

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002792.D
 Acq On : 30 Sep 2015 21:23
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Manual Integrations
 APPROVED

MMDadoda
 10/1/2015 4:43:03 PM

Quant Time: Oct 01 08:01:56 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 01 07:01:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	89086	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	362889	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	161839	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	281001	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	271097	20.00	ng/ul	0.00
86) Perylene-d12	24.71	264	297918m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	4806	2.51	ng/uL	0.00
5) Phenol-d5	7.82	99	103818	15.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	58725	15.47	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	96406	15.34	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	76677	13.78	ng/ul	0.00
19) Nitrobenzene-d5	9.90	128	44219	15.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	46037	15.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	76384	14.97	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	27876	4.54	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	209316	17.19	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	266381	16.39	ng/ul	0.00
52) 4-Nitrophenol-d4	15.48	143	27936	12.92	ng/ul	0.00
58) Fluorene-d10	16.27	176	168891	15.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	7662	5.59	ng/ul	0.00
71) Anthracene-d10	18.11	188	226736	16.91	ng/ul	0.00
79) Pyrene-d10	20.34	212	215744	17.05	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.54	264	256776m	16.85	ng/ul	0.02

Target Compounds

					Ovalue
28) Naphthalene	11.61	128	41947	2.26 ng/ul	98
34) 2-Methylnaphthalene	13.17	142	24986	1.94 ng/ul	99
35) 1-Methylnaphthalene	13.39	142	17812m	1.42 ng/ul	
45) Dimethylphthalate	14.72	163	139139	11.24 ng/ul	99
48) Acenaphthylene	15.03	152	333508	19.46 ng/ul	100
50) Acenaphthene	15.36	153	14160	1.25 ng/ul	93
54) Dibenzofuran	15.69	168	15592	1.02 ng/ul	99
59) Fluorene	16.33	166	18609	1.48 ng/ul#	94
70) Phenanthrene	18.05	178	211322	13.00 ng/ul	99
72) Anthracene	18.14	178	443040	26.78 ng/ul	100
75) Carbazole	18.40	167	72743	5.04 ng/ul	98
77) Fluoranthene	20.02	202	1219307	72.65 ng/ul	99
80) Pyrene	20.37	202	1246183	72.37 ng/ul	100
81) Butylbenzylphthalate	21.18	149	11039	1.42 ng/ul#	84
83) Benzo(a)anthracene	22.09	228	1071361	66.48 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.92	149	73406	6.30 ng/ul	99
85) Chrysene	22.14	228	1025652	67.47 ng/ul	95
88) Benzo(b)fluoranthene	23.91	252	1976749m	110.45 ng/ul	
89) Benzo(k)fluoranthene	23.96	252	658977m	38.89 ng/ul	
91) Benzo(a)pyrene	24.60	252	1108802m	64.50 ng/ul	
92) Indeno(1,2,3-cd)pyrene	27.46	276	901693m	44.96 ng/ul	
93) Dibenzo(a,h)anthracene	27.45	278	285309m	16.84 ng/ul	
94) Benzo(g,h,i)perylene	28.32	276	892831m	52.87 ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

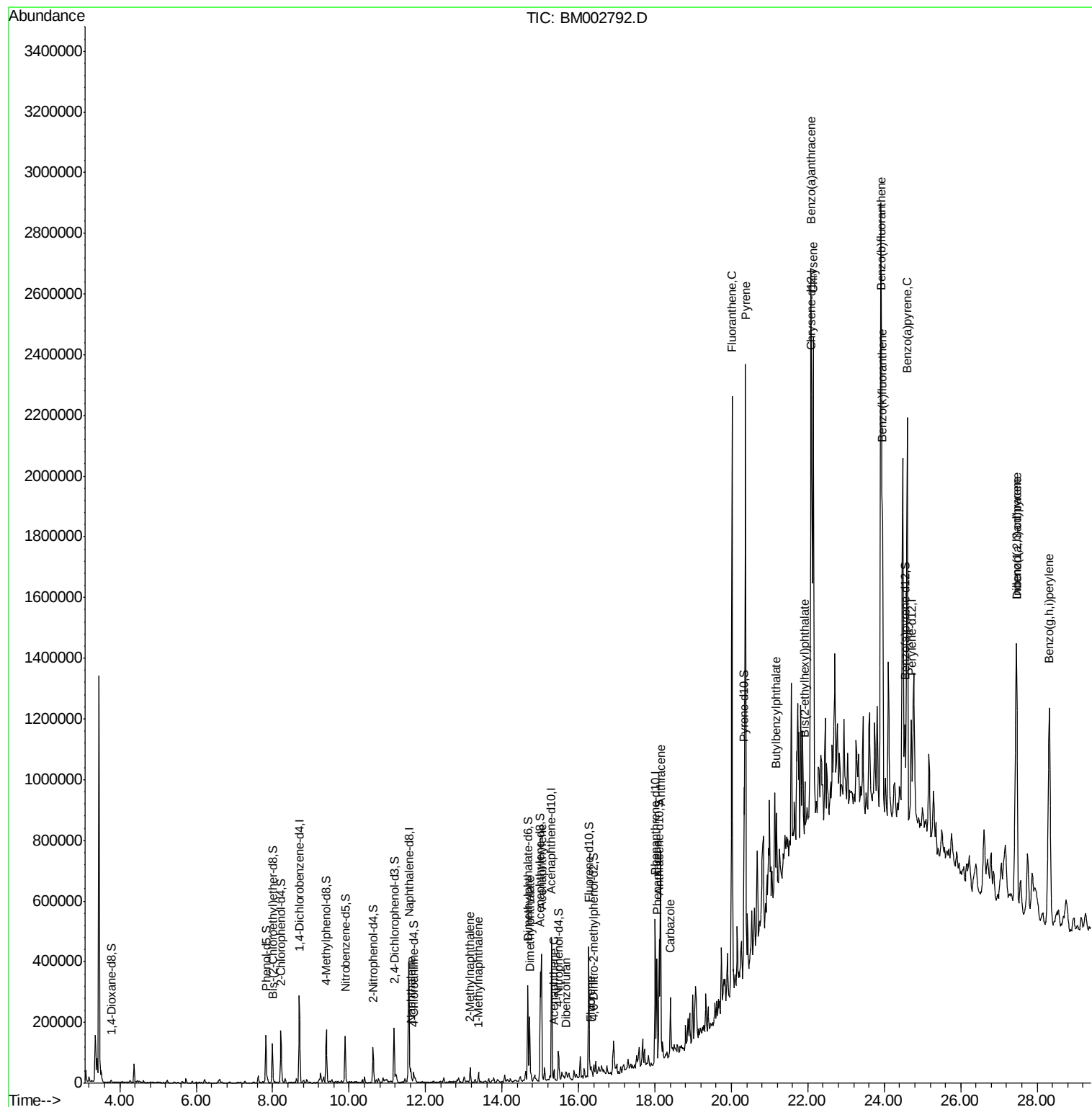
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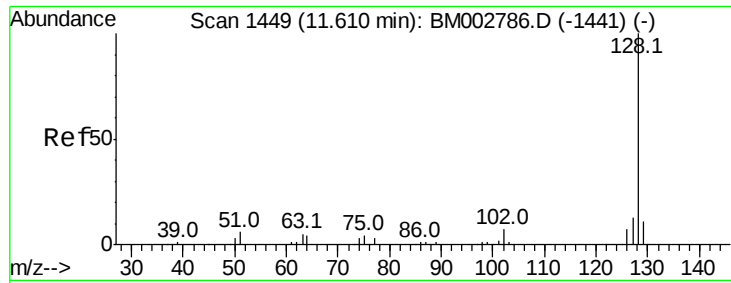
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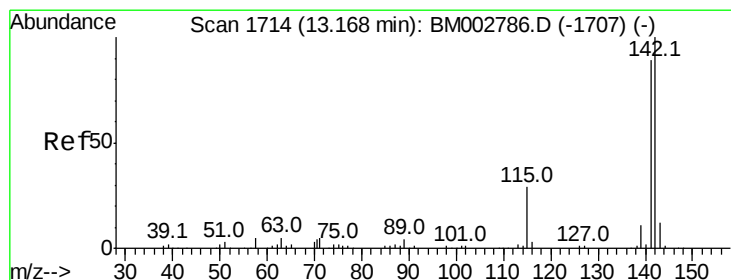
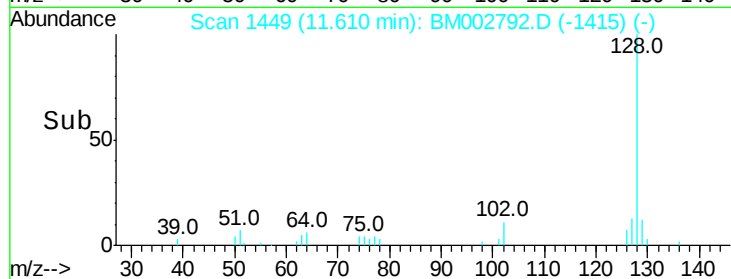
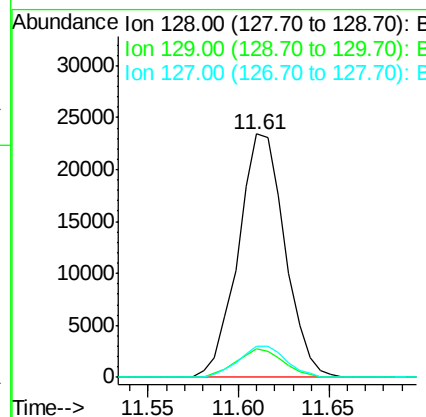
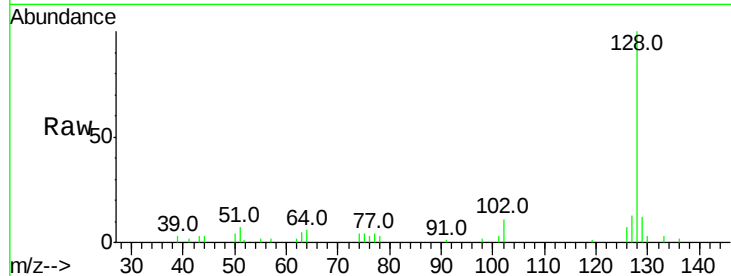
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Naphthalene
Concen: 2.26 ng/ul
RT: 11.61 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Instrument :
BNA_M
ClientSampleId :
D9G67

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.7	13.1
127	13.0	9.9	14.9

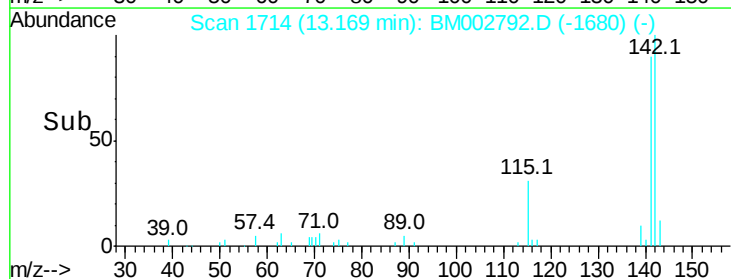
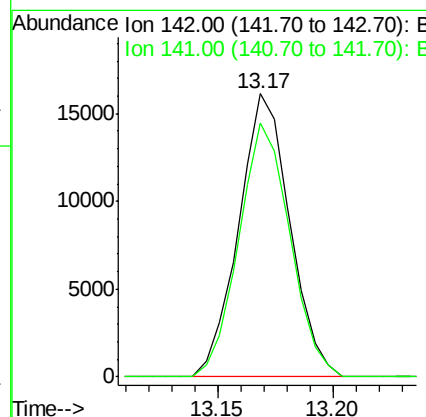
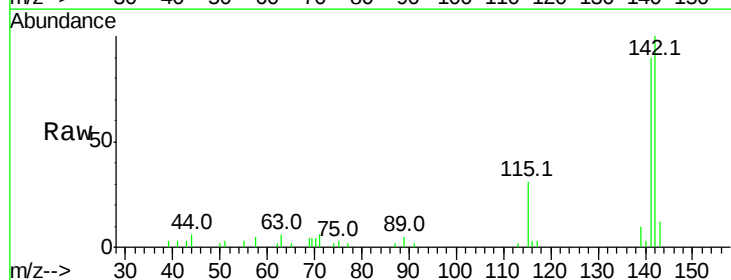
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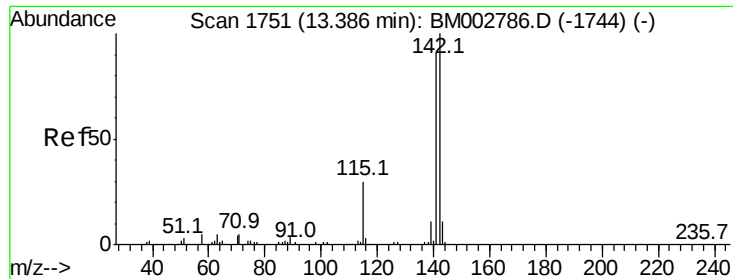
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#34
2-Methylnaphthalene
Concen: 1.94 ng/ul
RT: 13.17 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.2	106.8





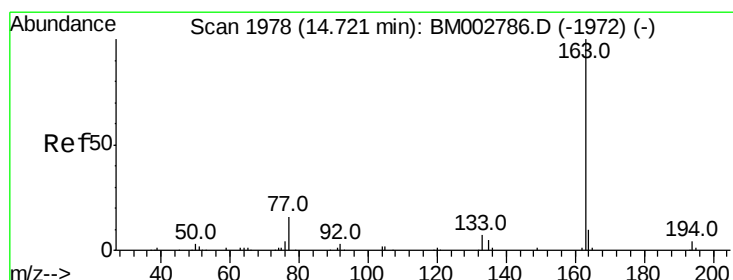
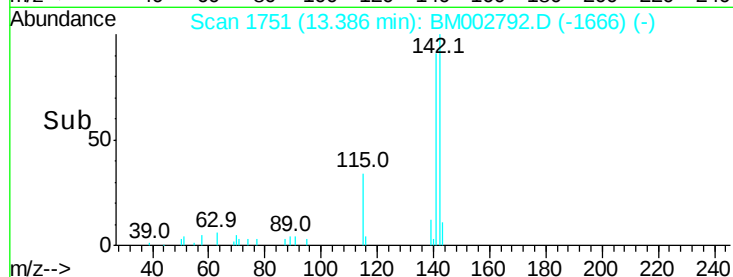
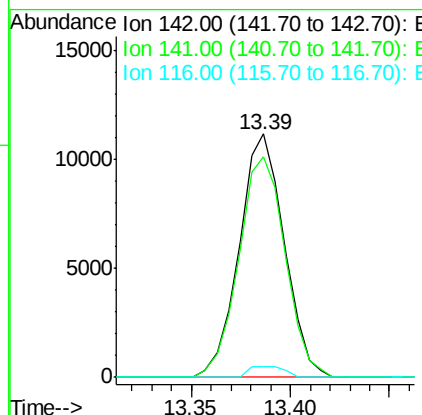
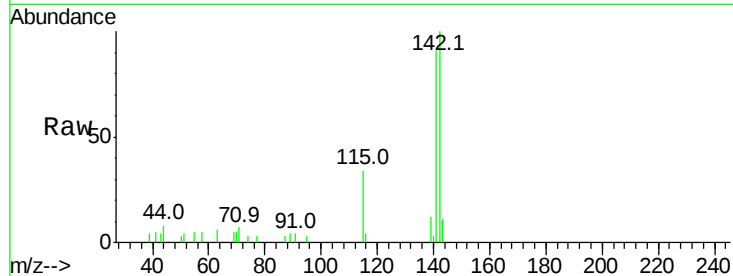
#35
1-Methylnaphthalene
Concen: 1.42 ng/ul m
RT: 13.39 min Scan# 1751
Delta R.T. 0.00 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Instrument :
BNA_M
ClientSampleId :
D9G67

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.4	111.6
116	4.1	2.6	4.0#

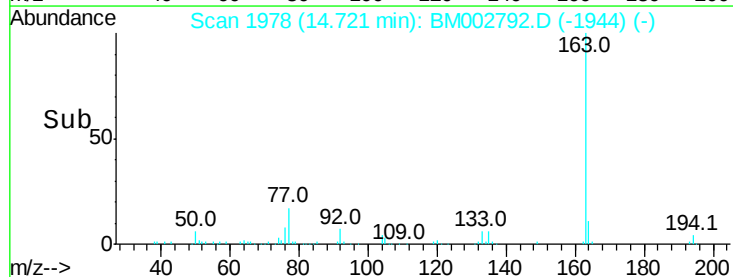
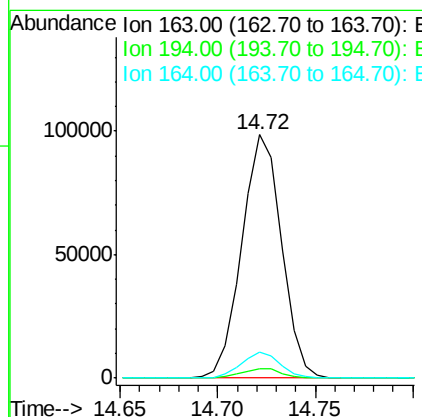
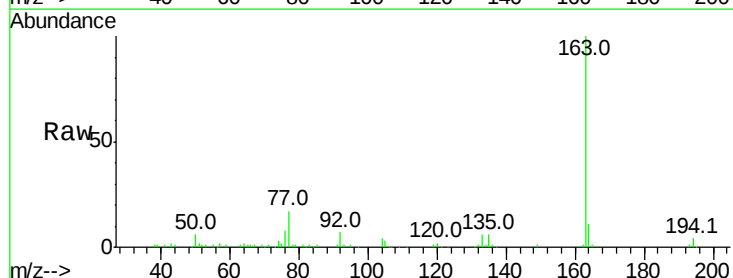
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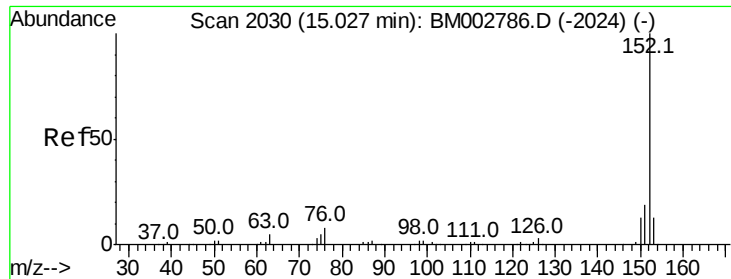
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#45
Dimethylphthalate
Concen: 11.24 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.6	8.1	12.1





#48

Acenaphthylene

Concen: 19.46 ng/ul

RT: 15.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BM002792.D

Acq: 30 Sep 2015 21:23

Instrument :

BNA_M

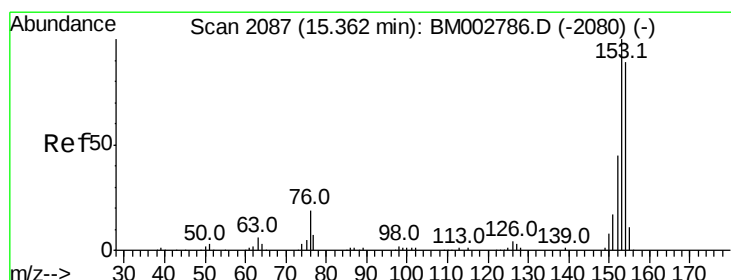
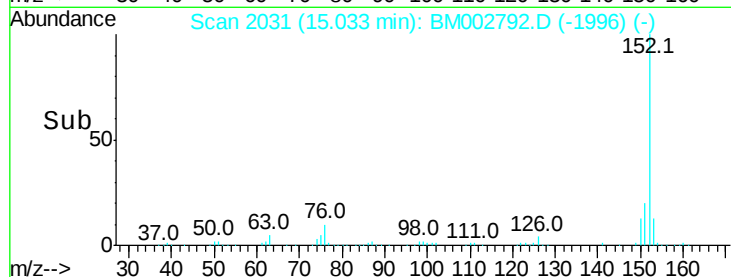
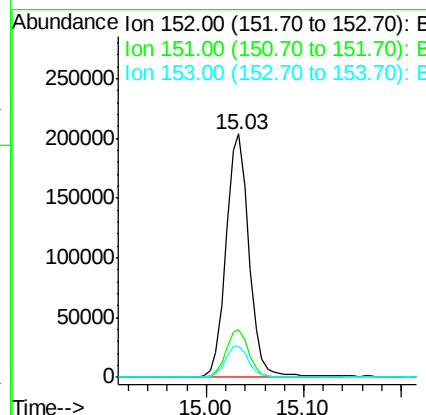
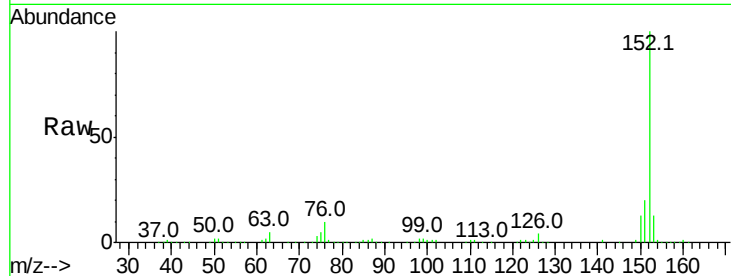
ClientSampleId :

D9G67

Tot Ion	Ratio	Resp	Lower	Upper
152	100	333508		
151	19.8		15.6	23.4
153	13.0		10.4	15.6

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#50

Acenaphthene

Concen: 1.25 ng/ul

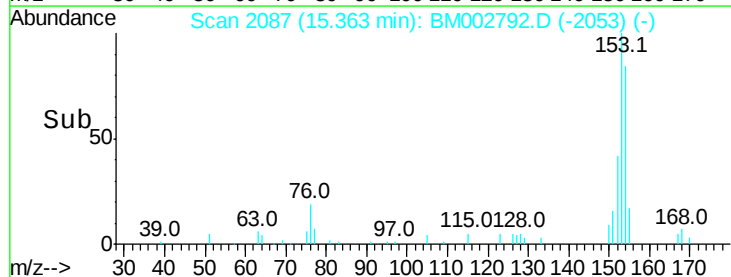
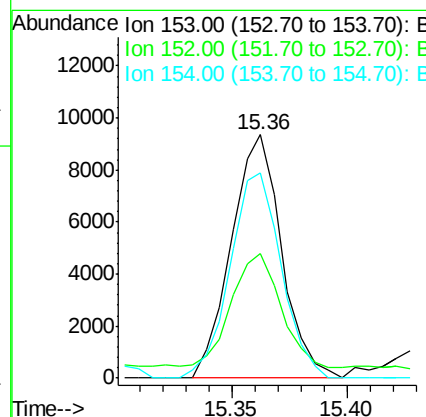
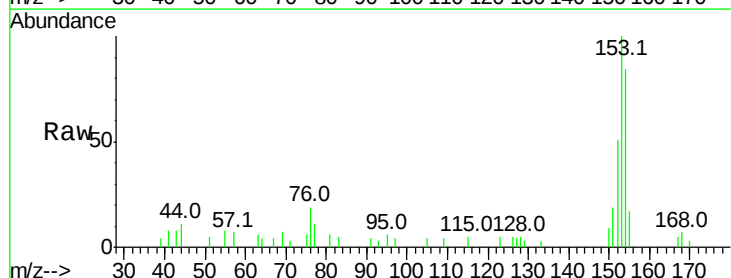
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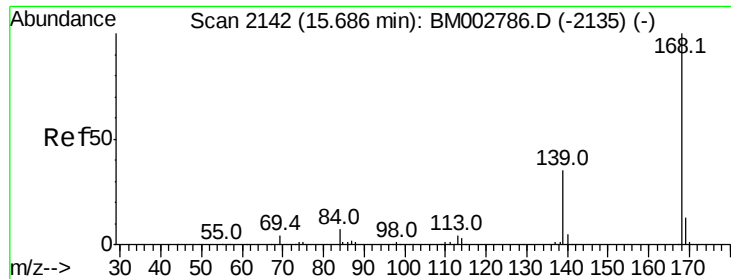
Delta R.T. 0.00 min

Lab File: BM002792.D

Acq: 30 Sep 2015 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	14160		
152	51.4		37.2	55.8
154	84.2		71.9	107.9





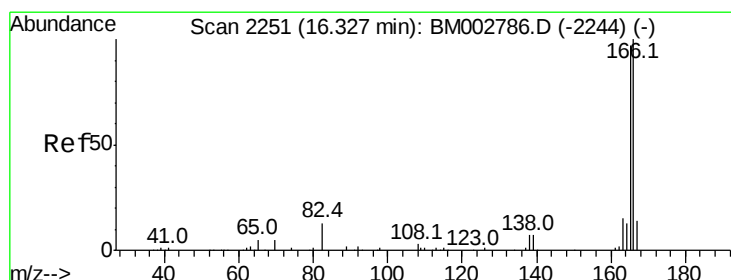
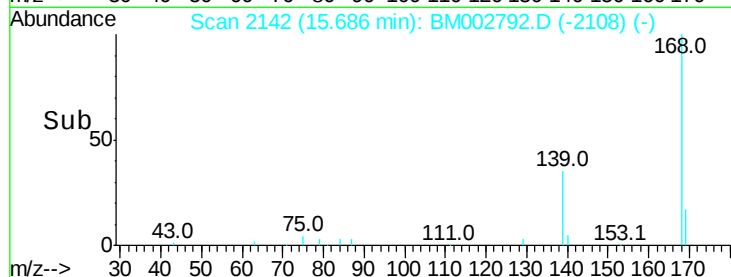
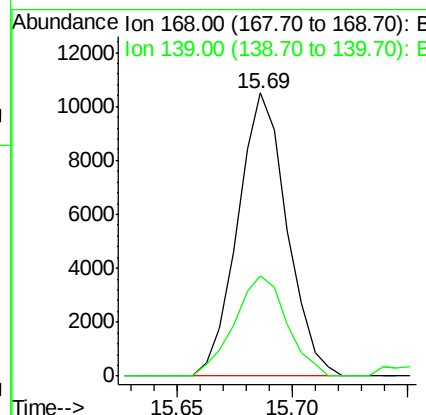
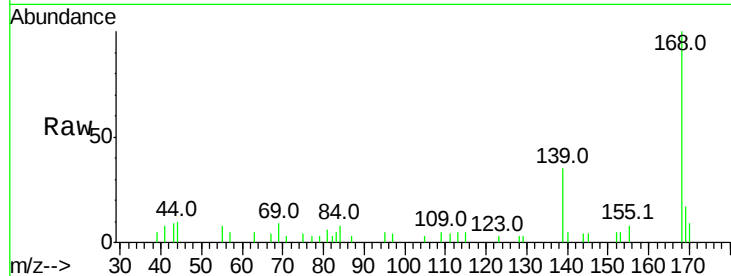
#54
Dibenzenofuran
Concen: 1.02 ng/ul
RT: 15.69 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Instrument :
BNA_M
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D9G67

Tot Ion	Ratio	Resp	Lower	Upper
168	100	15592		
139	35.5	28.7	43.1	

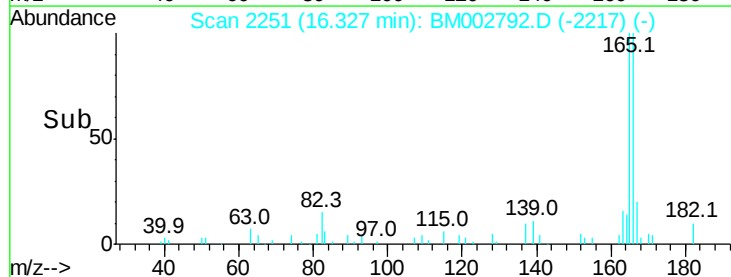
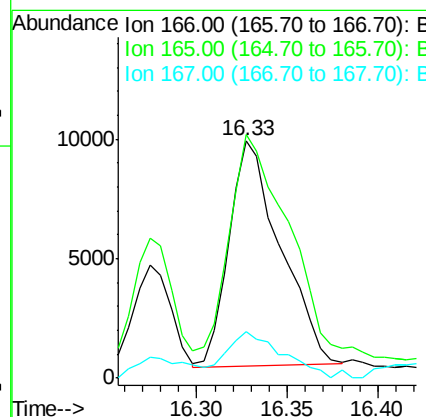
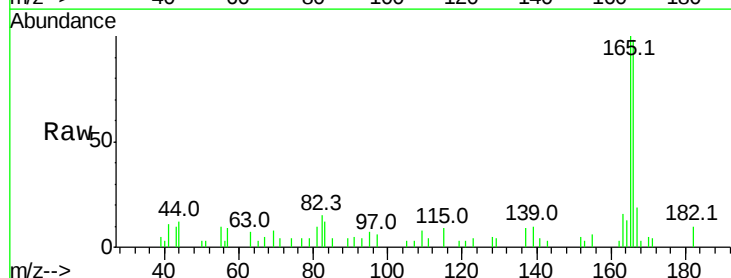
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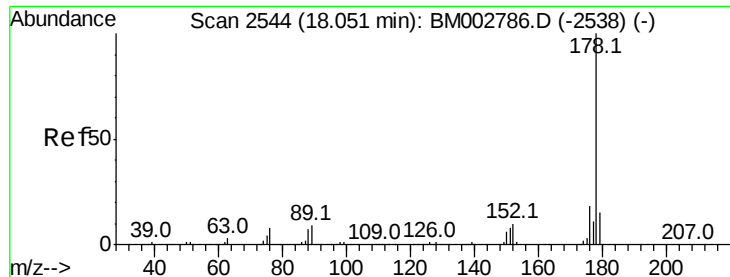
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#59
Fluorene
Concen: 1.48 ng/ul
RT: 16.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	18609		
165	102.4	78.0	117.0	
167	19.6	10.6	16.0#	





#70

Phenanthrene

Concen: 13.00 ng/ul

RT: 18.05 min Scan# 2544

Delta R.T. 0.00 min

Lab File: BM002792.D

Acq: 30 Sep 2015 21:23

Instrument :

BNA_M

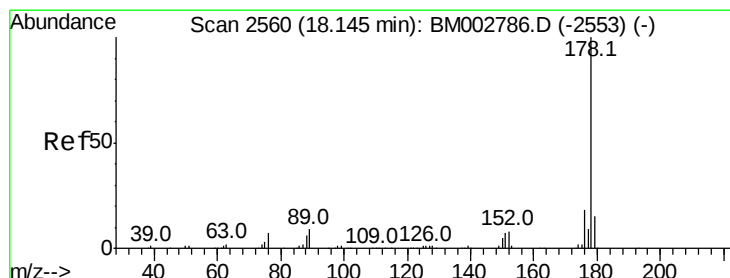
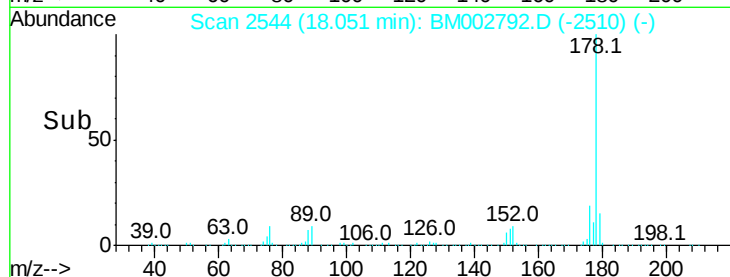
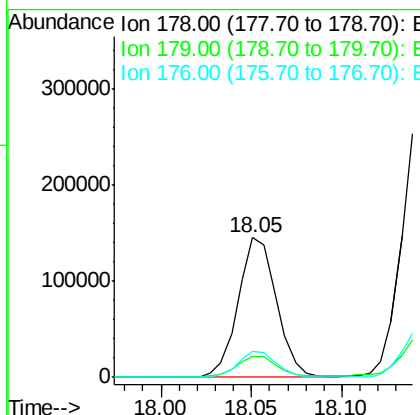
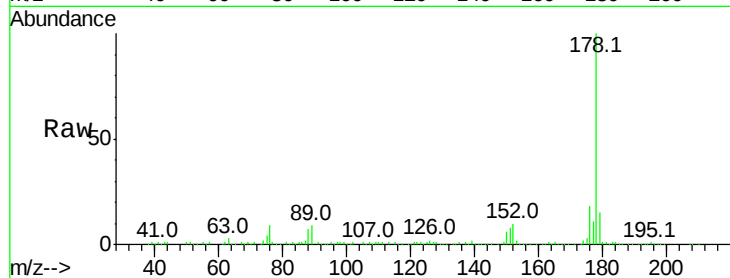
ClientSampleId :

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Tot Ion:	178	Resp:	211322
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.0	18.0
176	18.5	14.6	22.0

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#72

Anthracene

Concen: 26.78 ng/ul

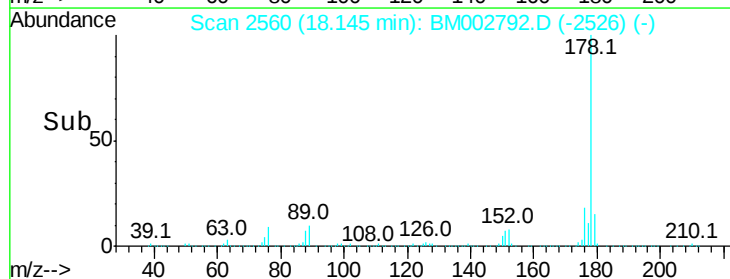
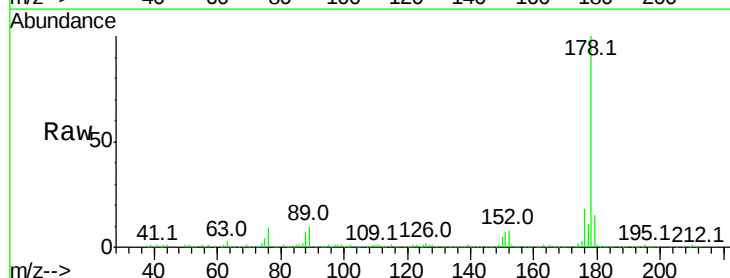
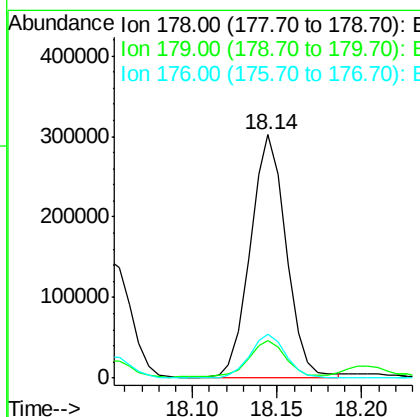
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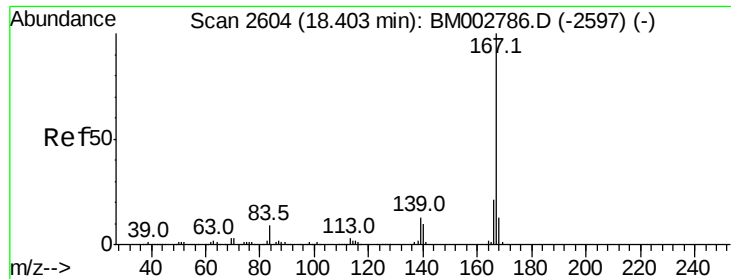
Delta R.T. 0.00 min

Lab File: BM002792.D

Acq: 30 Sep 2015 21:23

Tgt Ion:	178	Resp:	443040
Ion Ratio	Lower	Upper	
178	100		
179	15.2	11.9	17.9
176	18.1	14.4	21.6





#75

Carbazole

Concen: 5.04 ng/ul

RT: 18.40 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BM002792.D

Acq: 30 Sep 2015 21:23

Instrument :

BNA_M

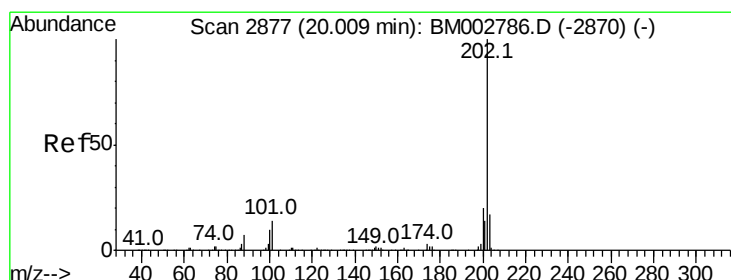
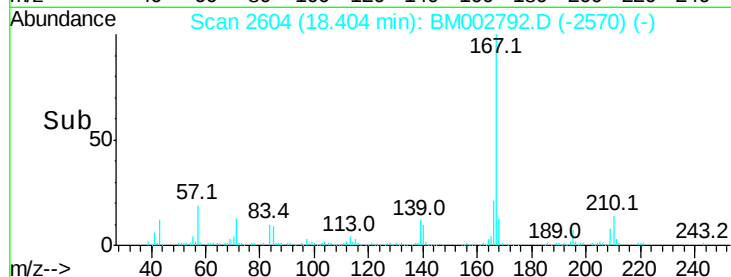
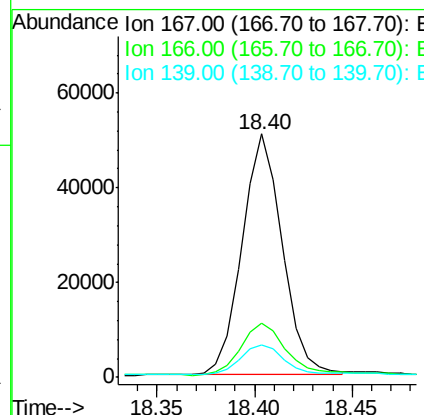
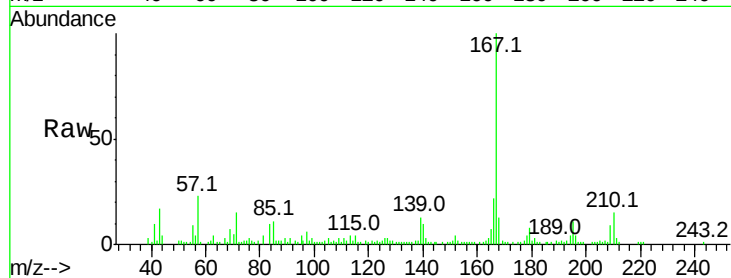
ClientSampleId :

D9G67

Tot Ion:	167	Resp:	72743
Ion Ratio	Lower	Upper	
167	100		
166	22.2	16.8	25.2
139	13.1	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 72.65 ng/ul

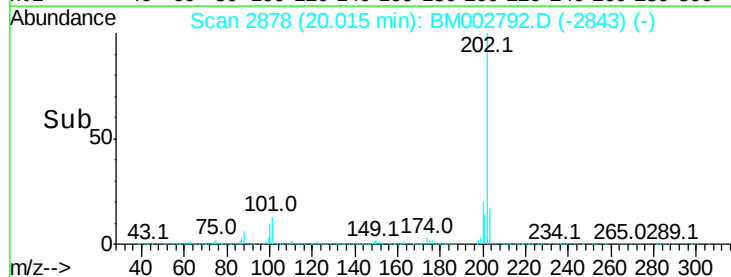
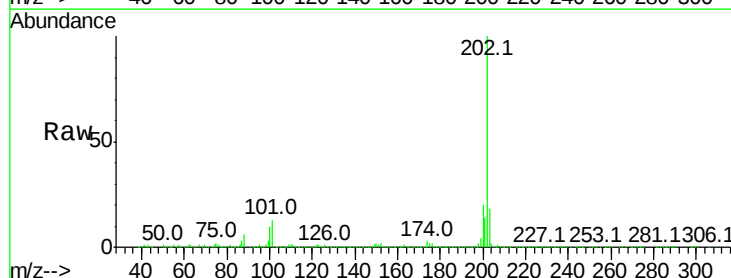
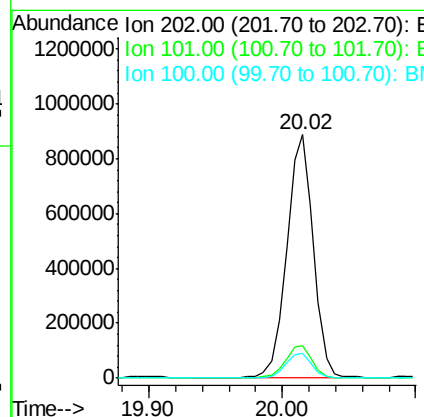
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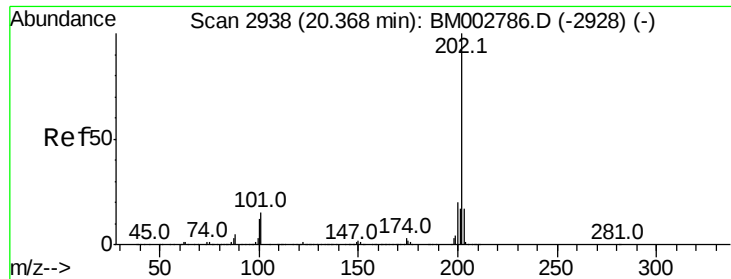
Delta R.T. 0.01 min

Lab File: BM002792.D

Acq: 30 Sep 2015 21:23

Tgt Ion:	202	Resp:	1219307
Ion Ratio	Lower	Upper	
202	100		
101	13.2	11.0	16.4
100	10.1	8.3	12.5





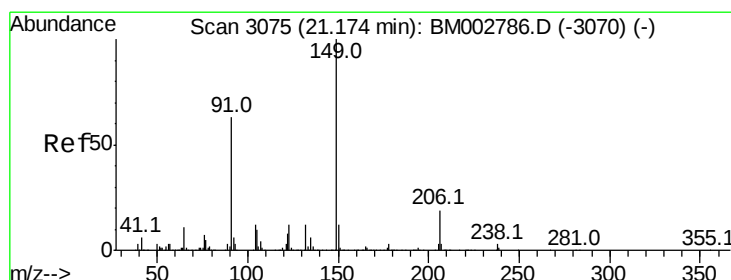
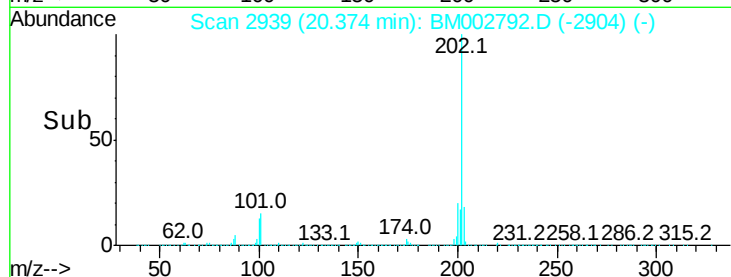
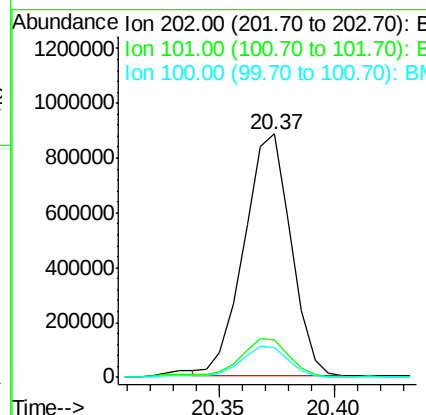
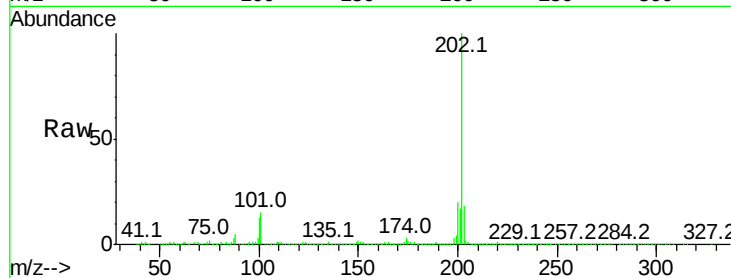
#80
Pvrene
Concen: 72.37 ng/ul
RT: 20.37 min Scan# 2939
Delta R.T. 0.01 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Instrument :
BNA_M
ClientSampleId :
D9G67

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.2	12.1	18.1
100	12.5	10.2	15.4

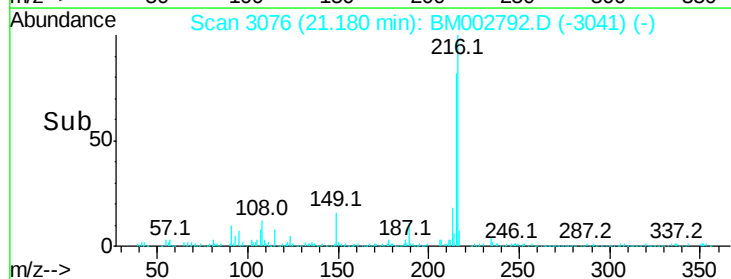
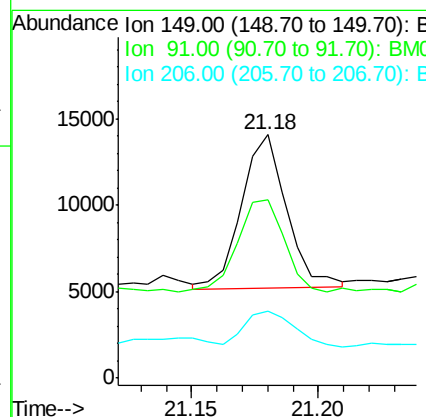
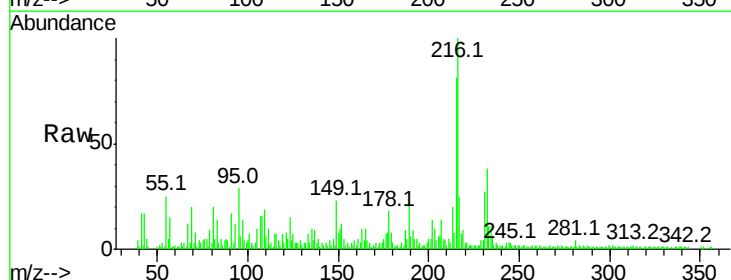
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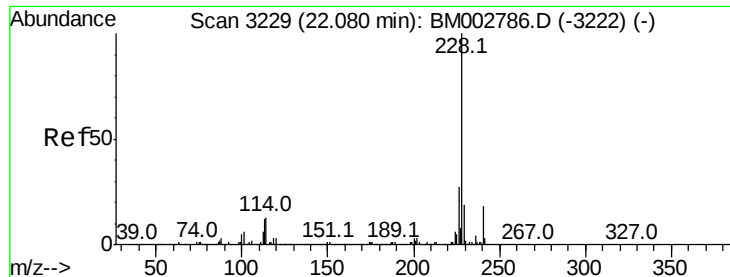
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#81
Butylbenzylphthalate
Concen: 1.42 ng/ul
RT: 21.18 min Scan# 3076
Delta R.T. 0.01 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.2	49.0	73.6
206	27.5	16.0	24.0





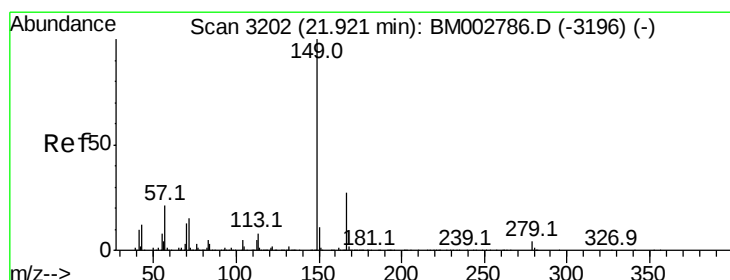
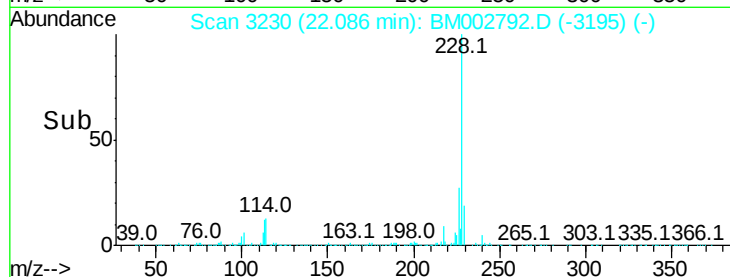
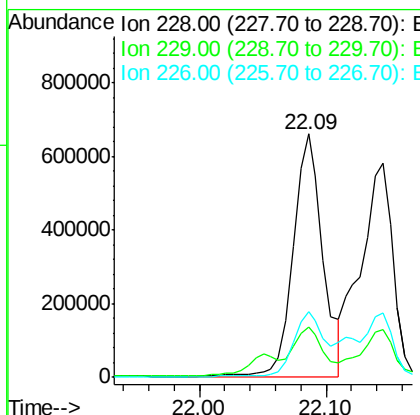
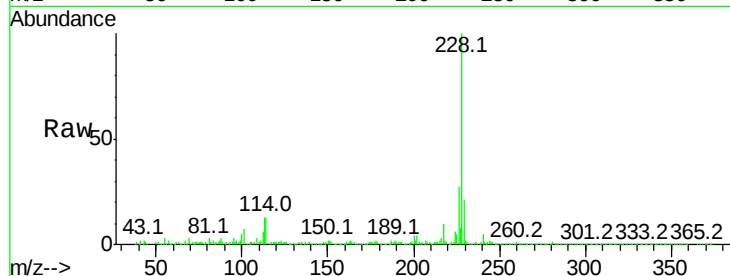
#83
Benzo(a)anthracene
Concen: 66.48 ng/ul
RT: 22.09 min Scan# 3230
Delta R.T. 0.01 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Instrument :
BNA_M
ClientSampleId :
D9G67

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.1	24.1
226	27.1	20.9	31.3

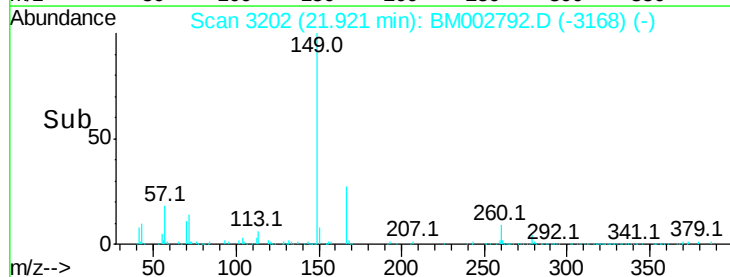
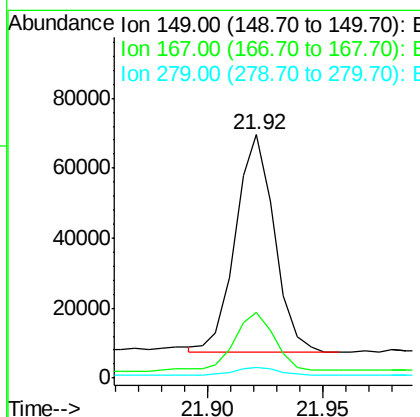
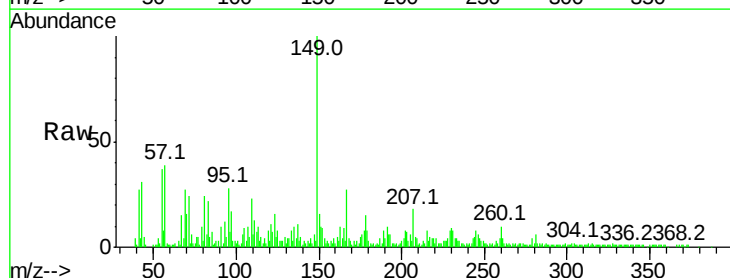
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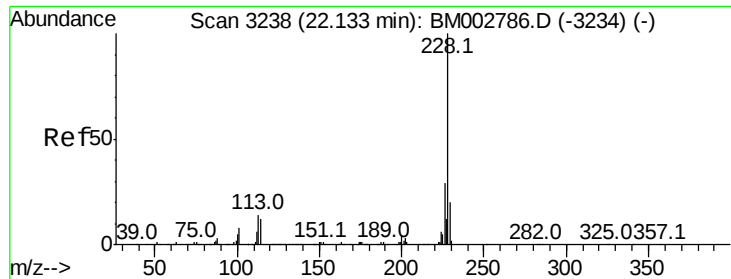
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#84
Bis(2-ethylhexyl)phthalate
Concen: 6.30 ng/ul
RT: 21.92 min Scan# 3202
Delta R.T. 0.00 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.7	32.5
279	4.4	3.0	4.6





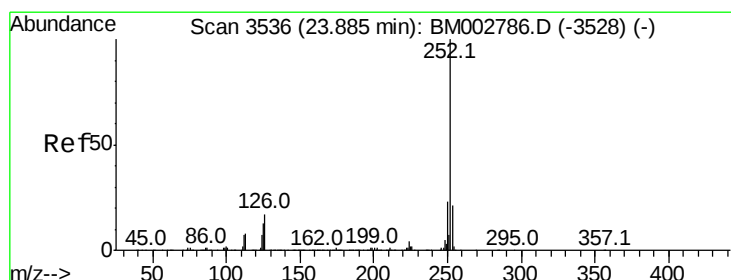
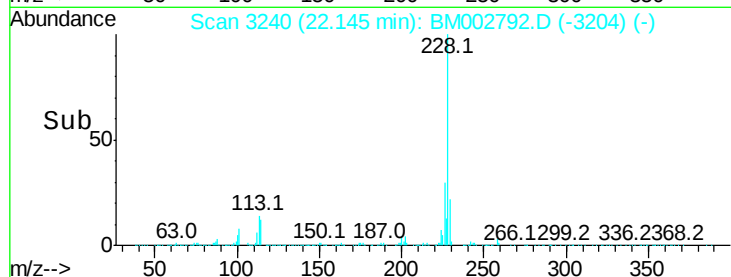
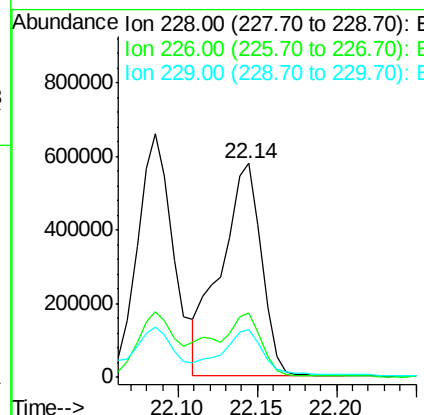
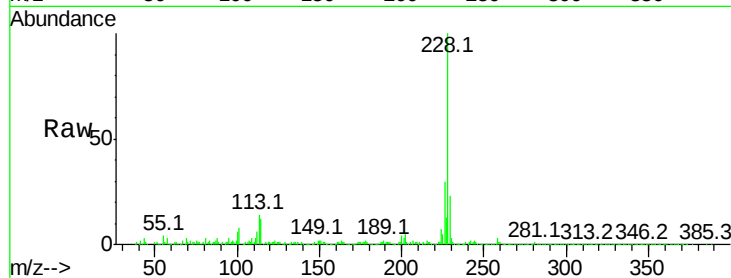
#85
Chrysene
Concen: 67.47 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Instrument :
BNA_M
ClientSampleId :
D9G67

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.4	33.6
229	22.6	15.4	23.2

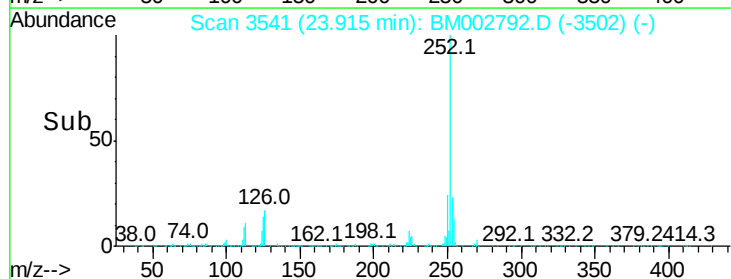
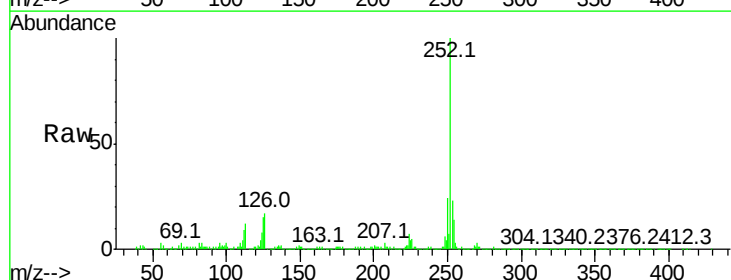
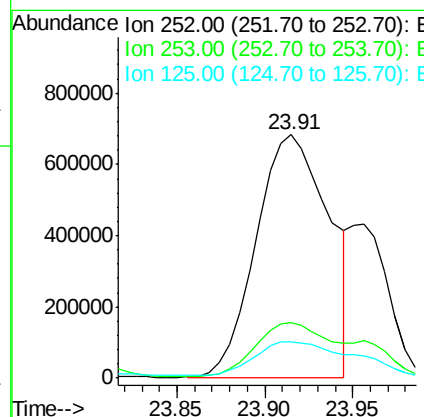
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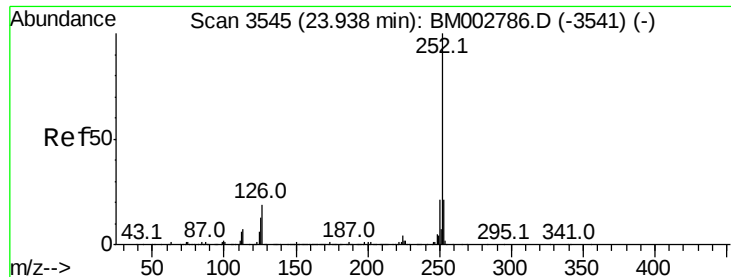
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#88
Benzo(b)fluoranthene
Concen: 110.45 ng/ul m
RT: 23.91 min Scan# 3541
Delta R.T. 0.03 min
Lab File: BM002792.D
Acq: 30 Sep 2015 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	15.2	10.6	15.8





#89

Benzo(k)fluoranthene

Concen: 38.89 ng/ul m

RT: 23.96 min Scan# 3548

Delta R.T. 0.02 min

Lab File: BM002792.D

Acq: 30 Sep 2015 21:23

Instrument :

BNA_M

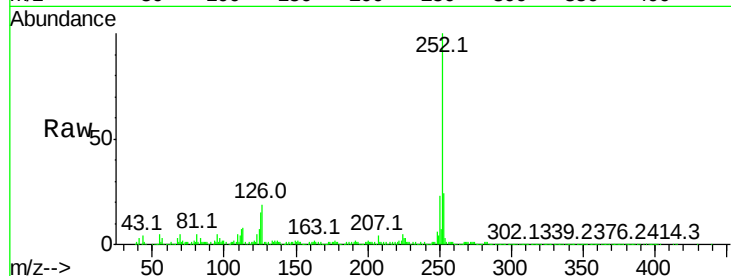
ClientSampleId :

D9G67

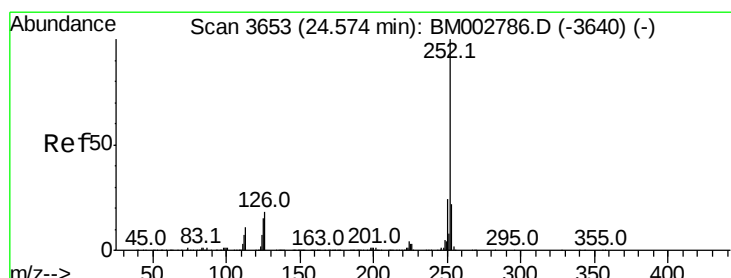
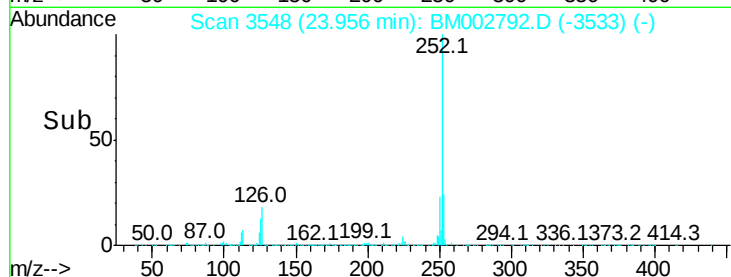
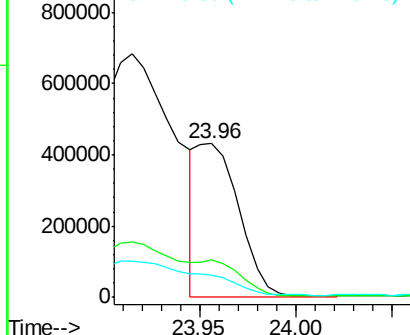
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.3	25.9
125	14.6	10.0	15.0

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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: 64.50 ng/ul m

RT: 24.60 min Scan# 3657

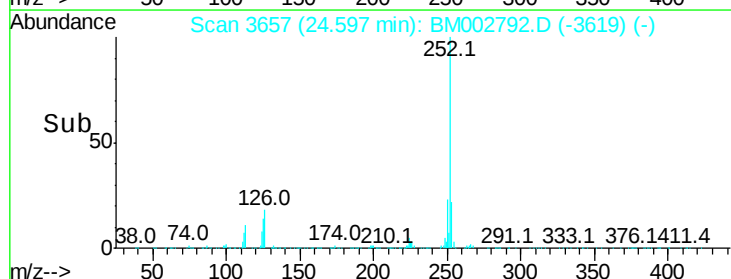
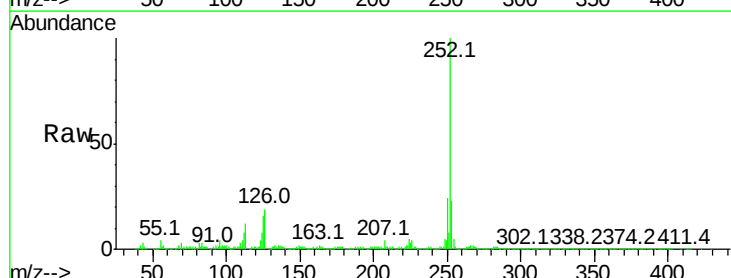
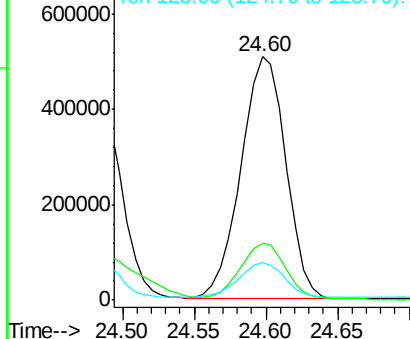
Delta R.T. 0.02 min

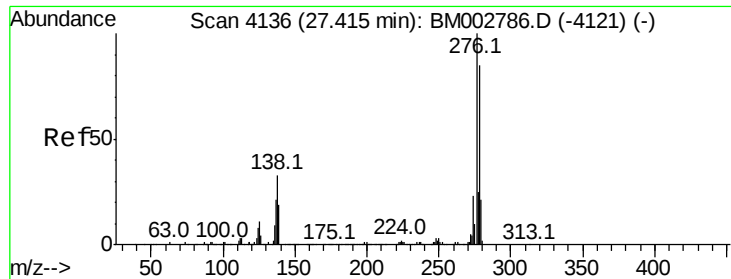
Lab File: BM002792.D

Acq: 30 Sep 2015 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	15.5	11.4	17.2

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





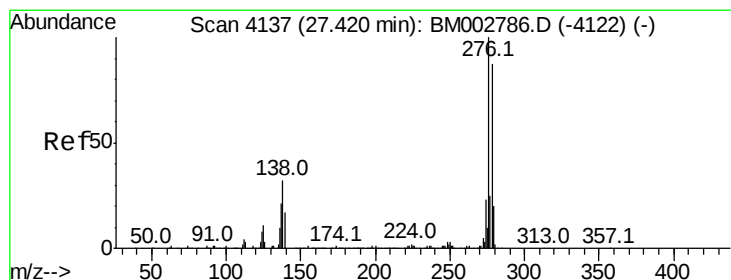
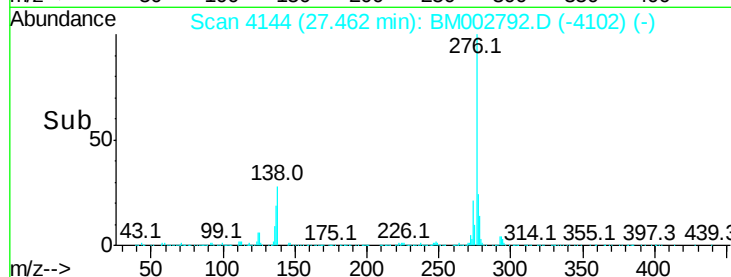
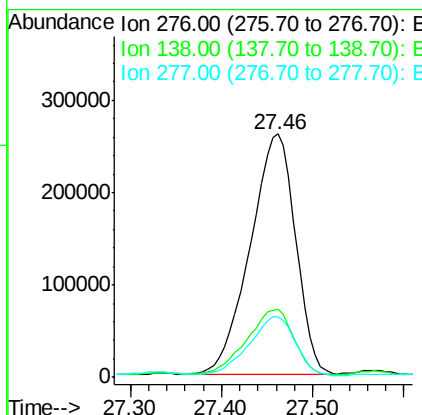
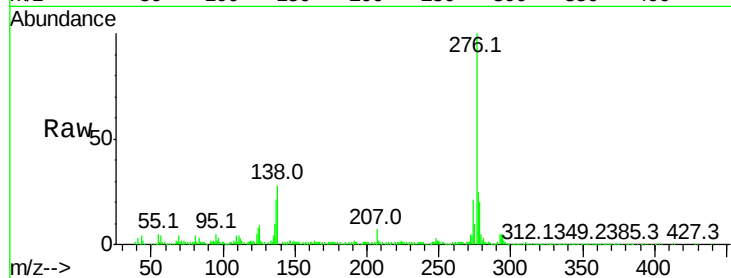
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 44.96 ng/ul m
 RT: 27.46 min Scan# 4144
 Delta R.T. 0.05 min
 Lab File: BM002792.D
 Acq: 30 Sep 2015 21:23

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	27.7	41.5
277	24.9	20.2	30.4

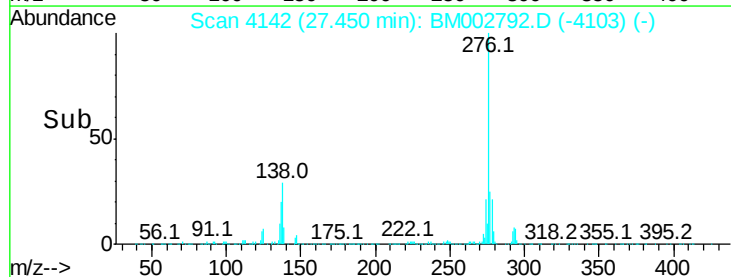
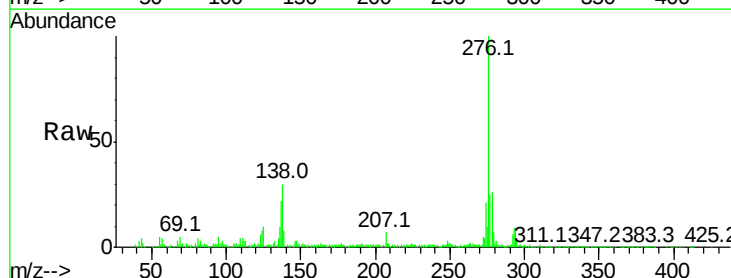
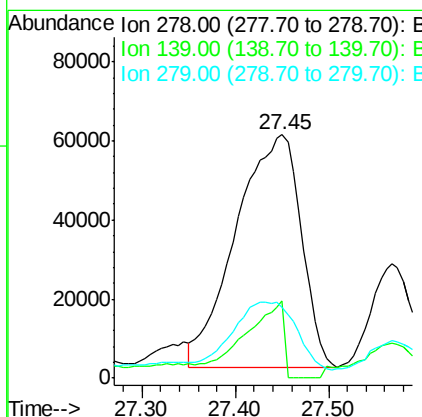
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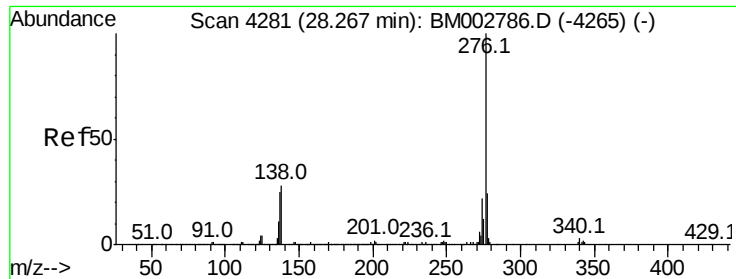
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#93
 Dibenzo(a,h)anthracene
 Concen: 16.84 ng/ul m
 RT: 27.45 min Scan# 4142
 Delta R.T. 0.03 min
 Lab File: BM002792.D
 Acq: 30 Sep 2015 21:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.8	17.0	25.6#
279	29.1	19.0	28.6#





#94
 Benzo(a,h,i)perylene
 Concen: 52.87 ng/ul m
 RT: 28.32 min Scan# 4290
 Delta R.T. 0.05 min
 Lab File: BM002792.D
 Acq: 30 Sep 2015 21:23

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	21.8	32.8
277	24.2	18.9	28.3

Manual Integrations
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