

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031115\
 Data File : BM000694.D
 Acq On : 11 Mar 2015 16:03
 Operator : TP/IZ
 Sample : G1452-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1K79

Quant Time: Mar 12 07:44:01 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 12 07:14:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	131085	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	535451	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.31	164	287840	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	585076	20.00	ng/ul	0.00
75) Chrysene-d12	21.25	240	585383	20.00	ng/ul	0.00
83) Perylene-d12	23.46	264	575678	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	12590	4.64	ng/uL	0.00
5) Phenol-d5	6.82	99	294101	29.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	184629	31.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	243102	30.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	235729	30.34	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	111508	32.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	105113	28.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	219138	29.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	176996	20.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	589636	32.01	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	908854	34.13	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	81718	21.41	ng/ul	0.00
57) Fluorene-d10	15.30	176	646068	33.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	35487	11.14	ng/ul	0.00
70) Anthracene-d10	17.15	188	977473	36.44	ng/ul	0.00
76) Pyrene-d10	19.46	212	1063441	40.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.31	264	987981	39.33	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.79	77	252605	46.18	ng/ul	96
10) 2-Chlorophenol	7.22	128	43337	4.98	ng/ul	97
23) 2-Nitrophenol	9.56	139	156739	36.04	ng/ul	99
28) Naphthalene	10.49	128	219780	7.59	ng/ul	99
31) Hexachlorobutadiene	10.77	225	89625	18.36	ng/ul	94
33) 4-Chloro-3-methylphenol	11.73	107	129393	16.20	ng/ul	96
36) 1,2,4,5-Tetrachlorobenzene	12.48	216	71405	8.04	ng/ul	96
38) 2,4,6-Trichlorophenol	12.73	196	88482	18.85	ng/ul	99
40) 1,1'-Biphenyl	13.13	154	605114	25.04	ng/ul	99
44) Dimethylphthalate	13.77	163	540986	25.00	ng/ul	99
45) 2,6-Dinitrotoluene	13.89	165	61396	15.74	ng/ul	97
52) 4-Nitrophenol	14.53	109	89253	31.47	ng/ul	96
53) Dibenzofuran	14.70	168	286143	10.15	ng/ul	100
63) 4,6-Dinitro-2-methylphenol	15.44	198	31513	8.85	ng/ul#	93
66) Hexachlorobenzene	16.36	284	54709	8.79	ng/ul	95
68) Pentachlorophenol	16.71	266	50980	15.62	ng/ul	96
69) Phenanthrene	17.10	178	910935	26.93	ng/ul	99
71) Anthracene	17.19	178	390136	11.34	ng/ul	99
73) Di-n-butylphthalate	18.03	149	495109	16.30	ng/ul	99
74) Fluoranthene	19.12	202	820516	22.09	ng/ul	99
77) Pyrene	19.48	202	880052	23.78	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.17	149	452112	25.94	ng/ul	99
82) Chrysene	21.29	228	663146	19.83	ng/ul	100

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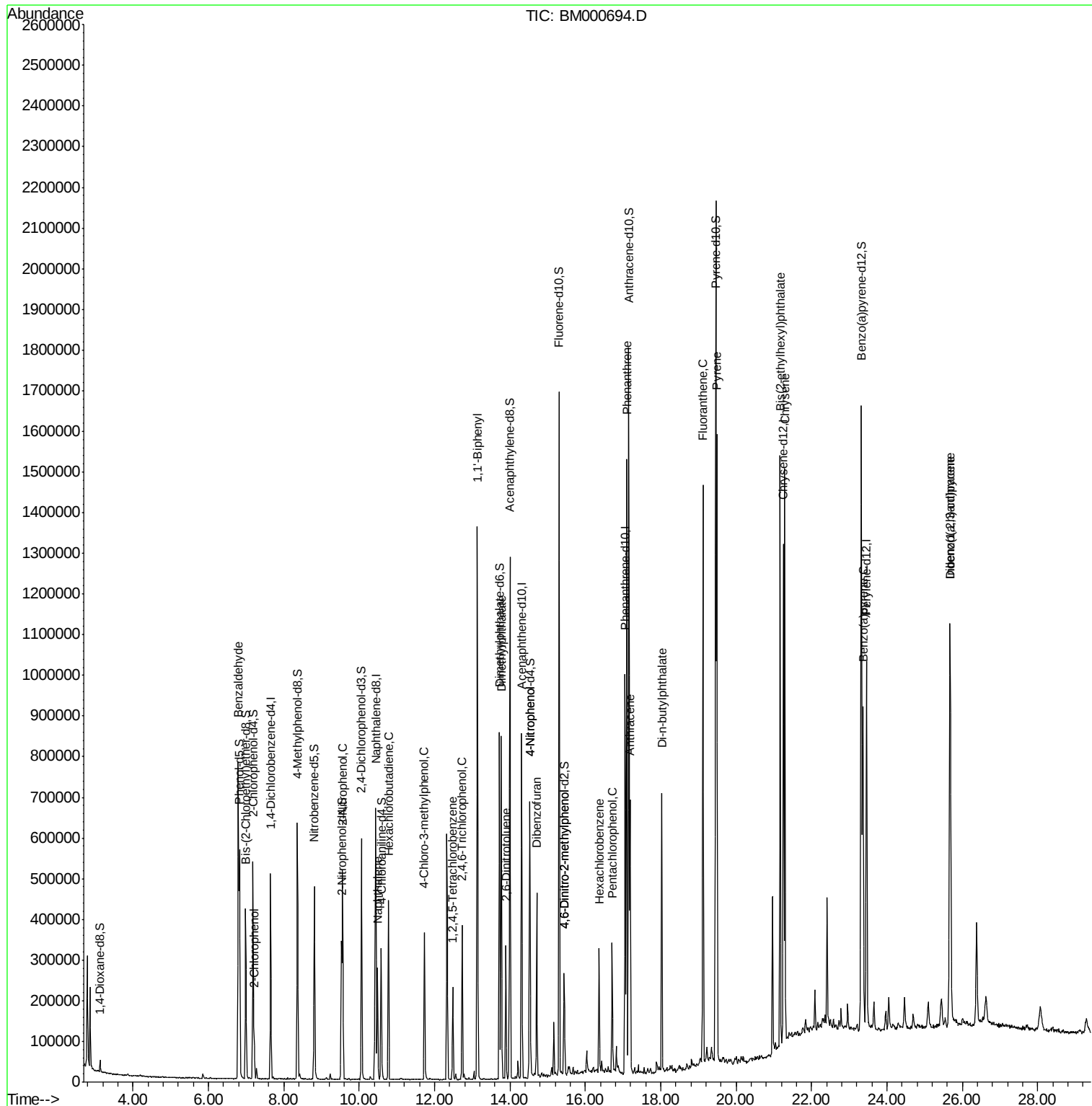
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.36	252	554056	16.36	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.67	276	754711	20.25	ng/ul	94
90) Dibenzo(a,h)anthracene	25.68	278	399352	12.63	ng/ul	98

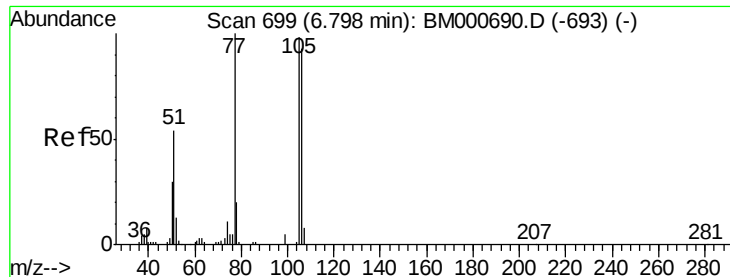
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 46.18 ng/ul

RT: 6.79 min Scan# 698

Delta R.T. -0.01 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

Instrument :

BNA_M

ClientSampleId :

X1K79

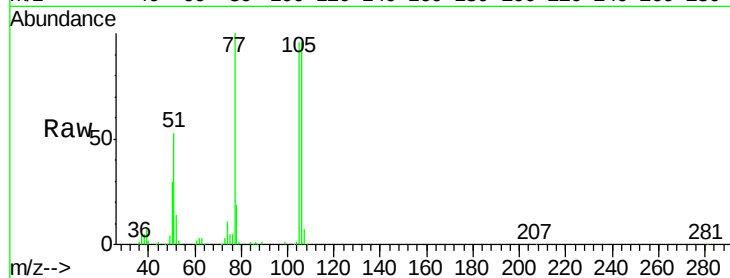
Tgt Ion: 77 Resp: 252605

Ion Ratio Lower Upper

77 100

105 96.2 80.2 120.4

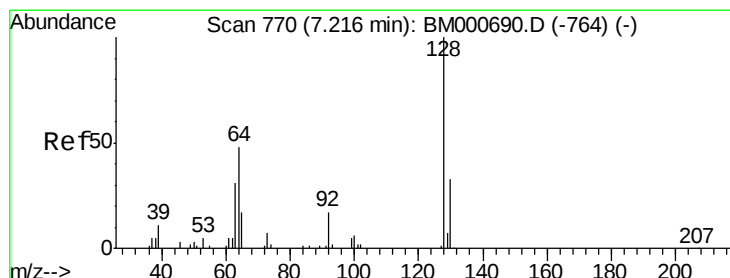
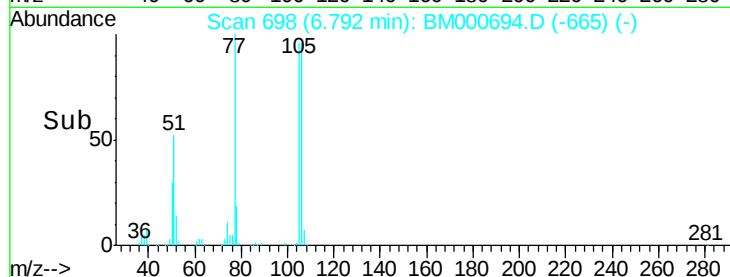
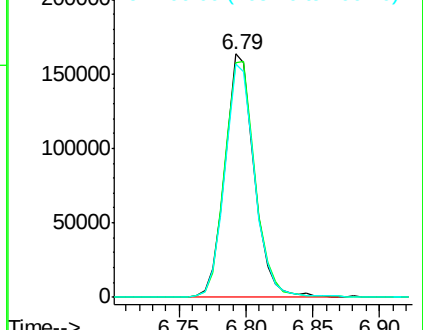
106 95.8 79.4 119.0



Abundance Ion 77.00 (76.70 to 77.70): BM000694.D (-693) (-)

Ion 105.00 (104.70 to 105.70): BM000694.D (-693) (-)

Ion 106.00 (105.70 to 106.70): BM000694.D (-693) (-)



#10

2-Chlorophenol

Concen: 4.98 ng/ul

RT: 7.22 min Scan# 770

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

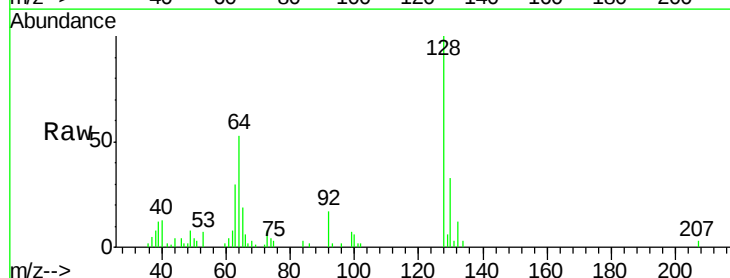
Tgt Ion: 128 Resp: 43337

Ion Ratio Lower Upper

128 100

64 53.0 39.9 59.9

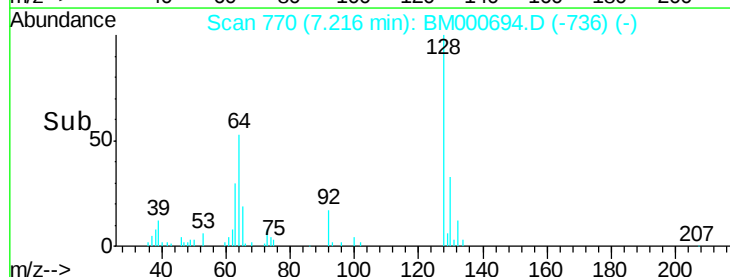
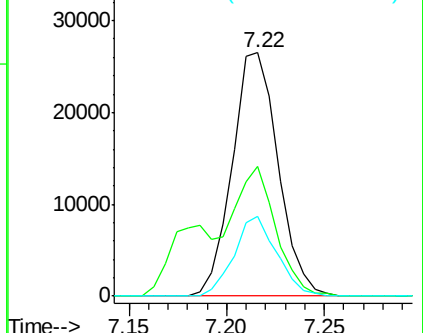
130 32.6 25.6 38.4

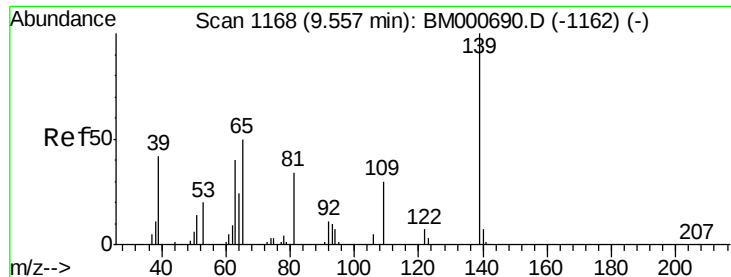


Abundance Ion 128.00 (127.70 to 128.70): BM000694.D (-764) (-)

Ion 64.00 (63.70 to 64.70): BM000694.D (-764) (-)

Ion 130.00 (129.70 to 130.70): BM000694.D (-764) (-)

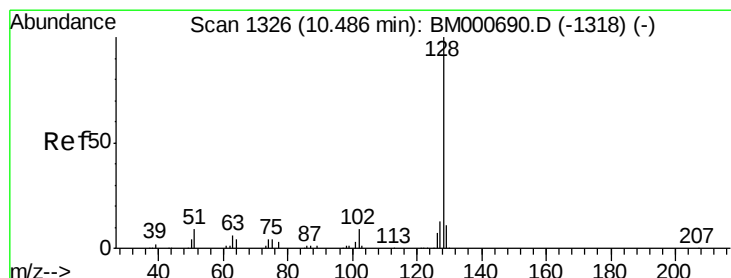
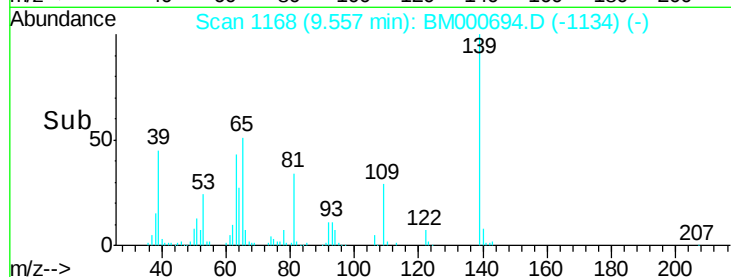
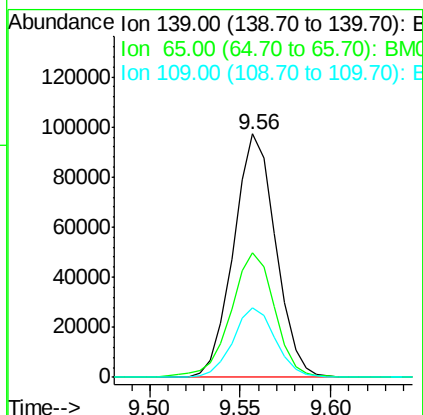
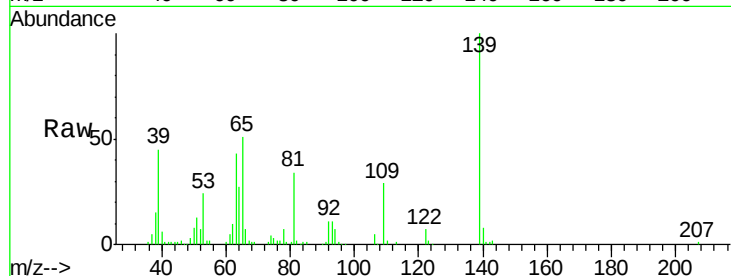




#23
2-Nitrophenol
Concen: 36.04 ng/ul
RT: 9.56 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BM000694.D
Acq: 11 Mar 2015 16:03

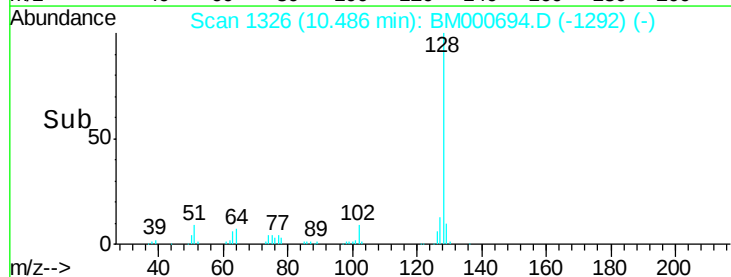
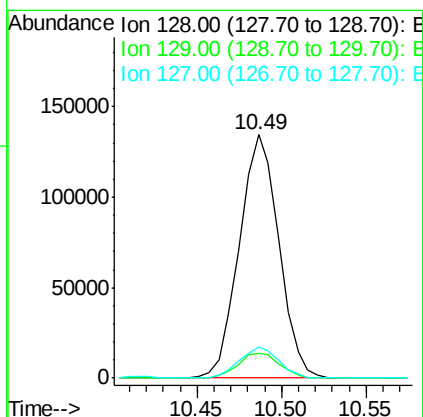
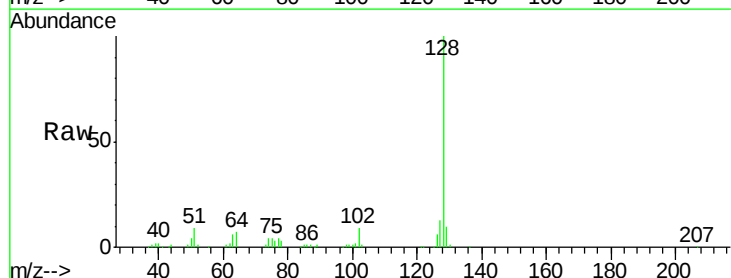
Instrument :
BNA_M
ClientSampleId :
X1K79

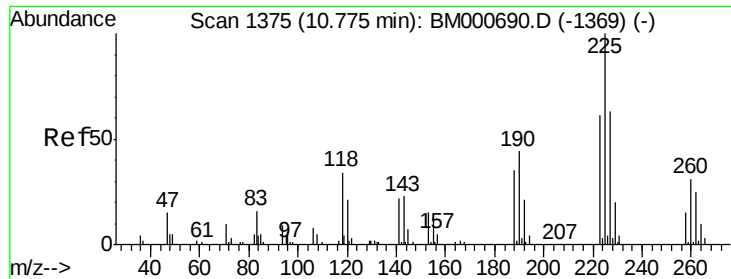
Tgt Ion:139 Resp: 156739
Ion Ratio Lower Upper
139 100
65 51.2 41.4 62.0
109 28.7 23.2 34.8



#28
Naphthalene
Concen: 7.59 ng/ul
RT: 10.49 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BM000694.D
Acq: 11 Mar 2015 16:03

Tgt Ion:128 Resp: 219780
Ion Ratio Lower Upper
128 100
129 10.1 8.8 13.2
127 12.8 10.3 15.5





#31

Hexachlorobutadiene

Concen: 18.36 ng/ul

RT: 10.77 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

Instrument :

BNA_M

ClientSampleId :

X1K79

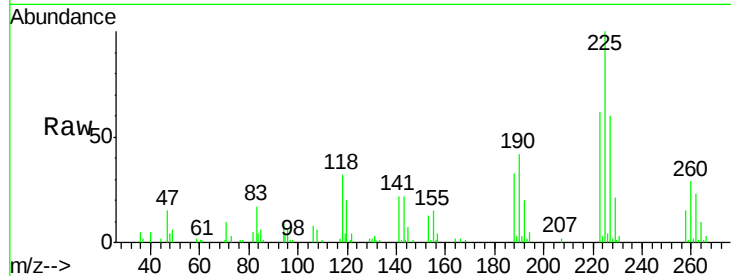
Tgt Ion:225 Resp: 89625

Ion Ratio Lower Upper

225 100

223 62.2 53.5 80.3

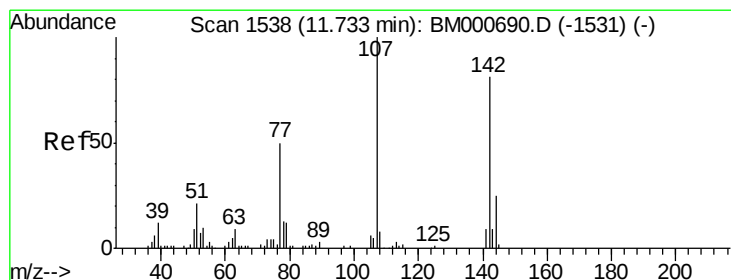
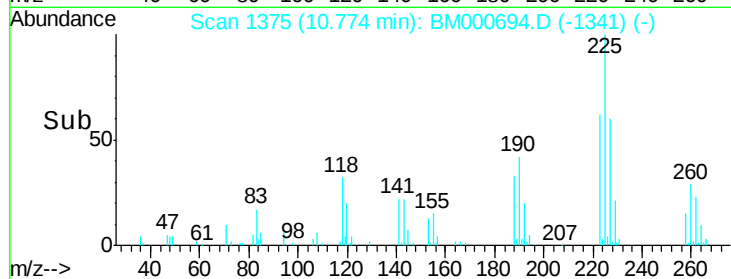
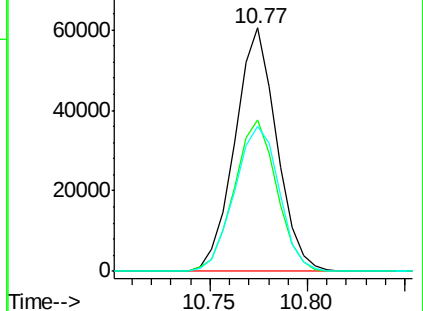
227 59.5 51.5 77.3



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#33

4-Chloro-3-methylphenol

Concen: 16.20 ng/ul

RT: 11.73 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

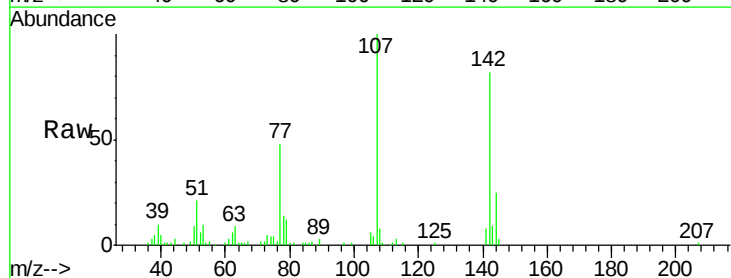
Tgt Ion:107 Resp: 129393

Ion Ratio Lower Upper

107 100

144 25.1 20.6 31.0

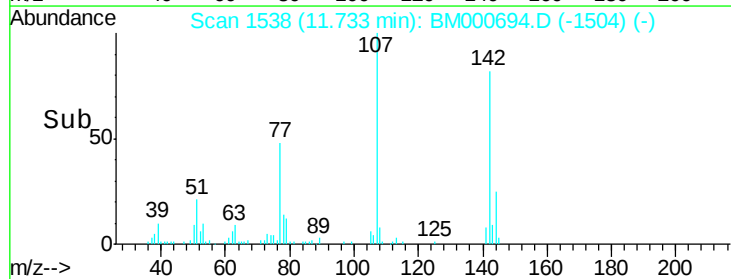
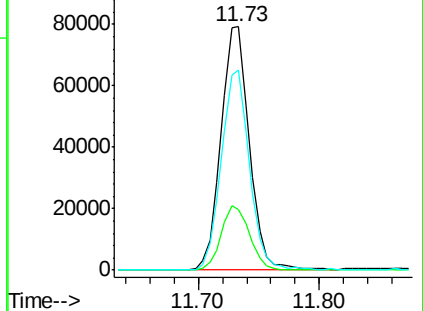
142 82.0 61.8 92.6

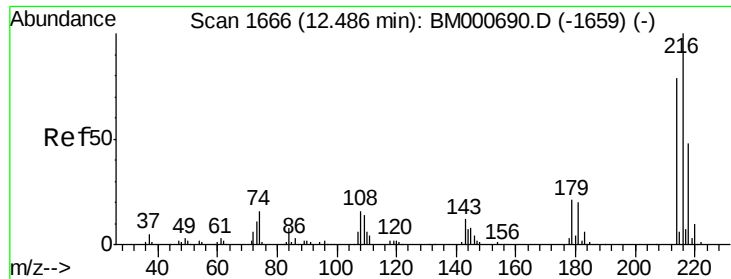


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

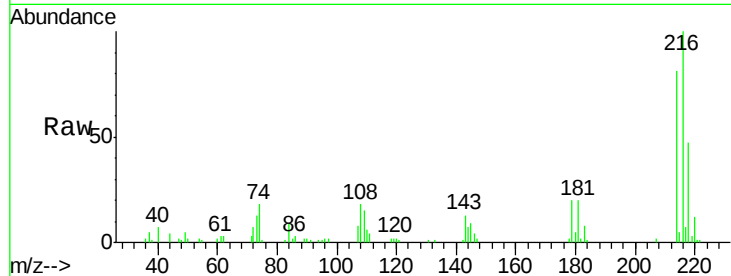




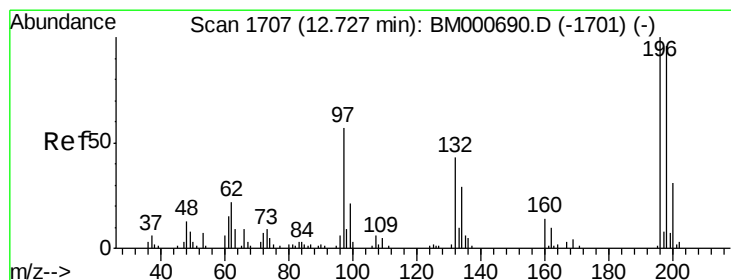
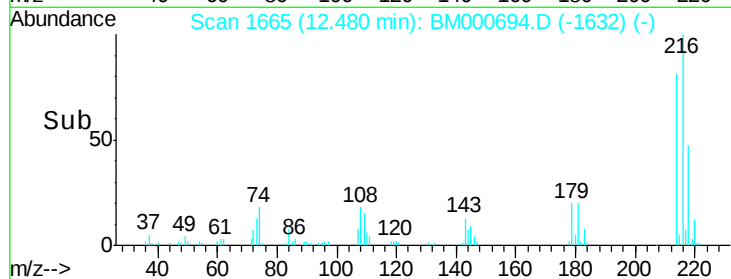
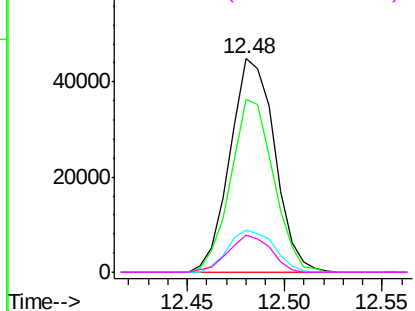
#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 8.04 ng/ul
 RT: 12.48 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BM000694.D
 Acq: 11 Mar 2015 16:03

Instrument :
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Tgt Ion:	216	Resp:	71405
Ion	Ratio	Lower	Upper
216	100		
214	81.0	61.3	91.9
179	20.0	16.0	24.0
108	17.6	14.0	21.0

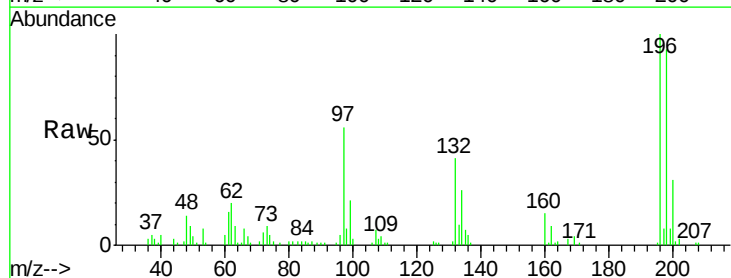


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

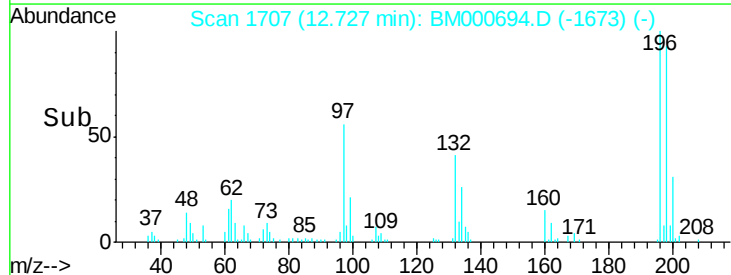
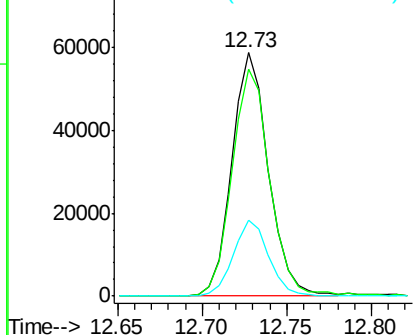


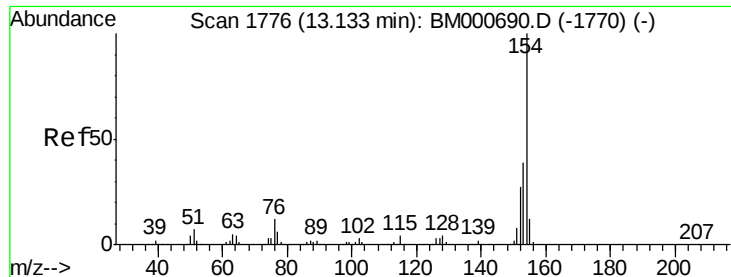
#38
 2,4,6-Trichlorophenol
 Concen: 18.85 ng/ul
 RT: 12.73 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: BM000694.D
 Acq: 11 Mar 2015 16:03

Tgt Ion:	196	Resp:	88482
Ion	Ratio	Lower	Upper
196	100		
198	93.5	76.2	114.4
200	31.0	24.6	37.0



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

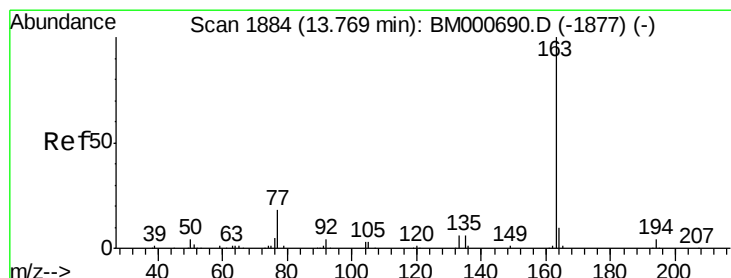
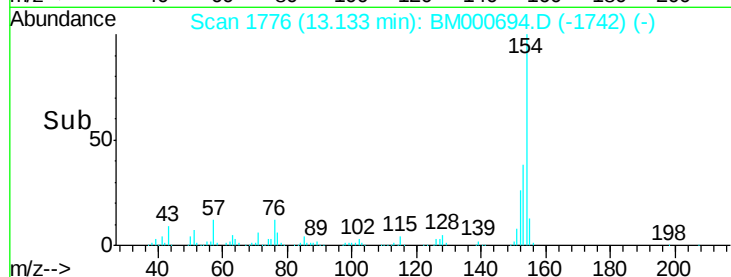
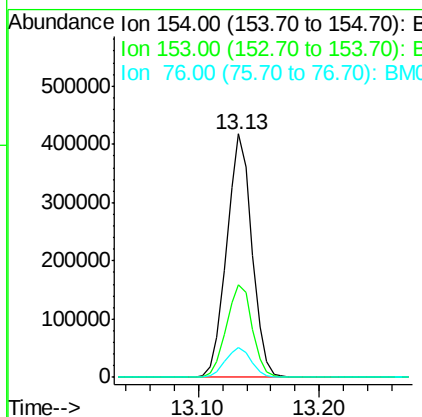
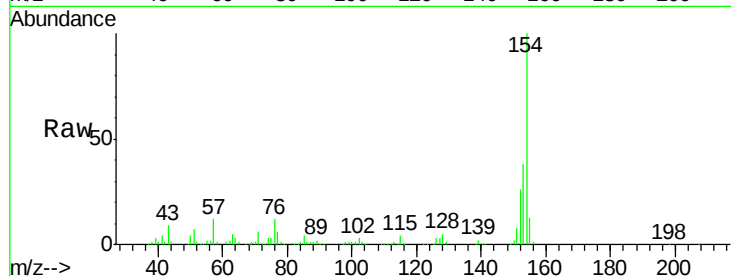




#40
1,1'-Biphenyl
Concen: 25.04 ng/ul
RT: 13.13 min Scan# 1776
Delta R.T. -0.00 min
Lab File: BM000694.D
Acq: 11 Mar 2015 16:03

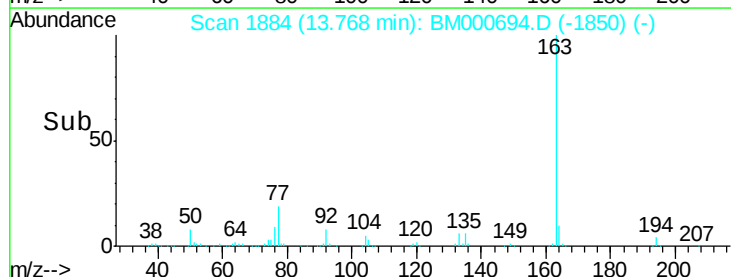
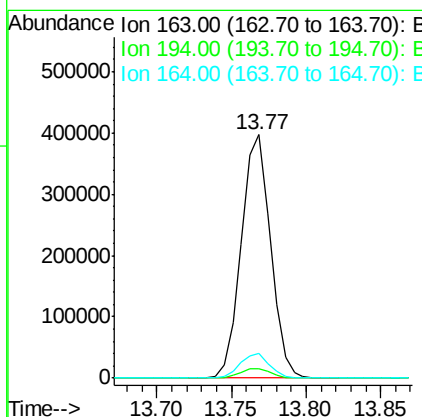
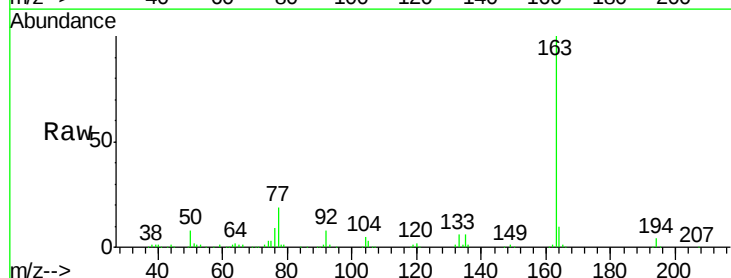
Instrument :
BNA_M
ClientSampled :
X1K79

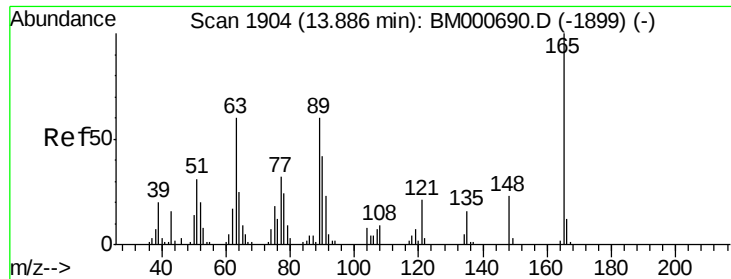
Tgt Ion:154 Resp: 605114
Ion Ratio Lower Upper
154 100
153 37.9 31.0 46.4
76 12.3 9.6 14.4



#44
Dimethylphthalate
Concen: 25.00 ng/ul
RT: 13.77 min Scan# 1884
Delta R.T. -0.00 min
Lab File: BM000694.D
Acq: 11 Mar 2015 16:03

Tgt Ion:163 Resp: 540986
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.0 7.6 11.4





#45

2,6-Dinitrotoluene

Concen: 15.74 ng/ul

RT: 13.89 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

Instrument :

BNA_M

ClientSampleId :

X1K79

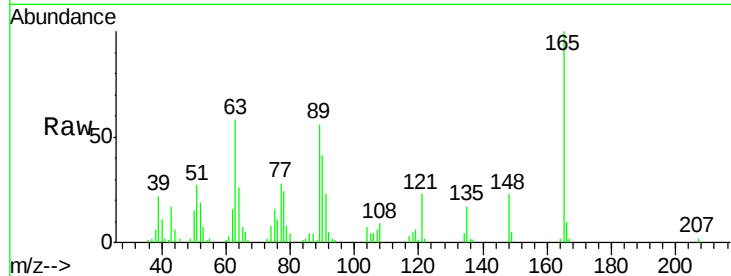
Tgt Ion:165 Resp: 61396

Ion Ratio Lower Upper

165 100

89 56.5 47.8 71.6

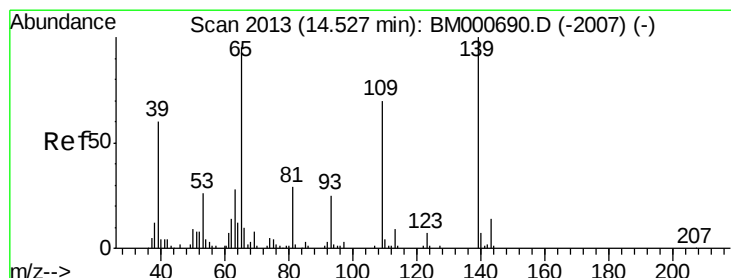
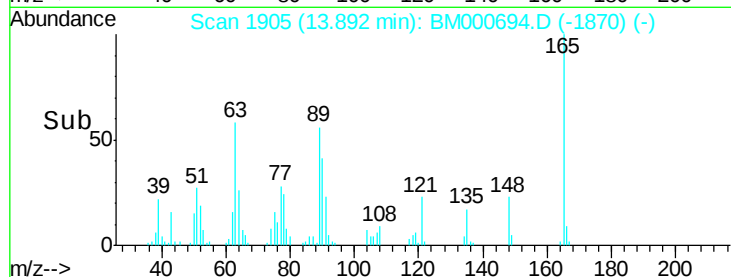
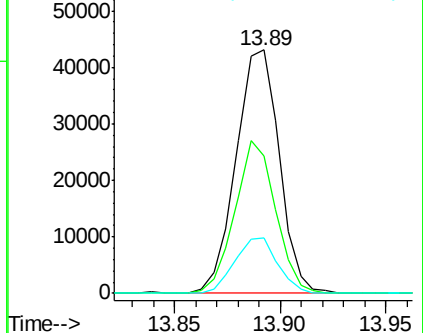
121 22.7 17.8 26.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM

Ion 121.00 (120.70 to 121.70): E



#52

4-Nitrophenol

Concen: 31.47 ng/ul

RT: 14.53 min Scan# 1213

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

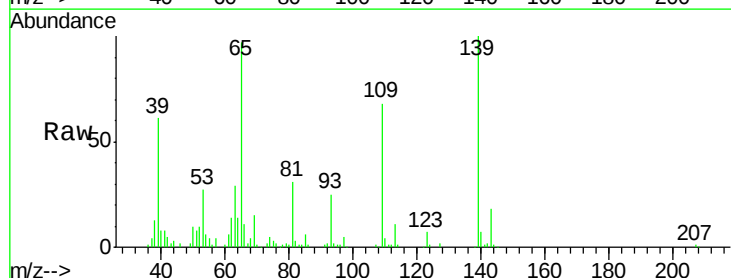
Tgt Ion:109 Resp: 89253

Ion Ratio Lower Upper

109 100

139 148.0 123.4 185.0

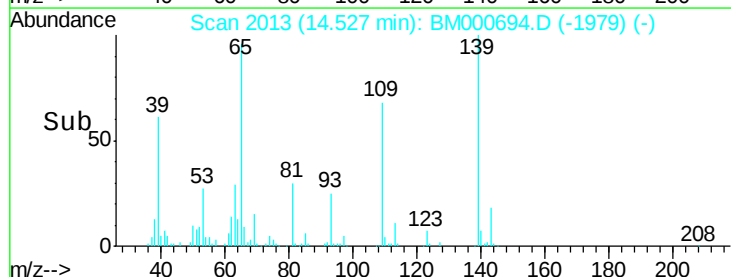
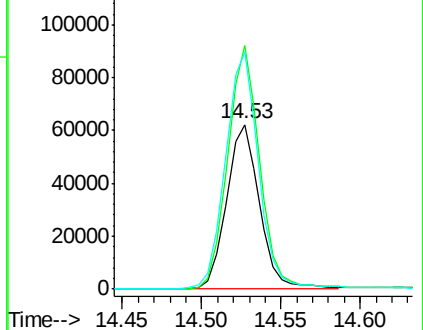
65 143.8 117.8 176.6

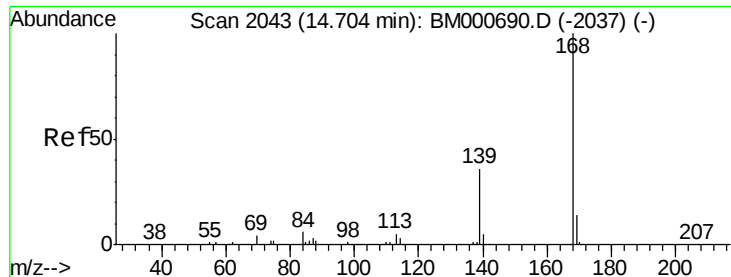


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#53

Dibenzo(furan)

Concen: 10.15 ng/ul

RT: 14.70 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

Instrument :

BNA_M

ClientSampleId :

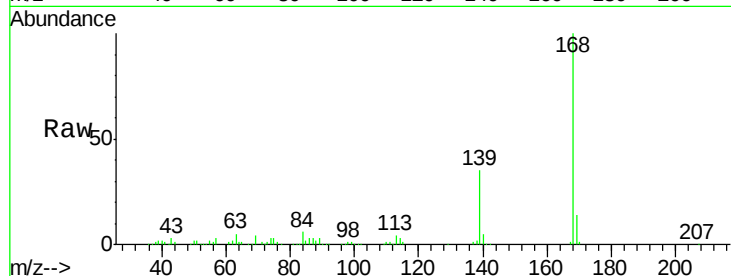
X1K79

Tgt Ion:168 Resp: 286143

Ion Ratio Lower Upper

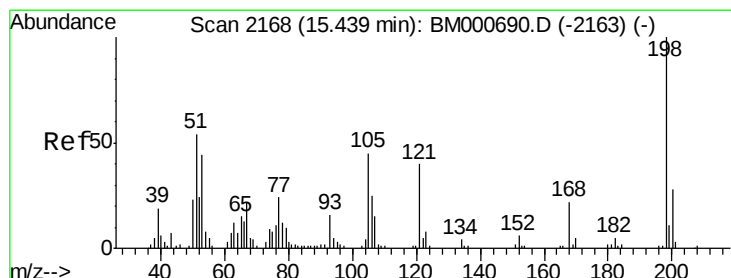
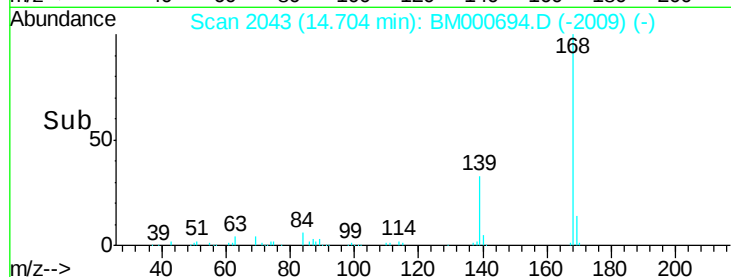
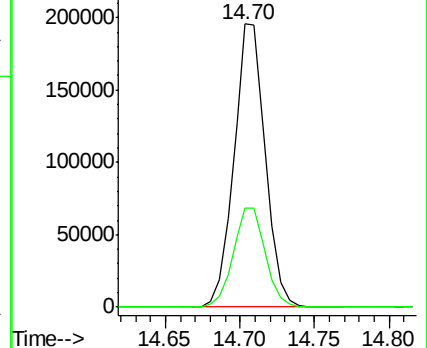
168 100

139 35.1 28.3 42.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#63

4,6-Dinitro-2-methylphenol

Concen: 8.85 ng/ul

RT: 15.44 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

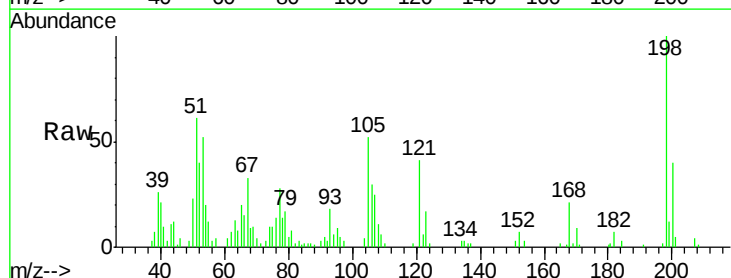
Tgt Ion:198 Resp: 31513

Ion Ratio Lower Upper

198 100

182 6.8 3.9 5.9#

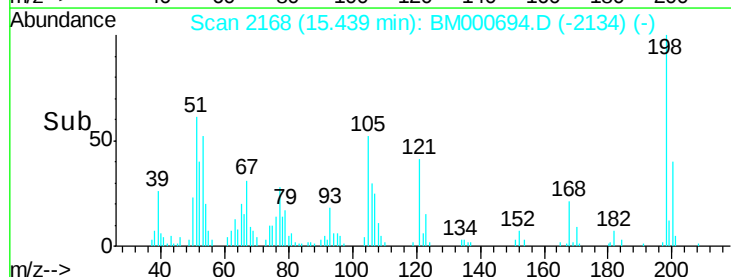
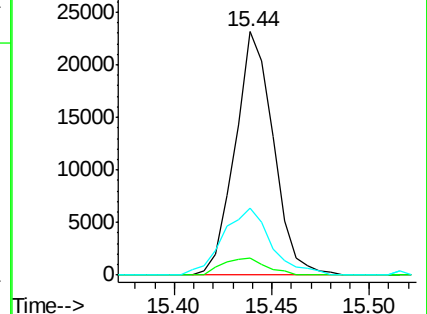
77 27.5 19.4 29.0

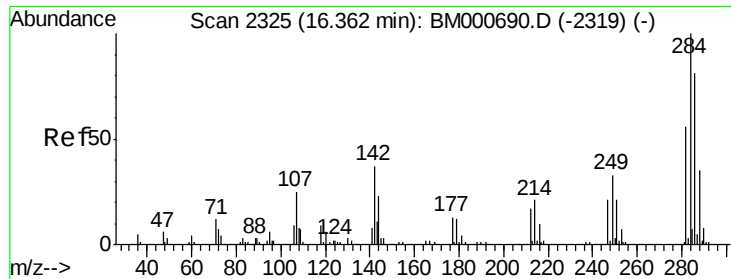


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM

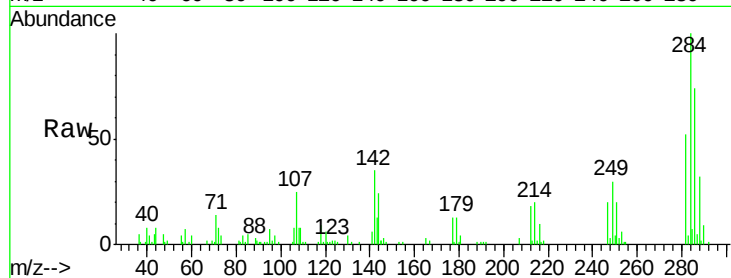




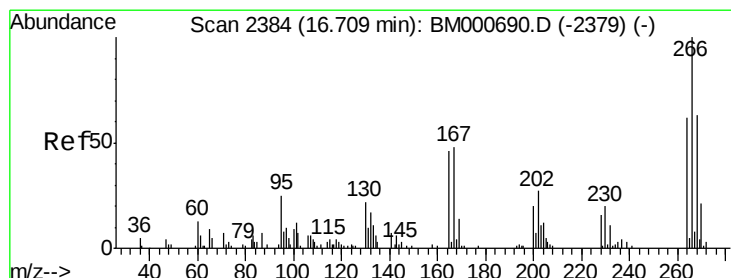
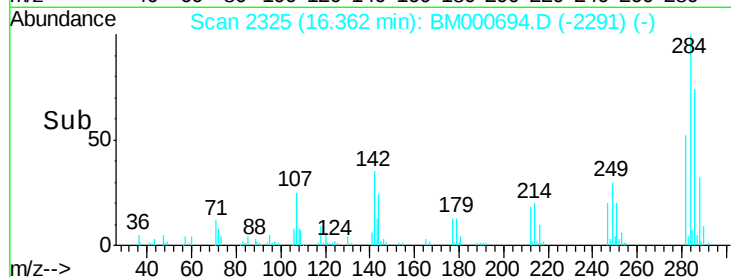
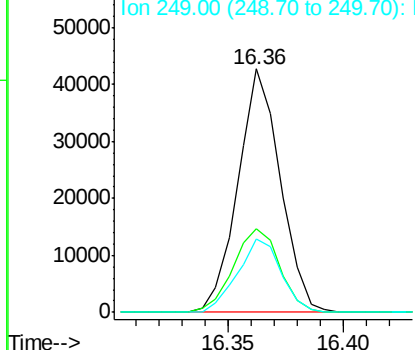
#66
Hexachlorobenzene
Concen: 8.79 ng/ul
RT: 16.36 min Scan# 2325
Delta R.T. -0.00 min
Lab File: BM000694.D
Acq: 11 Mar 2015 16:03

Instrument :
BNA_M
ClientSampled :
X1K79

Tgt Ion:284 Resp: 54709
Ion Ratio Lower Upper
284 100
142 34.5 31.5 47.3
249 30.4 25.2 37.8

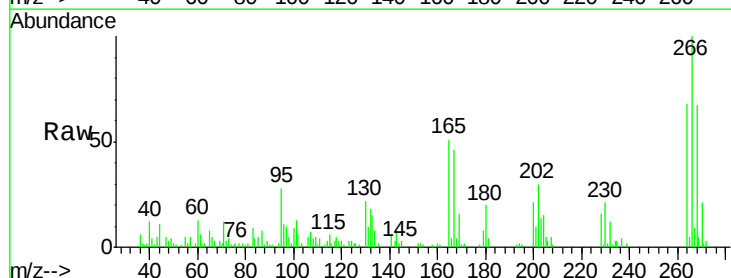


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

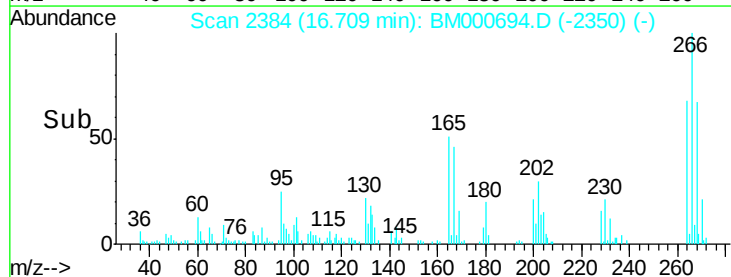
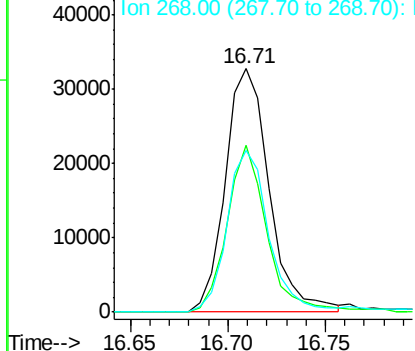


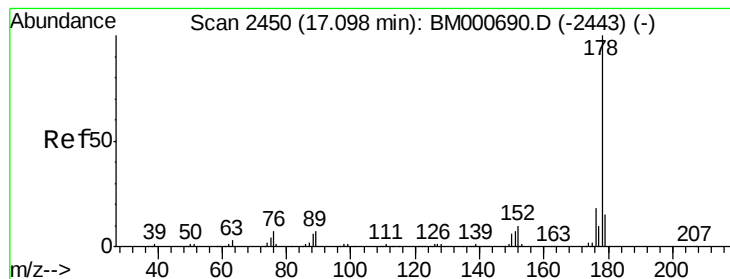
#68
Pentachlorophenol
Concen: 15.62 ng/ul
RT: 16.71 min Scan# 2384
Delta R.T. -0.00 min
Lab File: BM000694.D
Acq: 11 Mar 2015 16:03

Tgt Ion:266 Resp: 50980
Ion Ratio Lower Upper
266 100
264 68.4 50.2 75.4
268 66.6 52.2 78.2



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: 26.93 ng/ul

RT: 17.10 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

Instrument :

BNA_M

ClientSampleId :

X1K79

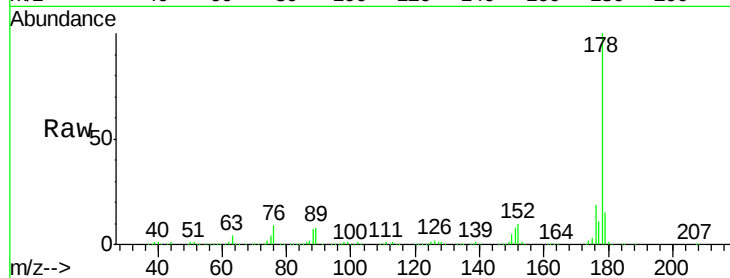
Tgt Ion:178 Resp: 910935

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

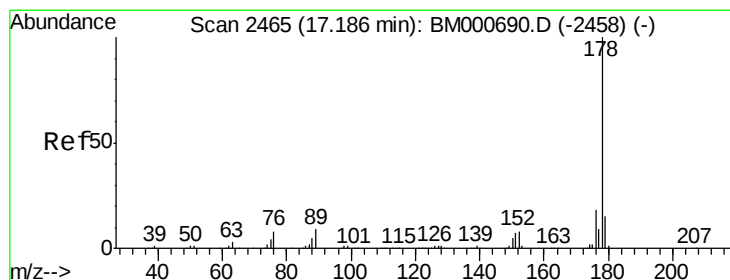
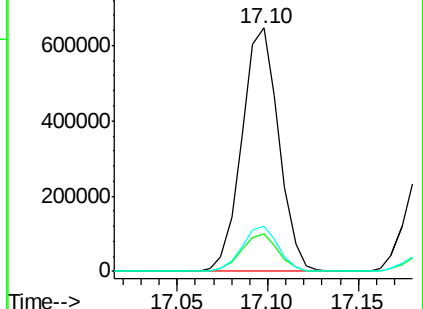
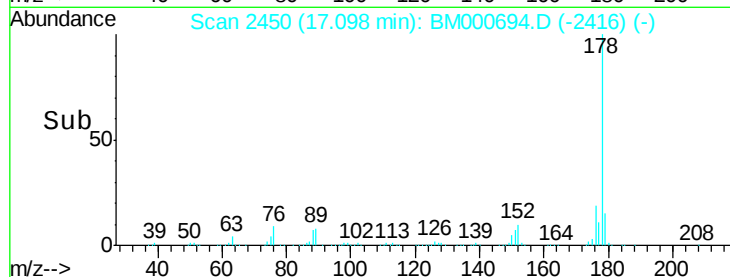
176 18.6 14.6 22.0



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: 11.34 ng/ul

RT: 17.19 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

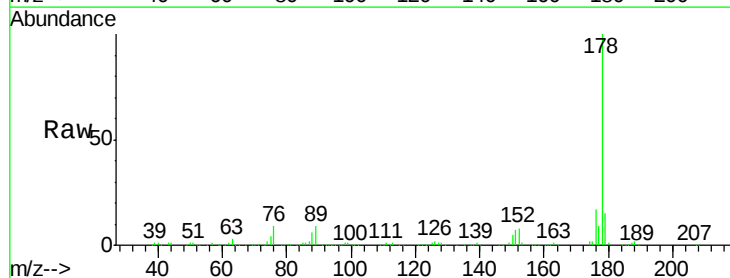
Tgt Ion:178 Resp: 390136

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

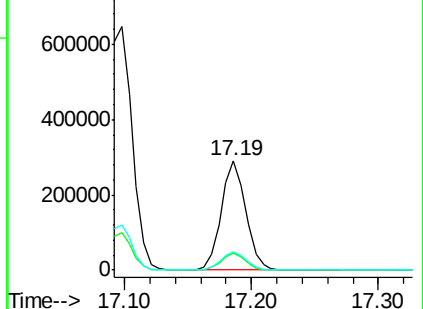
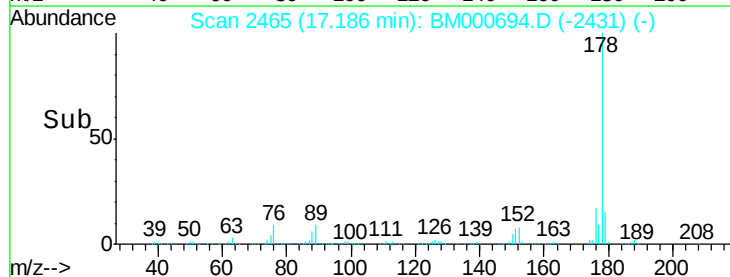
176 17.2 14.2 21.2

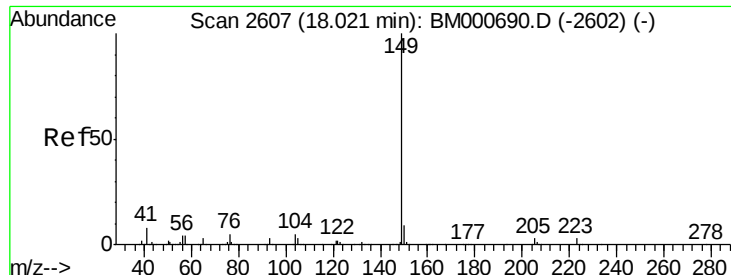


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 16.30 ng/ul

RT: 18.03 min Scan# 2608

Delta R.T. 0.01 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

Instrument :

BNA_M

ClientSampleId :

X1K79

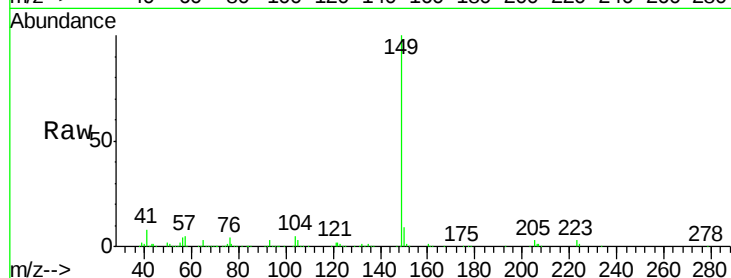
Tgt Ion:149 Resp: 495109

Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.0

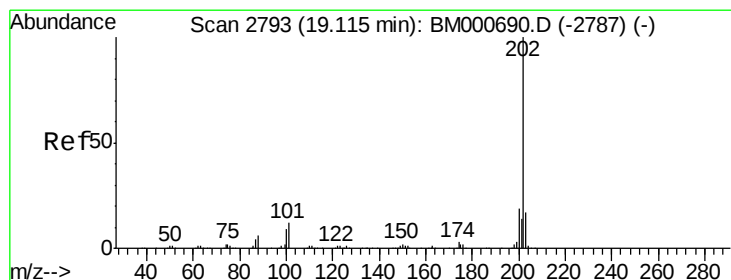
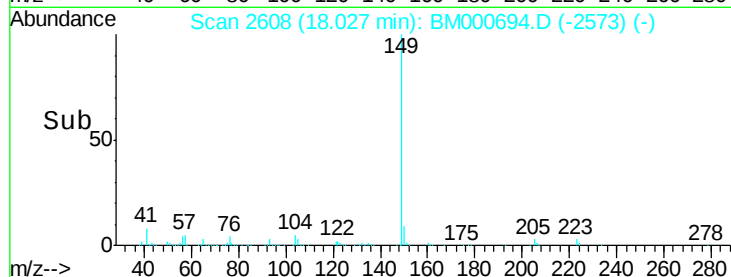
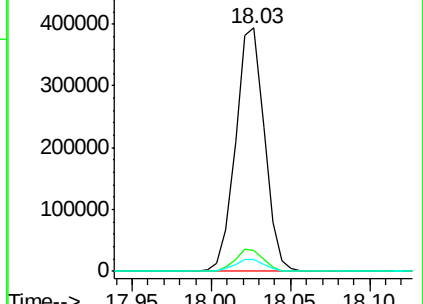
104 4.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 22.09 ng/ul

RT: 19.12 min Scan# 2793

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

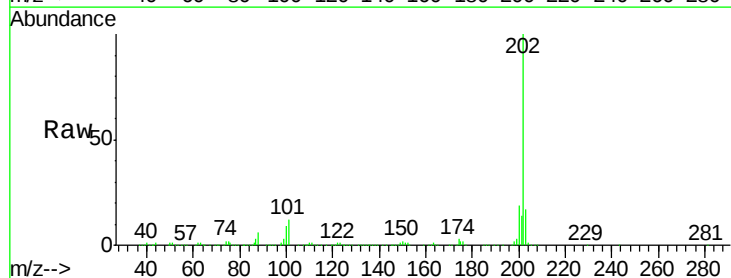
Tgt Ion:202 Resp: 820516

Ion Ratio Lower Upper

202 100

101 11.8 9.7 14.5

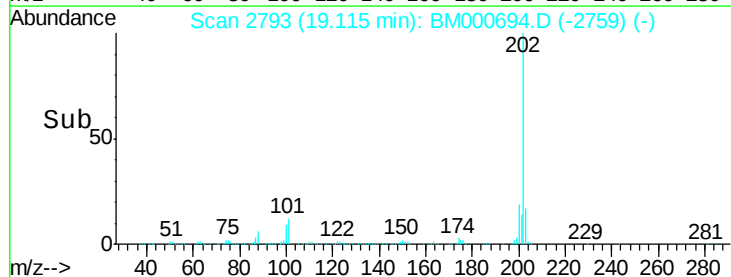
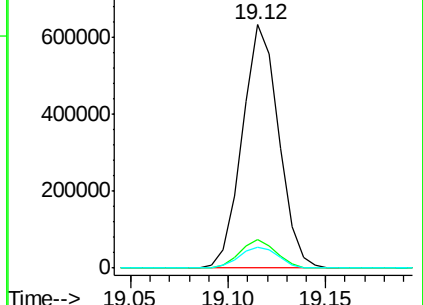
100 8.8 7.4 11.0

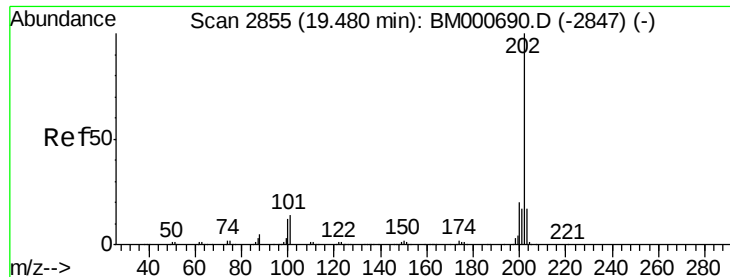


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 23.78 ng/ul

RT: 19.48 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

Instrument :

BNA_M

ClientSampleId :

X1K79

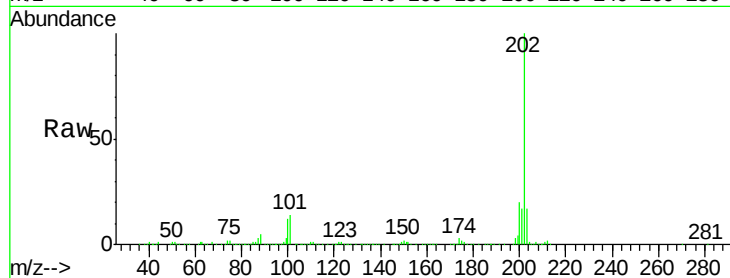
Tgt Ion:202 Resp: 880052

Ion Ratio Lower Upper

202 100

101 14.4 11.2 16.8

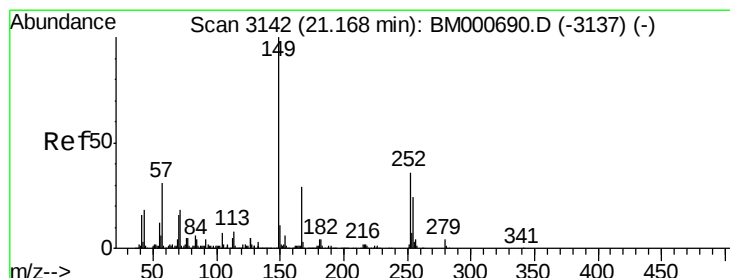
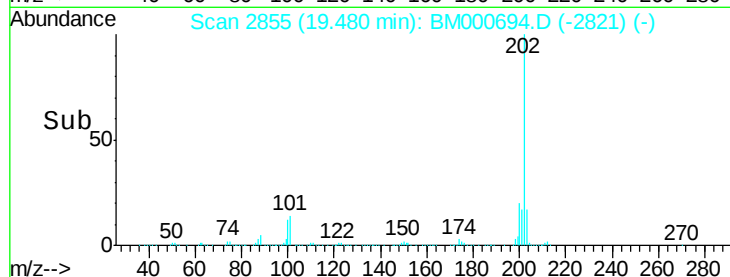
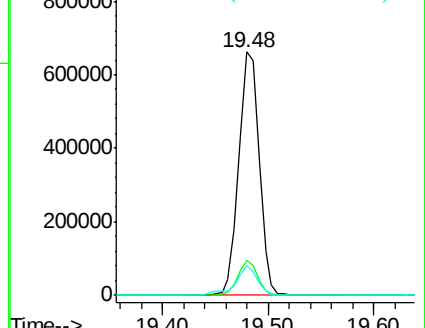
100 12.1 9.1 13.7



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 25.94 ng/ul

RT: 21.17 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

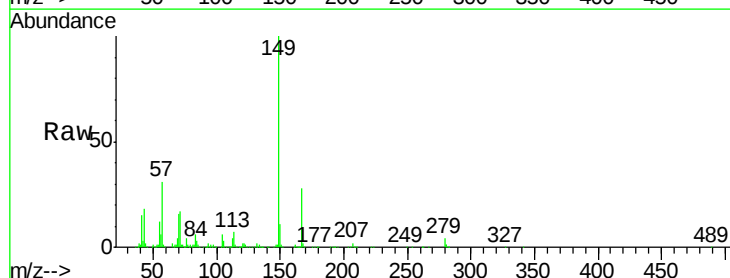
Tgt Ion:149 Resp: 452112

Ion Ratio Lower Upper

149 100

167 28.3 22.8 34.2

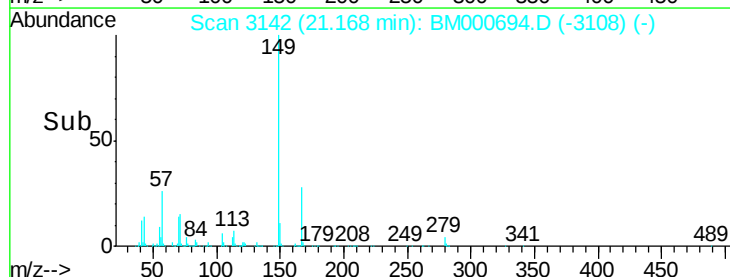
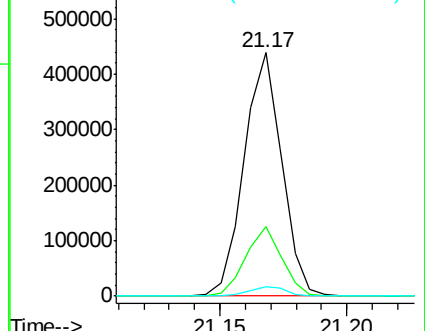
279 3.7 3.4 5.2

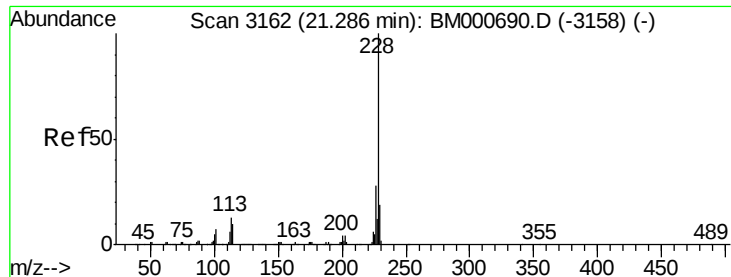


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 19.83 ng/ul

RT: 21.29 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

Instrument :

BNA_M

ClientSampleId :

X1K79

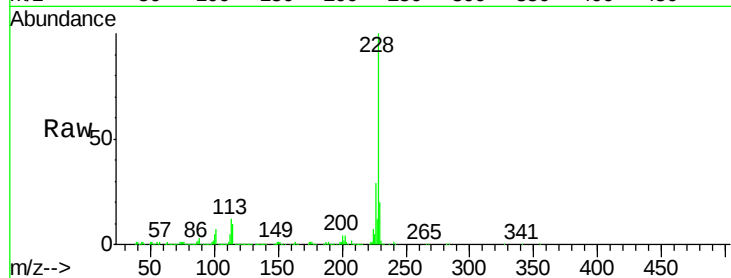
Tgt Ion:228 Resp: 663146

Ion Ratio Lower Upper

228 100

226 28.8 22.8 34.2

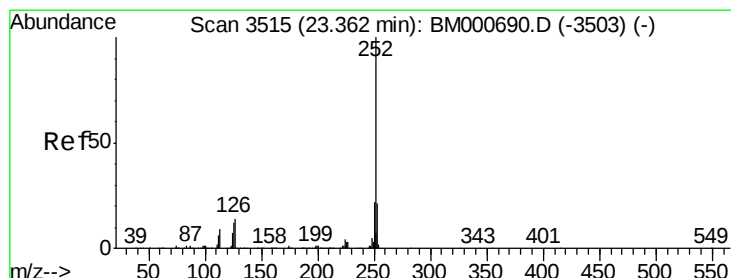
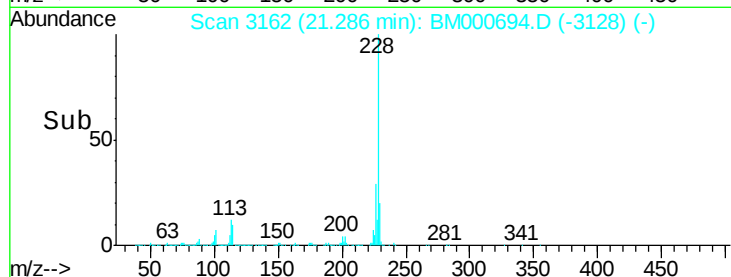
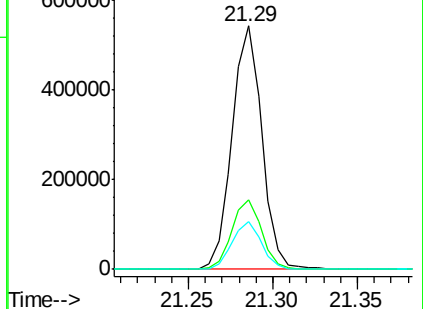
229 19.7 15.7 23.5



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



#88

Benzo(a)pyrene

Concen: 16.36 ng/ul

RT: 23.36 min Scan# 3515

Delta R.T. -0.00 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

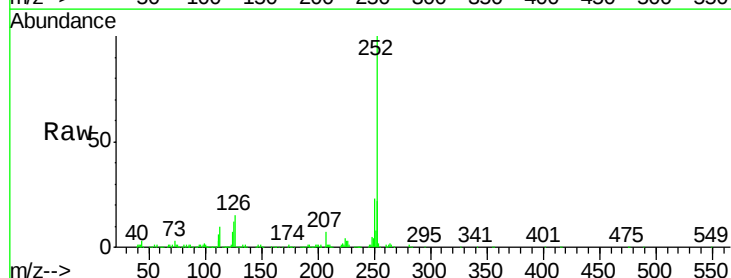
Tgt Ion:252 Resp: 554056

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

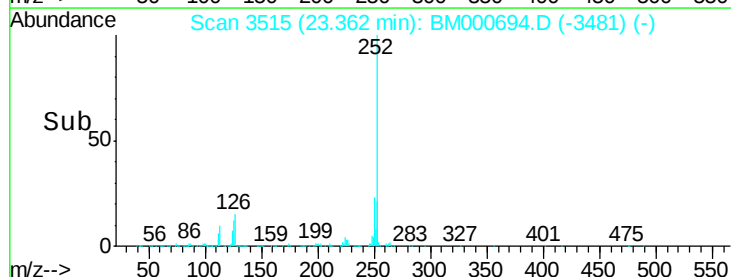
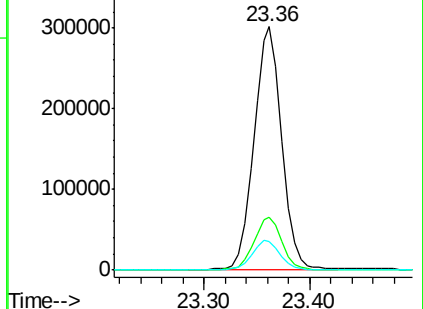
125 11.8 10.3 15.5

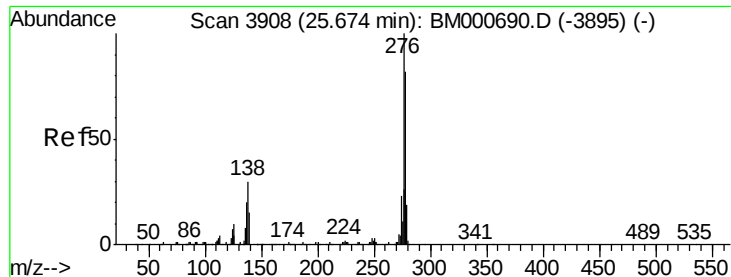


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 20.25 ng/ul

RT: 25.67 min Scan# 3907

Delta R.T. -0.01 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

Instrument :

BNA_M

ClientSampleId :

X1K79

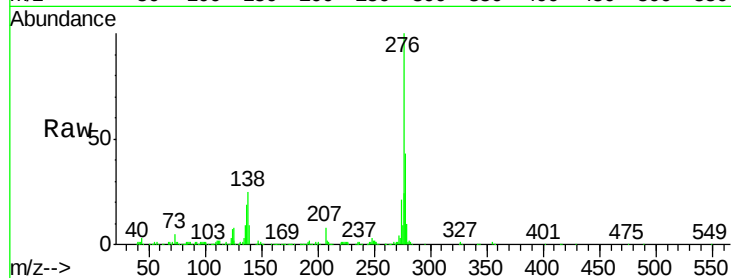
Tgt Ion:276 Resp: 754711

Ion Ratio Lower Upper

276 100

138 25.1 23.9 35.9

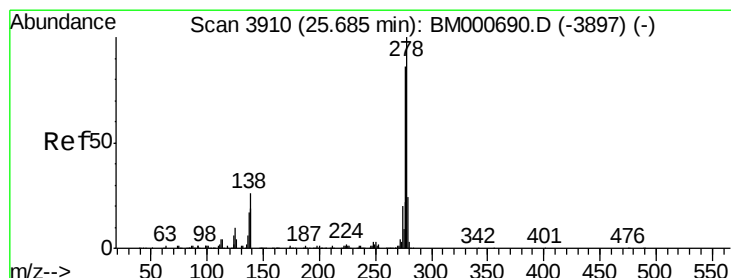
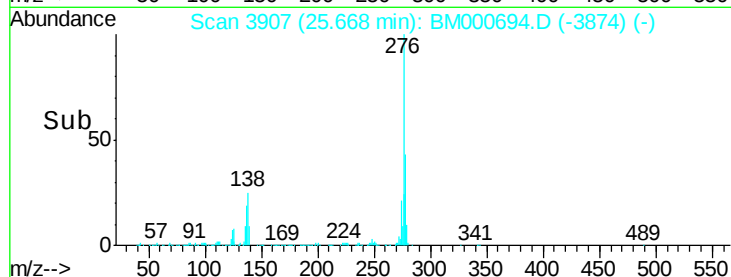
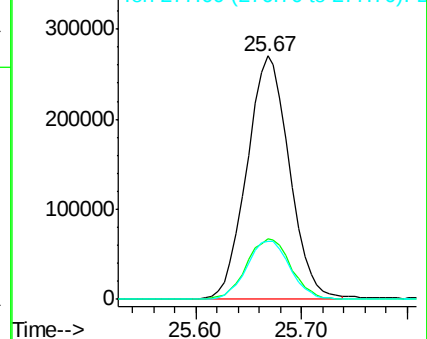
277 23.6 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 12.63 ng/ul

RT: 25.68 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BM000694.D

Acq: 11 Mar 2015 16:03

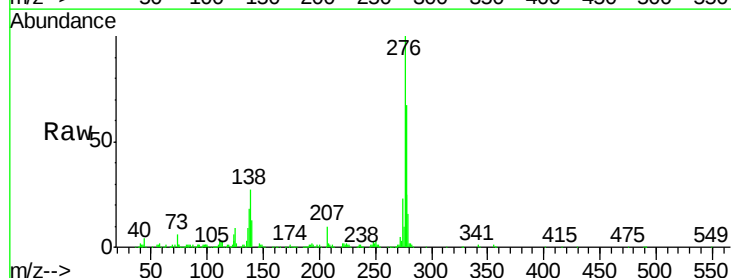
Tgt Ion:278 Resp: 399352

Ion Ratio Lower Upper

278 100

139 18.9 14.3 21.5

279 23.3 19.4 29.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

