

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002800.D
 Acq On : 01 Oct 2015 02:14
 Operator : UM/IZ
 Sample : G3798-24
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G76

Manual Integrations
 APPROVED

MMDadoda
 10/1/2015 4:44:26 PM

Quant Time: Oct 01 08:56:56 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	79890	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	320727	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	148434	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	281524	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	285083	20.00	ng/ul	0.00
86) Perylene-d12	24.69	264	305876	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.78	96	2723	1.58	ng/uL	0.01
5) Phenol-d5	7.82	99	56230	9.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	31495	9.25	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	52441	9.31	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	43421	8.70	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	23327	9.54	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	23375	9.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	40338m	8.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	47090	8.67	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	117706	10.54	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	148425	9.96	ng/ul	0.00
52) 4-Nitrophenol-d4	15.48	143	12760	6.43	ng/ul	0.00
58) Fluorene-d10	16.27	176	99728	9.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	1363	0.99	ng/ul	0.00
71) Anthracene-d10	18.11	188	143250	10.66	ng/ul	0.00
79) Pyrene-d10	20.34	212	142432	10.70	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	168904	10.79	ng/ul	0.00

Target Compounds

					Ovalue
45) Dimethylphthalate	14.72	163	83430	7.35	ng/ul 100
50) Acenaphthene	15.36	153	22533	2.17	ng/ul 97
54) Dibenzofuran	15.69	168	18646	1.33	ng/ul 97
59) Fluorene	16.33	166	33831	2.93	ng/ul 93
70) Phenanthrene	18.06	178	802749	49.29	ng/ul 100
72) Anthracene	18.14	178	139496	8.42	ng/ul 99
75) Carbazole	18.40	167	80461	5.56	ng/ul 98
77) Fluoranthene	20.02	202	1495720	88.95	ng/ul 99
80) Pvrene	20.37	202	1143508	63.15	ng/ul 98
81) Butylbenzylphthalate	21.17	149	8932	1.10	ng/ul 95
83) Benzo(a)anthracene	22.08	228	529404	31.24	ng/ul 100
84) Bis(2-ethylhexyl)phthalate	21.92	149	22712	1.86	ng/ul# 98
85) Chrysene	22.14	228	577186	36.11	ng/ul 97
88) Benzo(b)fluoranthene	23.90	252	767641	41.77	ng/ul 98
89) Benzo(k)fluoranthene	23.94	252	303283m	17.43	ng/ul
91) Benzo(a)pyrene	24.58	252	532294	30.16	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	27.43	276	410955	19.96	ng/ul# 91
93) Dibenzo(a,h)anthracene	27.41	278	97260	5.59	ng/ul# 76
94) Benzo(g,h,i)perylene	28.29	276	370837	21.39	ng/ul 98

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

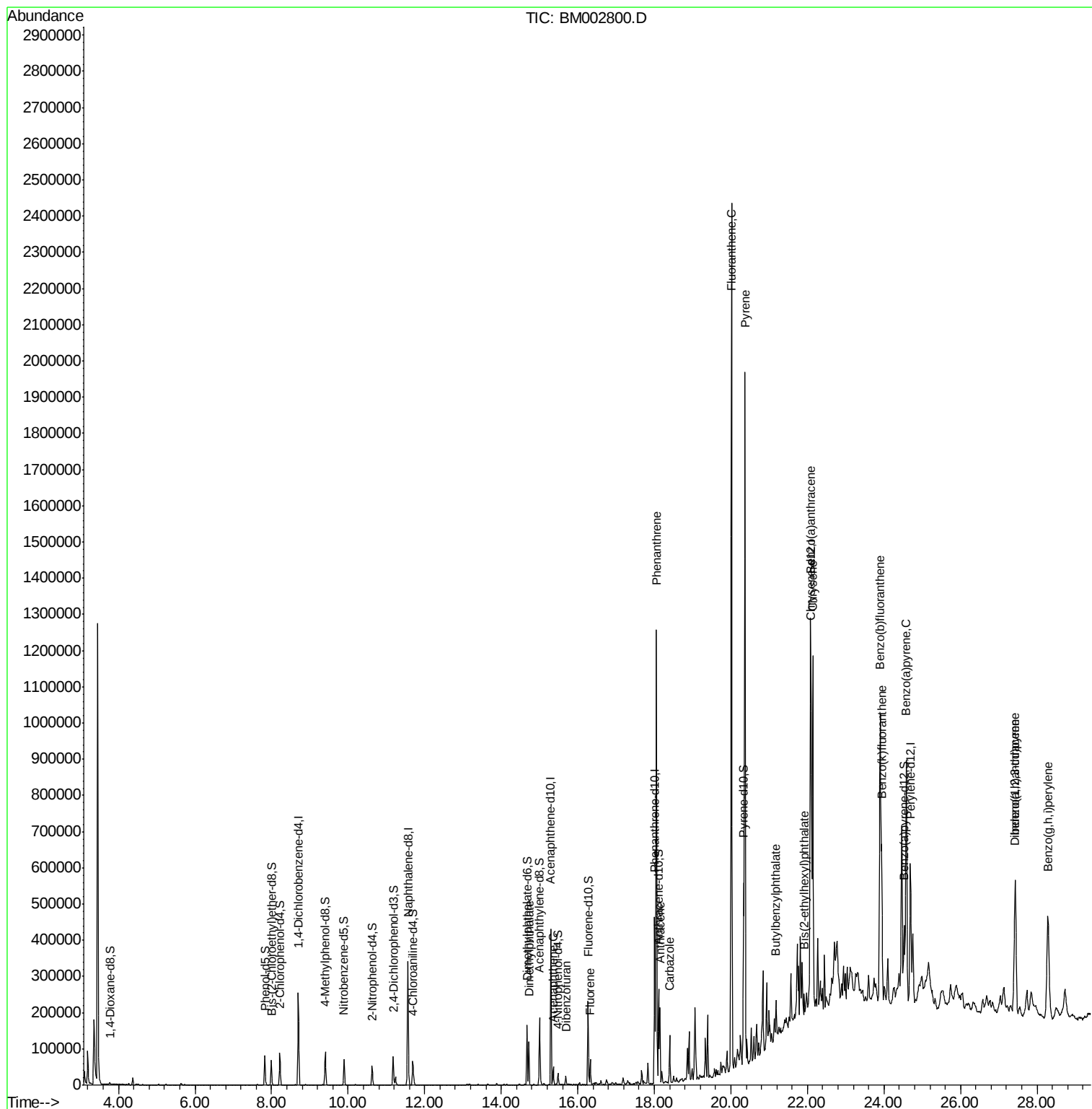
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002800.D
Acq On : 01 Oct 2015 02:14
Operator : UM/IZ
Sample : G3798-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

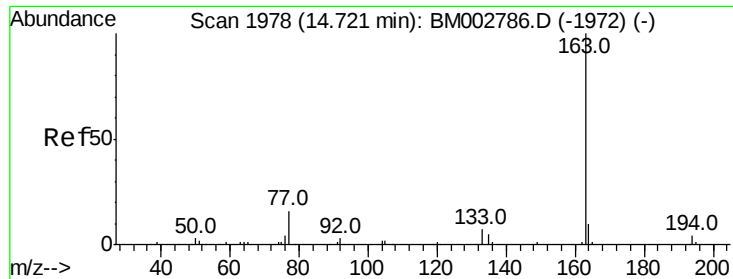
Instrument :
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Quant Time: Oct 01 08:56:56 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 01 07:01:42 2015
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 7.35 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

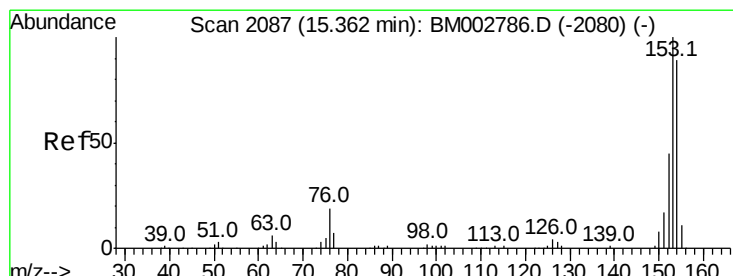
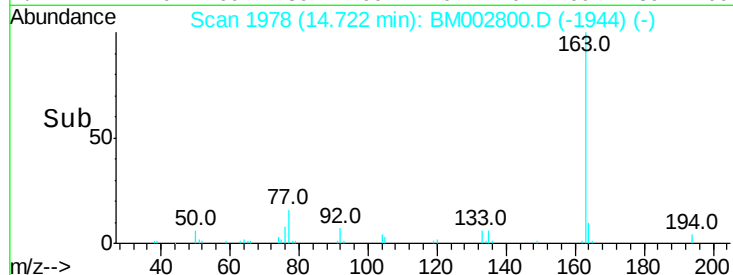
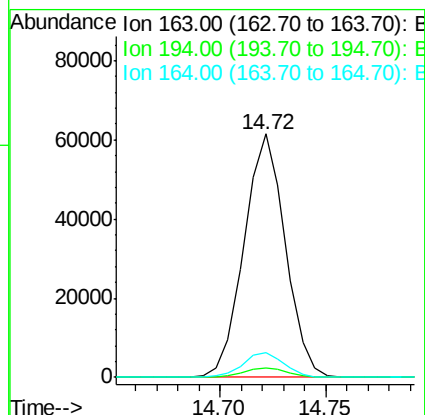
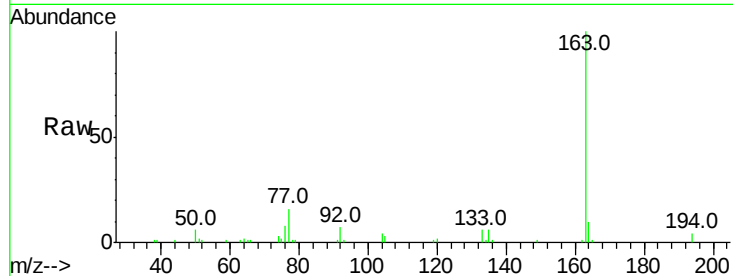
ClientSampleId :

D9G76

Tot Ion:	163	Resp:	83430
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.2	4.8
164	10.0	8.1	12.1

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#50

Acenaphthene

Concen: 2.17 ng/ul

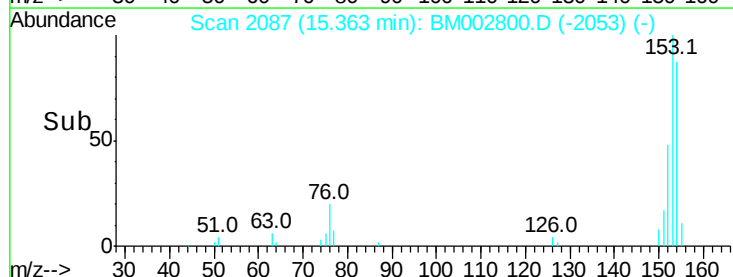
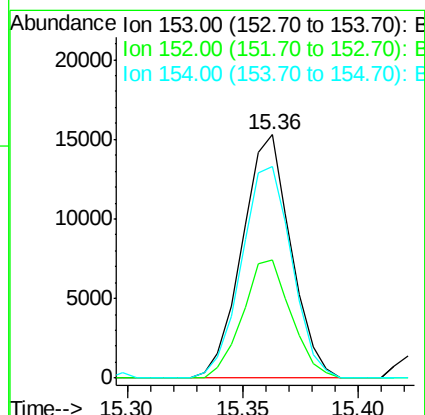
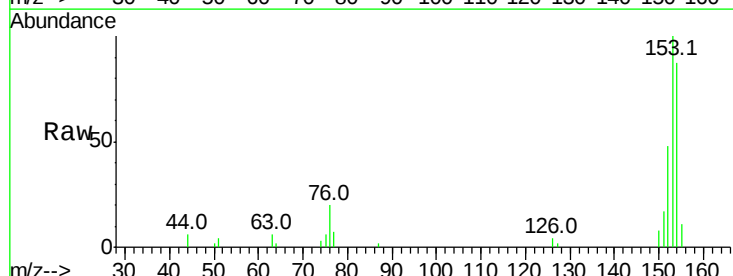
RT: 15.36 min Scan# 2087

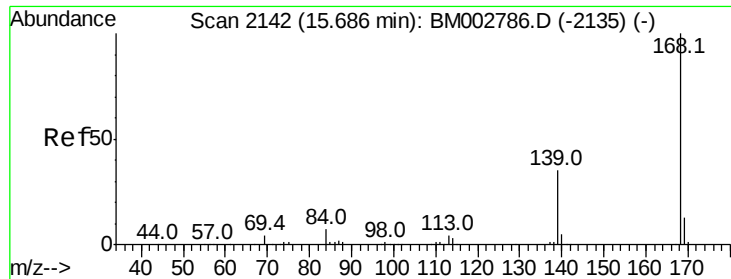
Delta R.T. 0.00 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Tgt Ion:	153	Resp:	22533
Ion Ratio	Lower	Upper	
153	100		
152	48.3	37.2	55.8
154	86.7	71.9	107.9





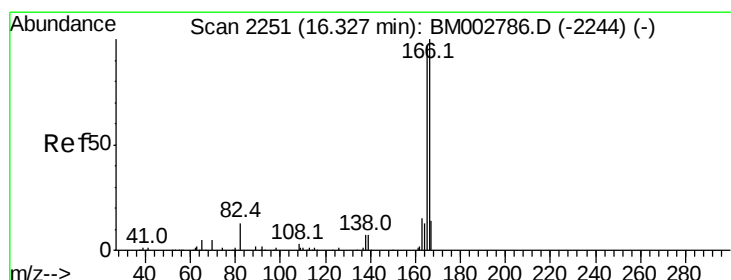
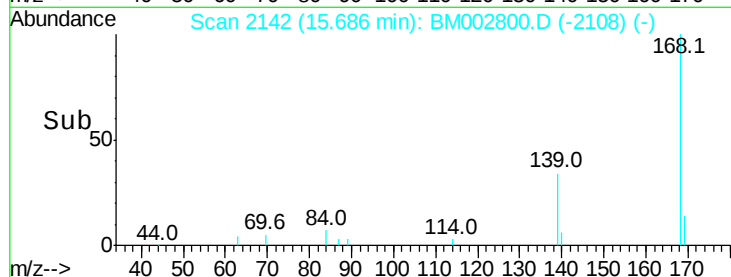
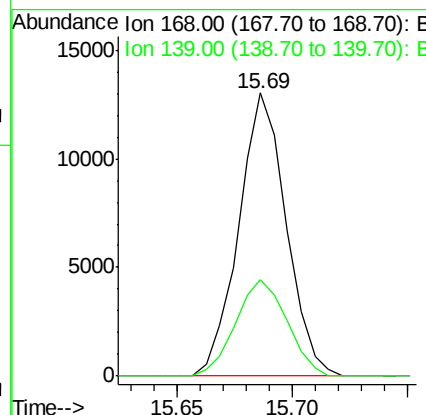
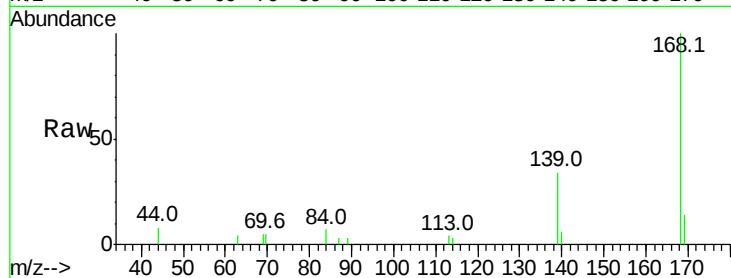
#54
Dibenzofuran
Concen: 1.33 ng/ul
RT: 15.69 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Instrument :
BNA_M
ClientSampleId :
D9G76

Tot Ion:168 Resp: 18646
Ion Ratio Lower Upper
168 100
139 34.0 28.7 43.1

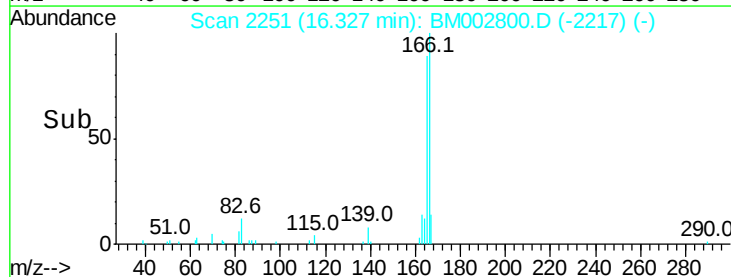
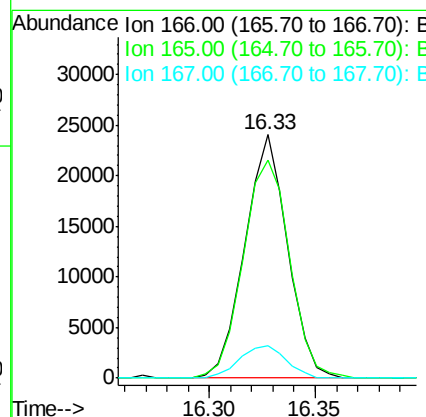
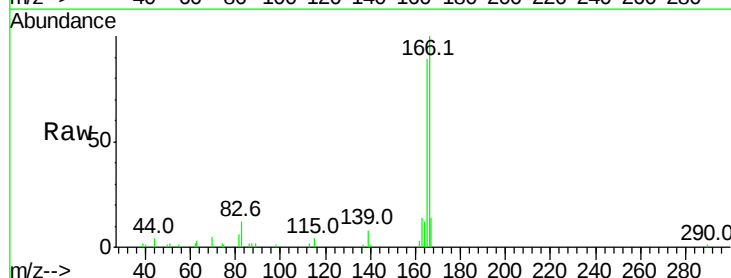
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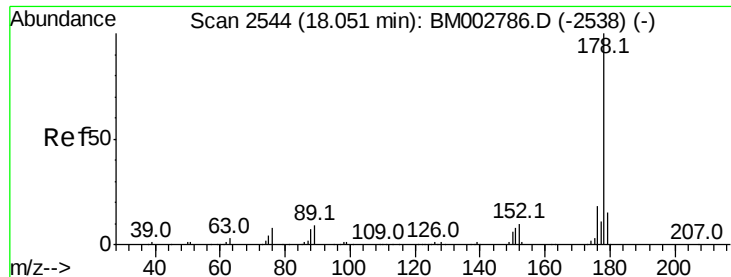
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#59
Fluorene
Concen: 2.93 ng/ul
RT: 16.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Tgt Ion:166 Resp: 33831
Ion Ratio Lower Upper
166 100
165 89.3 78.0 117.0
167 13.6 10.6 16.0





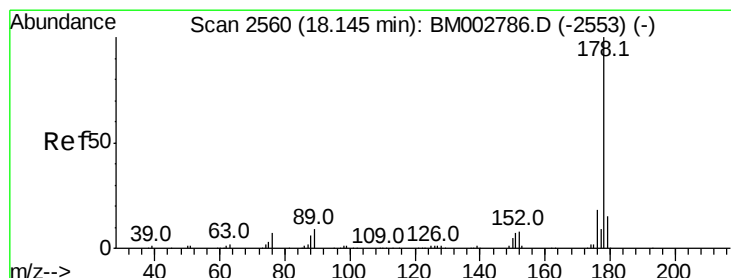
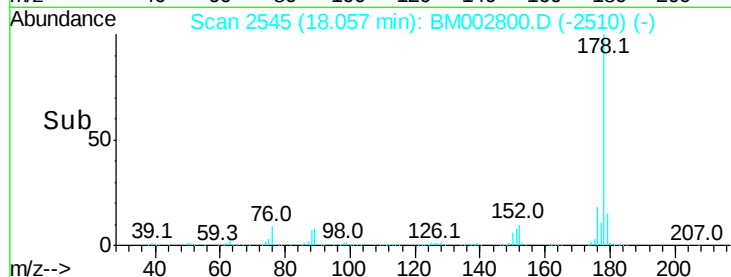
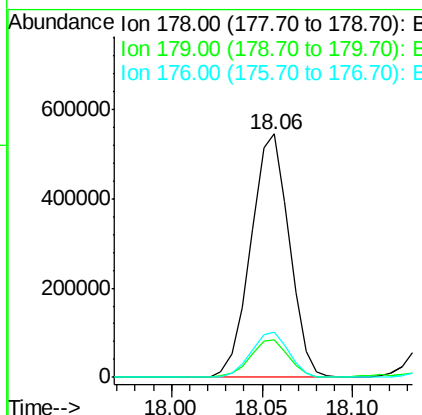
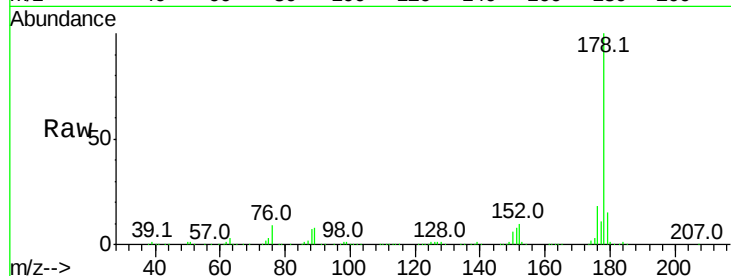
#70
Phenanthrene
Concen: 49.29 ng/ul
RT: 18.06 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Instrument :
BNA_M
ClientSampleId :
D9G76

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	18.4	14.6	22.0

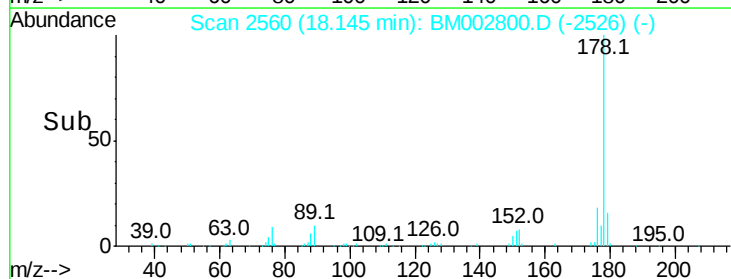
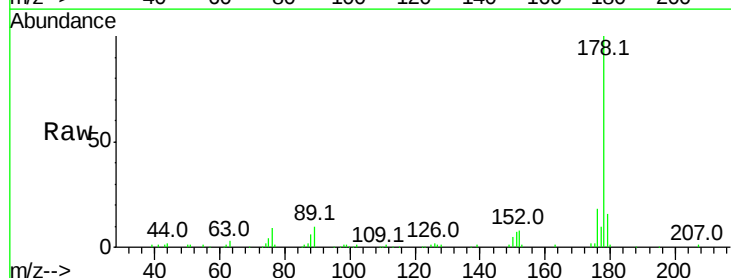
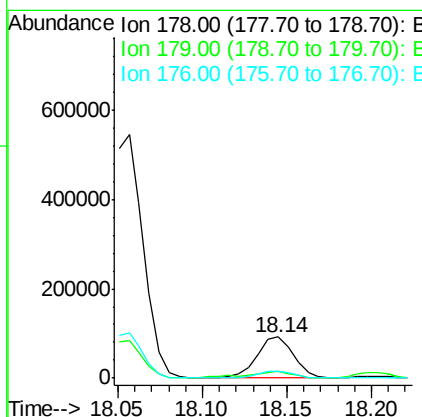
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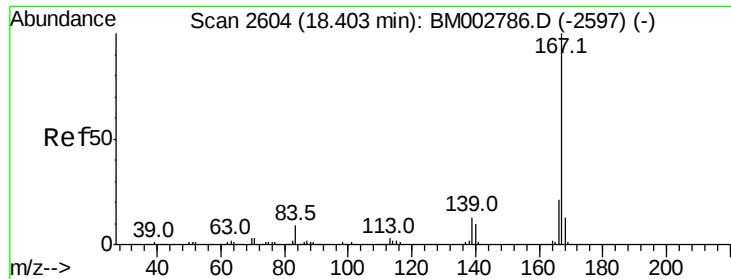
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#72
Anthracene
Concen: 8.42 ng/ul
RT: 18.14 min Scan# 2560
Delta R.T. 0.00 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.9	17.9
176	17.7	14.4	21.6





#75

Carbazole

Concen: 5.56 ng/ul

RT: 18.40 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

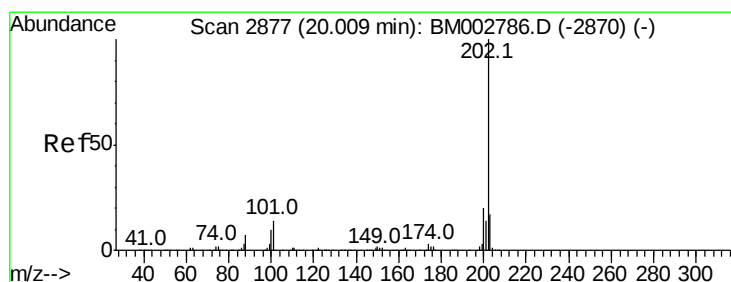
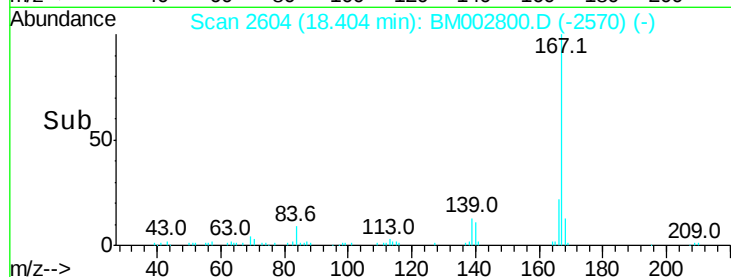
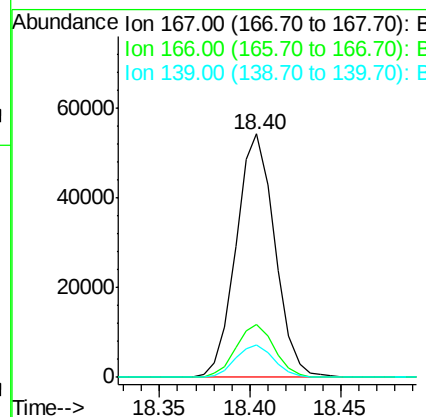
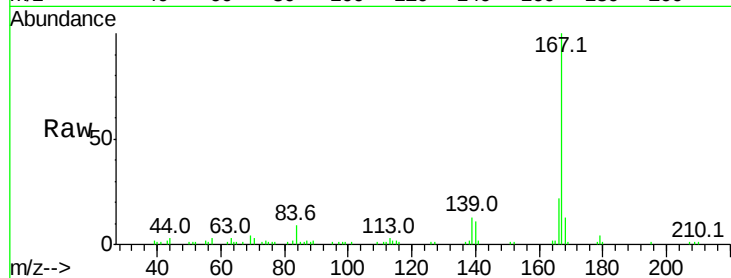
ClientSampleId :

D9G76

Tot Ion:	167	Resp:	80461
Ion Ratio	Lower	Upper	
167	100		
166	21.7	16.8	25.2
139	13.4	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 88.95 ng/ul

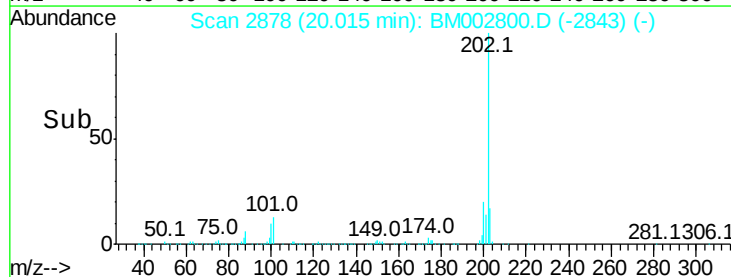
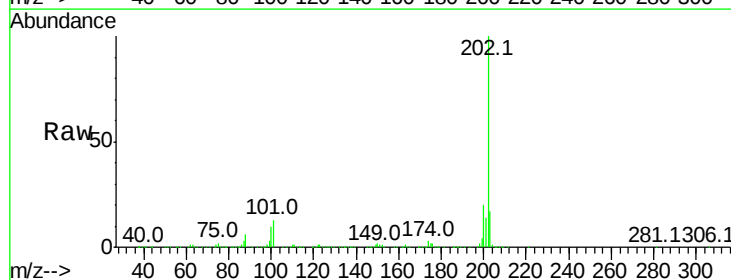
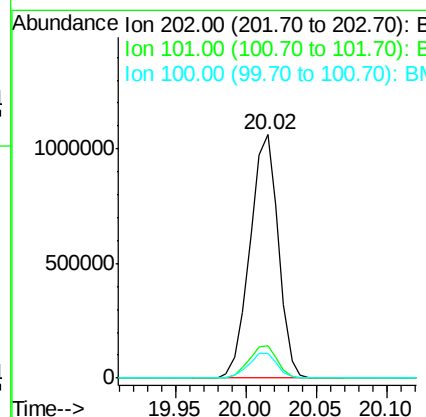
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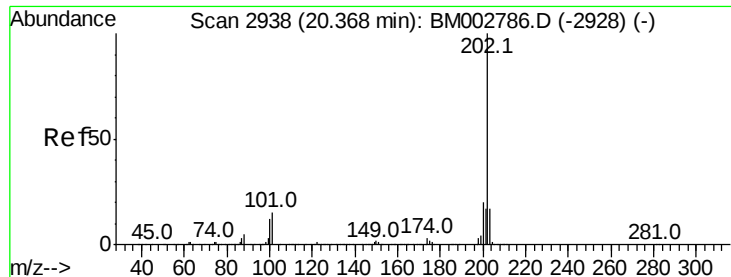
Delta R.T. 0.01 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Tgt Ion:	202	Resp:	1495720
Ion Ratio	Lower	Upper	
202	100		
101	13.3	11.0	16.4
100	10.1	8.3	12.5





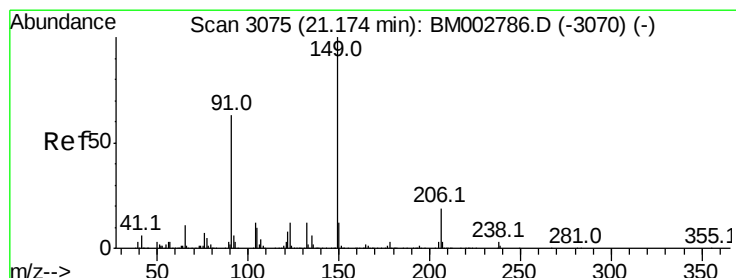
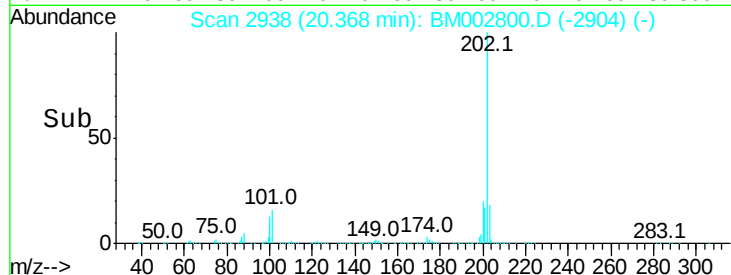
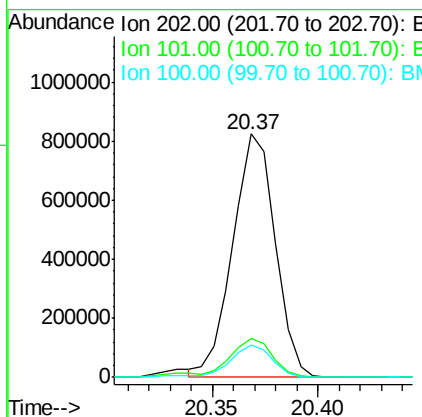
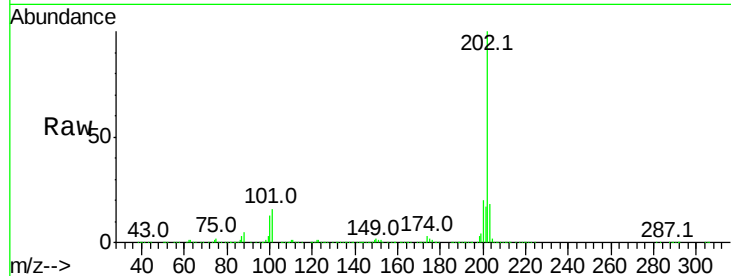
#80
Pvrene
Concen: 63.15 ng/ul
RT: 20.37 min Scan# 2938
Delta R.T. 0.00 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Instrument :
BNA_M
ClientSampleId :
D9G76

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.1	12.1	18.1
100	13.4	10.2	15.4

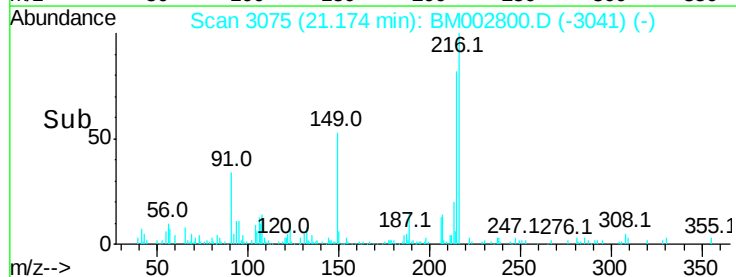
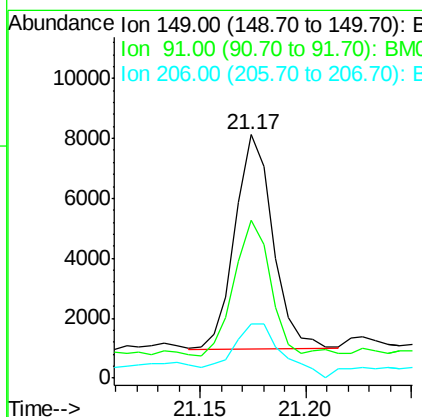
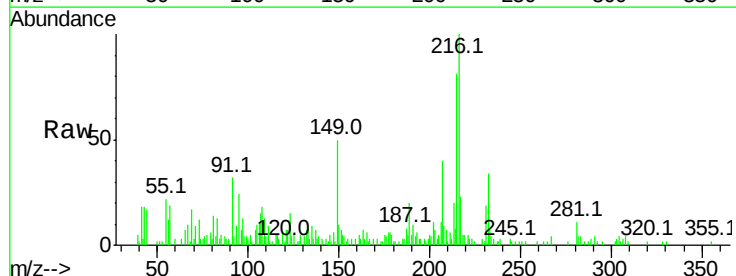
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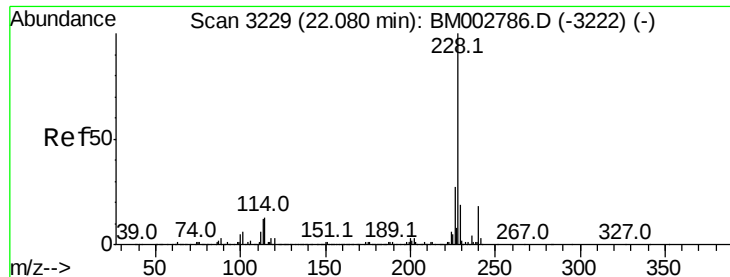
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#81
Butylbenzylphthalate
Concen: 1.10 ng/ul
RT: 21.17 min Scan# 3075
Delta R.T. 0.00 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.7	49.0	73.6
206	22.3	16.0	24.0





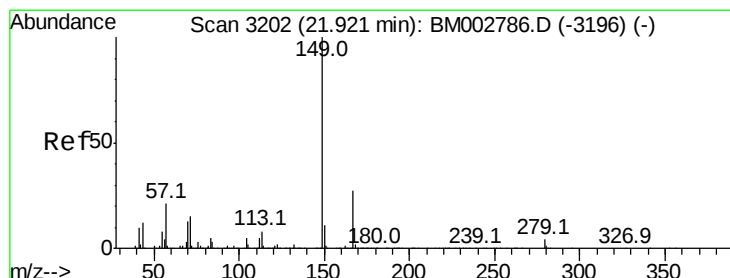
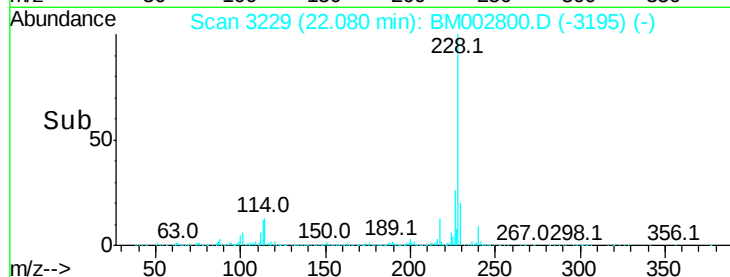
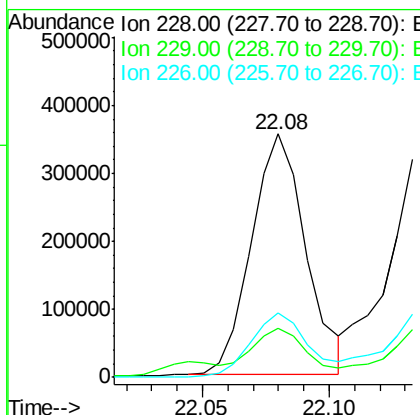
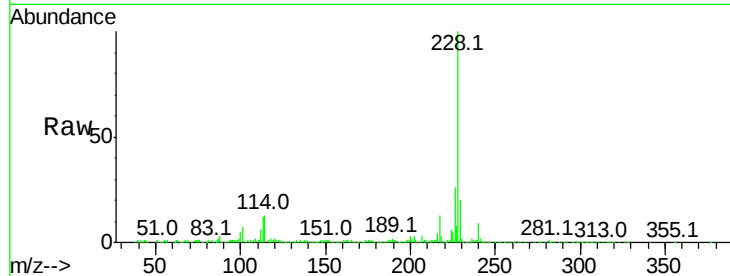
#83
Benzo(a)anthracene
Concen: 31.24 ng/ul
RT: 22.08 min Scan# 3229
Delta R.T. 0.00 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Instrument :
BNA_M
ClientSampleId :
D9G76

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.9	16.1	24.1
226	26.2	20.9	31.3

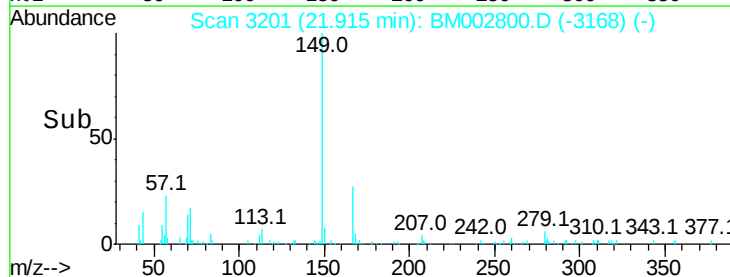
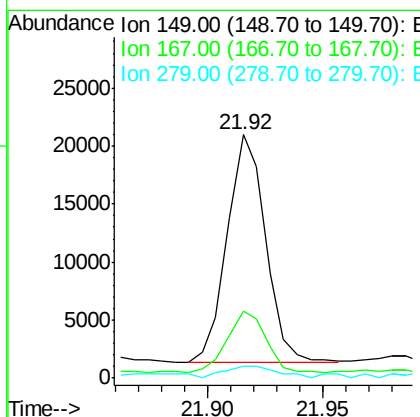
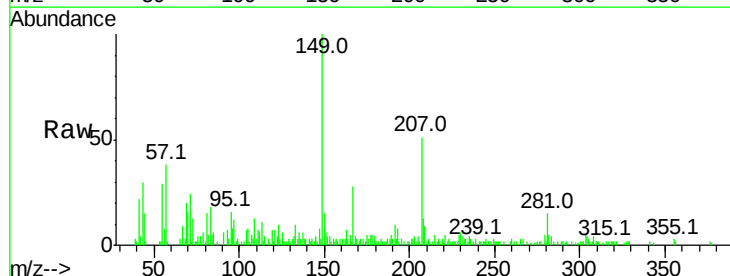
Manual Integrations
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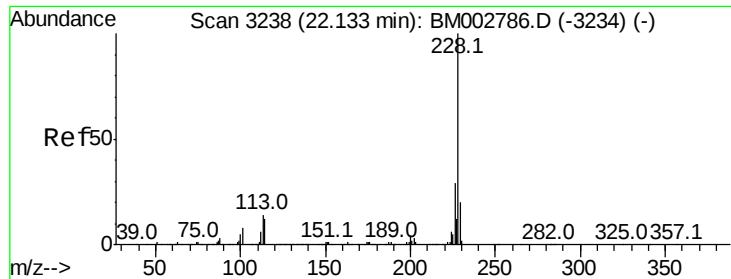
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#84
Bis(2-ethylhexyl)phthalate
Concen: 1.86 ng/ul
RT: 21.92 min Scan# 3201
Delta R.T. -0.01 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.7	32.5
279	5.1	3.0	4.6





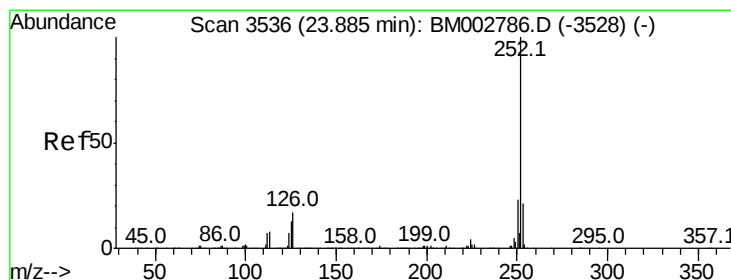
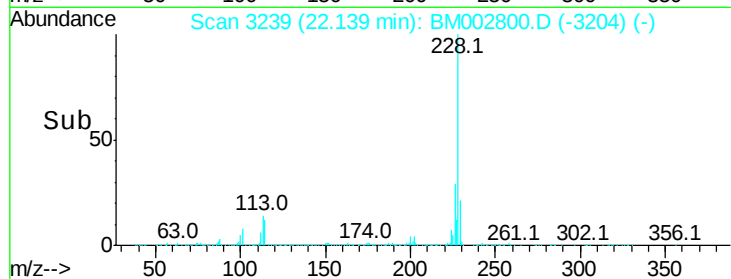
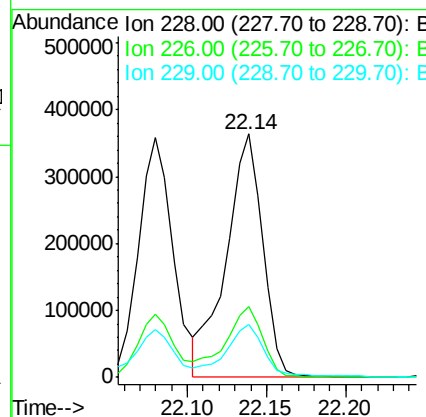
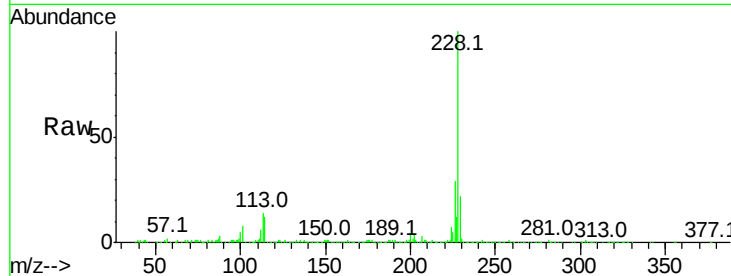
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 Chrvsene
 Concen: 36.11 ng/ul
 RT: 22.14 min Scan# 3239
 Delta R.T. 0.01 min
 Lab File: BM002800.D
 Acq: 01 Oct 2015 02:14

Instrument :
 BNA_M
 ClientSampleId :
 D9G76

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.4	33.6
229	21.6	15.4	23.2

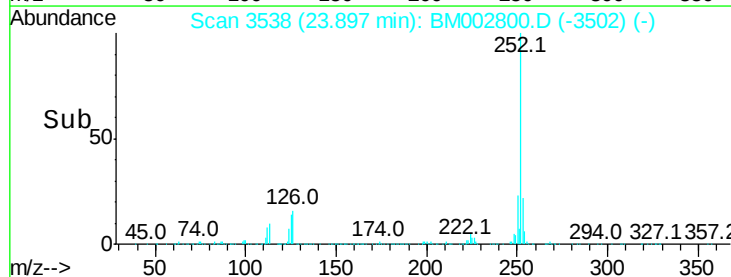
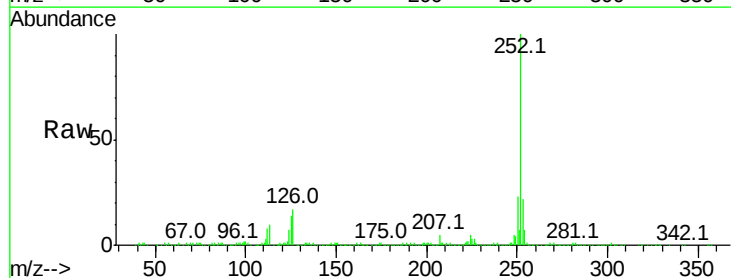
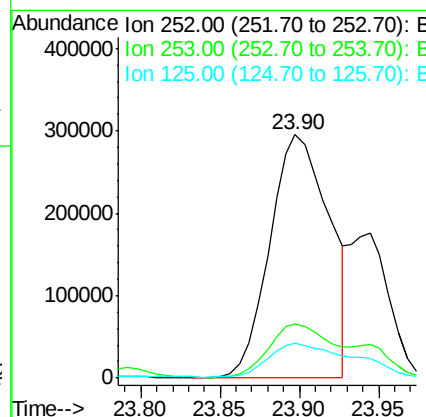
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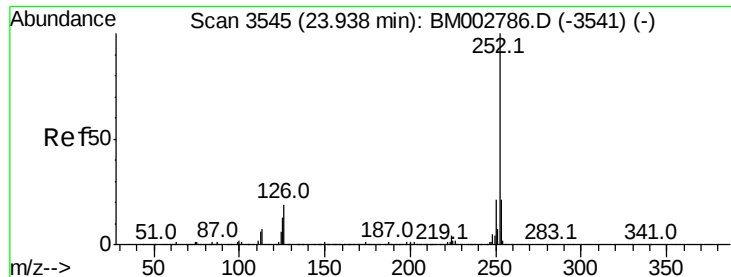
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#88
 Benzo(b)fluoranthene
 Concen: 41.77 ng/ul
 RT: 23.90 min Scan# 3538
 Delta R.T. 0.01 min
 Lab File: BM002800.D
 Acq: 01 Oct 2015 02:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	14.4	10.6	15.8





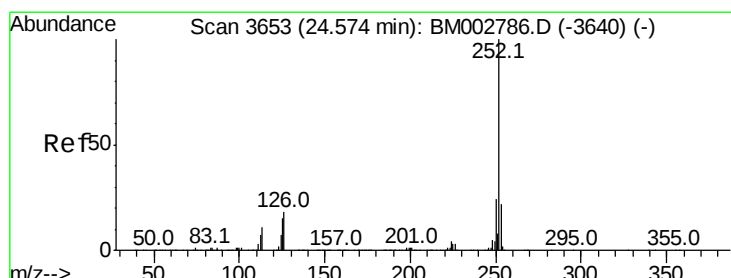
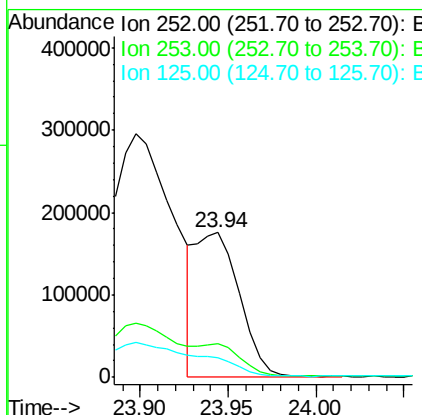
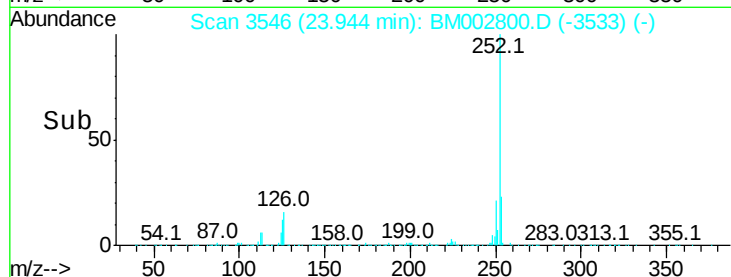
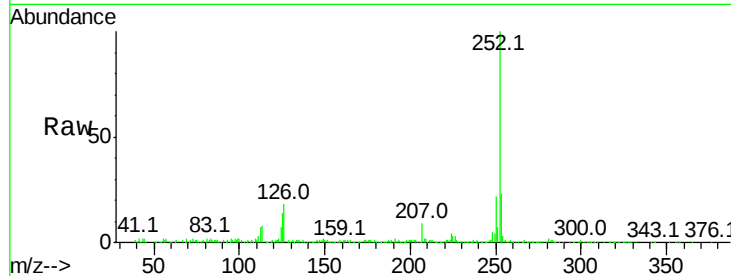
#89
Benzo(k)fluoranthene
Concen: 17.43 ng/ul m
RT: 23.94 min Scan# 3546
Delta R.T. 0.01 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Instrument :
BNA_M
ClientSampleId :
D9G76

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	13.5	10.0	15.0

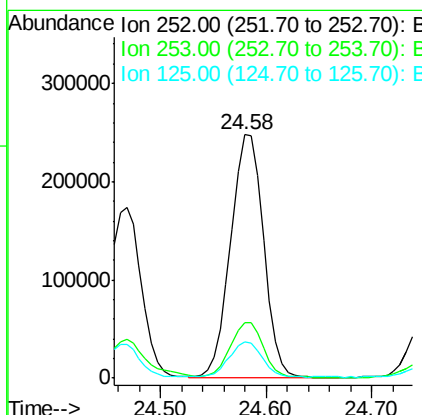
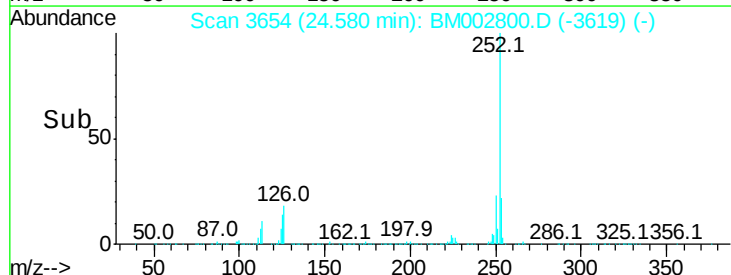
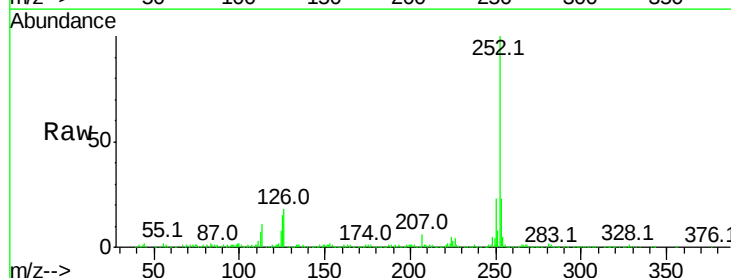
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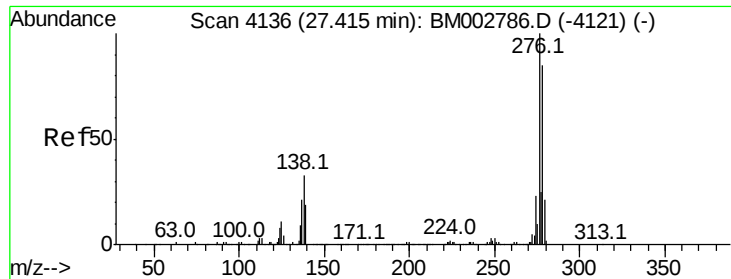
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#91
Benzo(a)pyrene
Concen: 30.16 ng/ul
RT: 24.58 min Scan# 3654
Delta R.T. 0.01 min
Lab File: BM002800.D
Acq: 01 Oct 2015 02:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	14.9	11.4	17.2





#92

Indeno(1,2,3-cd)pyrene

Concen: 19.96 ng/ul

RT: 27.43 min Scan# 4139

Delta R.T. 0.02 min

Lab File: BM002800.D

Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

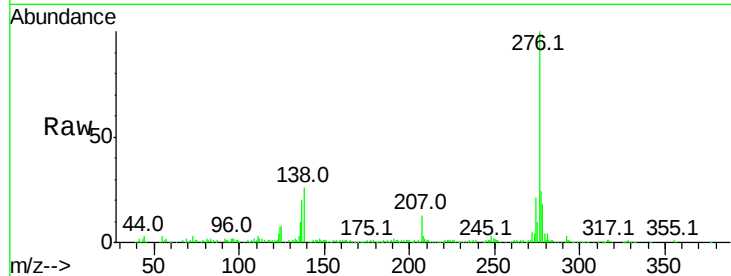
ClientSampleId :

D9G76

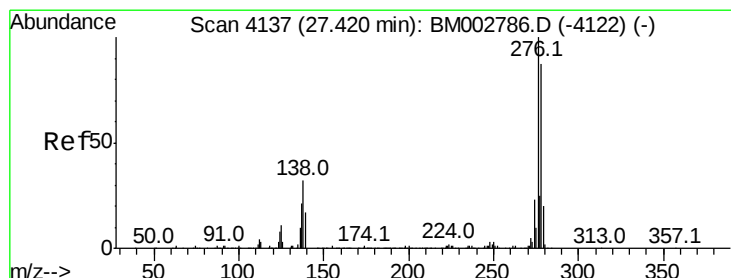
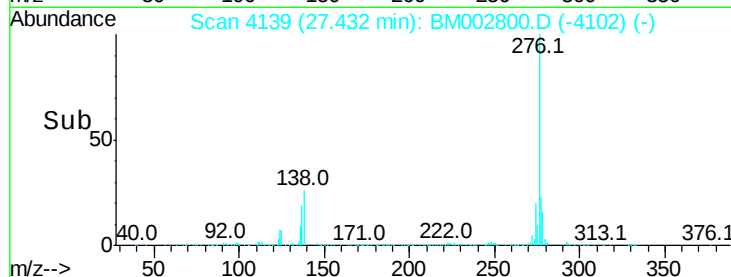
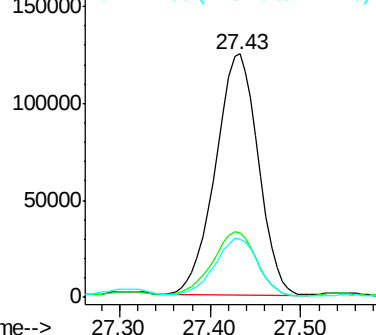
Tot Ion:	276	Resp:	410955
Ion Ratio	Lower	Upper	
276	100		
138	26.4	27.7	41.5#
277	24.1	20.2	30.4

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#93

Dibenzo(a,h)anthracene

Concen: 5.59 ng/ul

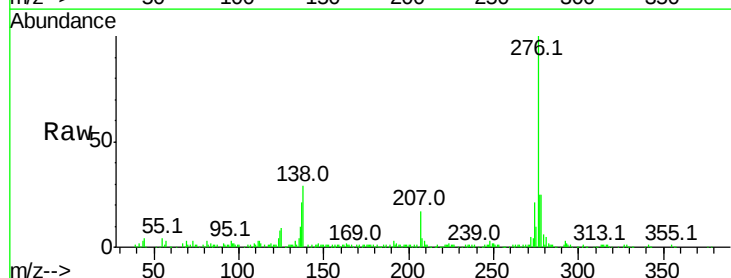
RT: 27.41 min Scan# 4136

Delta R.T. -0.01 min

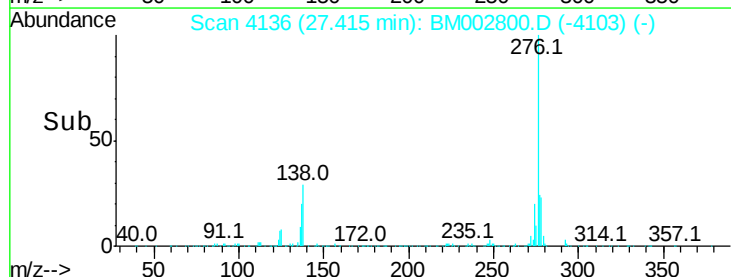
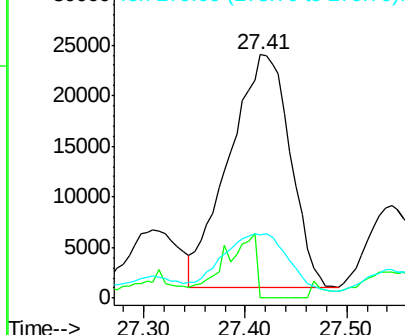
Lab File: BM002800.D

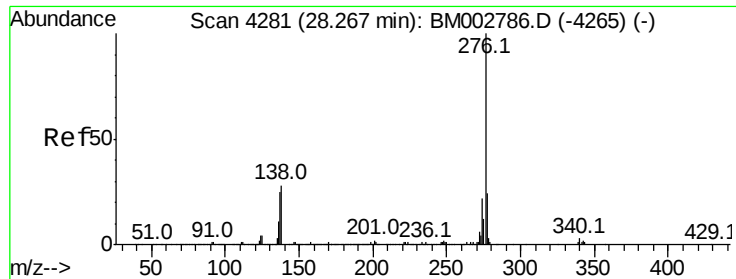
Acq: 01 Oct 2015 02:14

Tgt Ion:	278	Resp:	97260
Ion Ratio	Lower	Upper	
278	100		
139	0.0	17.0	25.6#
279	25.9	19.0	28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 21.39 ng/ul

RT: 28.29 min Scan# 4284

Delta R.T. 0.02 min

Lab File: BM002800.D

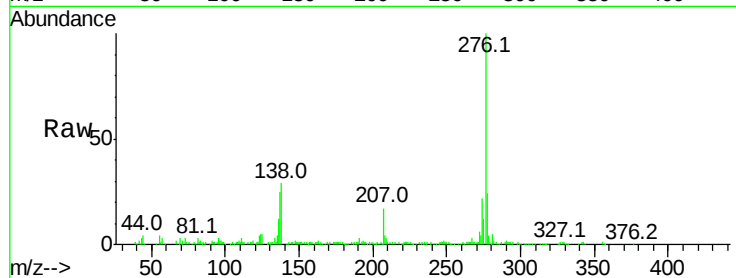
Acq: 01 Oct 2015 02:14

Instrument :

BNA_M

ClientSampleId :

D9G76



Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	21.8	32.8
277	24.4	18.9	28.3

Manual Integrations
APPROVED

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