

Data File : BM013947.D

Acq On : 29 Jan 2018 06:00

Operator : SJ/JU

Sample : J1243-10

Misc :

ALS Vial : 29 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F6B33

Quant Time: Jan 29 07:14:37 2018

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jan 29 04:03:39 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	194252	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	742654	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.23	164	637284	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	797891	20.00	ng/ul	0.01
75) Chrysene-d12	21.20	240	863647	20.00	ng/ul	0.01
83) Perylene-d12	23.38	264	870156	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	14884	3.03	ng/uL	0.00
5) Phenol-d5	6.77	99	367352	24.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	232090	25.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	316536	26.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	281752	24.58	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	159503	27.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	173911	28.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	327366	27.83	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	180975	17.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	873645	16.63	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1061549	15.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	104259	12.21	ng/ul	0.01
57) Fluorene-d10	15.23	176	713785	15.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	95816	19.95	ng/ul	0.04
70) Anthracene-d10	17.12	188	1101041	28.33	ng/ul	0.04
76) Pyrene-d10	19.40	212	1269579	31.57	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.24	264	1173904	29.35	ng/ul	0.01

Target Compounds

						Qvalue
6) Phenol	6.79	94	56158	3.75	ng/ul#	85
17) Hexachloroethane	8.67	117	67799	11.50	ng/ul#	1
30) 4-Chloroaniline	10.45	127	9822006	970.56	ng/ul#	18
32) Caprolactam	11.37	113	37039	11.74	ng/ul#	75
40) 1,1'-Biphenyl	13.06	154	7203655	135.80	ng/ul	99
44) Dimethylphthalate	13.70	163	198521	3.84	ng/ul	98
47) Acenaphthylene	13.96	152	209000	3.41	ng/ul#	60
49) Acenaphthene	14.32	153	17446049	411.05	ng/ul#	86
53) Dibenzofuran	14.55	168	262809	4.12	ng/ul#	58
54) 2,4-Dinitrotoluene	14.64	165	36632	2.51	ng/ul#	1
55) 2,3,4,6-Tetrachlorophenol	14.88	232	79413	5.94	ng/ul#	85
58) Fluorene	15.30	166	15084409	288.41	ng/ul	97
60) 4-Nitroaniline	15.31	138	195006	21.18	ng/ul#	15
63) 4,6-Dinitro-2-methylphenol	15.42	198	5544	1.09	ng/ul#	1
64) N-Nitrosodiphenylamine	15.50	169	87993	3.75	ng/ul#	1
68) Pentachlorophenol	16.67	266	920151	170.70	ng/ul	98
69) Phenanthrene	17.15	178	10816829	243.89	ng/ul	97
71) Anthracene	17.15	178	10816829	236.45	ng/ul	95
72) Carbazole	17.41	167	4318735	114.37	ng/ul	99
74) Fluoranthene	18.96	202	91866	1.74	ng/ul#	38
80) Benzo(a)anthracene	21.18	228	5459464	104.62	ng/ul	99
82) Chrysene	21.23	228	3906940	81.61	ng/ul	98
85) Benzo(b)fluoranthene	22.73	252	2202616	41.22	ng/ul#	99

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012818\
Quantitation Report (Not Reviewed)

Data File : BM013947.D
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Benzo(k)fluoranthene	22.73	252	2202616	42.64	ng/ul#	97
88) Benzo(a)pyrene	23.29	252	1271428	25.19	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.56	276	383476	6.44	ng/ul	97
90) Dibenzo(a,h)anthracene	25.55	278	113071	2.25	ng/ul#	95
91) Benzo(g,h,i)perylene	26.23	276	226056	4.61	ng/ul	94

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

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ClientSampleId :

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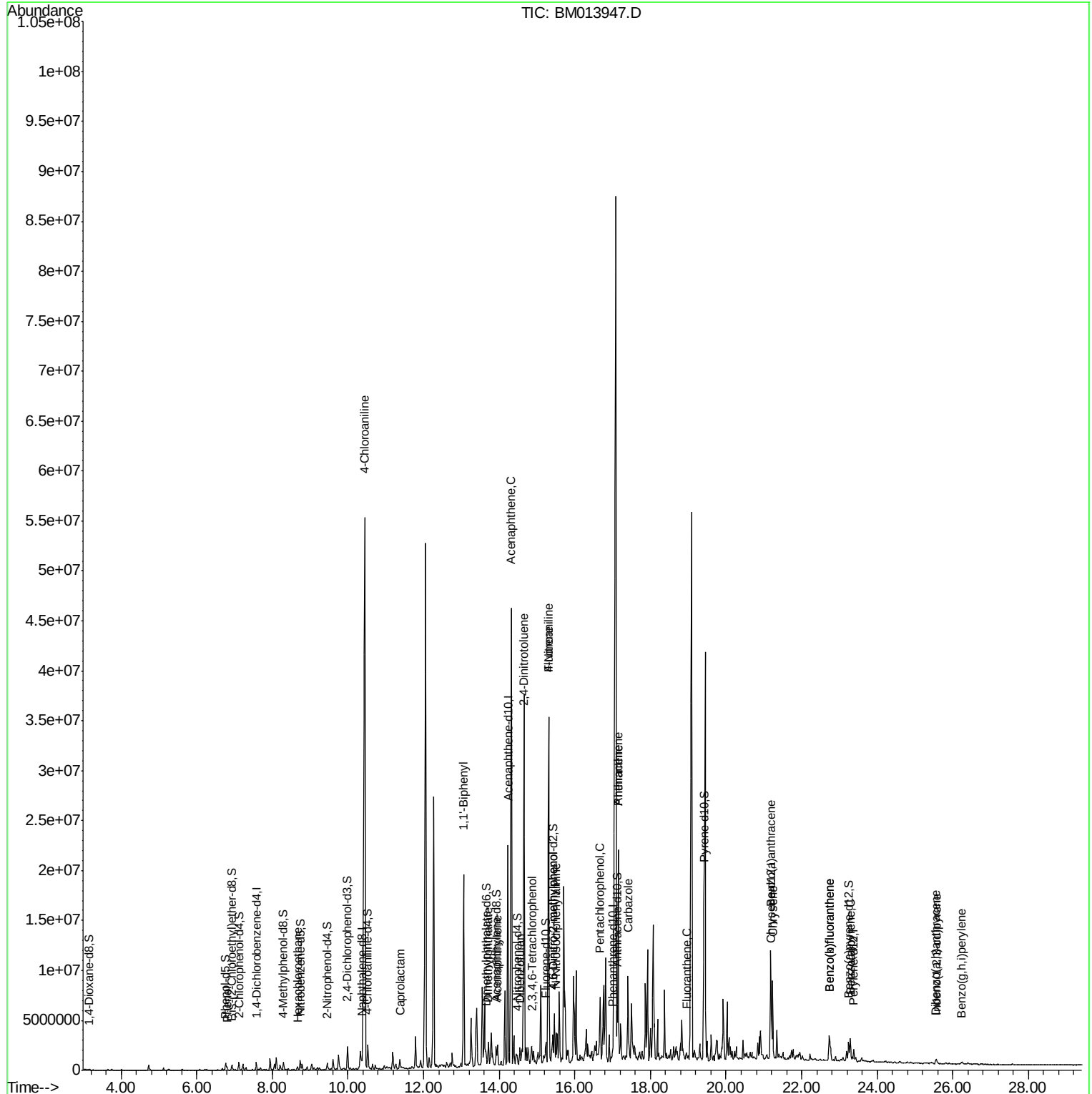
Quant Time: Jan 29 07:14:37 2018

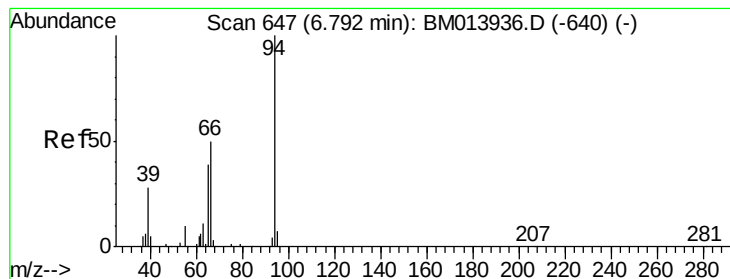
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jan 29 04:03:39 2018

Response via : Initial Calibration





#6

Phenol

Concen: 3.75 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampleId :

F6B33

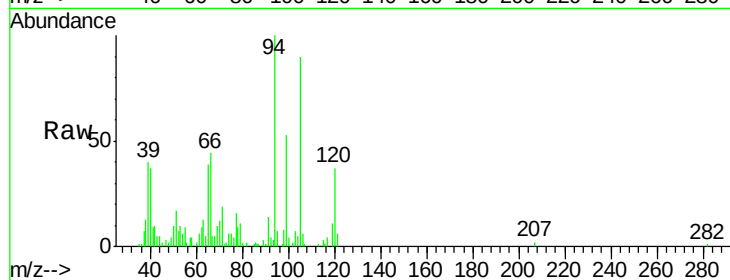
Tgt Ion: 94 Resp: 56158

Ion Ratio Lower Upper

94 100

65 38.7 28.2 42.4

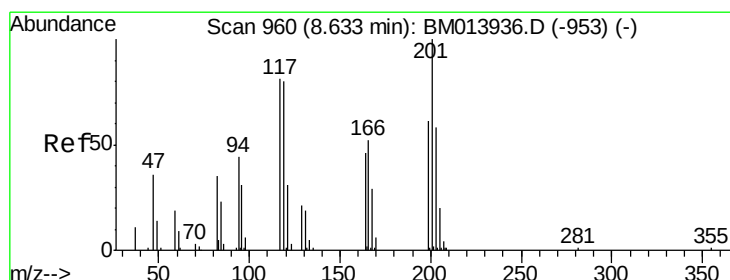
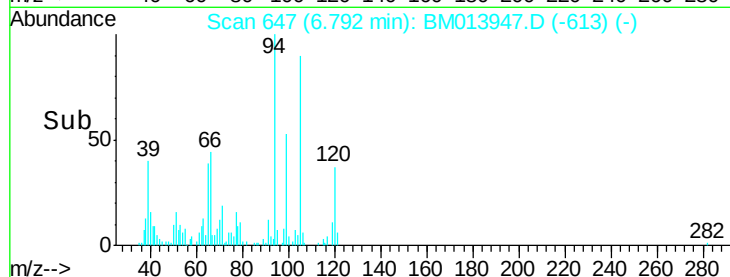
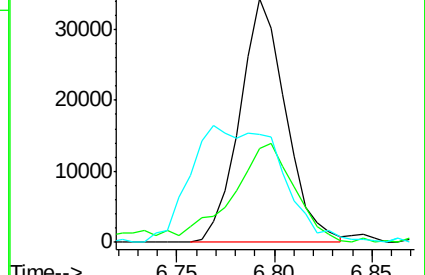
66 44.1 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM013947.D (-613) (-)

Ion 65.00 (64.70 to 65.70): BM013947.D (-613) (-)

Ion 66.00 (65.70 to 66.70): BM013947.D (-613) (-)



#17

Hexachloroethane

Concen: 11.50 ng/ul

RT: 8.67 min Scan# 966

Delta R.T. 0.04 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

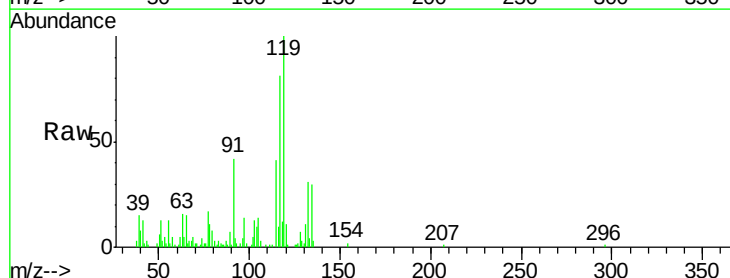
Tgt Ion: 117 Resp: 67799

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

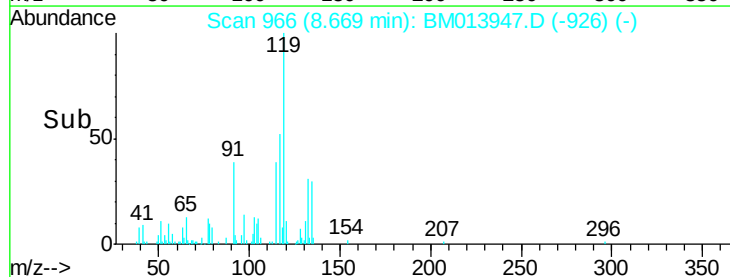
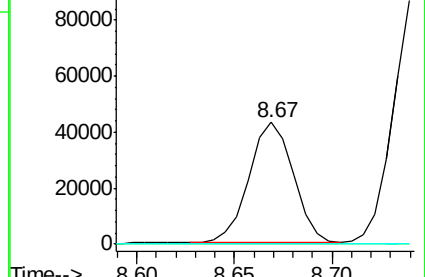
199 0.0 67.8 101.6#

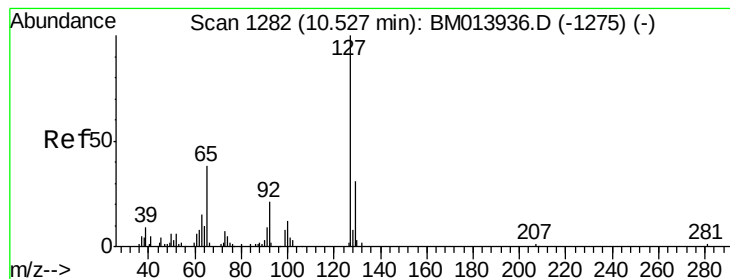


Abundance Ion 117.00 (116.70 to 117.70): BM013947.D (-926) (-)

Ion 201.00 (200.70 to 201.70): BM013947.D (-926) (-)

Ion 199.00 (198.70 to 199.70): BM013947.D (-926) (-)





#30

4-Chloroaniline

Concen: 970.56 ng/ul

RT: 10.45 min Scan# 1268

Delta R.T. -0.08 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampleId :

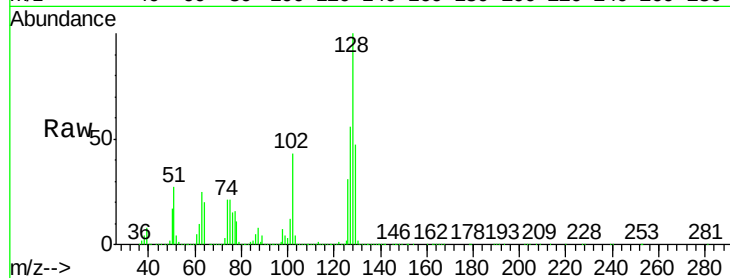
F6B33

Tgt Ion:127 Resp: 9822006

Ion Ratio Lower Upper

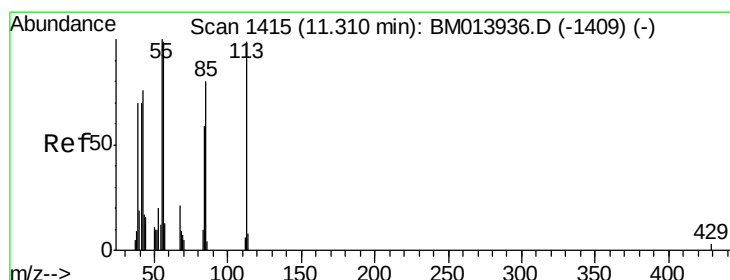
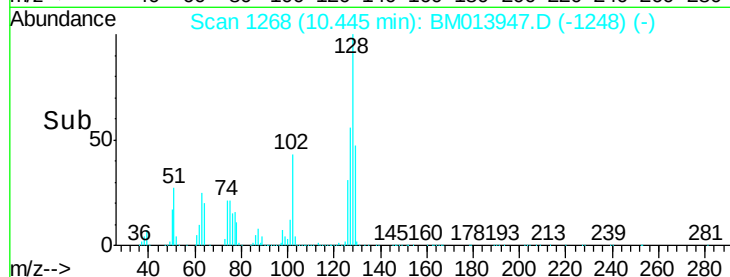
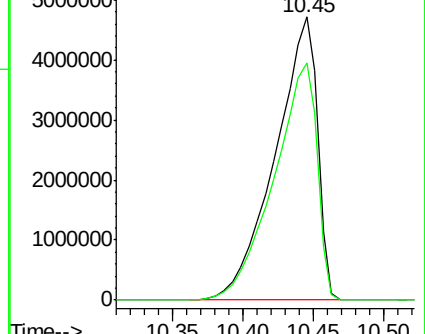
127 100

129 83.6 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#32

Caprolactam

Concen: 11.74 ng/ul

RT: 11.37 min Scan# 1426

Delta R.T. 0.06 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

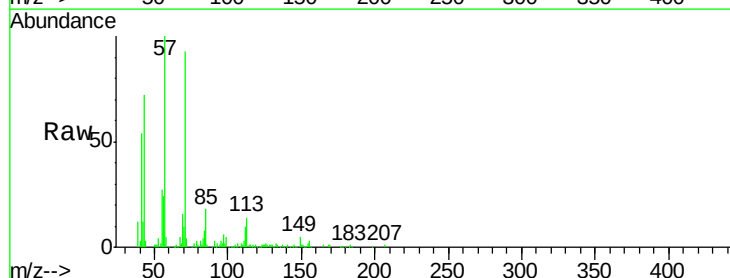
Tgt Ion:113 Resp: 37039

Ion Ratio Lower Upper

113 100

55 199.9 208.0 312.0#

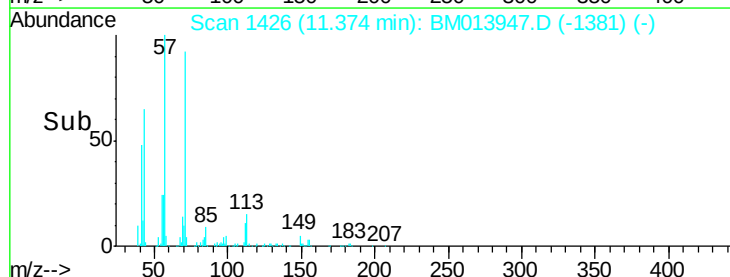
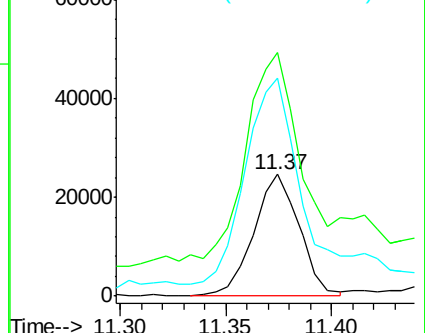
56 179.4 160.0 240.0

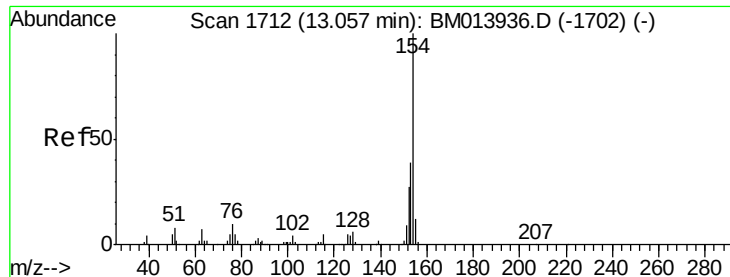


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0

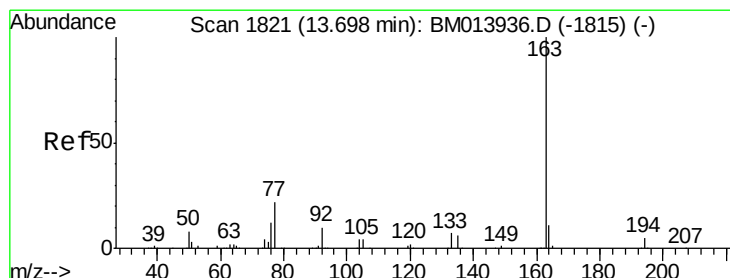
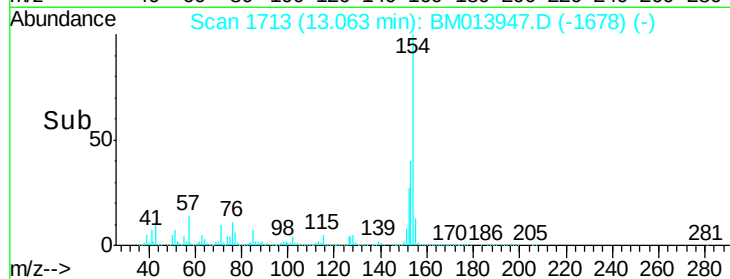
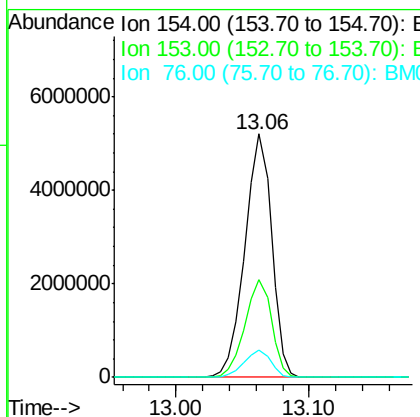
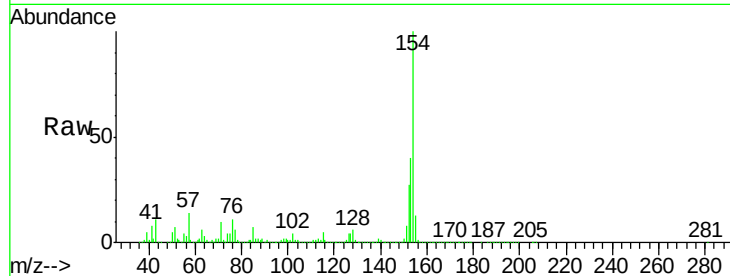




#40
1,1'-Biphenyl
Concen: 135.80 ng/ul
RT: 13.06 min Scan# 1713
Delta R.T. 0.01 min
Lab File: BM013947.D
Acq: 29 Jan 2018 06:00

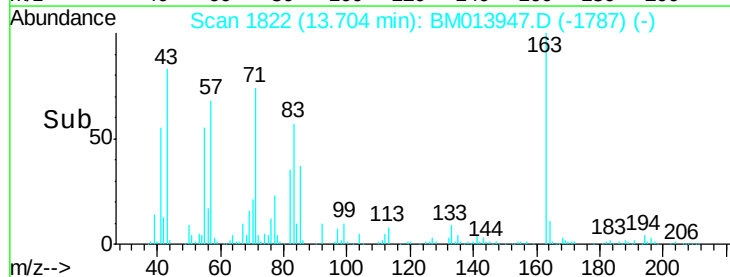
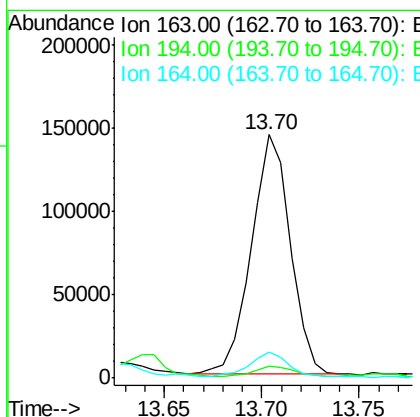
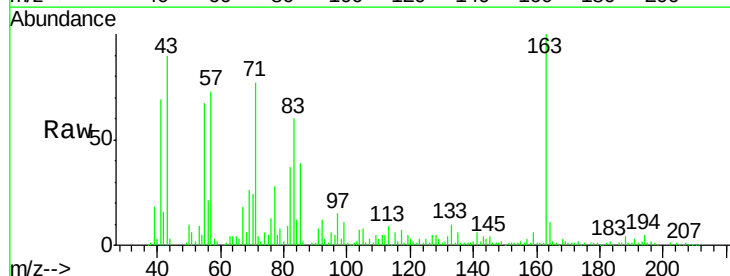
Instrument :
BNA_M
ClientSampleId :
F6B33

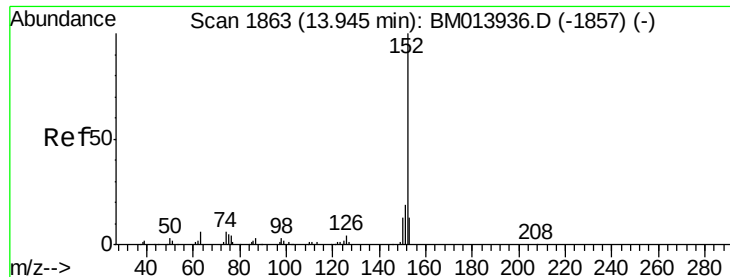
Tgt Ion:154 Resp: 7203655
Ion Ratio Lower Upper
154 100
153 40.2 32.6 48.8
76 11.3 8.5 12.7



#44
Dimethylphthalate
Concen: 3.84 ng/ul
RT: 13.70 min Scan# 1822
Delta R.T. 0.01 min
Lab File: BM013947.D
Acq: 29 Jan 2018 06:00

Tgt Ion:163 Resp: 198521
Ion Ratio Lower Upper
163 100
194 4.9 3.5 5.3
164 10.9 8.2 12.4





#47

Acenaphthylene

Concen: 3.41 ng/ul

RT: 13.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampleId :

F6B33

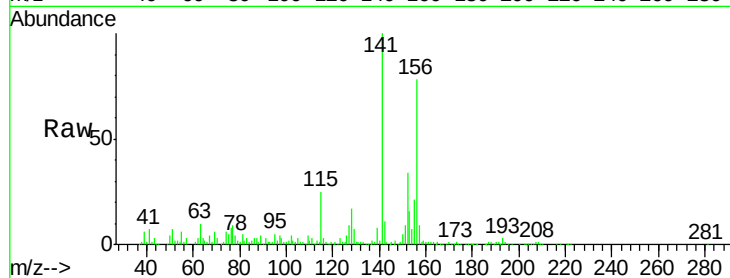
Tgt Ion:152 Resp: 209000

Ion Ratio Lower Upper

152 100

151 26.2 16.3 24.5#

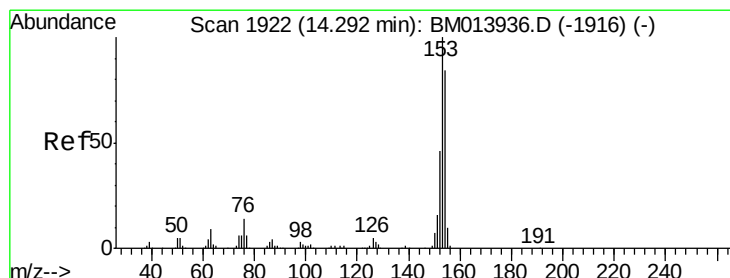
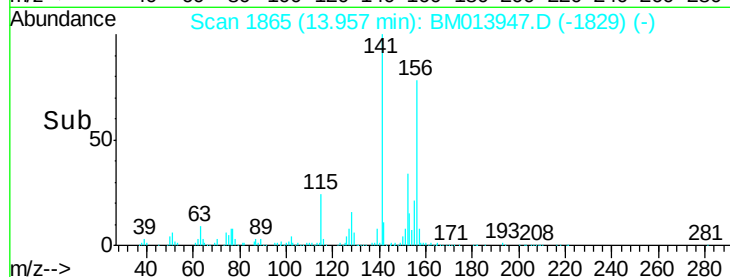
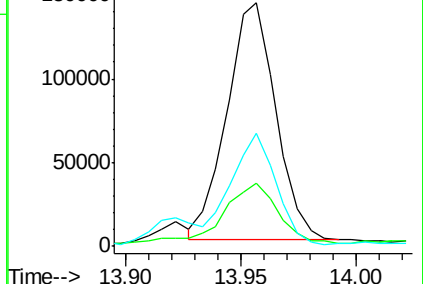
153 46.2 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 411.05 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

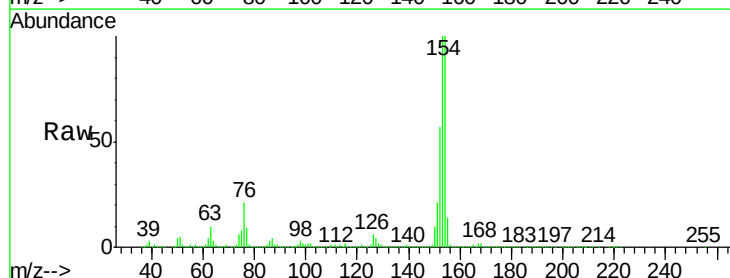
Tgt Ion:153 Resp:17446049

Ion Ratio Lower Upper

153 100

152 57.4 37.6 56.4#

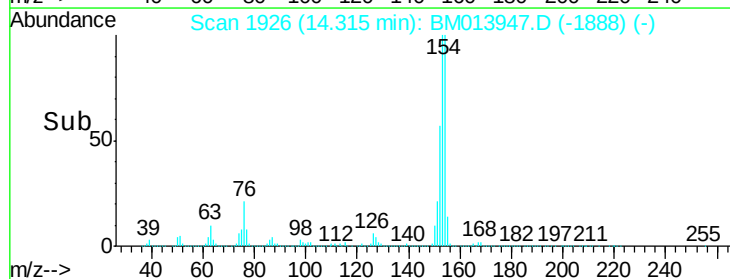
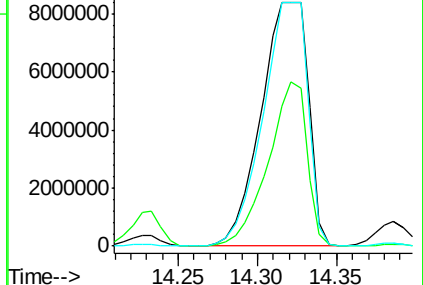
154 100.0 70.4 105.6

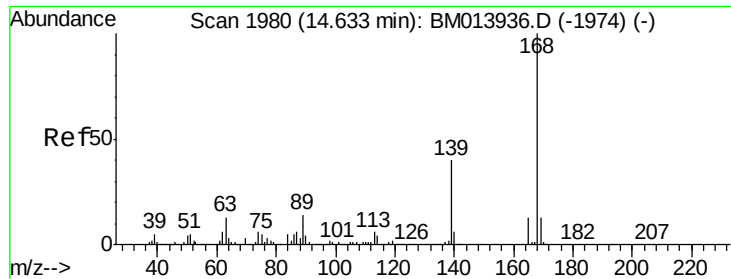


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzo(furan)

Concen: 4.12 ng/ul

RT: 14.55 min Scan# 1966

Delta R.T. -0.08 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

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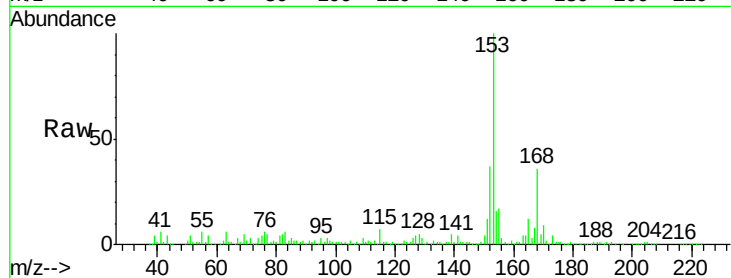
F6B33

Tgt Ion:168 Resp: 262809

Ion Ratio Lower Upper

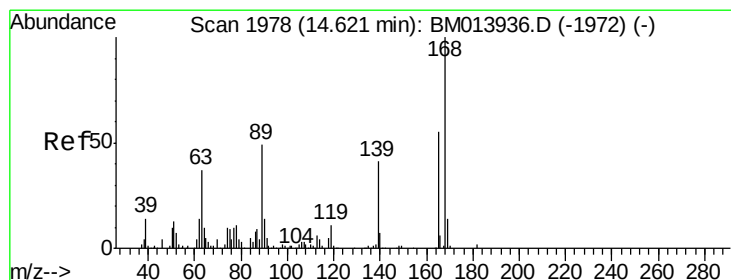
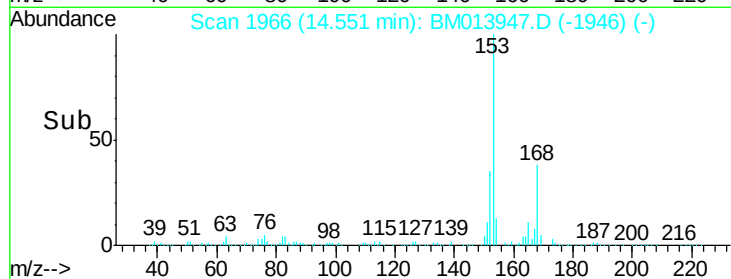
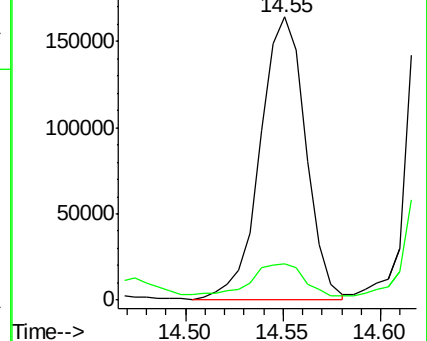
168 100

139 12.9 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 2.51 ng/ul

RT: 14.64 min Scan# 1982

Delta R.T. 0.02 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

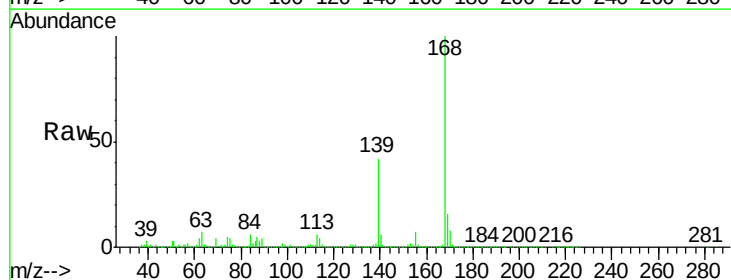
Tgt Ion:165 Resp: 36632

Ion Ratio Lower Upper

165 100

63 1615.8 45.8 68.8#

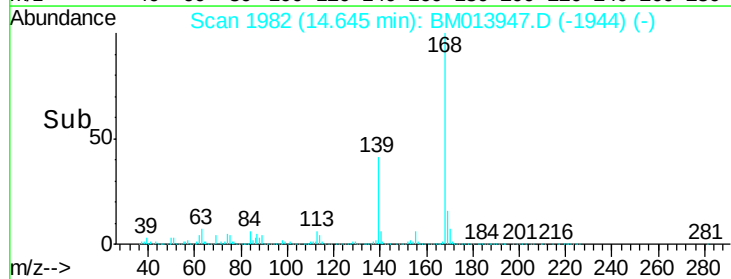
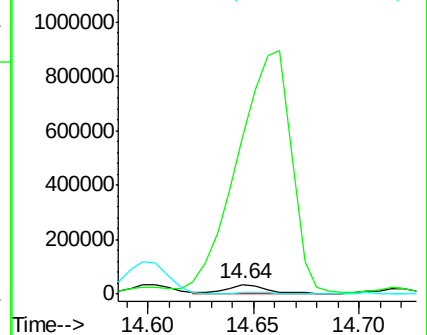
182 11.4 2.6 4.0#

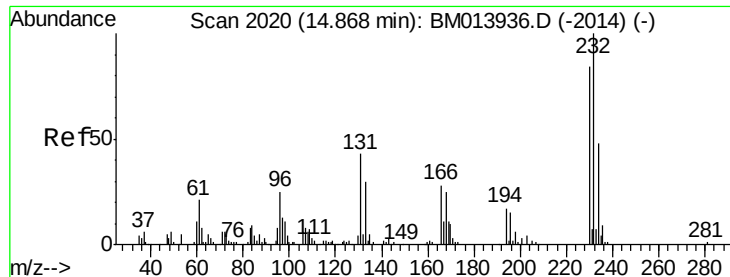


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E





#55

2,3,4,6-Tetrachlorophenol

Concen: 5.94 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

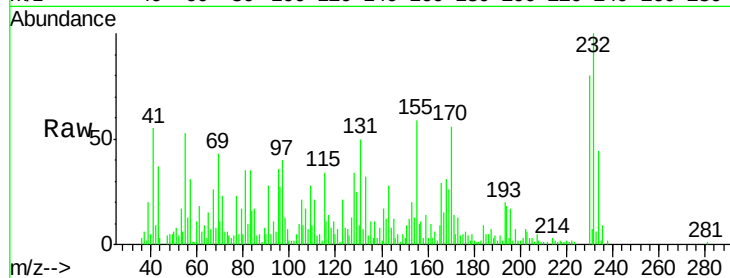
Instrument :

BNA_M

ClientSampleId :

F6B33

Tgt Ion:	232	Resp:	79413
Ion	Ratio	Lower	Upper
232	100		
131	49.8	29.0	43.4#
130	8.9	2.0	3.0#
166	28.8	21.4	32.2

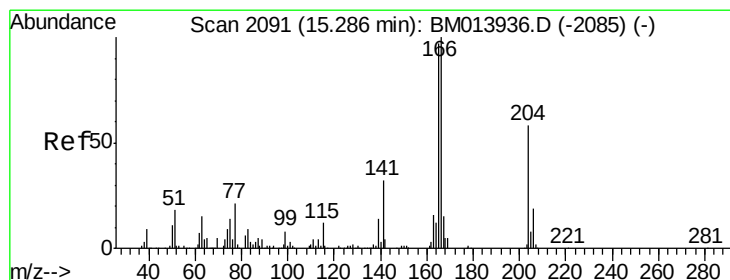
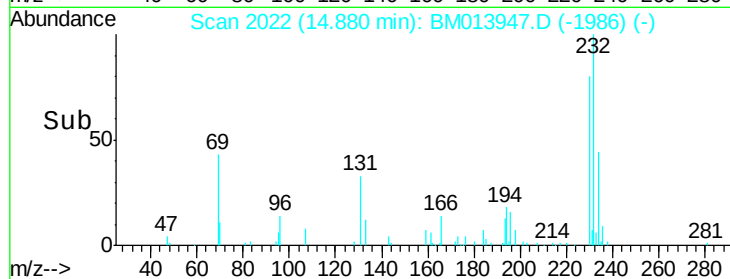
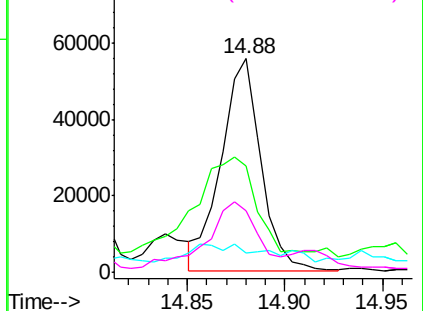


Abundance Ion 232.00 (231.70 to 232.70): E

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



#58

Fluorene

Concen: 288.41 ng/ul

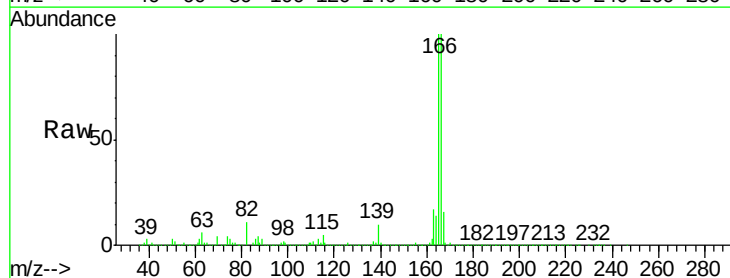
RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

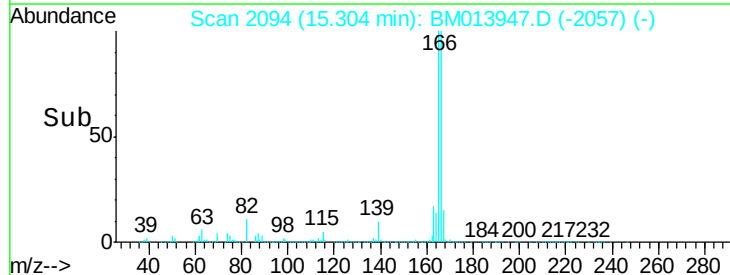
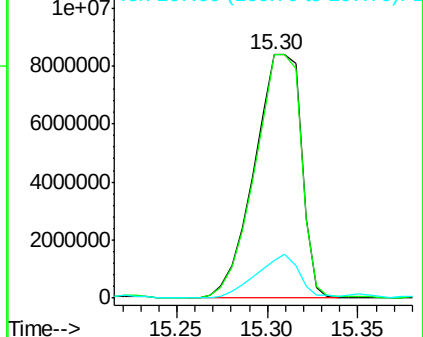
Tgt Ion:	166	Resp:	15084409
Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.9	116.9
167	15.6	10.6	16.0

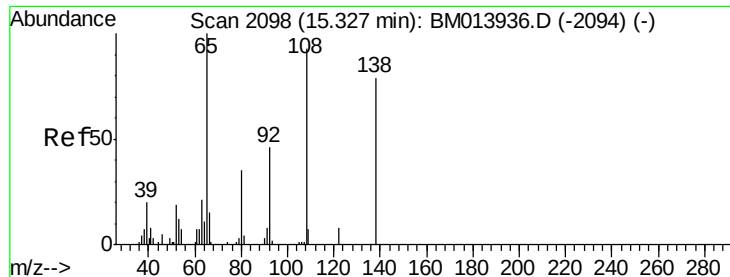


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

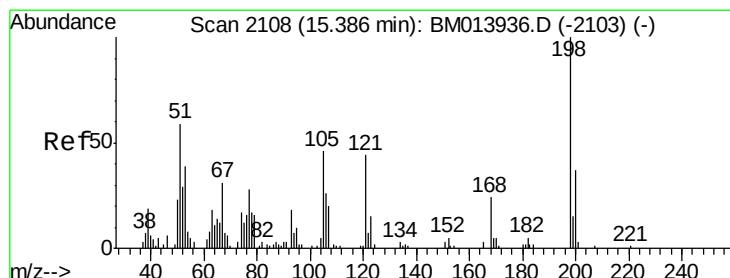
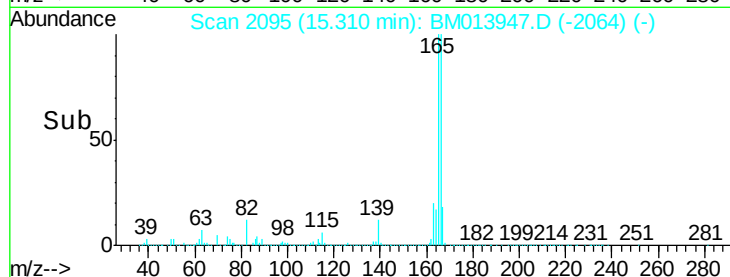
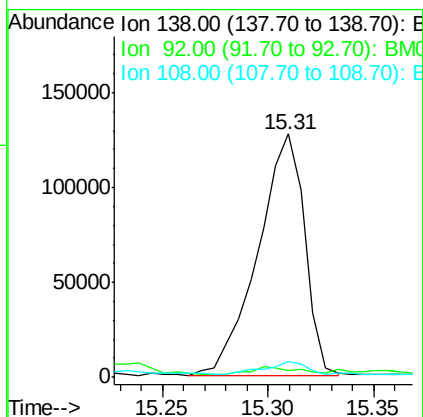
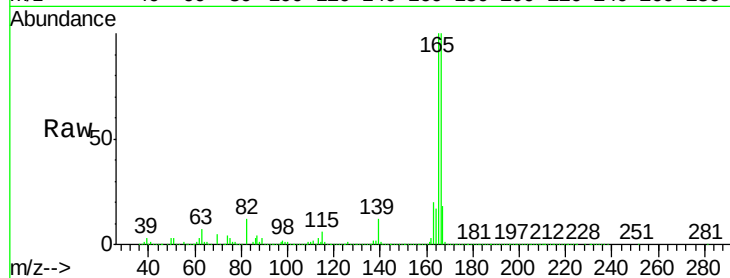




#60
4-Nitroaniline
Concen: 21.18 ng/ul
RT: 15.31 min Scan# 2095
Delta R.T. -0.02 min
Lab File: BM013947.D
Acq: 29 Jan 2018 06:00

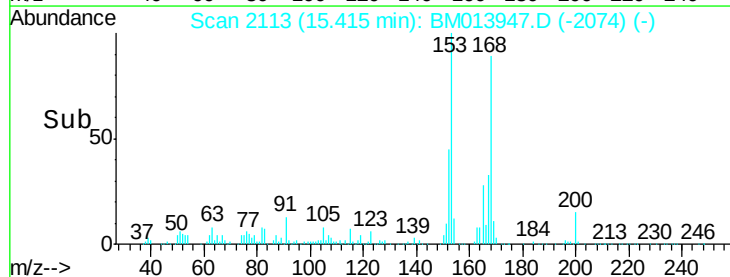
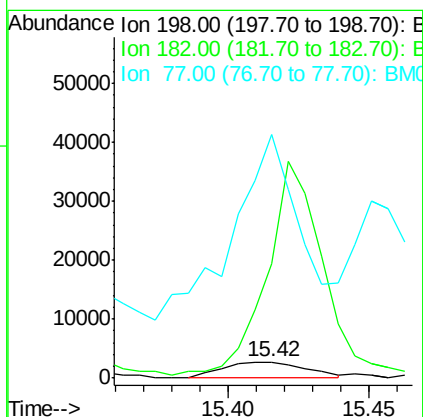
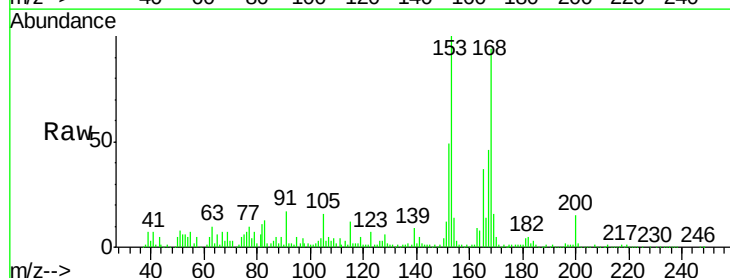
Instrument :
BNA_M
ClientSampleId :
F6B33

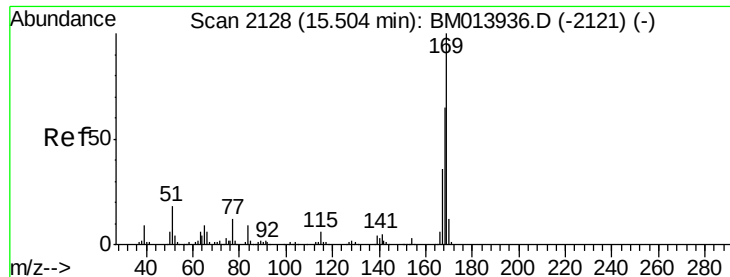
Tgt Ion:138 Resp: 195006
Ion Ratio Lower Upper
138 100
92 3.0 40.0 60.0#
108 6.5 80.0 120.0#



#63
4,6-Dinitro-2-methylphenol
Concen: 1.09 ng/ul
RT: 15.42 min Scan# 2113
Delta R.T. 0.03 min
Lab File: BM013947.D
Acq: 29 Jan 2018 06:00

Tgt Ion:198 Resp: 5544
Ion Ratio Lower Upper
198 100
182 708.3 3.8 5.6#
77 1513.6 25.2 37.8#





#64

N-Nitrosodiphenylamine

Concen: 3.75 ng/ul

RT: 15.50 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampleId :

F6B33

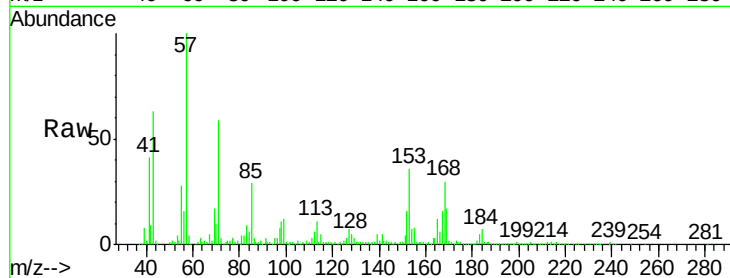
Tgt Ion:169 Resp: 87993

Ion Ratio Lower Upper

169 100

168 177.4 54.0 81.0#

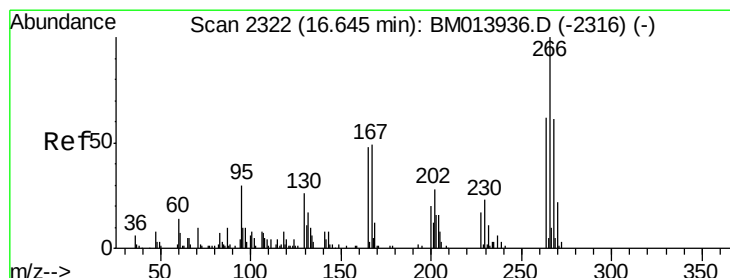
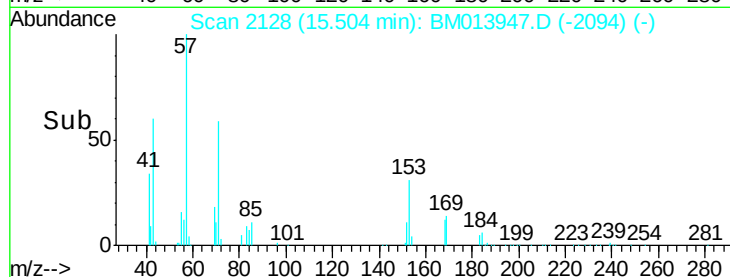
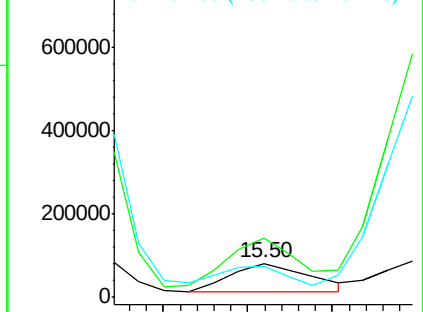
167 92.6 29.1 43.7#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Pentachlorophenol

Concen: 170.70 ng/ul

RT: 16.67 min Scan# 2327

Delta R.T. 0.03 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

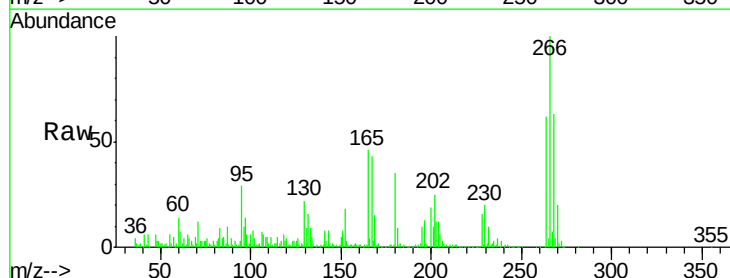
Tgt Ion:266 Resp: 920151

Ion Ratio Lower Upper

266 100

264 62.1 49.3 73.9

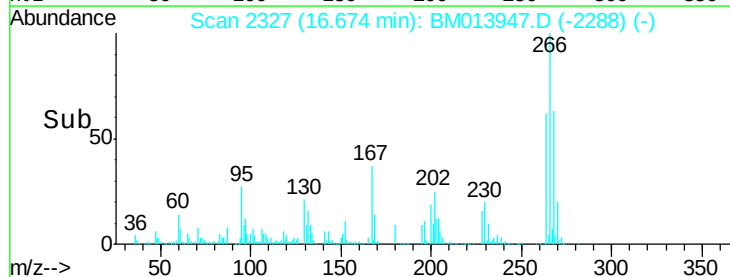
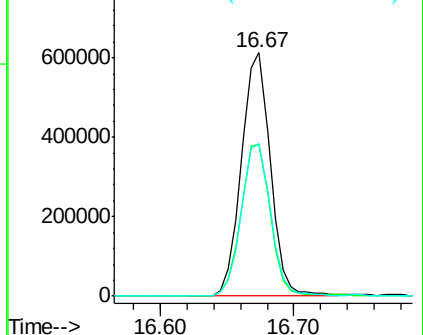
268 62.7 52.6 78.8

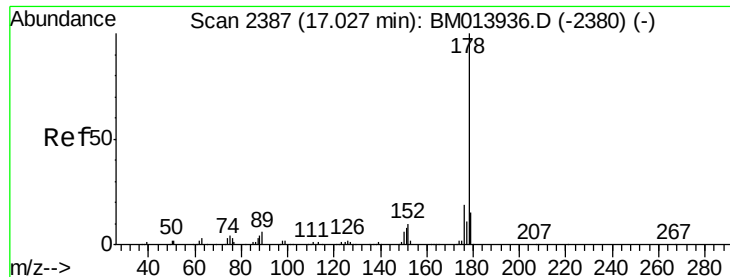


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 243.89 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.12 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampleId :

F6B33

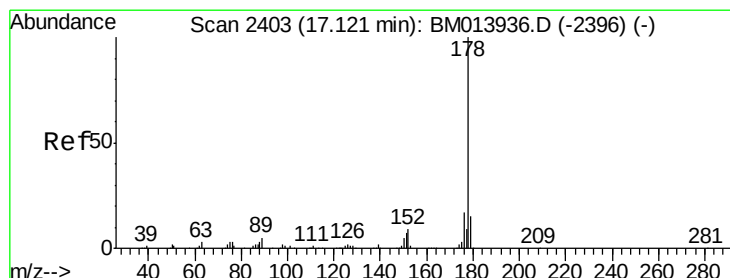
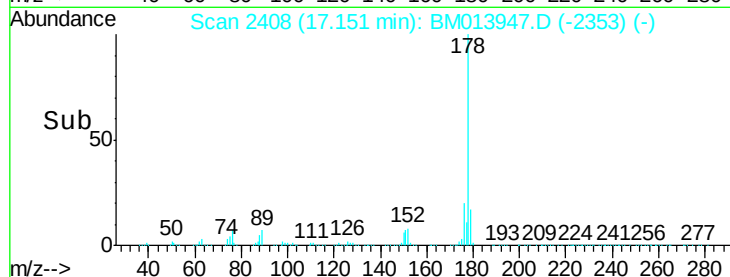
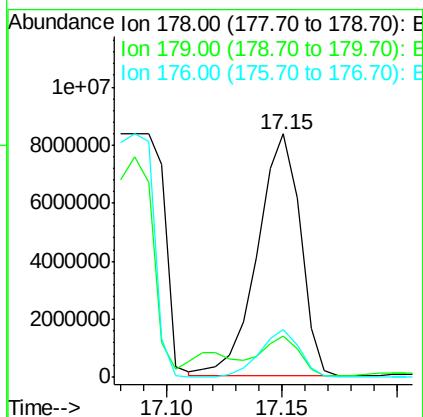
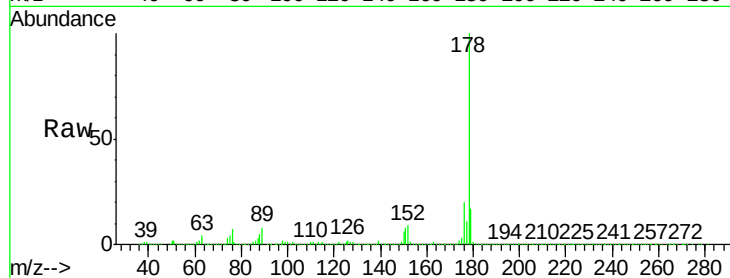
Tgt Ion:178 Resp:10816829

Ion Ratio Lower Upper

178 100

179 17.0 12.6 19.0

176 19.9 14.9 22.3



#71

Anthracene

Concen: 236.45 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.03 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

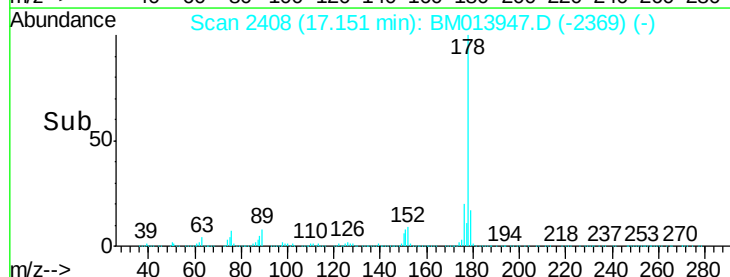
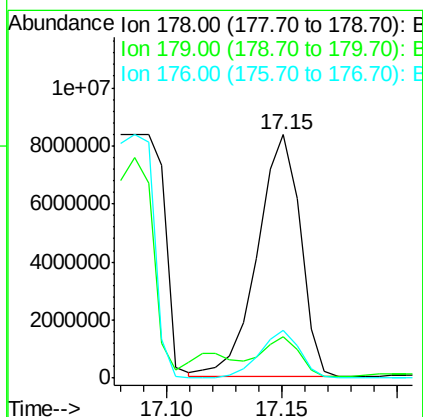
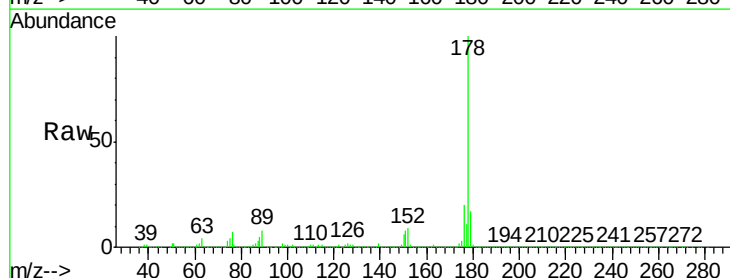
Tgt Ion:178 Resp:10816829

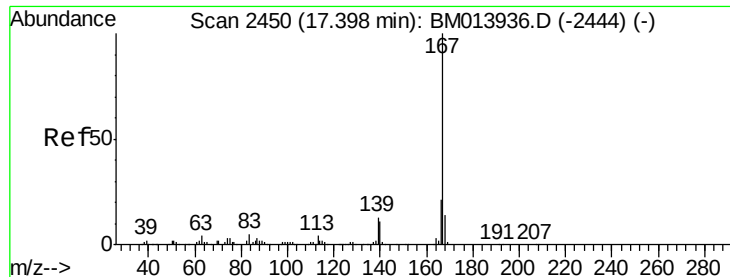
Ion Ratio Lower Upper

178 100

179 17.0 11.7 17.5

176 19.9 14.6 21.8





#72

Carbazole

Concen: 114.37 ng/ul

RT: 17.41 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampleId :

F6B33

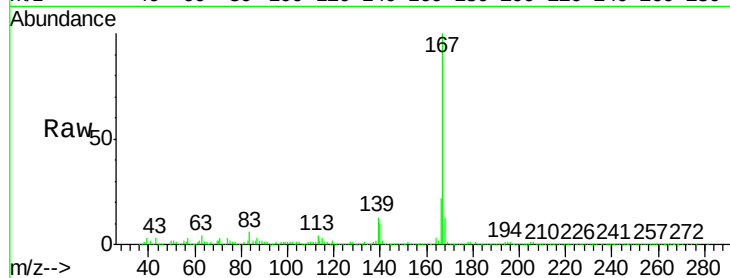
Tgt Ion:167 Resp: 4318735

Ion Ratio Lower Upper

167 100

166 22.0 17.1 25.7

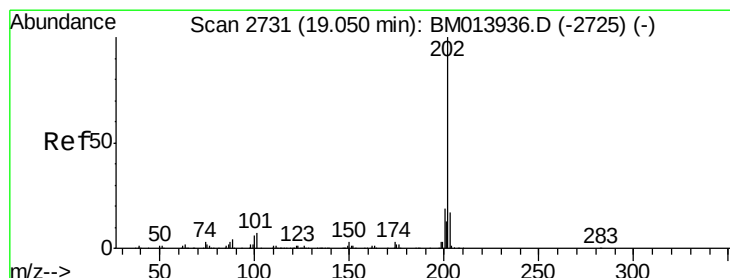
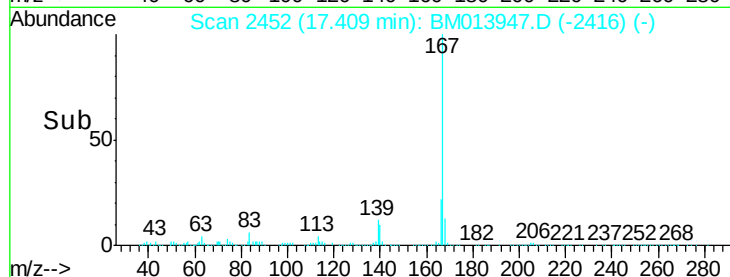
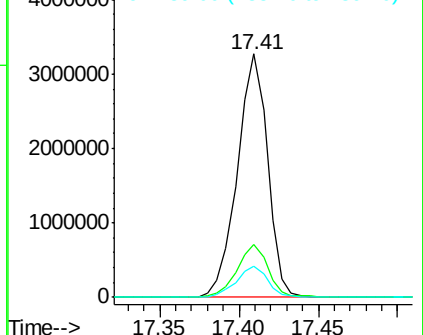
139 12.6 10.0 15.0



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: 1.74 ng/ul

RT: 18.96 min Scan# 2716

Delta R.T. -0.09 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

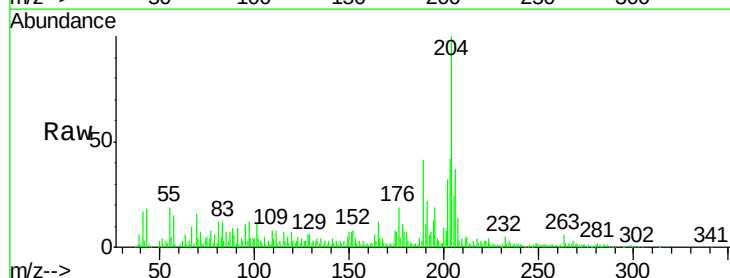
Tgt Ion:202 Resp: 91866

Ion Ratio Lower Upper

202 100

101 34.7 4.6 7.0#

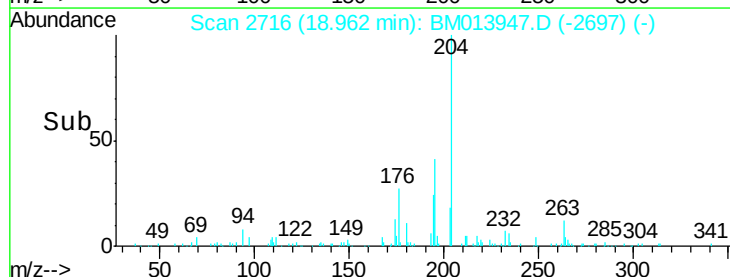
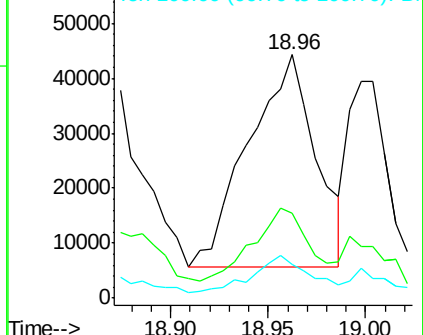
100 13.7 3.4 5.2#

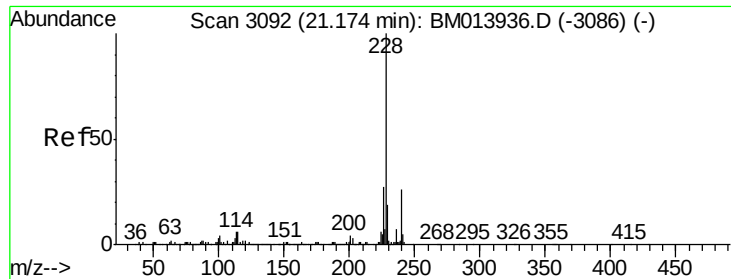


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 104.62 ng/ul

RT: 21.18 min Scan# 3093

Delta R.T. 0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampleId :

F6B33

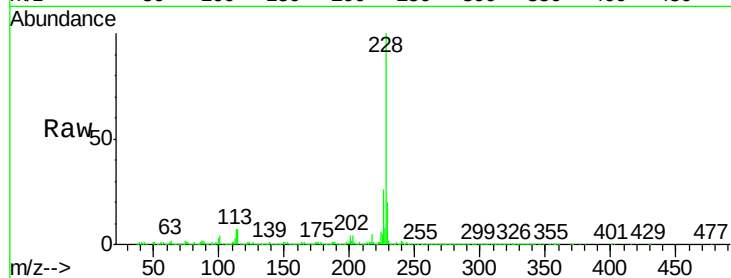
Tgt Ion:228 Resp: 5459464

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

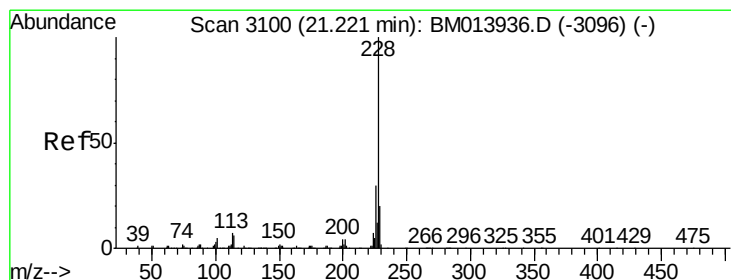
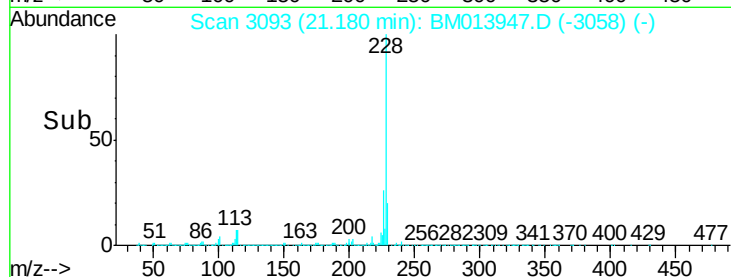
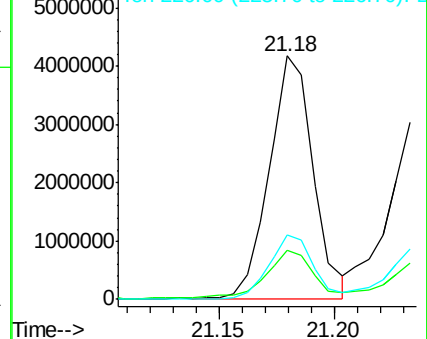
226 26.4 21.4 32.0



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: 81.61 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

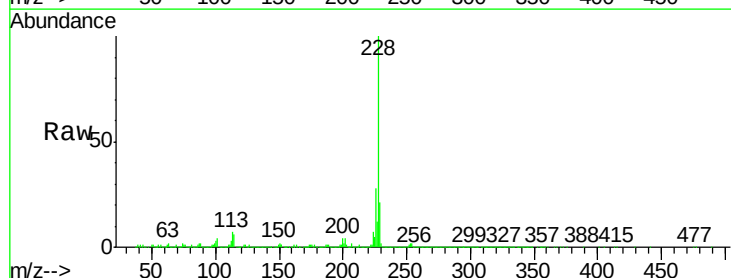
Tgt Ion:228 Resp: 3906940

Ion Ratio Lower Upper

228 100

226 28.2 23.4 35.2

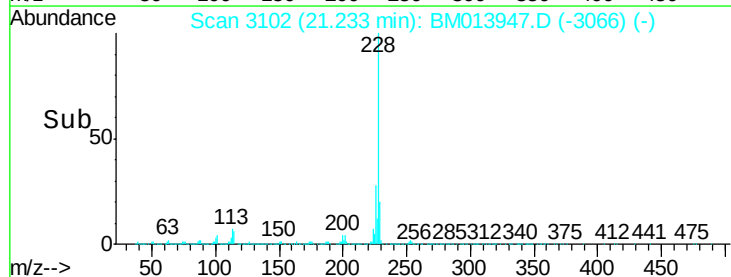
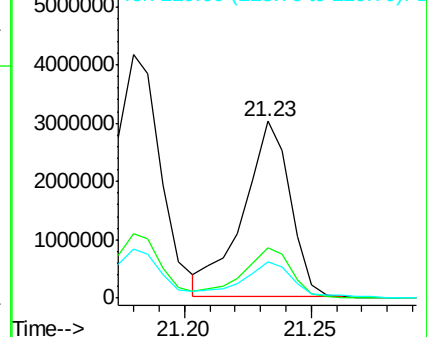
229 20.8 15.5 23.3

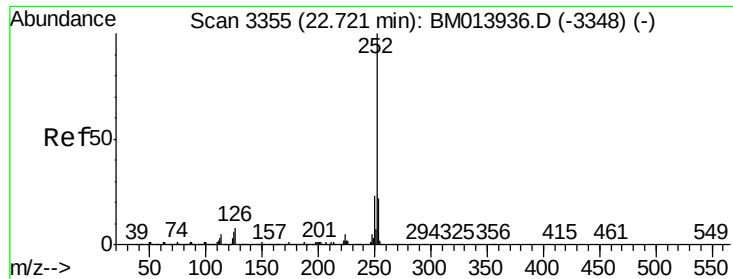


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 41.22 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampleId :

F6B33

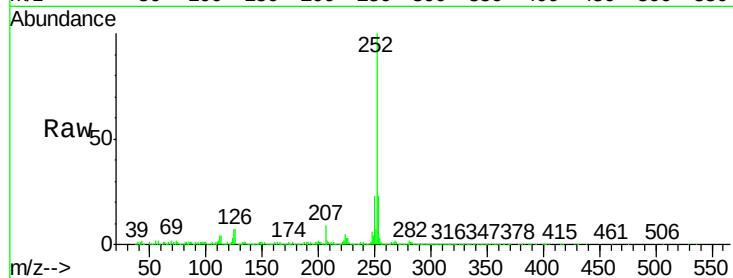
Tgt Ion:252 Resp: 2202616

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

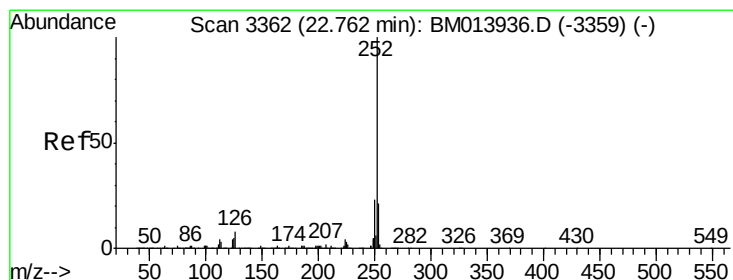
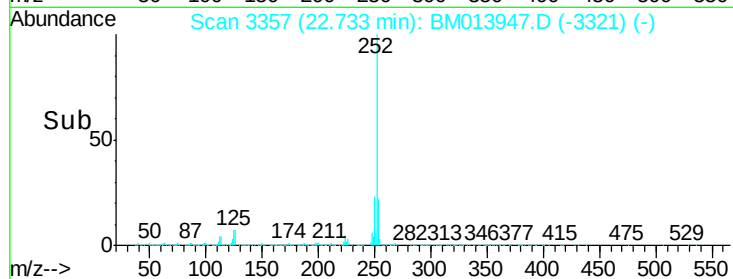
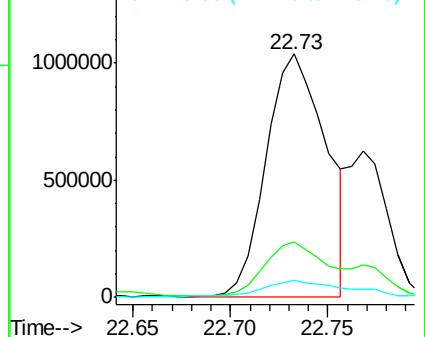
125 6.8 3.6 5.4#



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: 42.64 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. -0.03 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

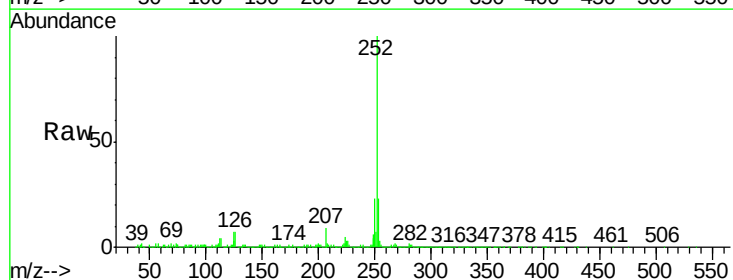
Tgt Ion:252 Resp: 2202616

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

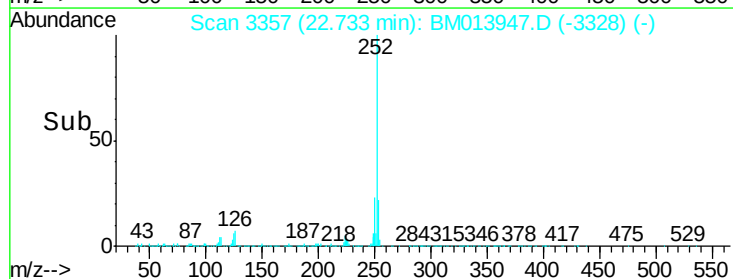
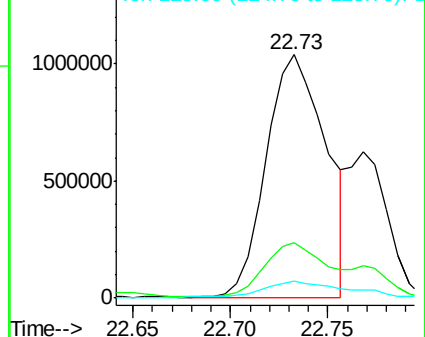
125 6.8 3.4 5.2#

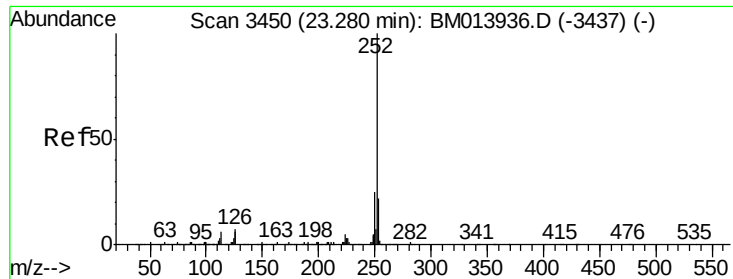


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 25.19 ng/ul

RT: 23.29 min Scan# 3451

Delta R.T. 0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampled :

F6B33

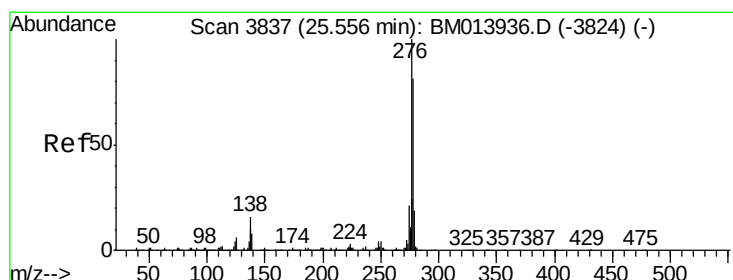
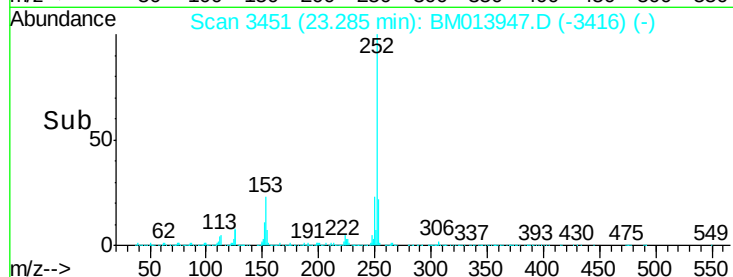
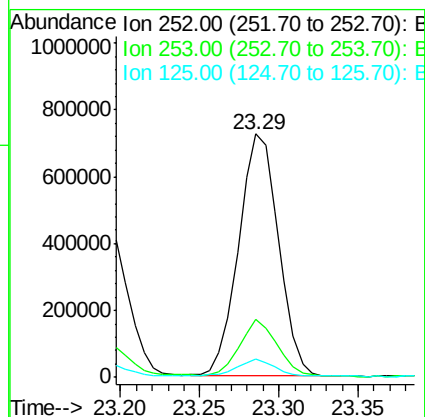
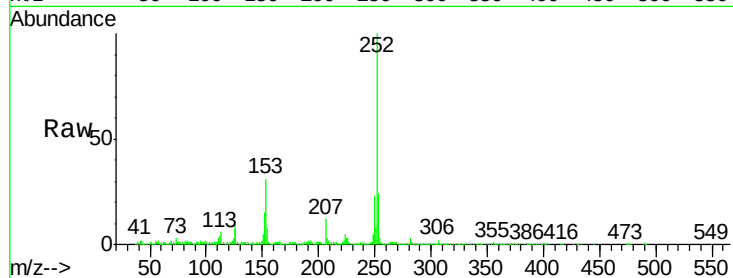
Tgt Ion:252 Resp: 1271428

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

125 7.3 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 6.44 ng/ul

RT: 25.56 min Scan# 3838

Delta R.T. 0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

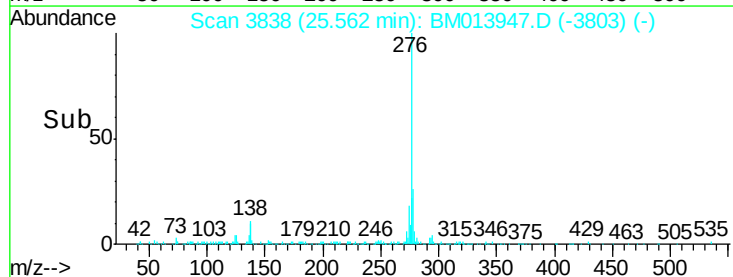
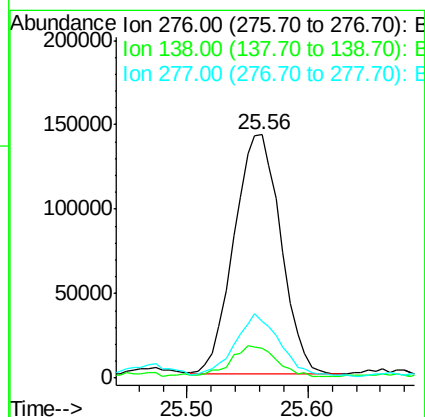
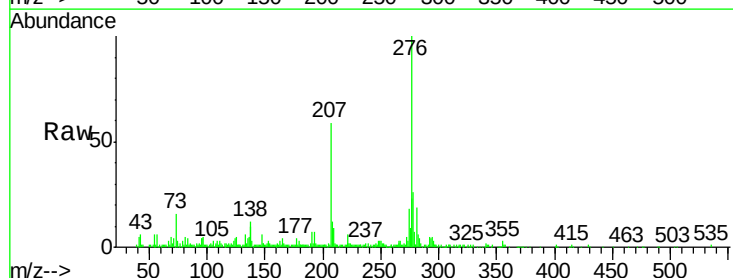
Tgt Ion:276 Resp: 383476

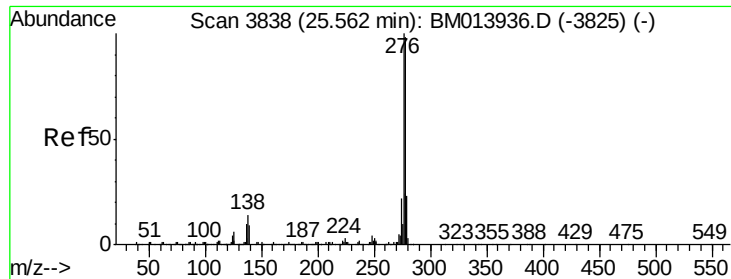
Ion Ratio Lower Upper

276 100

138 12.3 9.3 13.9

277 23.1 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 2.25 ng/ul

RT: 25.55 min Scan# 3836

Delta R.T. -0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Instrument :

BNA_M

ClientSampled :

F6B33

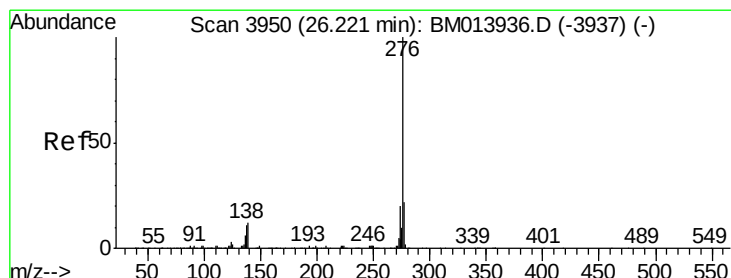
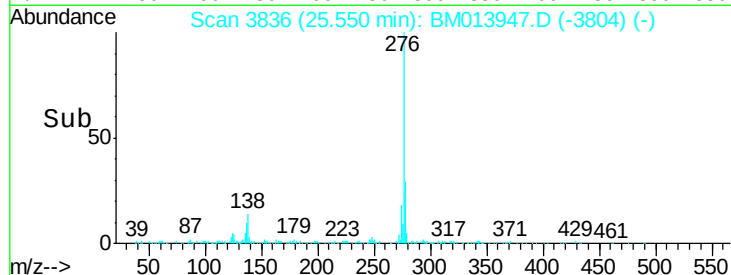
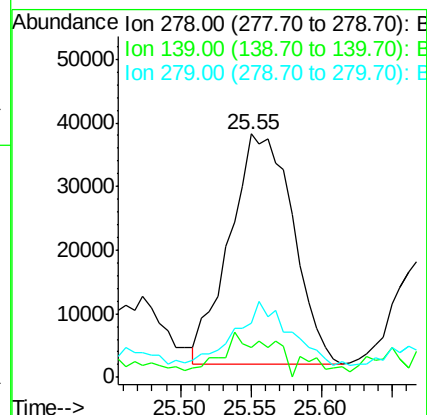
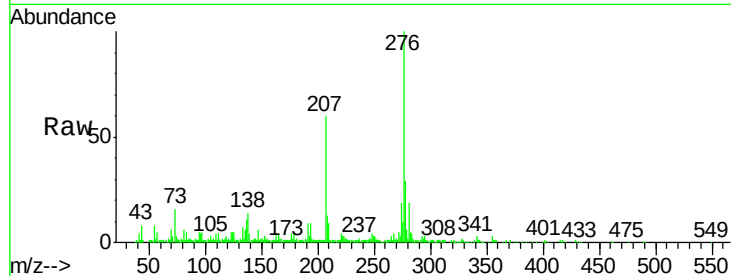
Tgt Ion:278 Resp: 113071

Ion Ratio Lower Upper

278 100

139 12.2 5.8 8.8#

279 22.0 18.6 27.8



#91

Benzo(g,h,i)perylene

Concen: 4.61 ng/ul

RT: 26.23 min Scan# 3951

Delta R.T. 0.01 min

Lab File: BM013947.D

Acq: 29 Jan 2018 06:00

Tgt Ion:276 Resp: 226056

Ion Ratio Lower Upper

276 100

138 12.3 8.5 12.7

277 26.9 18.6 28.0

