

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013952.D
 Acq On : 29 Jan 2018 08:58
 Operator : SJ/JU
 Sample : J1243-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 29 10:07:41 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	7.57	152	190019	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	710691	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	374891	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	692091	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	679934	20.00	ng/ul	0.00
83) Perylene-d12	23.38	264	704467	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	19067	3.97	ng/uL	0.00
5) Phenol-d5	6.76	99	436605	29.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	260105	29.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	381052	32.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	357315	31.86	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	181529	32.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	204221	35.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	381395	33.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	243633	24.94	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1073954	34.76	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1337974	33.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	134309	26.75	ng/ul	0.00
57) Fluorene-d10	15.23	176	844599	31.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	114460	27.48	ng/ul	0.00
70) Anthracene-d10	16.99	188	692091	20.53	ng/ul	-0.09
76) Pyrene-d10	19.39	212	1205230	38.07	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	702585	21.70	ng/ul	0.15

Target Compounds

					Ovalue	
6) Phenol	6.79	94	48374	3.306	ng/ul	92
15) N-Nitroso-di-n-propylamine	8.29	70	11551	1.276	ng/ul#	1
44) Dimethylphthalate	13.70	163	445807	14.675	ng/ul	100
47) Acenaphthylene	13.95	152	217164	6.024	ng/ul	100
49) Acenaphthene	14.29	153	61730	2.472	ng/ul	91
53) Dibenzofuran	14.63	168	43170	1.149	ng/ul	96
55) 2,3,4,6-Tetrachlorophenol	14.87	232	86113	10.942	ng/ul#	89
63) 4,6-Dinitro-2-methylphenol	15.40	198	31890	7.252	ng/ul#	77
68) Pentachlorophenol	16.65	266	2727346	583.306	ng/ul	98
69) Phenanthrene	17.03	178	2464328	64.058	ng/ul	99
71) Anthracene	17.12	178	572401	14.425	ng/ul	97
72) Carbazole	17.40	167	400145	12.217	ng/ul	99
74) Fluoranthene	19.06	202	9846907	214.429	ng/ul#	93
77) Pyrene	19.43	202	7689778	186.035	ng/ul#	94
80) Benzo(a)anthracene	21.17	228	1213247	29.530	ng/ul	98
82) Chrysene	21.23	228	1741373	46.202	ng/ul	97
85) Benzo(b)fluoranthene	22.73	252	1595038	36.868	ng/ul#	97
86) Benzo(k)fluoranthene	22.73	252	1595038	38.143	ng/ul#	96
88) Benzo(a)pyrene	23.29	252	563875	13.797	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.56	276	383236	7.944	ng/ul	96
90) Dibenz(a,h)anthracene	25.56	278	99143	2.434	ng/ul#	93
91) Benzo(a,h,i)perylene	26.24	276	287540	7.242	ng/ul	95

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration

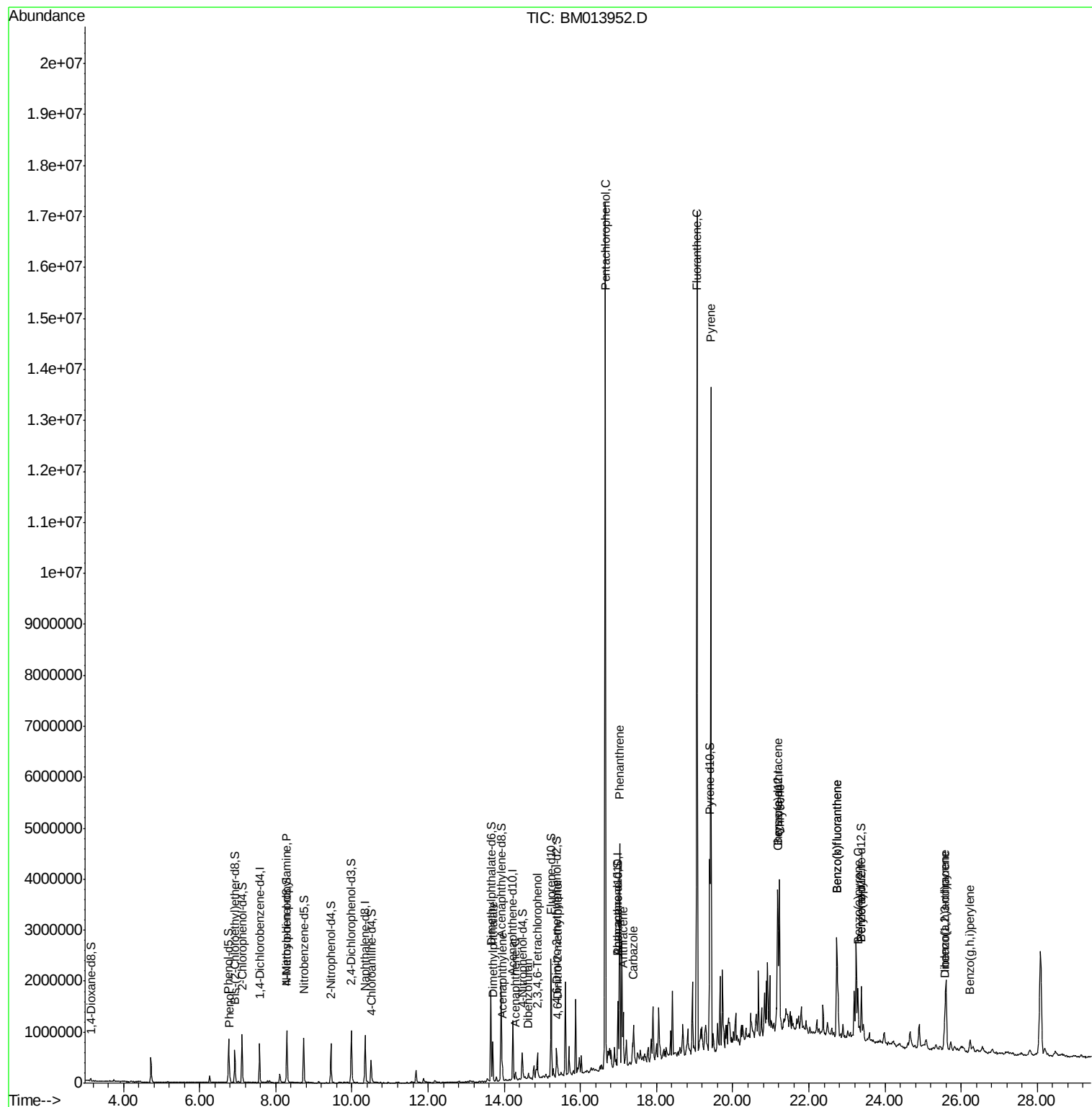
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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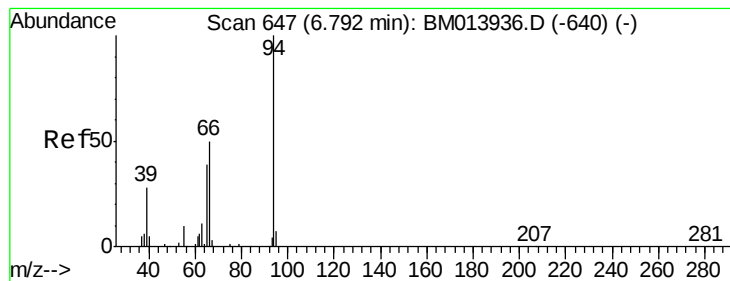
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.306 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

Instrument :

BNA_M

ClientSampleId :

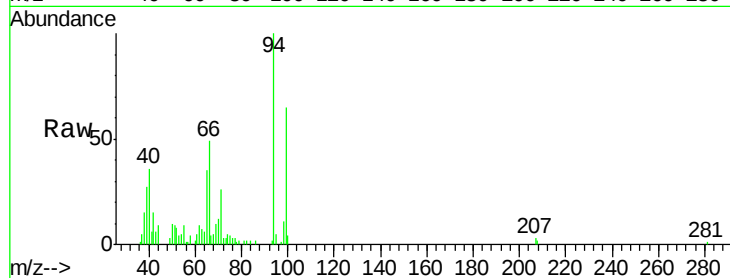
Tot Ion: 94 Resp: 48374

Ion Ratio Lower Upper

94 100

65 34.7 28.2 42.4

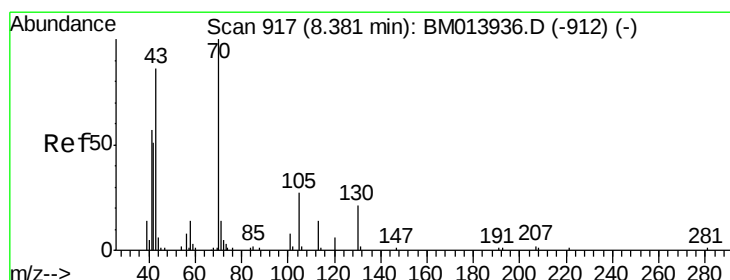
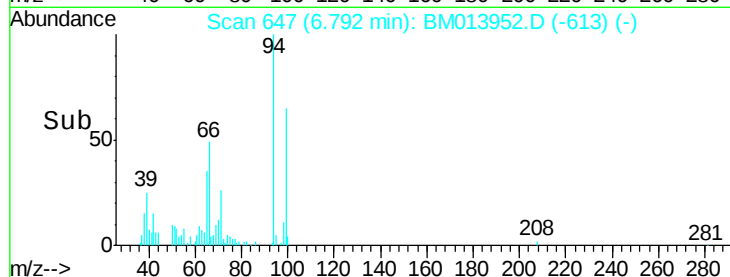
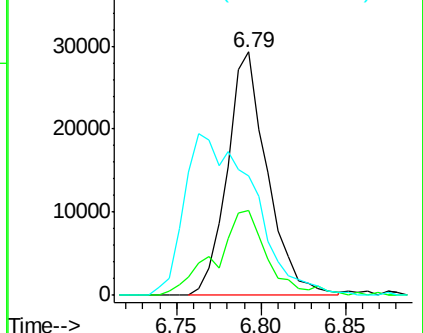
66 49.3 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013936.D (-640) (-)

Ion 65.00 (64.70 to 65.70): BM013936.D (-640) (-)

Ion 66.00 (65.70 to 66.70): BM013936.D (-640) (-)



#15

N-Nitroso-di-n-propylamine

Concen: 1.276 ng/ul

RT: 8.29 min Scan# 901

Delta R.T. -0.09 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

Tgt Ion: 70 Resp: 11551

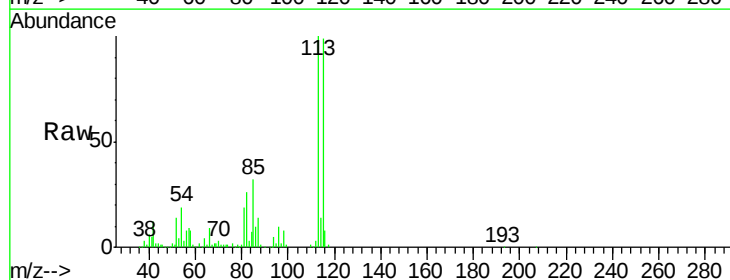
Ion Ratio Lower Upper

70 100

42 342.9 76.0 114.0#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

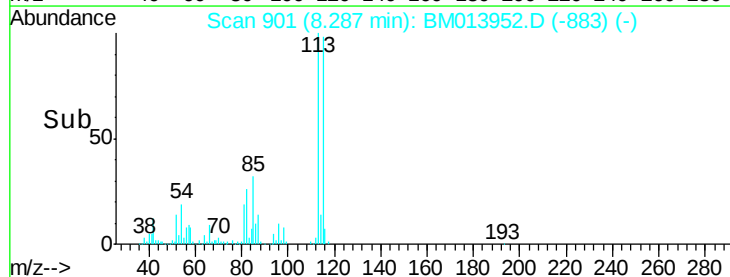
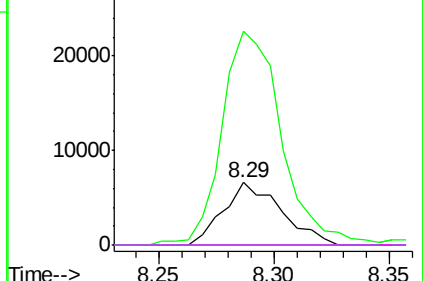


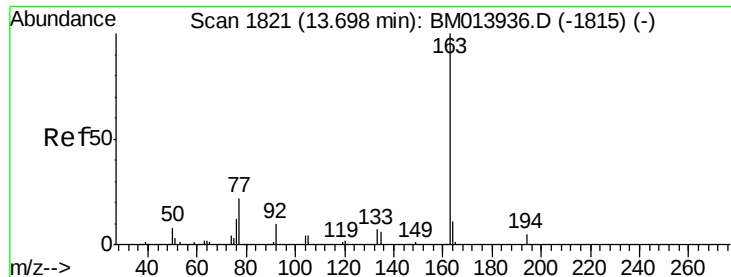
Abundance Ion 70.00 (69.70 to 70.70): BM013936.D (-912) (-)

Ion 42.00 (41.70 to 42.70): BM013936.D (-912) (-)

Ion 101.00 (100.70 to 101.70): BM013936.D (-912) (-)

Ion 130.00 (129.70 to 130.70): BM013936.D (-912) (-)

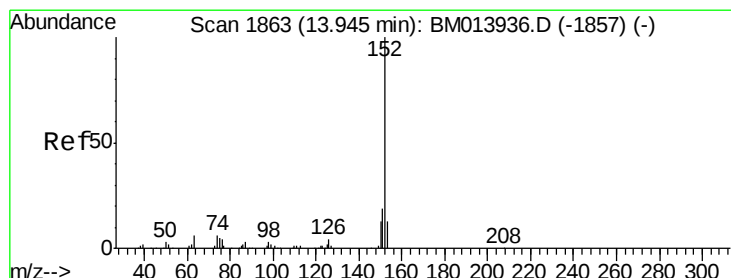
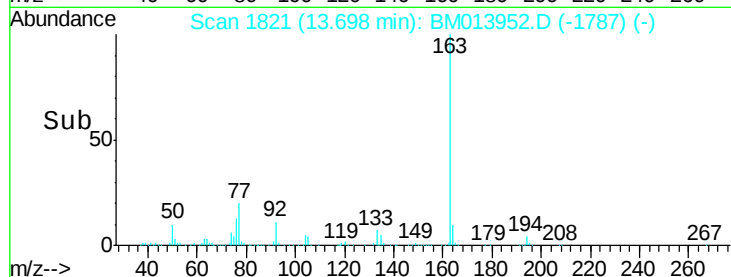
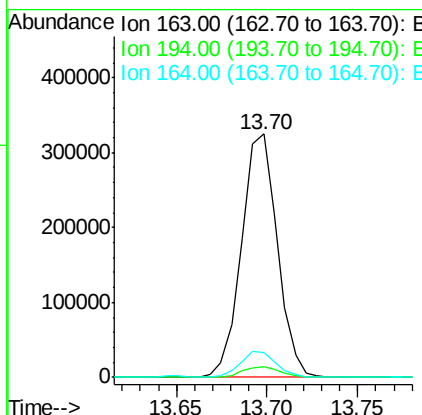
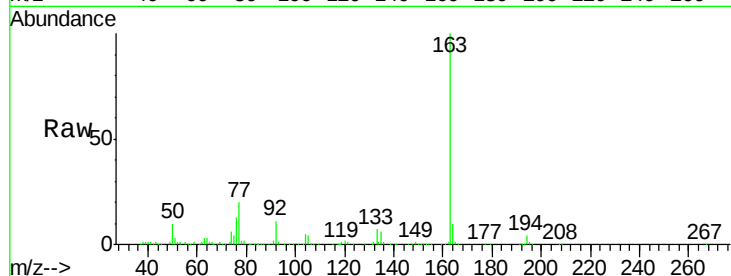




#44
Dimethylphthalate
Concen: 14.675 ng/ul
RT: 13.70 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BM013952.D
Acq: 29 Jan 2018 08:58

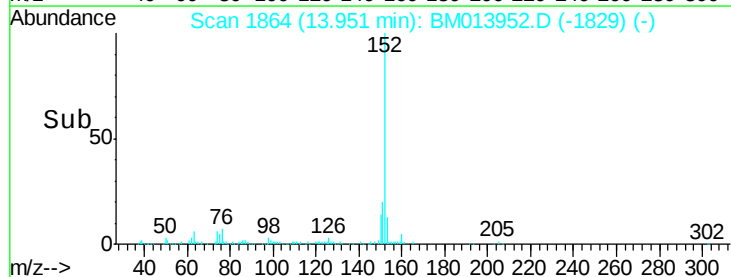
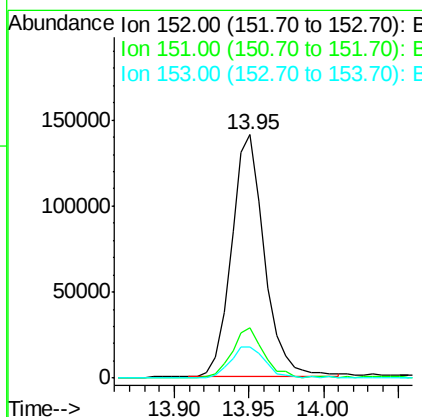
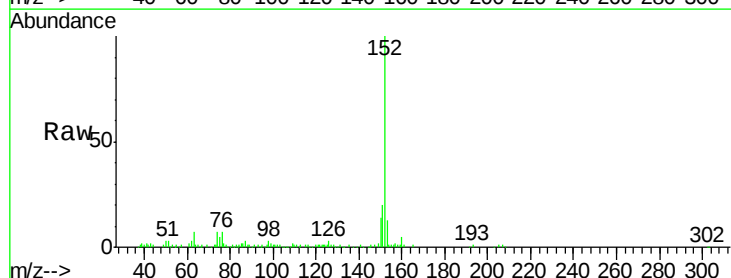
Instrument :
BNA_M
ClientSampleId :

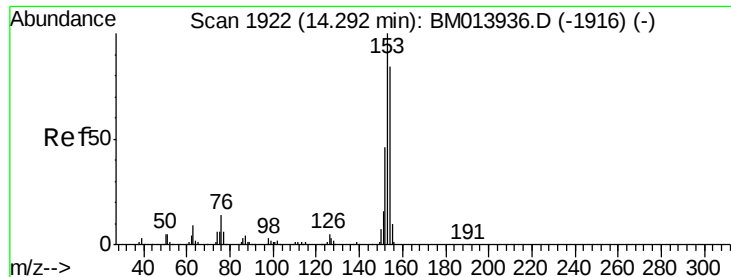
Tot Ion:163 Resp: 445807
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 10.1 8.2 12.4



#47
Acenaphthylene
Concen: 6.024 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BM013952.D
Acq: 29 Jan 2018 08:58

Tgt Ion:152 Resp: 217164
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5
153 12.7 10.2 15.4





#49

Acenaphthene

Concen: 2.472 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

Instrument :

BNA_M

ClientSampleId :

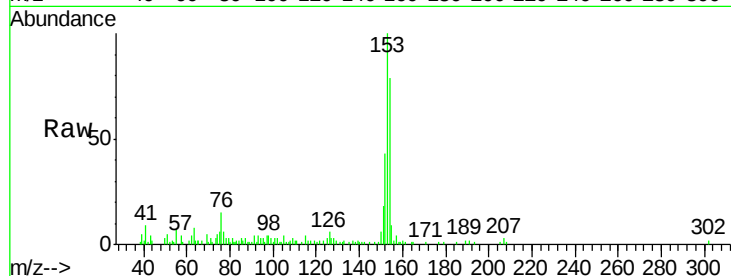
Tot Ion:153 Resp: 61730

Ion Ratio Lower Upper

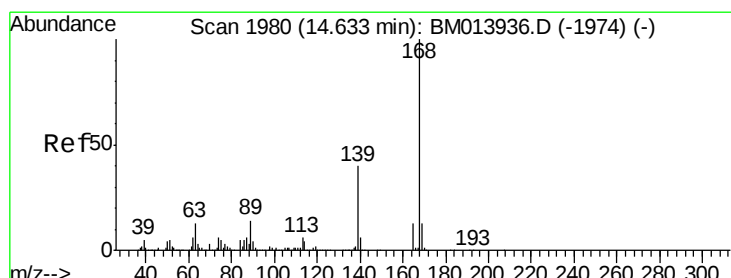
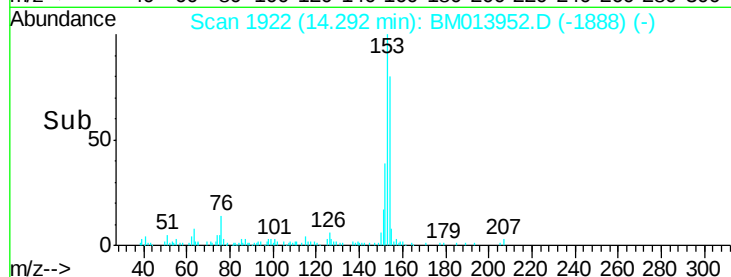
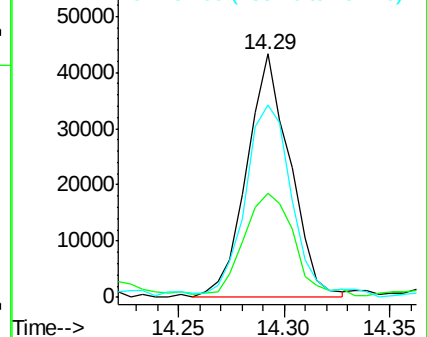
153 100

152 42.7 37.6 56.4

154 78.8 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: 1.149 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BM013952.D

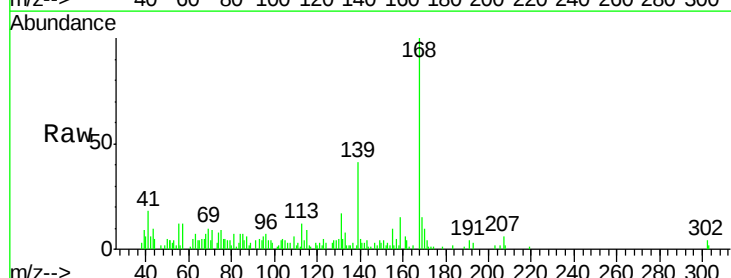
Acq: 29 Jan 2018 08:58

Tgt Ion:168 Resp: 43170

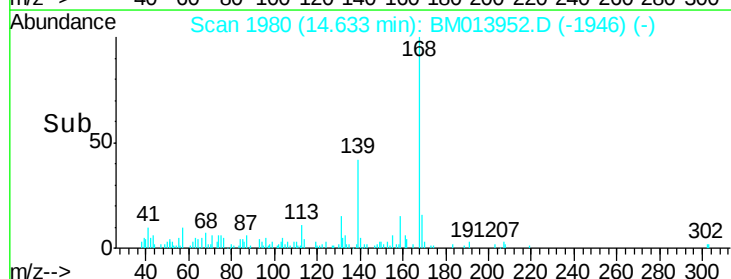
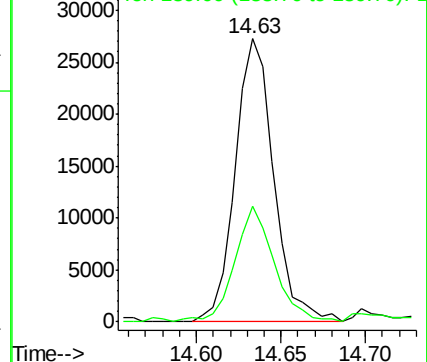
Ion Ratio Lower Upper

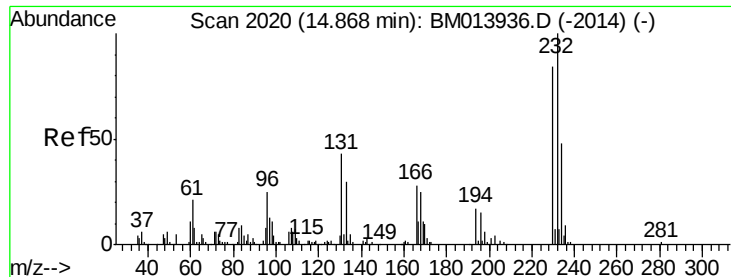
168 100

139 41.0 30.8 46.2



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

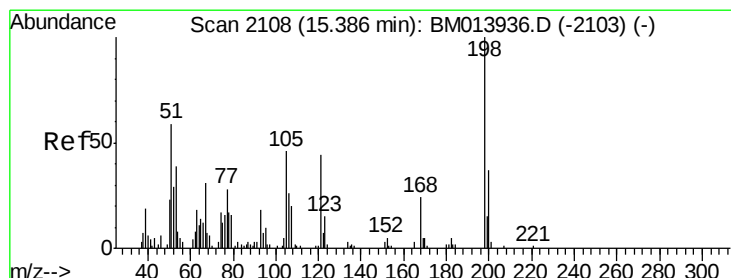
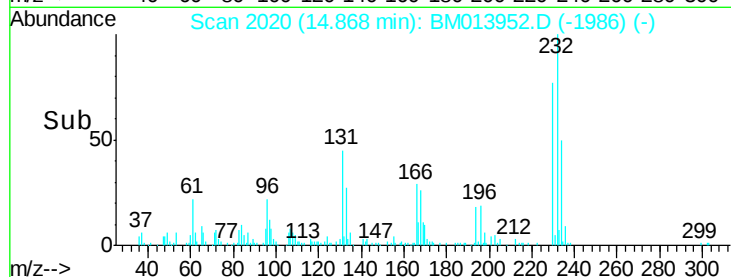
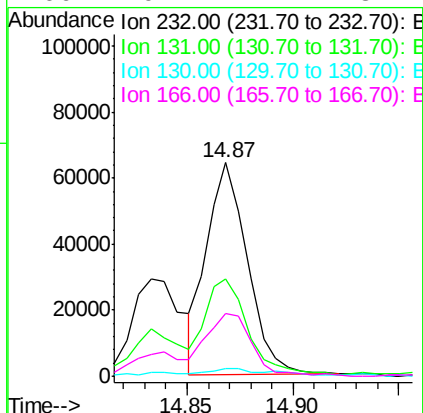
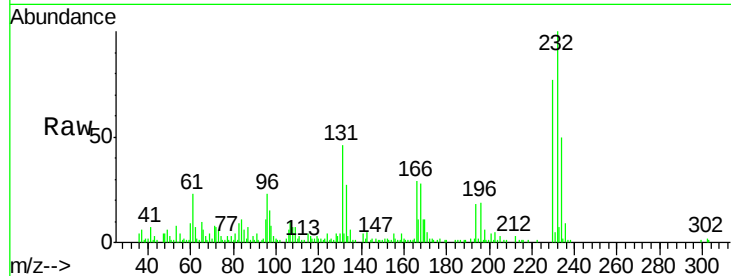




#55
 2,3,4,6-Tetrachlorophenol
 Concen: 10.942 ng/ul
 RT: 14.87 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: BM013952.D
 Acq: 29 Jan 2018 08:58

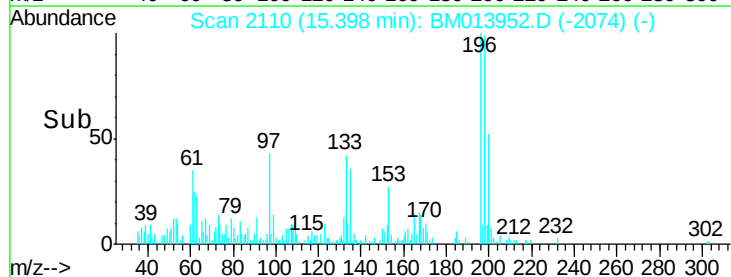
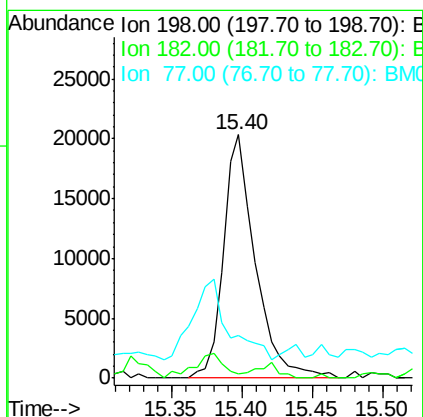
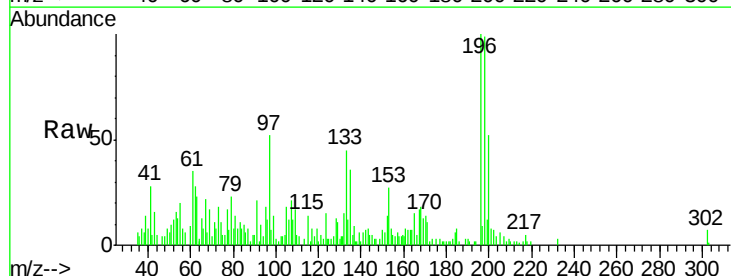
Instrument :
 BNA_M
 ClientSampled :

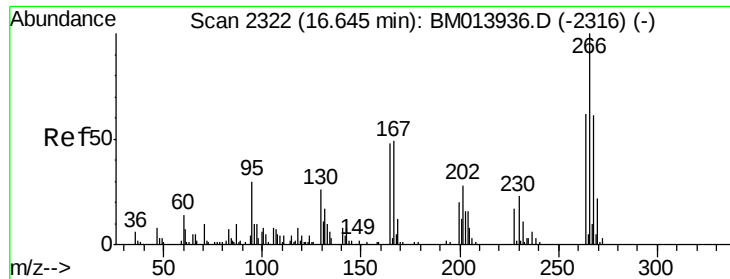
Tot Ion:232 Resp: 86113
 Ion Ratio Lower Upper
 232 100
 131 45.8 29.0 43.4#
 130 3.7 2.0 3.0#
 166 29.2 21.4 32.2



#63
 4,6-Dinitro-2-methylphenol
 Concen: 7.252 ng/ul
 RT: 15.40 min Scan# 2110
 Delta R.T. 0.01 min
 Lab File: BM013952.D
 Acq: 29 Jan 2018 08:58

Tgt Ion:198 Resp: 31890
 Ion Ratio Lower Upper
 198 100
 182 1.8 3.8 5.6#
 77 17.4 25.2 37.8#

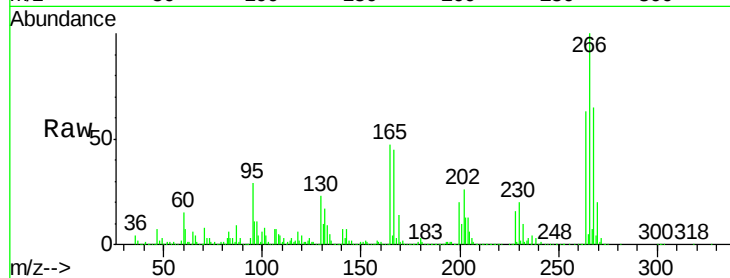




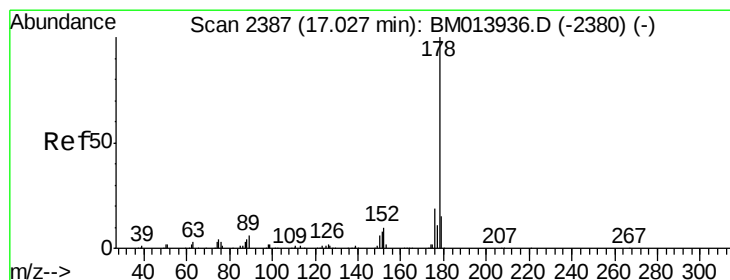
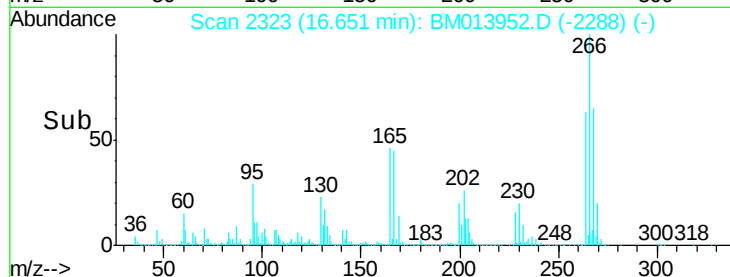
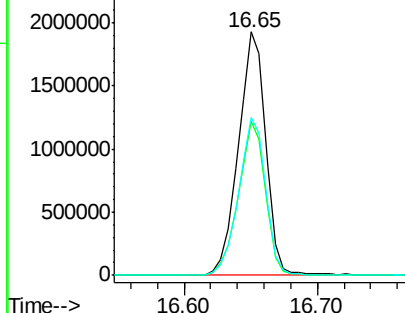
#68
 Pentachlorophenol
 Concen: 583.306 ng/ul
 RT: 16.65 min Scan# 2323
 Delta R.T. 0.01 min
 Lab File: BM013952.D
 Acq: 29 Jan 2018 08:58

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:266 Resp: 2727346
 Ion Ratio Lower Upper
 266 100
 264 63.0 49.3 73.9
 268 64.6 52.6 78.8

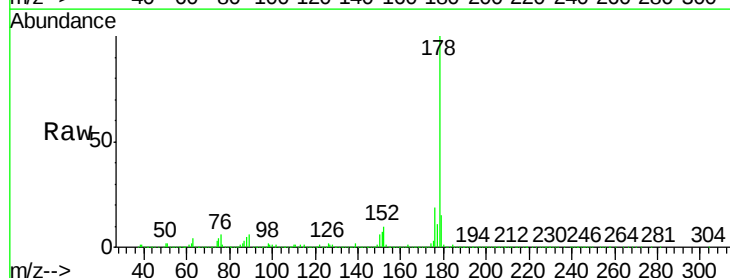


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

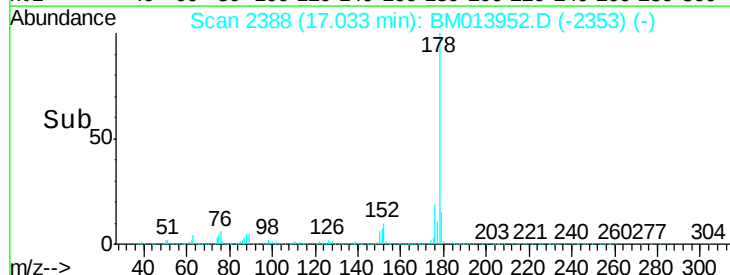
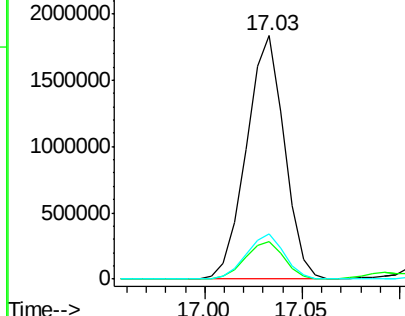


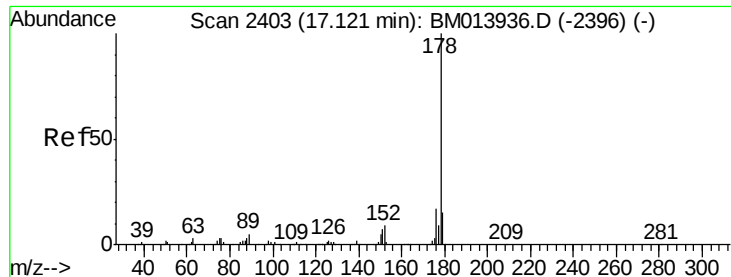
#69
 Phenanthrene
 Concen: 64.058 ng/ul
 RT: 17.03 min Scan# 2388
 Delta R.T. 0.01 min
 Lab File: BM013952.D
 Acq: 29 Jan 2018 08:58

Tgt Ion:178 Resp: 2464328
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.6 19.0
 176 18.8 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

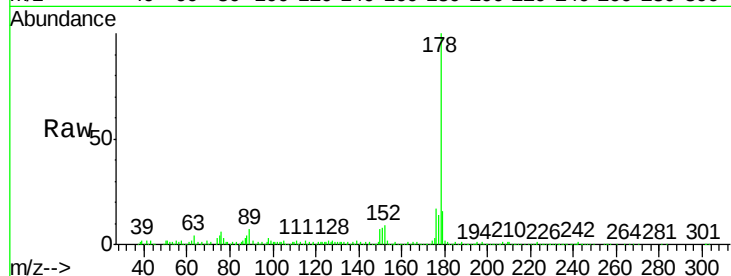




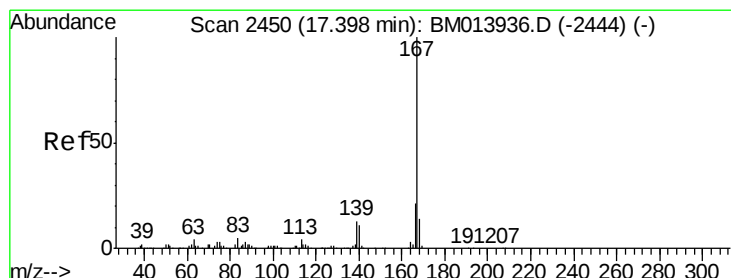
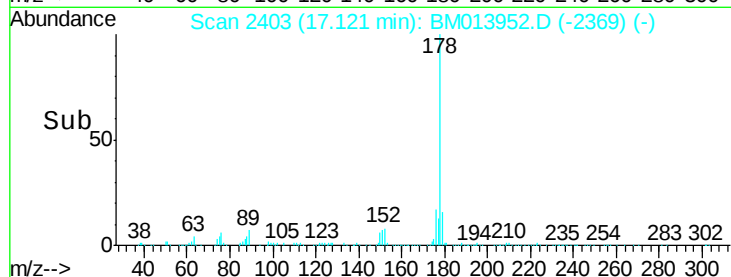
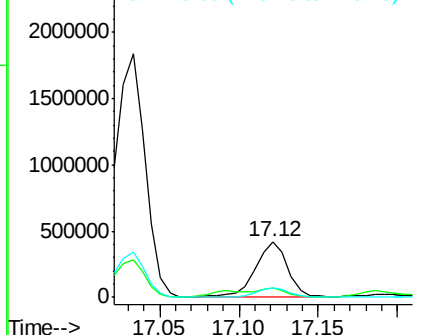
#71
 Anthracene
 Concen: 14.425 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.00 min
 Lab File: BM013952.D
 Acq: 29 Jan 2018 08:58

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 572401
 Ion Ratio Lower Upper
 178 100
 179 16.1 11.7 17.5
 176 17.4 14.6 21.8

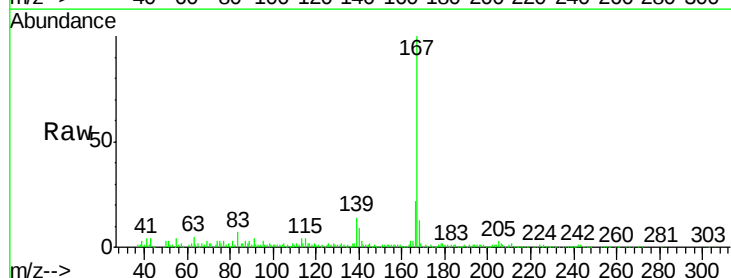


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

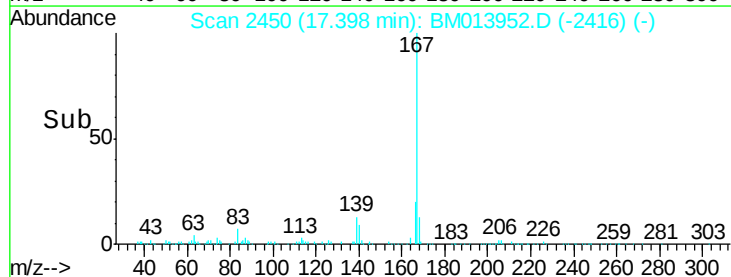
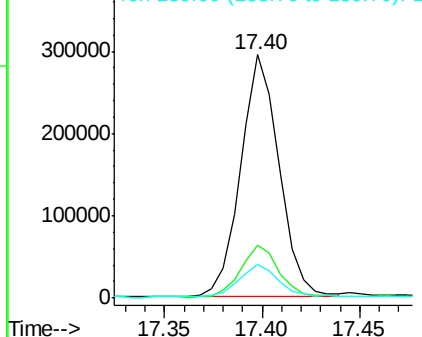


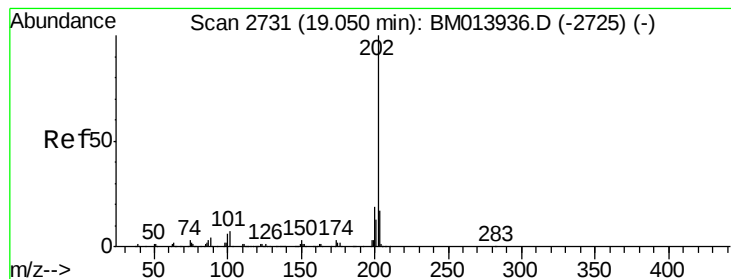
#72
 Carbazole
 Concen: 12.217 ng/ul
 RT: 17.40 min Scan# 2450
 Delta R.T. 0.00 min
 Lab File: BM013952.D
 Acq: 29 Jan 2018 08:58

Tgt Ion:167 Resp: 400145
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 13.9 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: 214.429 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

Instrument :

BNA_M

ClientSampled :

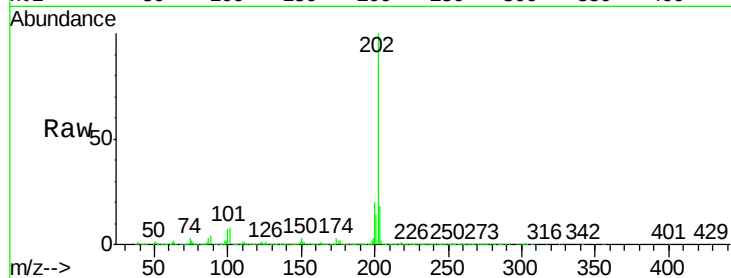
Tot Ion:202 Resp: 9846907

Ion Ratio Lower Upper

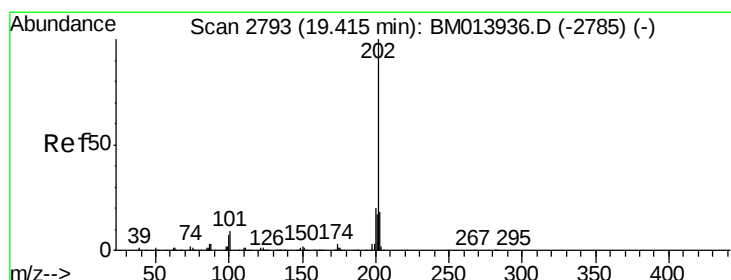
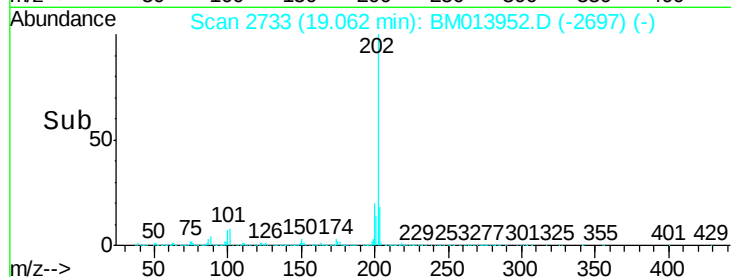
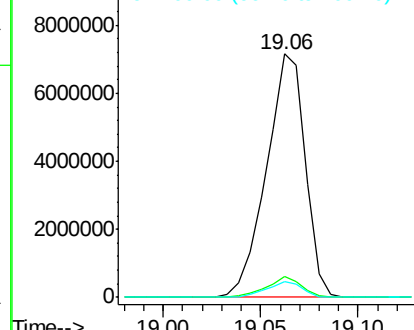
202 100

101 8.4 4.6 7.0#

100 6.7 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



#77

Pyrene

Concen: 186.035 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

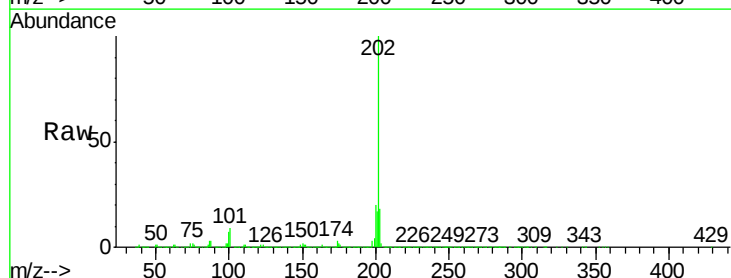
Tgt Ion:202 Resp: 7689778

Ion Ratio Lower Upper

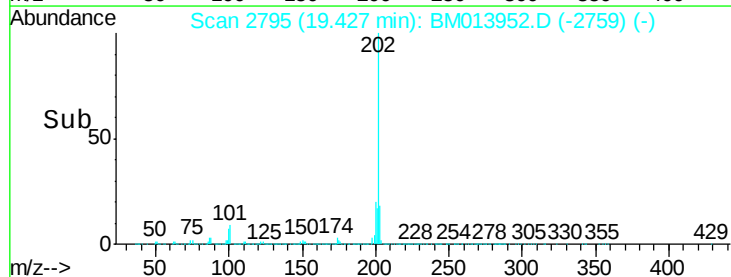
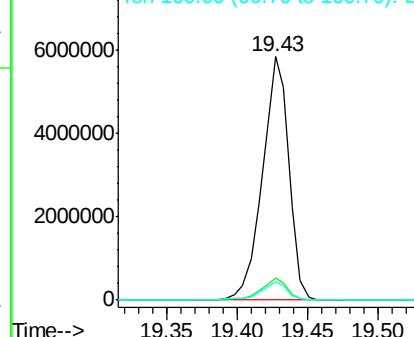
202 100

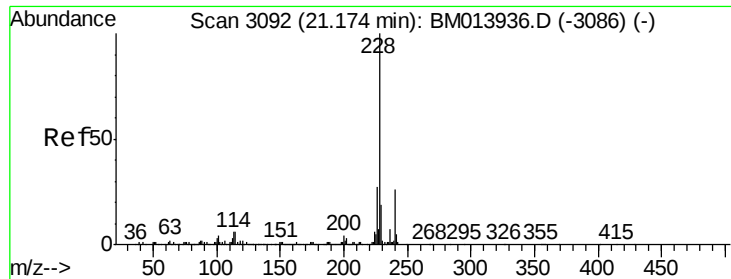
101 9.1 5.1 7.7#

100 7.4 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: 29.530 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

Instrument :

BNA_M

ClientSampleId :

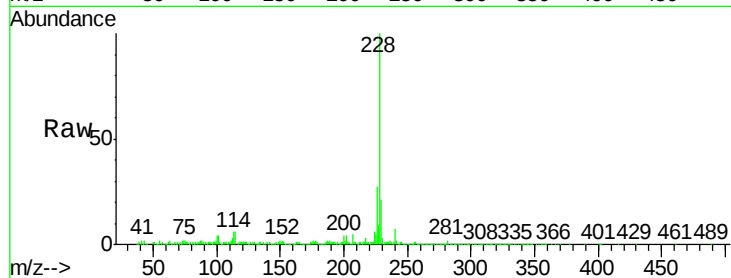
Tot Ion:228 Resp: 1213247

Ion Ratio Lower Upper

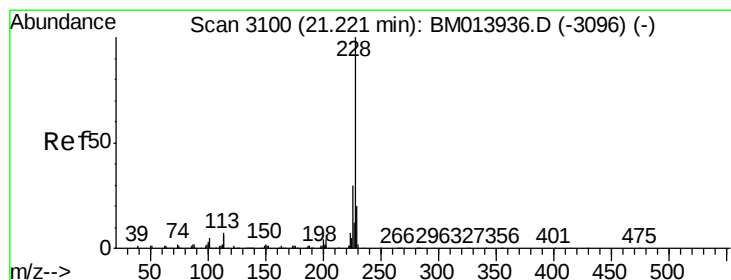
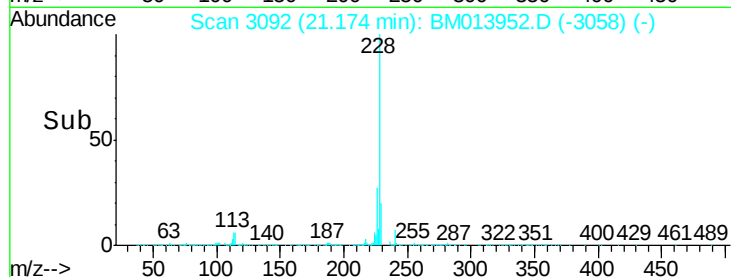
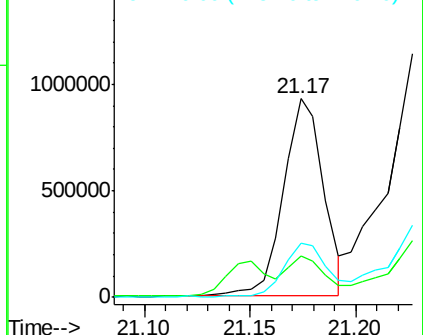
228 100

229 20.8 15.4 23.0

226 27.0 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: 46.202 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.01 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

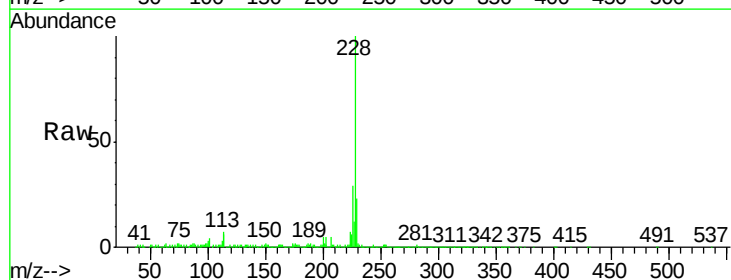
Tgt Ion:228 Resp: 1741373

Ion Ratio Lower Upper

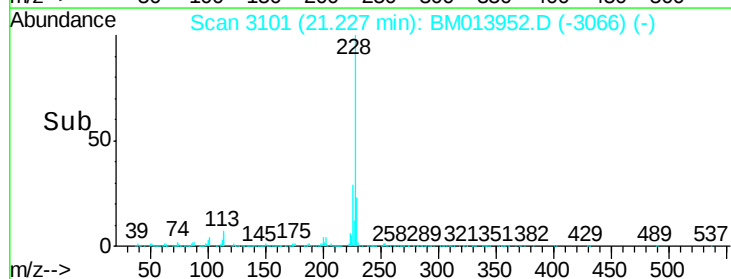
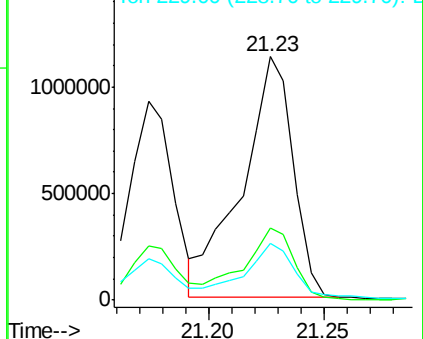
228 100

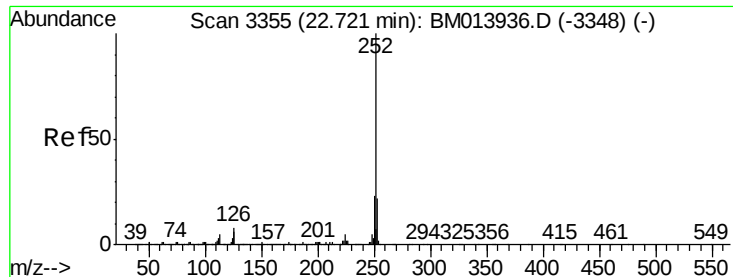
226 29.4 23.4 35.2

229 23.2 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: 36.868 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

Instrument :

BNA_M

ClientSampled :

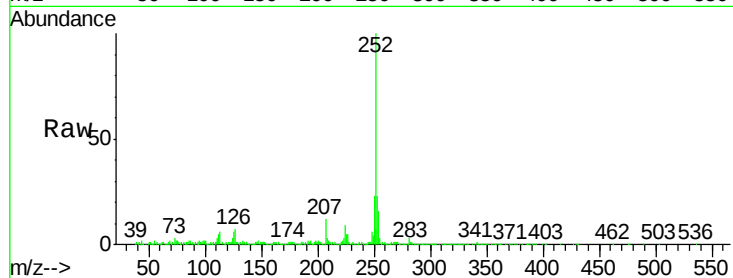
Tot Ion:252 Resp: 1595038

Ion Ratio Lower Upper

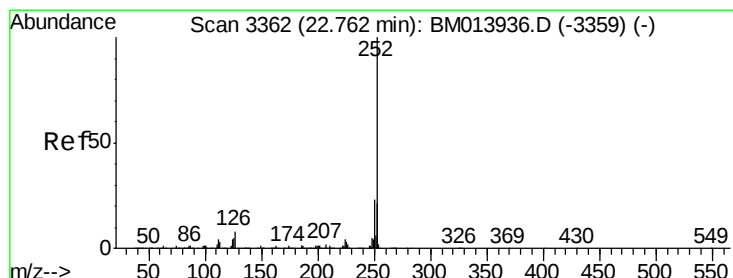
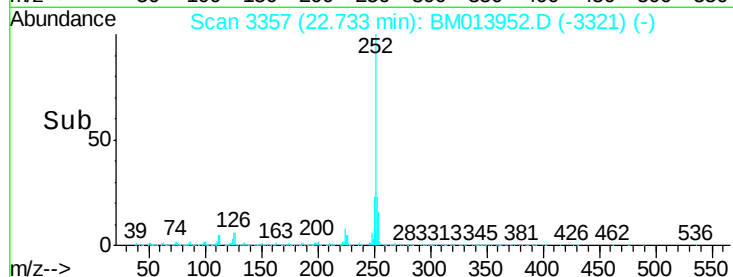
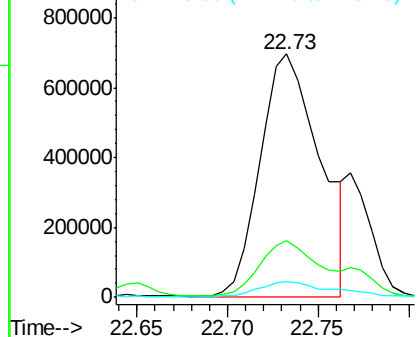
252 100

253 23.3 17.9 26.9

125 6.3 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: 38.143 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. -0.03 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

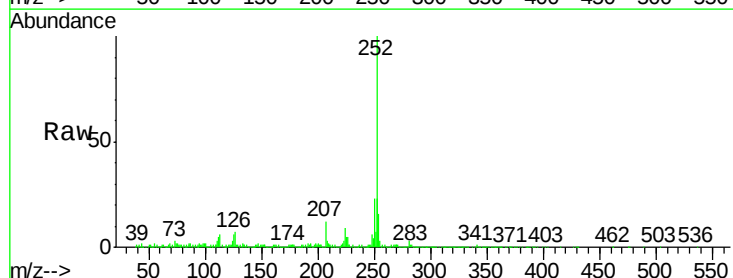
Tgt Ion:252 Resp: 1595038

Ion Ratio Lower Upper

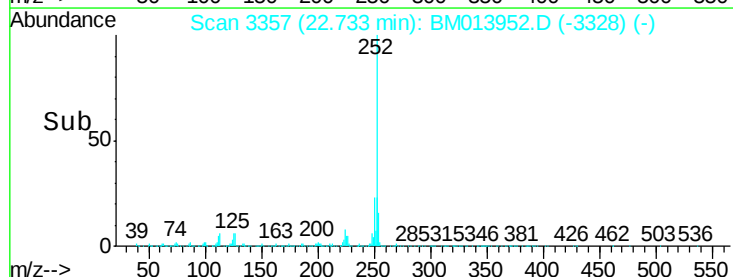
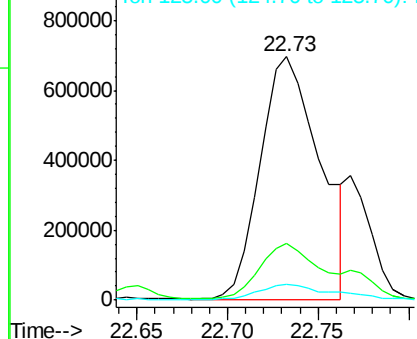
252 100

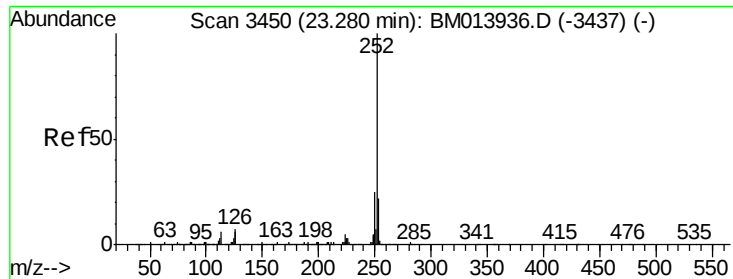
253 23.3 17.1 25.7

125 6.3 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: 13.797 ng/ul

RT: 23.29 min Scan# 3451

Delta R.T. 0.01 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

Instrument :

BNA_M

ClientSampleId :

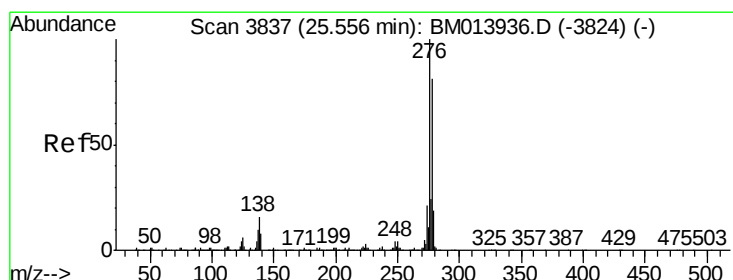
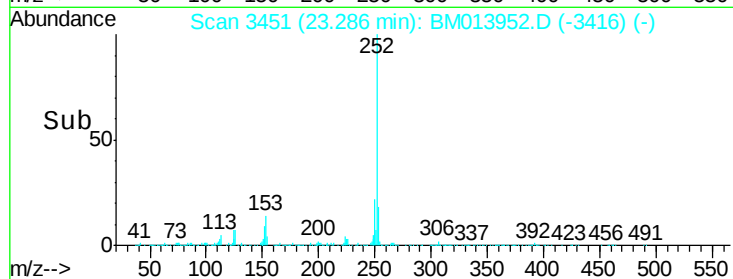
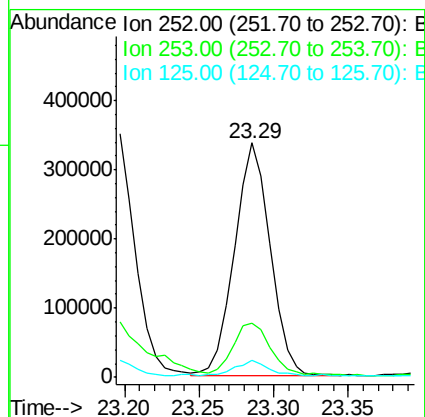
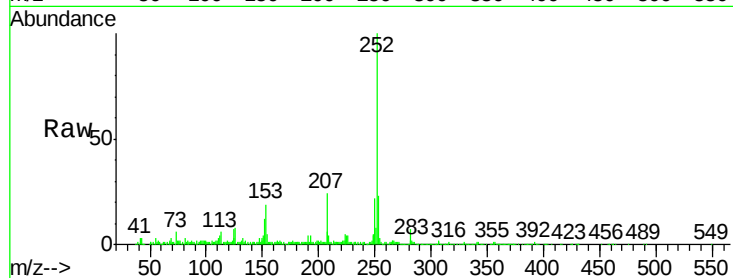
Tot Ion:252 Resp: 563875

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

125 7.1 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 7.944 ng/ul

RT: 25.56 min Scan# 3838

Delta R.T. 0.01 min

Lab File: BM013952.D

Acq: 29 Jan 2018 08:58

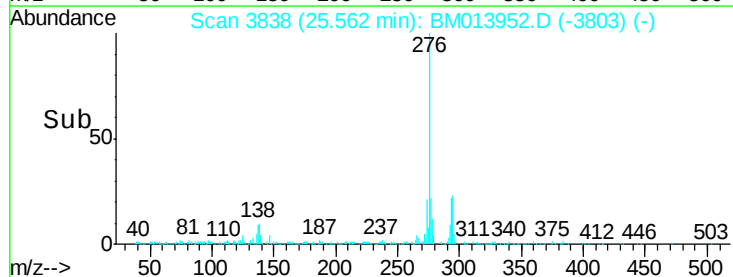
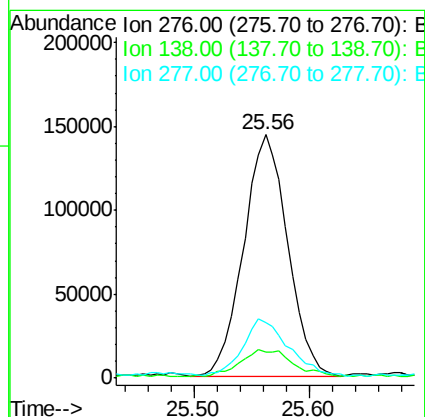
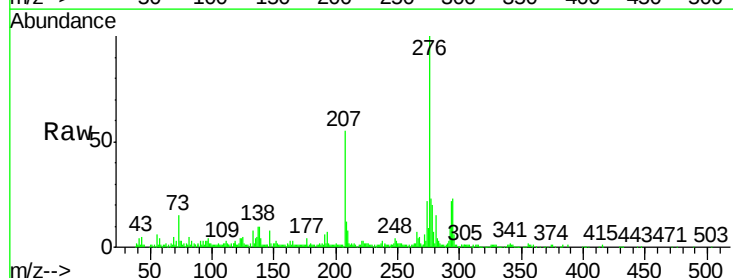
Tgt Ion:276 Resp: 383236

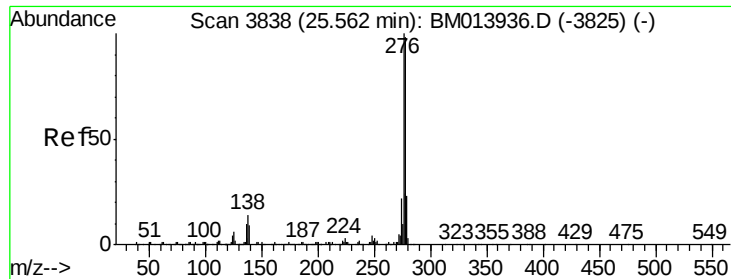
Ion Ratio Lower Upper

276 100

138 10.4 9.3 13.9

277 22.8 19.9 29.9



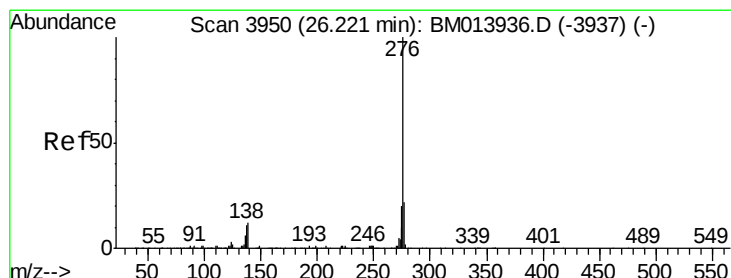
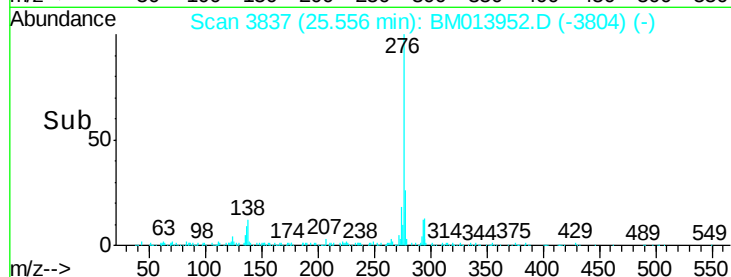
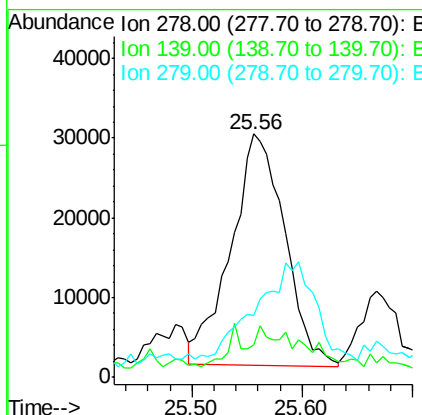
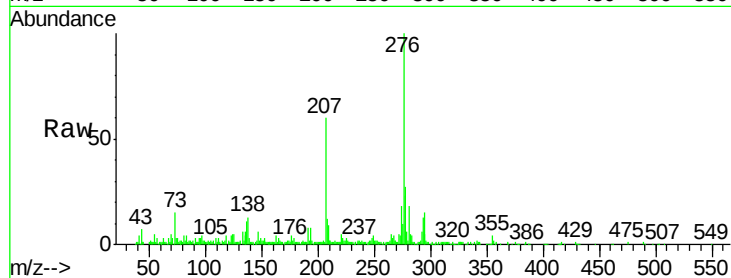


#90

Dibenzo(a,h)anthracene
Concen: 2.434 ng/ul
RT: 25.56 min Scan# 3837
Delta R.T. -0.01 min
Lab File: BM013952.D
Acq: 29 Jan 2018 08:58

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 99143
Ion Ratio Lower Upper
278 100
139 13.1 5.8 8.8#
279 25.4 18.6 27.8



#91

Benzo(g,h,i)perylene
Concen: 7.242 ng/ul
RT: 26.24 min Scan# 3953
Delta R.T. 0.02 min
Lab File: BM013952.D
Acq: 29 Jan 2018 08:58

Tgt Ion:276 Resp: 287540
Ion Ratio Lower Upper
276 100
138 9.3 8.5 12.7
277 20.5 18.6 28.0

