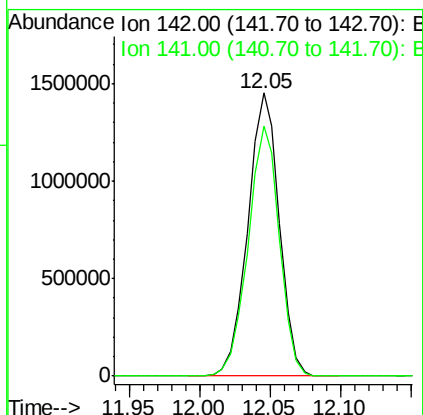
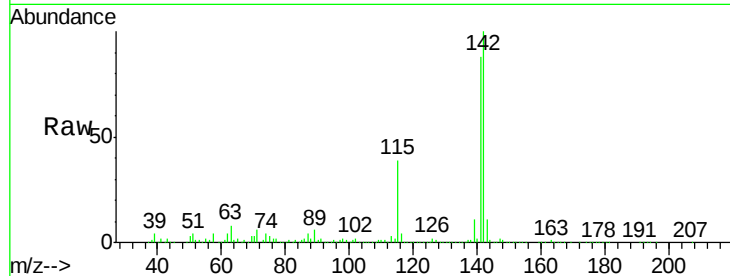




#34
2-Methylnaphthalene
Concen: 95.289 ng/ul
RT: 12.05 min Scan# 1540
Delta R.T. 0.01 min
Lab File: BM013794.D
Acq: 25 Jan 2018 06:45

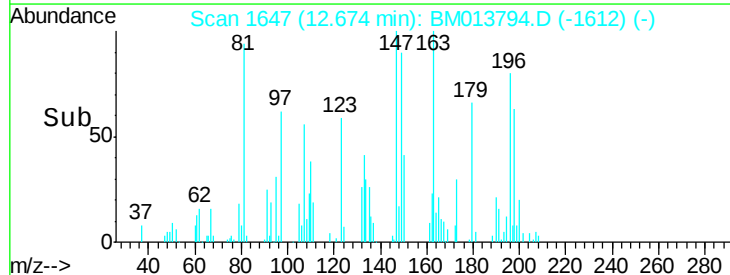
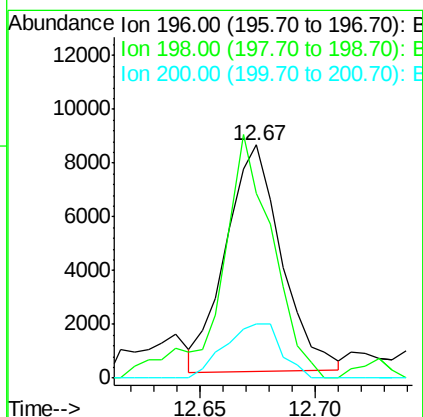
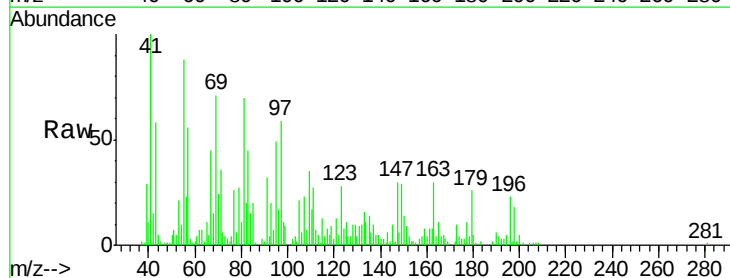
Instrument :
BNA_M
ClientSampleId :
F6A80

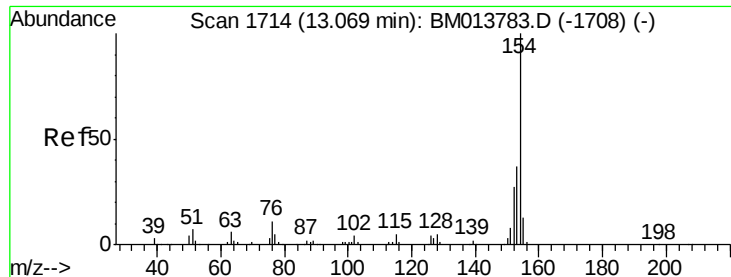
Tot Ion:142 Resp: 2262534
Ion Ratio Lower Upper
142 100
141 88.3 74.1 111.1



#38
2,4,6-Trichlorophenol
Concen: 1.354 ng/ul
RT: 12.67 min Scan# 1647
Delta R.T. 0.01 min
Lab File: BM013794.D
Acq: 25 Jan 2018 06:45

Tgt Ion:196 Resp: 14012
Ion Ratio Lower Upper
196 100
198 79.0 74.1 111.1
200 23.3 25.2 37.8#

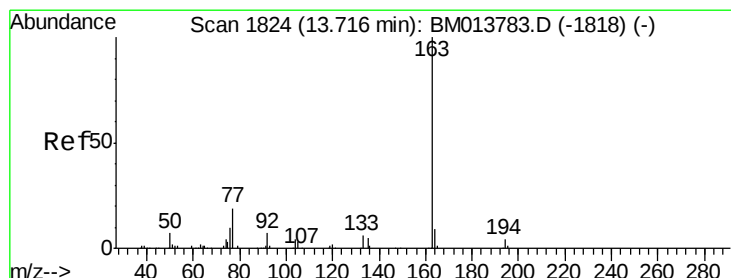
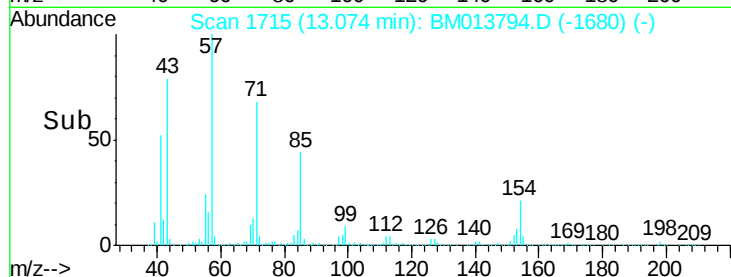
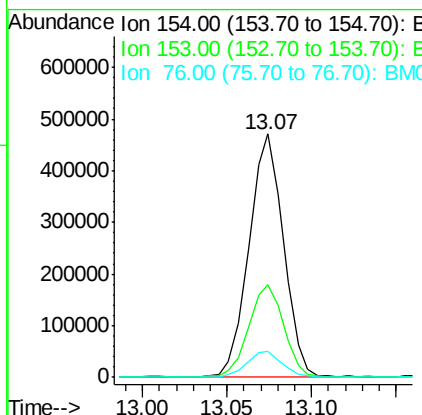
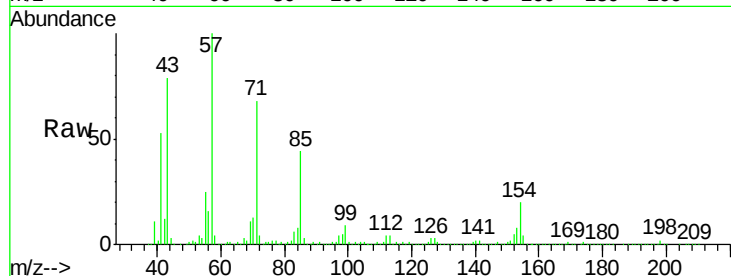




#40
1,1'-Biphenyl
Concen: 16.634 ng/ul
RT: 13.07 min Scan# 1715
Delta R.T. 0.01 min
Lab File: BM013794.D
Acq: 25 Jan 2018 06:45

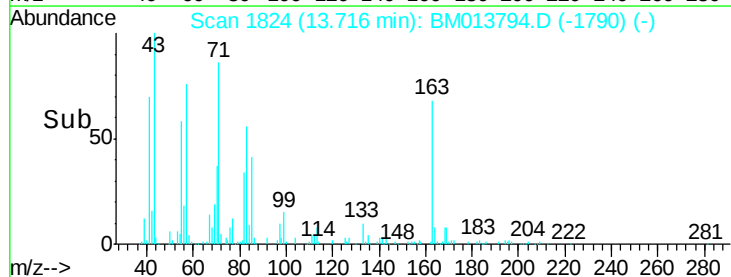
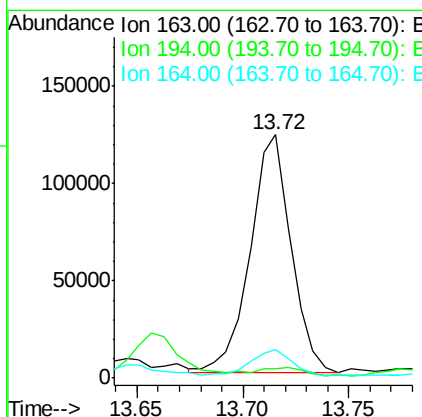
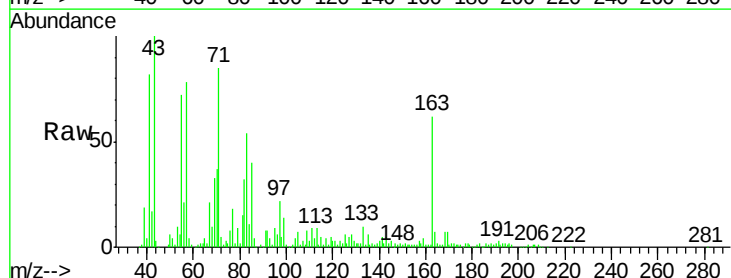
Instrument :
BNA_M
ClientSampleId :
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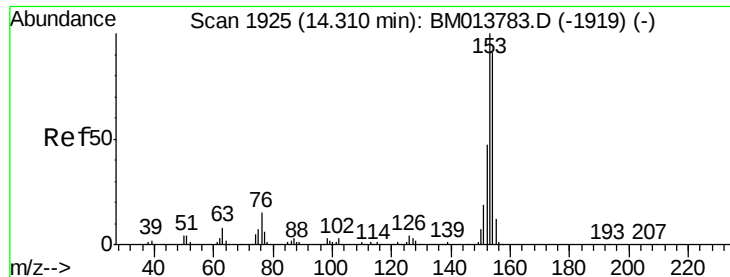
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.0	32.6	48.8
76	10.9	8.5	12.7



#44
Dimethylphthalate
Concen: 4.179 ng/ul
RT: 13.72 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BM013794.D
Acq: 25 Jan 2018 06:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.5	5.3
164	11.5	8.2	12.4





#49

Acenaphthene

Concen: 57.759 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.01 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

Instrument :

BNA_M

ClientSampleId :

F6A80

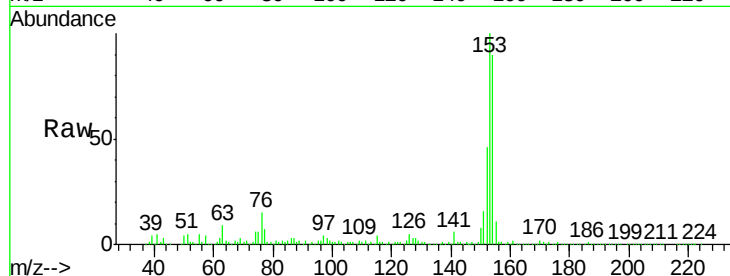
Tot Ion:153 Resp: 1855634

Ion Ratio Lower Upper

153 100

152 46.3 37.6 56.4

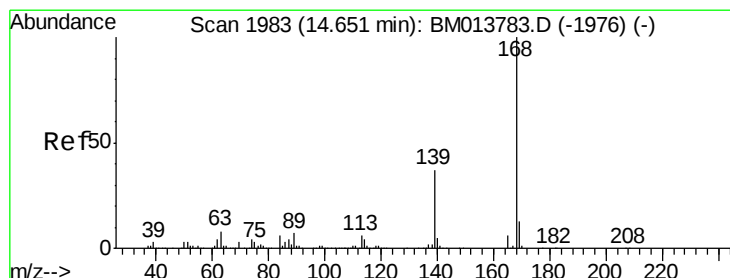
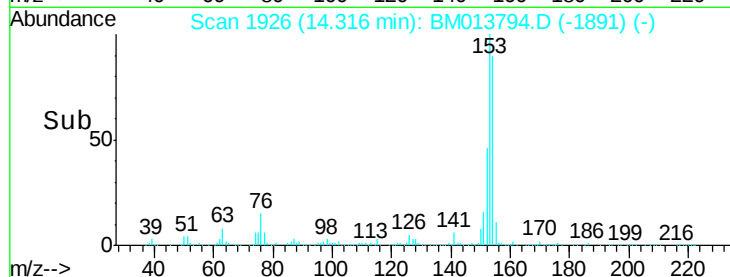
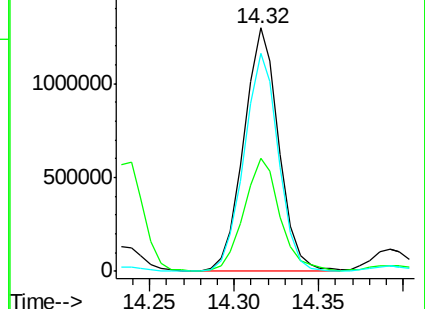
154 89.6 70.4 105.6



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: 39.245 ng/ul

RT: 14.66 min Scan# 1984

Delta R.T. 0.01 min

Lab File: BM013794.D

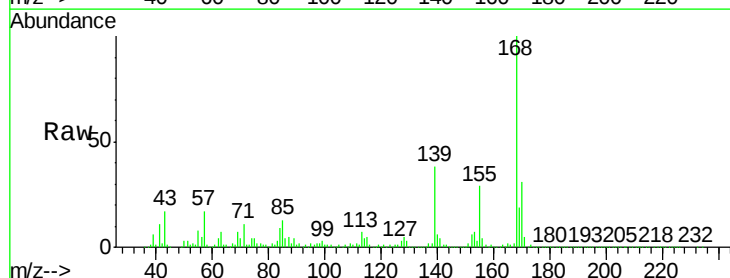
Acq: 25 Jan 2018 06:45

Tgt Ion:168 Resp: 1896762

Ion Ratio Lower Upper

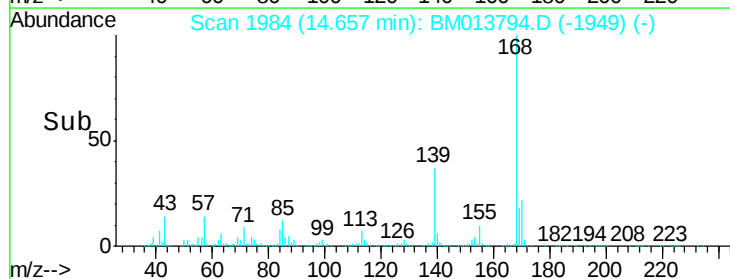
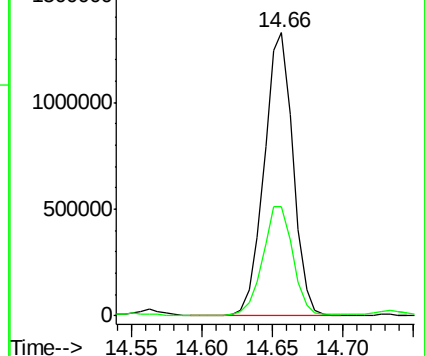
168 100

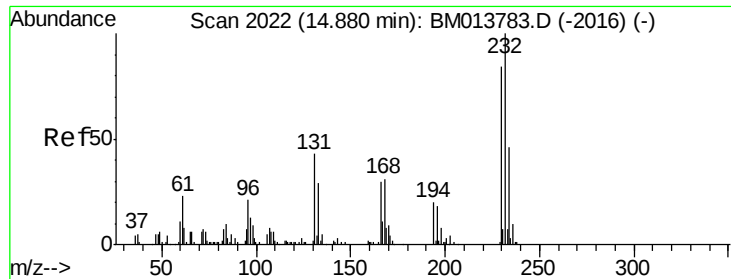
139 38.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#55

2,3,4,6-Tetrachlorophenol

Concen: 90.197 ng/ul

RT: 14.89 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

Instrument :

BNA_M

ClientSampleId :

F6A80

Tot Ion:232 Resp: 913373

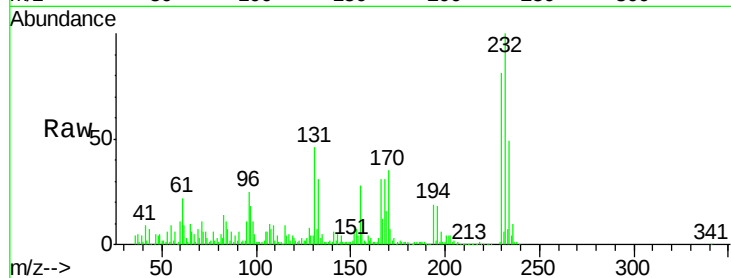
Ion Ratio Lower Upper

232 100

131 45.8 29.0 43.4#

130 3.8 2.0 3.0#

166 30.7 21.4 32.2

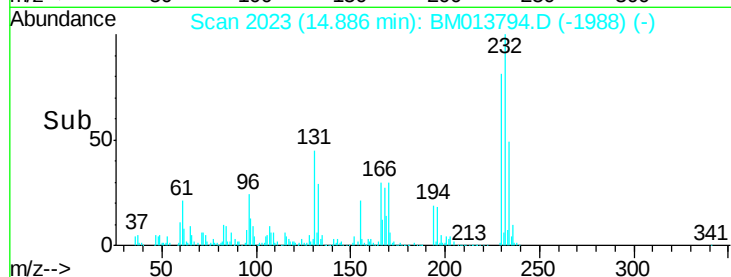


Abundance Ion 232.00 (231.70 to 232.70): E

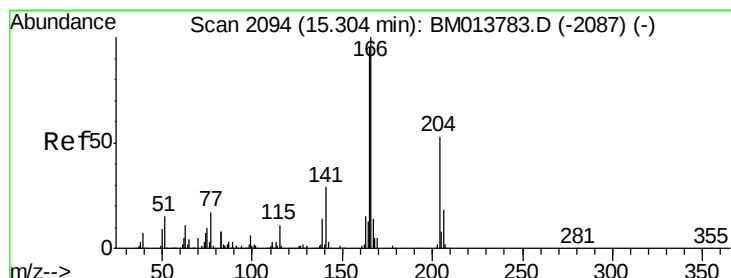
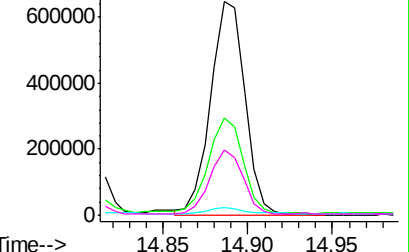
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



Time-->



#58

Fluorene

Concen: 42.467 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

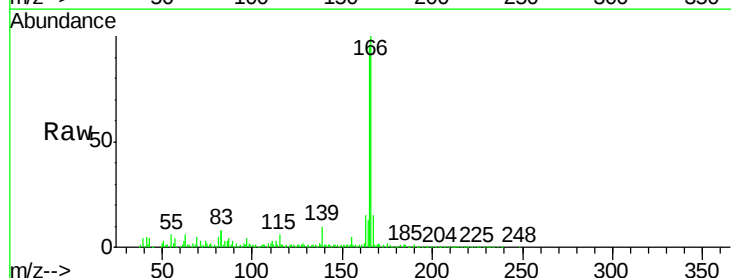
Tgt Ion:166 Resp: 1681303

Ion Ratio Lower Upper

166 100

165 95.7 77.9 116.9

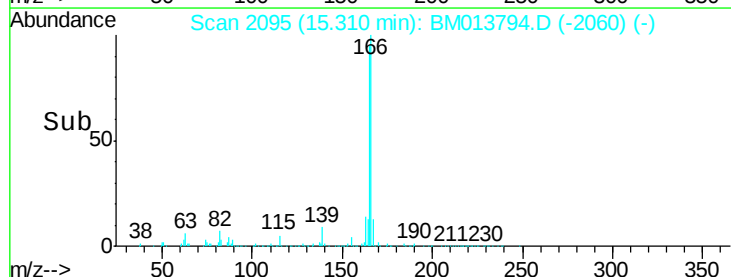
167 14.8 10.6 16.0



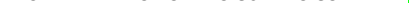
Abundance Ion 166.00 (165.70 to 166.70): E

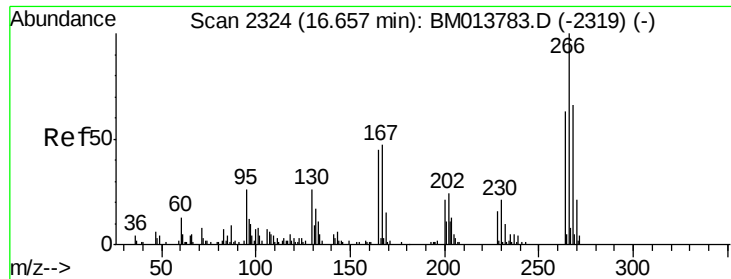
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

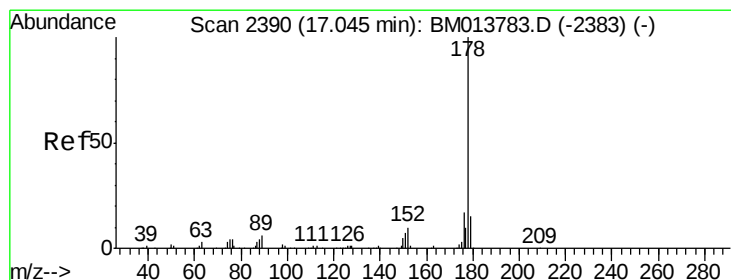
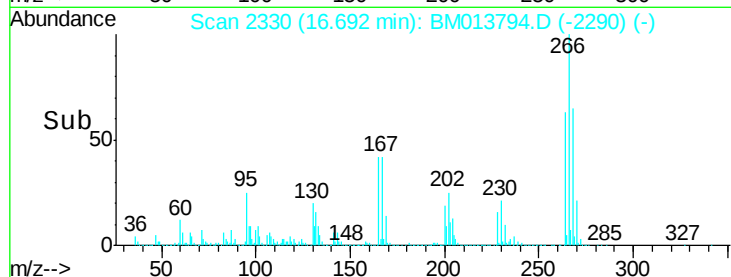
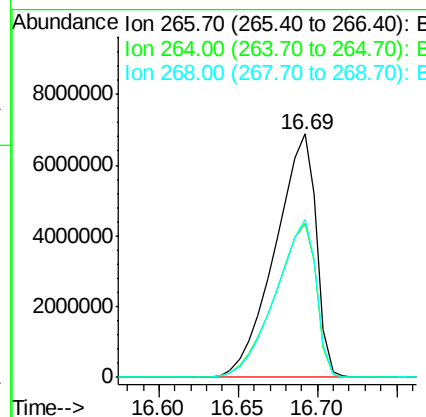
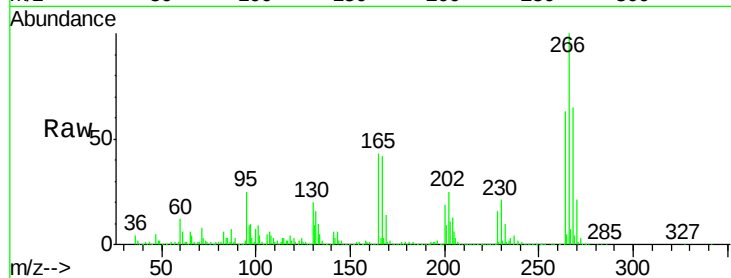




#68
 Pentachlorophenol
 Concen: 2486.527 ng/ul
 RT: 16.69 min Scan# 2330
 Delta R.T. 0.04 min
 Lab File: BM013794.D
 Acq: 25 Jan 2018 06:45

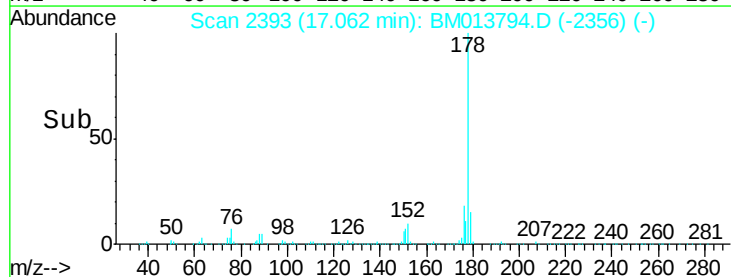
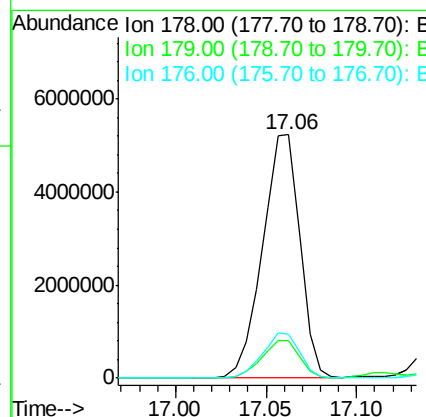
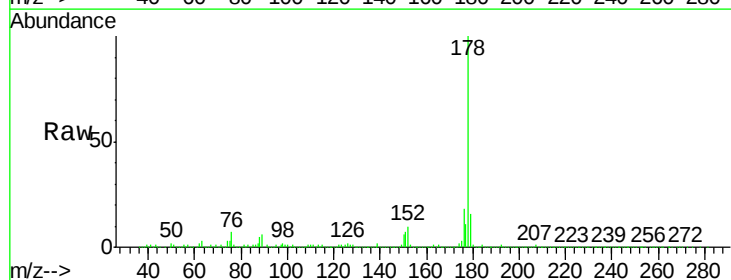
Instrument :
 BNA_M
 ClientSampleId :
 F6A80

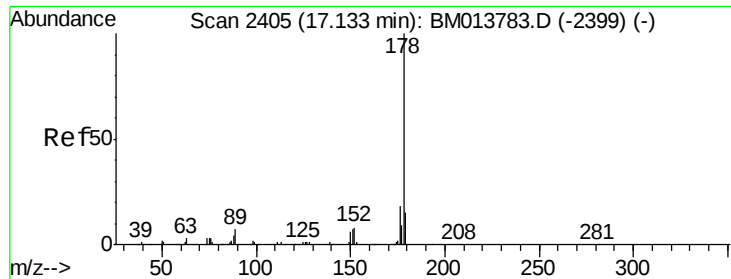
Tot Ion:266 Resp:12389700
 Ion Ratio Lower Upper
 266 100
 264 63.4 49.3 73.9
 268 64.9 52.6 78.8



#69
 Phenanthrene
 Concen: 182.800 ng/ul
 RT: 17.06 min Scan# 2393
 Delta R.T. 0.02 min
 Lab File: BM013794.D
 Acq: 25 Jan 2018 06:45

Tgt Ion:178 Resp: 7494256
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.6 19.0
 176 18.2 14.9 22.3

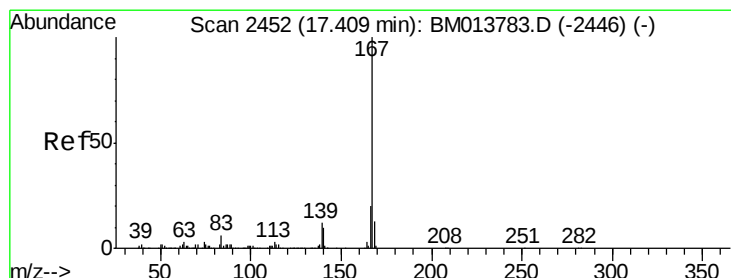
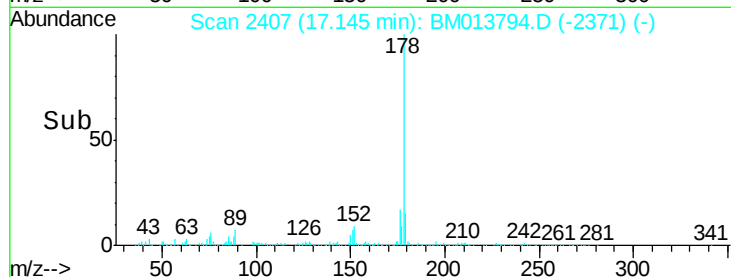
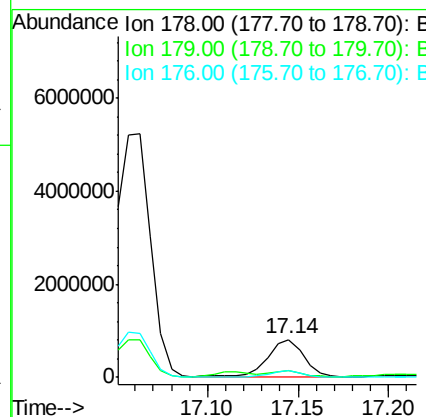
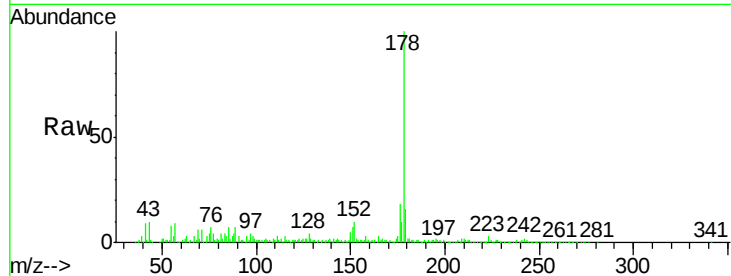




#71
 Anthracene
 Concen: 26.430 ng/ul
 RT: 17.14 min Scan# 2407
 Delta R.T. 0.01 min
 Lab File: BM013794.D
 Acq: 25 Jan 2018 06:45

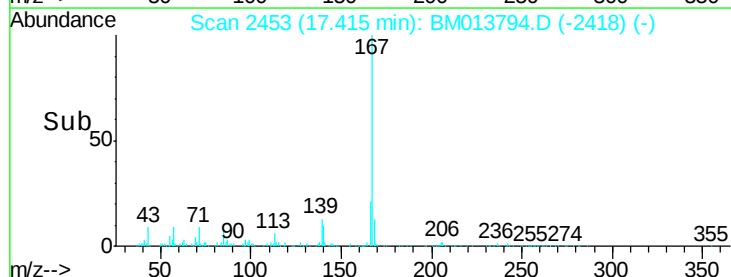
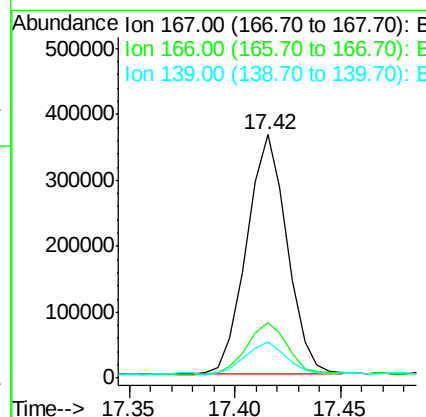
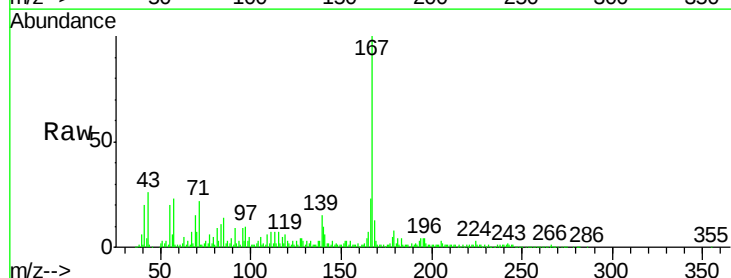
Instrument :
 BNA_M
 ClientSampleId :
 F6A80

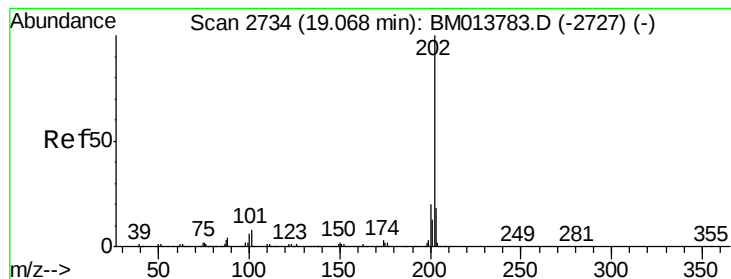
Tot Ion:178 Resp: 1117640
 Ion Ratio Lower Upper
 178 100
 179 16.5 11.7 17.5
 176 17.6 14.6 21.8



#72
 Carbazole
 Concen: 13.870 ng/ul
 RT: 17.42 min Scan# 2453
 Delta R.T. 0.01 min
 Lab File: BM013794.D
 Acq: 25 Jan 2018 06:45

Tgt Ion:167 Resp: 484131
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.1 25.7
 139 14.8 10.0 15.0





#74

Fluoranthene

Concen: 59.122 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. 0.01 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

Instrument :

BNA_M

ClientSampleId :

F6A80

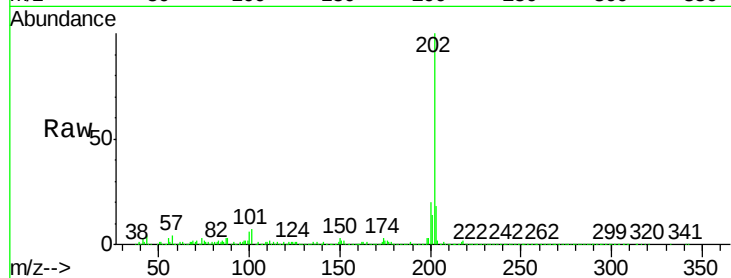
Tot Ion:202 Resp: 2893281

Ion Ratio Lower Upper

202 100

101 7.3 4.6 7.0#

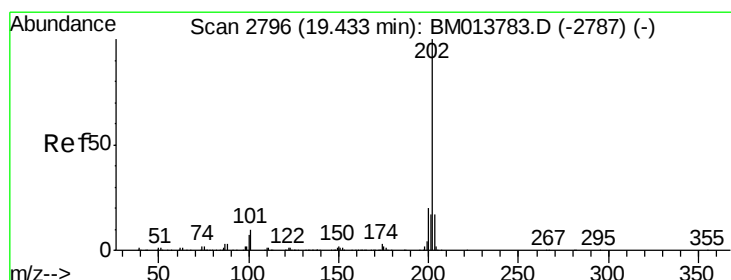
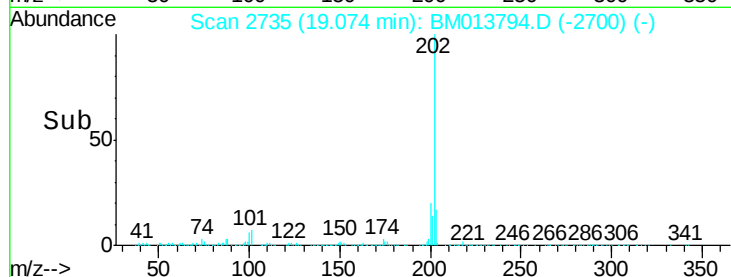
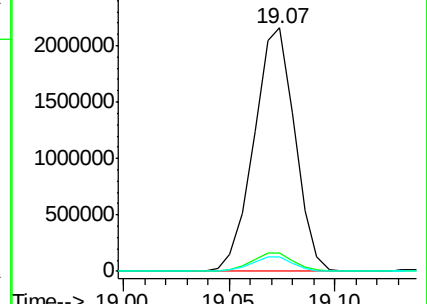
100 6.0 3.4 5.2#



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: 46.070 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

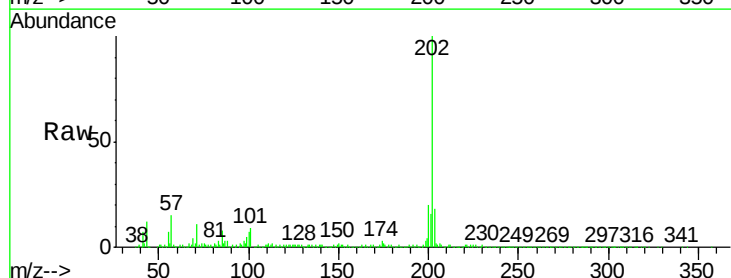
Tgt Ion:202 Resp: 2114811

Ion Ratio Lower Upper

202 100

101 8.5 5.1 7.7#

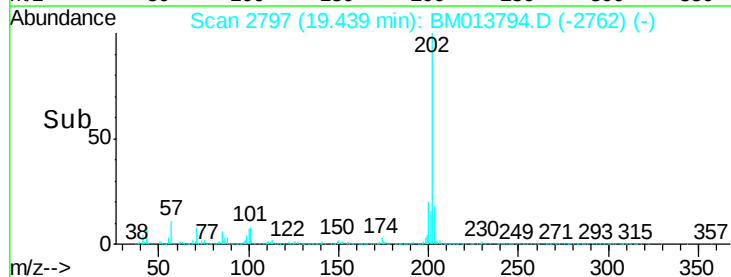
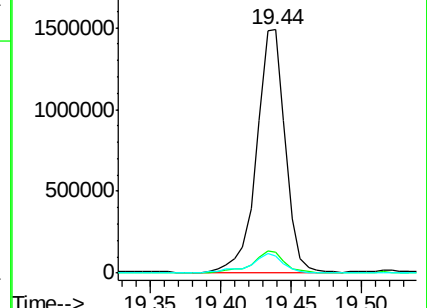
100 6.8 4.9 7.3

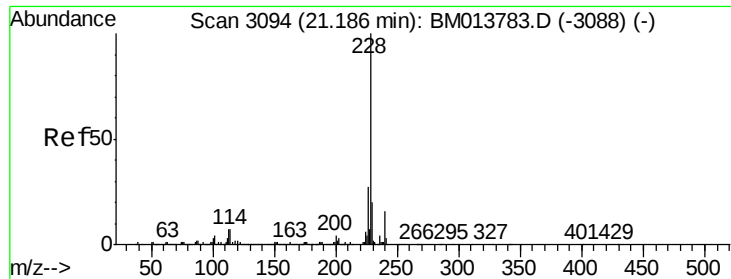


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 7.320 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

Instrument :

BNA_M

ClientSampleId :

F6A80

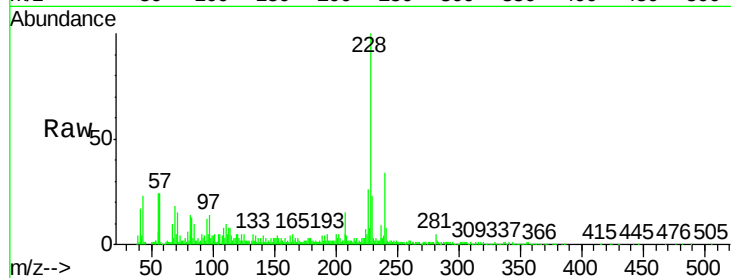
Tot Ion:228 Resp: 334005

Ion Ratio Lower Upper

228 100

229 22.8 15.4 23.0

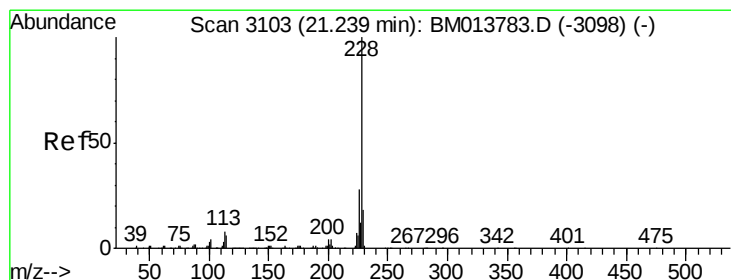
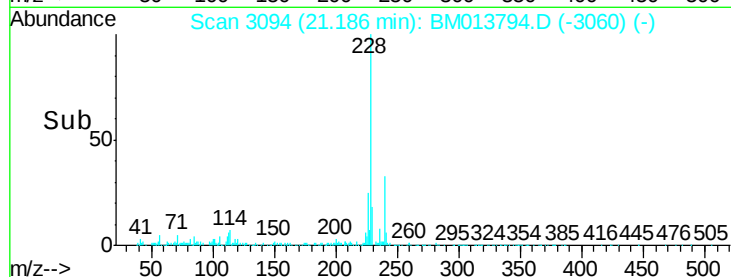
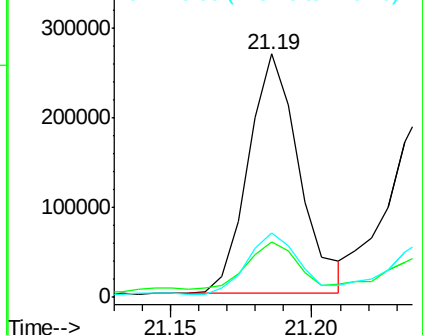
226 26.4 21.4 32.0



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: 6.711 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

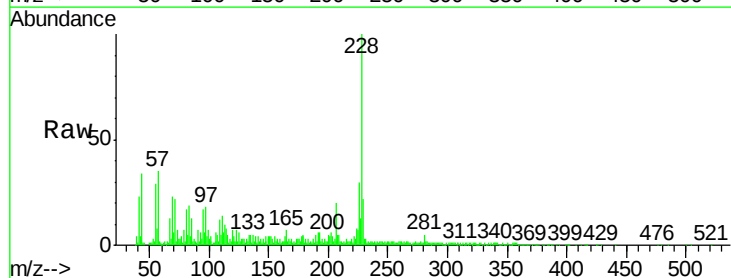
Tgt Ion:228 Resp: 280904

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

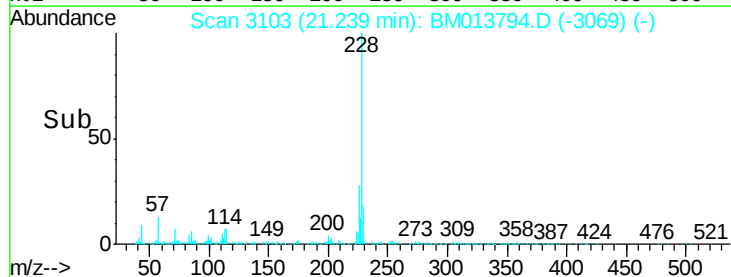
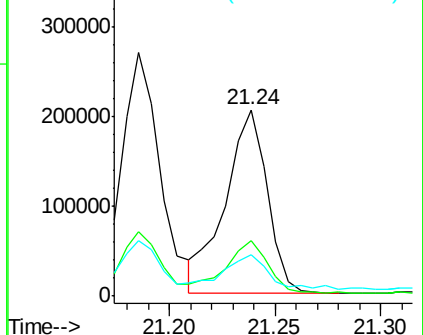
229 21.9 15.5 23.3

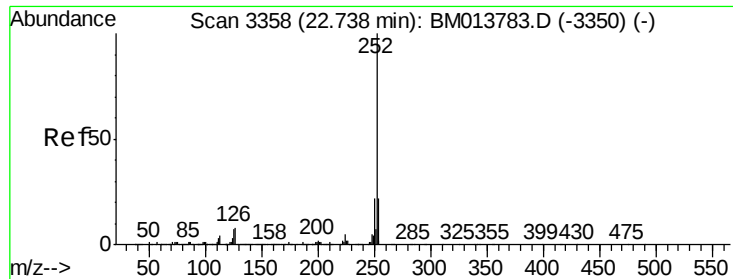


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.378 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

Instrument :

BNA_M

ClientSampleId :

F6A80

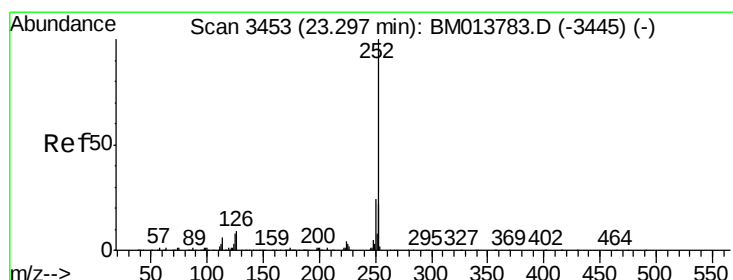
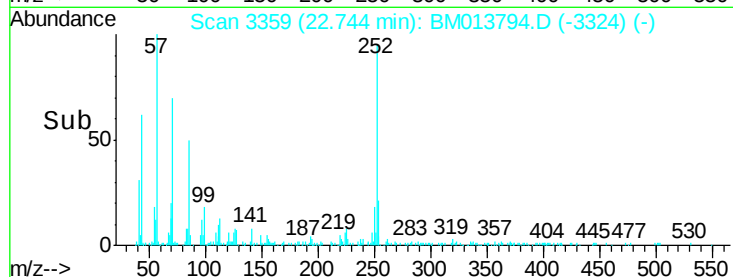
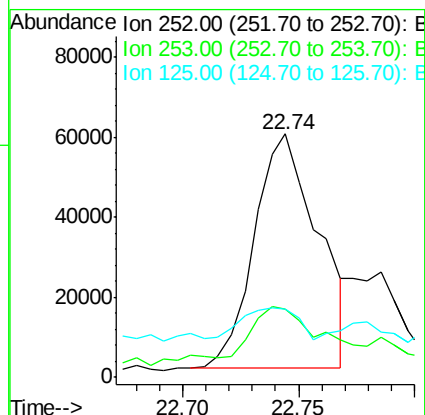
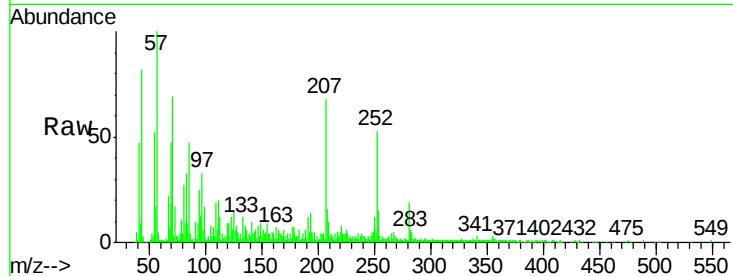
Tot Ion:252 Resp: 112263

Ion Ratio Lower Upper

252 100

253 28.3 17.9 26.9#

125 28.0 3.6 5.4#



#88

Benzo(a)pyrene

Concen: 1.410 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. 0.01 min

Lab File: BM013794.D

Acq: 25 Jan 2018 06:45

Tgt Ion:252 Resp: 62890

Ion Ratio Lower Upper

252 100

253 37.4 18.2 27.2#

125 30.7 4.0 6.0#

