

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002799.D
 Acq On : 01 Oct 2015 01:37
 Operator : UM/IZ
 Sample : G3798-23
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G75

Manual Integrations
 APPROVED

MMDadoda
 10/1/2015 4:44:21 PM

Quant Time: Oct 01 08:15:46 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	75051	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	301446	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	140248	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	268883	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	279991	20.00	ng/ul	0.00
86) Perylene-d12	24.70	264	305327	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	3688	2.28	ng/uL	0.00
5) Phenol-d5	7.82	99	83960	14.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	49358	15.43	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	77980	14.73	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	61220	13.06	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	37336	16.24	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	38123	15.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	64725m	15.27	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	70341	13.78	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	185935	17.62	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	240527	17.08	ng/ul	0.00
52) 4-Nitrophenol-d4	15.48	143	22427	11.97	ng/ul	0.00
58) Fluorene-d10	16.27	176	159551	16.79	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	4892	3.73	ng/ul	0.00
71) Anthracene-d10	18.11	188	225488	17.57	ng/ul	0.00
79) Pyrene-d10	20.34	212	223483	17.10	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	266786	17.08	ng/ul	0.01

Target Compounds

						Ovalue
28) Naphthalene	11.61	128	18316	1.19	ng/ul	97
45) Dimethylphthalate	14.72	163	121771	11.35	ng/ul	99
48) Acenaphthylene	15.03	152	21345	1.44	ng/ul	99
50) Acenaphthene	15.36	153	56467	5.76	ng/ul	98
54) Dibenzofuran	15.69	168	44149	3.32	ng/ul	99
59) Fluorene	16.33	166	74600	6.84	ng/ul	100
70) Phenanthrene	18.06	178	1364133	87.70	ng/ul	99
72) Anthracene	18.14	178	211025	13.33	ng/ul	99
75) Carbazole	18.40	167	130260	9.42	ng/ul	100
77) Fluoranthene	20.02	202	2432190	151.45	ng/ul	99
80) Pyrene	20.37	202	1924007m	108.18	ng/ul	
83) Benzo(a)anthracene	22.08	228	925206	55.59	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.92	149	51211	4.26	ng/ul	99
85) Chrysene	22.14	228	1027541	65.45	ng/ul	96
88) Benzo(b)fluoranthene	23.90	252	1356390	73.95	ng/ul	98
89) Benzo(k)fluoranthene	23.94	252	512497m	29.51	ng/ul	
91) Benzo(a)pyrene	24.59	252	890226	50.53	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	27.44	276	691080	33.62	ng/ul#	92
93) Dibenzo(a,h)anthracene	27.43	278	173132m	9.97	ng/ul	
94) Benzo(g,h,i)perylene	28.30	276	587032	33.92	ng/ul	98

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

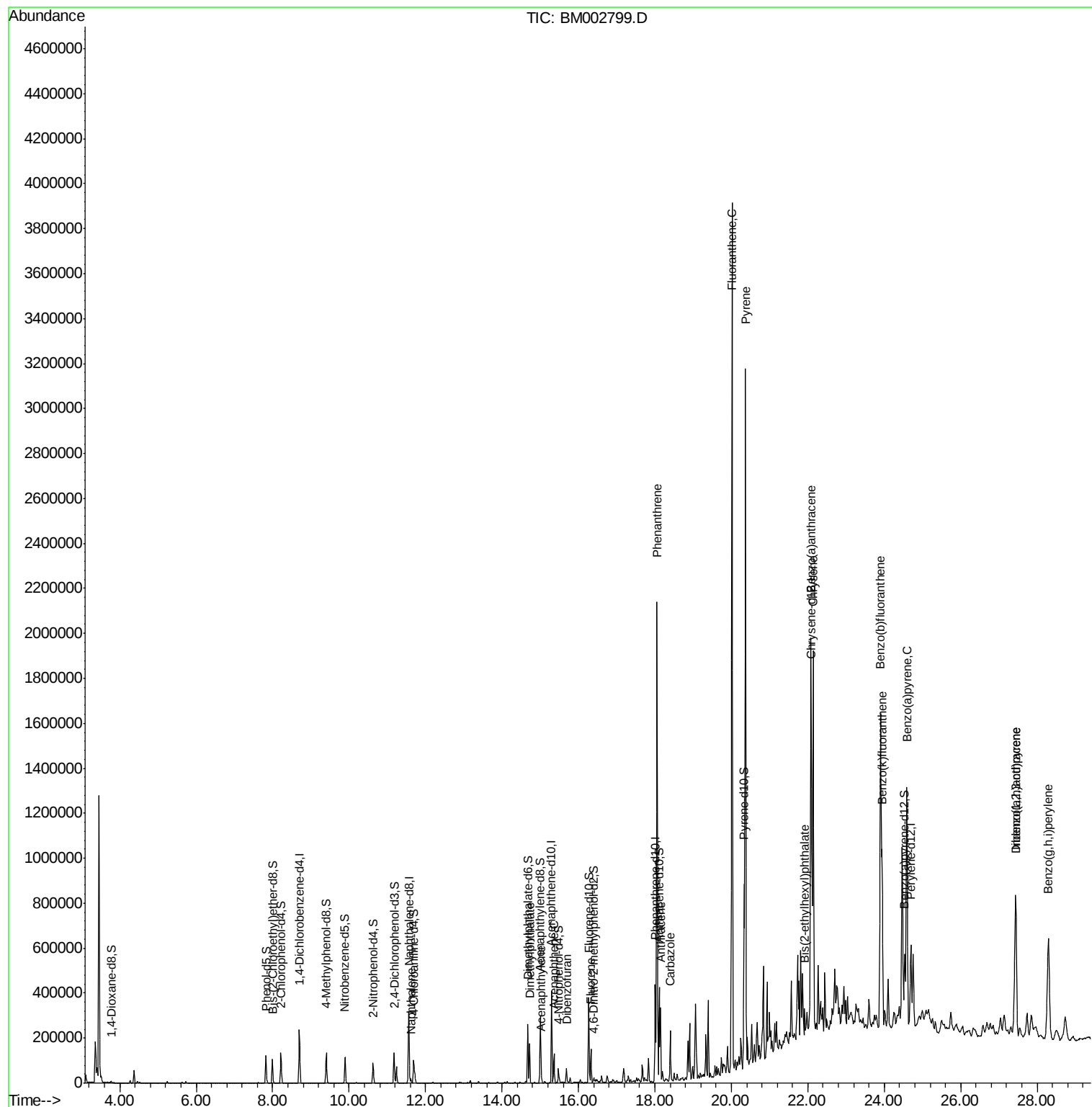
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002799.D
Acq On : 01 Oct 2015 01:37
Operator : UM/IZ
Sample : G3798-23
Misc :
ALS Vial : 15 Sample Multiplier: 1

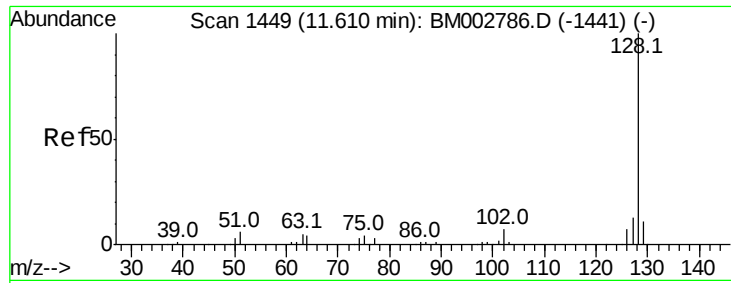
Instrument :
BNA_M
ClientSampleId :
D9G75

Manual Integrations
APPROVED

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





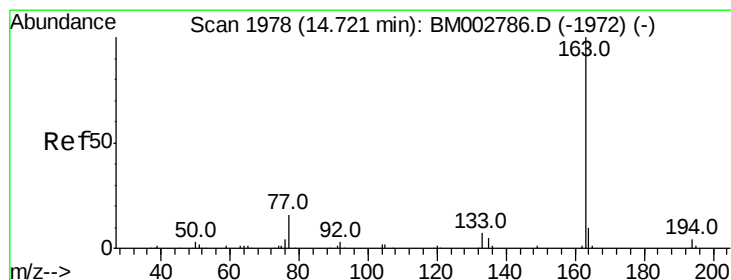
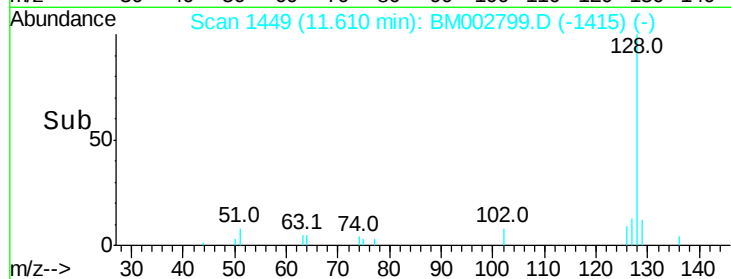
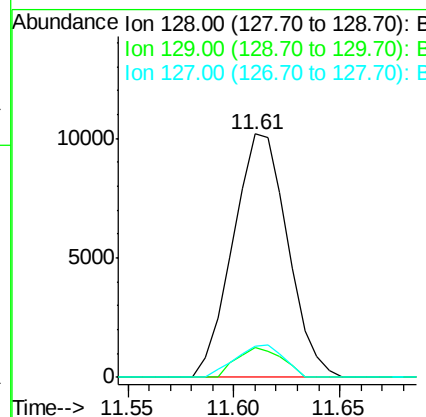
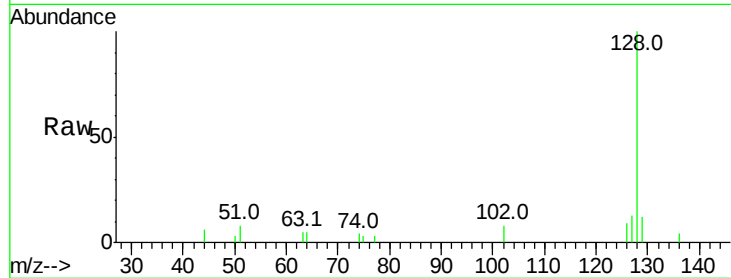
#28
Naphthalene
Concen: 1.19 ng/ul
RT: 11.61 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Instrument :
BNA_M
ClientSampled :
D9G75

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.7	13.1
127	12.9	9.9	14.9

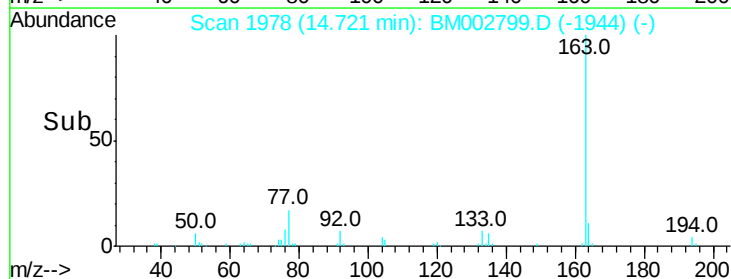
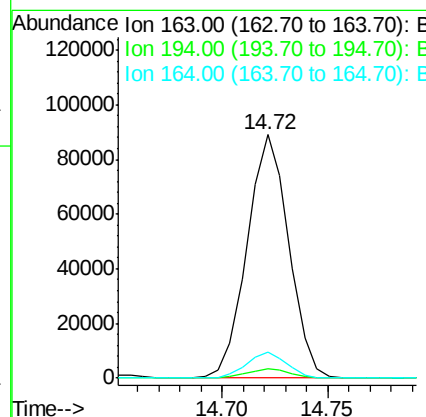
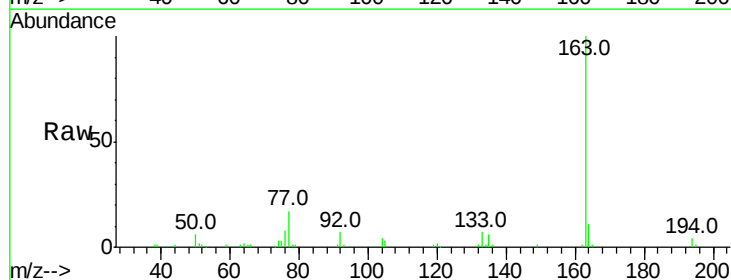
Manual Integrations
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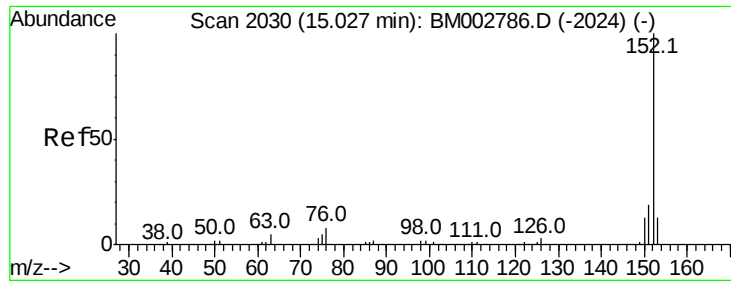
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#45
Dimethylphthalate
Concen: 11.35 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.5	8.1	12.1





#48

Acenaphthylene

Concen: 1.44 ng/ul

RT: 15.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

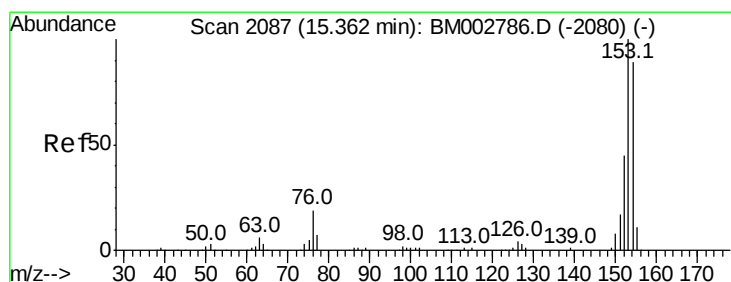
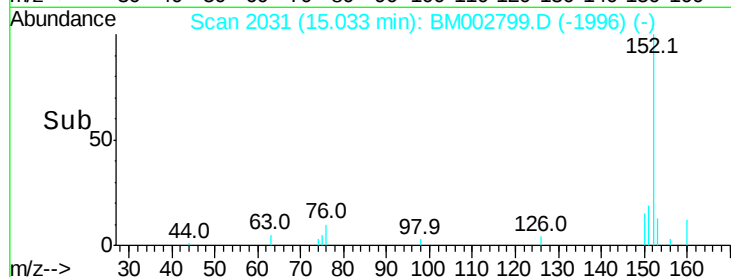
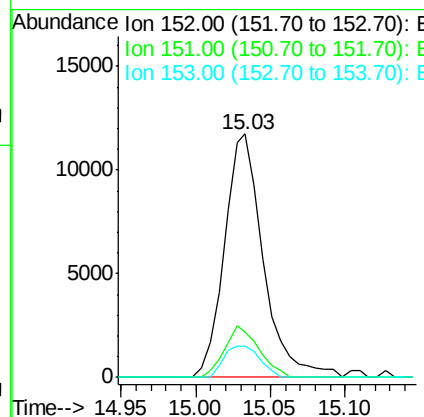
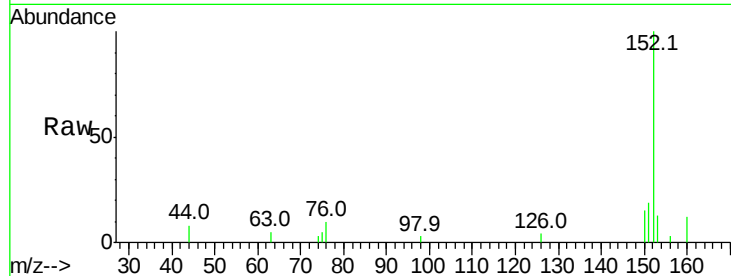
ClientSampleId :

D9G75

Tot Ion:	152	Resp:	21345
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.6	23.4
153	13.0	10.4	15.6

Manual Integrations
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#50

Acenaphthene

Concen: 5.76 ng/ul

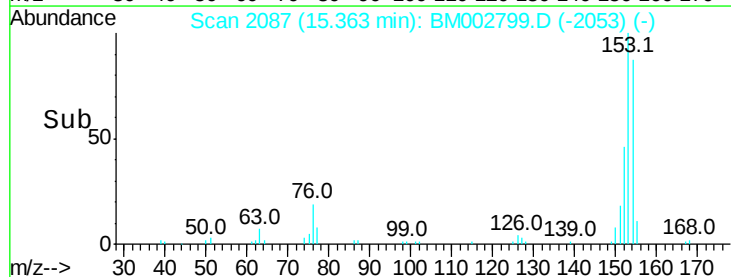
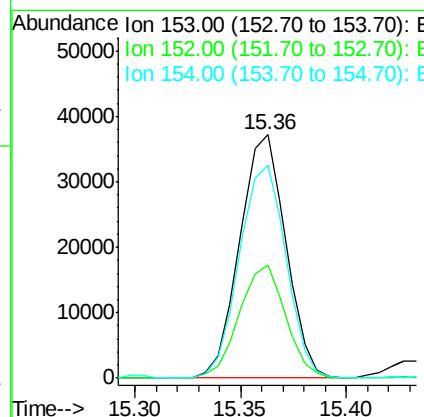
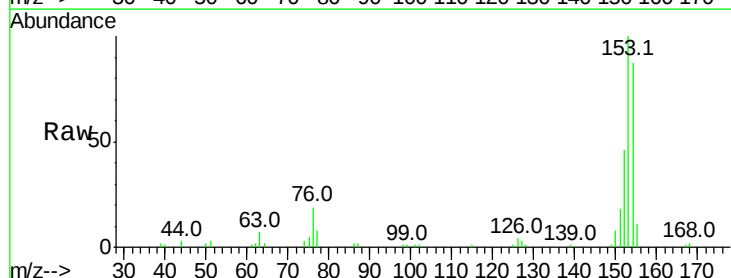
RT: 15.36 min Scan# 2087

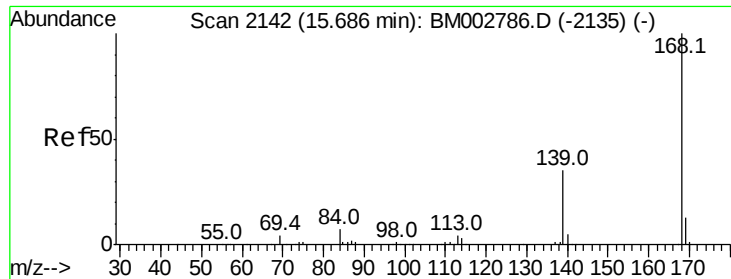
Delta R.T. 0.00 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Tgt Ion:	153	Resp:	56467
Ion Ratio	Lower	Upper	
153	100		
152	46.3	37.2	55.8
154	87.3	71.9	107.9





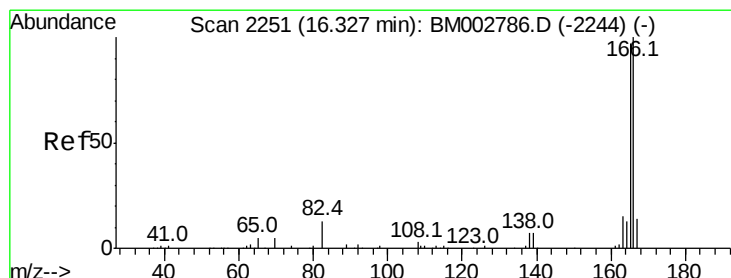
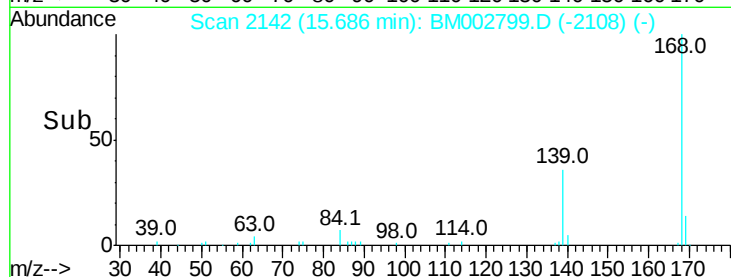
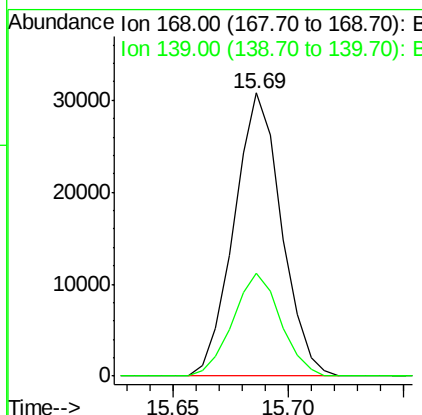
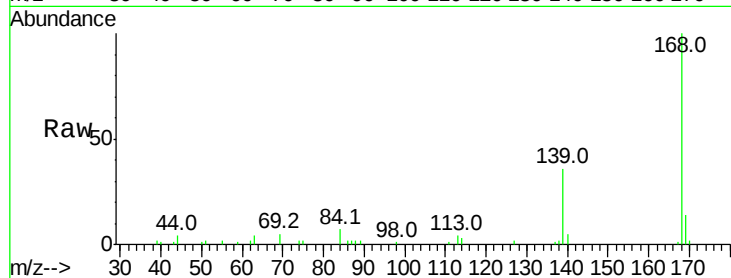
#54
Dibenzenofuran
Concen: 3.32 ng/ul
RT: 15.69 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Instrument :
BNA_M
ClientSampleId :
D9G75

Tot Ion:168 Resp: 44149
Ion Ratio Lower Upper
168 100
139 36.4 28.7 43.1

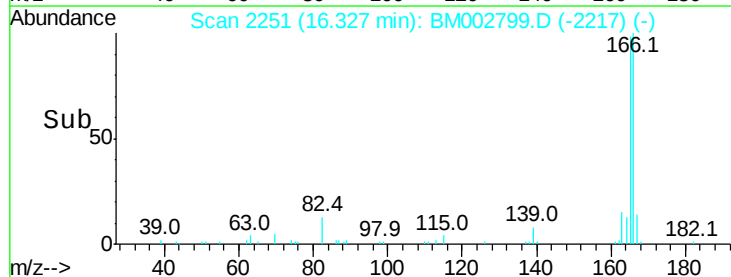
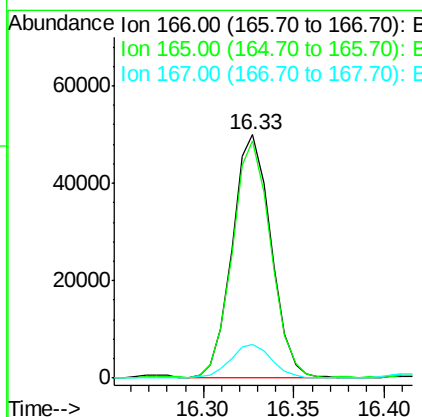
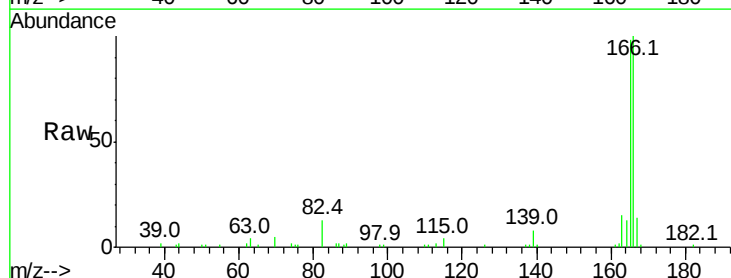
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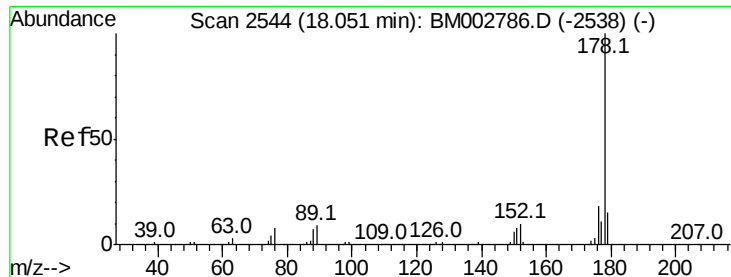
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#59
Fluorene
Concen: 6.84 ng/ul
RT: 16.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Tgt Ion:166 Resp: 74600
Ion Ratio Lower Upper
166 100
165 97.6 78.0 117.0
167 14.0 10.6 16.0





#70

Phenanthrene

Concen: 87.70 ng/ul

RT: 18.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

Tot Ion:178 Resp: 1364133

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	18.8	14.6	22.0

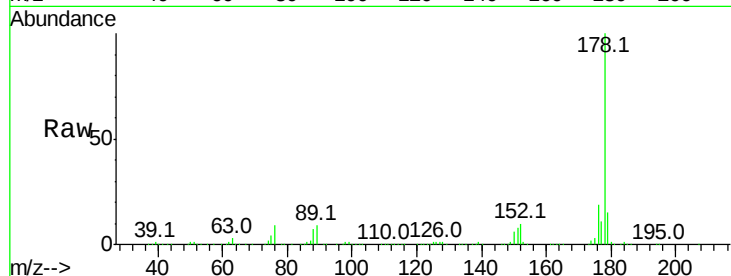
178 100

179 15.4 12.0 18.0

176 18.8 14.6 22.0

Manual Integrations
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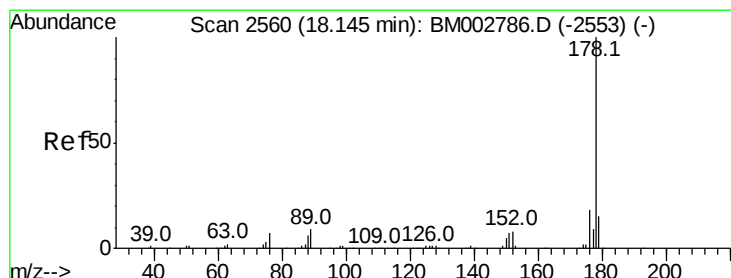
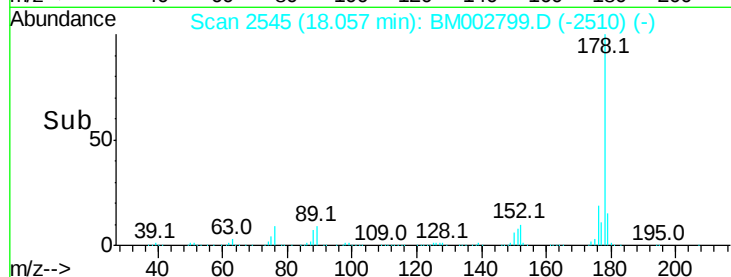
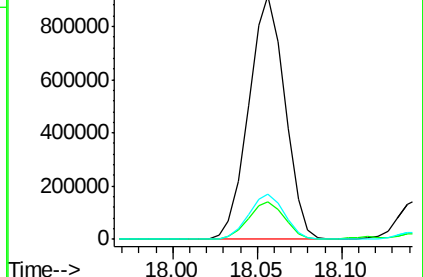
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 13.33 ng/ul

RT: 18.14 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Tgt Ion:178 Resp: 211025

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.9	17.9
176	17.5	14.4	21.6

178 100

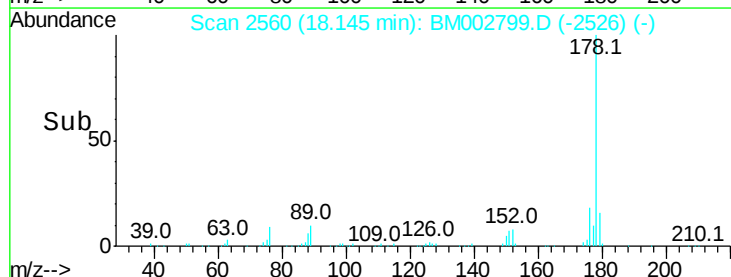
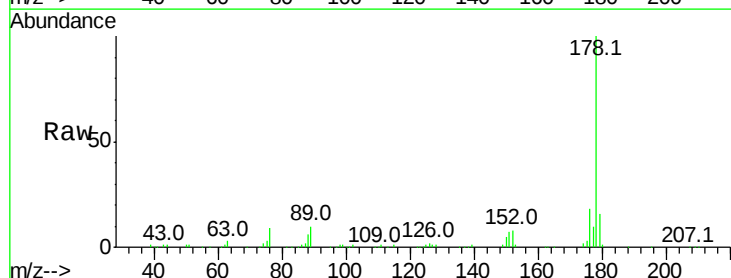
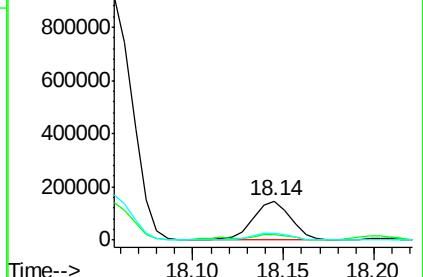
179 15.5 11.9 17.9

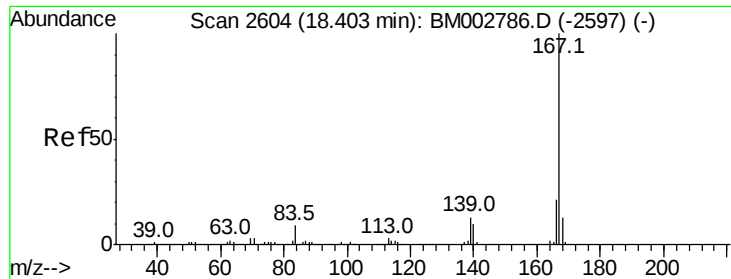
176 17.5 14.4 21.6

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





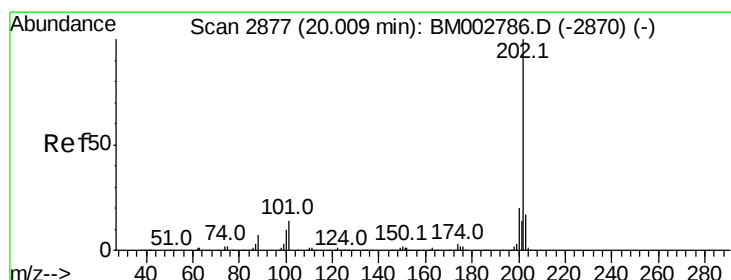
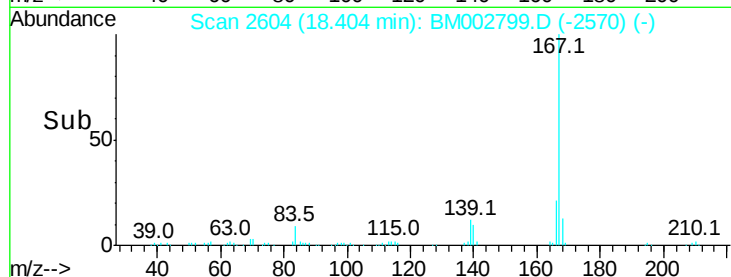
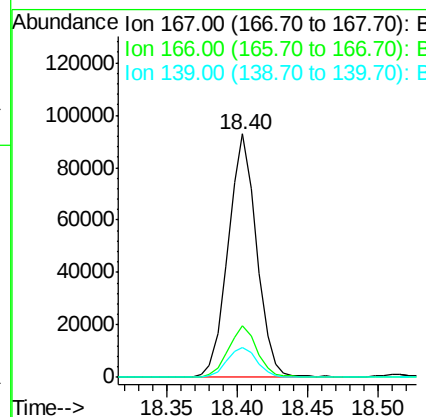
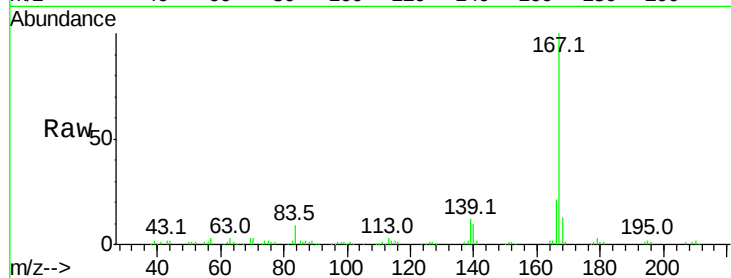
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 Carbazole
 Concen: 9.42 ng/ul
 RT: 18.40 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: BM002799.D
 Acq: 01 Oct 2015 01:37

Instrument :
 BNA_M
 ClientSampleId :
 D9G75

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.8	25.2
139	12.4	10.1	15.1

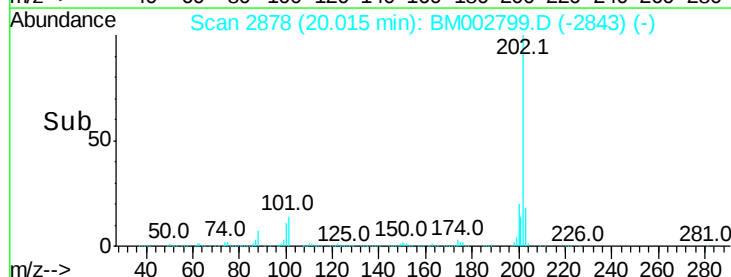
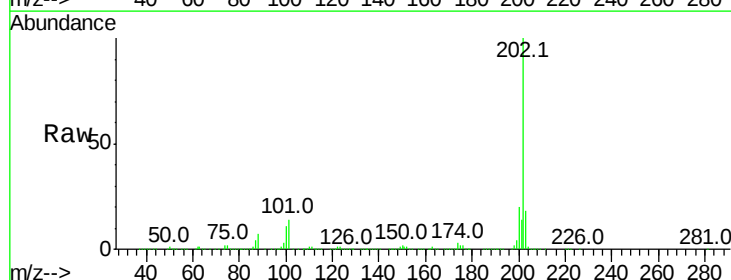
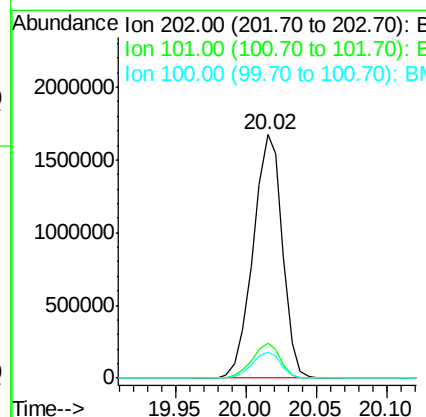
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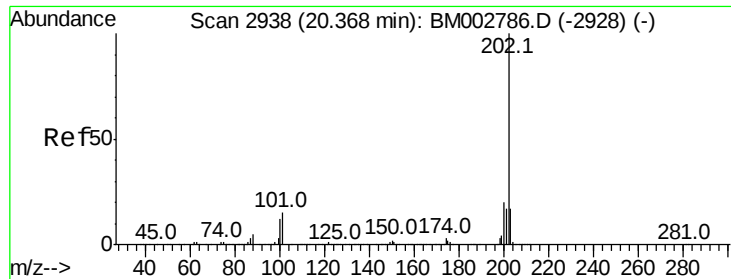
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#77
 Fluoranthene
 Concen: 151.45 ng/ul
 RT: 20.02 min Scan# 2878
 Delta R.T. 0.01 min
 Lab File: BM002799.D
 Acq: 01 Oct 2015 01:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	11.0	16.4
100	10.9	8.3	12.5





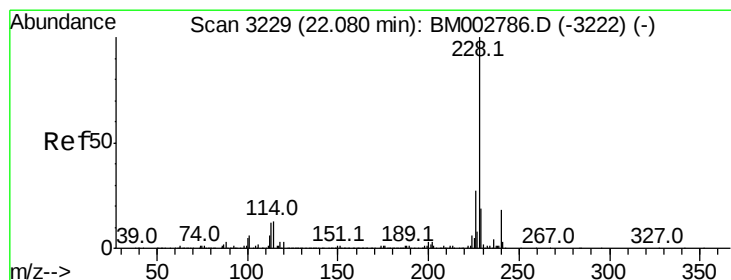
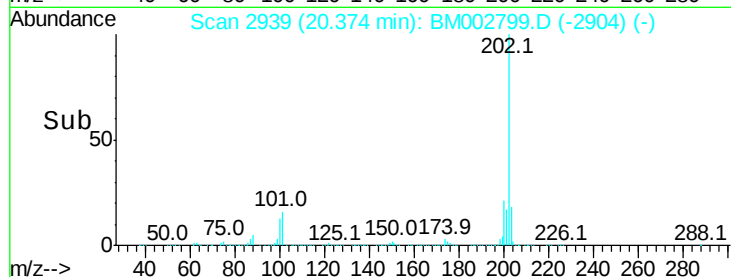
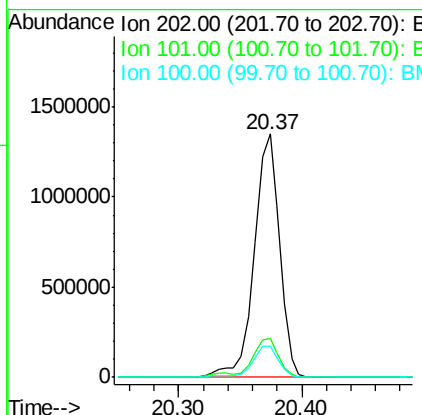
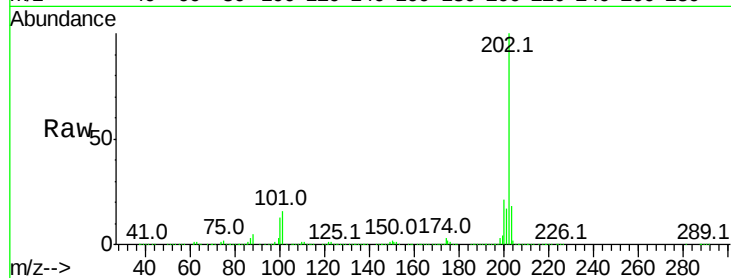
#80
Pvrene
Concen: 108.18 ng/ul m
RT: 20.37 min Scan# 2939
Delta R.T. 0.01 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Instrument :
BNA_M
ClientSampleId :
D9G75

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.9	12.1	18.1
100	13.0	10.2	15.4

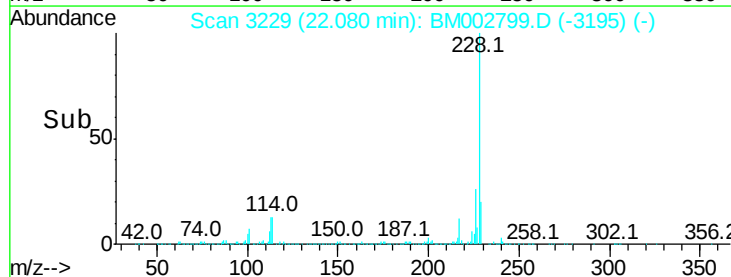
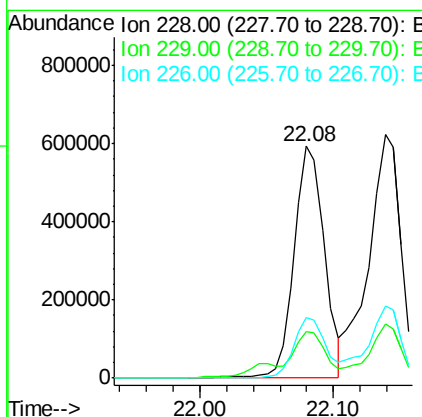
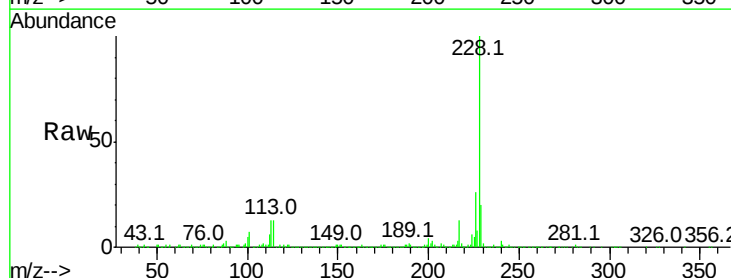
Manual Integrations
APPROVED

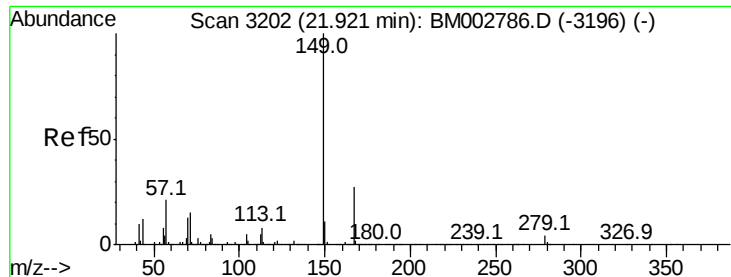
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10/1/2015 4:44:21 PM



#83
Benzo(a)anthracene
Concen: 55.59 ng/ul
RT: 22.08 min Scan# 3229
Delta R.T. 0.00 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.1	24.1
226	26.4	20.9	31.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.26 ng/ul

RT: 21.92 min Scan# 3201

Delta R.T. -0.01 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

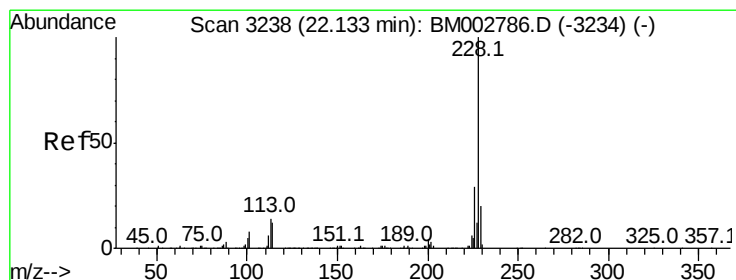
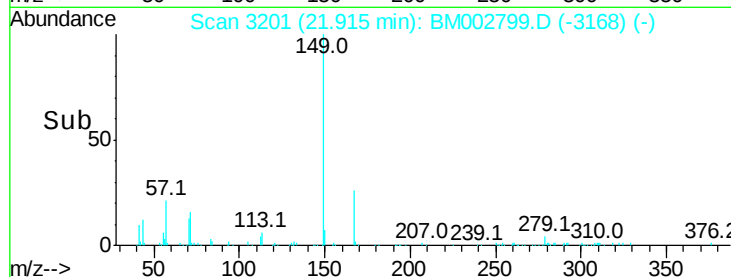
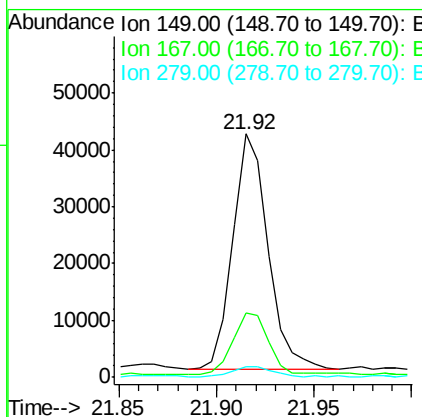
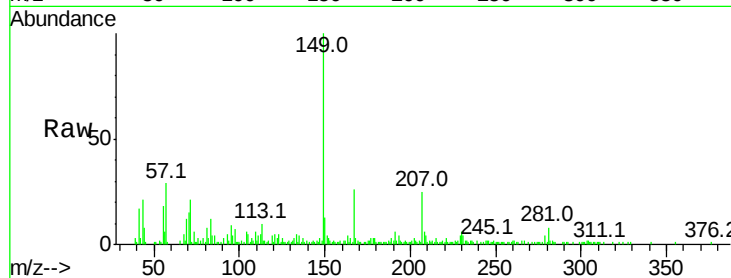
ClientSampled :

D9G75

Tot Ion:	149	Resp:	51211
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.7	32.5
279	4.3	3.0	4.6

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#85

Chrysene

Concen: 65.45 ng/ul

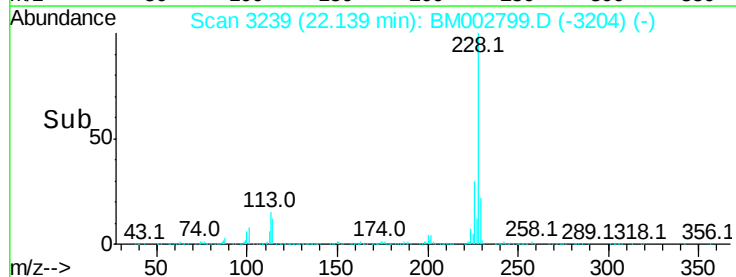
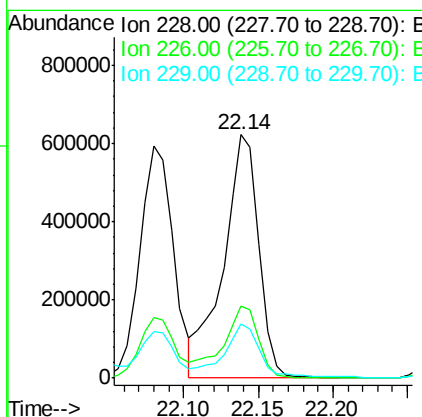
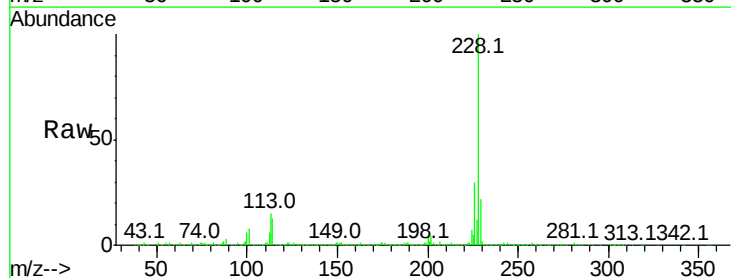
RT: 22.14 min Scan# 3239

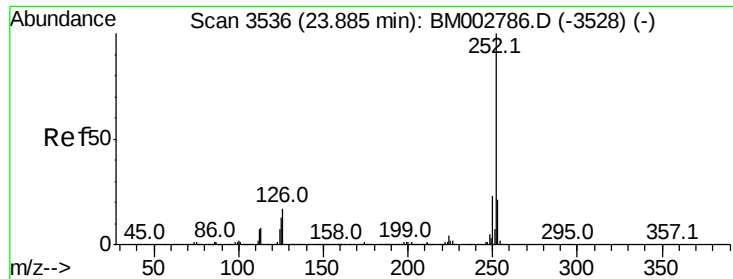
Delta R.T. 0.01 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Tgt Ion:	228	Resp:	1027541
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.4	33.6
229	22.1	15.4	23.2





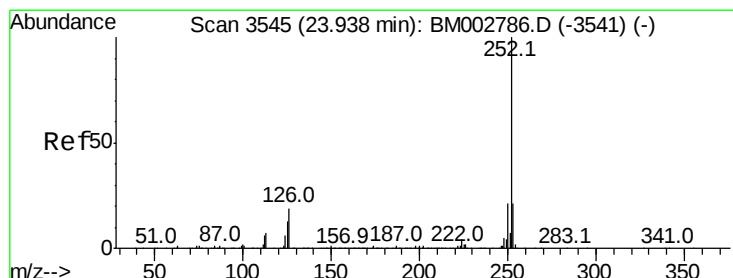
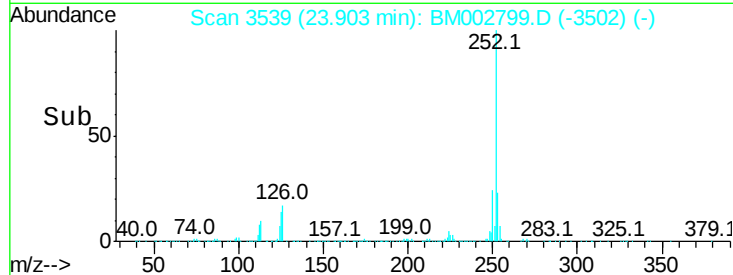
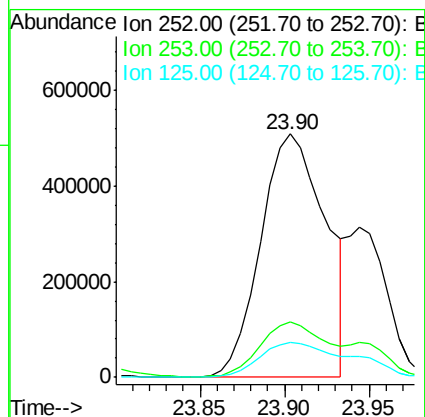
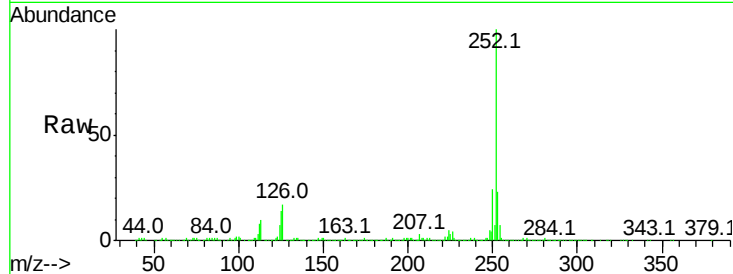
#88
Benzo(b)fluoranthene
Concen: 73.95 ng/ul
RT: 23.90 min Scan# 3539
Delta R.T. 0.02 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Instrument :
BNA_M
ClientSampleId :
D9G75

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	14.2	10.6	15.8

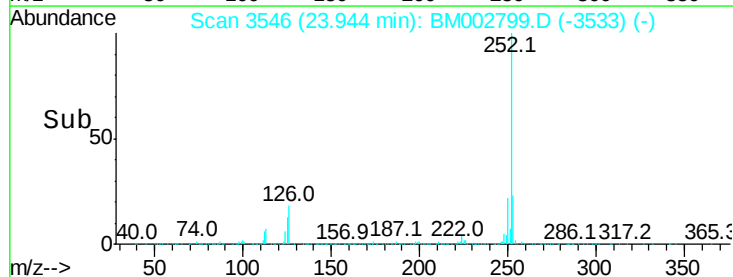
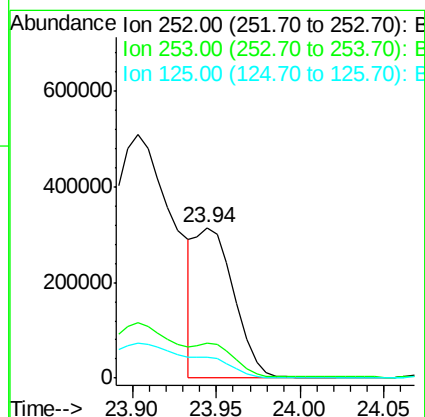
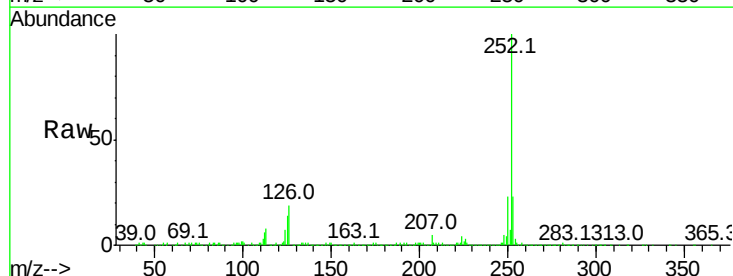
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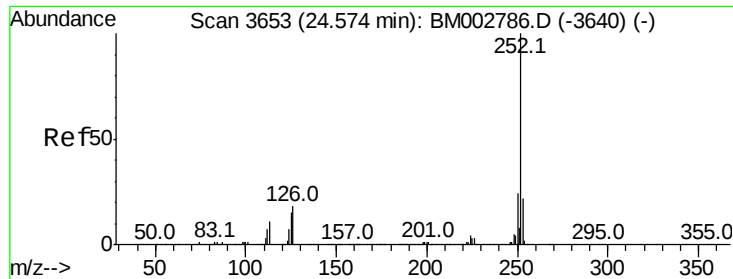
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#89
Benzo(k)fluoranthene
Concen: 29.51 ng/ul m
RT: 23.94 min Scan# 3546
Delta R.T. 0.01 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	14.1	10.0	15.0





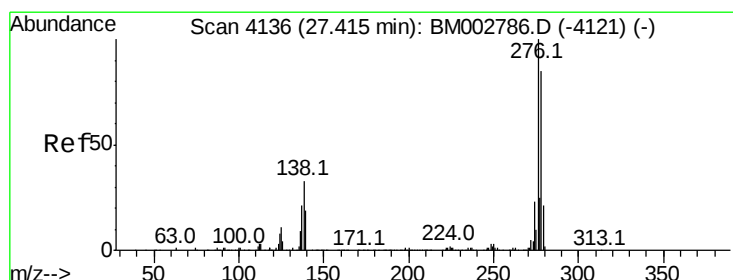
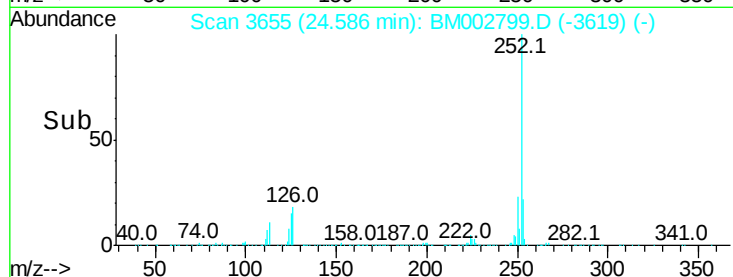
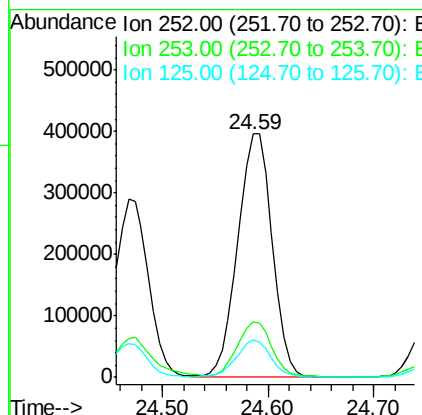
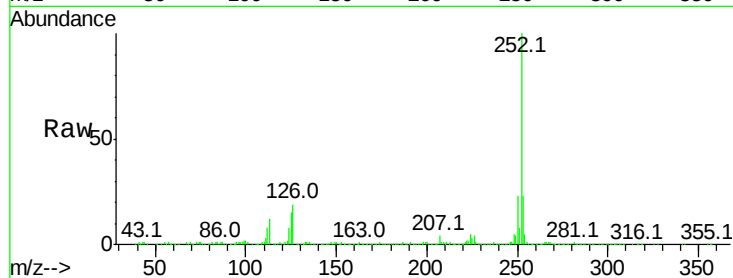
#91
Benzo(a)pyrene
Concen: 50.53 ng/ul
RT: 24.59 min Scan# 3655
Delta R.T. 0.01 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Instrument :
BNA_M
ClientSampleId :
D9G75

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.4	26.0
125	15.2	11.4	17.2

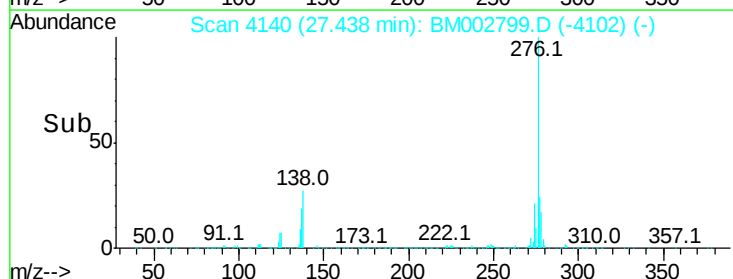
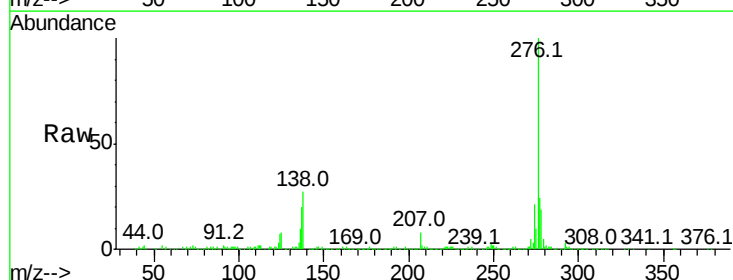
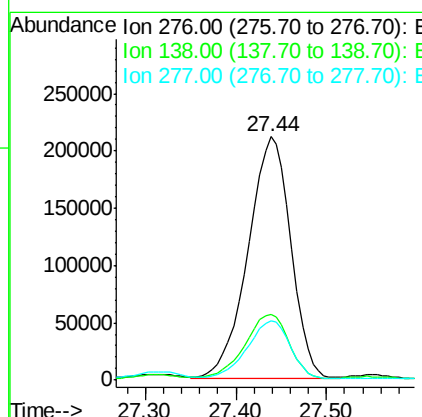
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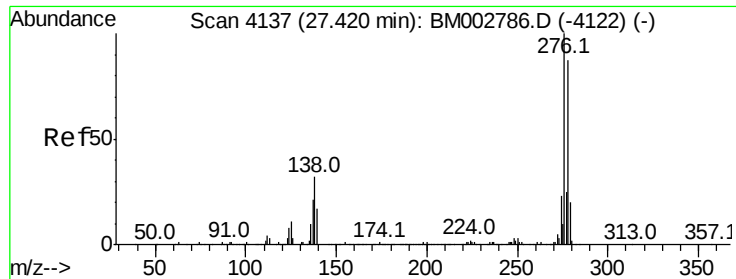
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#92
Indeno(1,2,3-cd)pyrene
Concen: 33.62 ng/ul
RT: 27.44 min Scan# 4140
Delta R.T. 0.02 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	27.2	27.7	41.5#
277	24.3	20.2	30.4





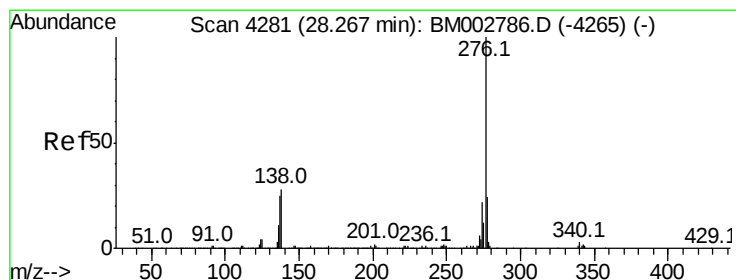
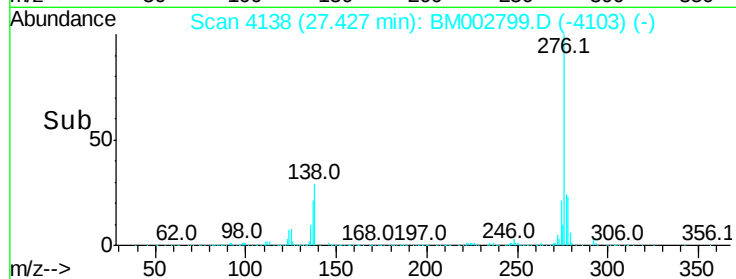
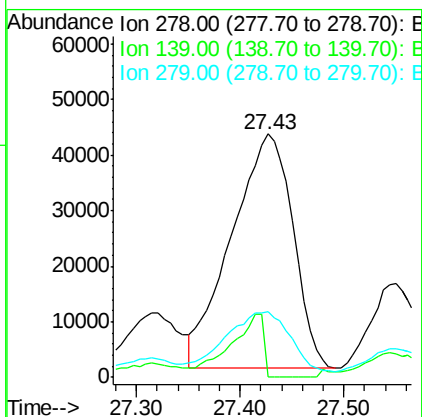
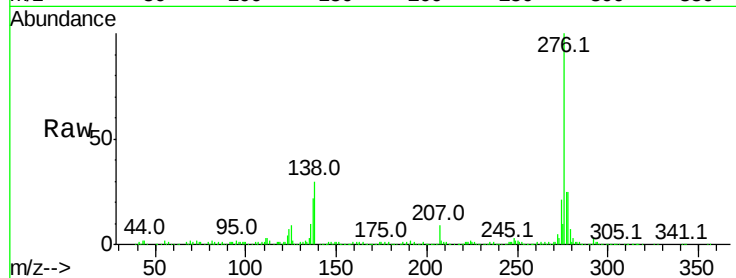
#93
Dibenzo(a,h)anthracene
Concen: 9.97 ng/ul m
RT: 27.43 min Scan# 4138
Delta R.T. 0.01 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Instrument :
BNA_M
ClientSampled :
D9G75

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	17.0	25.6#
279	27.0	19.0	28.6

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 33.92 ng/ul
RT: 28.30 min Scan# 4286
Delta R.T. 0.03 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	21.8	32.8
277	24.8	18.9	28.3

