

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

Manual Integrations
 APPROVED

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 4/7/2016 5:59:44 PM

Quant Time: Apr 07 05:42:10 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

						Ovalue
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	23.03	252	44237m	2.05	ng/ul	
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

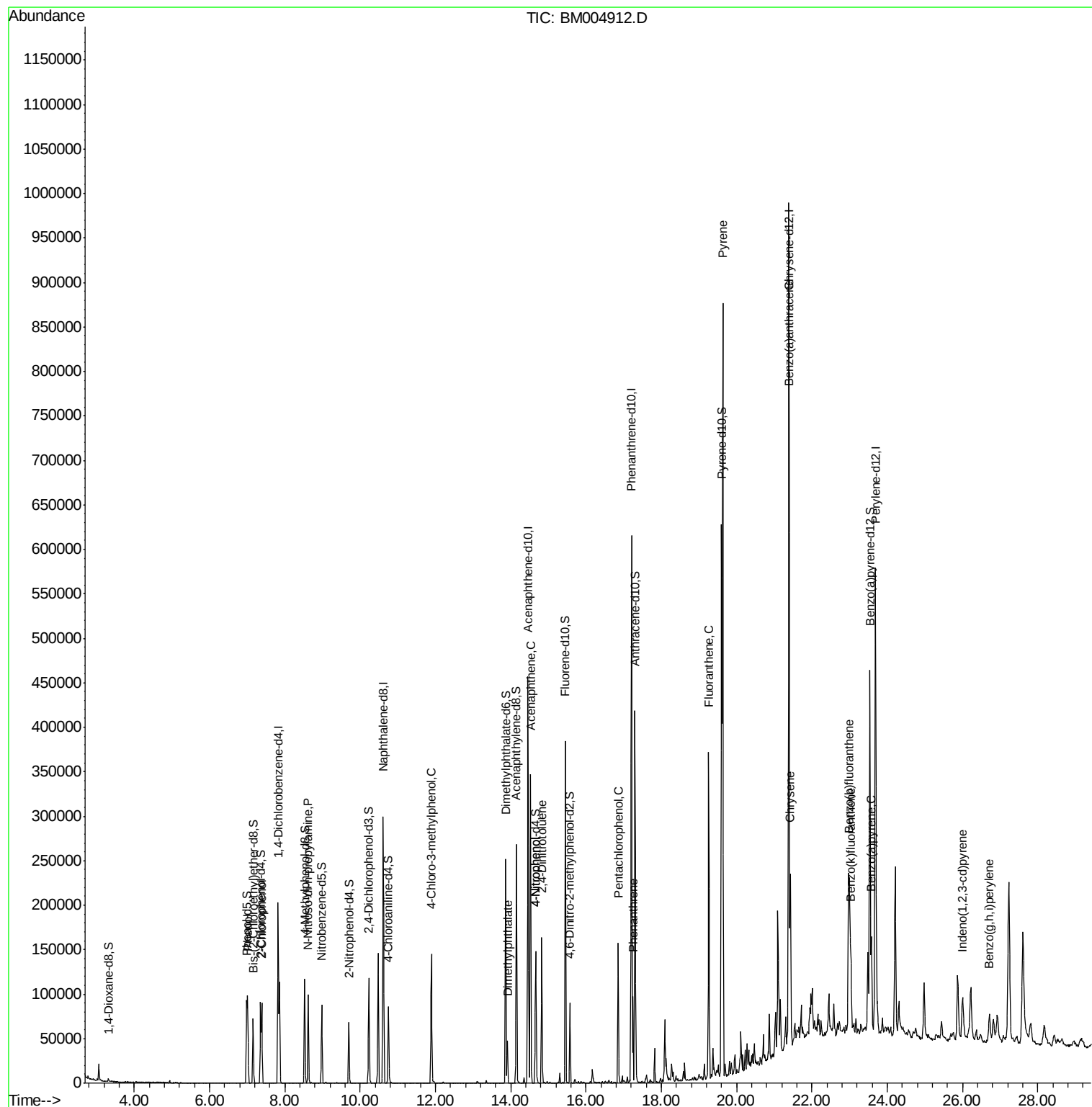
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
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ALS Vial : 14 Sample Multiplier: 1

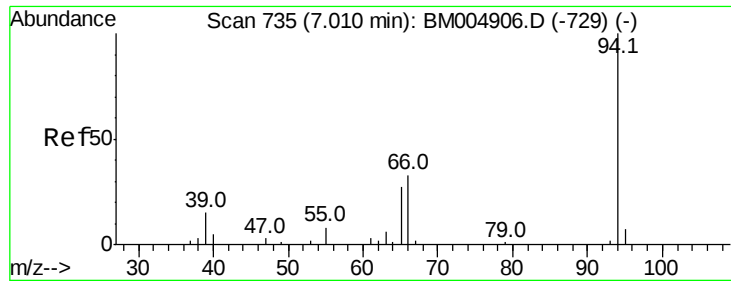
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Quant Time: Apr 07 05:42:10 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 07 04:29:45 2016
Response via : Initial Calibration





#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

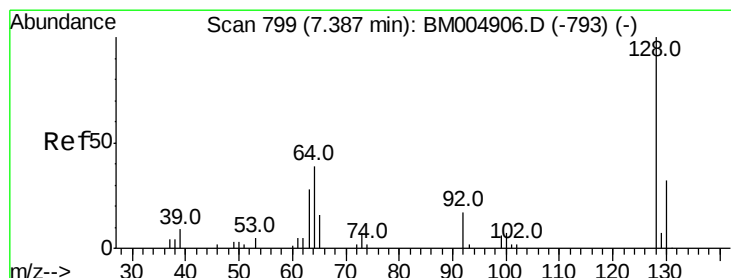
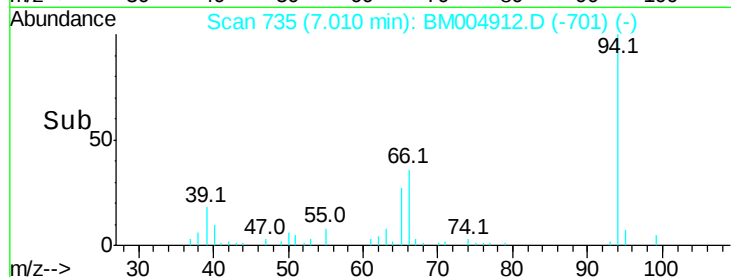
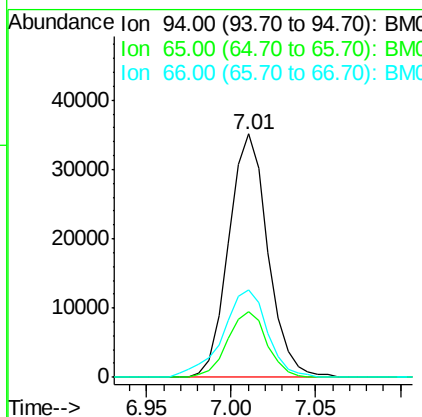
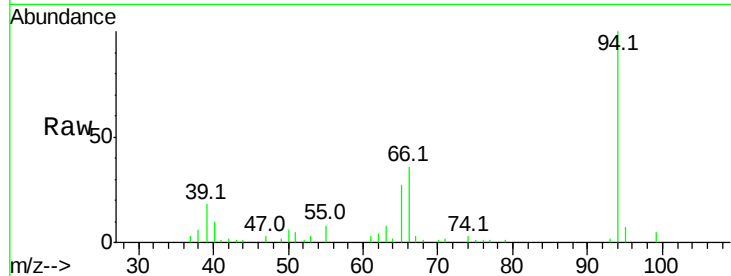
ClientSampleId :

D9SH7MS

Tot Ion:	94	Resp:	56695
Ion Ratio	Lower	Upper	
94	100		
65	26.9	21.0	31.6
66	36.0	29.3	43.9

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#10

2-Chlorophenol

Concen: 10.90 ng/ul

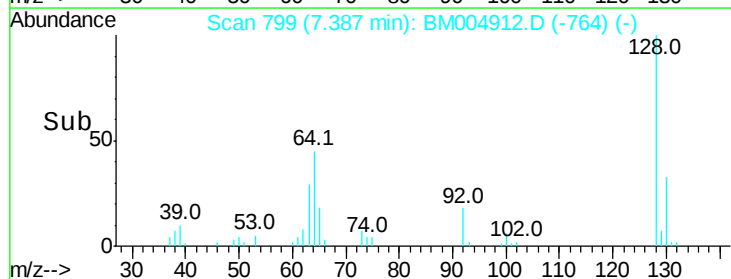
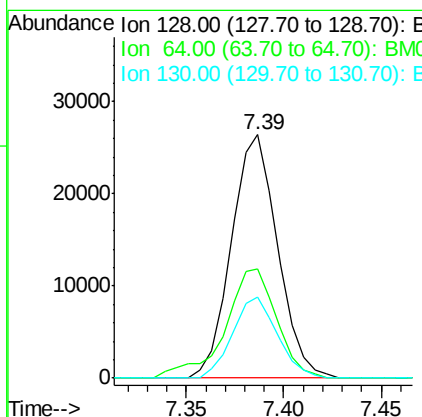
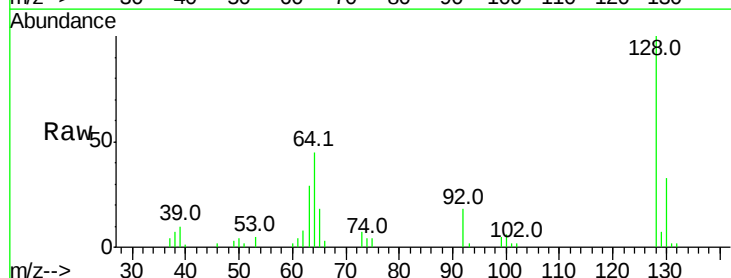
RT: 7.39 min Scan# 799

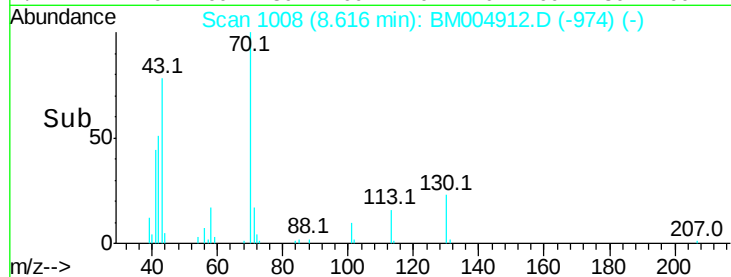
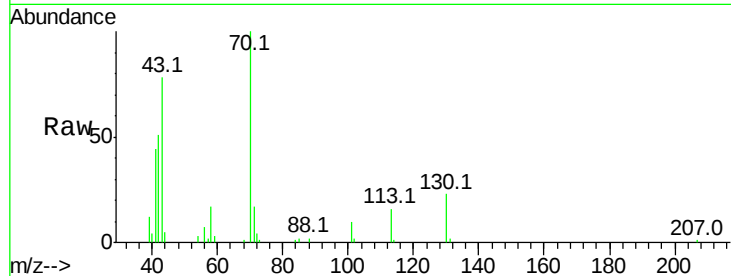
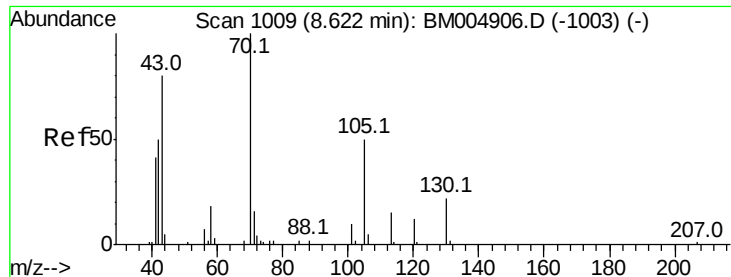
Delta R.T. 0.01 min

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





#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

Tot Ion	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	

Instrument :

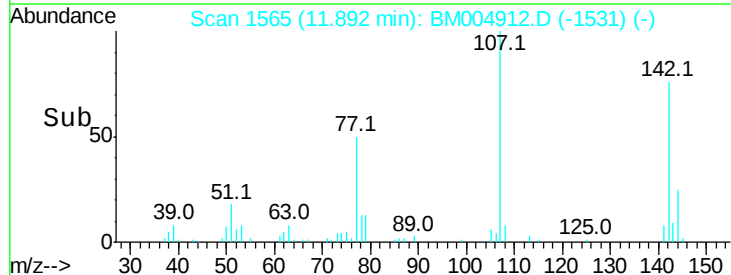
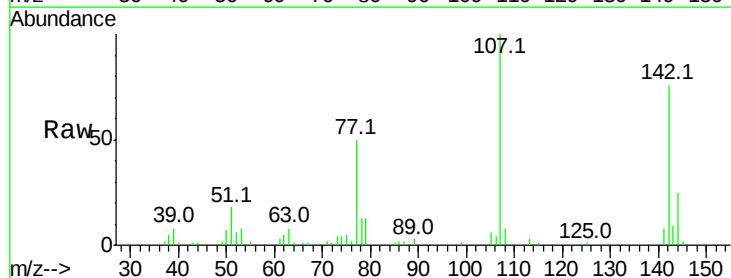
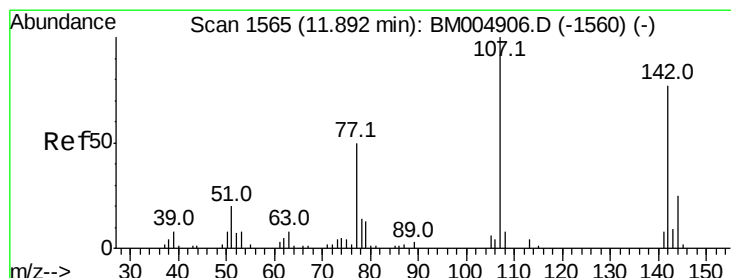
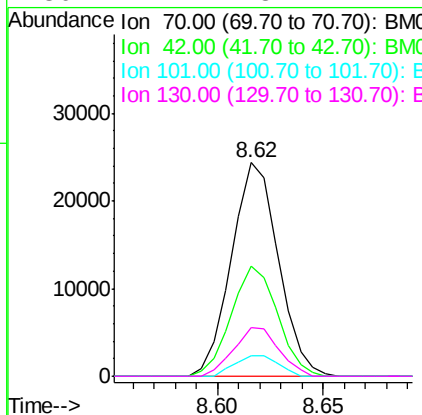
BNA_M

ClientSampleId :

D9SH7MS

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#33

4-Chloro-3-methylphenol

Concen: 12.77 ng/ul

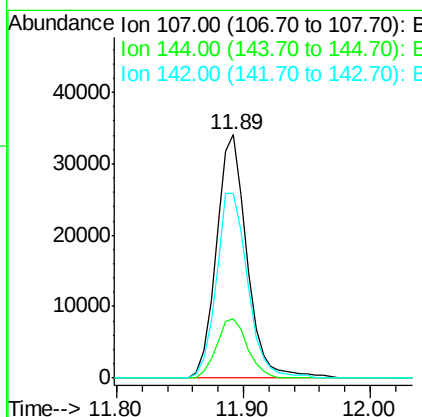
RT: 11.89 min Scan# 1565

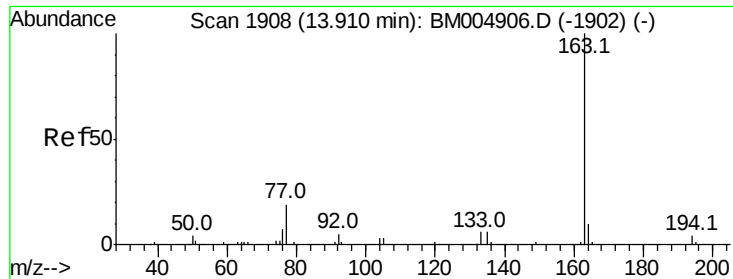
Delta R.T. -0.00 min

Lab File: BM004912.D

Acq: 06 Apr 2016 19:41

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





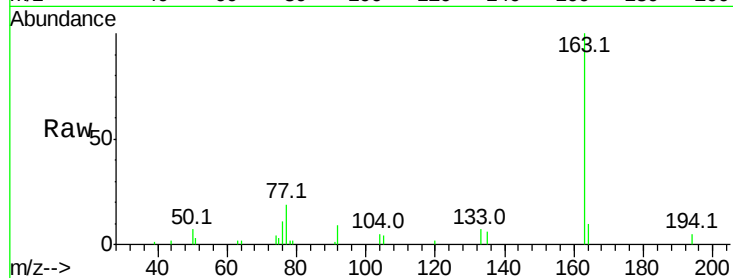
#45
Dimethylphthalate
Concen: 2.66 ng/ul
RT: 13.91 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Instrument :
BNA_M
ClientSampleId :
D9SH7MS

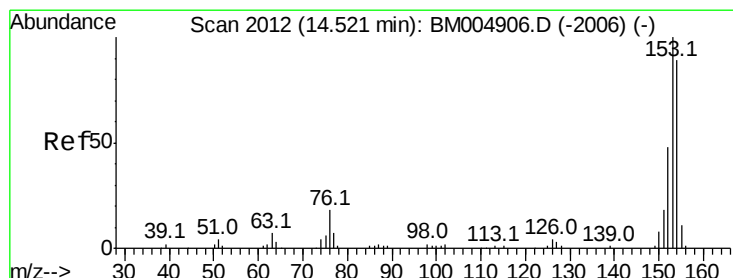
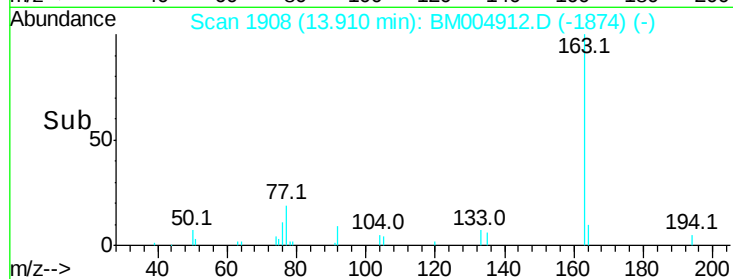
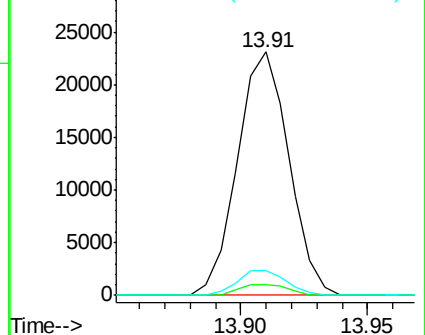
Tot Ion:	163	Resp:	32673
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.2	4.8
164	9.9	7.8	11.8

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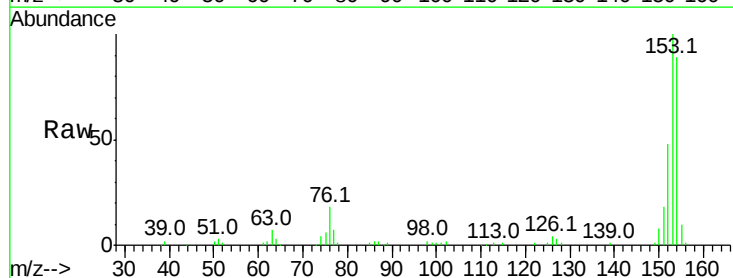


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

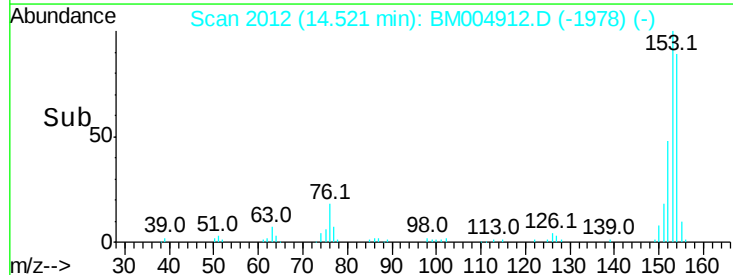
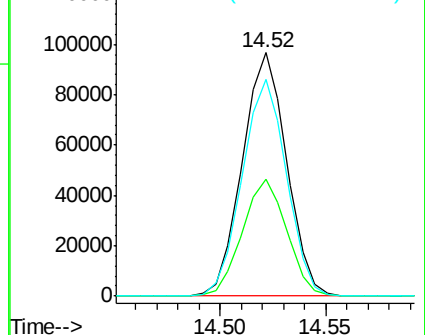


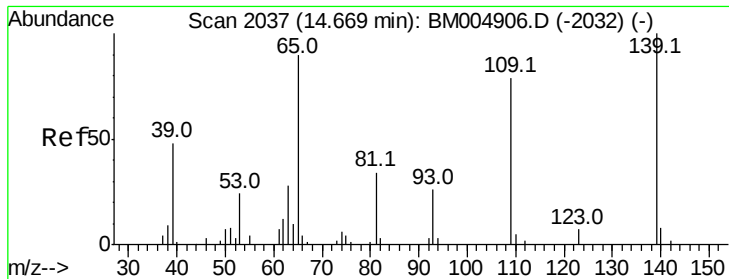
#50
Acenaphthene
Concen: 13.69 ng/ul
RT: 14.52 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

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



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





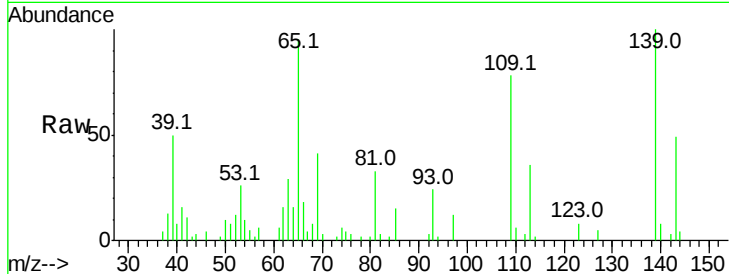
#53
4-Nitrophenol
Concen: 10.53 ng/ul
RT: 14.66 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Instrument :
BNA_M
ClientSampleId :
D9SH7MS

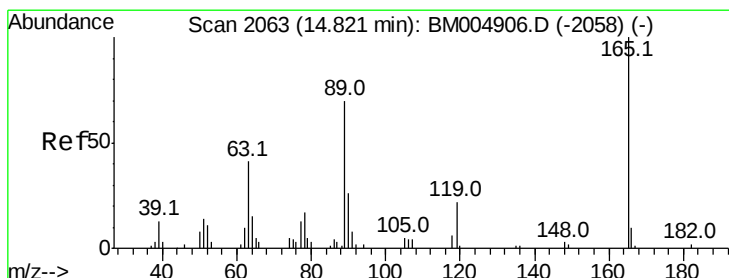
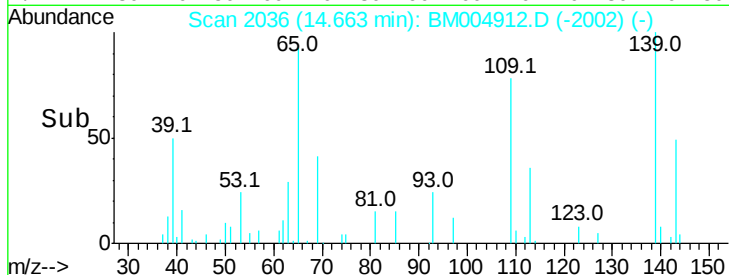
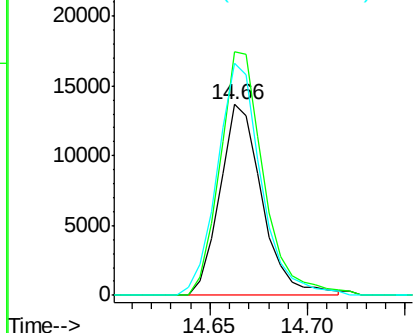
Tot Ion	Ratio	Lower	Upper
109	100		
139	127.7	103.7	155.5
65	121.8	89.4	134.2

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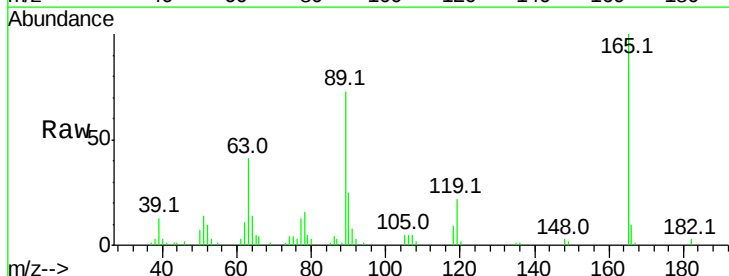


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BM

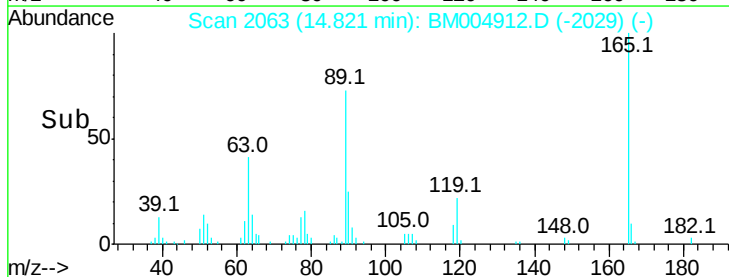
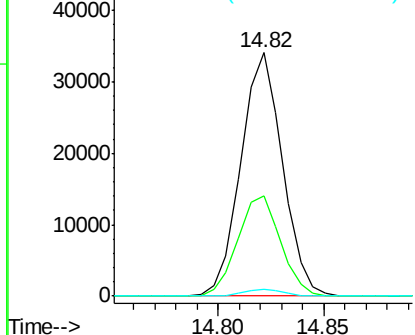


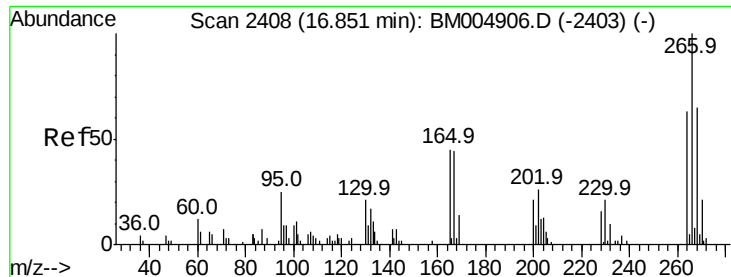
#55
2,4-Dinitrotoluene
Concen: 13.00 ng/ul
RT: 14.82 min Scan# 2063
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Tgt Ion	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 :

BNA_M

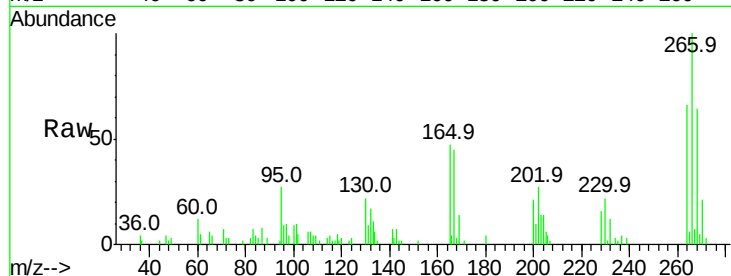
ClientSampleId :

D9SH7MS

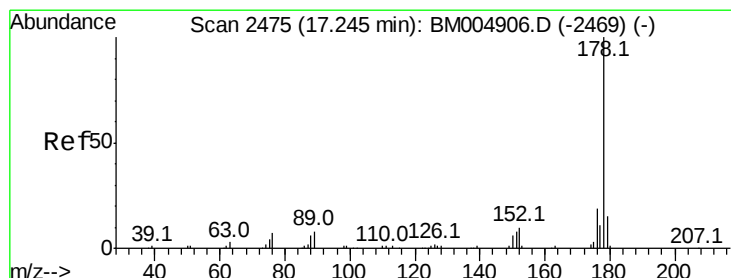
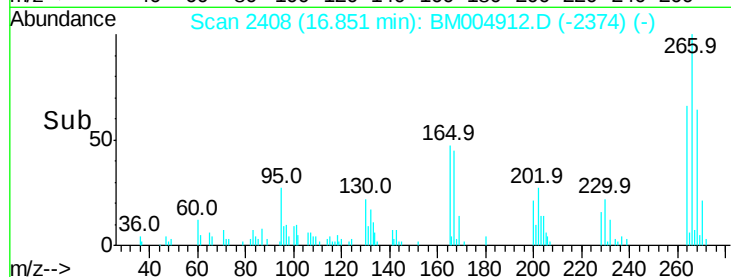
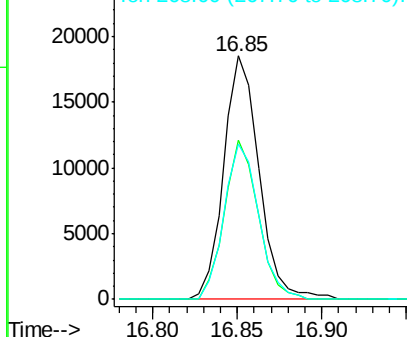
Tot Ion:	266	Resp:	27048
Ion Ratio	Lower	Upper	
266	100		
264	65.5	50.5	75.7
268	64.0	50.9	76.3

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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

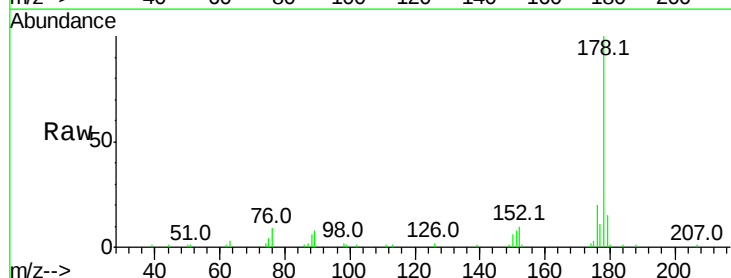
RT: 17.24 min Scan# 2475

Delta R.T. -0.00 min

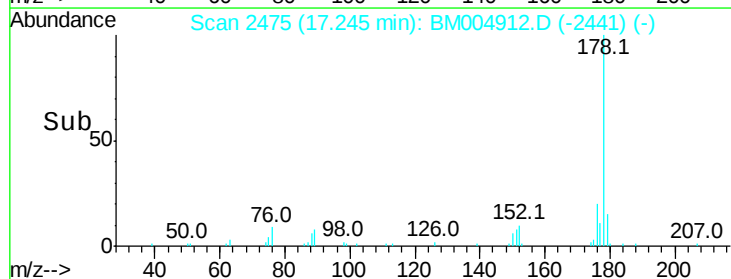
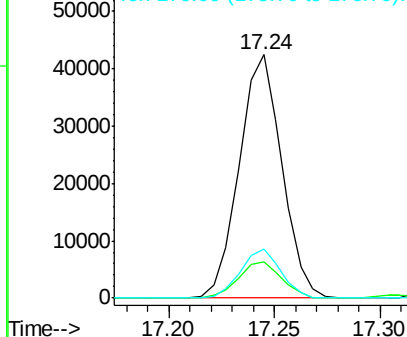
Lab File: BM004912.D

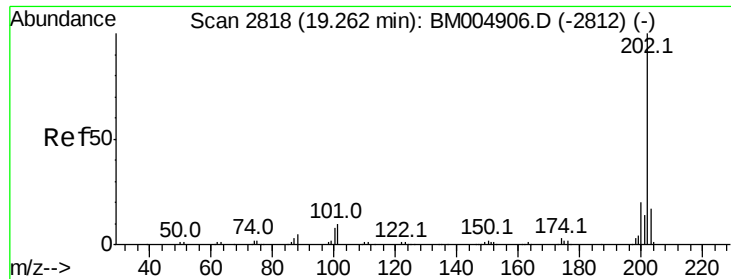
Acq: 06 Apr 2016 19:41

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

Instrument :

BNA_M

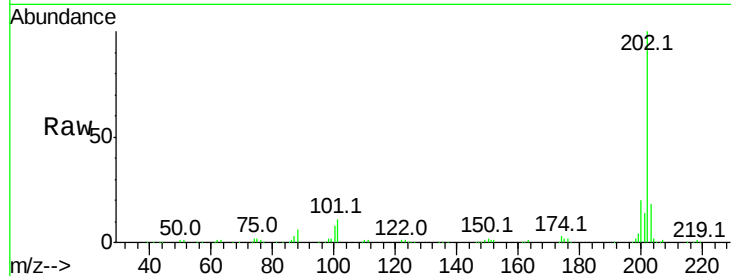
ClientSampleId :

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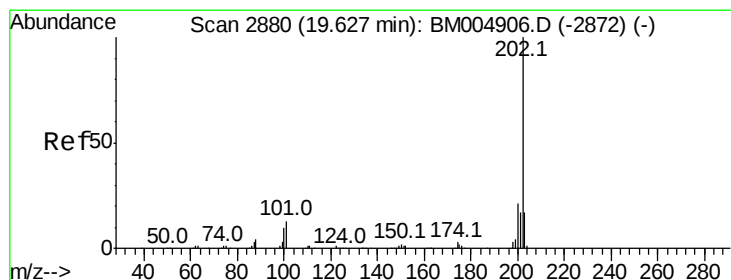
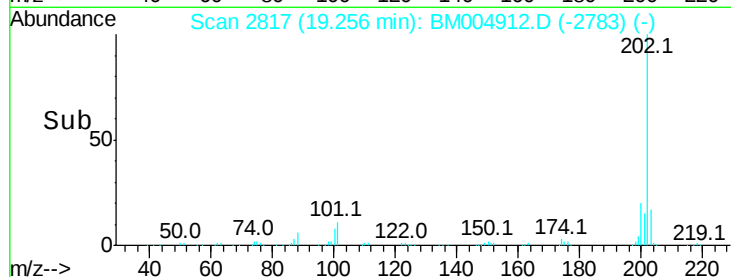
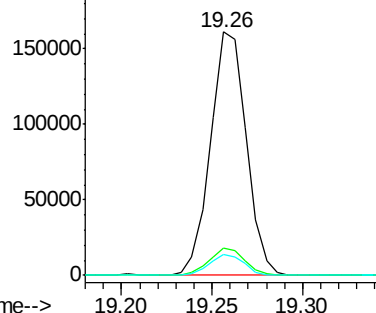
Tot Ion:	202	Resp:	221229
Ion Ratio	Lower	Upper	
202	100		
101	11.2	8.8	13.2
100	8.3	6.6	9.8

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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

Pyrene

Concen: 21.44 ng/ul

RT: 19.63 min Scan# 2880

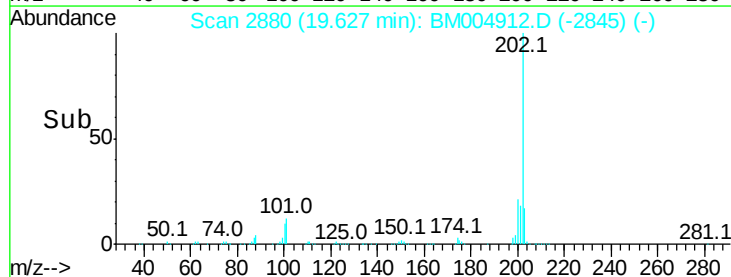
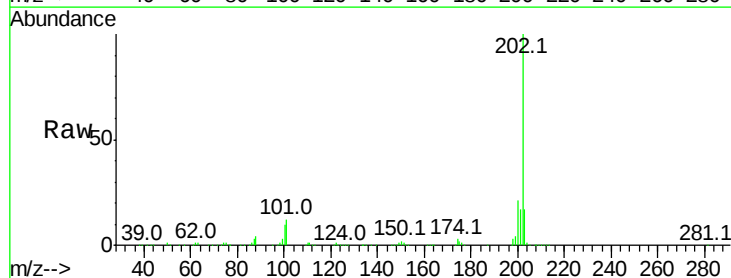
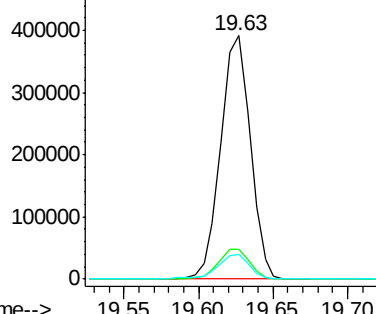
Delta R.T. 0.01 min

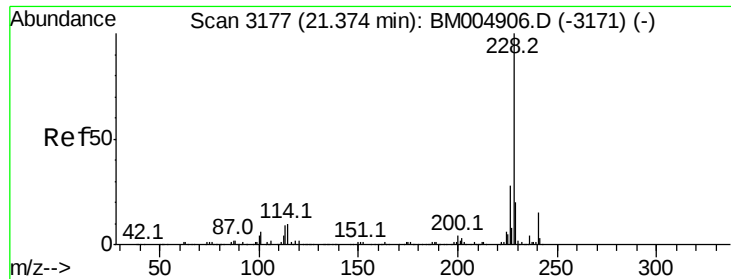
Lab File: BM004912.D

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Tgt Ion:	202	Resp:	538393
Ion Ratio	Lower	Upper	
202	100		
101	12.4	10.2	15.2
100	9.9	8.5	12.7

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





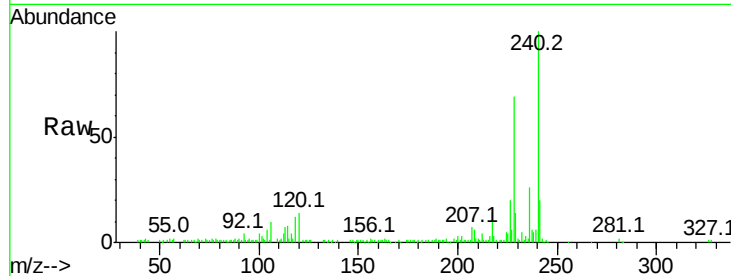
#83
Benzo(a)anthracene
Concen: 3.13 ng/ul
RT: 21.37 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Instrument :
BNA_M
ClientSampleId :
D9SH7MS

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.7	23.5
226	28.8	21.8	32.6

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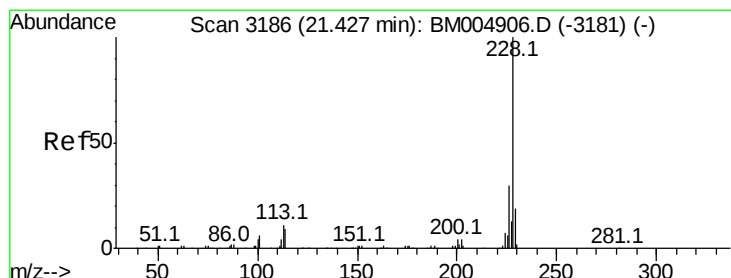
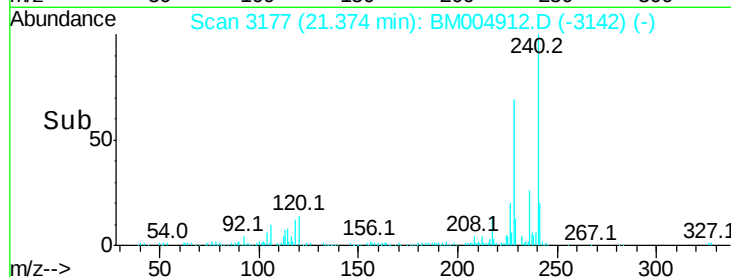
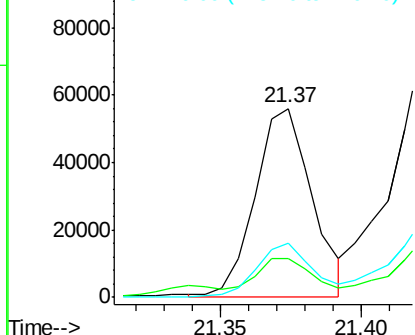


Abundance

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

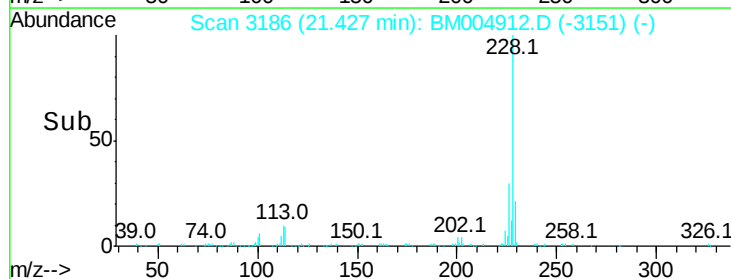
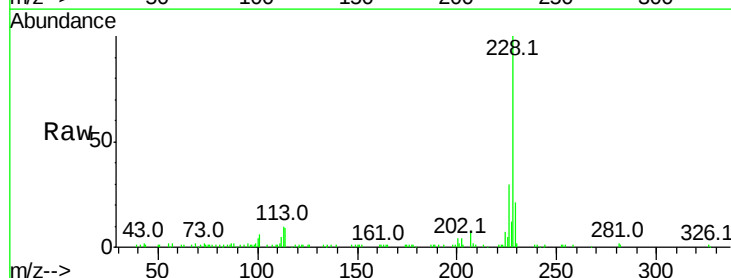
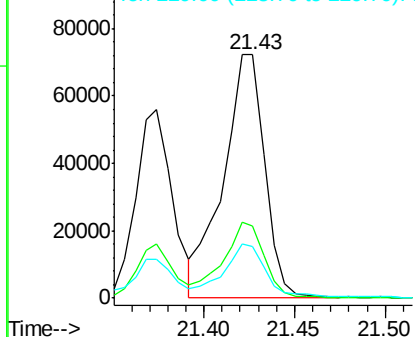
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	21.5	15.6	23.4

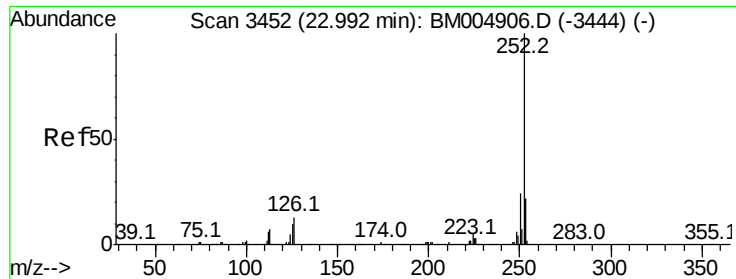
Abundance

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





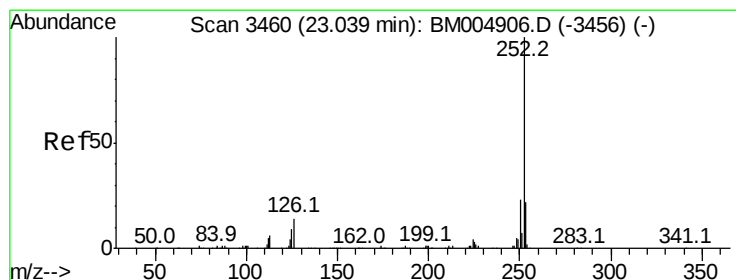
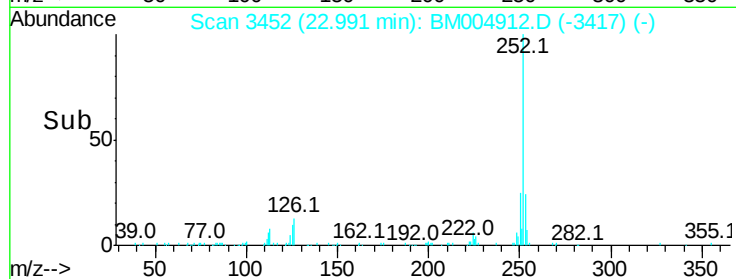
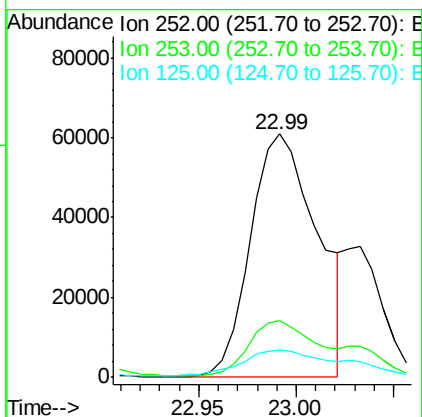
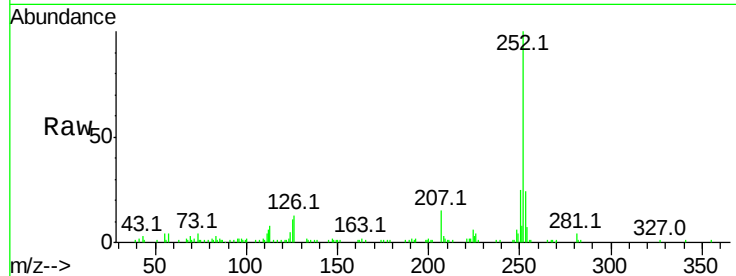
#88
Benzo(b)fluoranthene
Concen: 6.45 ng/ul
RT: 22.99 min Scan# 3452
Delta R.T. 0.01 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Instrument :
BNA_M
ClientSampleId :
D9SH7MS

Tot Ion:	252	Resp:	144887
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	11.0	8.5	12.7

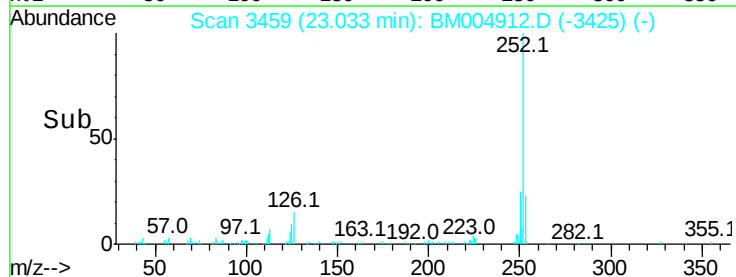
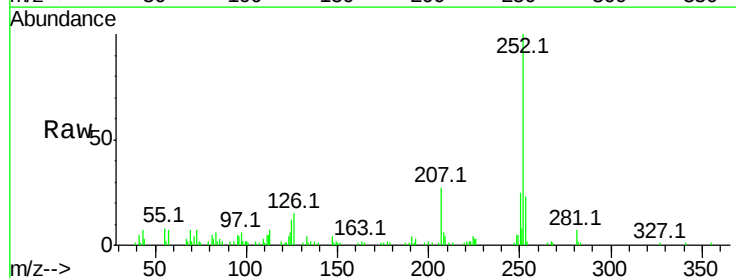
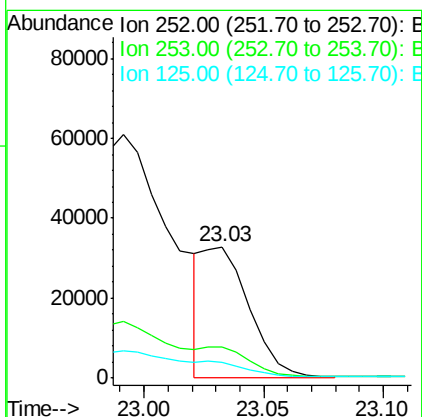
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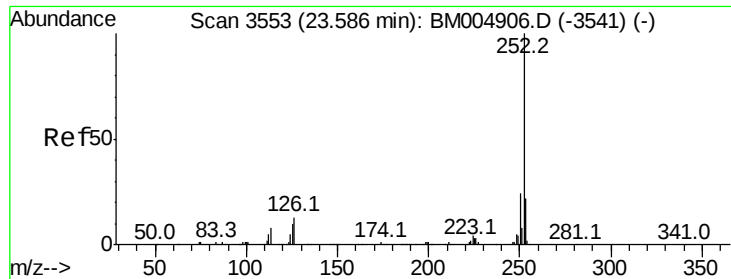
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#89
Benzo(k)fluoranthene
Concen: 2.05 ng/ul m
RT: 23.03 min Scan# 3459
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Tgt Ion:	252	Resp:	44237
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.3	25.9
125	11.9	8.2	12.2





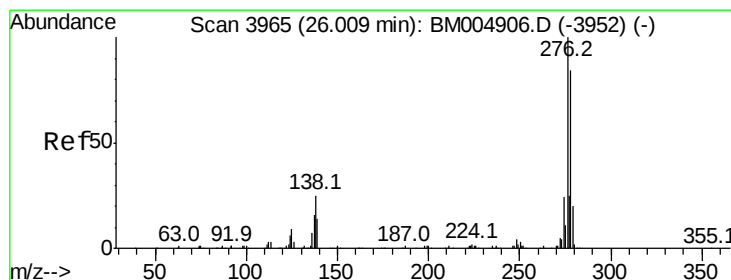
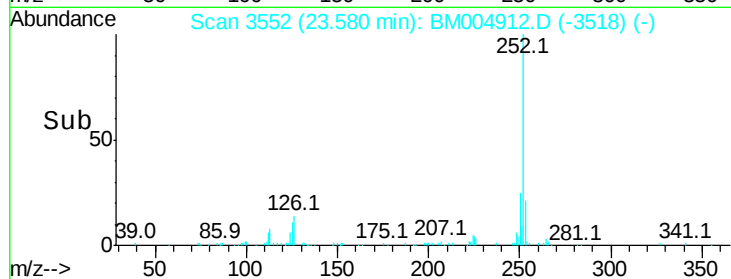
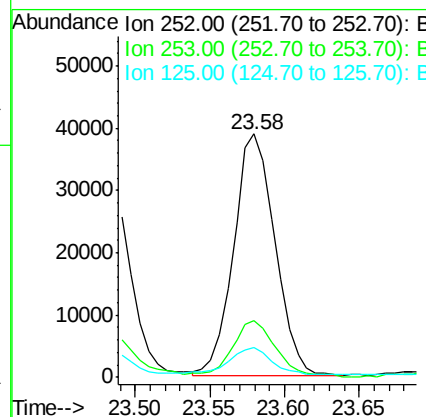
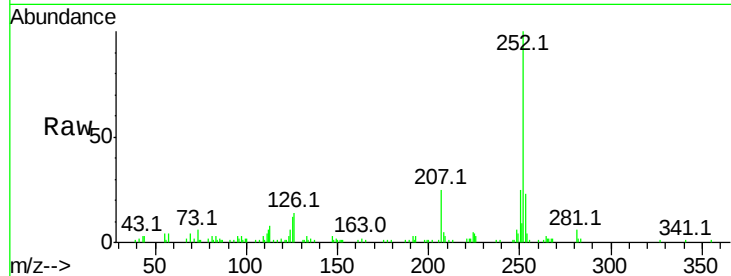
#91
Benzo(a)pyrene
Concen: 3.44 ng/ul
RT: 23.58 min Scan# 3552
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Instrument :
BNA_M
ClientSampleId :
D9SH7MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	12.1	9.0	13.6

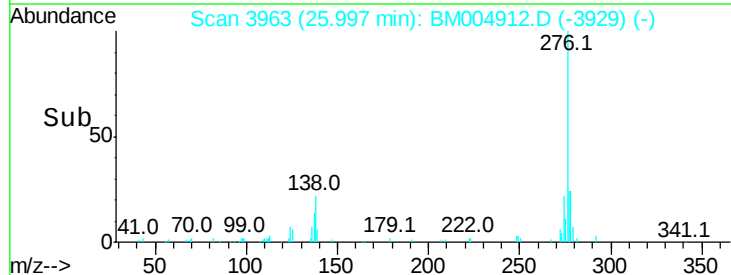
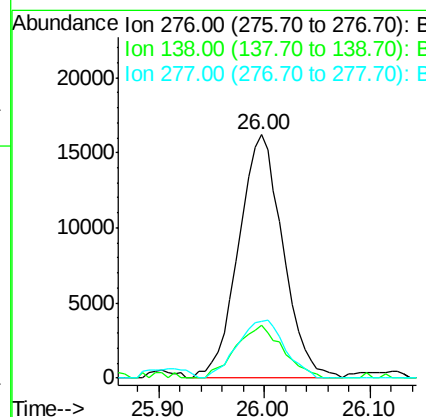
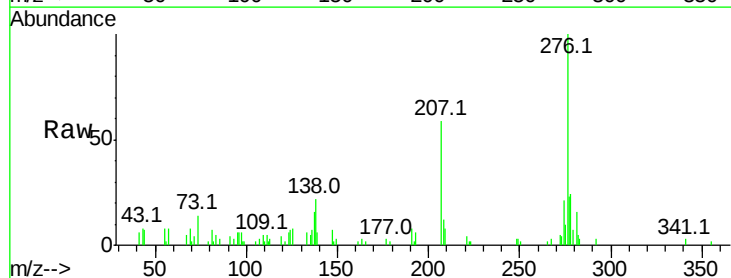
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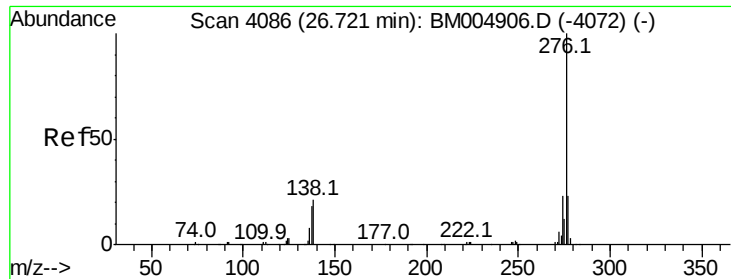
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#92
Indeno(1,2,3-cd)pyrene
Concen: 1.82 ng/ul
RT: 26.00 min Scan# 3963
Delta R.T. -0.00 min
Lab File: BM004912.D
Acq: 06 Apr 2016 19:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.3	33.5#
277	23.3	20.2	30.2





#94
 Benzo(a,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

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

Manual Integrations
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