

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
 Data File : BM005512.D
 Acq On : 19 May 2016 23:43
 Operator : UM/SJ
 Sample : H2890-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9WT5

Manual Integrations
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Quant Time: May 20 11:16:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 01:00:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	226362	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1126180	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	783607	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1962057	20.00	ng/ul	0.01
75) Chrysene-d12	21.40	240	2720413	20.00	ng/ul	0.02
83) Perylene-d12	23.70	264	2602095	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	8143	1.38	ng/uL	0.00
5) Phenol-d5	6.99	99	271591	12.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	167797	14.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	228153	13.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	244612	13.21	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	130596	16.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	145304	16.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	253706	14.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	57927	2.87	ng/ul	-0.02
43) Dimethylphthalate-d6	13.88	166	889837	13.81	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	1153162	15.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	11782	0.89	ng/ul	-0.02
57) Fluorene-d10	15.46	176	873736	15.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	145543	14.07	ng/ul	0.02
70) Anthracene-d10	17.32	188	1416169	15.69	ng/ul	0.01
76) Pyrene-d10	19.60	212	1750382	16.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1626799	13.98	ng/ul	0.04

Target Compounds

						Qvalue
11) 2-Methylphenol	8.27	108	42354	2.38	ng/ul	97
14) Acetophenone	8.64	105	385816	13.69	ng/ul#	51
16) 4-Methylphenol	8.59	108	35317	1.77	ng/ul	96
24) 2,4-Dimethylphenol	9.80	107	61497	2.89	ng/ul#	74
28) Naphthalene	10.69	128	6717208	117.48	ng/ul	99
34) 2-Methylnaphthalene	12.30	142	6997638	155.62	ng/ul	99
40) 1,1'-Biphenyl	13.30	154	862421	13.73	ng/ul	98
44) Dimethylphthalate	13.93	163	346740	5.28	ng/ul	99
49) Acenaphthene	14.53	153	56922	1.06	ng/ul#	81
53) Dibenzofuran	14.87	168	2735925	34.86	ng/ul	91
58) Fluorene	15.52	166	175292	2.70	ng/ul#	16
69) Phenanthrene	17.26	178	7150655	64.07	ng/ul	98
71) Anthracene	17.34	178	388909m	3.52	ng/ul	
72) Carbazole	17.62	167	424956	4.25	ng/ul#	82
74) Fluoranthene	19.27	202	1999527	15.32	ng/ul#	94
77) Pyrene	19.63	202	2122470	14.56	ng/ul#	93
80) Benzo(a)anthracene	21.39	228	1458312	9.12	ng/ul#	82
81) Bis(2-ethylhexyl)phthalate	21.31	149	111538	1.20	ng/ul#	60
82) Chrysene	21.43	228	2036083	13.47	ng/ul#	88
85) Benzo(b)fluoranthene	23.01	252	1402874m	9.42	ng/ul	
86) Benzo(k)fluoranthene	23.04	252	368740m	2.55	ng/ul	
88) Benzo(a)pyrene	23.60	252	710451	4.80	ng/ul#	86
89) Indeno(1,2,3-cd)pyrene	26.03	276	424220	2.18	ng/ul	91

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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 01:00:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	26.03	278	184679	1.14	ng/ul#	51
91) Benzo(g,h,i)perylene	26.74	276	576711	3.42	ng/ul	94

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

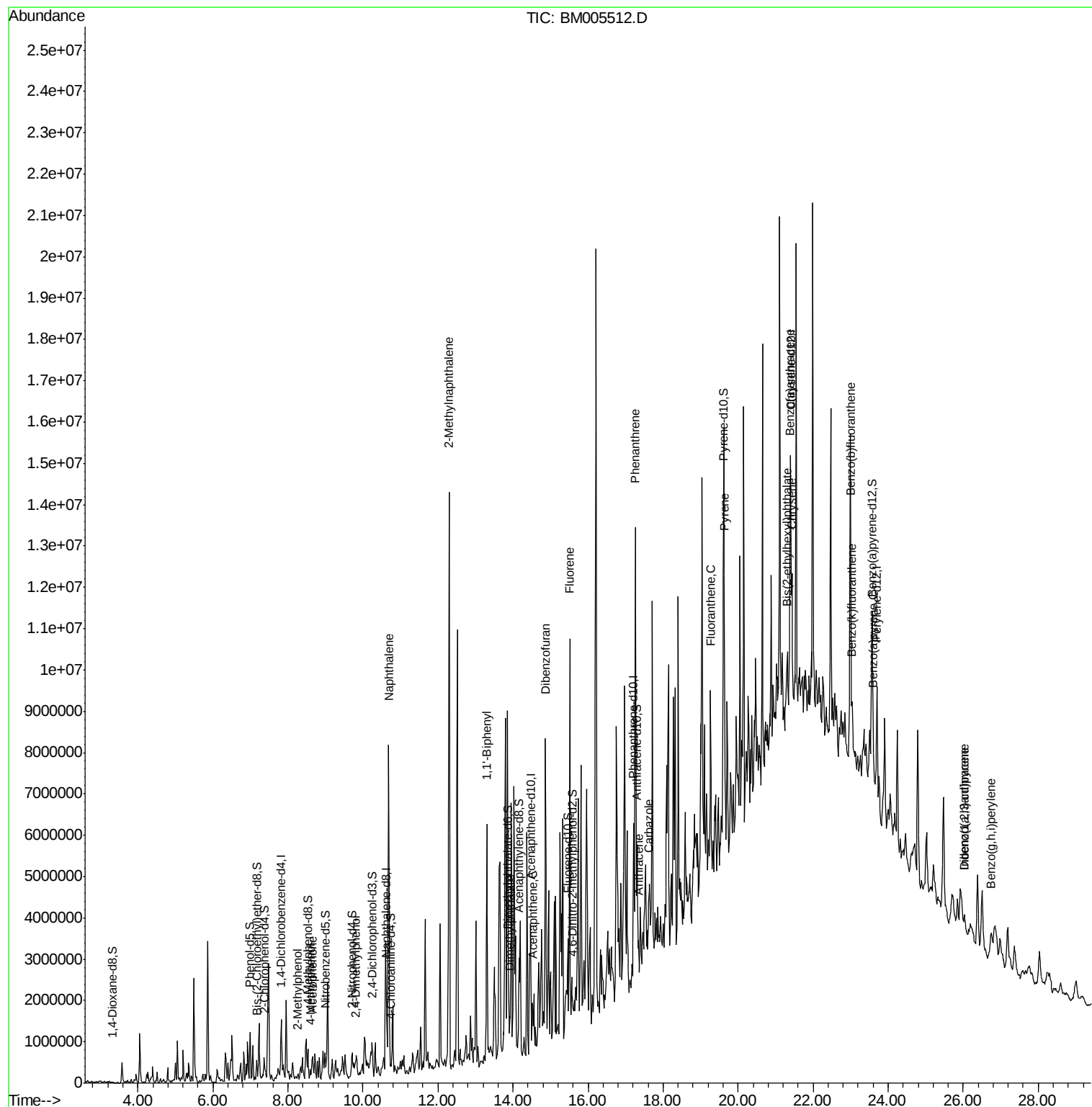
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Sample : H2890-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

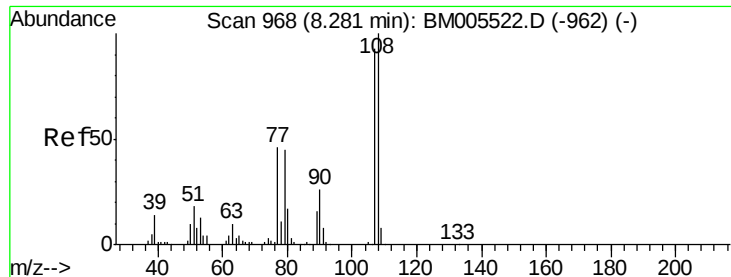
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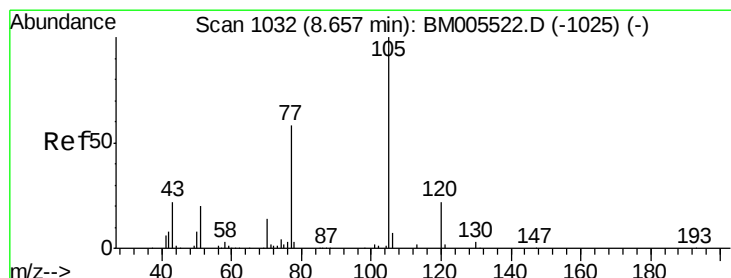
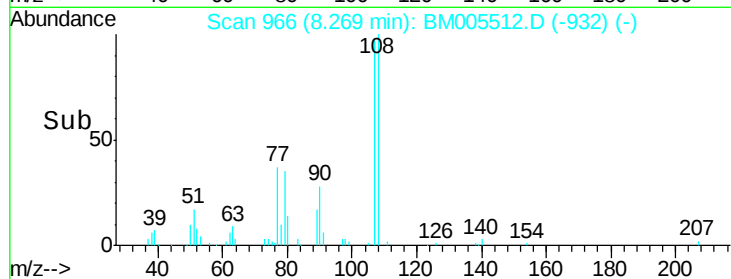
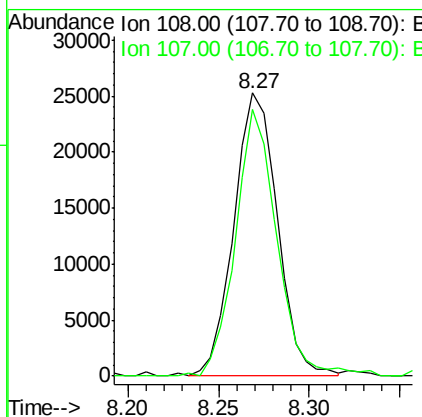
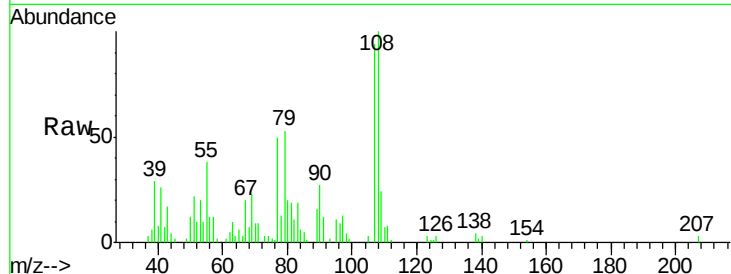
#11
 2-Methylphenol
 Concen: 2.38 ng/ul
 RT: 8.27 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: BM005512.D
 Acq: 19 May 2016 23:43

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
108	100	42354		
107	94.5	73.4	110.0	

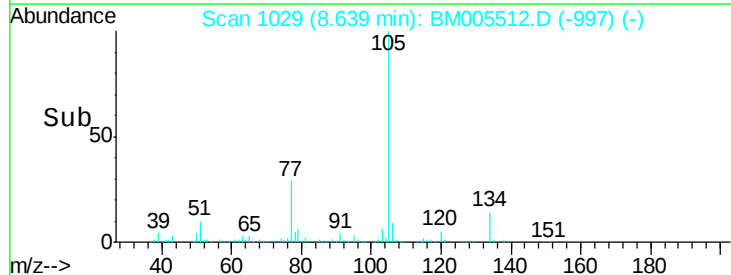
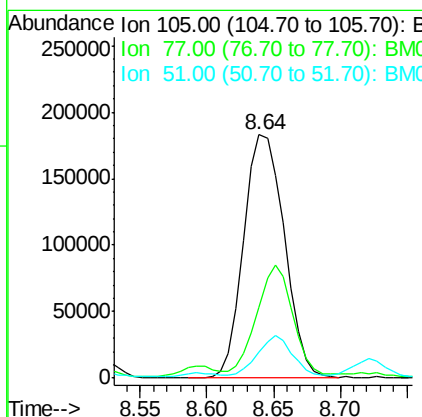
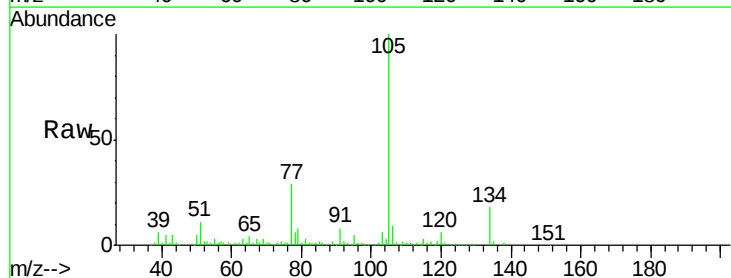
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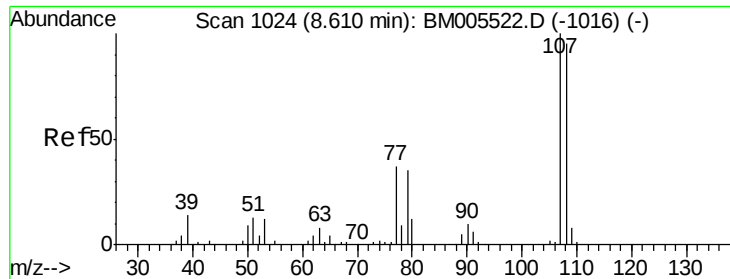
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#14
 Acetophenone
 Concen: 13.69 ng/ul
 RT: 8.64 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BM005512.D
 Acq: 19 May 2016 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	385816		
77	29.1	61.2	91.8#	
51	10.7	21.2	31.8#	





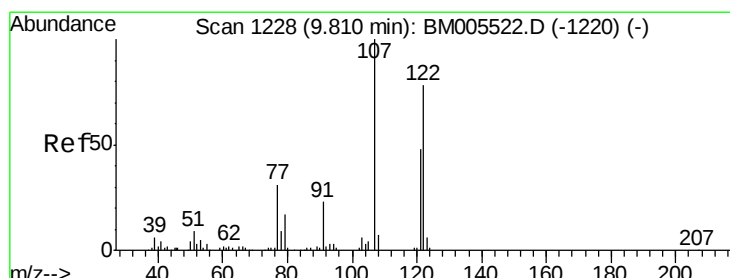
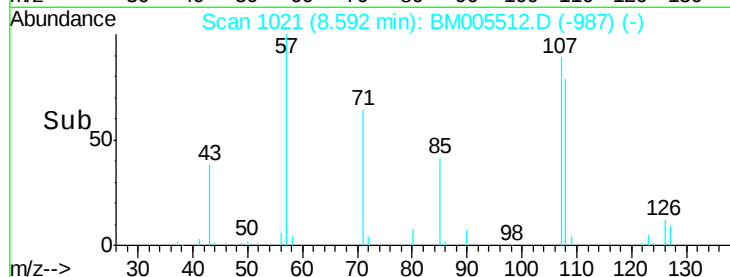
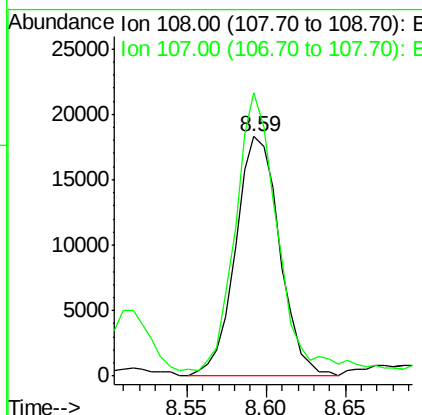
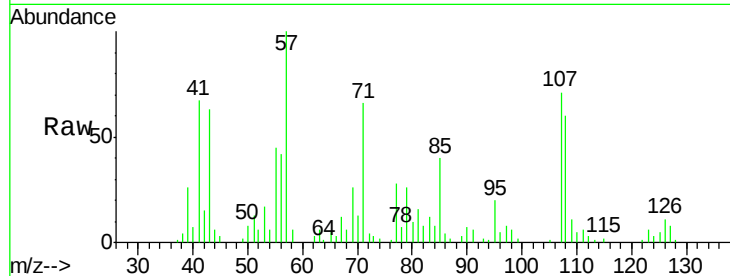
#16
4-Methylphenol
Concen: 1.77 ng/ul
RT: 8.59 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

Instrument :
BNA_M
ClientSampleId :
D9WT5

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	35317		
107	118.2	91.1	136.7	

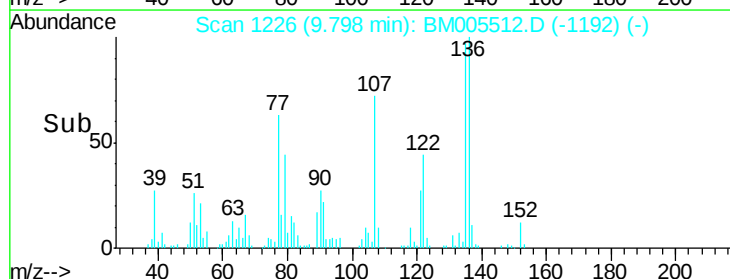
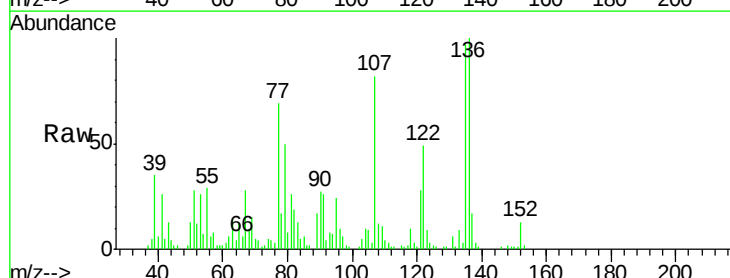
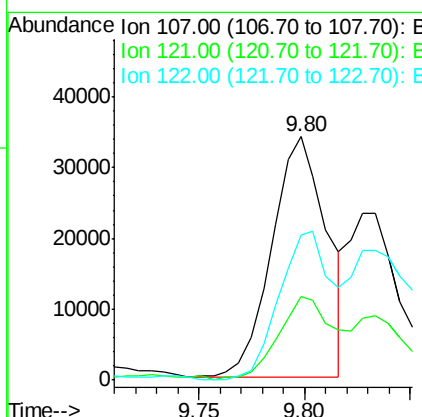
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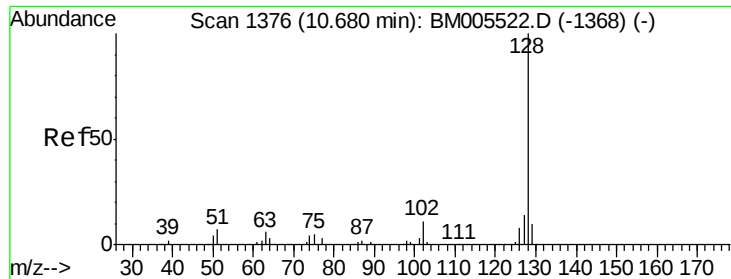
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#24
2,4-Dimethylphenol
Concen: 2.89 ng/ul
RT: 9.80 min Scan# 1226
Delta R.T. -0.00 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	61497		
121	34.2	39.1	58.7#	
122	59.3	67.8	101.6#	





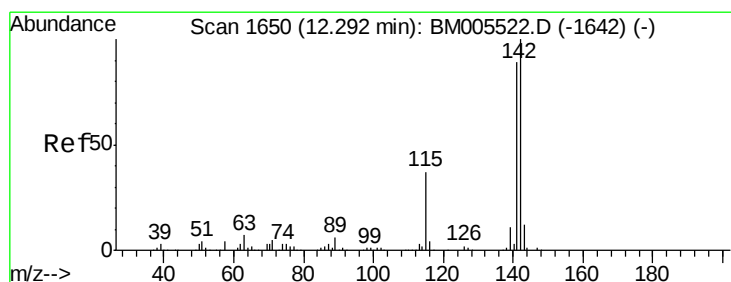
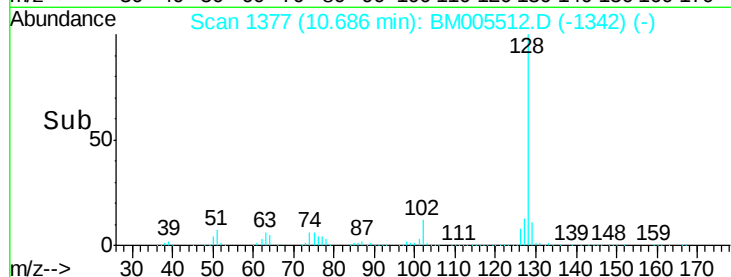
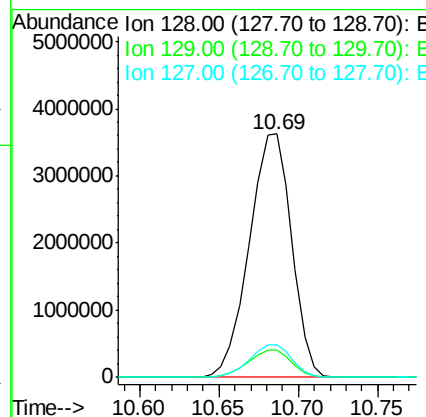
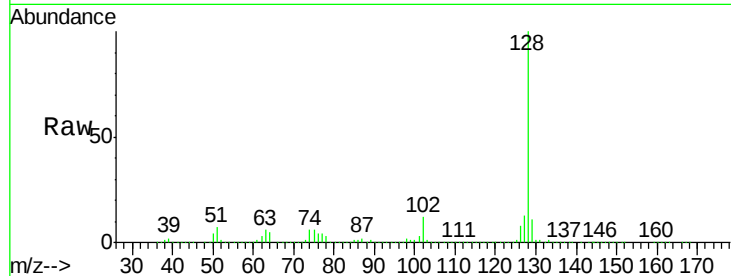
#28
Naphthalene
Concen: 117.48 ng/ul
RT: 10.69 min Scan# 1377
Delta R.T. 0.01 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

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Tgt Ion:128 Resp: 6717208
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 13.5 10.8 16.2

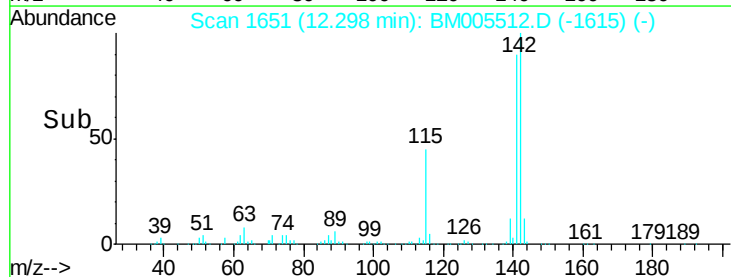
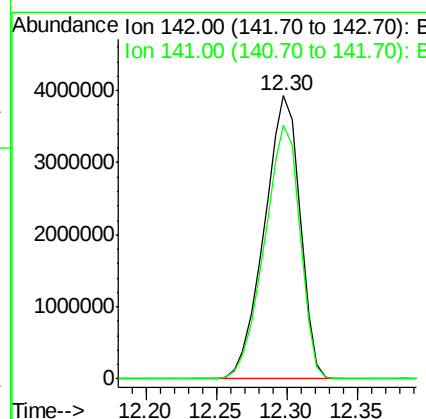
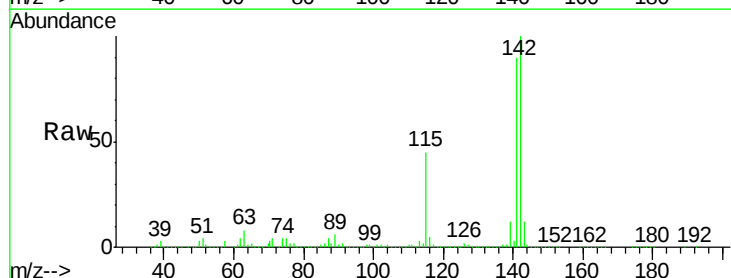
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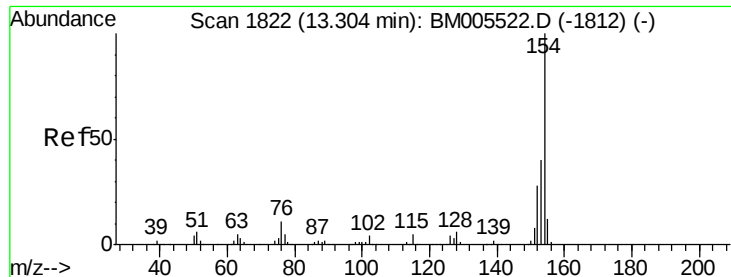
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#34
2-Methylnaphthalene
Concen: 155.62 ng/ul
RT: 12.30 min Scan# 1651
Delta R.T. 0.01 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

Tgt Ion:142 Resp: 6997638
Ion Ratio Lower Upper
142 100
141 89.9 71.3 106.9





#40

1,1'-Biphenyl

Concen: 13.73 ng/ul

RT: 13.30 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BM005512.D

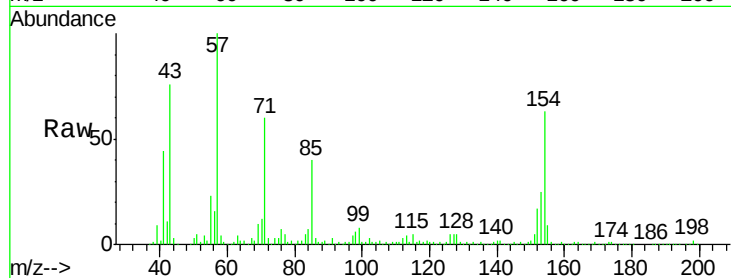
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Instrument :

BNA_M

ClientSampled :

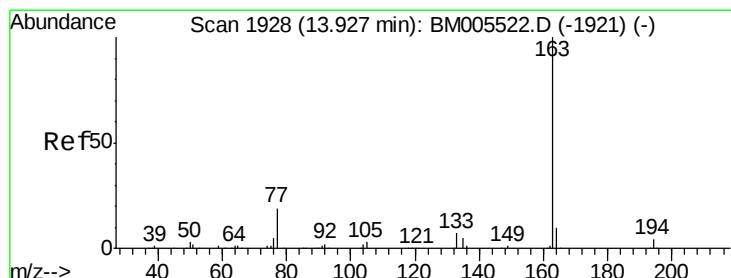
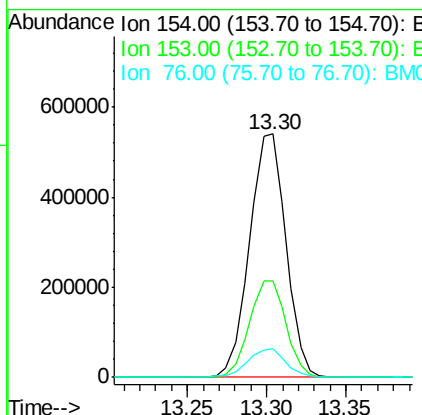
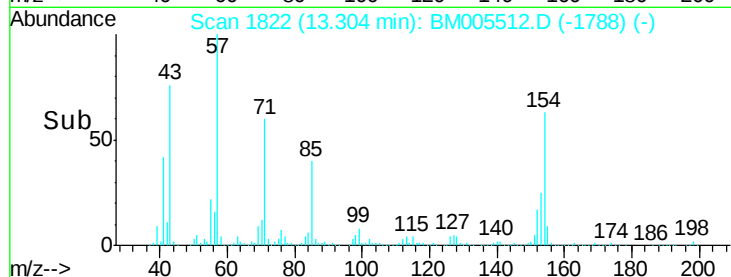
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Tgt Ion:	154	Resp:	862421
Ion Ratio	Lower	Upper	
154	100		
153	39.6	32.1	48.1
76	11.6	10.6	15.8

Manual Integrations
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#44

Dimethylphthalate

Concen: 5.28 ng/ul

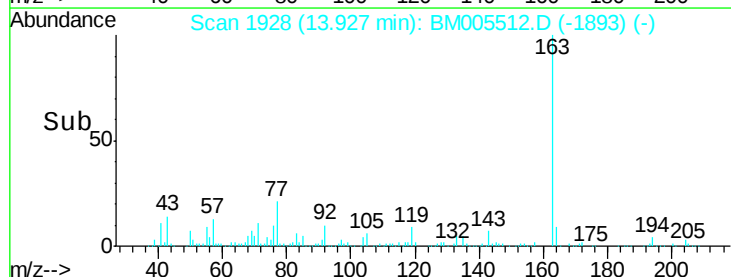
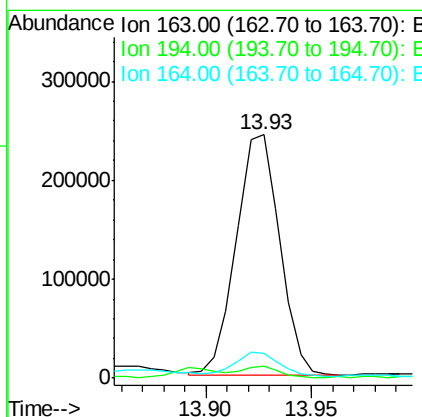
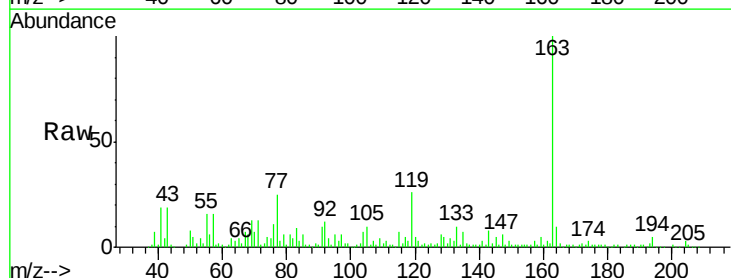
RT: 13.93 min Scan# 1928

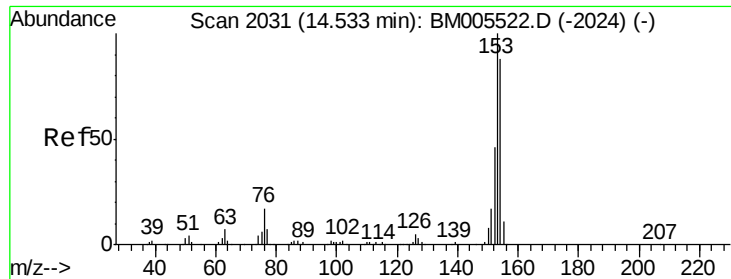
Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Tgt Ion:	163	Resp:	346740
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.4	5.0
164	10.3	7.9	11.9





#49

Acenaphthene

Concen: 1.06 ng/u1

RT: 14.53 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BM005512.D

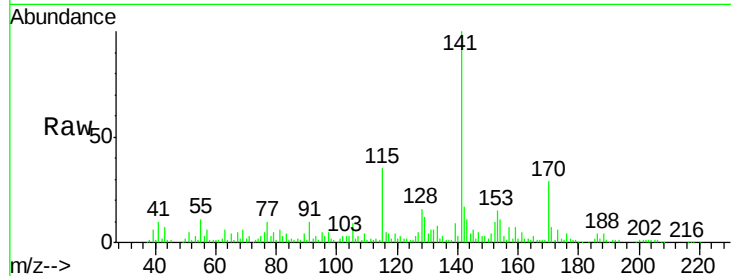
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Instrument :

BNA_M

ClientSampled :

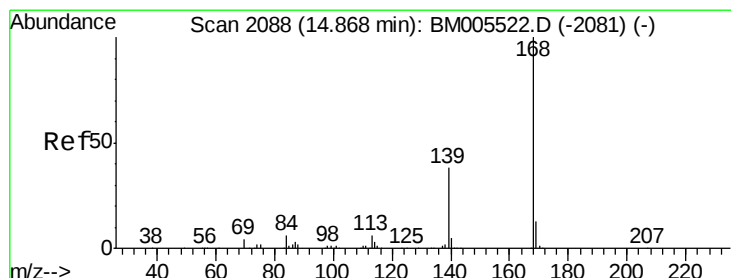
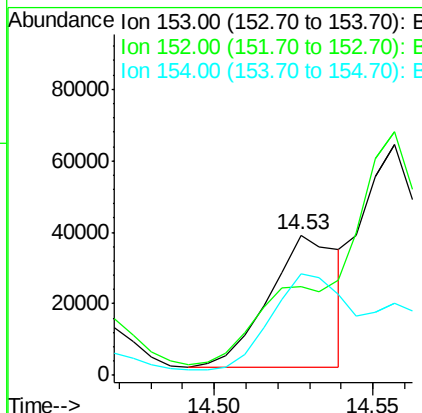
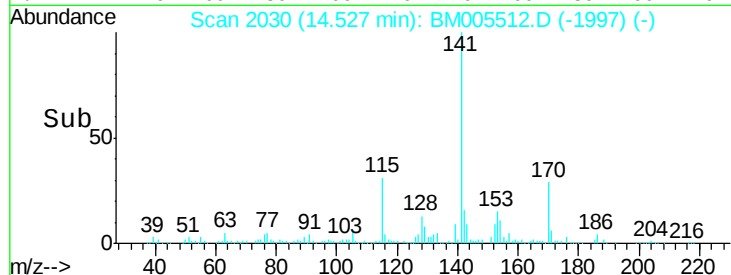
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Tgt Ion:	153	Resp:	56922
Ion Ratio	Lower	Upper	
153	100		
152	63.4	38.9	58.3#
154	72.2	70.3	105.5

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#53

Dibenzofuran

Concen: 34.86 ng/u1

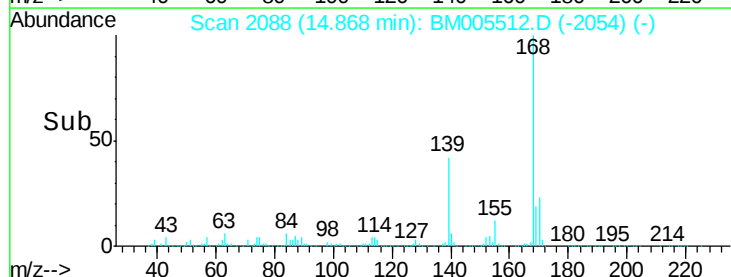
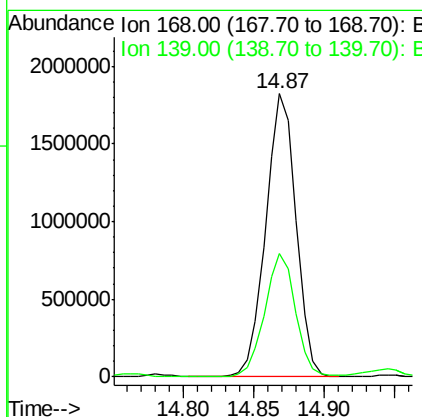
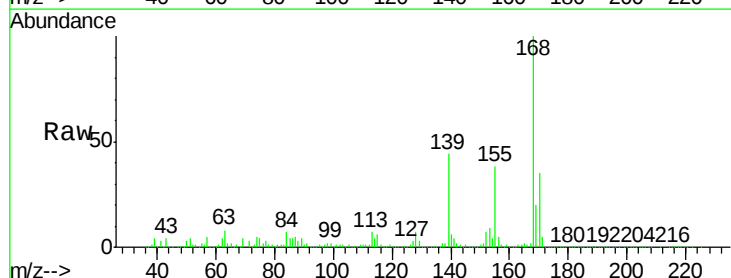
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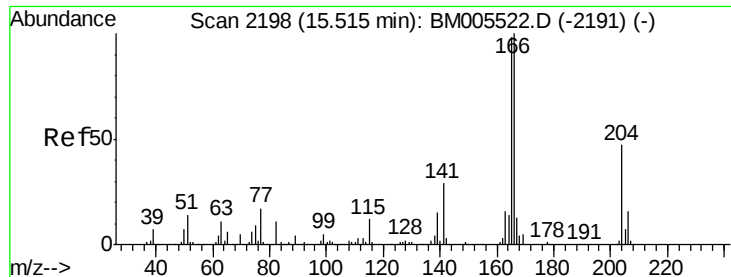
Delta R.T. -0.00 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Tgt Ion:	168	Resp:	2735925
Ion Ratio	Lower	Upper	
168	100		
139	43.5	30.3	45.5





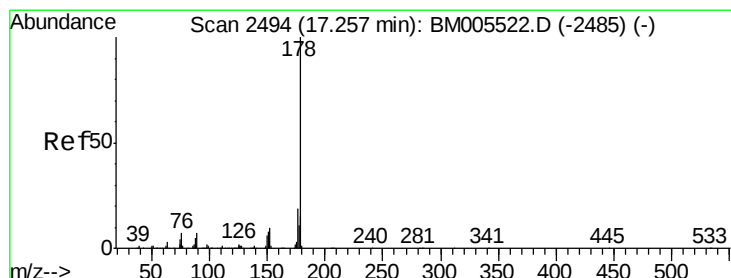
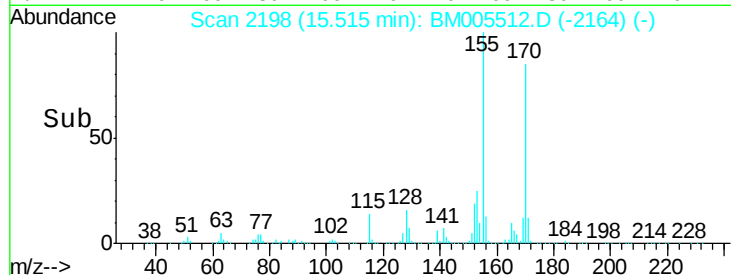
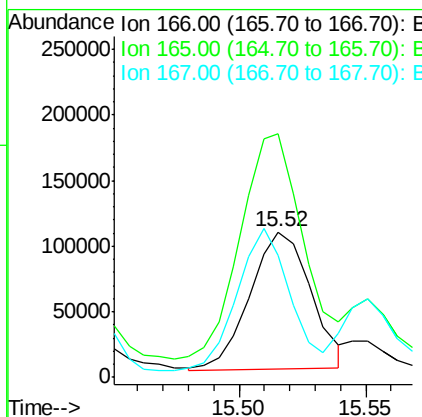
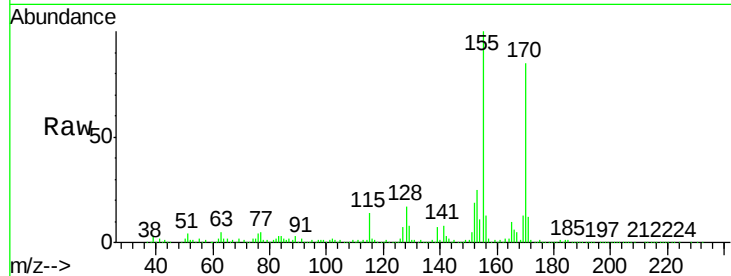
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Fluorene
 Concen: 2.70 ng/ul
 RT: 15.52 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BM005512.D
 Acq: 19 May 2016 23:43

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	175292		
165	167.2	77.9	116.9#	
167	84.0	10.6	16.0#	

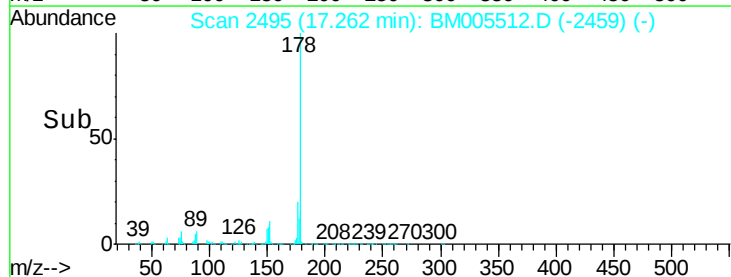
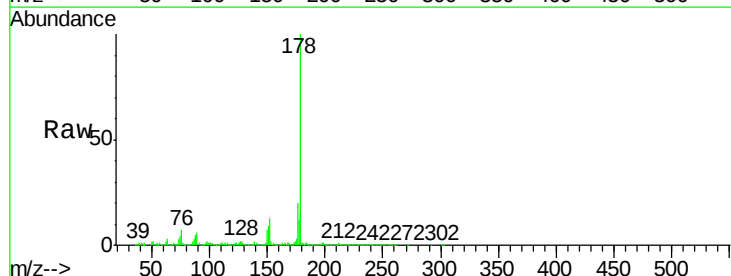
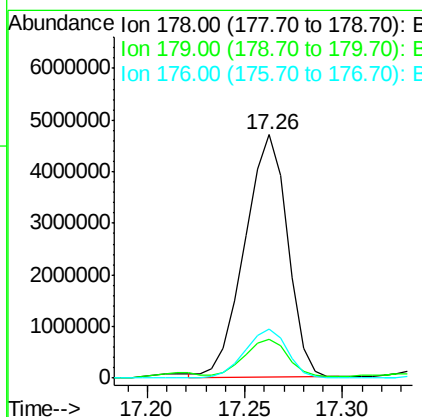
Manual Integrations
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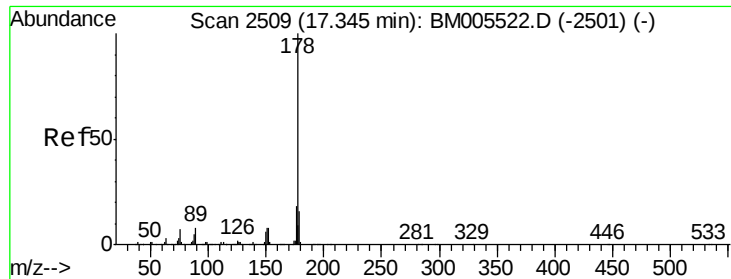
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#69
Phenanthrene
 Concen: 64.07 ng/ul
 RT: 17.26 min Scan# 2495
 Delta R.T. 0.01 min
 Lab File: BM005512.D
 Acq: 19 May 2016 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	7150655		
179	16.2	12.3	18.5	
176	20.1	15.2	22.8	





#71

Anthracene

Concen: 3.52 ng/ul m

RT: 17.34 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

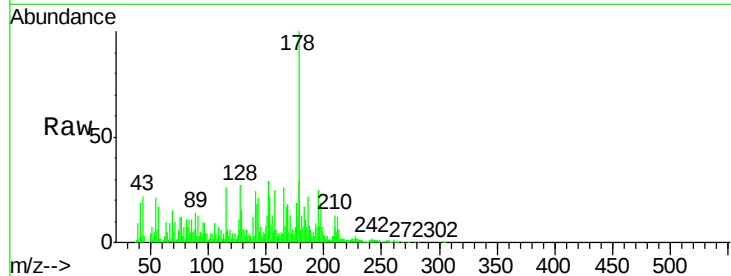
ClientSampleId :

D9WT5

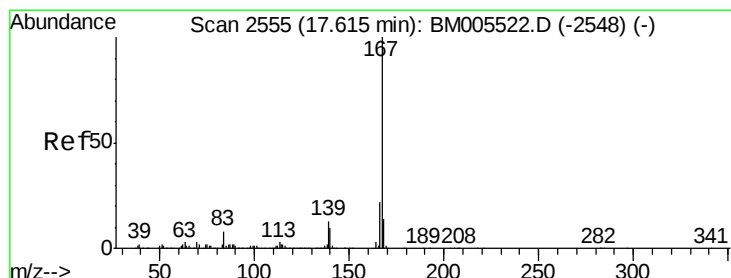
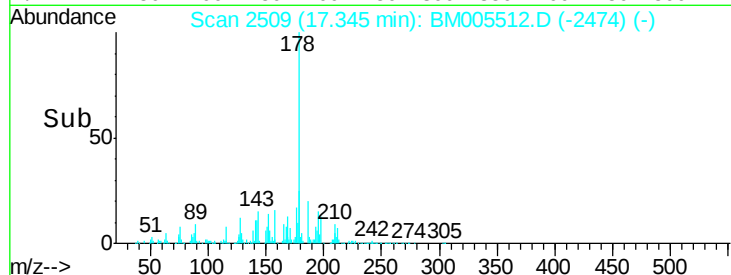
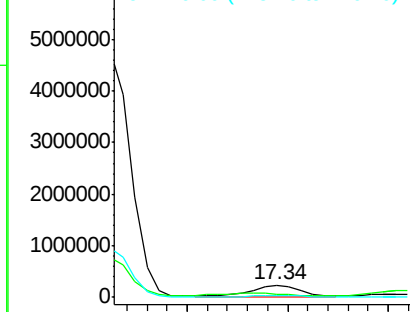
Tgt Ion:	178	Resp:	388909
Ion Ratio	Lower	Upper	
178	100		
179	28.7	12.4	18.6#
176	18.5	15.1	22.7

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



#72

Carbazole

Concen: 4.25 ng/ul

RT: 17.62 min Scan# 2555

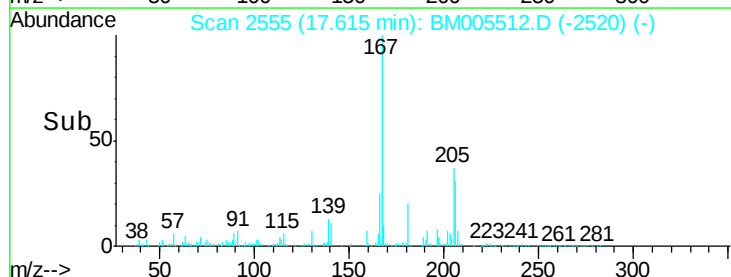
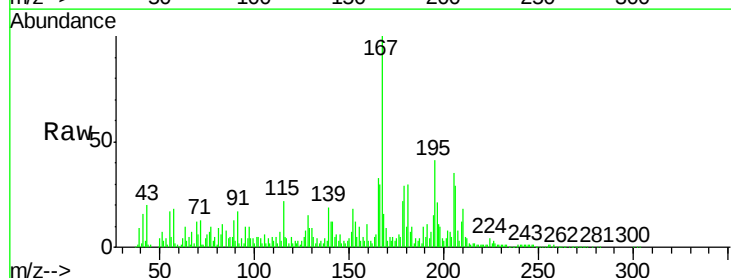
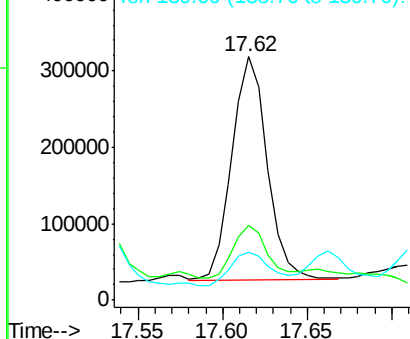
Delta R.T. 0.01 min

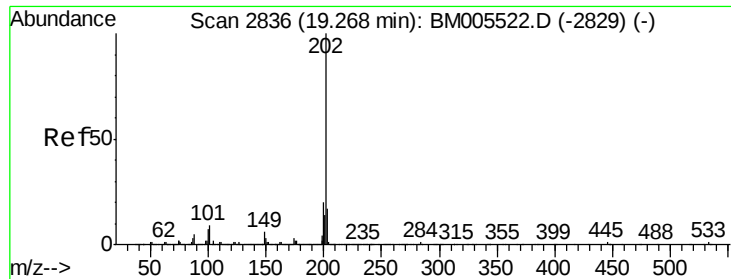
Lab File: BM005512.D

Acq: 19 May 2016 23:43

Tgt Ion:	167	Resp:	424956
Ion Ratio	Lower	Upper	
167	100		
166	30.5	17.1	25.7#
139	19.4	10.2	15.2#

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 15.32 ng/ul

RT: 19.27 min Scan# 2836

Delta R.T. 0.01 min

Lab File: BM005512.D

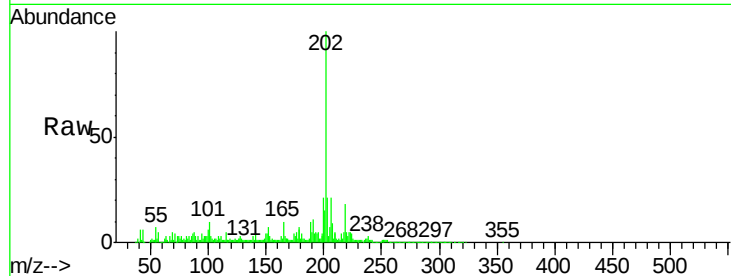
Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

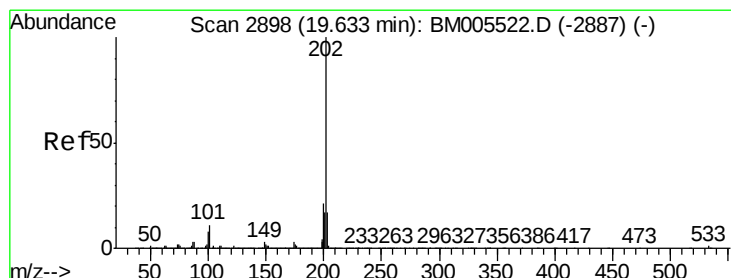
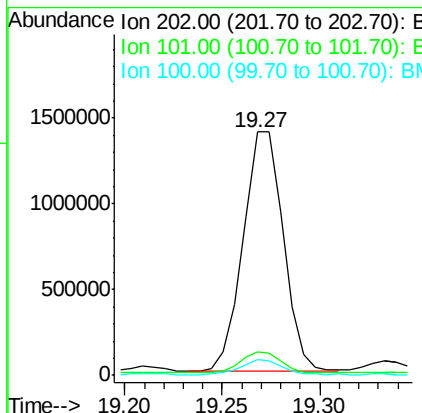
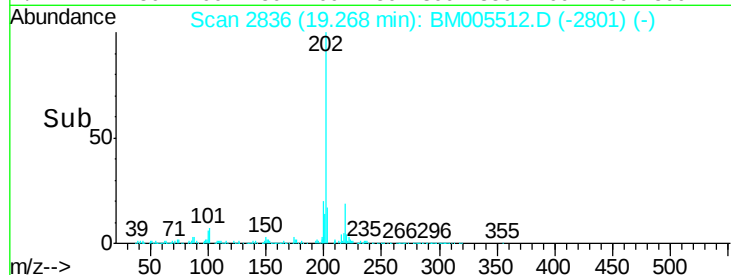
D9WT5



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1999527		
101	9.8		9.2	13.8
100	6.4		7.1	10.7#

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#77

Pyrene

Concen: 14.56 ng/ul

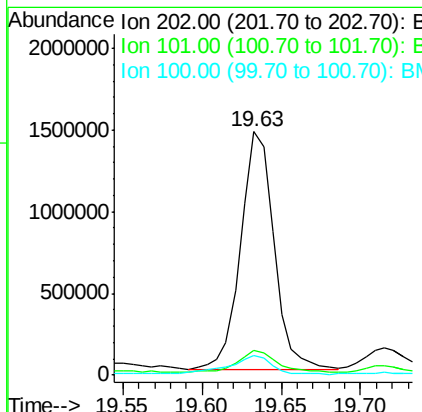
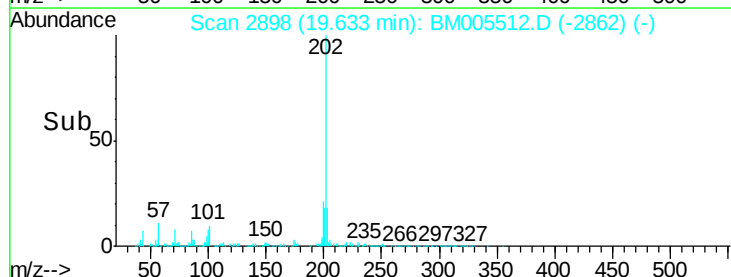
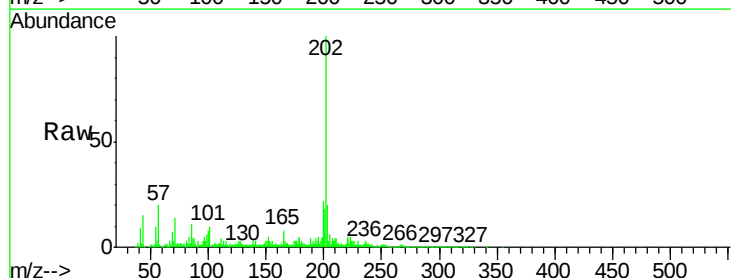
RT: 19.63 min Scan# 2898

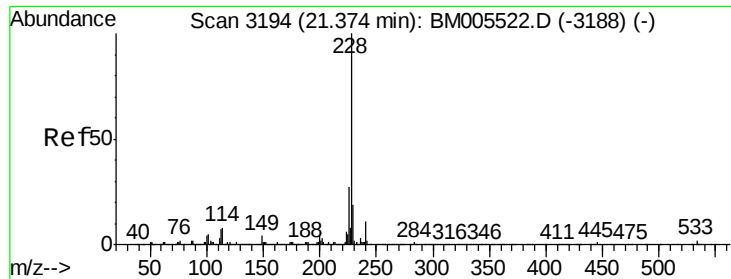
Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2122470		
101	10.4		10.8	16.2#
100	7.8		8.4	12.6#





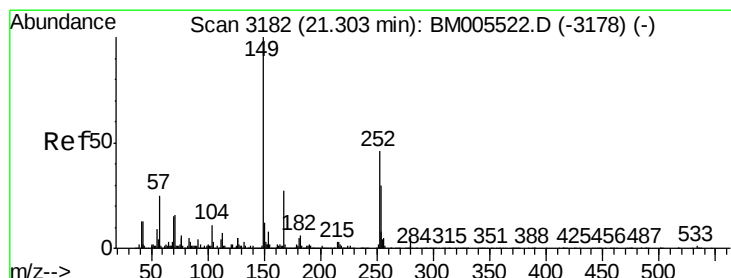
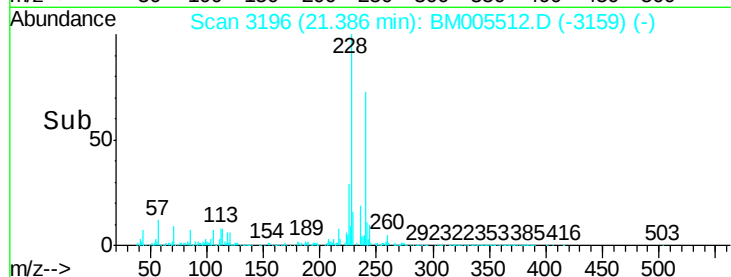
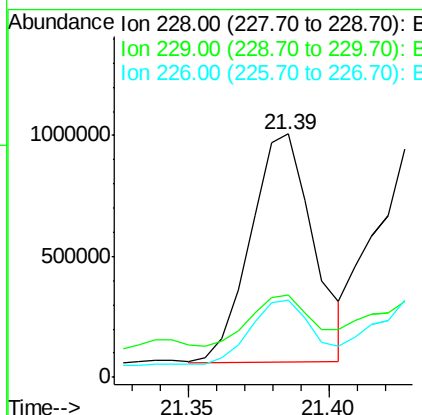
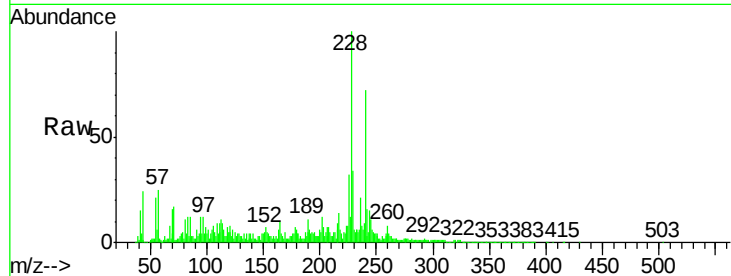
#80
Benzo(a)anthracene
Concen: 9.12 ng/ul
RT: 21.39 min Scan# 3196
Delta R.T. 0.02 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

Instrument :
BNA_M
ClientSampled :
D9WT5

Tgt Ion	Ratio	Lower	Upper
228	100		
229	33.7	15.5	23.3#
226	31.9	21.8	32.8

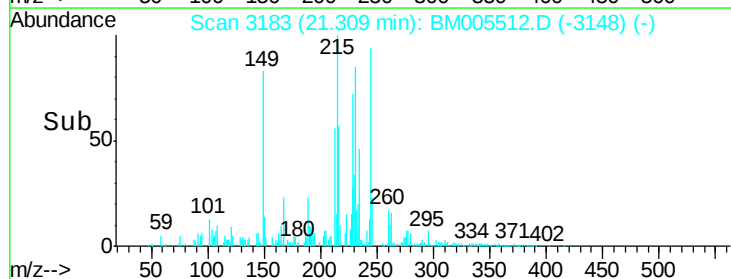
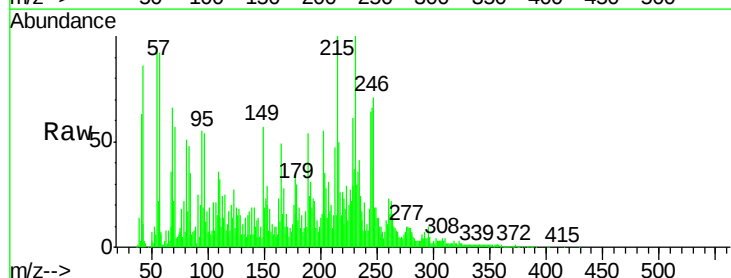
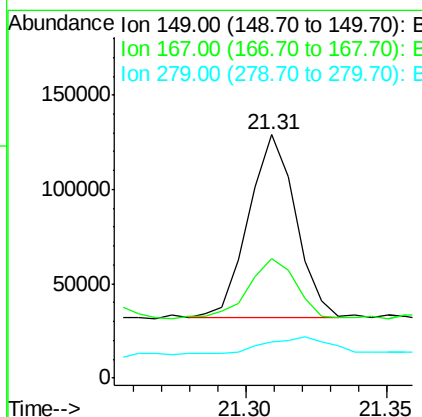
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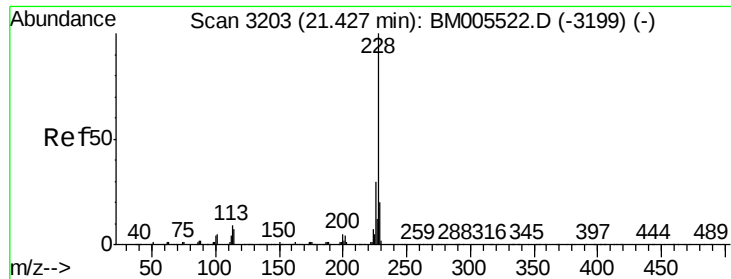
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#81
Bis(2-ethylhexyl)phthalate
Concen: 1.20 ng/ul
RT: 21.31 min Scan# 3183
Delta R.T. 0.01 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	48.8	21.9	32.9#
279	15.1	3.0	4.4#





#82

Chrysene

Concen: 13.47 ng/ul

RT: 21.43 min Scan# 3204

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

Tgt Ion:228 Resp: 2036083

Ion Ratio Lower Upper

228 100

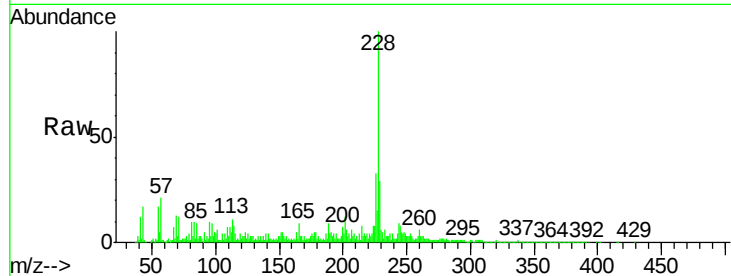
226 32.7 23.6 35.4

229 29.0 15.4 23.0#

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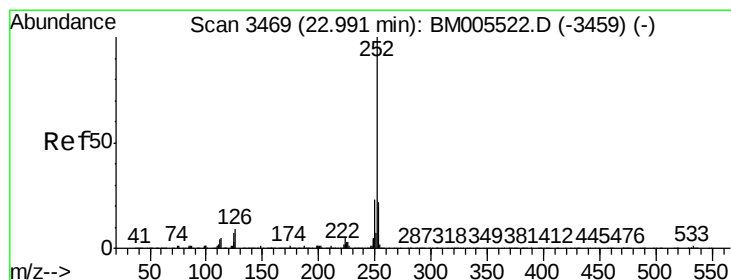
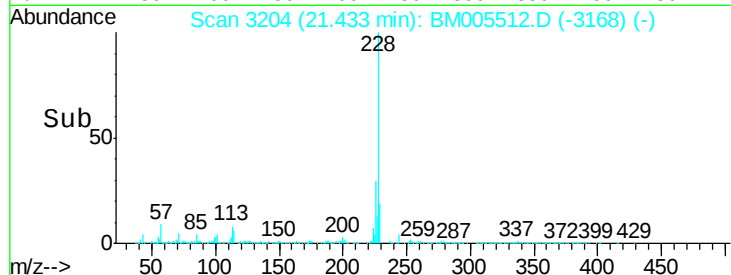
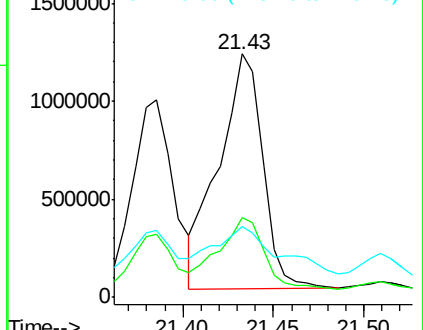
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 9.42 ng/ul m

RT: 23.01 min Scan# 3472

Delta R.T. 0.03 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

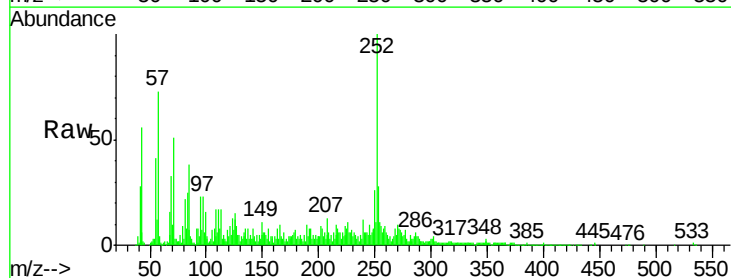
Tgt Ion:252 Resp: 1402874

Ion Ratio Lower Upper

252 100

253 27.7 17.4 26.2#

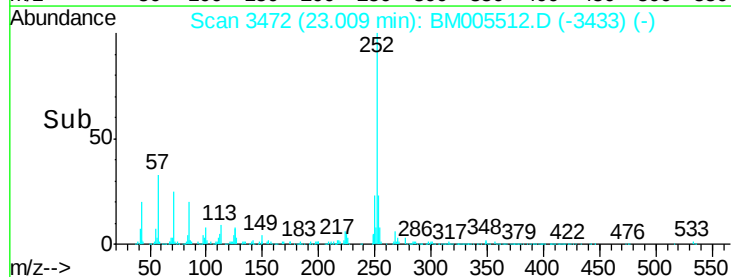
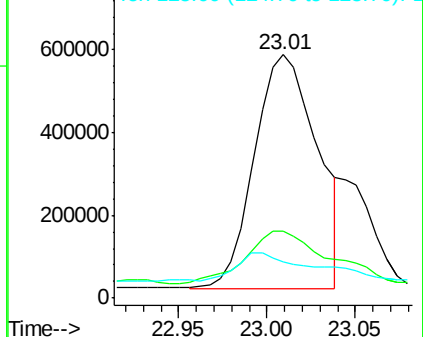
125 14.8 8.4 12.6#

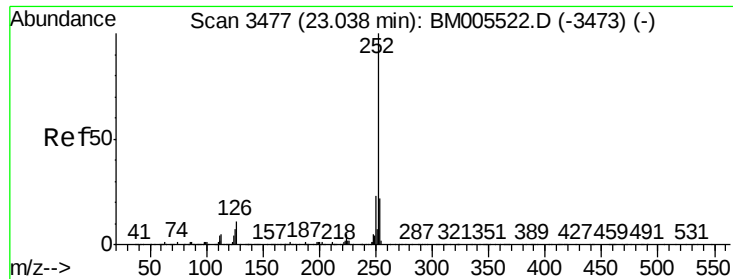


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





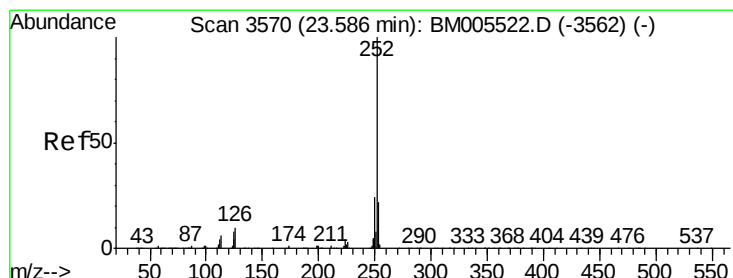
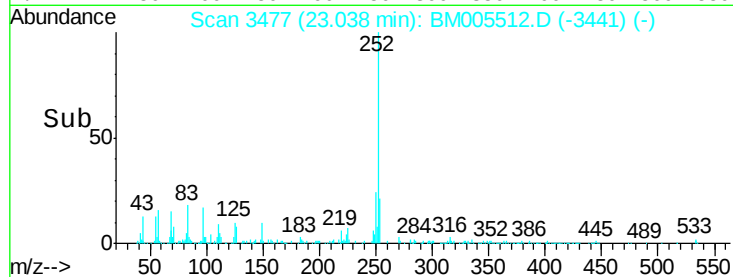
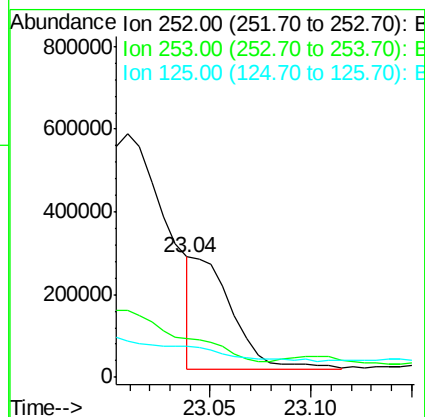
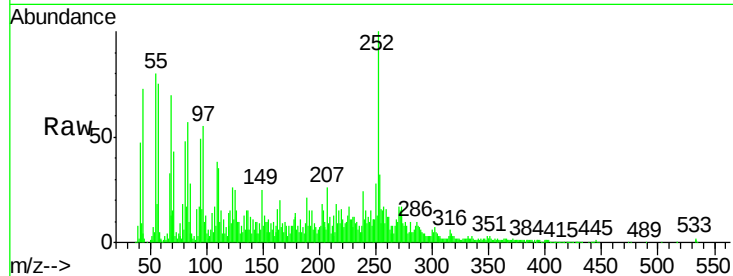
#86
Benzo(k)fluoranthene
Concen: 2.55 ng/ul m
RT: 23.04 min Scan# 3477
Delta R.T. 0.01 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

Instrument :
BNA_M
ClientSampleId :
D9WT5

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	368740		
253	31.7	17.3	25.9#	
125	25.3	8.0	12.0#	

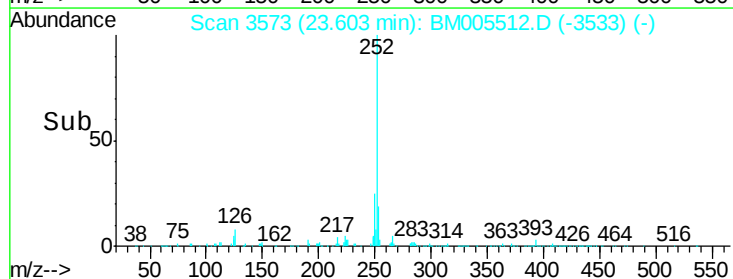
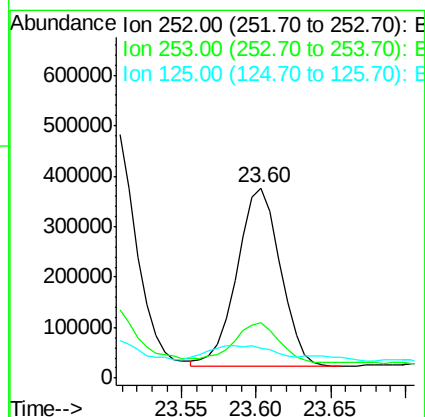
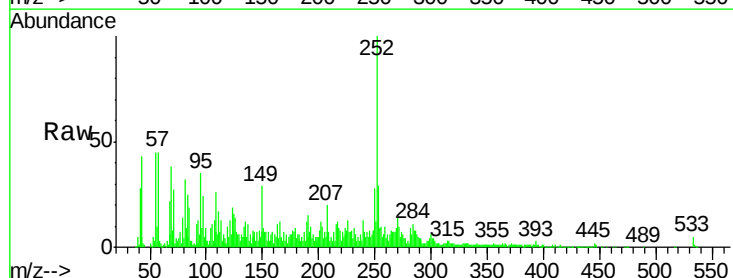
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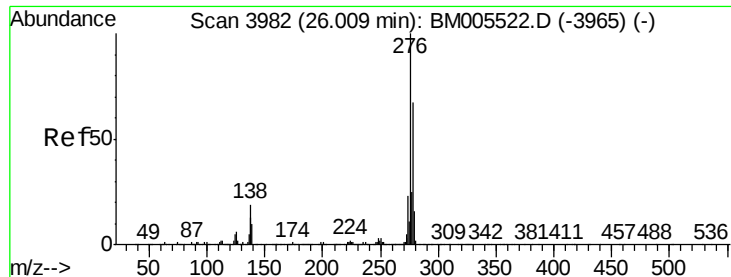
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#88
Benzo(a)pyrene
Concen: 4.80 ng/ul
RT: 23.60 min Scan# 3573
Delta R.T. 0.04 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	710451		
253	28.9	17.5	26.3#	
125	15.5	8.7	13.1#	





#89

Indeno(1,2,3-cd)pyrene

Concen: 2.18 ng/ul

RT: 26.03 min Scan# 3986

Delta R.T. 0.05 min

Lab File: BM005512.D

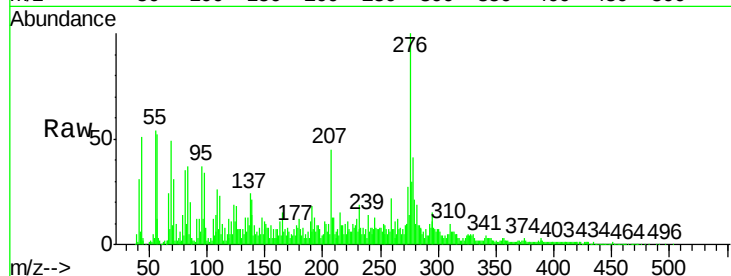
Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

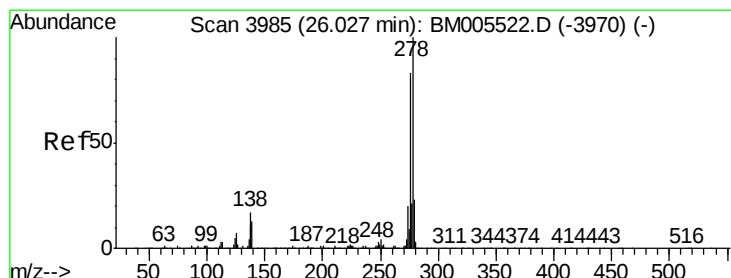
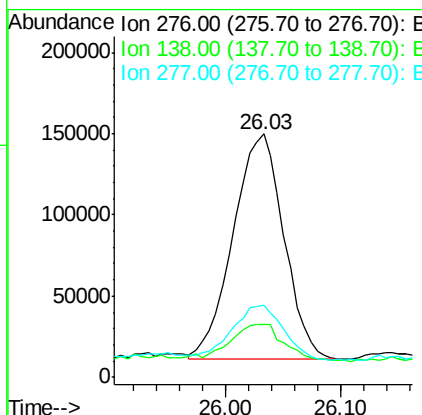
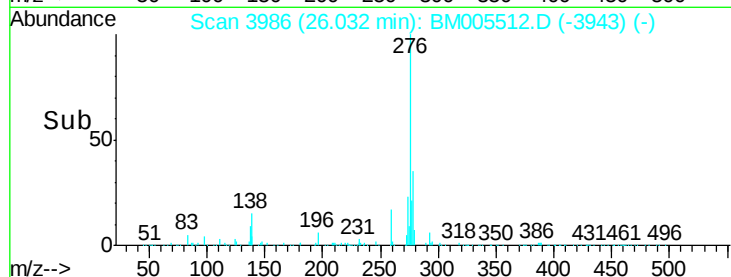
D9WT5



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	424220		
138	21.5	21.0	31.6	
277	29.6	19.9	29.9	

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#90

Dibenzo(a,h)anthracene

Concen: 1.14 ng/ul

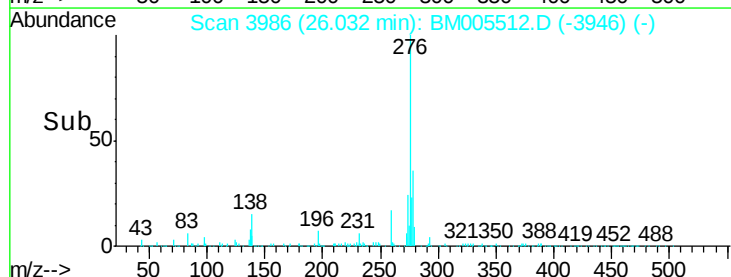
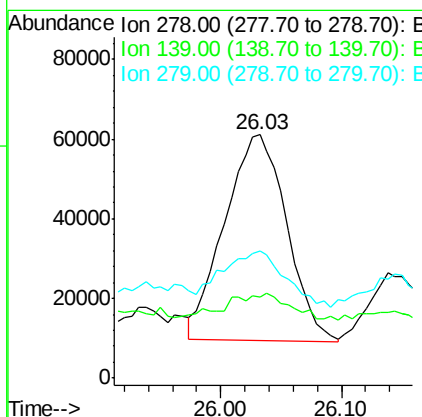
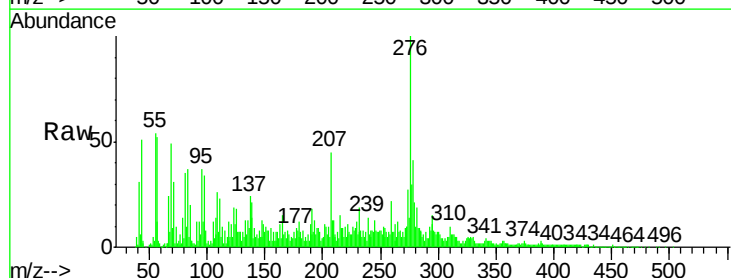
RT: 26.03 min Scan# 3986

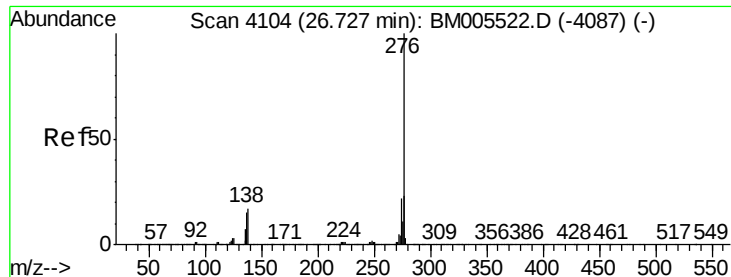
Delta R.T. 0.04 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	184679		
139	33.4	13.8	20.6#	
279	52.1	18.9	28.3#	





#91

Benzo(g,h,i)perylene

Concen: 3.42 ng/ul

RT: 26.74 min Scan# 4107

Delta R.T. 0.05 min

Lab File: BM005512.D

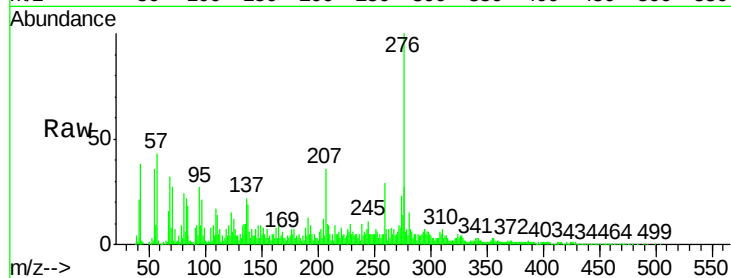
Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		576711		
138	19.5	18.2	27.4		
277	27.1	19.4	29.2		

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