

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122115\
 Data File : BM003697.D
 Acq On : 22 Dec 2015 03:41
 Operator : UM/SJ
 Sample : G4801-17DL 30X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 G9C65DL

Manual Integrations
 APPROVED

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Quant Time: Dec 24 01:56:37 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 02:40:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	29247	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	121383	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.35	164	65297	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.09	188	139630	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	152959	20.00	ng/ul	0.00
86) Perylene-d12	23.53	264	150680	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.87	99	504	0.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	249	0.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	415	0.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	522	0.24	ng/ul	-0.18
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	10.60	131	706	0.29	ng/ul	-0.02
44) Dimethylphthalate-d6	13.75	166	2587	0.48	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	3034	0.49	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.34	176	2868	0.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.19	188	4055	0.64	ng/ul	0.00
79) Pyrene-d10	19.49	212	4537	0.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.39	264	4269	0.57	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.53	128	211767	33.86	ng/ul	100
34) 2-Methylnaphthalene	12.15	142	167507	35.87	ng/ul	99
48) Acenaphthylene	14.06	152	36244	5.39	ng/ul#	91
50) Acenaphthene	14.41	153	54417	12.13	ng/ul	100
54) Dibenzofuran	14.75	168	10954	1.71	ng/ul#	76
59) Fluorene	15.40	166	49360	9.60	ng/ul	98
70) Phenanthrene	17.14	178	241376	31.25	ng/ul	100
72) Anthracene	17.23	178	61760	7.84	ng/ul	99
77) Fluoranthene	19.16	202	77557	8.74	ng/ul	99
80) Pyrene	19.52	202	172411	19.59	ng/ul	100
83) Benzo(a)anthracene	21.27	228	50969m	5.53	ng/ul	
85) Chrysene	21.33	228	54754	6.16	ng/ul	95
88) Benzo(b)fluoranthene	22.86	252	37551m	4.13	ng/ul	
91) Benzo(a)pyrene	23.43	252	41926	4.83	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.79	276	14378	1.54	ng/ul	95
94) Benzo(g,h,i)perylene	26.49	276	15670	2.04	ng/ul	99

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

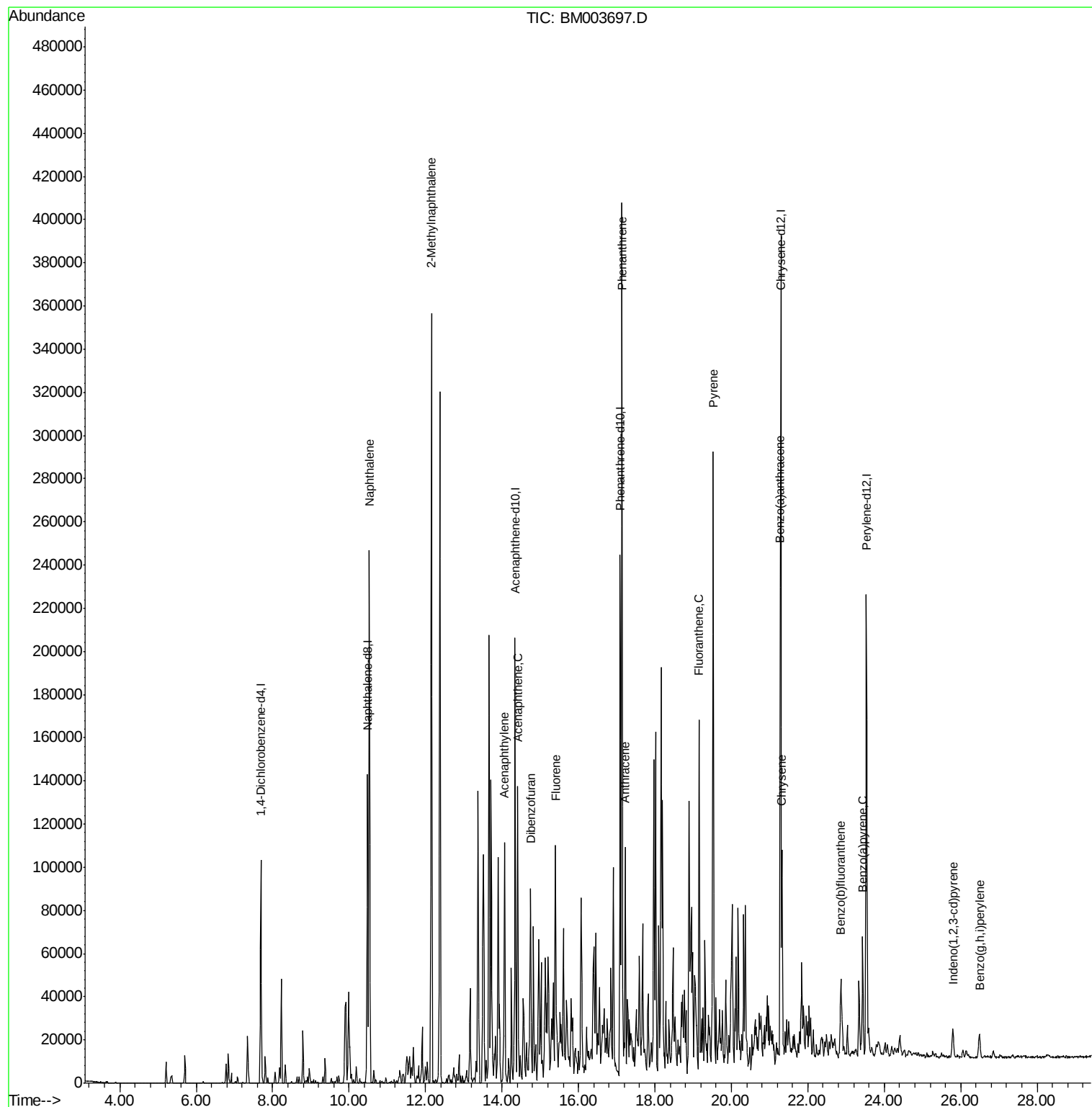
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122115\
Data File : BM003697.D
Acq On : 22 Dec 2015 03:41
Operator : UM/SJ
Sample : G4801-17DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

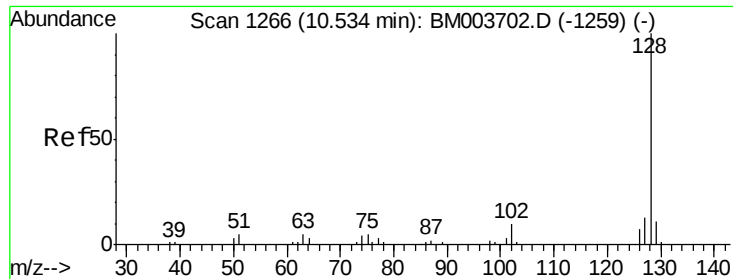
Instrument :
BNA_M
ClientSampleId :
G9C65DL

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Quant Time: Dec 24 01:56:37 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
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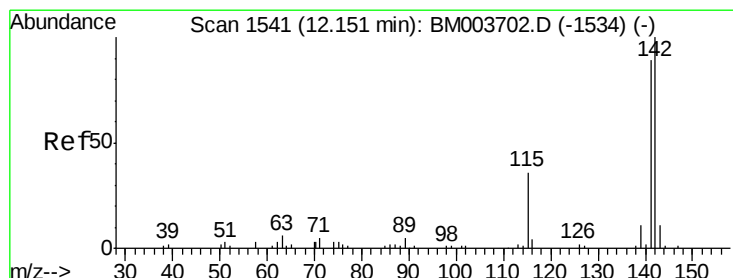
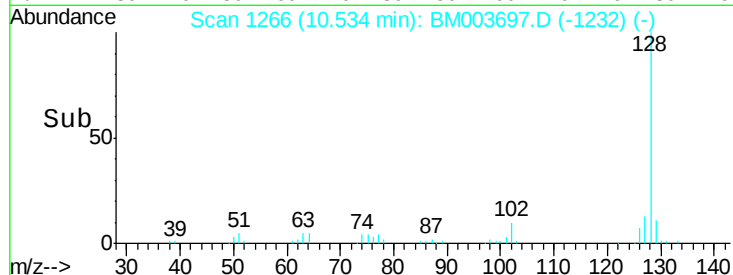
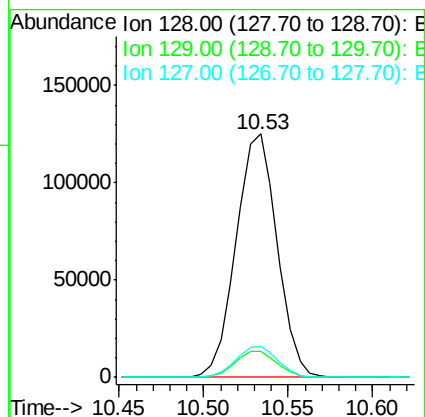
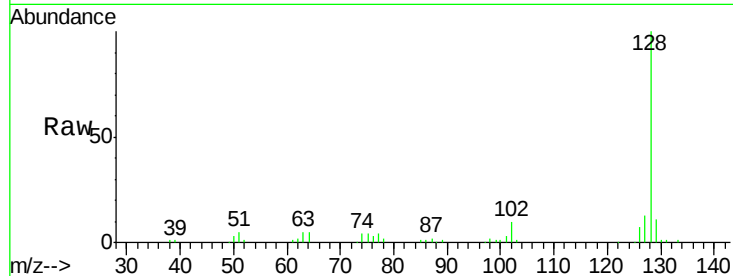
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Naphthalene
Concen: 33.86 ng/ul
RT: 10.53 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Instrument :
BNA_M
ClientSampleId :
G9C65DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.8	8.8	13.2
127	13.0	10.5	15.7

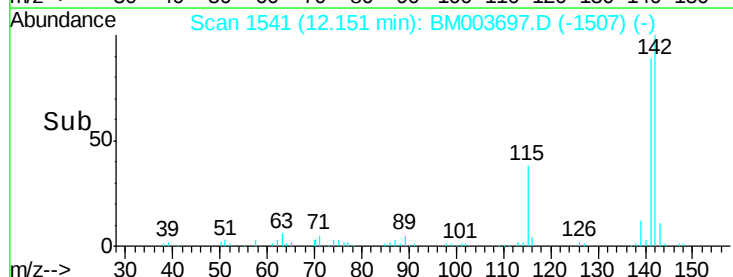
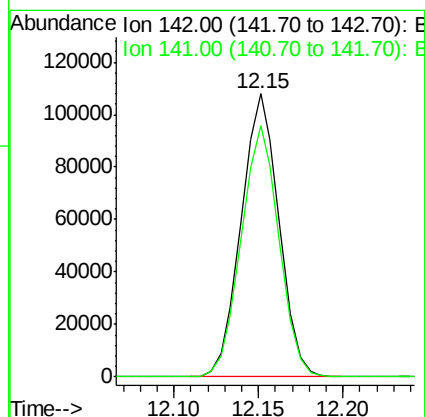
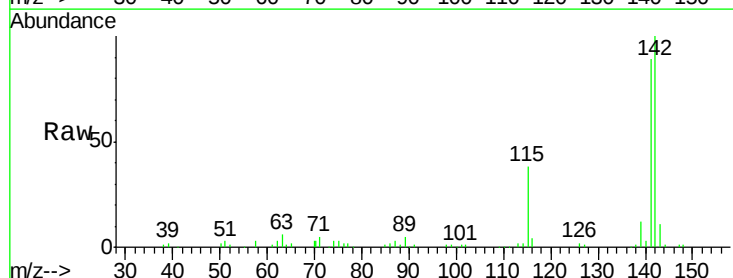
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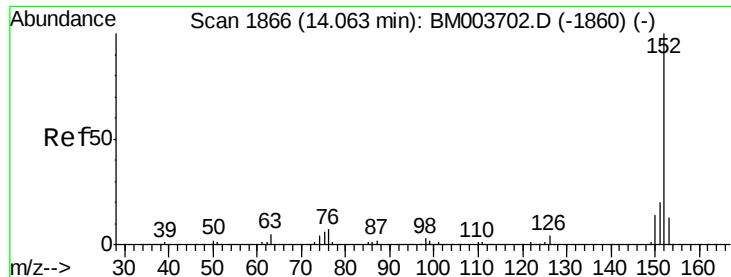
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#34
2-Methylnaphthalene
Concen: 35.87 ng/ul
RT: 12.15 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	88.8	71.6	107.4





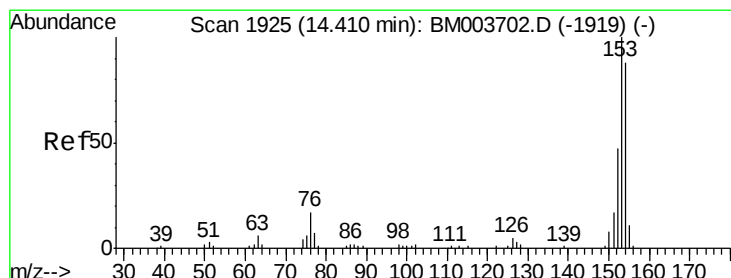
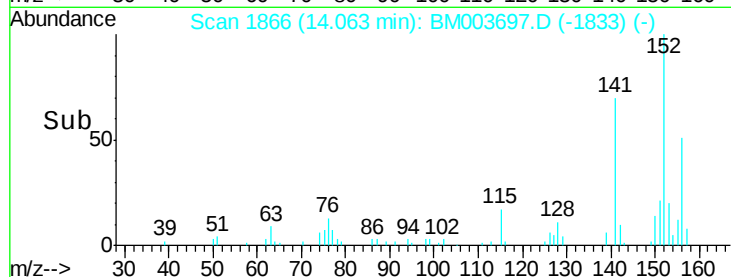
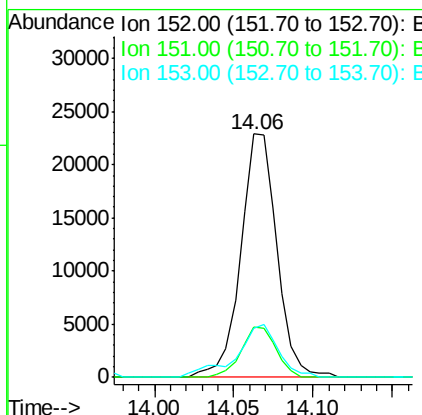
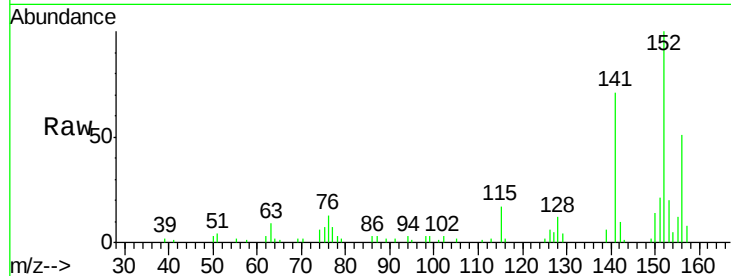
#48
Acenaphthylene
Concen: 5.39 ng/ul
RT: 14.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Instrument :
BNA_M
ClientSampleId :
G9C65DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.7	23.5
153	20.2	10.5	15.7#

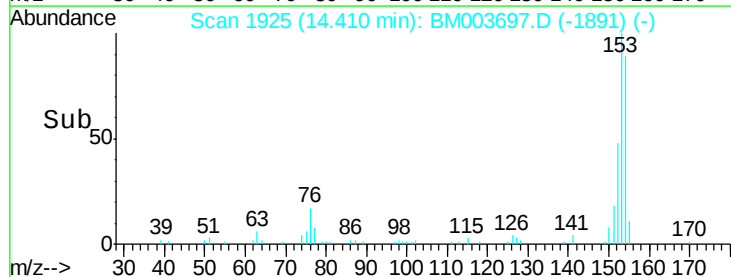
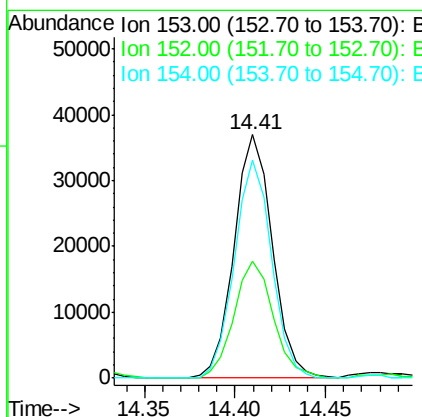
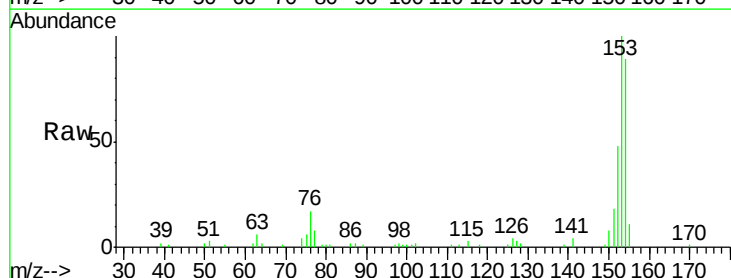
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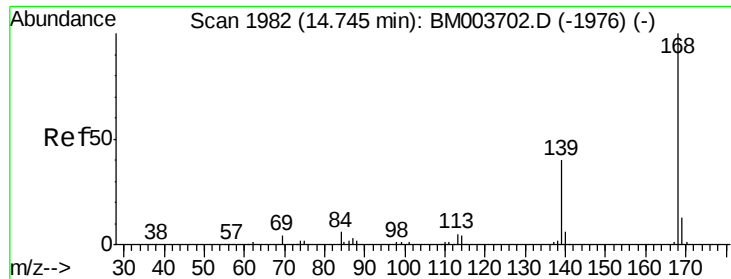
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#50
Acenaphthene
Concen: 12.13 ng/ul
RT: 14.41 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.9	38.3	57.5
154	89.5	71.8	107.8





#54

Dibenzenofuran

Concen: 1.71 ng/ul

RT: 14.75 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

Instrument :

BNA_M

ClientSampleId :

G9C65DL

Tgt Ion:168 Resp: 10954

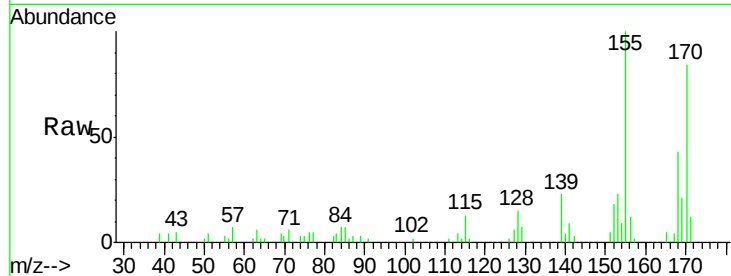
Ion Ratio Lower Upper

168 100

139 55.0 32.2 48.2#

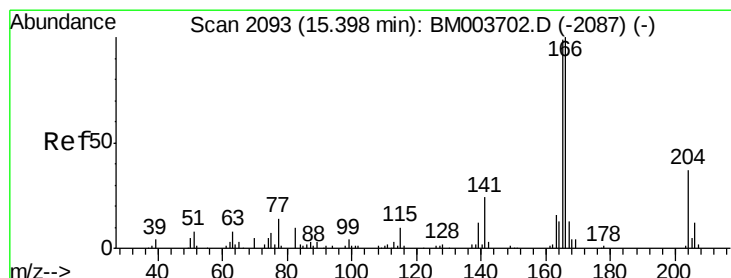
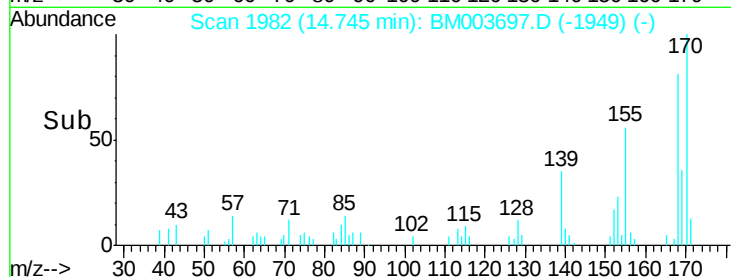
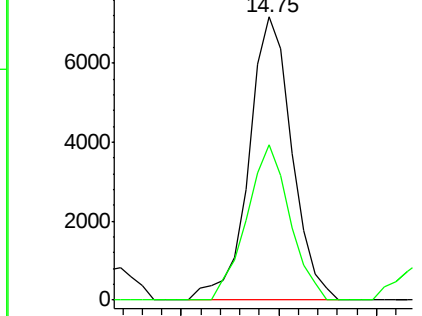
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 9.60 ng/ul

RT: 15.40 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

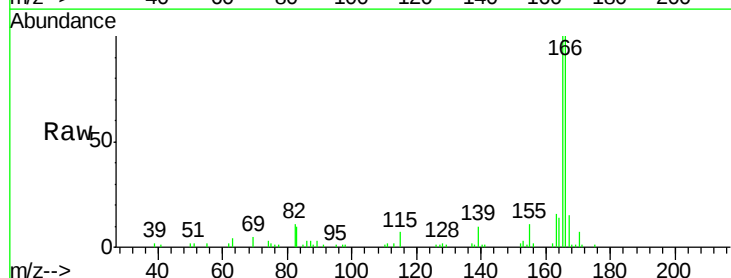
Tgt Ion:166 Resp: 49360

Ion Ratio Lower Upper

166 100

165 100.4 78.5 117.7

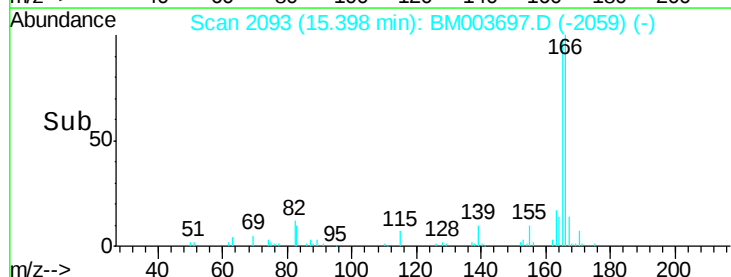
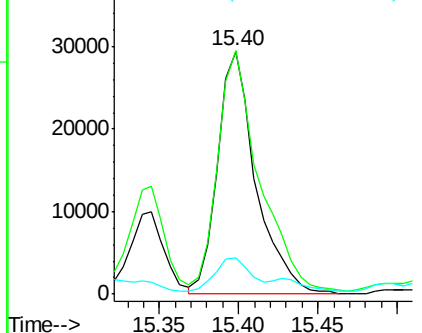
167 14.7 10.7 16.1

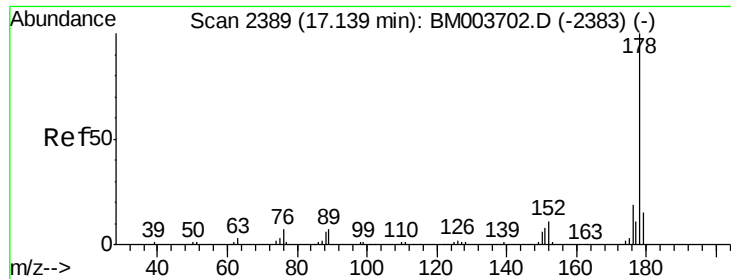


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





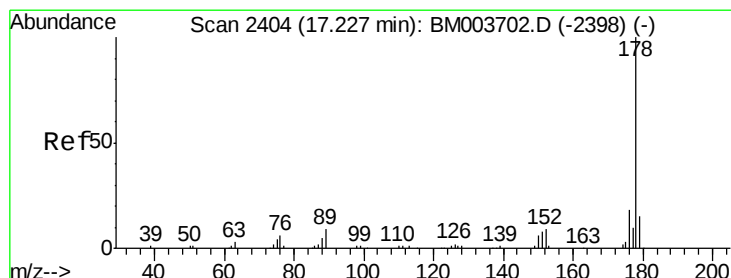
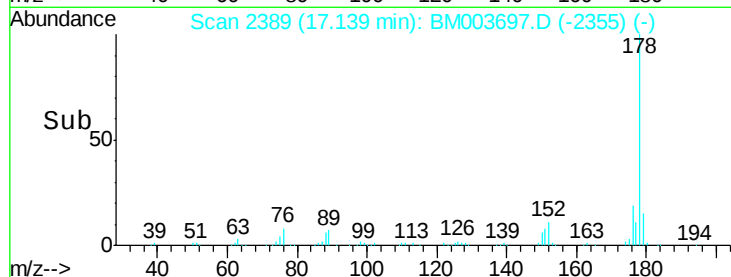
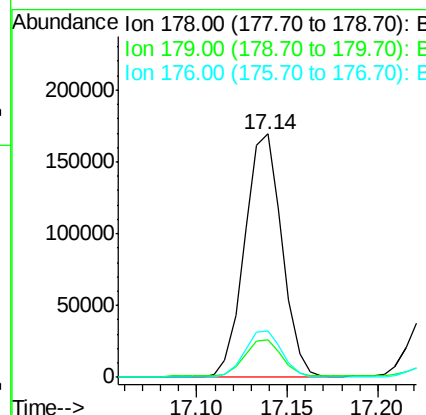
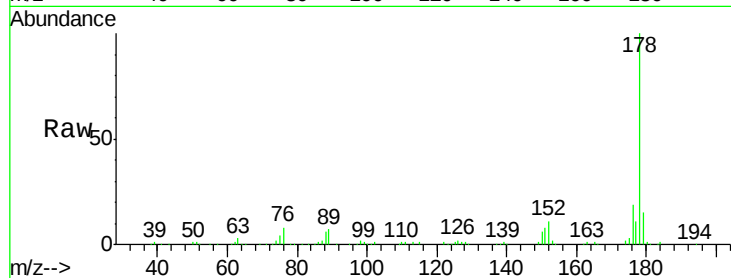
#70
Phenanthrene
Concen: 31.25 ng/ul
RT: 17.14 min Scan# 2389
Delta R.T. 0.00 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Instrument :
BNA_M
ClientSampleId :
G9C65DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	241376		
179	15.5	12.2	18.4	
176	19.3	15.6	23.4	

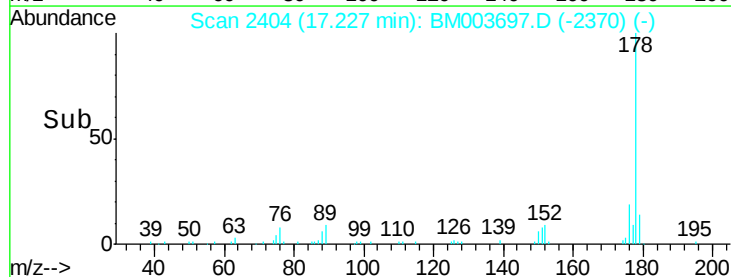
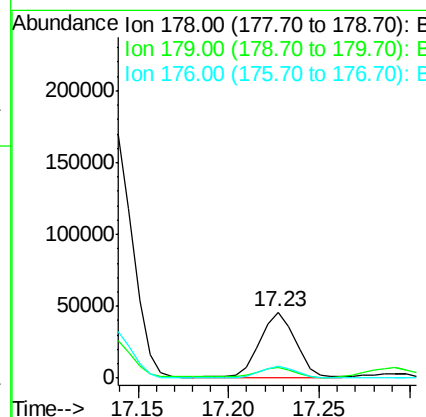
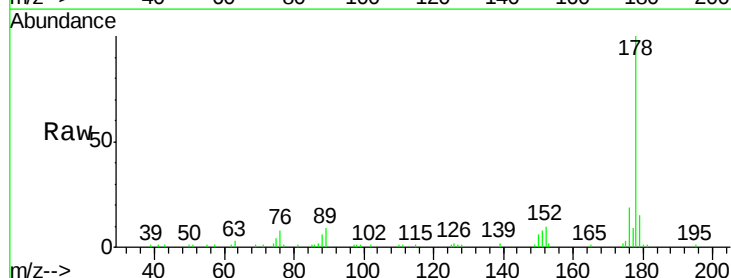
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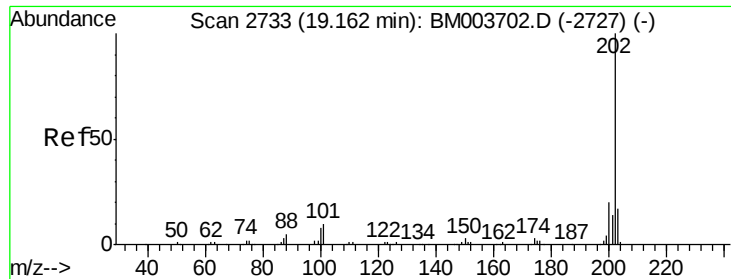
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#72
Anthracene
Concen: 7.84 ng/ul
RT: 17.23 min Scan# 2404
Delta R.T. 0.00 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	61760		
179	15.3	12.1	18.1	
176	18.8	14.8	22.2	





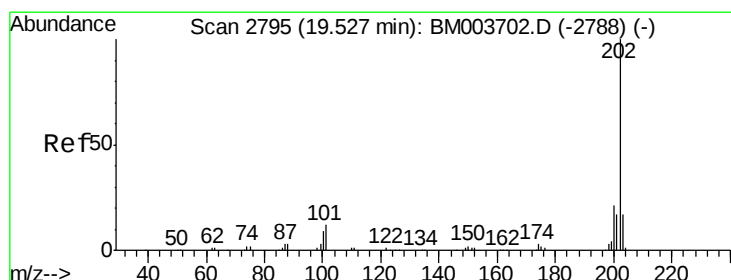
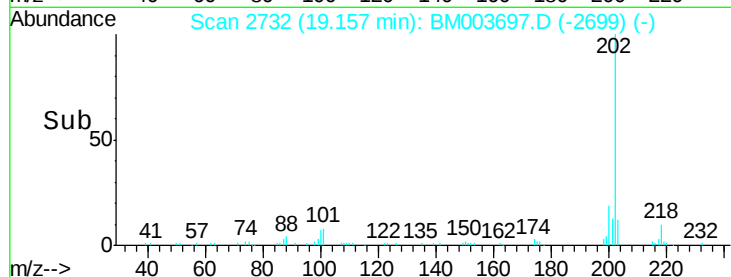
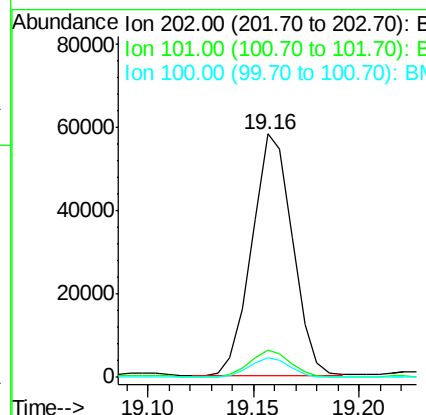
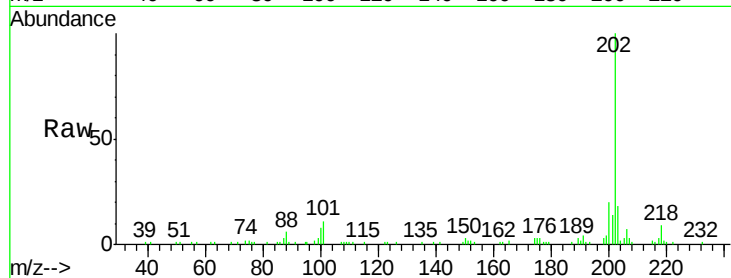
#77
Fluoranthene
 Concen: 8.74 ng/ul
 RT: 19.16 min Scan# 2732
 Delta R.T. -0.01 min
 Lab File: BM003697.D
 Acq: 22 Dec 2015 03:41

Instrument :
 BNA_M
 ClientSampleId :
 G9C65DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.4	8.8	13.2
100	7.9	6.6	9.8

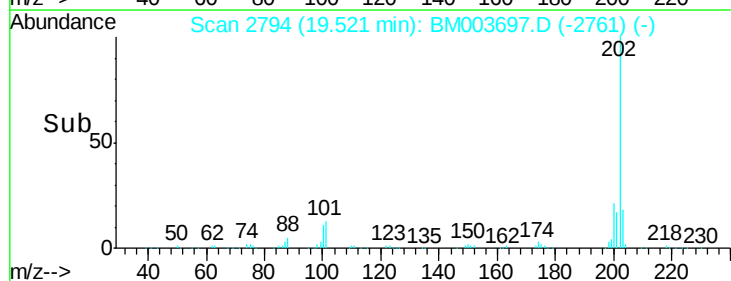
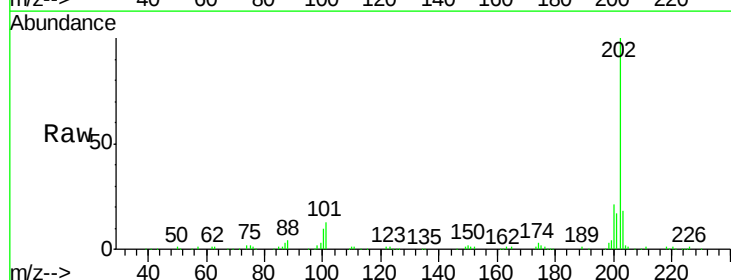
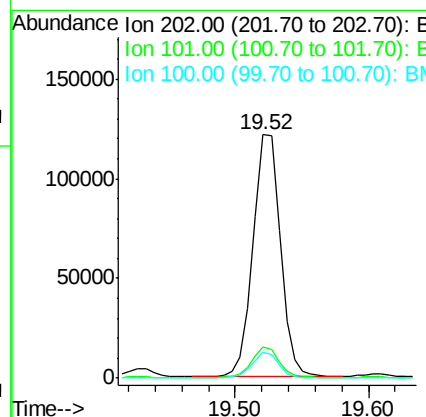
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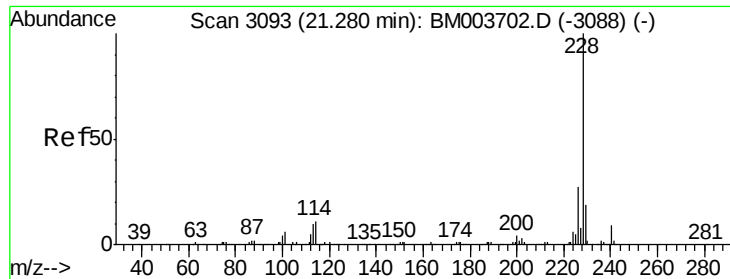
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#80
Pyrene
 Concen: 19.59 ng/ul
 RT: 19.52 min Scan# 2794
 Delta R.T. -0.01 min
 Lab File: BM003697.D
 Acq: 22 Dec 2015 03:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.9	10.2	15.2
100	10.5	8.5	12.7





#83

Benzo(a)anthracene

Concen: 5.53 ng/ul m

RT: 21.27 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

Instrument :

BNA_M

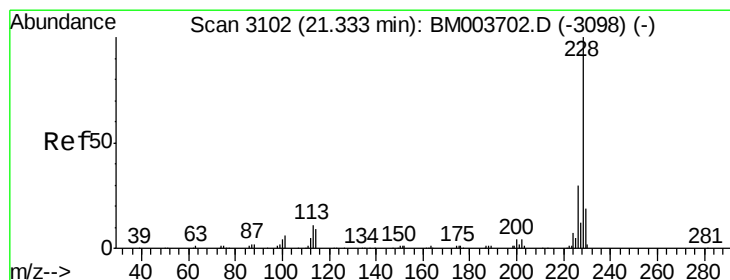
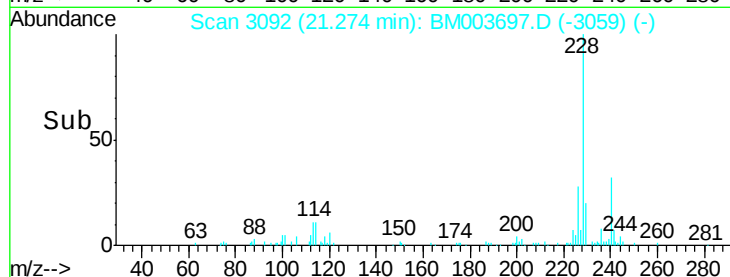
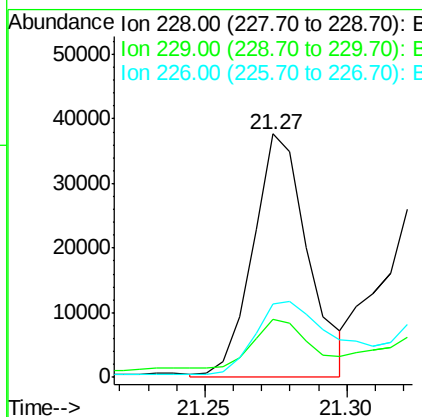
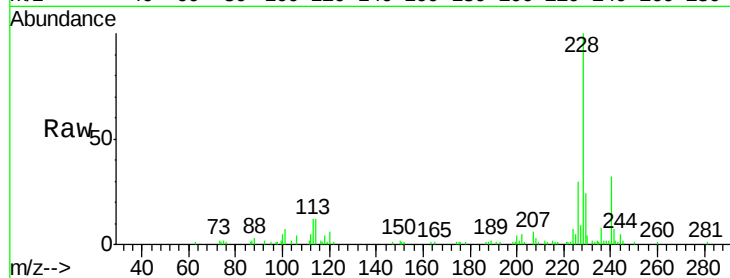
ClientSampleId :

G9C65DL

Manual Integrations
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Tgt Ion:	228	Resp:	50969
Ion Ratio	Lower	Upper	
228	100		
229	23.9	15.7	23.5#
226	30.1	21.8	32.6



#85

Chrysene

Concen: 6.16 ng/ul

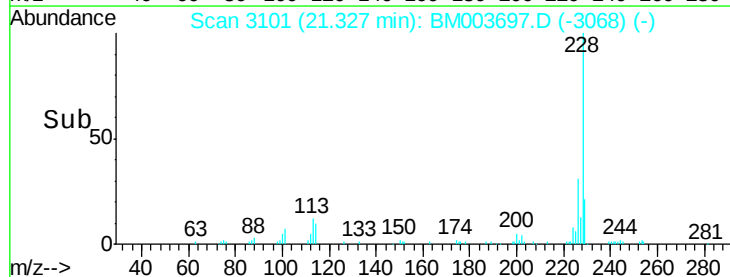
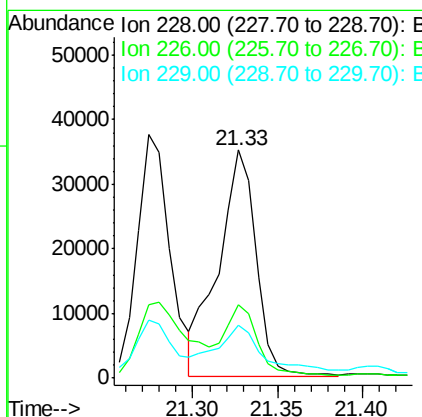
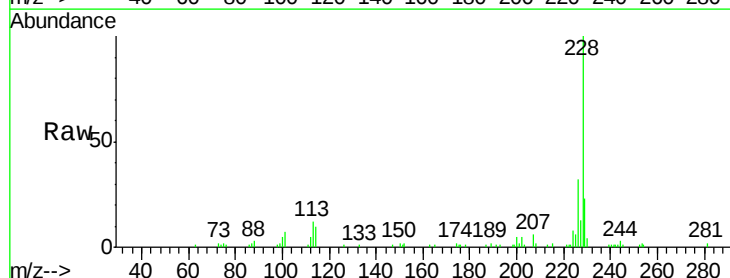
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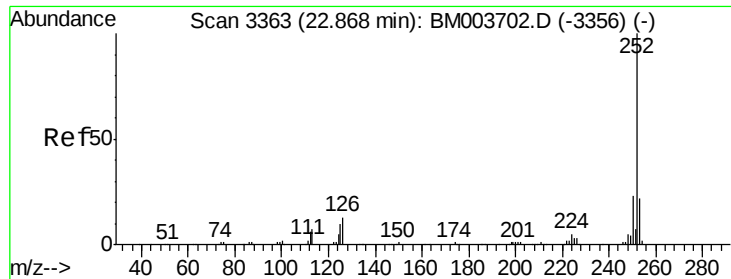
Delta R.T. -0.01 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

Tgt Ion:	228	Resp:	54754
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.0	36.0
229	23.1	15.6	23.4





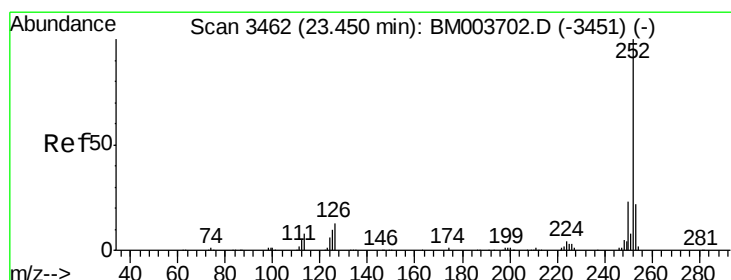
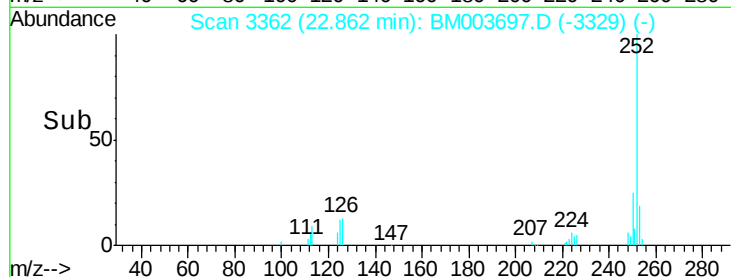
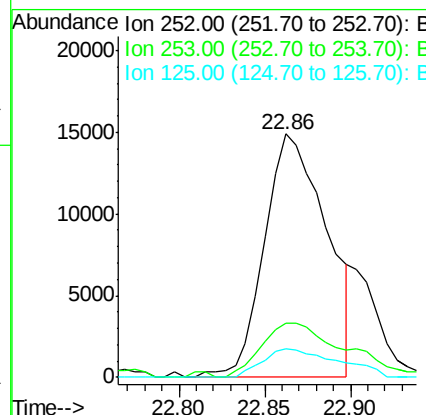
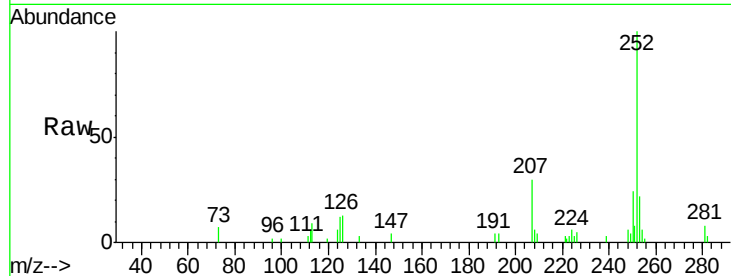
#88
Benzo(b)fluoranthene
Concen: 4.13 ng/ul m
RT: 22.86 min Scan# 3362
Delta R.T. -0.01 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Instrument :
BNA_M
ClientSampleId :
G9C65DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	37551		
253	22.1	17.5	26.3	
125	11.7	8.5	12.7	

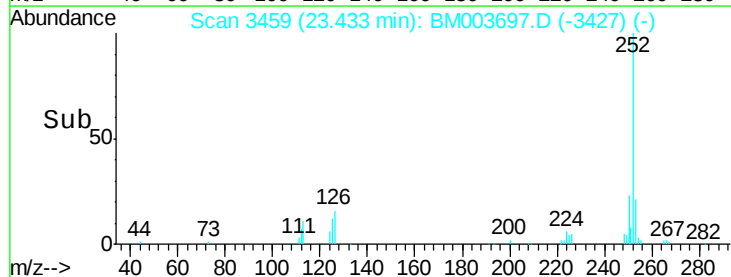
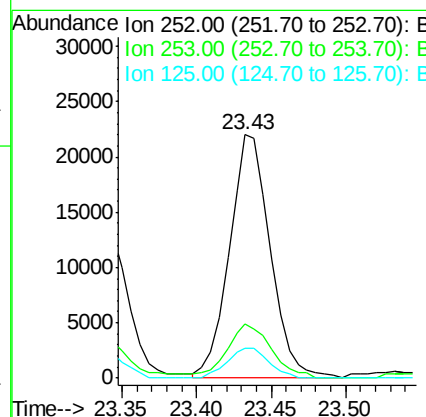
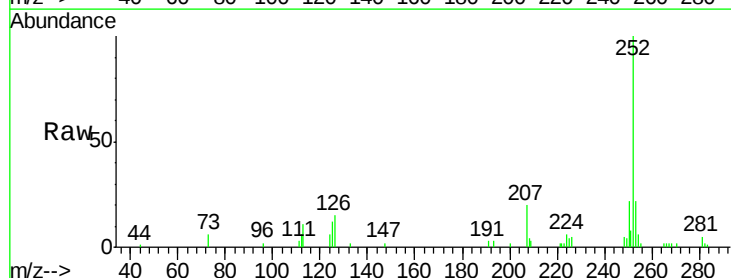
Manual Integrations
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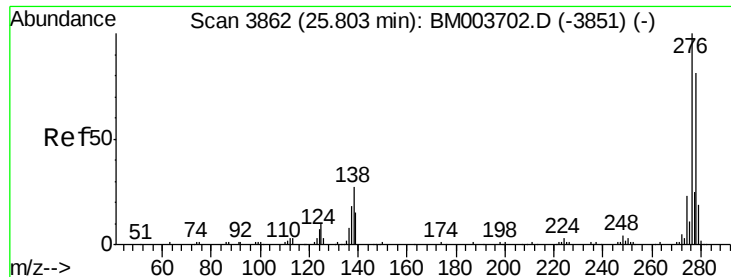
apatel
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#91
Benzo(a)pyrene
Concen: 4.83 ng/ul
RT: 23.43 min Scan# 3459
Delta R.T. -0.01 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	41926		
253	22.4	17.2	25.8	
125	12.2	9.0	13.6	





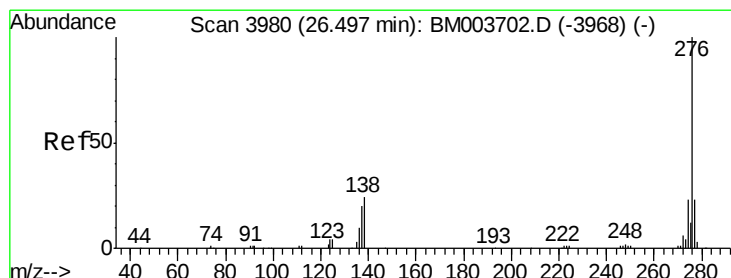
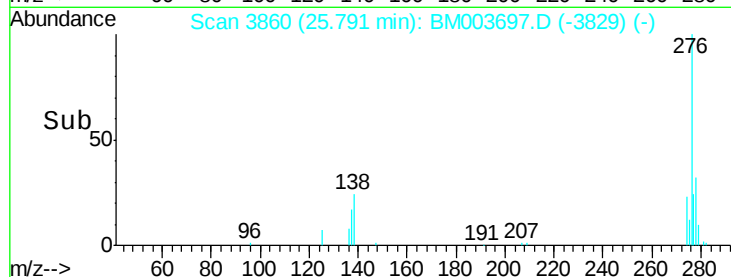
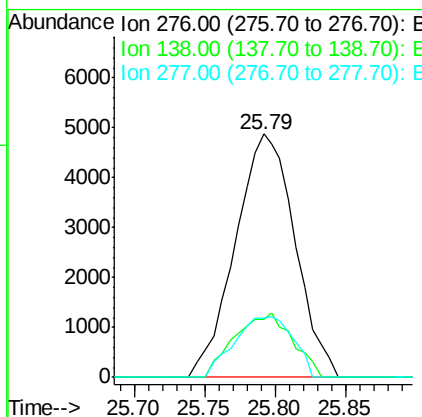
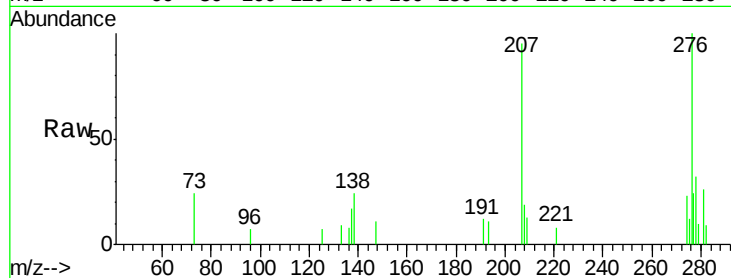
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 1.54 ng/ul
 RT: 25.79 min Scan# 3860
 Delta R.T. -0.02 min
 Lab File: BM003697.D
 Acq: 22 Dec 2015 03:41

Instrument :
 BNA_M
 ClientSampleId :
 G9C65DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	22.3	33.5
277	24.1	20.2	30.2

Manual Integrations
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apatel
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#94
 Benzo(g,h,i)perylene
 Concen: 2.04 ng/ul
 RT: 26.49 min Scan# 3978
 Delta R.T. -0.02 min
 Lab File: BM003697.D
 Acq: 22 Dec 2015 03:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.9	28.3
277	23.3	19.2	28.8

