

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110916\
 Data File : BM007808.D
 Acq On : 09 Nov 2016 21:40
 Operator : UM/SJ
 Sample : H5554-21MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5N91MSD

Quant Time: Nov 09 23:37:52 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 09 23:34:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	174101	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	659040	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	421743	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	841773	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	1085696	20.00	ng/ul	0.00
83) Perylene-d12	23.56	264	1123256	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	16178	3.98	ng/uL	0.00
5) Phenol-d5	6.92	99	280603	20.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	177823	22.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	233954	22.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	161615	15.37	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	117110	24.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	127544	25.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	223692	22.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	228966	20.31	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	712198	24.80	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	831034	24.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	105623	23.26	ng/ul	0.00
57) Fluorene-d10	15.37	176	617056	24.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	88972	17.79	ng/ul	0.00
70) Anthracene-d10	17.22	188	997794	26.30	ng/ul	0.00
76) Pyrene-d10	19.52	212	1292063	28.97	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.42	264	1434695	29.26	ng/ul	0.00

Target Compounds

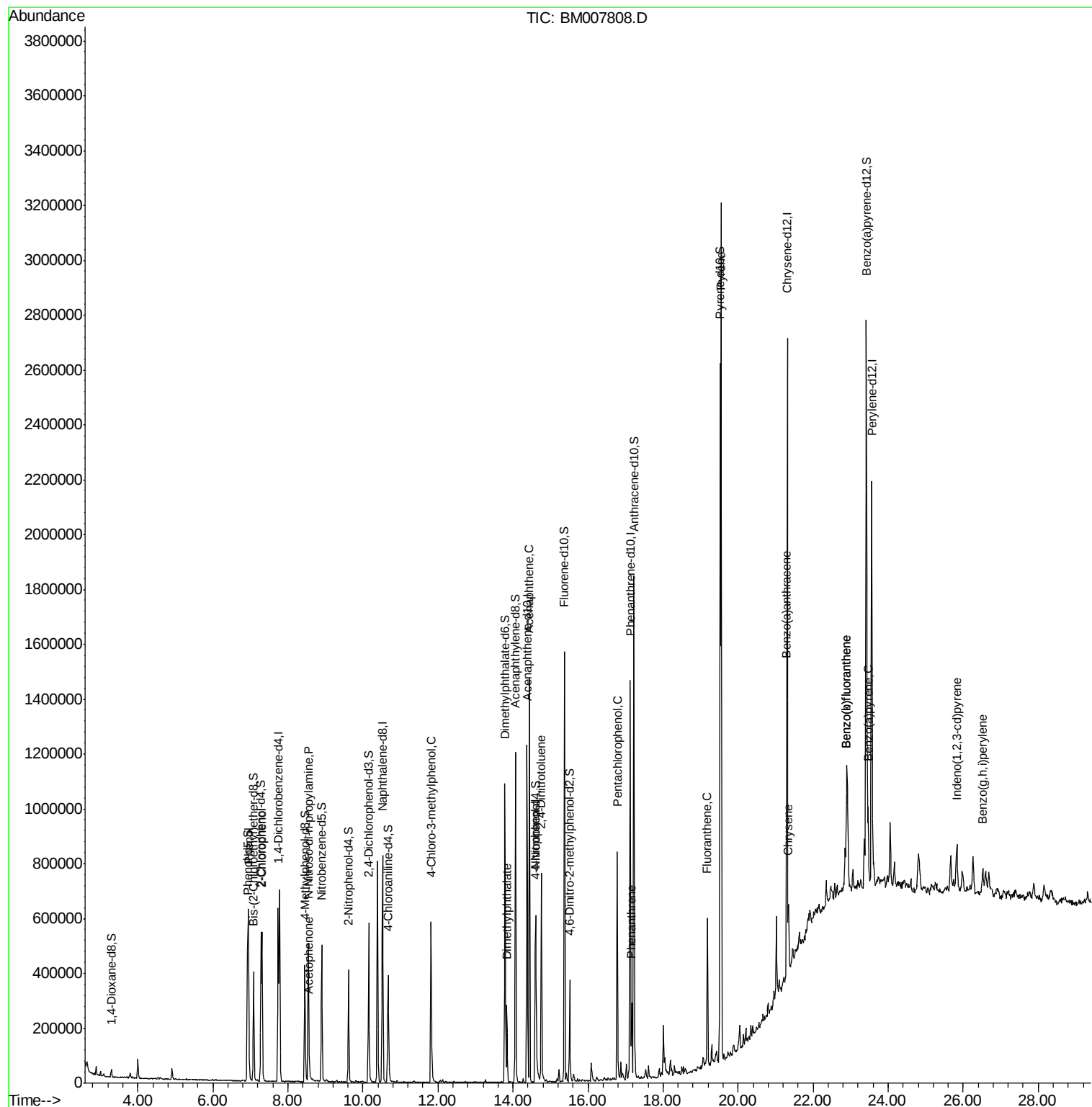
						Qvalue
6) Phenol	6.95	94	343136	24.88	ng/ul	98
10) 2-Chlorophenol	7.31	128	229492	21.71	ng/ul	98
14) Acetophenone	8.57	105	29399	1.78	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.55	70	192138	23.48	ng/ul	94
33) 4-Chloro-3-methylphenol	11.82	107	237462	23.26	ng/ul	95
44) Dimethylphthalate	13.84	163	184394	6.61	ng/ul	99
49) Acenaphthene	14.44	153	577706	23.89	ng/ul	100
52) 4-Nitrophenol	14.61	109	103432	22.97	ng/ul	91
54) 2,4-Dinitrotoluene	14.76	165	206370	27.27	ng/ul	98
68) Pentachlorophenol	16.78	266	150596	25.27	ng/ul	99
69) Phenanthrene	17.16	178	166862	3.73	ng/ul	99
74) Fluoranthene	19.18	202	318964	6.10	ng/ul	99
77) Pyrene	19.55	202	1922933	34.28	ng/ul	98
80) Benzo(a)anthracene	21.29	228	152569	2.63	ng/ul	98
82) Chrysene	21.34	228	159762	2.87	ng/ul	96
85) Benzo(b)fluoranthene	22.89	252	232591	3.62	ng/ul#	94
86) Benzo(k)fluoranthene	22.89	252	233132	3.95	ng/ul#	95
88) Benzo(a)pyrene	23.46	252	193015	3.19	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.83	276	129967	1.79	ng/ul	98
91) Benzo(g,h,i)perylene	26.52	276	111750	1.84	ng/ul	98

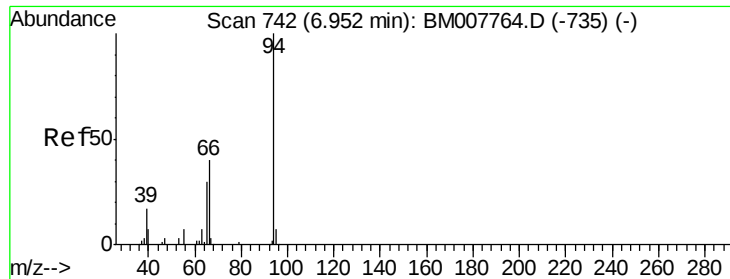
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 24.88 ng/ul

RT: 6.95 min Scan# 741

Delta R.T. -0.00 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

Instrument :

BNA_M

ClientSampled :

E5N91MSD

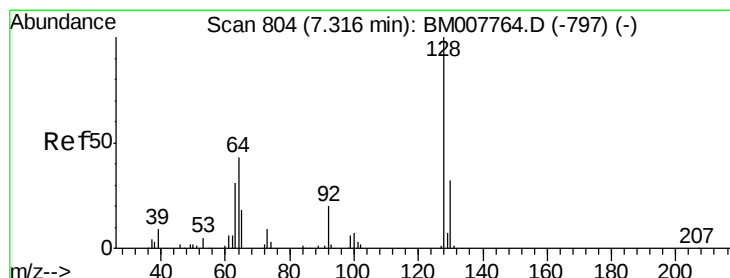
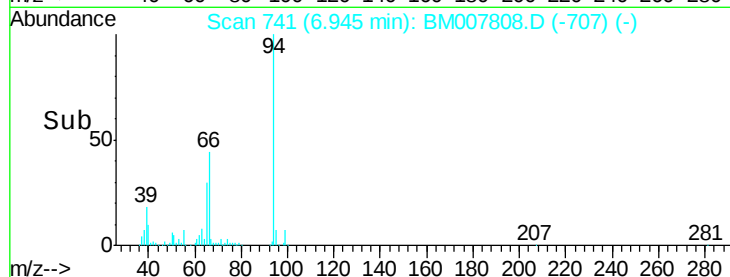
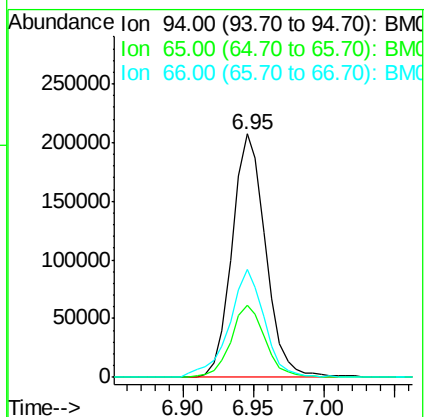
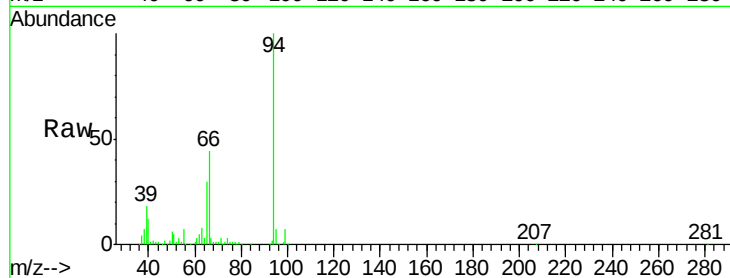
Tgt Ion: 94 Resp: 343136

Ion Ratio Lower Upper

94 100

65 29.8 23.9 35.9

66 44.1 33.5 50.3



#10

2-Chlorophenol

Concen: 21.71 ng/ul

RT: 7.31 min Scan# 803

Delta R.T. -0.00 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

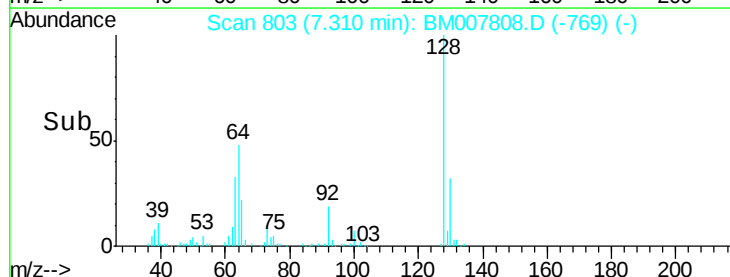
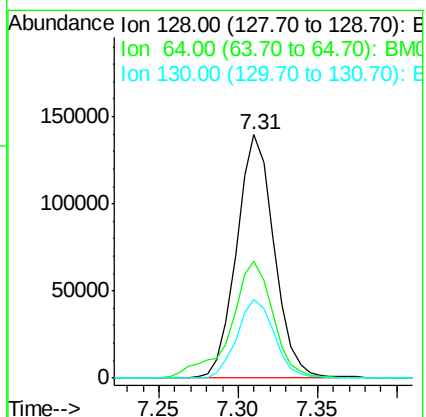
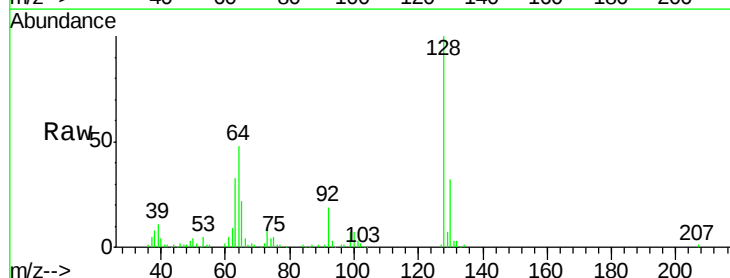
Tgt Ion: 128 Resp: 229492

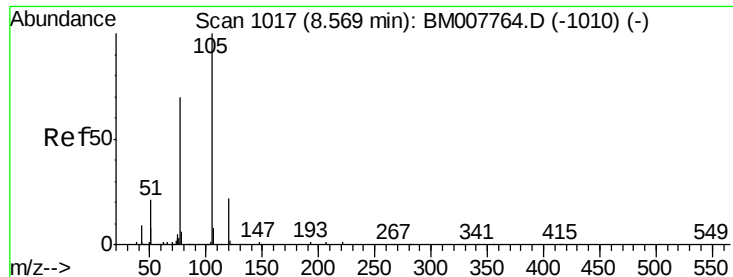
Ion Ratio Lower Upper

128 100

64 47.8 37.5 56.3

130 32.2 25.0 37.4





#14

Acetophenone

Concen: 1.78 ng/ul

RT: 8.57 min Scan# 1017

Delta R.T. 0.01 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

Instrument :

BNA_M

ClientSampleId :

E5N91MSD

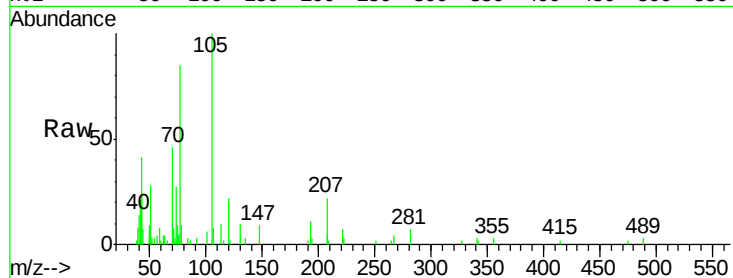
Tgt Ion: 105 Resp: 29399

Ion Ratio Lower Upper

105 100

77 84.5 65.9 98.9

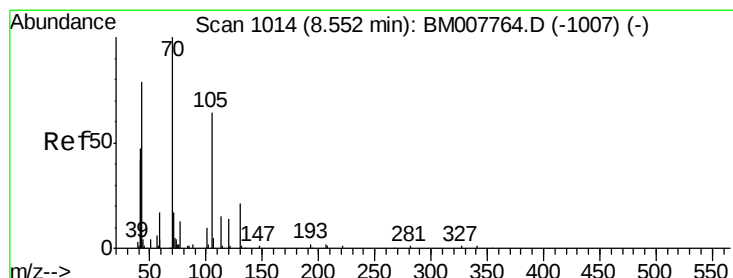
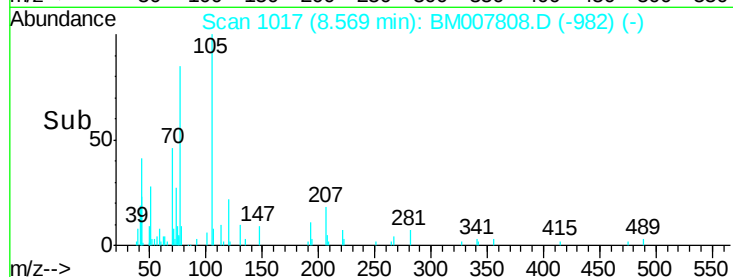
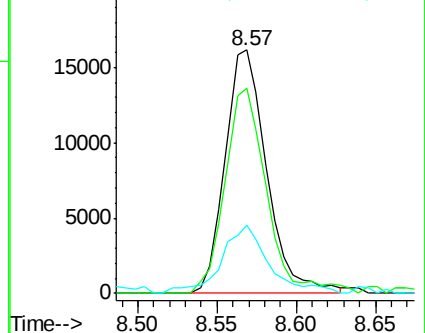
51 28.2 22.2 33.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#15

N-Nitroso-di-n-propylamine

Concen: 23.48 ng/ul

RT: 8.55 min Scan# 1013

Delta R.T. -0.00 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

Tgt Ion: 70 Resp: 192138

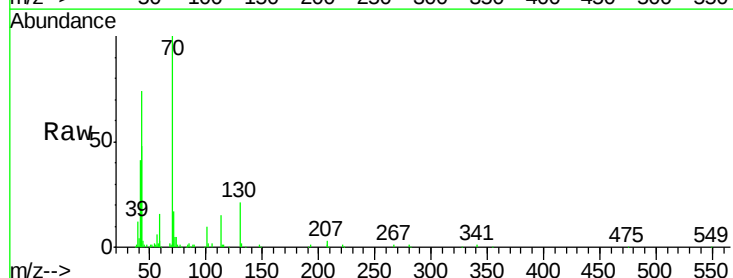
Ion Ratio Lower Upper

70 100

42 48.0 43.4 65.2

101 10.2 7.8 11.6

130 20.6 16.2 24.4

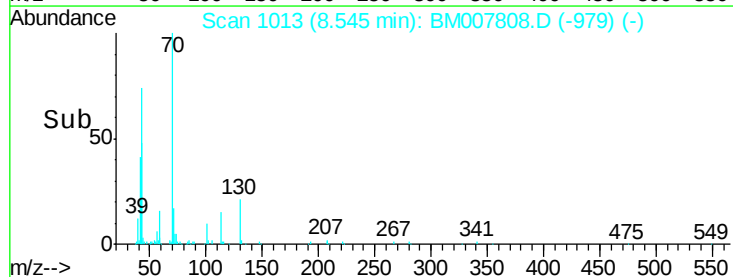
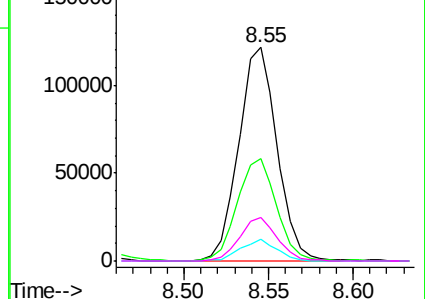


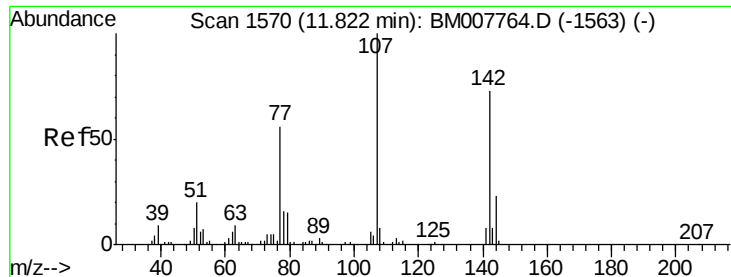
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

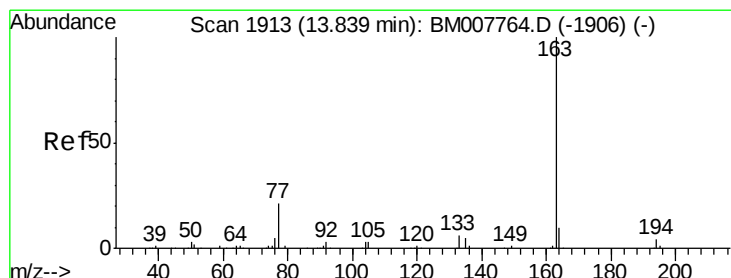
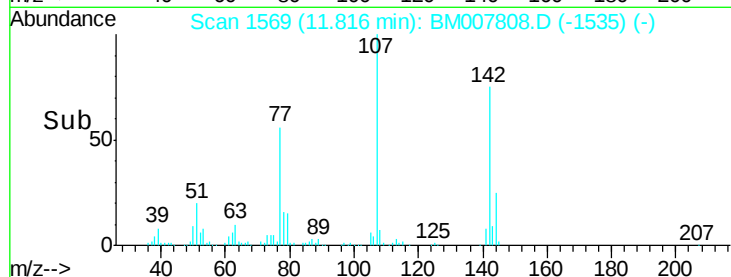
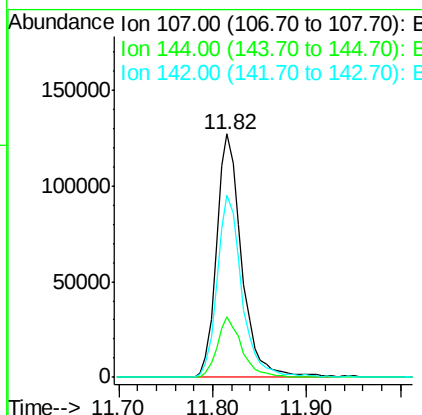
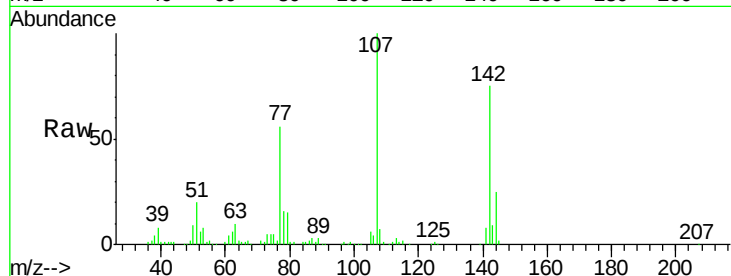




#33
 4-Chloro-3-methylphenol
 Concen: 23.26 ng/ul
 RT: 11.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BM007808.D
 Acq: 09 Nov 2016 21:40

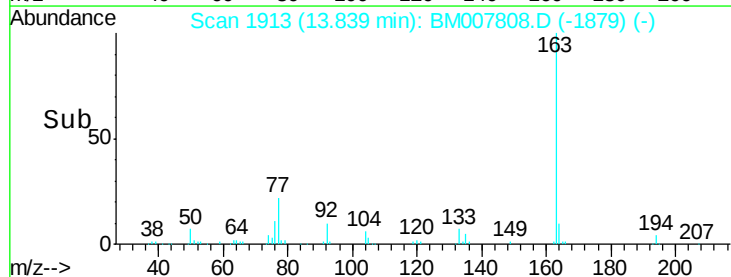
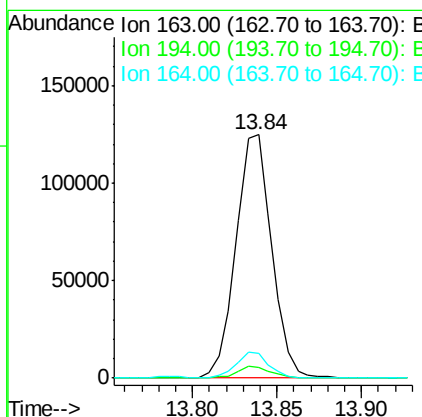
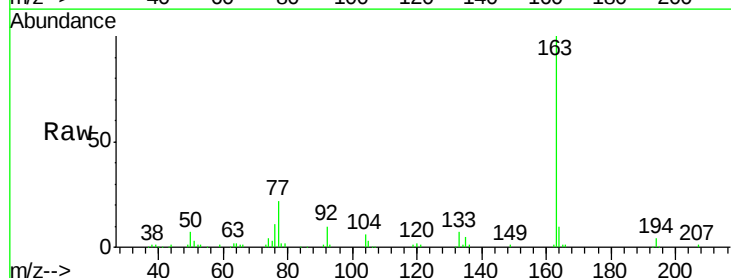
Instrument :
 BNA_M
 ClientSampleId :
 E5N91MSD

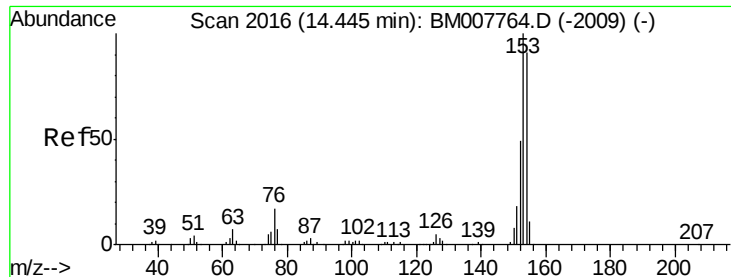
Tgt Ion:107 Resp: 237462
 Ion Ratio Lower Upper
 107 100
 144 24.7 21.1 31.7
 142 75.0 64.1 96.1



#44
 Dimethylphthalate
 Concen: 6.61 ng/ul
 RT: 13.84 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: BM007808.D
 Acq: 09 Nov 2016 21:40

Tgt Ion:163 Resp: 184394
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.4 5.2
 164 10.3 7.8 11.8





#49

Acenaphthene

Concen: 23.89 ng/ul

RT: 14.44 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

Instrument :

BNA_M

ClientSampleId :

E5N91MSD

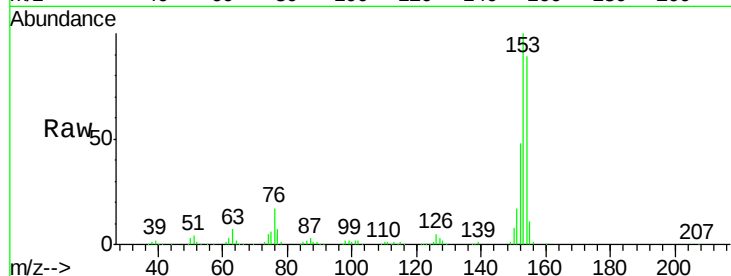
Tgt Ion:153 Resp: 577706

Ion Ratio Lower Upper

153 100

152 47.9 37.8 56.6

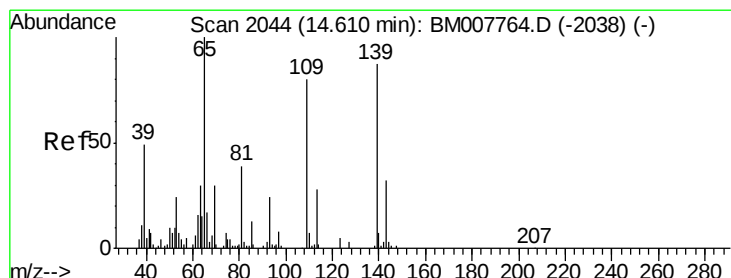
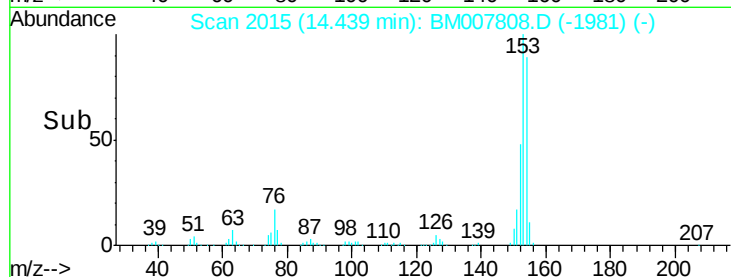
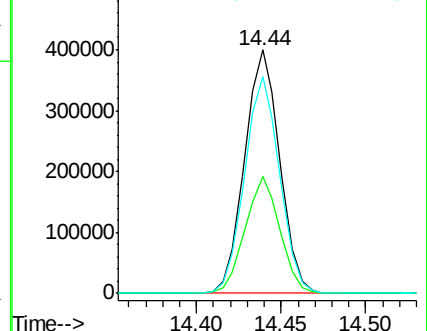
154 89.2 71.4 107.0



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



#52

4-Nitrophenol

Concen: 22.97 ng/ul

RT: 14.61 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

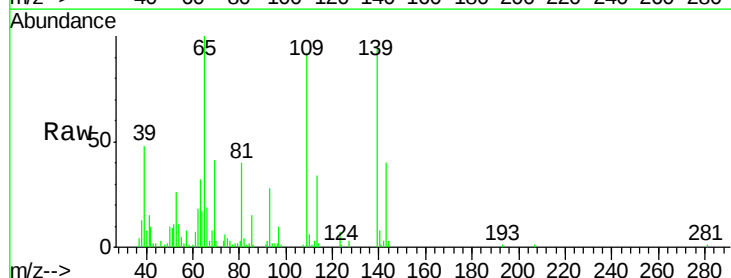
Tgt Ion:109 Resp: 103432

Ion Ratio Lower Upper

109 100

139 103.7 88.7 133.1

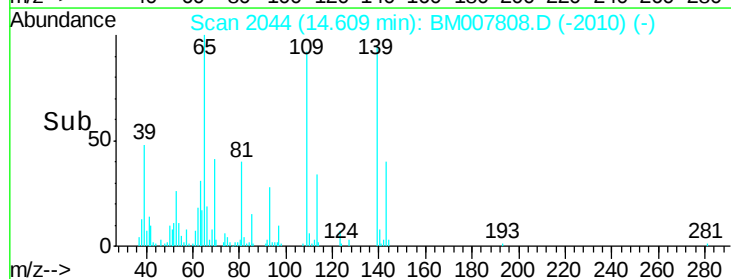
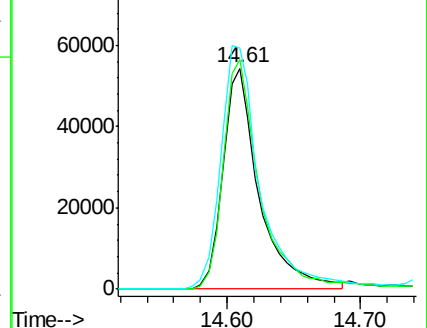
65 109.2 96.4 144.6

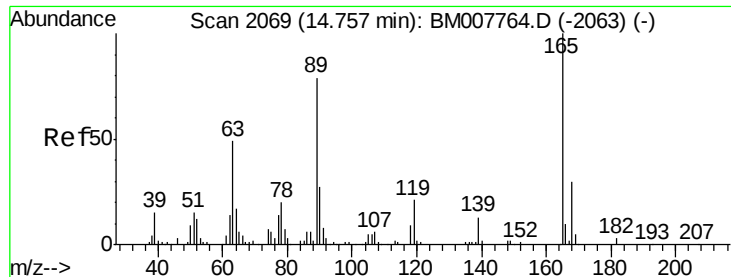


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

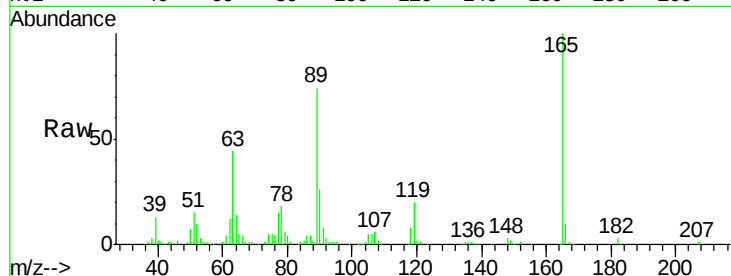




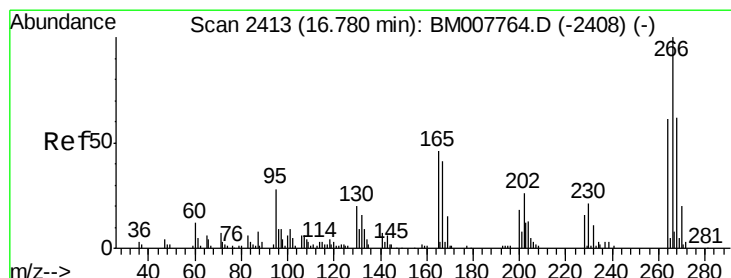
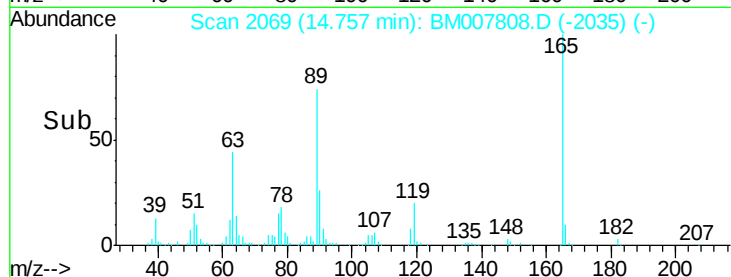
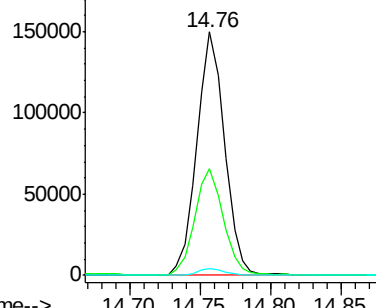
#54
 2,4-Dinitrotoluene
 Concen: 27.27 ng/ul
 RT: 14.76 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BM007808.D
 Acq: 09 Nov 2016 21:40

Instrument :
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 E5N91MSD

Tgt Ion:165 Resp: 206370
 Ion Ratio Lower Upper
 165 100
 63 43.9 36.2 54.2
 182 3.0 2.2 3.4

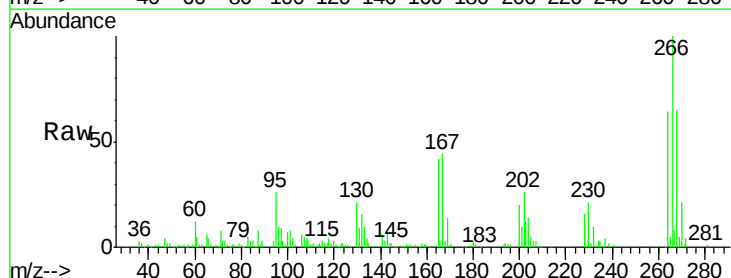


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM
 Ion 182.00 (181.70 to 182.70): E

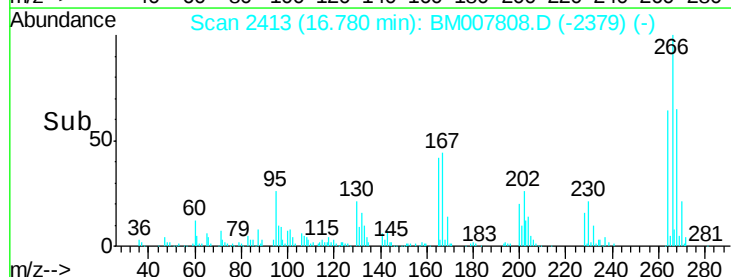
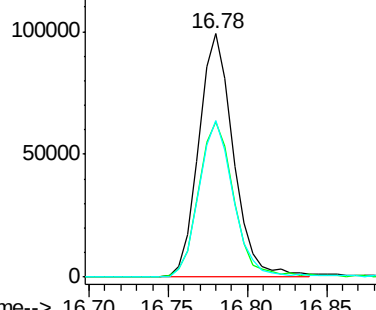


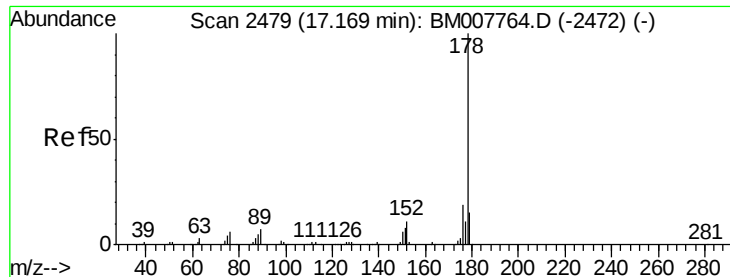
#68
 Pentachlorophenol
 Concen: 25.27 ng/ul
 RT: 16.78 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BM007808.D
 Acq: 09 Nov 2016 21:40

Tgt Ion:266 Resp: 150596
 Ion Ratio Lower Upper
 266 100
 264 64.0 50.6 75.8
 268 64.6 51.0 76.6



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: 3.73 ng/ul

RT: 17.16 min Scan# 2478

Delta R.T. -0.01 min

Lab File: BM007808.D

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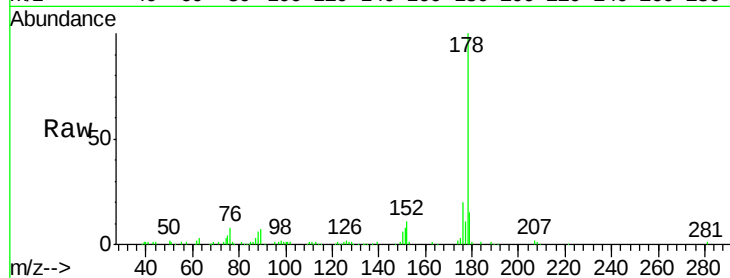
Tgt Ion:178 Resp: 166862

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

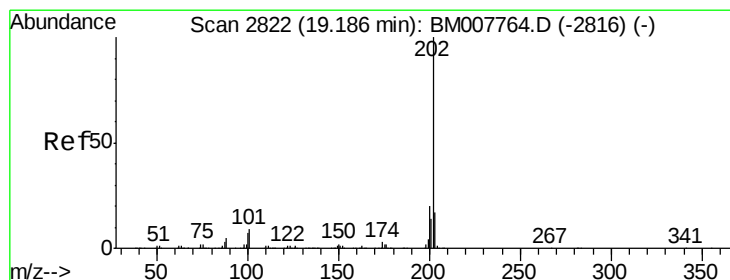
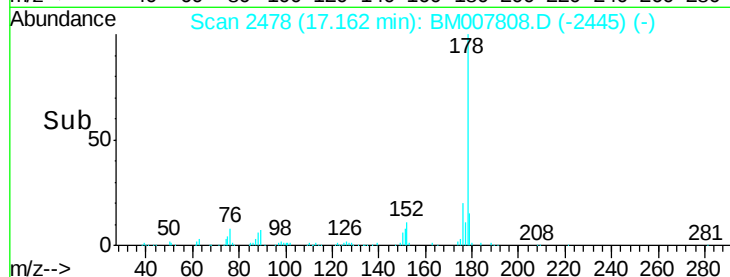
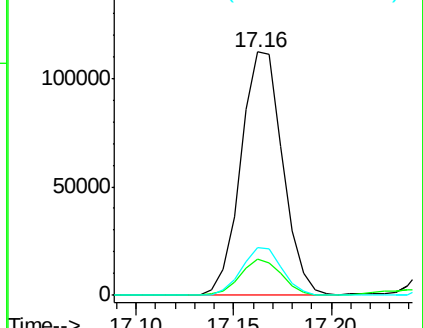
176 19.6 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Fluoranthene

Concen: 6.10 ng/ul

RT: 19.18 min Scan# 2821

Delta R.T. -0.01 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

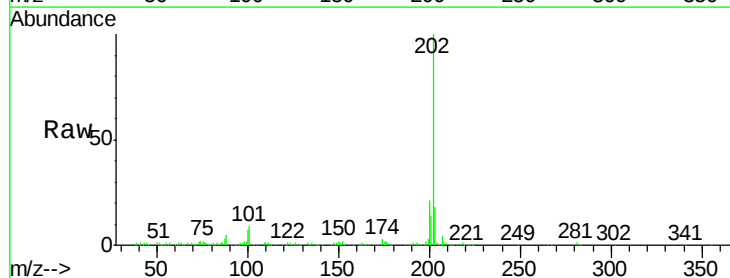
Tgt Ion:202 Resp: 318964

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

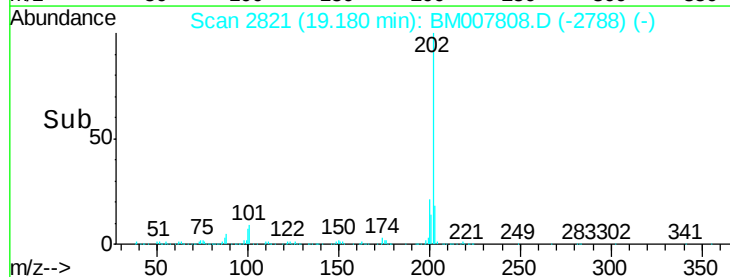
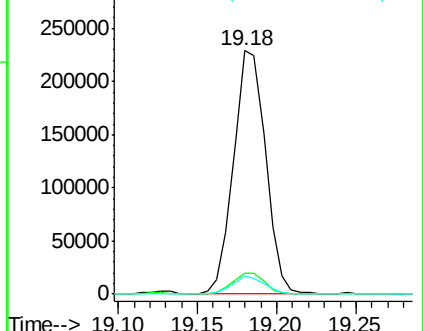
100 7.4 5.4 8.0

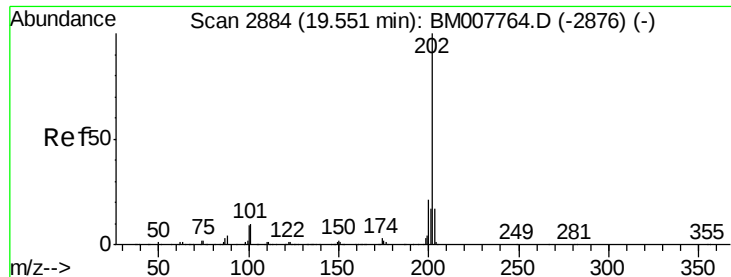


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

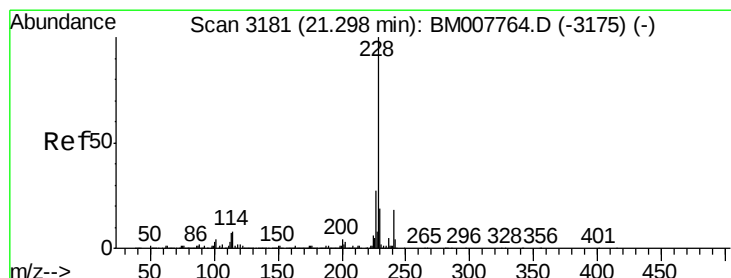
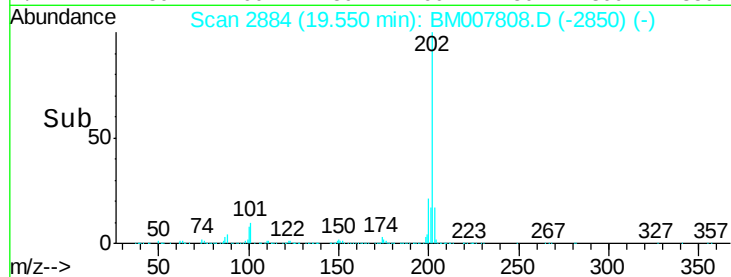
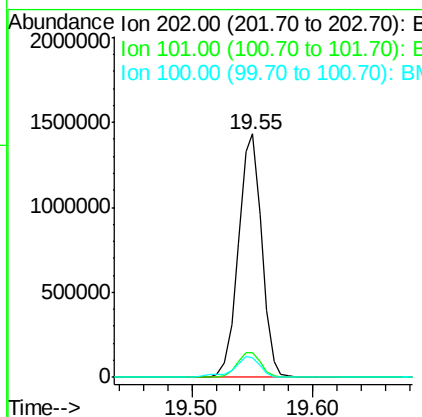
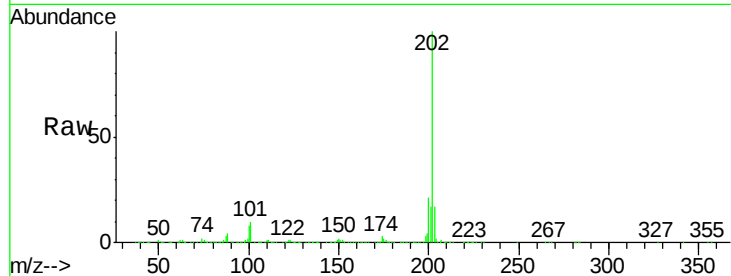




#77
 Pyrene
 Concen: 34.28 ng/ul
 RT: 19.55 min Scan# 2884
 Delta R.T. -0.00 min
 Lab File: BM007808.D
 Acq: 09 Nov 2016 21:40

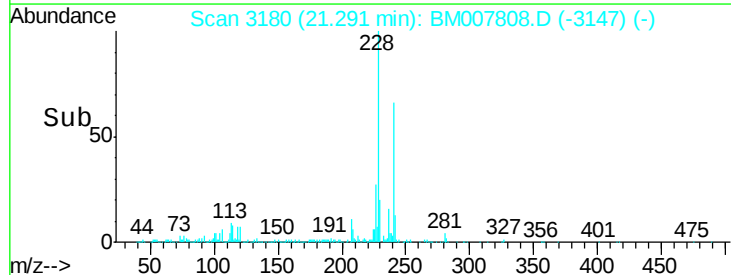
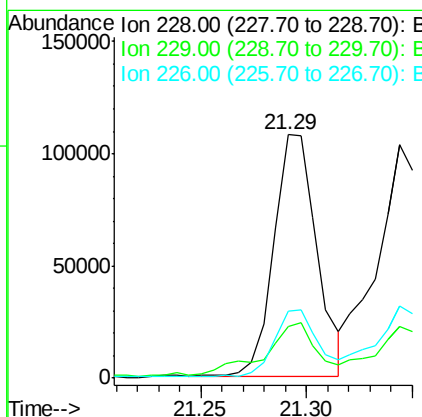
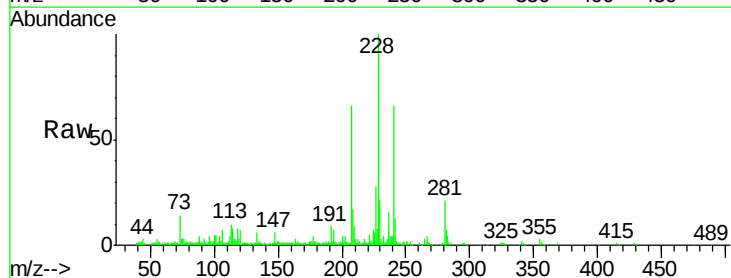
Instrument :
 BNA_M
 ClientSampleId :
 E5N91MSD

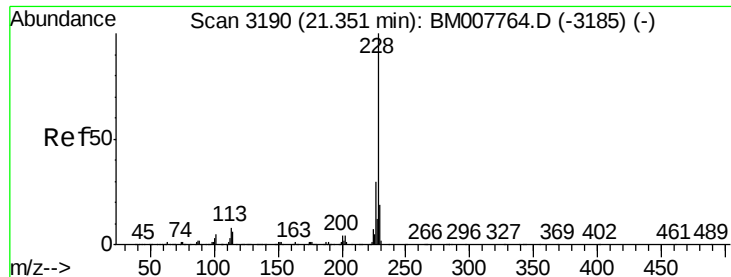
Tgt Ion: 202 Resp: 1922933
 Ion Ratio Lower Upper
 202 100
 101 9.9 8.4 12.6
 100 8.0 6.9 10.3



#80
 Benzo(a)anthracene
 Concen: 2.63 ng/ul
 RT: 21.29 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BM007808.D
 Acq: 09 Nov 2016 21:40

Tgt Ion: 228 Resp: 152569
 Ion Ratio Lower Upper
 228 100
 229 21.0 15.6 23.4
 226 27.6 21.8 32.8





#82

Chrysene

Concen: 2.87 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. -0.00 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

Instrument :

BNA_M

ClientSampleId :

E5N91MSD

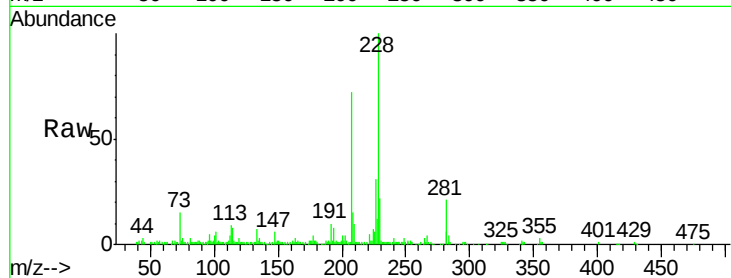
Tgt Ion:228 Resp: 159762

Ion Ratio Lower Upper

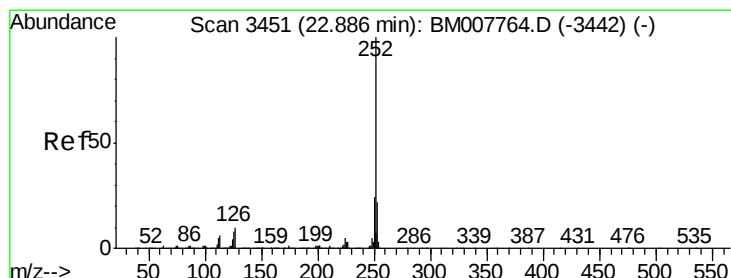
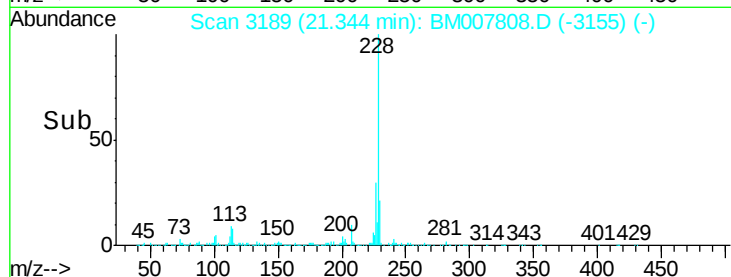
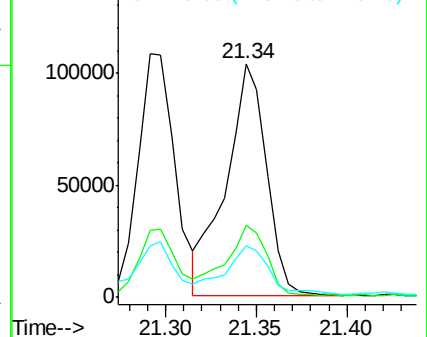
228 100

226 30.9 23.4 35.2

229 22.0 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 3.62 ng/ul

RT: 22.89 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

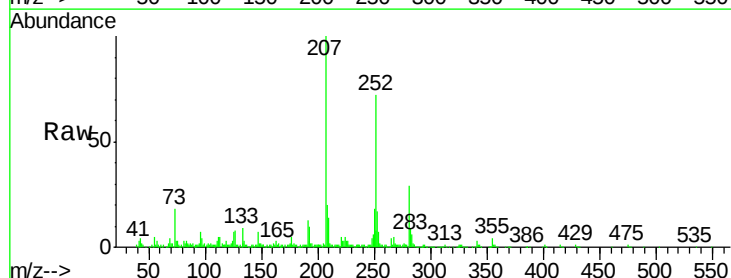
Tgt Ion:252 Resp: 232591

Ion Ratio Lower Upper

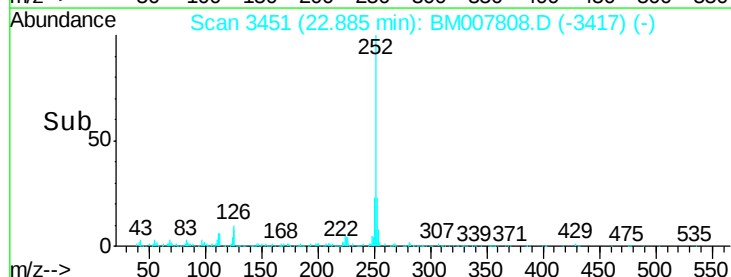
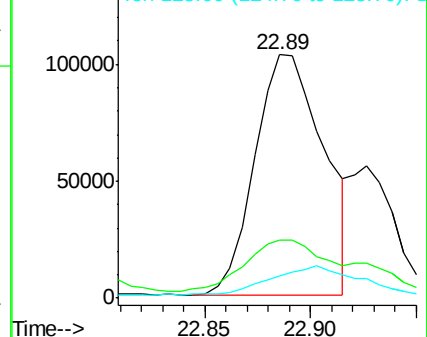
252 100

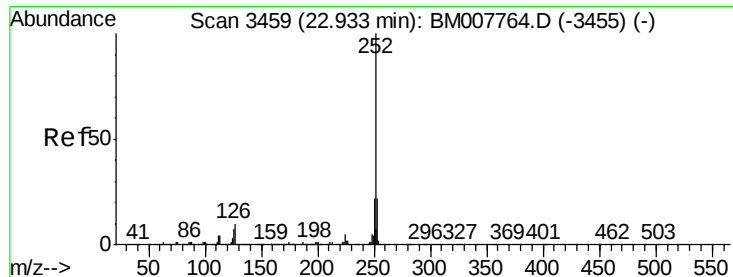
253 24.0 17.1 25.7

125 9.3 5.8 8.8#



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

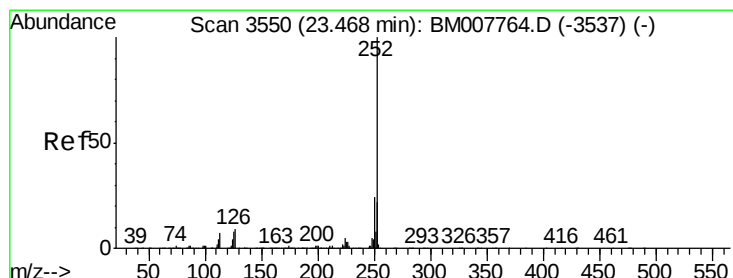
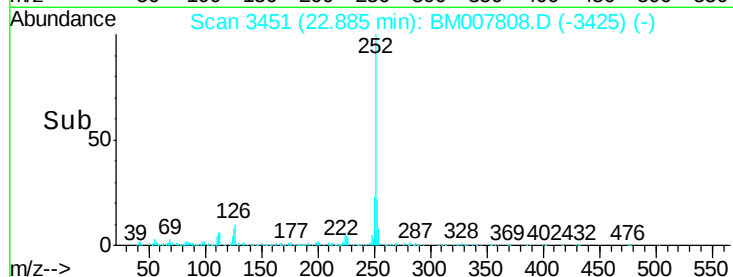
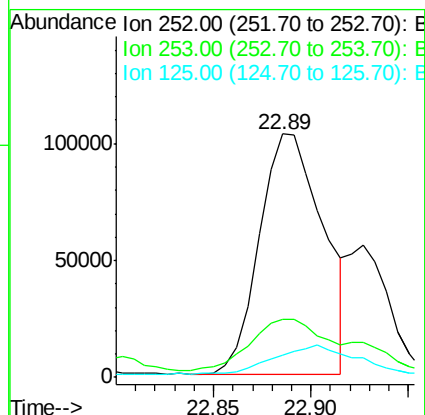
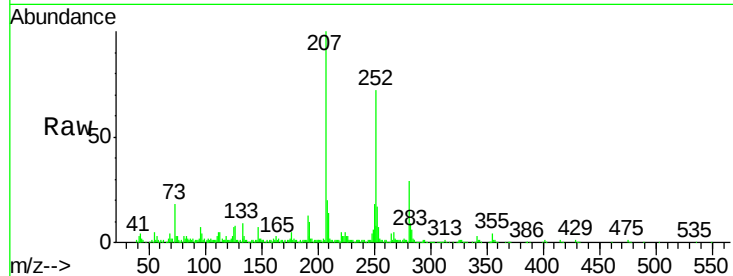




#86
Benzo(k)fluoranthene
Concen: 3.95 ng/ul
RT: 22.89 min Scan# 3451
Delta R.T. -0.05 min
Lab File: BM007808.D
Acq: 09 Nov 2016 21:40

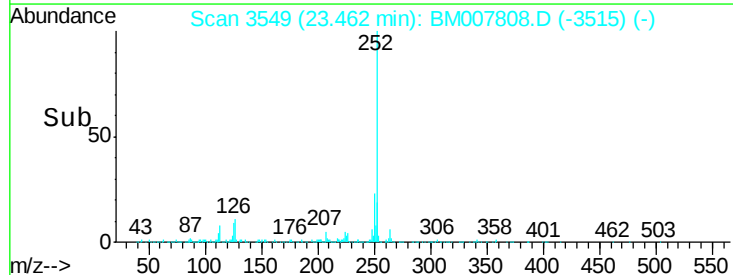
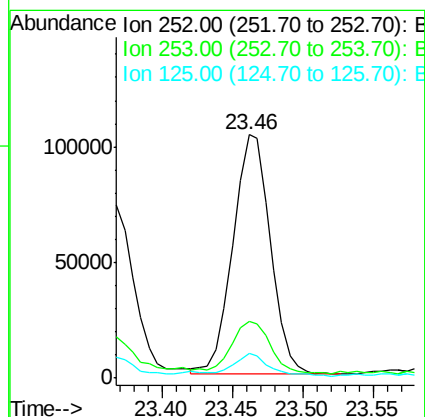
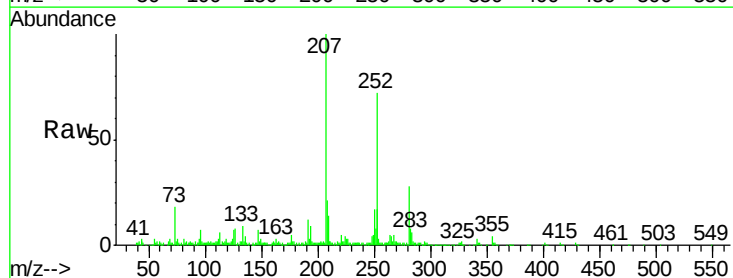
Instrument :
BNA_M
ClientSampleId :
E5N91MSD

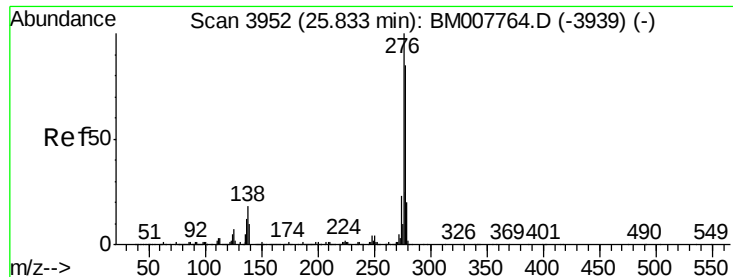
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	9.3	5.7	8.5#



#88
Benzo(a)pyrene
Concen: 3.19 ng/ul
RT: 23.46 min Scan# 3549
Delta R.T. -0.00 min
Lab File: BM007808.D
Acq: 09 Nov 2016 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	10.4	6.6	9.8#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.79 ng/ul

RT: 25.83 min Scan# 3952

Delta R.T. 0.01 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

Instrument :

BNA_M

ClientSampleId :

E5N91MSD

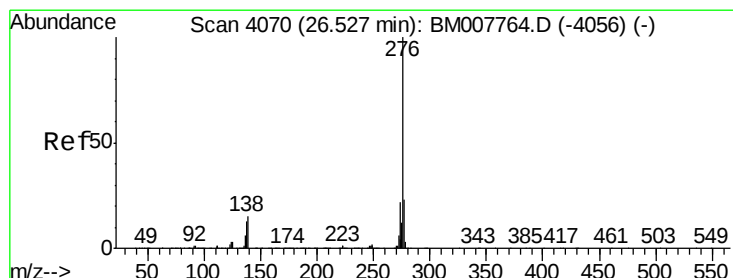
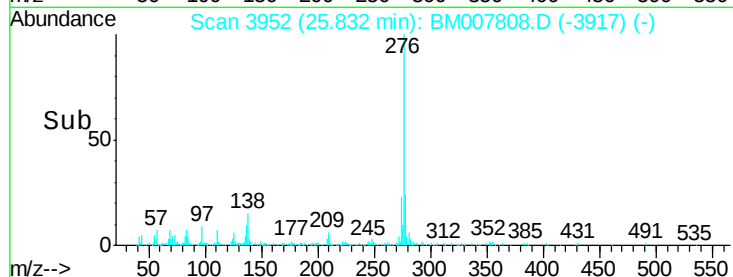
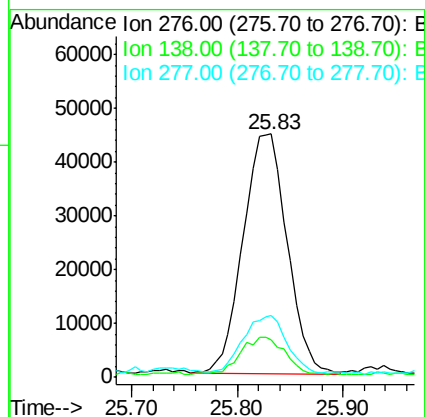
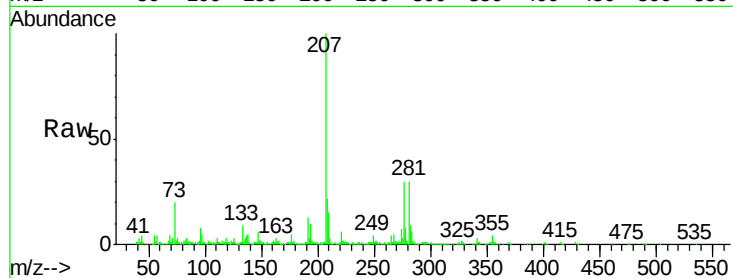
Tgt Ion:276 Resp: 129967

Ion Ratio Lower Upper

276 100

138 15.3 13.9 20.9

277 25.3 20.1 30.1



#91

Benzo(g,h,i)perylene

Concen: 1.84 ng/ul

RT: 26.52 min Scan# 4069

Delta R.T. -0.01 min

Lab File: BM007808.D

Acq: 09 Nov 2016 21:40

Tgt Ion:276 Resp: 111750

Ion Ratio Lower Upper

276 100

138 17.0 13.5 20.3

277 25.3 19.3 28.9

