

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002793.D
 Acq On : 30 Sep 2015 22:00
 Operator : UM/IZ
 Sample : G3798-13DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67DL

Manual Integrations
 APPROVED

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 10/1/2015 4:43:08 PM

Quant Time: Oct 01 08:07:23 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	84748	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	378528	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	199931	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.02	188	403864	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	292403	20.00	ng/ul	0.00
86) Perylene-d12	24.70	264	295259	20.00	ng/ul	0.01

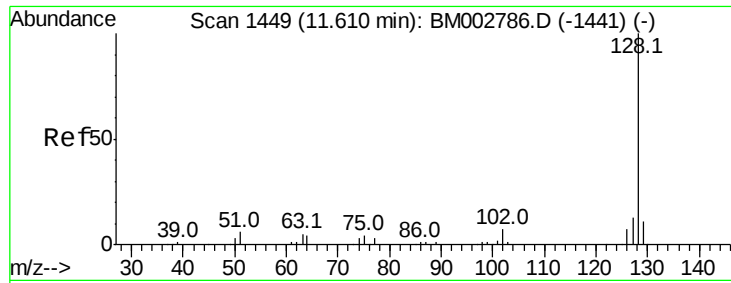
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	1940	1.06	ng/uL	0.00
5) Phenol-d5	7.83	99	49270	7.67	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.99	67	26685	7.39	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	44940	7.52	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	37162	7.02	ng/ul	0.00
19) Nitrobenzene-d5	9.90	128	20965	7.26	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	21527	7.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	40361m	7.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	16576	2.59	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	122650	8.15	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	159850	7.96	ng/ul	0.00
52) 4-Nitrophenol-d4	15.48	143	19189	7.18	ng/ul	0.00
58) Fluorene-d10	16.27	176	109441	8.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	2738	1.39	ng/ul	0.00
71) Anthracene-d10	18.11	188	158712	8.23	ng/ul	0.00
79) Pyrene-d10	20.34	212	135051	9.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	122107	8.08	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	11.62	128	20762	1.07 ng/ul#	95
45) Dimethylphthalate	14.72	163	81720	5.34 ng/ul	99
48) Acenaphthylene	15.03	152	182279	8.61 ng/ul	100
70) Phenanthrene	18.06	178	145807	6.24 ng/ul	99
72) Anthracene	18.14	178	232265	9.77 ng/ul	99
75) Carbazole	18.40	167	42072	2.03 ng/ul	95
77) Fluoranthene	20.02	202	800869	33.20 ng/ul	99
80) Pyrene	20.37	202	801710	43.16 ng/ul	99
83) Benzo(a)anthracene	22.09	228	536744	30.88 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.92	149	47108	3.75 ng/ul#	99
85) Chrysene	22.14	228	569631	34.74 ng/ul	94
88) Benzo(b)fluoranthene	23.91	252	1048242	59.10 ng/ul	97
89) Benzo(k)fluoranthene	23.95	252	343187m	20.44 ng/ul	
91) Benzo(a)pyrene	24.59	252	547810	32.15 ng/ul	96
92) Indeno(1,2,3-cd)pyrene	27.44	276	442279	22.25 ng/ul	93
93) Dibenzo(a,h)anthracene	27.43	278	145100	8.64 ng/ul#	81
94) Benzo(g,h,i)perylene	28.30	276	423026	25.28 ng/ul	98

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



#28

Naphthalene

Concen: 1.07 ng/ul

RT: 11.62 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

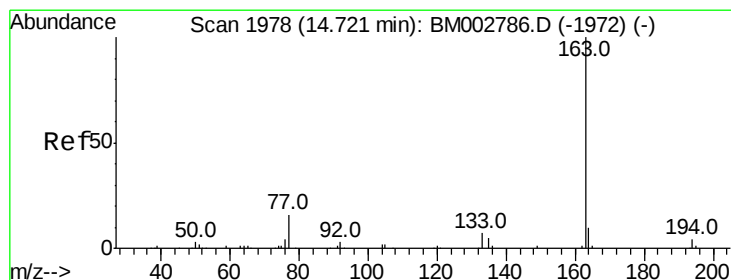
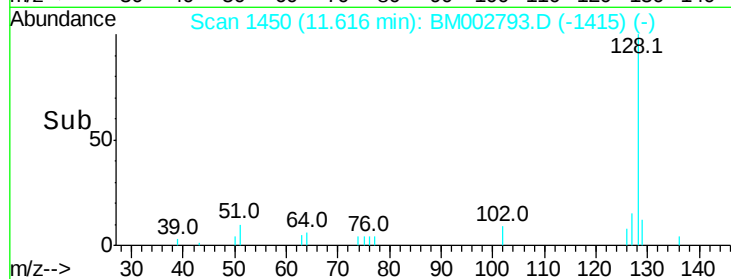
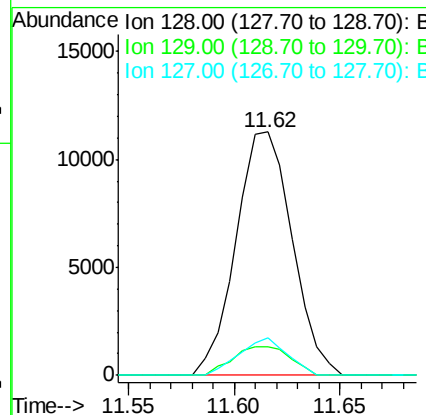
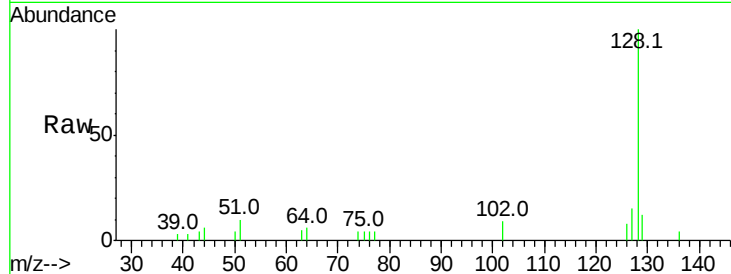
ClientSampleId :

D9G67DL

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Tot Ion:128	Resp:	20762
Ion Ratio	Lower	Upper
128 100		
129 11.8	8.7	13.1
127 15.2	9.9	14.9#



#45

Dimethylphthalate

Concen: 5.34 ng/ul

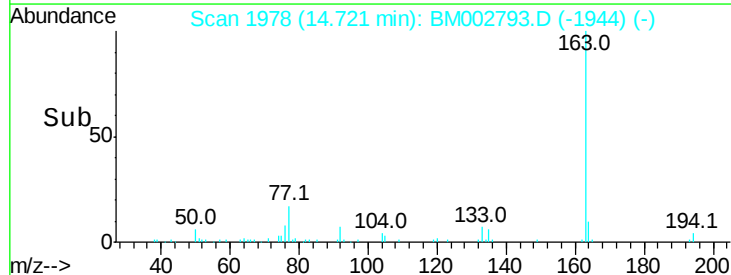
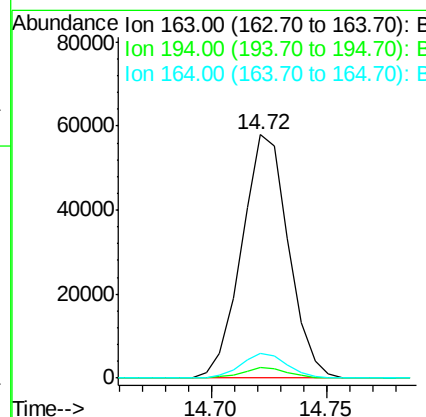
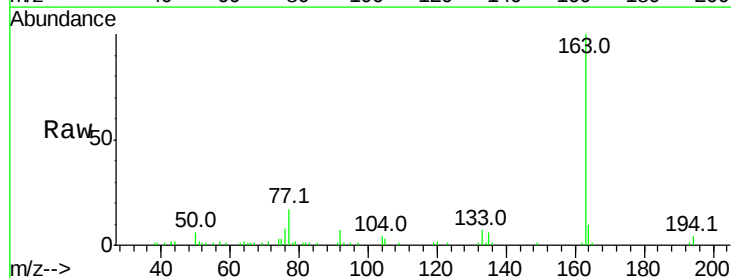
RT: 14.72 min Scan# 1978

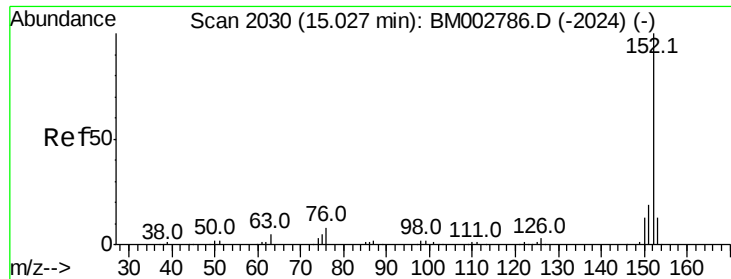
Delta R.T. 0.00 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Tgt Ion:163	Resp:	81720
Ion Ratio	Lower	Upper
163 100		
194 4.4	3.2	4.8
164 10.3	8.1	12.1





#48

Acenaphthylene

Concen: 8.61 ng/ul

RT: 15.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

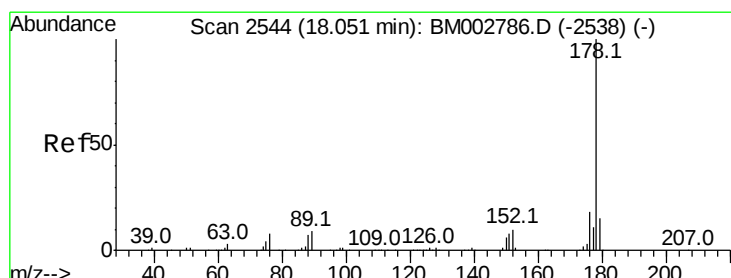
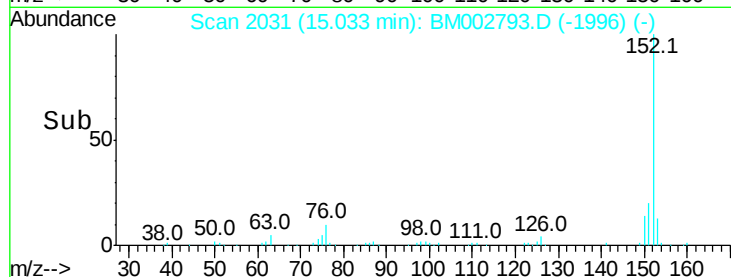
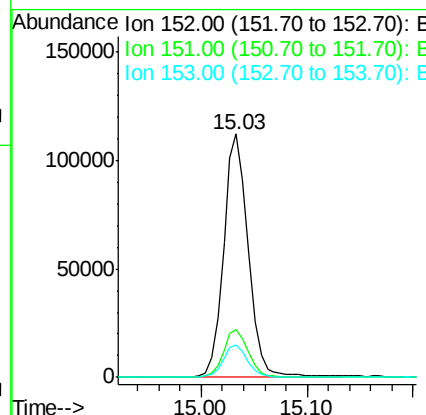
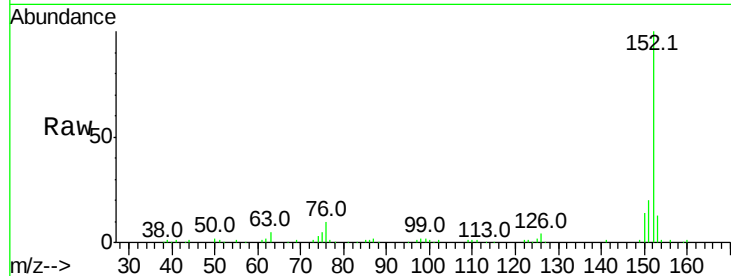
ClientSampleId :

D9G67DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	182279		
151	19.8		15.6	23.4
153	13.1		10.4	15.6

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#70

Phenanthrene

Concen: 6.24 ng/ul

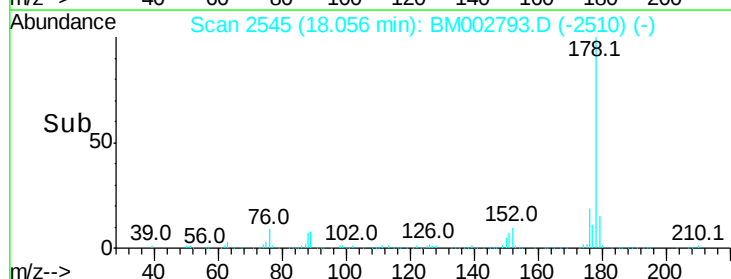
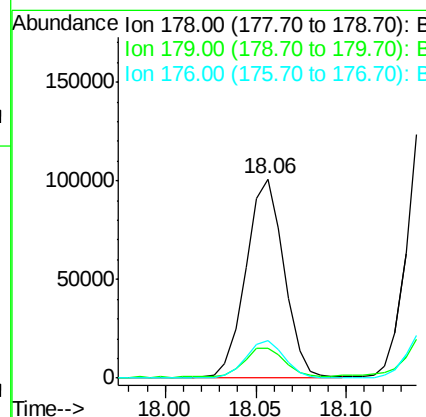
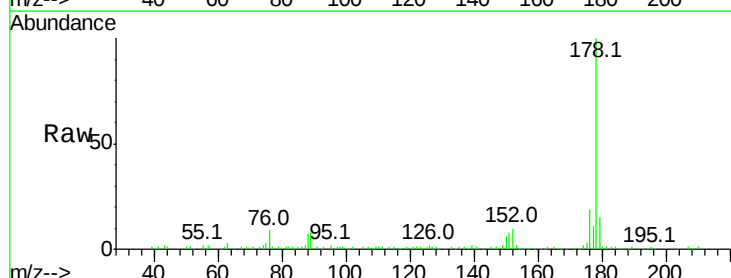
RT: 18.06 min Scan# 2545

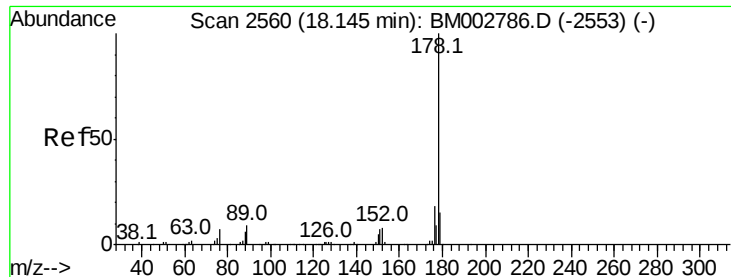
Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	145807		
179	15.2		12.0	18.0
176	18.9		14.6	22.0





#72

Anthracene

Concen: 9.77 ng/ul

RT: 18.14 min Scan# 2560

Delta R.T. -0.00 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

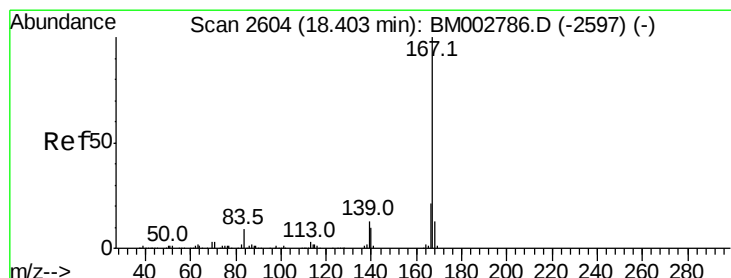
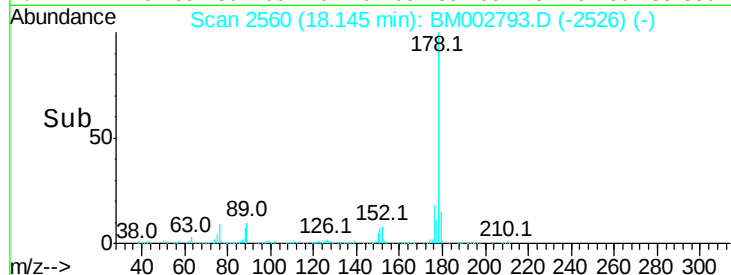
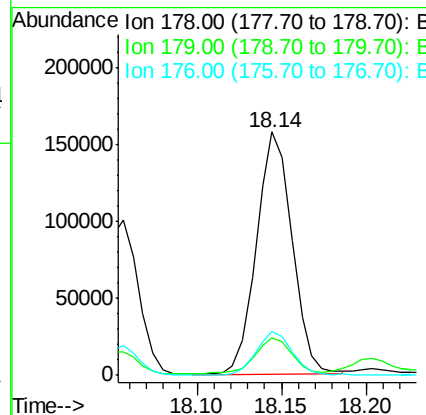
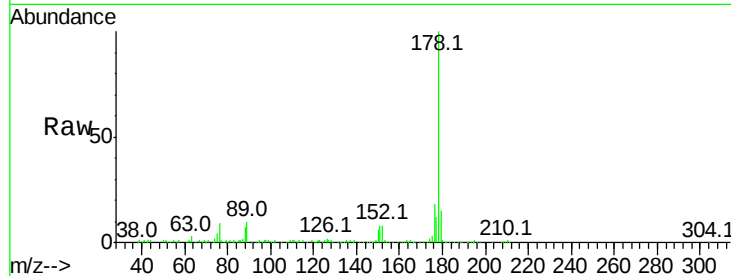
ClientSampleId :

D9G67DL

Tot Ion:	178	Resp:	232265
Ion Ratio	Lower	Upper	
178	100		
179	15.3	11.9	17.9
176	18.1	14.4	21.6

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#75

Carbazole

Concen: 2.03 ng/ul

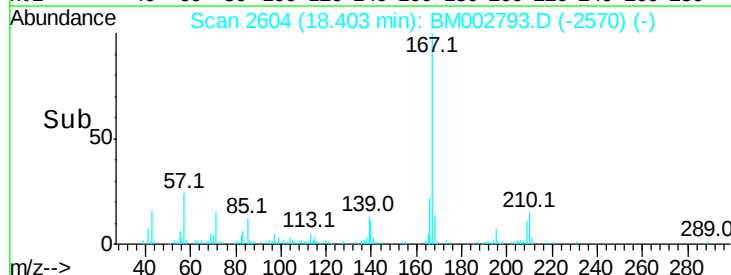
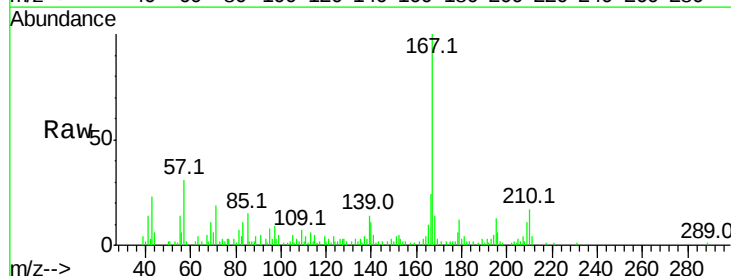
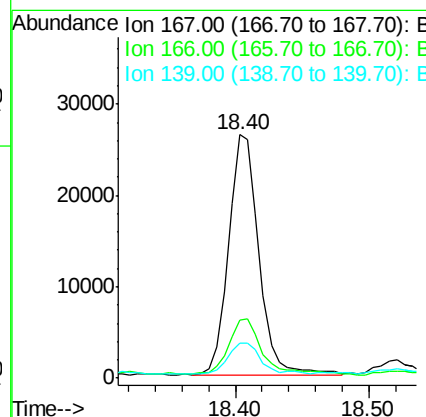
RT: 18.40 min Scan# 2604

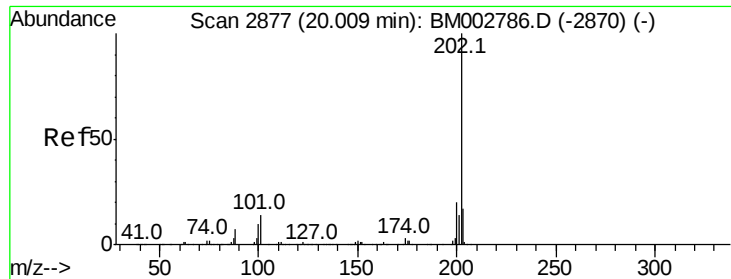
Delta R.T. 0.00 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Tgt Ion:	167	Resp:	42072
Ion Ratio	Lower	Upper	
167	100		
166	23.7	16.8	25.2
139	14.5	10.1	15.1





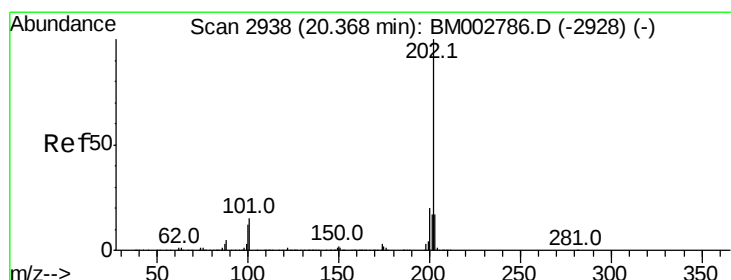
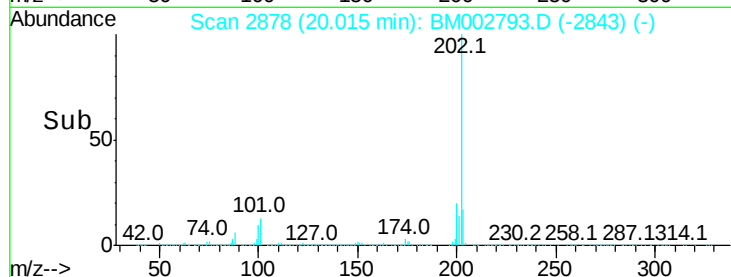
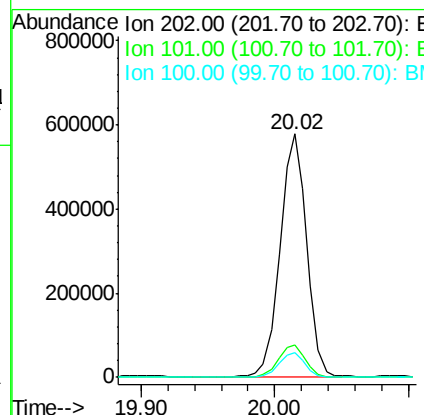
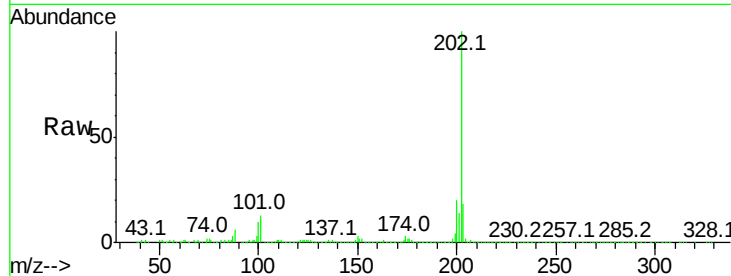
#77
Fluoranthene
Concen: 33.20 ng/ul
RT: 20.02 min Scan# 2878
Delta R.T. 0.01 min
Lab File: BM002793.D
Acq: 30 Sep 2015 22:00

Instrument :
BNA_M
ClientSampleId :
D9G67DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	800869		
101	13.1		11.0	16.4
100	9.9		8.3	12.5

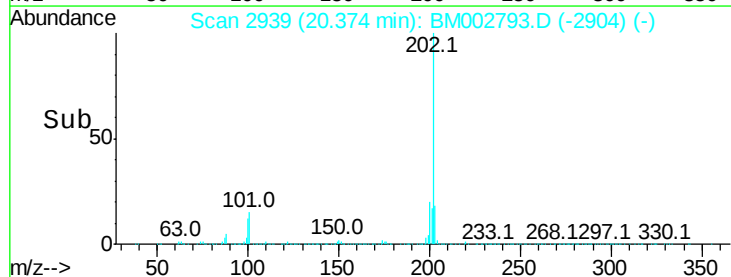
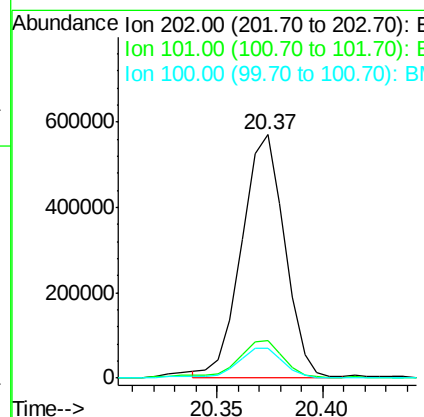
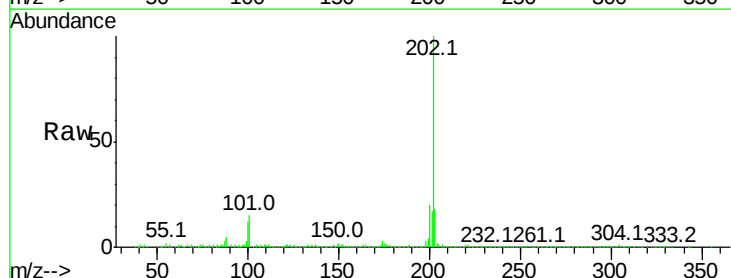
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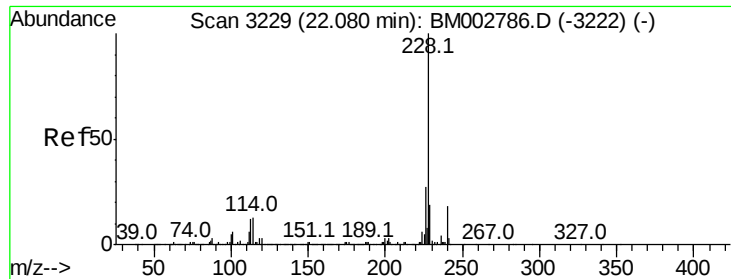
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#80
Pyrene
Concen: 43.16 ng/ul
RT: 20.37 min Scan# 2939
Delta R.T. 0.01 min
Lab File: BM002793.D
Acq: 30 Sep 2015 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	801710		
101	15.2		12.1	18.1
100	12.2		10.2	15.4





#83

Benzo(a)anthracene

Concen: 30.88 ng/ul

RT: 22.09 min Scan# 3230

Delta R.T. 0.01 min

Lab File: BM002793.D

Acq: 30 Sep 2015 22:00

Instrument :

BNA_M

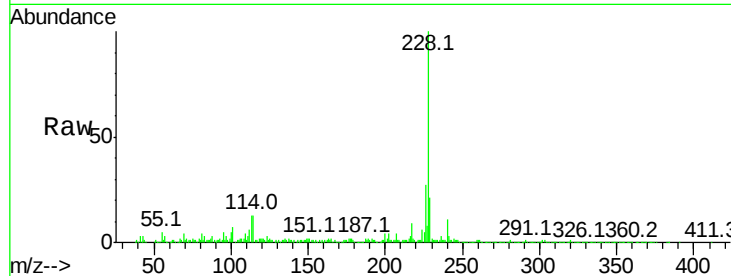
ClientSampleId :

D9G67DL

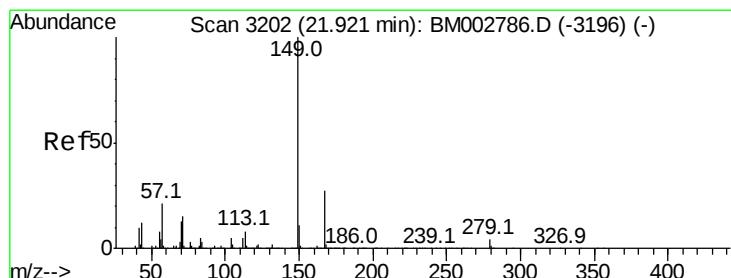
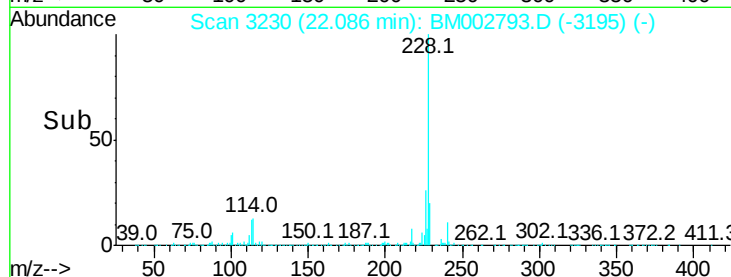
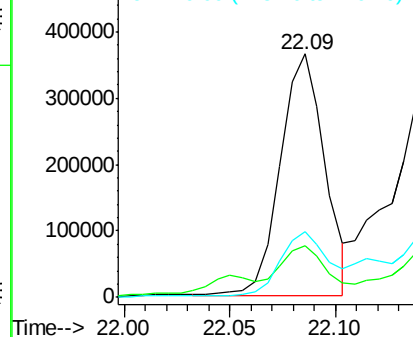
Tot Ion:	228	Resp:	536744
Ion Ratio	Lower	Upper	
228	100		
229	21.0	16.1	24.1
226	26.9	20.9	31.3

Manual Integrations
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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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.75 ng/ul

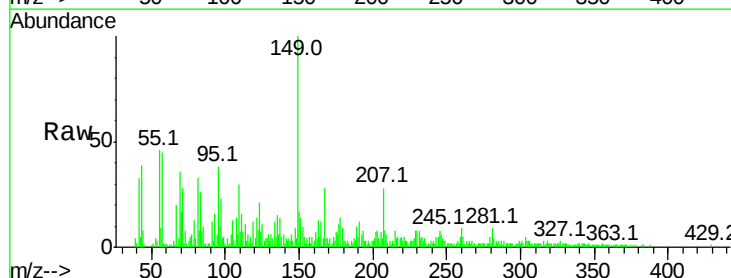
RT: 21.92 min Scan# 3202

Delta R.T. 0.00 min

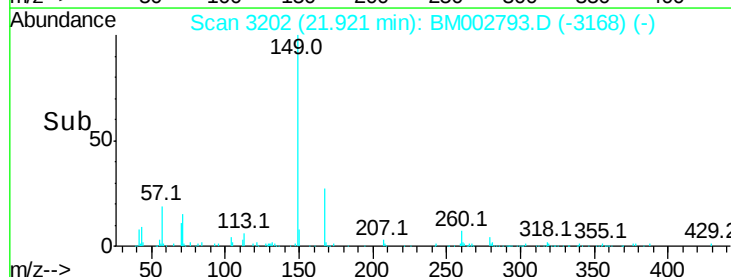
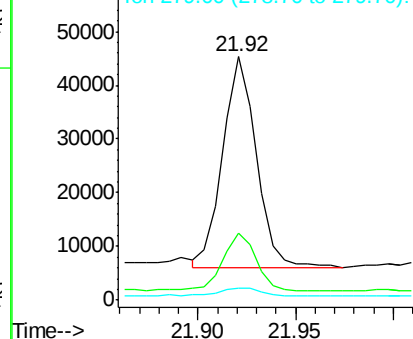
Lab File: BM002793.D

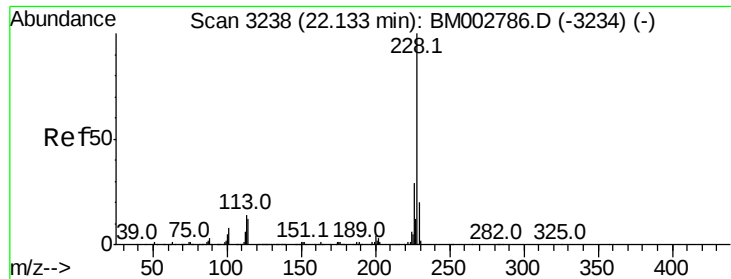
Acq: 30 Sep 2015 22:00

Tgt Ion:	149	Resp:	47108
Ion Ratio	Lower	Upper	
149	100		
167	27.5	21.7	32.5
279	5.0	3.0	4.6#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





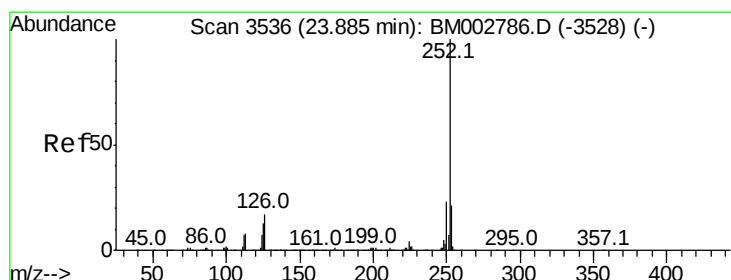
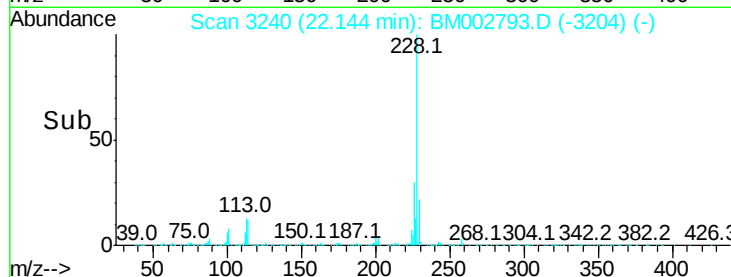
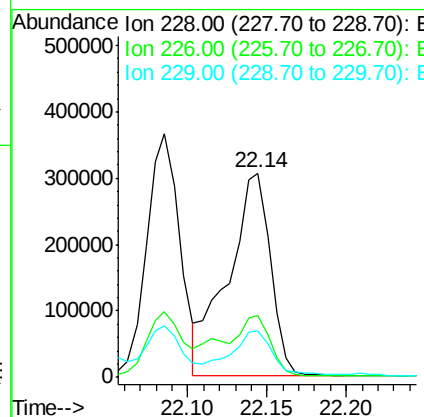
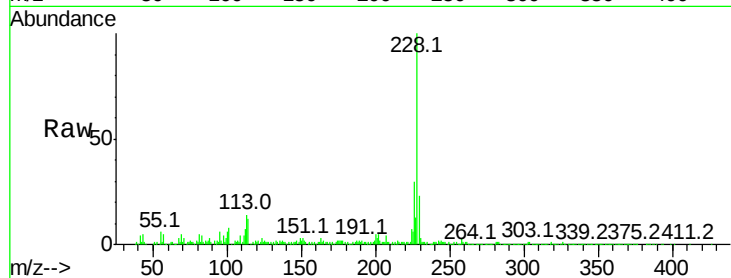
#85
Chrysene
Concen: 34.74 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BM002793.D
Acq: 30 Sep 2015 22:00

Instrument :
BNA_M
ClientSampleId :
D9G67DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	569631		
226	30.1		22.4	33.6
229	23.0		15.4	23.2

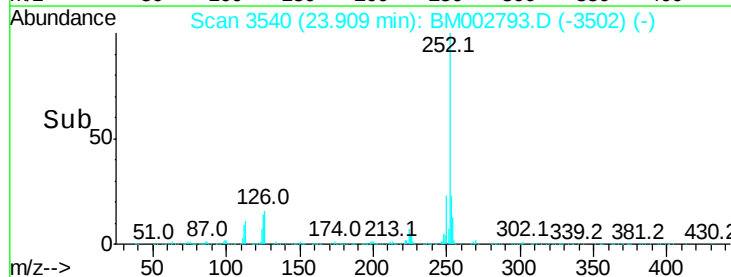
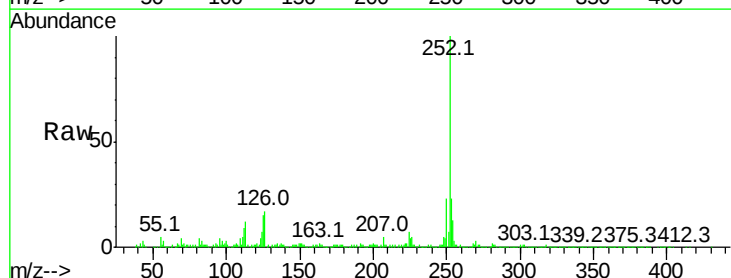
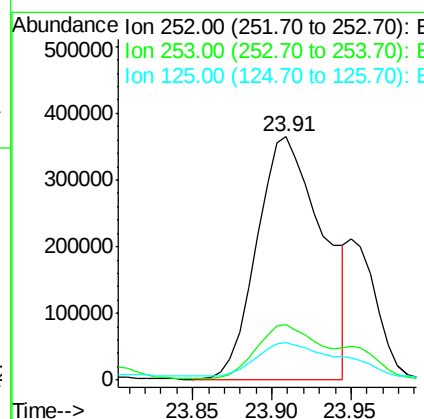
Manual Integrations
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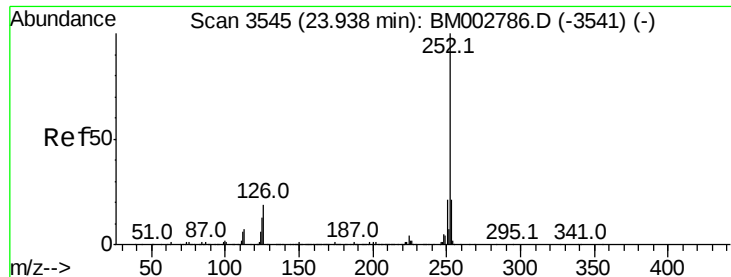
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#88
Benzo(b)fluoranthene
Concen: 59.10 ng/ul
RT: 23.91 min Scan# 3540
Delta R.T. 0.02 min
Lab File: BM002793.D
Acq: 30 Sep 2015 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1048242		
253	22.9		17.6	26.4
125	15.4		10.6	15.8





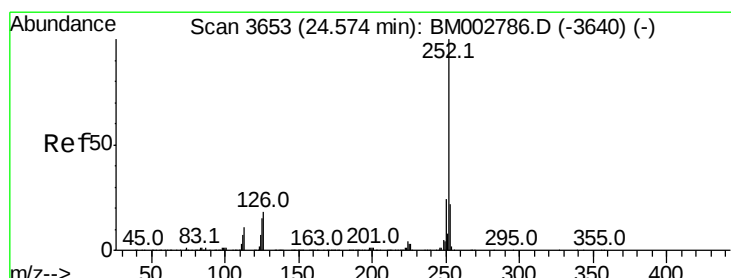
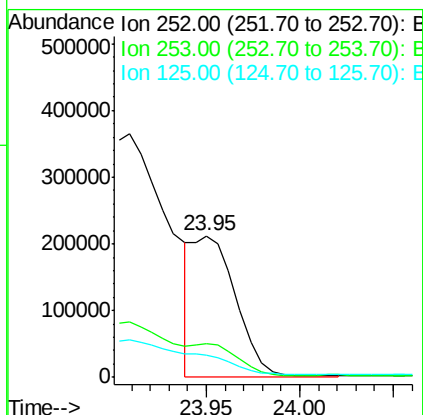
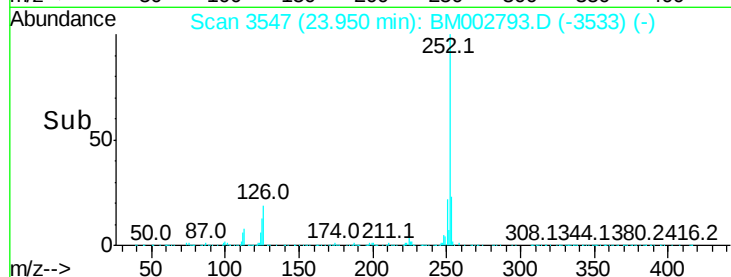
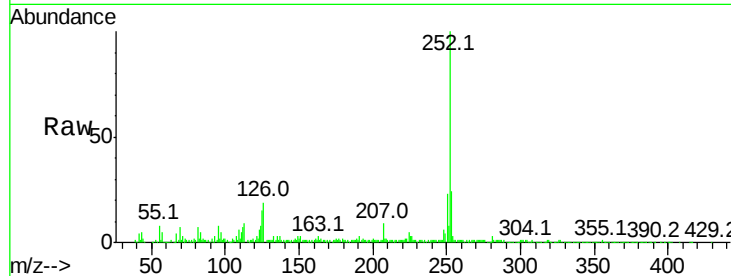
#89
Benzo(k)fluoranthene
Concen: 20.44 ng/ul m
RT: 23.95 min Scan# 3547
Delta R.T. 0.01 min
Lab File: BM002793.D
Acq: 30 Sep 2015 22:00

Instrument :
BNA_M
ClientSampleId :
D9G67DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.8	17.3	25.9
125	15.2	10.0	15.0#

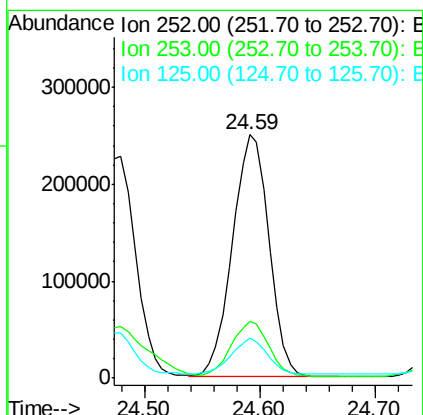
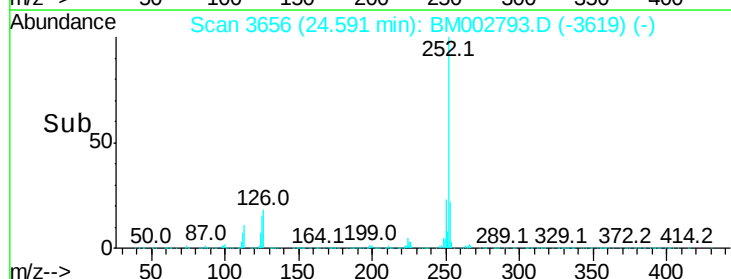
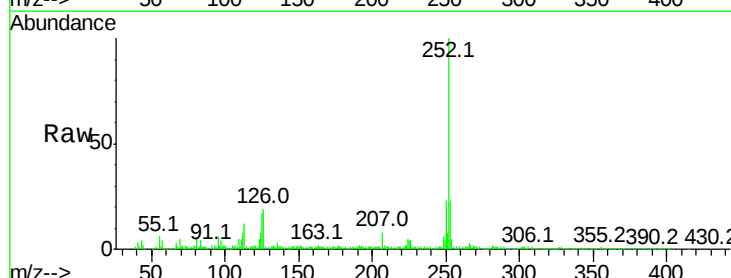
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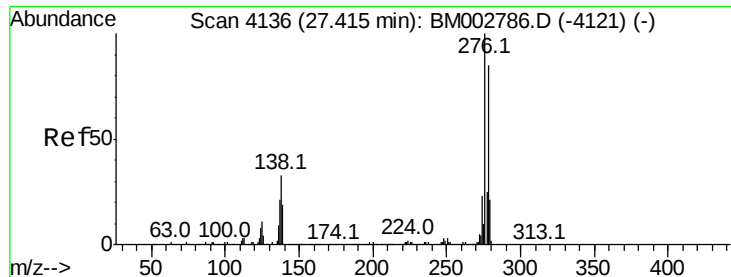
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#91
Benzo(a)pyrene
Concen: 32.15 ng/ul
RT: 24.59 min Scan# 3656
Delta R.T. 0.02 min
Lab File: BM002793.D
Acq: 30 Sep 2015 22:00

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.4	26.0
125	16.6	11.4	17.2





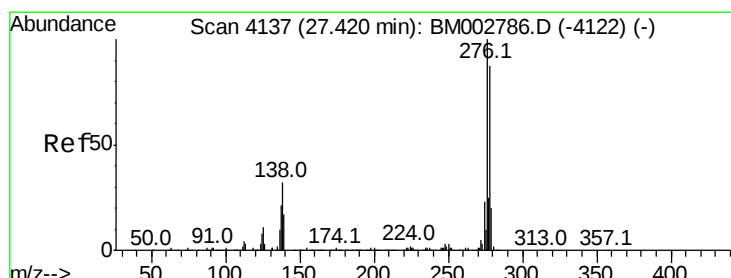
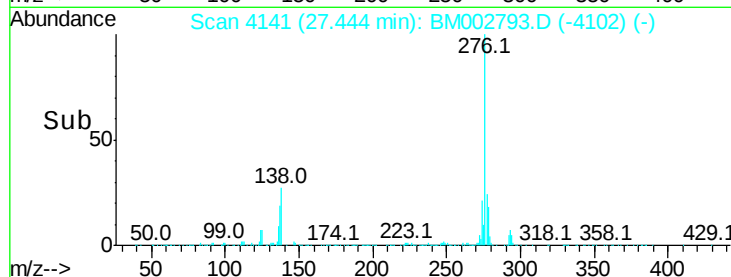
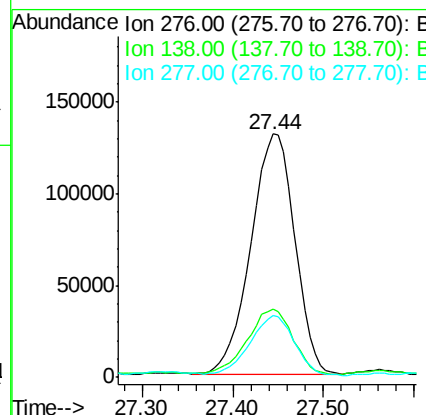
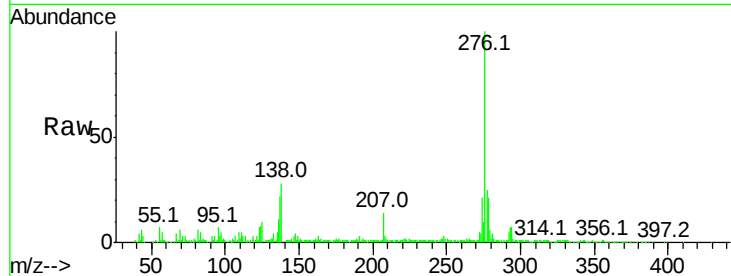
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 22.25 ng/ul
 RT: 27.44 min Scan# 4141
 Delta R.T. 0.03 min
 Lab File: BM002793.D
 Acq: 30 Sep 2015 22:00

Instrument :
 BNA_M
 ClientSampleId :
 D9G67DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	442279		
138	27.9		27.7	41.5
277	25.2		20.2	30.4

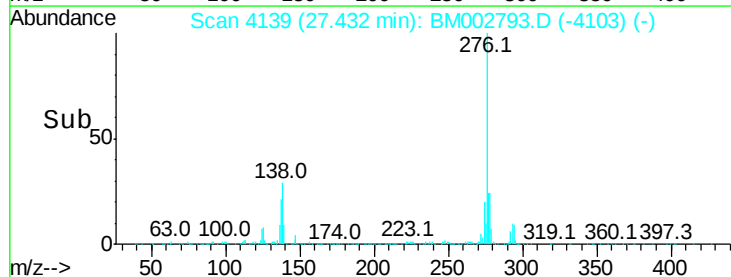
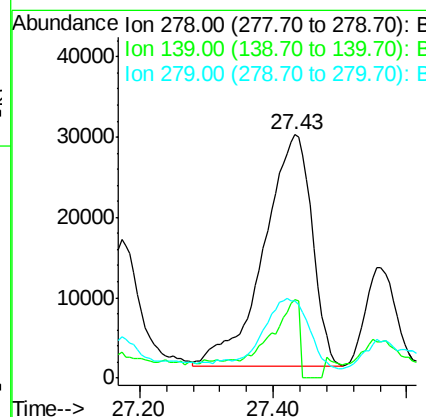
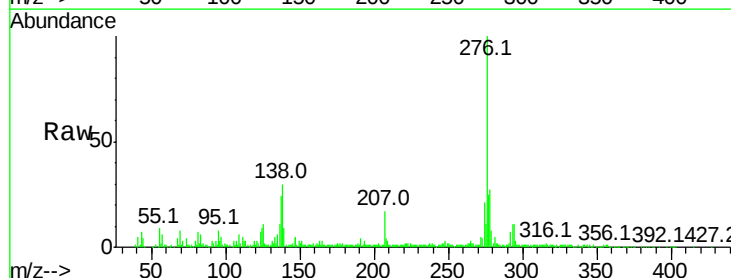
Manual Integrations
 APPROVED

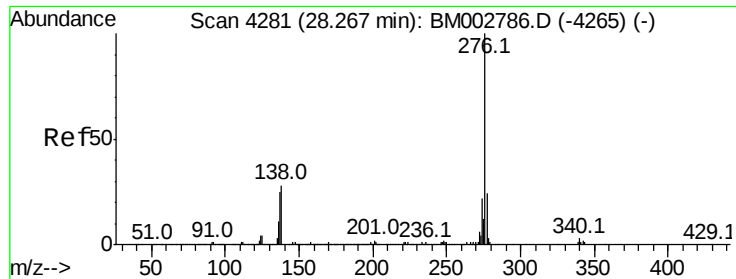
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#93
 Dibenzo(a,h)anthracene
 Concen: 8.64 ng/ul
 RT: 27.43 min Scan# 4139
 Delta R.T. 0.01 min
 Lab File: BM002793.D
 Acq: 30 Sep 2015 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	145100		
139	32.2		17.0	25.6#
279	31.7		19.0	28.6#





#94
 Benzo(a,h,i)perylene
 Concen: 25.28 ng/ul
 RT: 28.30 min Scan# 4287
 Delta R.T. 0.04 min
 Lab File: BM002793.D
 Acq: 30 Sep 2015 22:00

Instrument :
 BNA_M
 ClientSampleId :
 D9G67DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	21.8	32.8
277	24.3	18.9	28.3

Manual Integrations
 APPROVED

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