

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040616\
 Data File : BM004912.D
 Acq On : 06 Apr 2016 19:41
 Operator : UM/SJ
 Sample : H1940-12MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9SH7MS

Quant Time: Apr 07 04:34:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 07 04:29:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	55790	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	256272	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.46	164	152629	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.20	188	364786	20.00	ng/ul	0.00
78) Chrysene-d12	21.39	240	438719	20.00	ng/ul	0.00
86) Perylene-d12	23.68	264	392123	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	1945	1.41	ng/uL	0.00
5) Phenol-d5	6.98	99	55103	11.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	31863	11.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	42883	11.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	46618	11.20	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	21704	11.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	24039	11.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	47023	12.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	52066	11.57	ng/ul	0.00
44) Dimethylphthalate-d6	13.86	166	167848	13.94	ng/ul	0.00
47) Acenaphthylene-d8	14.15	160	198475	13.78	ng/ul	0.00
52) 4-Nitrophenol-d4	14.65	143	23222	9.75	ng/ul	0.00
58) Fluorene-d10	15.45	176	151532	14.56	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.57	200	20065	9.18	ng/ul	0.00
71) Anthracene-d10	17.30	188	242770	14.87	ng/ul	0.00
79) Pyrene-d10	19.60	212	294807	15.48	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.53	264	264331	15.22	ng/ul	0.00

Target Compounds

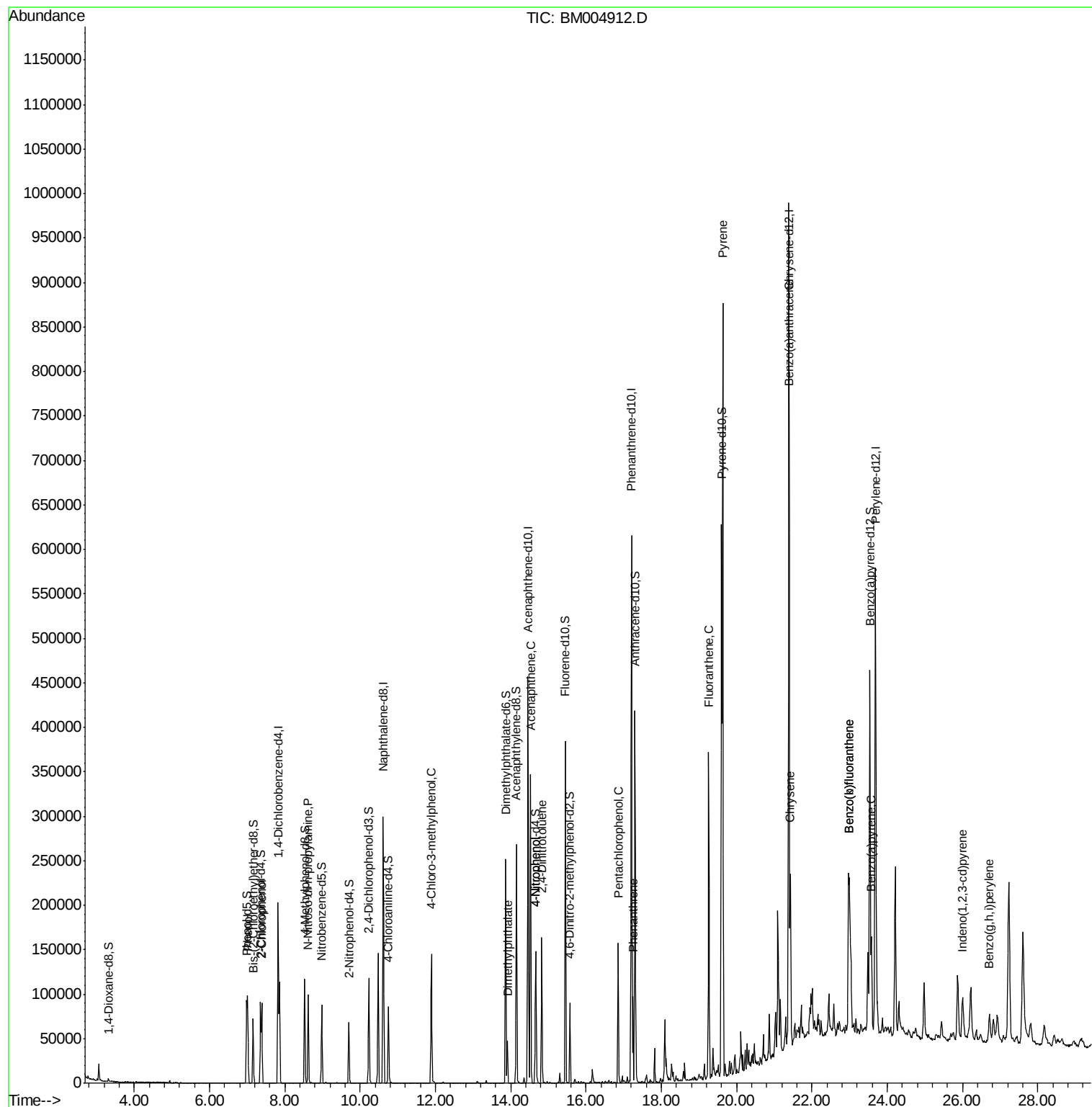
						Qvalue
6) Phenol	7.01	94	56695	10.95	ng/ul	99
10) 2-Chlorophenol	7.39	128	43201	10.90	ng/ul	94
15) N-Nitroso-di-n-propylamine	8.62	70	37667	11.82	ng/ul	93
33) 4-Chloro-3-methylphenol	11.89	107	57027	12.77	ng/ul	98
45) Dimethylphthalate	13.91	163	32673	2.66	ng/ul	99
50) Acenaphthene	14.52	153	140625	13.69	ng/ul	99
53) 4-Nitrophenol	14.66	109	20542	10.53	ng/ul	95
55) 2,4-Dinitrotoluene	14.82	165	46670	13.00	ng/ul	94
69) Pentachlorophenol	16.85	266	27048	10.50	ng/ul	98
70) Phenanthrene	17.24	178	59386	2.95	ng/ul	99
77) Fluoranthene	19.26	202	221229	9.90	ng/ul	100
80) Pyrene	19.63	202	538393	21.44	ng/ul	99
83) Benzo(a)anthracene	21.37	228	78634	3.13	ng/ul	97
85) Chrysene	21.43	228	115645	4.85	ng/ul	98
88) Benzo(b)fluoranthene	22.99	252	144887	6.45	ng/ul	97
89) Benzo(k)fluoranthene	22.99	252	144887	6.72	ng/ul	97
91) Benzo(a)pyrene	23.58	252	74976	3.44	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	26.00	276	47192	1.82	ng/ul#	92
94) Benzo(g,h,i)perylene	26.71	276	42780	1.92	ng/ul	95

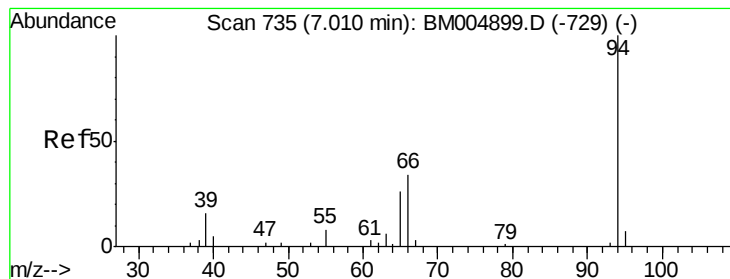
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 10.95 ng/ul

RT: 7.01 min Scan# 735

Delta R.T. -0.00 min

Lab File: BM004912.D

Acq: 06 Apr 2016 19:41

Instrument :

BNA_M

ClientSampleId :

D9SH7MS

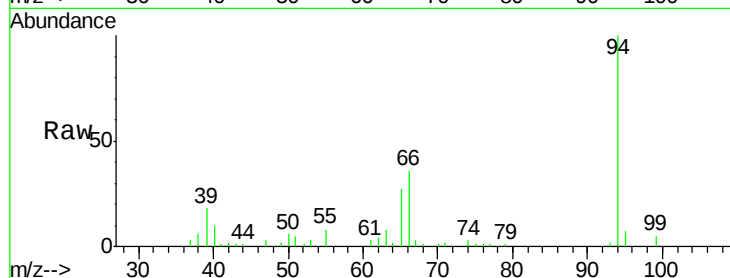
Tgt Ion: 94 Resp: 56695

Ion Ratio Lower Upper

94 100

65 26.9 21.0 31.6

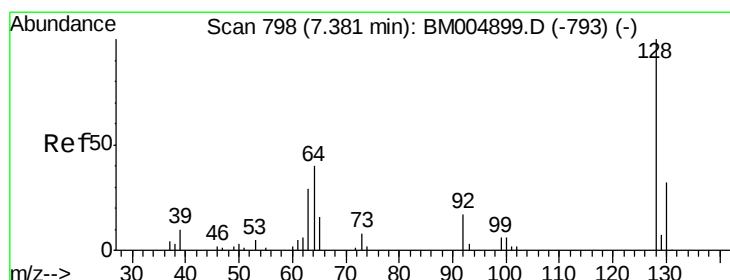
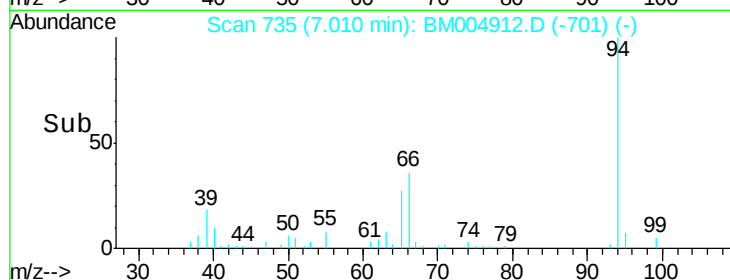
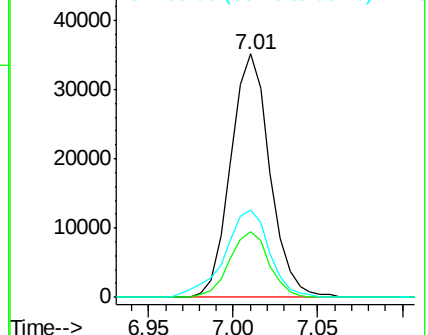
66 36.0 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM004899.D (-729) (-)

Ion 65.00 (64.70 to 65.70): BM004899.D (-729) (-)

Ion 66.00 (65.70 to 66.70): BM004899.D (-729) (-)



#10

2-Chlorophenol

Concen: 10.90 ng/ul

RT: 7.39 min Scan# 799

Delta R.T. 0.01 min

Lab File: BM004912.D

Acq: 06 Apr 2016 19:41

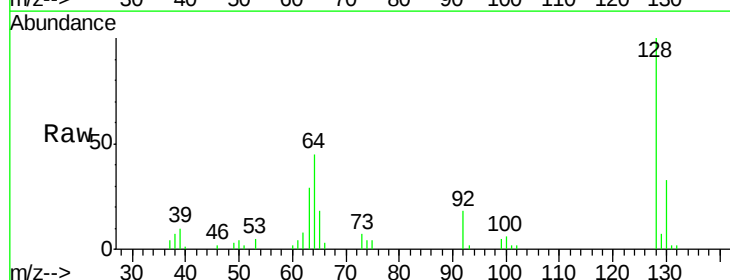
Tgt Ion: 128 Resp: 43201

Ion Ratio Lower Upper

128 100

64 45.0 31.9 47.9

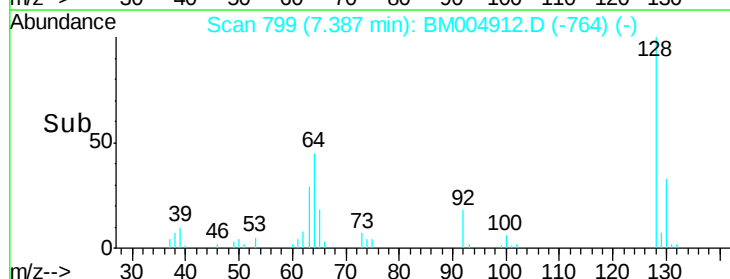
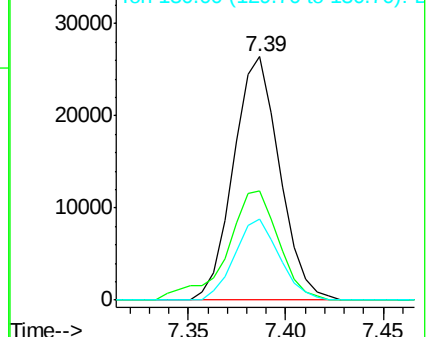
130 33.4 25.6 38.4

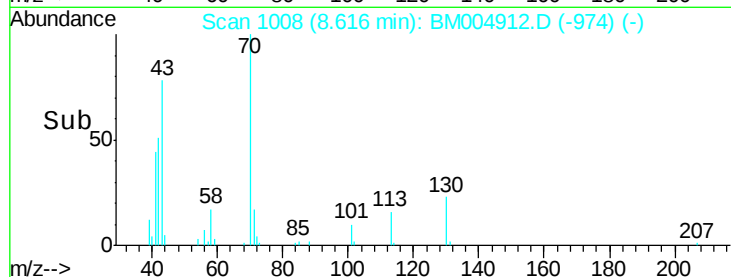
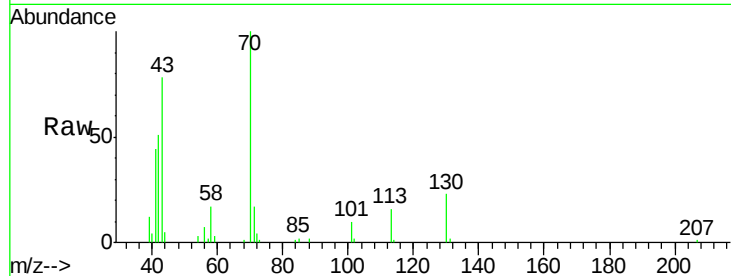
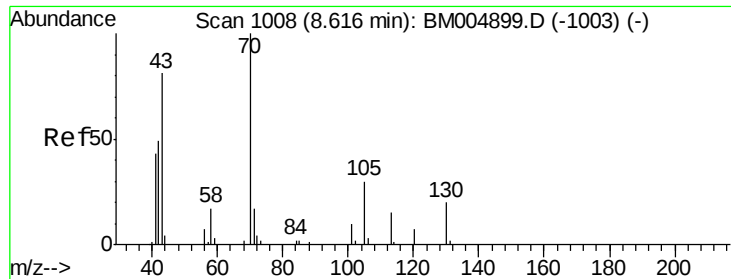


Abundance Ion 128.00 (127.70 to 128.70): BM004899.D (-793) (-)

Ion 64.00 (63.70 to 64.70): BM004899.D (-793) (-)

Ion 130.00 (129.70 to 130.70): BM004899.D (-793) (-)

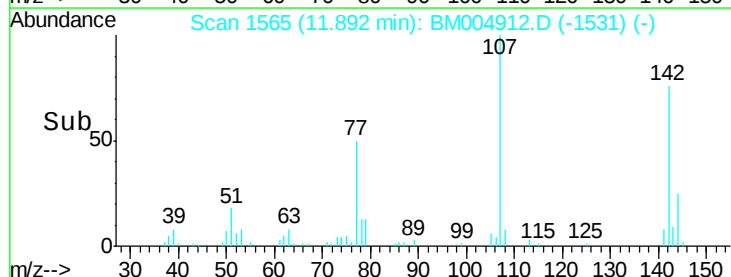
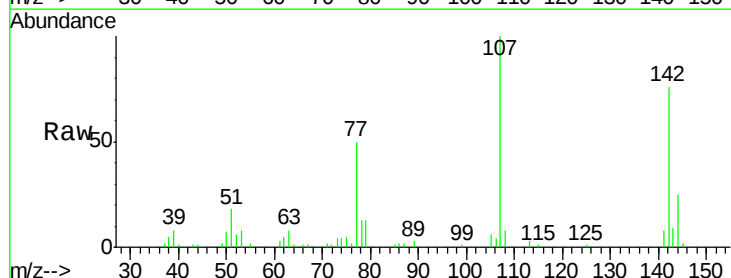
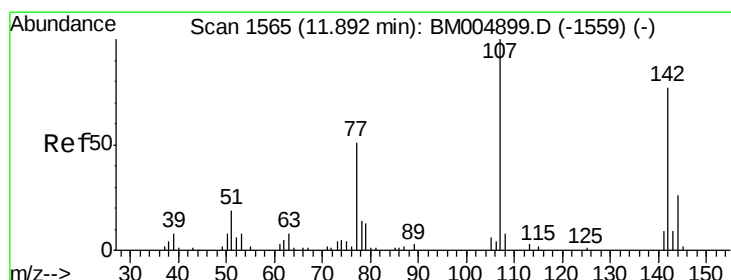
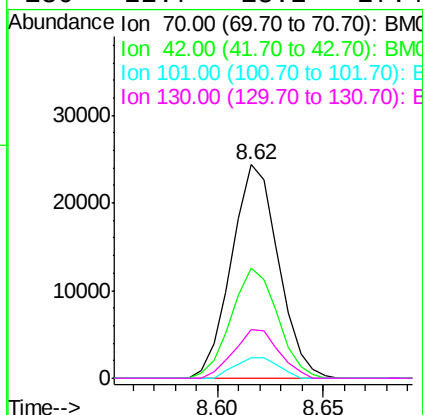




#15
N-Nitroso-di-n-propylamine
Concen: 11.82 ng/ul
RT: 8.62 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

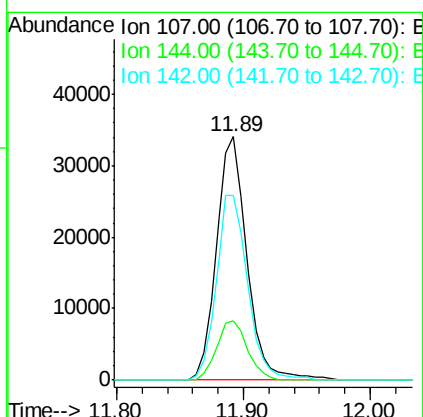
Instrument :
BNA_M
ClientSampleId :
D9SH7MS

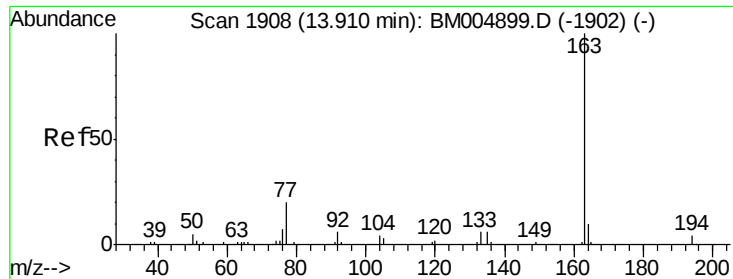
Tgt Ion:	70	Resp:	37667
Ion	Ratio	Lower	Upper
70	100		
42	51.3	35.4	53.0
101	9.7	8.4	12.6
130	22.7	18.2	27.4



#33
4-Chloro-3-methylphenol
Concen: 12.77 ng/ul
RT: 11.89 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Tgt Ion:	107	Resp:	57027
Ion	Ratio	Lower	Upper
107	100		
144	24.5	20.4	30.6
142	75.9	62.5	93.7

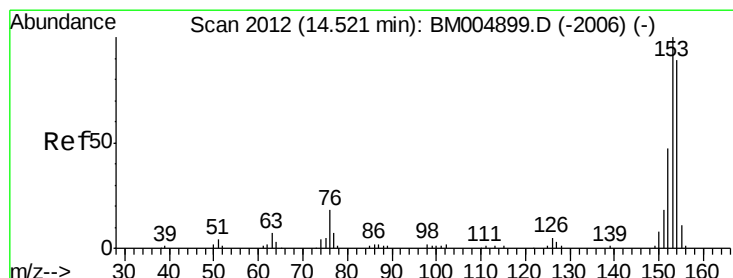
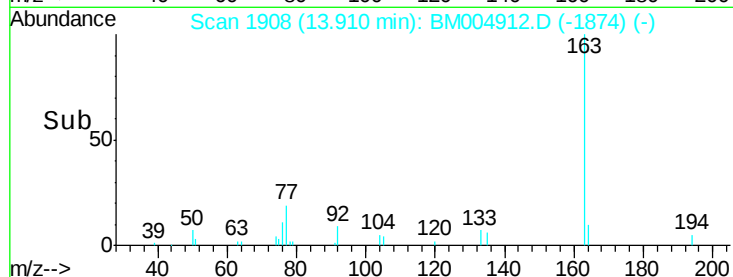
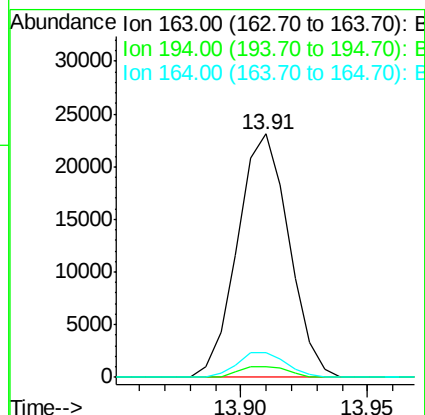
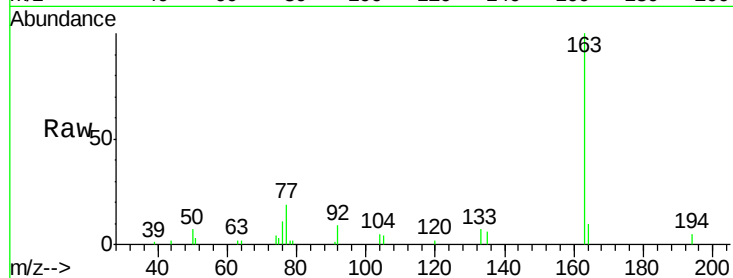




#45
Dimethylphthalate
Concen: 2.66 ng/ul
RT: 13.91 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

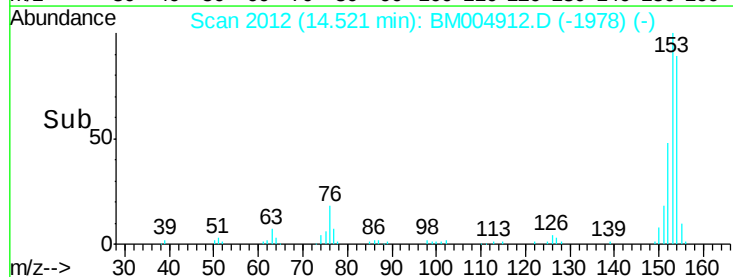
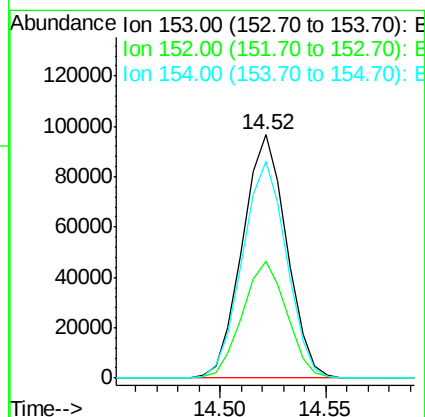
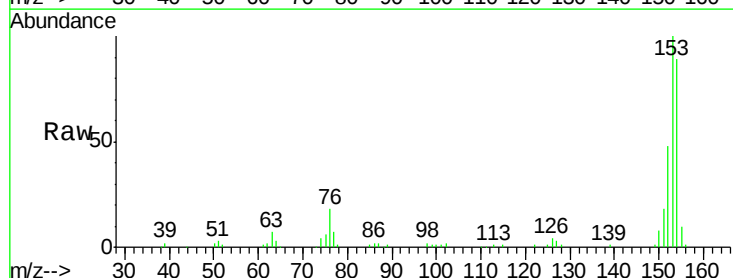
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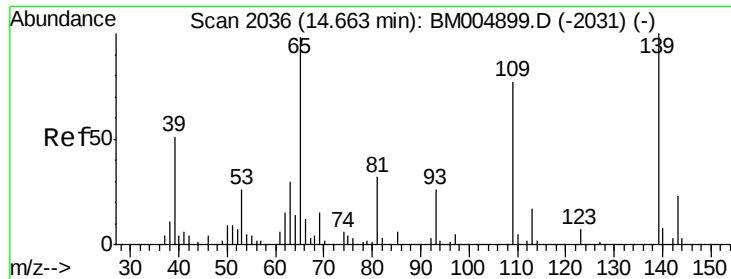
Tgt Ion:163 Resp: 32673
Ion Ratio Lower Upper
163 100
194 4.5 3.2 4.8
164 9.9 7.8 11.8



#50
Acenaphthene
Concen: 13.69 ng/ul
RT: 14.52 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Tgt Ion:153 Resp: 140625
Ion Ratio Lower Upper
153 100
152 48.1 38.3 57.5
154 89.2 71.8 107.8

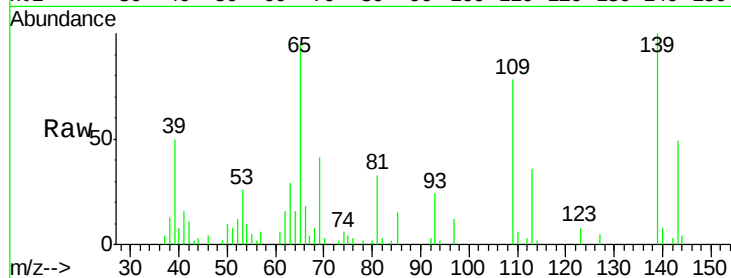




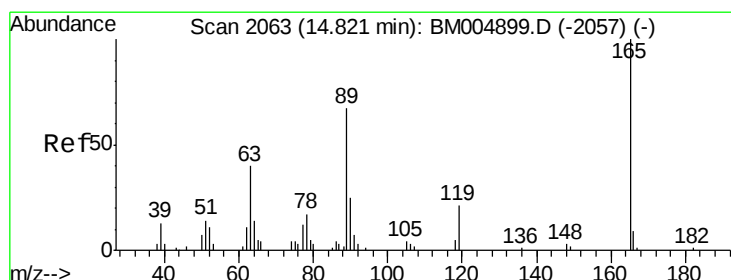
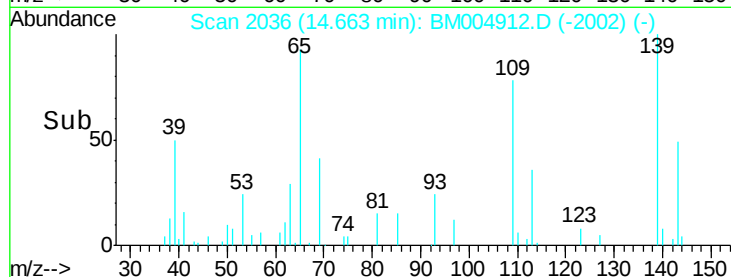
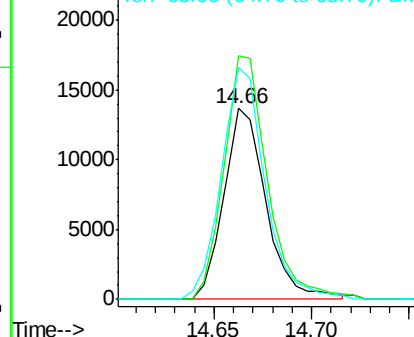
#53
 4-Nitrophenol
 Concen: 10.53 ng/ul
 RT: 14.66 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: BM004912.D
 Acq: 06 Apr 2016 19:41

Instrument :
 BNA_M
 ClientSampleId :
 D9SH7MS

Tgt Ion:109 Resp: 20542
 Ion Ratio Lower Upper
 109 100
 139 127.7 103.7 155.5
 65 121.8 89.4 134.2

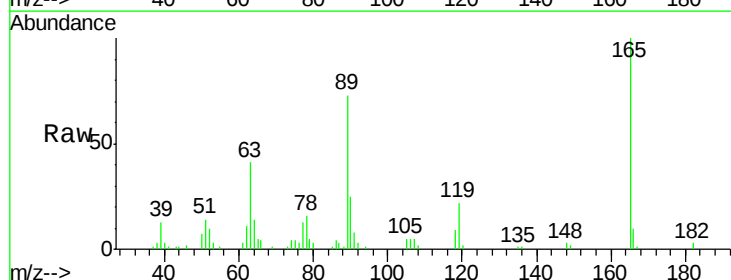


Abundance Ion 109.00 (108.70 to 109.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 65.00 (64.70 to 65.70): BM

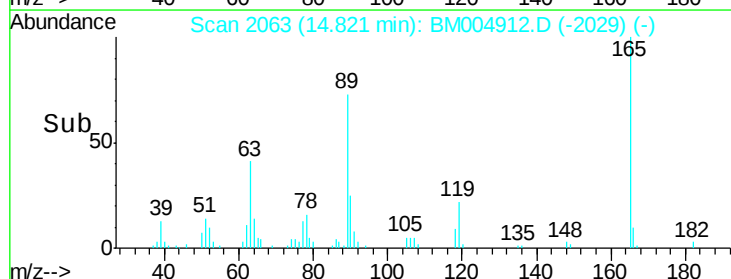
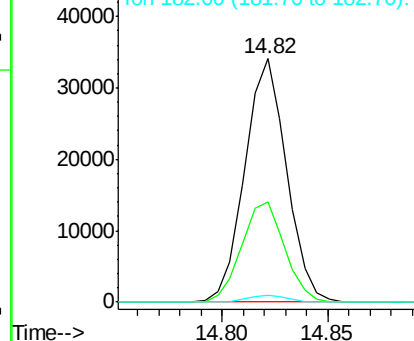


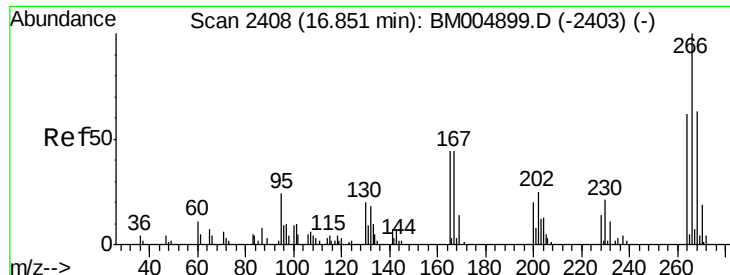
#55
 2,4-Dinitrotoluene
 Concen: 13.00 ng/ul
 RT: 14.82 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: BM004912.D
 Acq: 06 Apr 2016 19:41

Tgt Ion:165 Resp: 46670
 Ion Ratio Lower Upper
 165 100
 63 41.2 29.8 44.6
 182 2.8 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

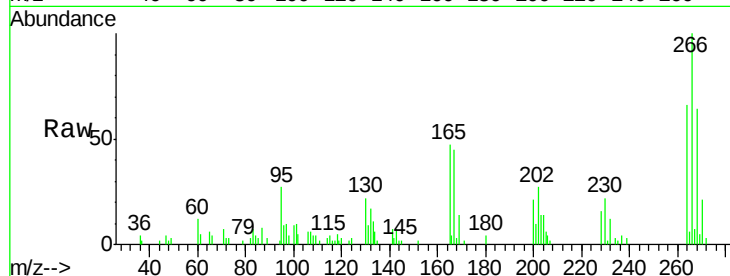




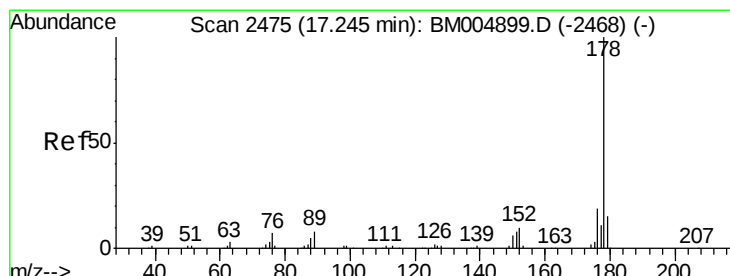
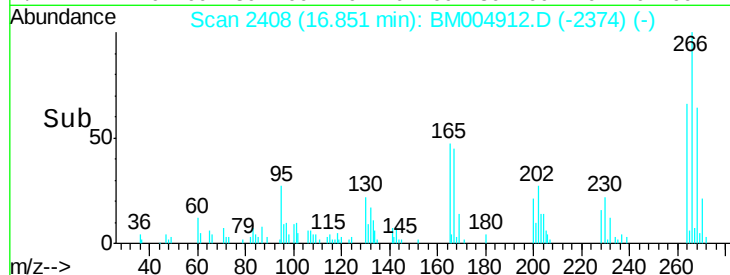
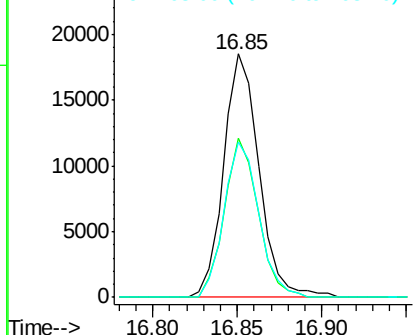
#69
 Pentachlorophenol
 Concen: 10.50 ng/ul
 RT: 16.85 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BM004912.D
 Acq: 06 Apr 2016 19:41

Instrument :
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Tgt Ion: 266 Resp: 27048
 Ion Ratio Lower Upper
 266 100
 264 65.5 50.5 75.7
 268 64.0 50.9 76.3

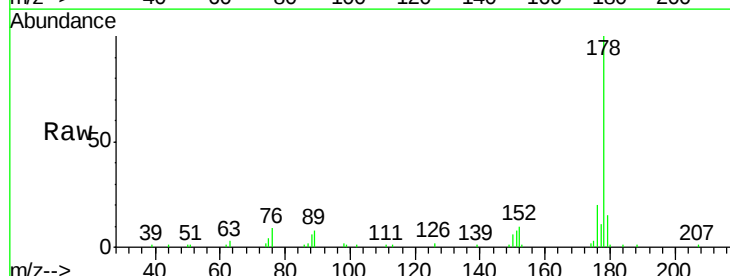


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

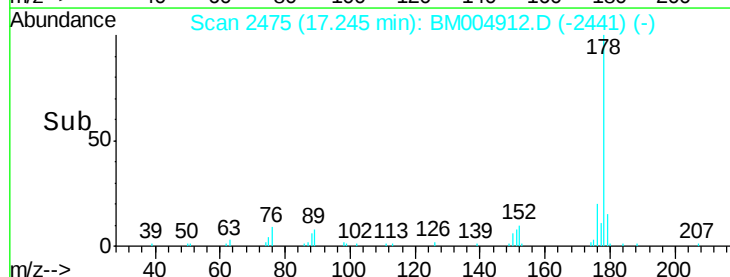
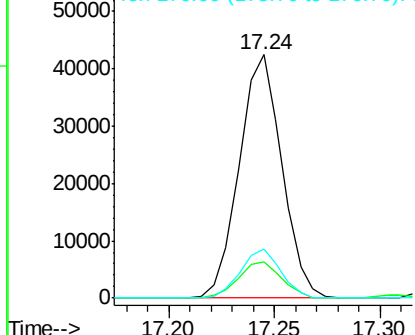


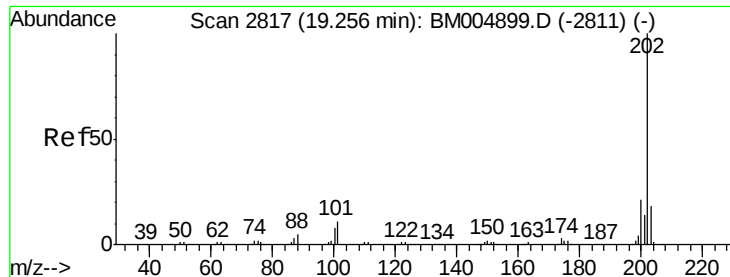
#70
 Phenanthrene
 Concen: 2.95 ng/ul
 RT: 17.24 min Scan# 2475
 Delta R.T. -0.00 min
 Lab File: BM004912.D
 Acq: 06 Apr 2016 19:41

Tgt Ion: 178 Resp: 59386
 Ion Ratio Lower Upper
 178 100
 179 15.0 12.2 18.4
 176 19.9 15.6 23.4



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

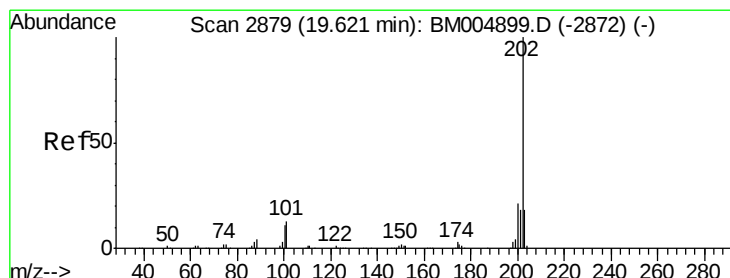
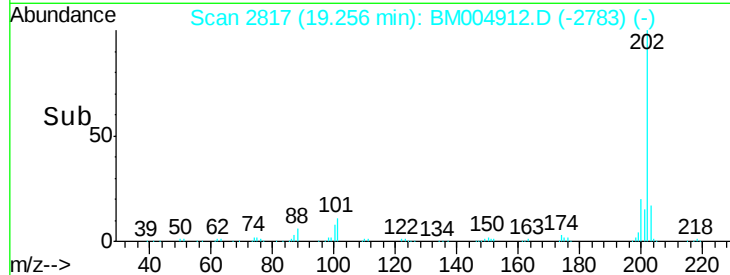
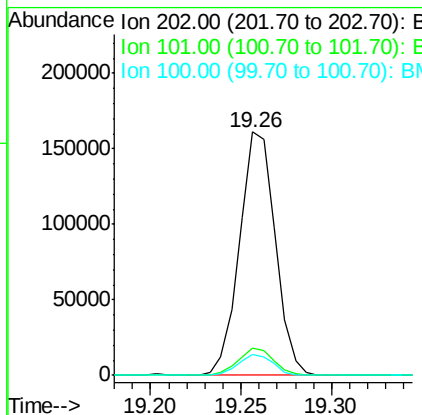
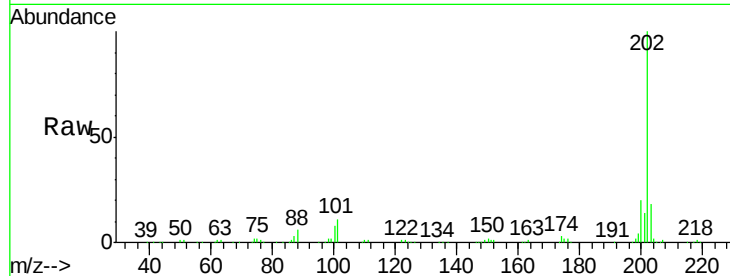




#77
Fluoranthene
 Concen: 9.90 ng/ul
 RT: 19.26 min Scan# 2817
 Delta R.T. -0.00 min
 Lab File: BM004912.D
 Acq: 06 Apr 2016 19:41

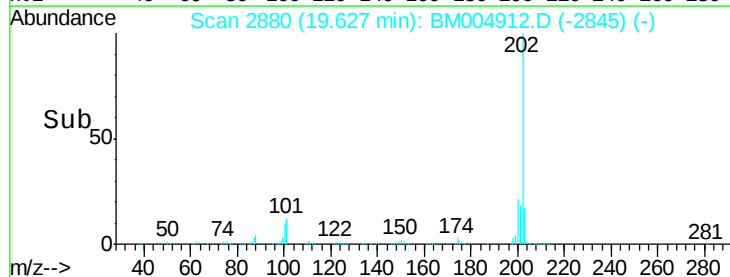
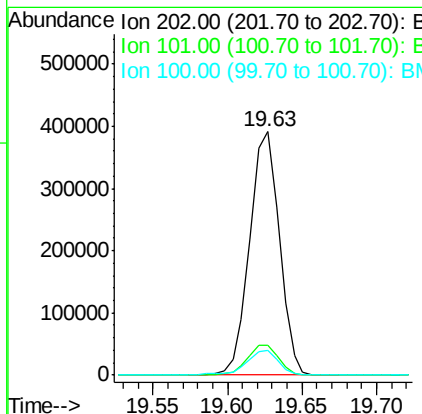
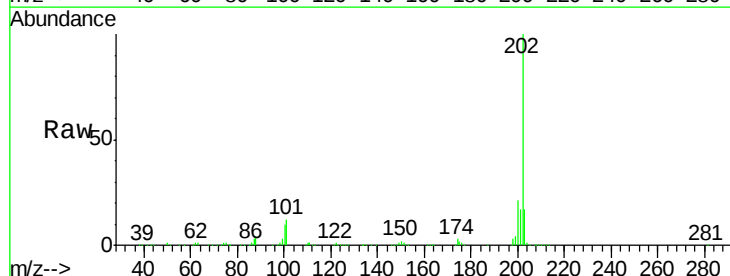
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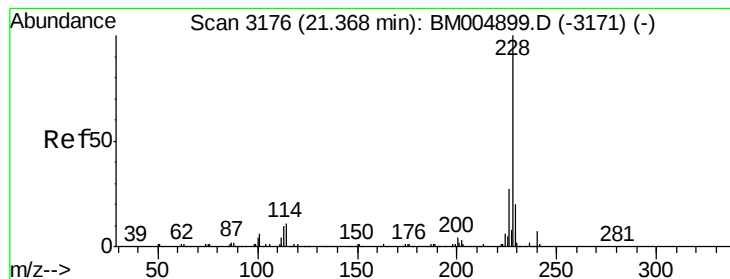
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.8	13.2
100	8.3	6.6	9.8



#80
Pyrene
 Concen: 21.44 ng/ul
 RT: 19.63 min Scan# 2880
 Delta R.T. 0.01 min
 Lab File: BM004912.D
 Acq: 06 Apr 2016 19:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	10.2	15.2
100	9.9	8.5	12.7





#83

Benzo(a)anthracene

Concen: 3.13 ng/ul

RT: 21.37 min Scan# 3177

Delta R.T. 0.01 min

Lab File: BM004912.D

Acq: 06 Apr 2016 19:41

Instrument :

BNA_M

ClientSampleId :

D9SH7MS

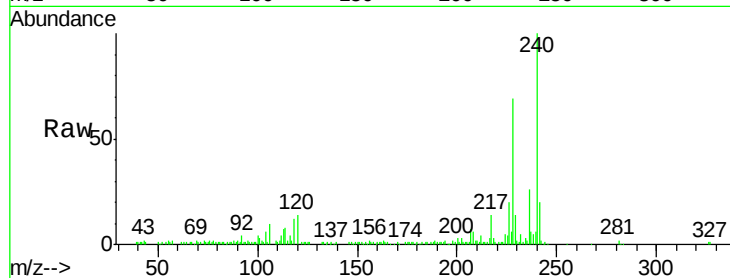
Tgt Ion:228 Resp: 78634

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

226 28.8 21.8 32.6

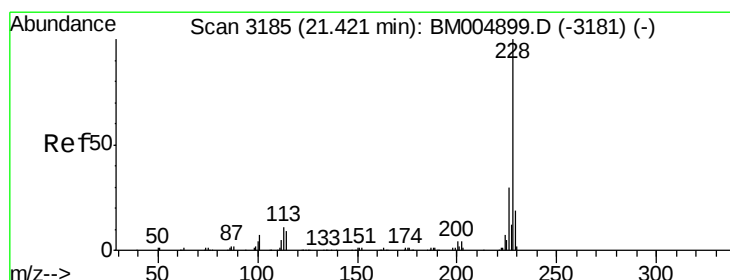
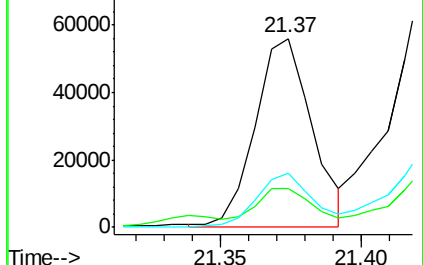
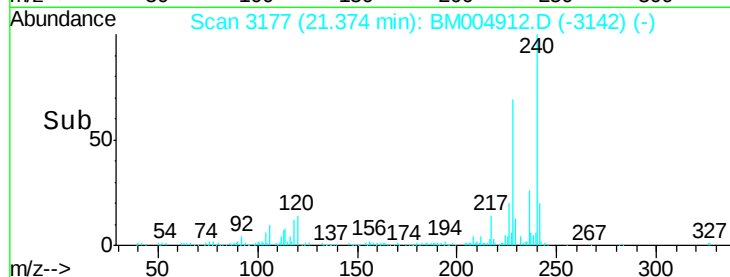


Abundance

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



#85

Chrysene

Concen: 4.85 ng/ul

RT: 21.43 min Scan# 3186

Delta R.T. 0.01 min

Lab File: BM004912.D

Acq: 06 Apr 2016 19:41

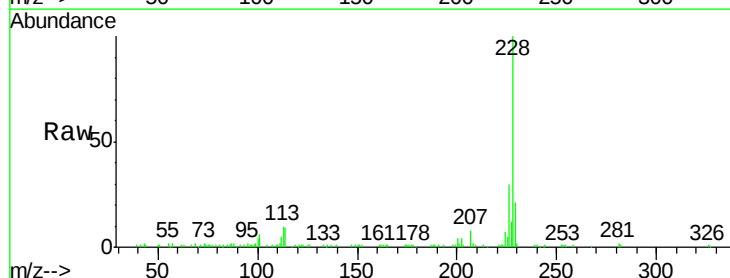
Tgt Ion:228 Resp: 115645

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

229 21.5 15.6 23.4

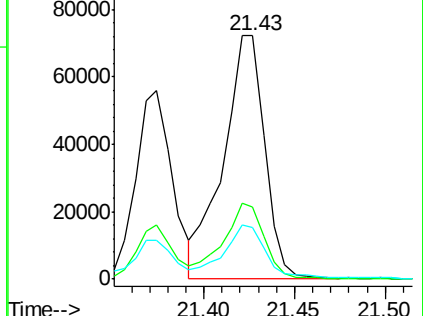
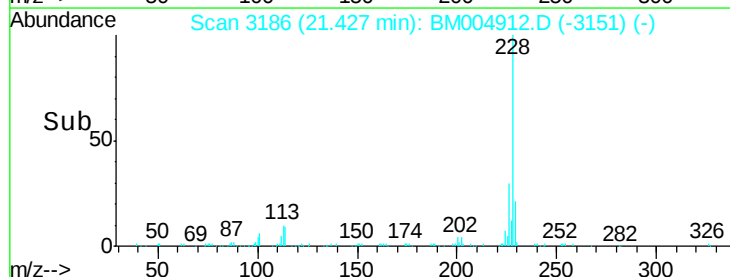


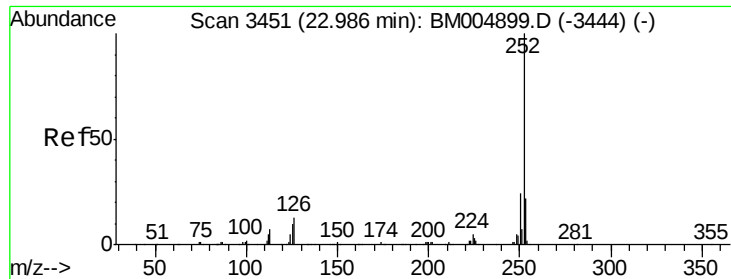
Abundance

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(b)fluoranthene

Concen: 6.45 ng/ul

RT: 22.99 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM004912.D

Acq: 06 Apr 2016 19:41

Instrument :

BNA_M

ClientSampleId :

D9SH7MS

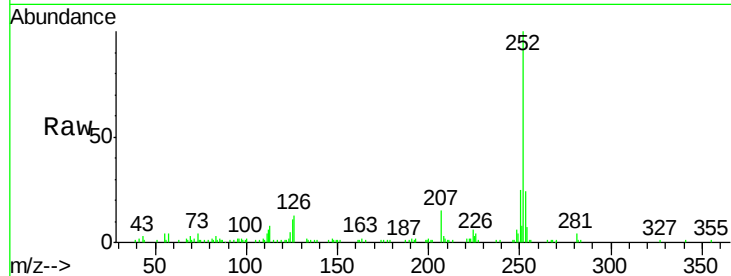
Tgt Ion:252 Resp: 144887

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

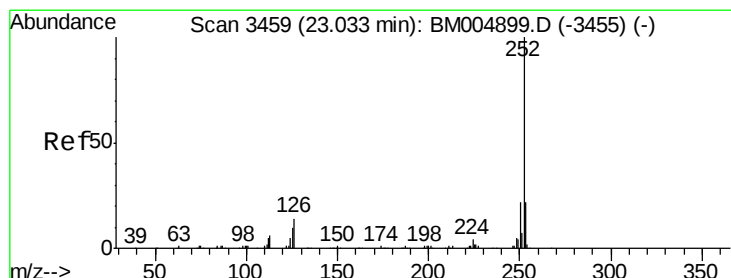
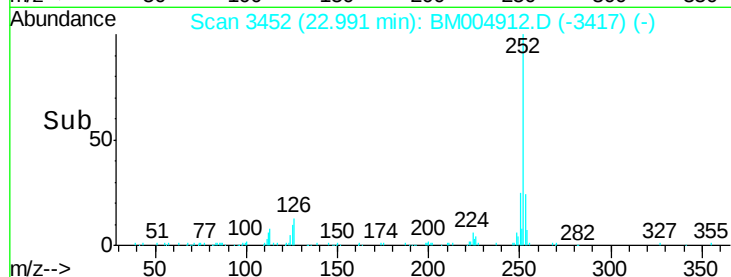
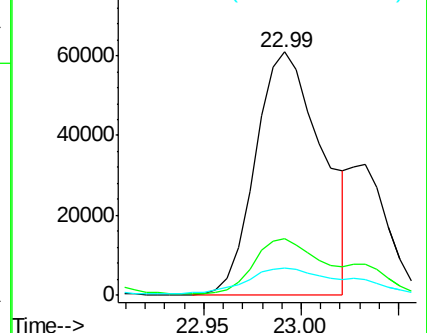
125 11.0 8.5 12.7



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

Benzo(k)fluoranthene

Concen: 6.72 ng/ul

RT: 22.99 min Scan# 3452

Delta R.T. -0.04 min

Lab File: BM004912.D

Acq: 06 Apr 2016 19:41

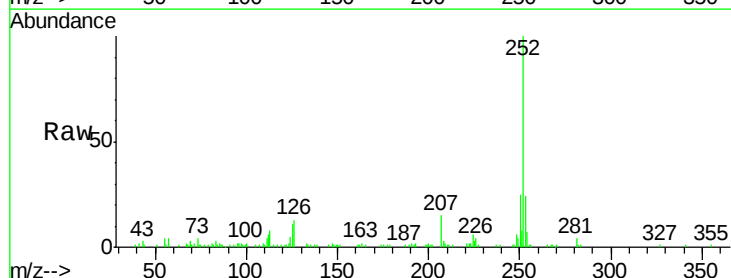
Tgt Ion:252 Resp: 144887

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

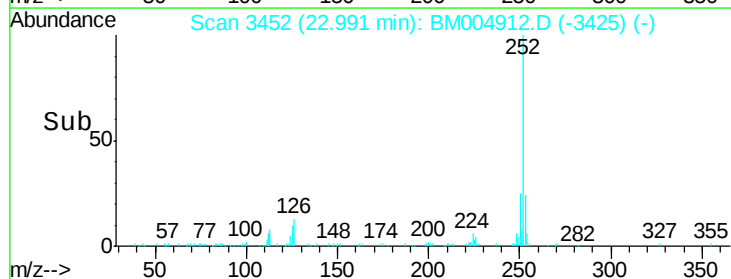
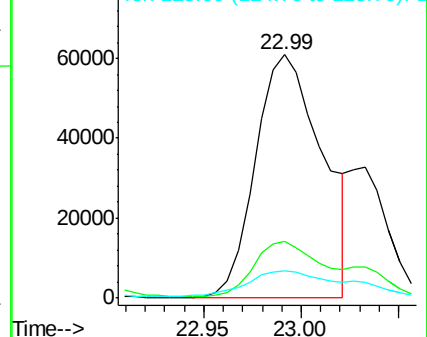
125 11.0 8.2 12.2

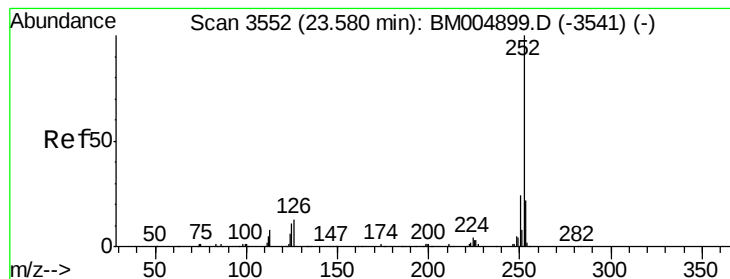


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 3.44 ng/ul

RT: 23.58 min Scan# 3552

Delta R.T. -0.00 min

Lab File: BM004912.D

Acq: 06 Apr 2016 19:41

Instrument :

BNA_M

ClientSampleId :

D9SH7MS

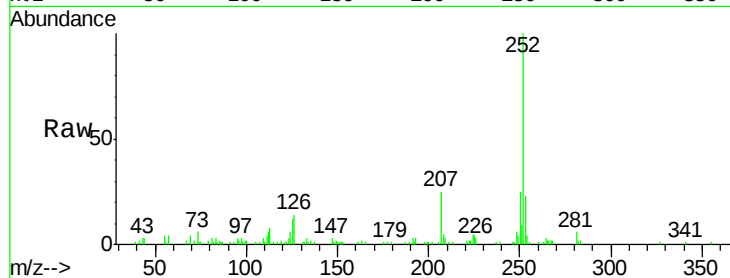
Tgt Ion:252 Resp: 74976

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

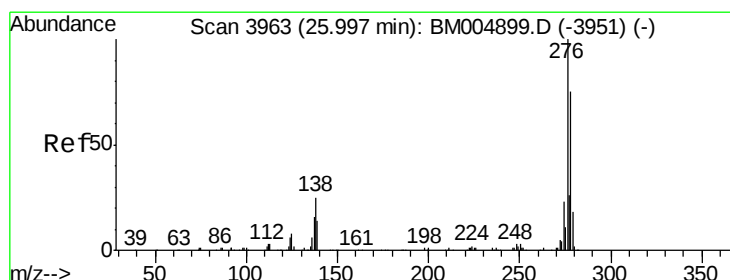
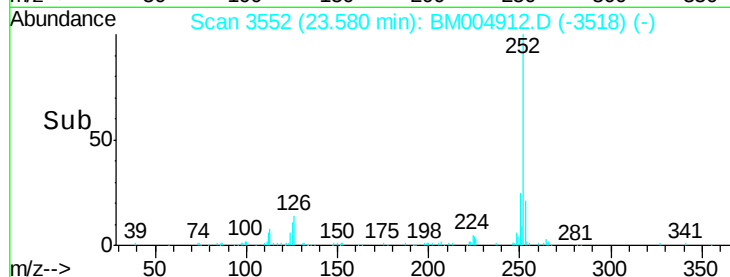
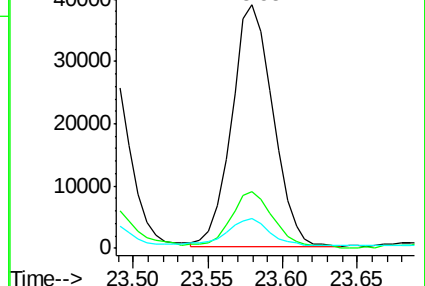
125 12.1 9.0 13.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.82 ng/ul

RT: 26.00 min Scan# 3963

Delta R.T. -0.00 min

Lab File: BM004912.D

Acq: 06 Apr 2016 19:41

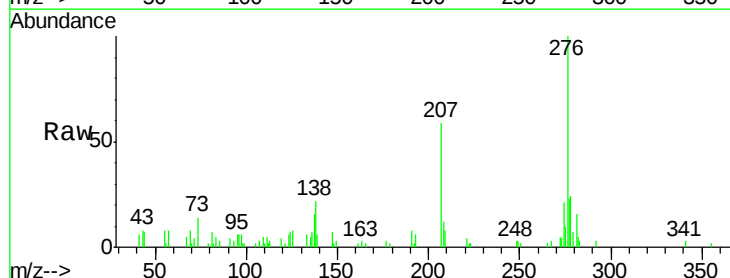
Tgt Ion:276 Resp: 47192

Ion Ratio Lower Upper

276 100

138 21.5 22.3 33.5#

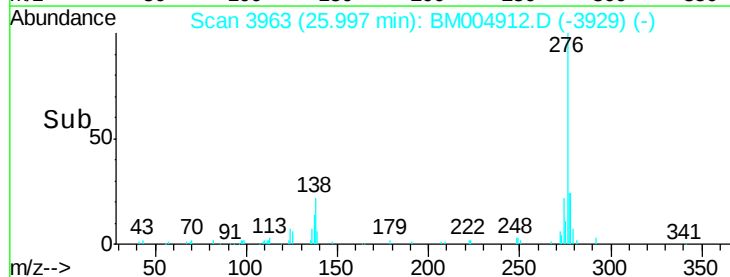
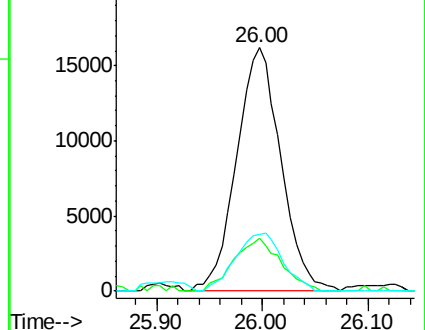
277 23.3 20.2 30.2

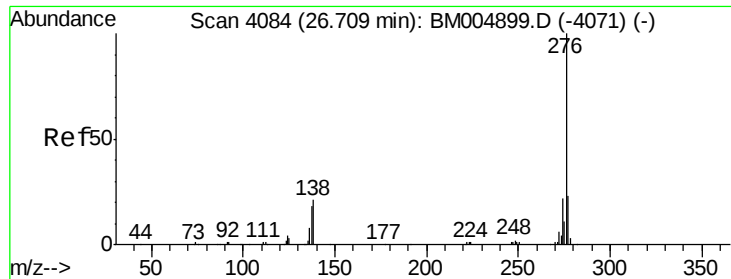


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 1.92 ng/ul

RT: 26.71 min Scan# 4084

Delta R.T. -0.00 min

Lab File: BM004912.D

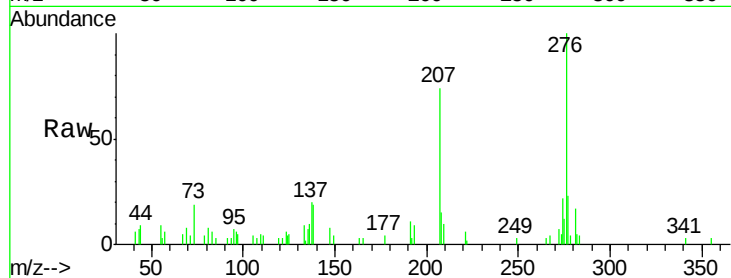
Acq: 06 Apr 2016 19:41

Instrument :

BNA_M

ClientSampleId :

D9SH7MS



Tgt Ion:	276	Resp:	42780
Ion	Ratio	Lower	Upper
276	100		
138	19.3	18.9	28.3
277	23.2	19.2	28.8

