

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
 Data File : BM003645.D
 Acq On : 20 Dec 2015 07:25
 Operator : UM/SJ
 Sample : G4801-17
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9C65

Manual Integrations
 APPROVED

apatel
 12/22/2015 11:57:28 AM

Quant Time: Dec 21 13:54:16 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:26:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	43854	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	198005	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.36	164	128327	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.12	188	269052m	20.00	ng/ul	0.02
78) Chrysene-d12	21.33	240	253605	20.00	ng/ul	0.03
86) Perylene-d12	23.57	264	252583	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	1269	1.56	ng/uL	0.00
5) Phenol-d5	6.87	99	35176	9.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	25533	12.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	33053	10.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	16171	5.05	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	21540	15.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	19723	12.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	32543	11.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	70375m	17.92	ng/ul	-0.02
44) Dimethylphthalate-d6	13.77	166	115642	10.90	ng/ul	0.01
47) Acenaphthylene-d8	14.06	160	145460	12.05	ng/ul	0.02
52) 4-Nitrophenol-d4	14.58	143	29626	14.34	ng/ul	0.02
58) Fluorene-d10	15.37	176	107748	12.28	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.47	200	914	0.60	ng/ul	0.00
71) Anthracene-d10	17.23	188	171780	14.03	ng/ul	0.03
79) Pyrene-d10	19.53	212	184225	16.63	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.43	264	167999	13.39	ng/ul	0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.57	128	5302138	519.74	ng/ul	98
34) 2-Methylnaphthalene	12.20	142	4103192	538.58	ng/ul	100
41) 1,1'-Biphenyl	13.19	154	181192	17.38	ng/ul	99
45) Dimethylphthalate	13.82	163	70955	6.54	ng/ul	96
48) Acenaphthylene	14.09	152	1461695	110.71	ng/ul#	90
50) Acenaphthene	14.44	153	1735181	196.78	ng/ul	98
54) Dibenzofuran	14.76	168	388737	30.89	ng/ul#	77
59) Fluorene	15.43	166	1693147	167.60	ng/ul	96
70) Phenanthrene	17.20	178	6699582m	450.15	ng/ul	
72) Anthracene	17.27	178	2327202	153.32	ng/ul	98
77) Fluoranthene	19.21	202	2773944	162.14	ng/ul	95
80) Pyrene	19.59	202	5306136	363.55	ng/ul#	93
83) Benzo(a)anthracene	21.31	228	1839955	120.36	ng/ul#	83
85) Chrysene	21.37	228	1893227	128.42	ng/ul#	92
88) Benzo(b)fluoranthene	22.91	252	1291385m	84.80	ng/ul	
89) Benzo(k)fluoranthene	22.93	252	338984m	23.50	ng/ul	
91) Benzo(a)pyrene	23.49	252	1447840	99.41	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.86	276	518706	33.09	ng/ul	95
93) Dibenzo(a,h)anthracene	25.85	278	194596	14.80	ng/ul#	85
94) Benzo(g,h,i)perylene	26.56	276	565924	43.95	ng/ul	99

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

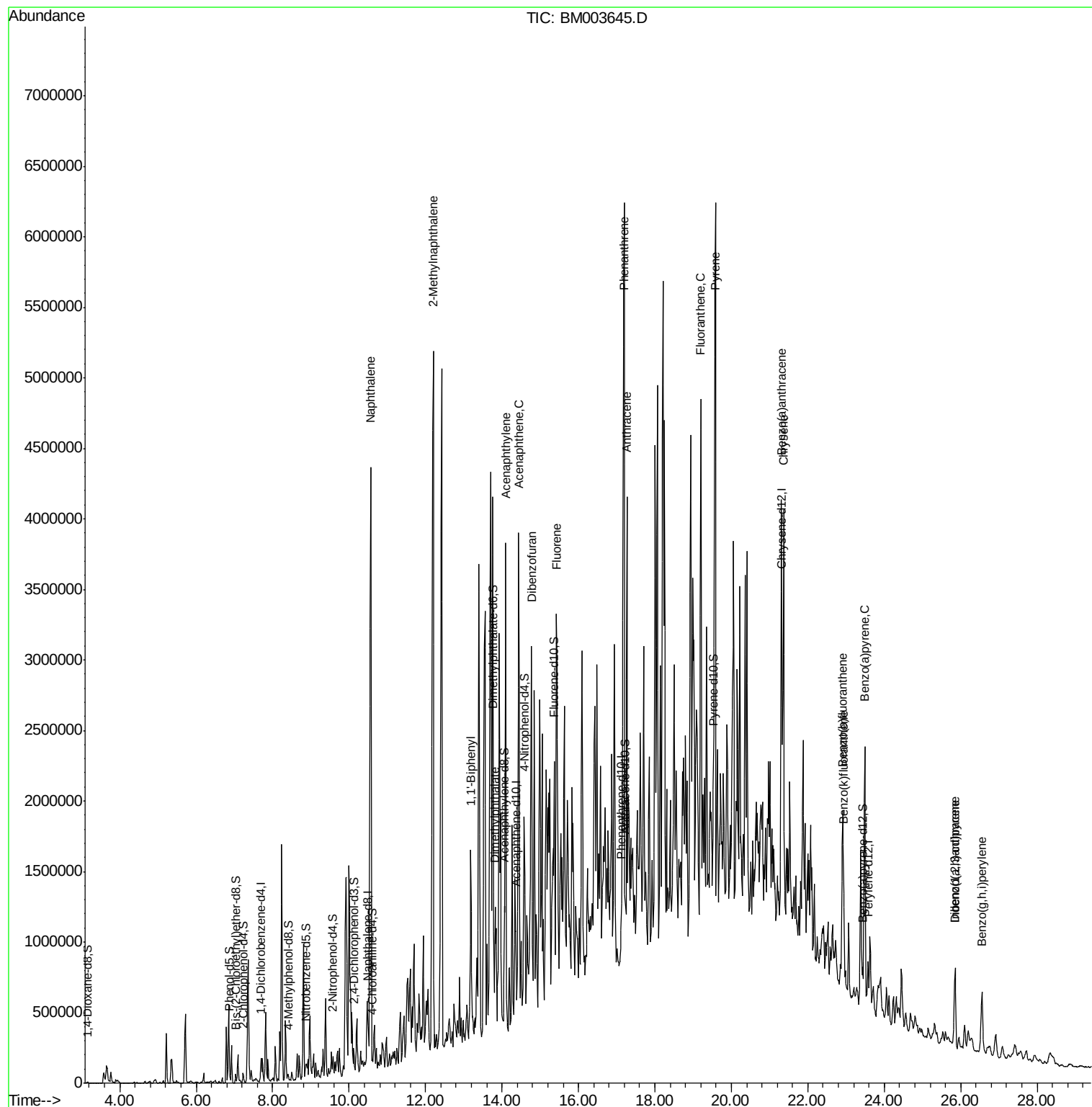
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\
Data File : BM003645.D
Acq On : 20 Dec 2015 07:25
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Sample : G4801-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

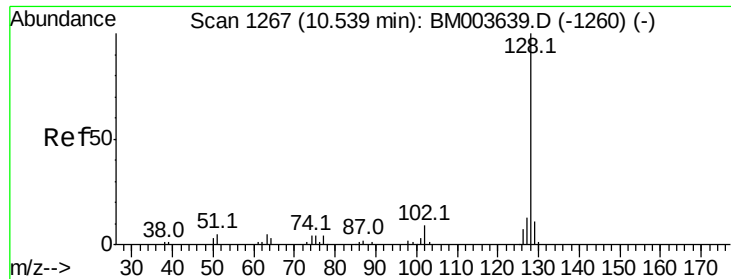
Instrument :
BNA_M
ClientSampleId :
G9C65

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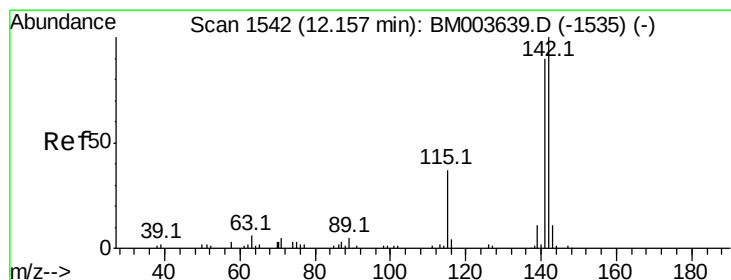
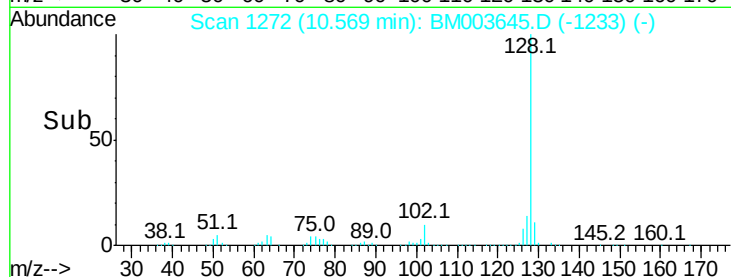
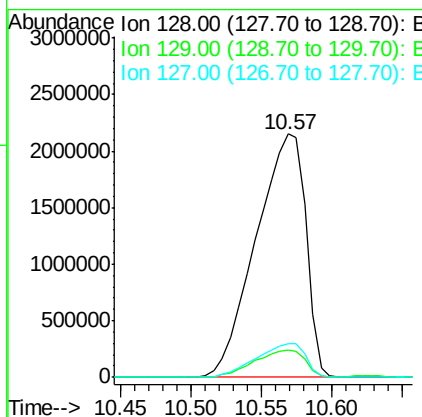
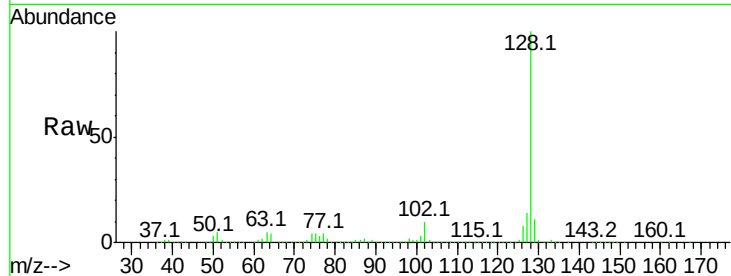
#28
Naphthalene
Concen: 519.74 ng/ul
RT: 10.57 min Scan# 1272
Delta R.T. 0.03 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Instrument :
BNA_M
ClientSampled :
G9C65

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	14.1	10.5	15.7

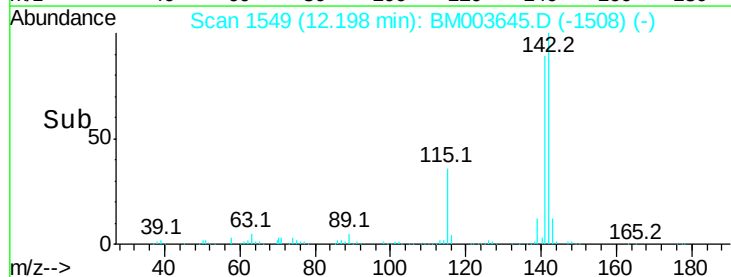
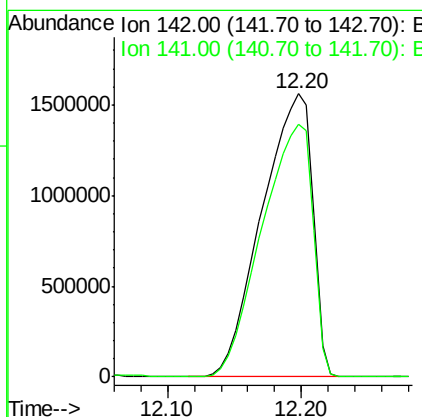
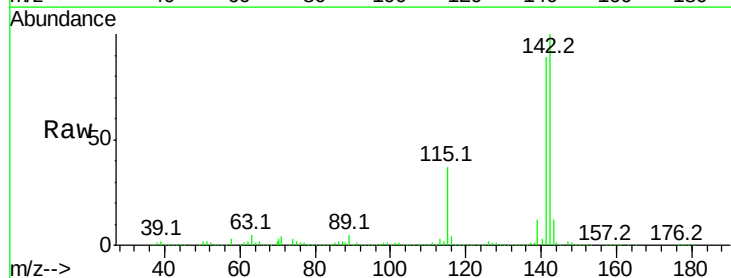
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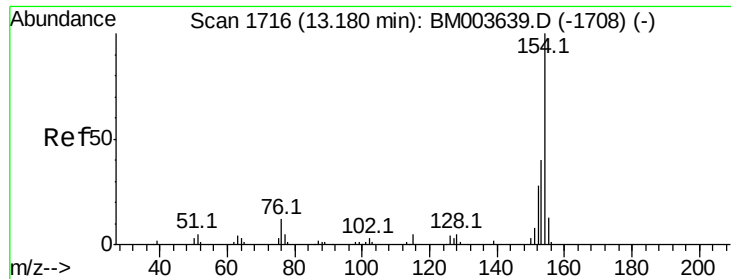
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#34
2-Methylnaphthalene
Concen: 538.58 ng/ul
RT: 12.20 min Scan# 1549
Delta R.T. 0.04 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.6	107.4





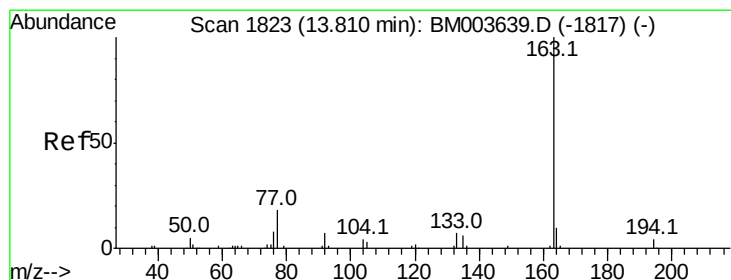
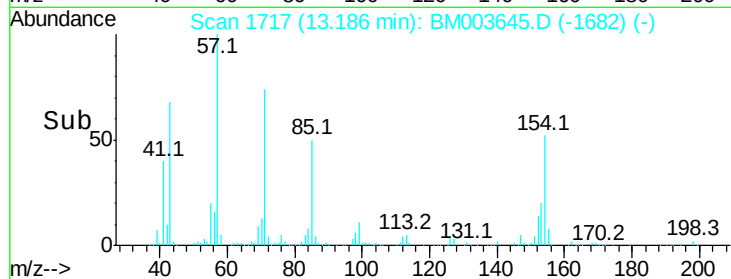
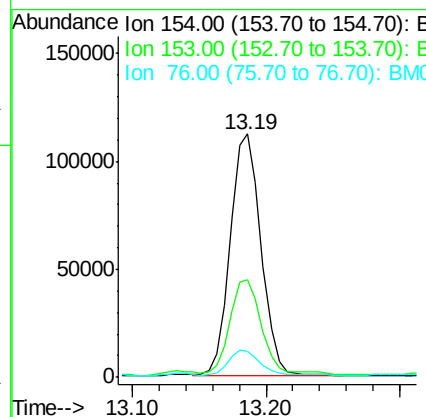
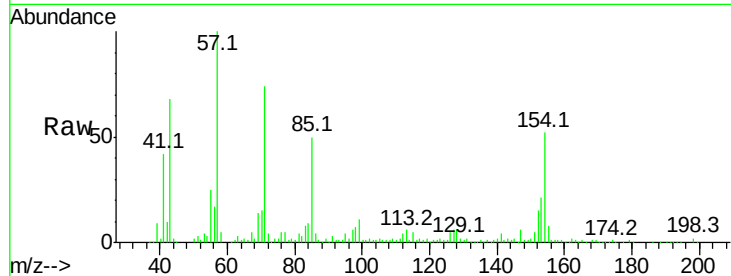
#41
1,1'-Biphenyl
Concen: 17.38 ng/ul
RT: 13.19 min Scan# 1717
Delta R.T. 0.01 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Instrument :
BNA_M
ClientSampled :
G9C65

Tot Ion	Ratio	Resp Lower	Upper
154	100		
153	40.1	32.1	48.1
76	10.6	9.5	14.3

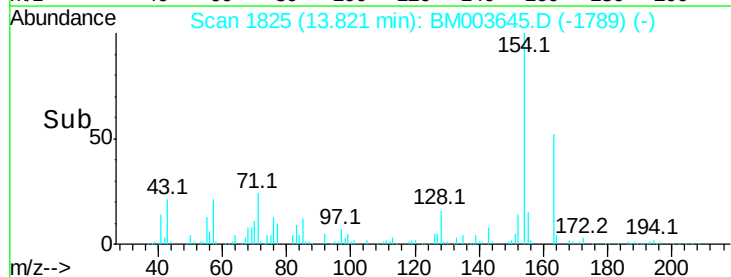
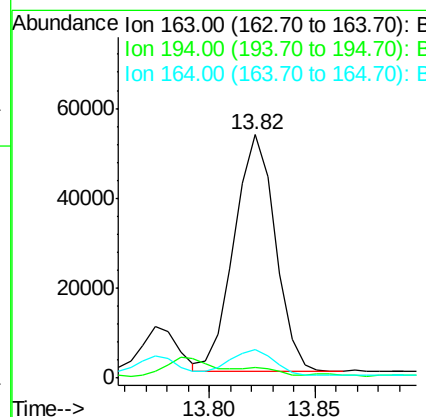
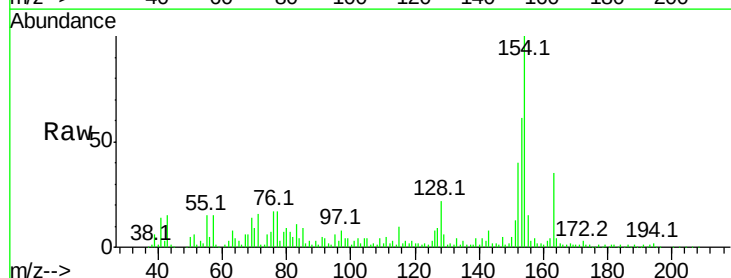
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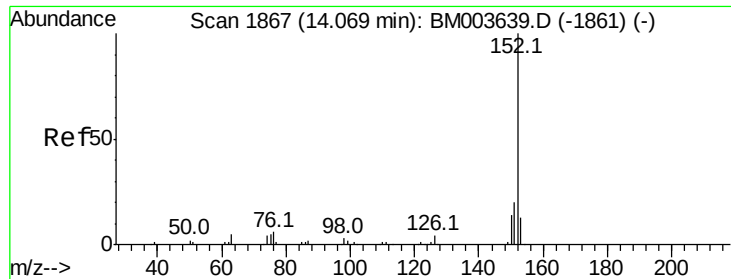
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#45
Dimethylphthalate
Concen: 6.54 ng/ul
RT: 13.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.6	3.2	4.8
164	11.6	7.8	11.8





#48

Acenaphthylene

Concen: 110.71 ng/ul

RT: 14.09 min Scan# 1871

Delta R.T. 0.02 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

Tot Ion:152 Resp: 1461695

Ion Ratio Lower Upper

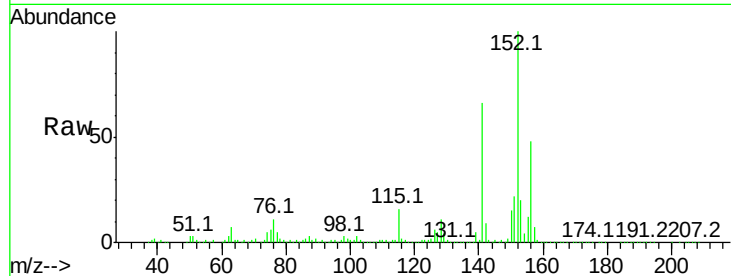
152 100

151 21.6 15.7 23.5

153 20.2 10.5 15.7#

Manual Integrations
APPROVED

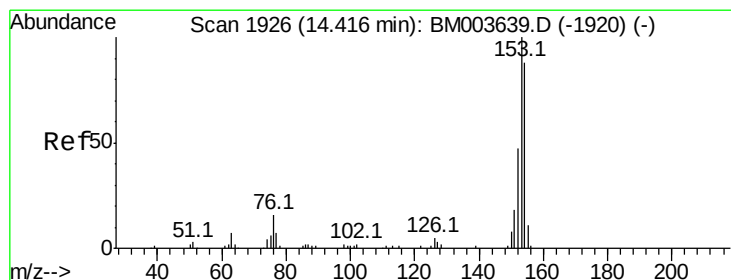
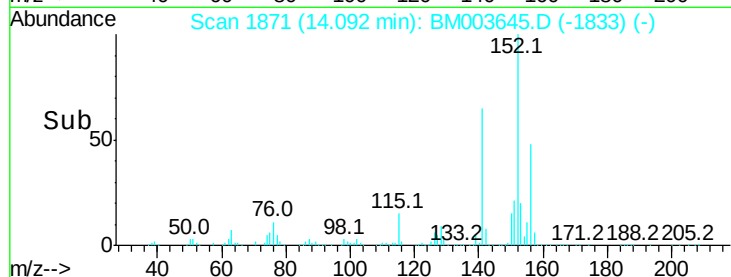
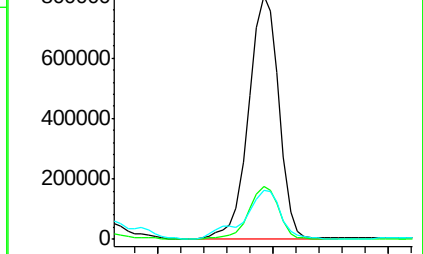
apatel
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 196.78 ng/ul

RT: 14.44 min Scan# 1930

Delta R.T. 0.02 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

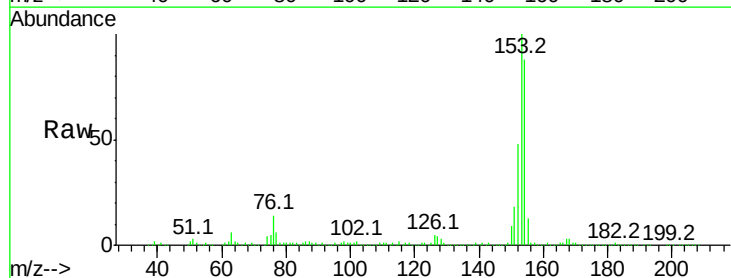
Tgt Ion:153 Resp: 1735181

Ion Ratio Lower Upper

153 100

152 48.1 38.3 57.5

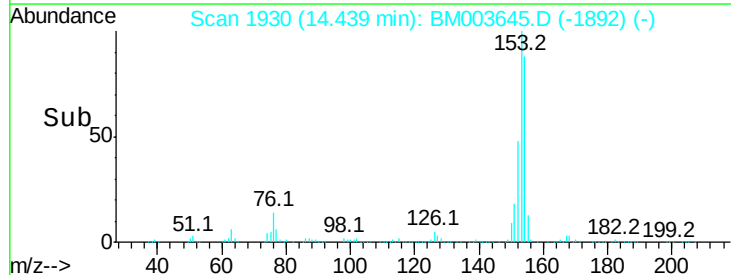
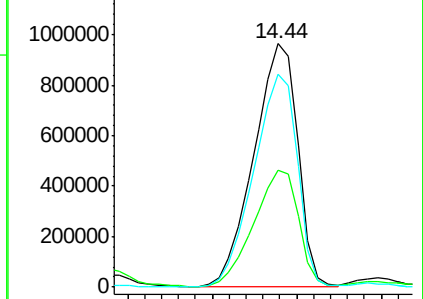
154 87.6 71.8 107.8

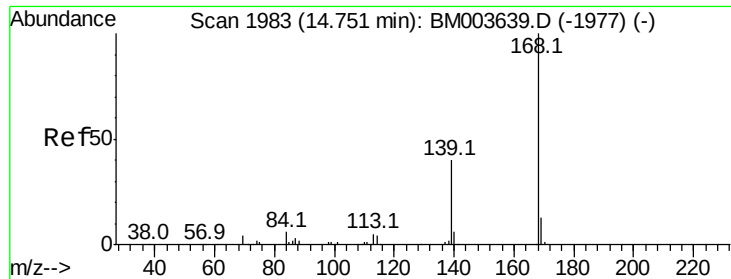


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 30.89 ng/ul

RT: 14.76 min Scan# 1985

Delta R.T. 0.01 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

Tot Ion:168 Resp: 388737

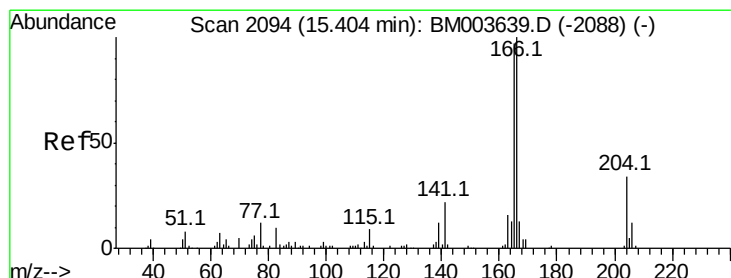
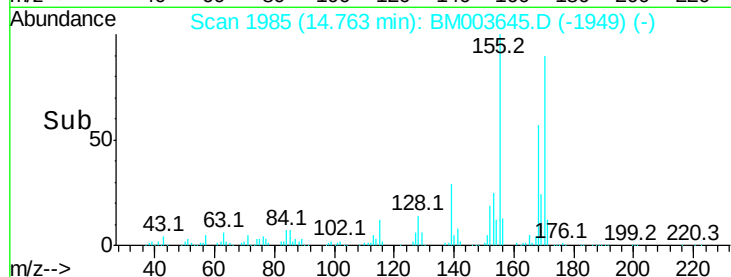
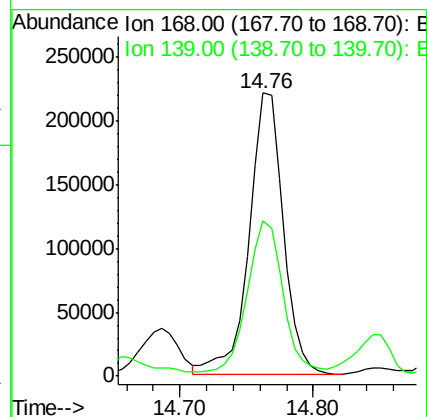
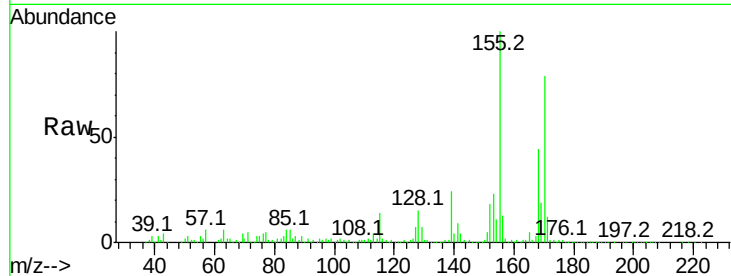
Ion Ratio Lower Upper

168 100

139 54.7 32.2 48.2#

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#59

Fluorene

Concen: 167.60 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. 0.03 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

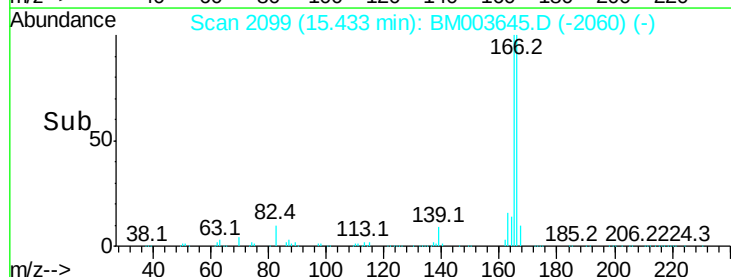
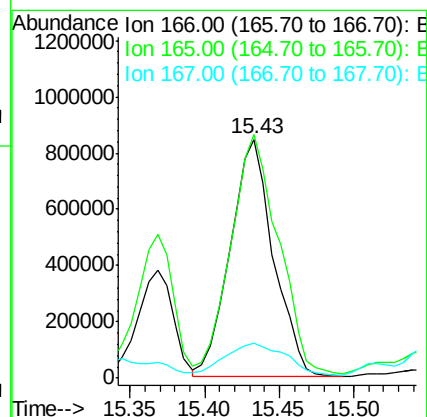
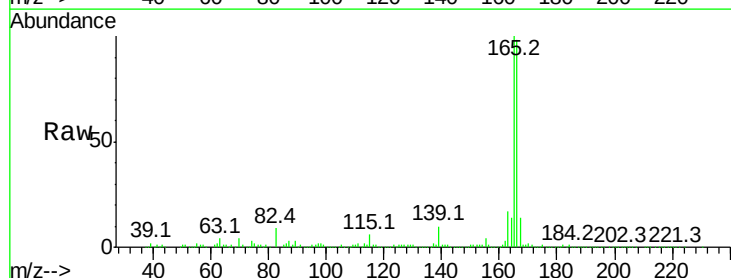
Tgt Ion:166 Resp: 1693147

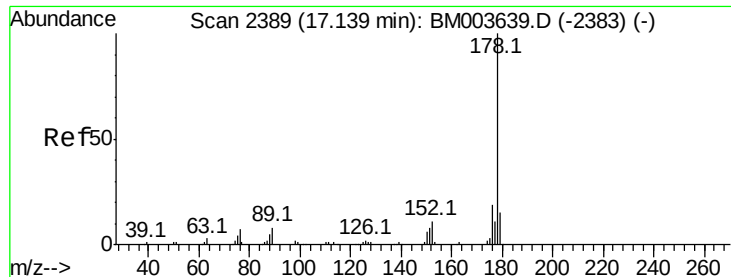
Ion Ratio Lower Upper

166 100

165 102.0 78.5 117.7

167 14.7 10.7 16.1





#70

Phenanthrene

Concen: 450.15 ng/ul m

RT: 17.20 min Scan# 2399

Delta R.T. 0.06 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

Tot Ion:178 Resp: 6699582

Ion Ratio Lower Upper

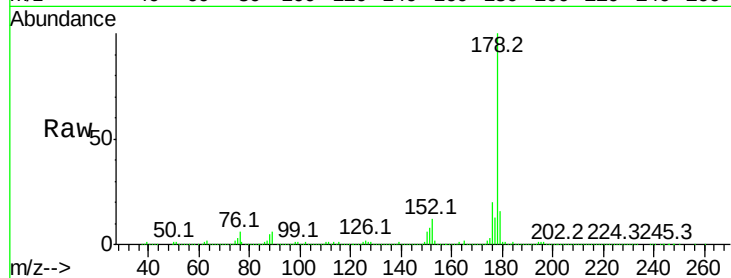
178 100

179 16.4 12.2 18.4

176 20.1 15.6 23.4

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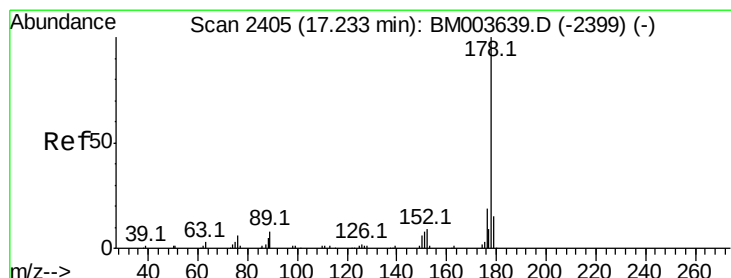
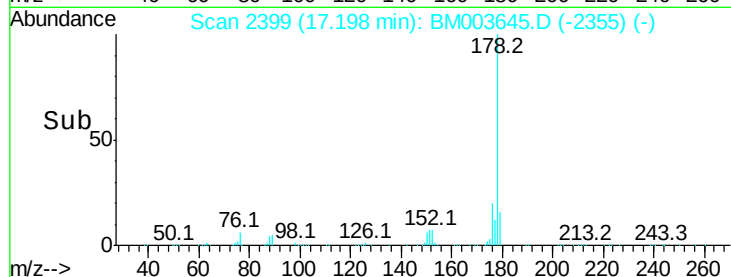
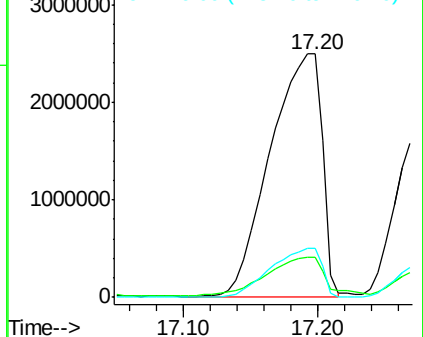
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 153.32 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. 0.04 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

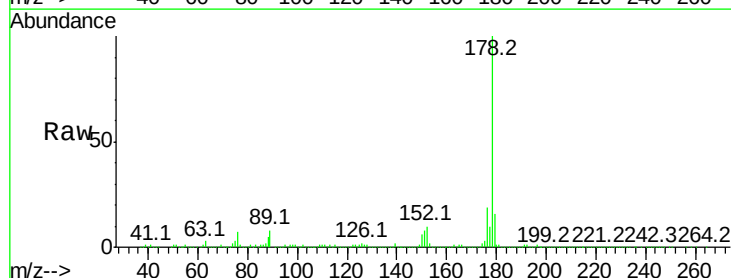
Tgt Ion:178 Resp: 2327202

Ion Ratio Lower Upper

178 100

179 16.3 12.1 18.1

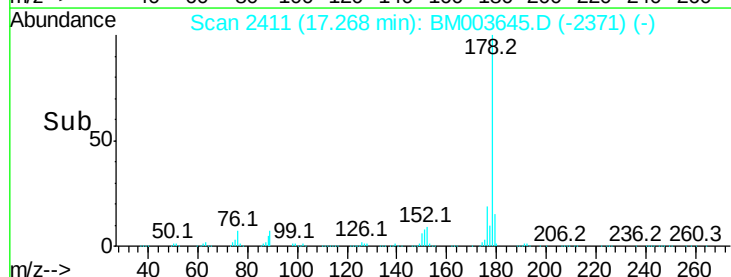
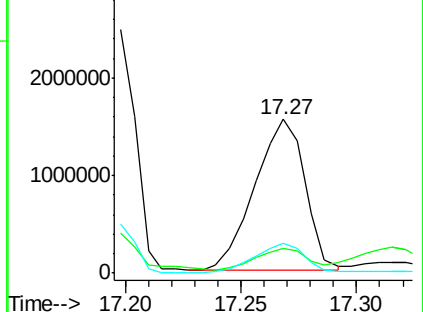
176 19.0 14.8 22.2

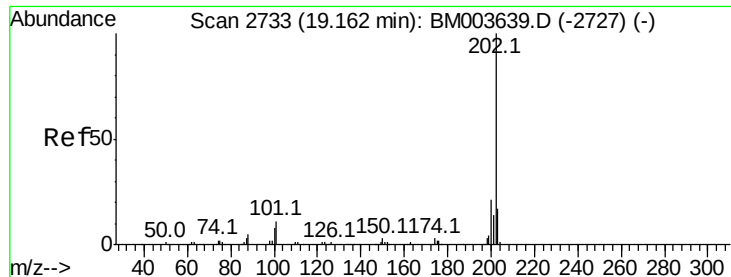


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 162.14 ng/ul

RT: 19.21 min Scan# 2741

Delta R.T. 0.05 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

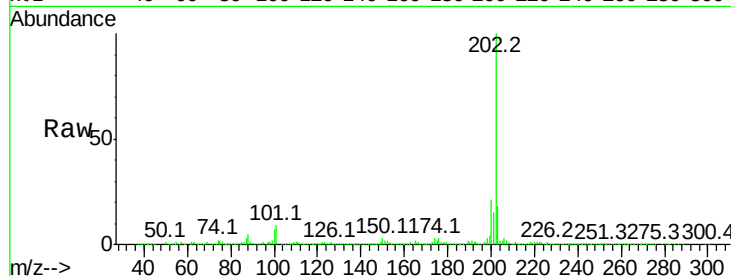
ClientSampleId :

G9C65

Tot Ion:	202	Resp:	2773944
Ion	Ratio	Lower	Upper
202	100		
101	9.2	8.8	13.2
100	6.8	6.6	9.8

Manual Integrations
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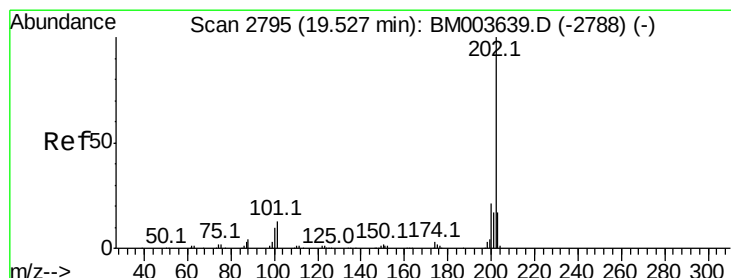
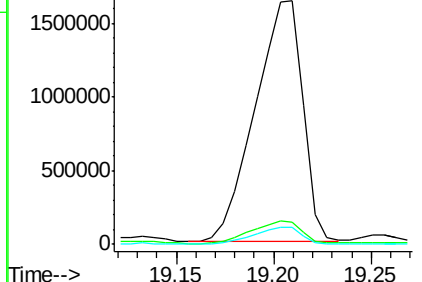
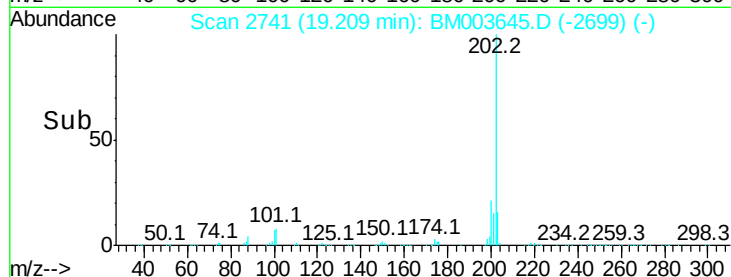
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 363.55 ng/ul

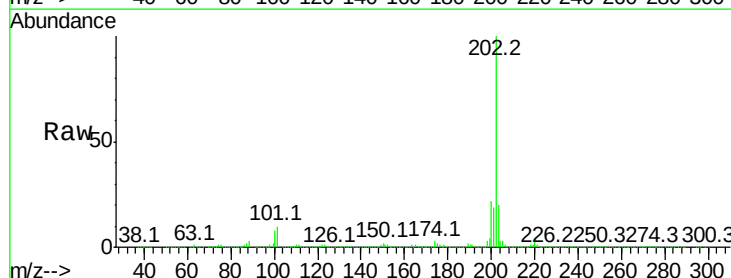
RT: 19.59 min Scan# 2805

Delta R.T. 0.06 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

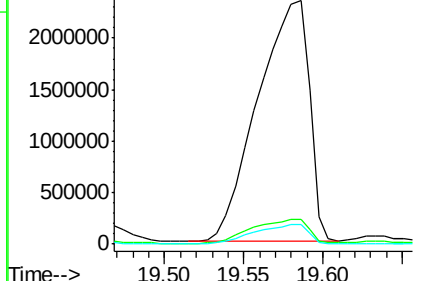
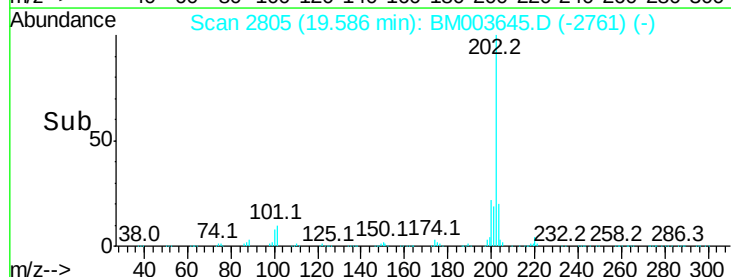
Tgt Ion:	202	Resp:	5306136
Ion	Ratio	Lower	Upper
202	100		
101	10.1	10.2	15.2#
100	7.9	8.5	12.7#

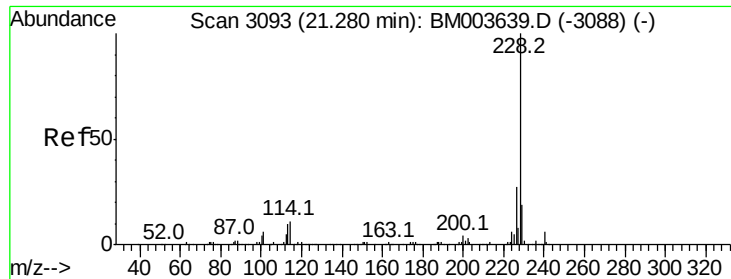


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





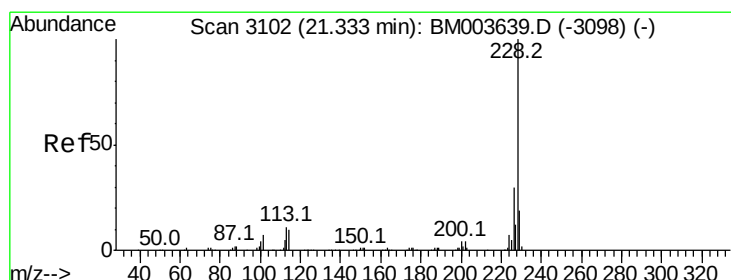
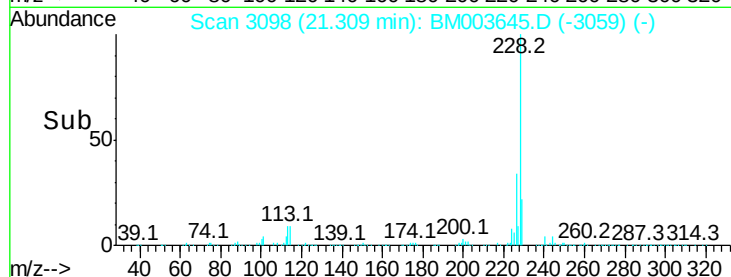
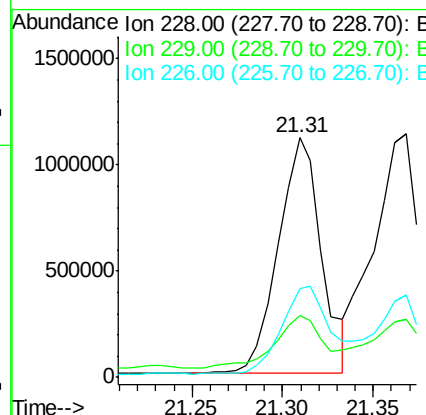
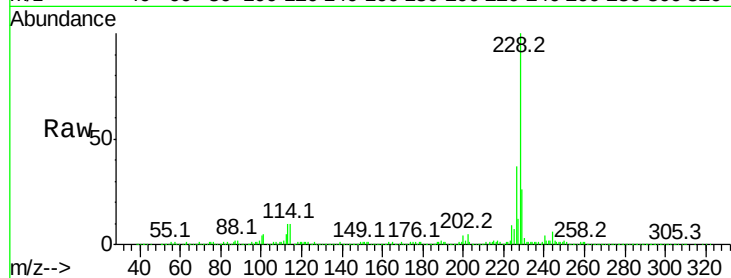
#83
Benzo(a)anthracene
Concen: 120.36 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. 0.03 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Instrument :
BNA_M
ClientSampleId :
G9C65

Tot Ion	Ratio	Lower	Upper
228	100		
229	25.8	15.7	23.5#
226	37.2	21.8	32.6#

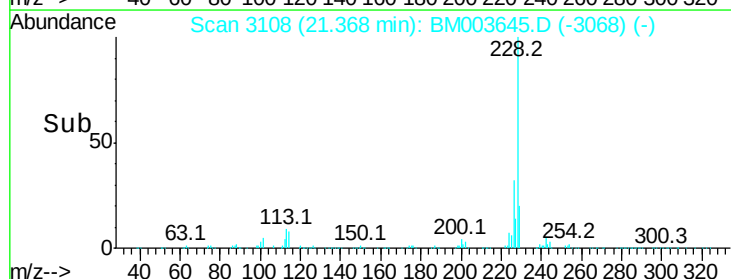
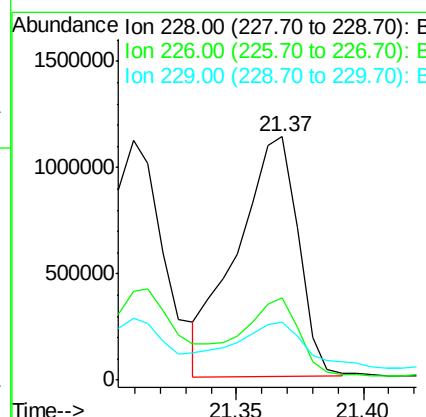
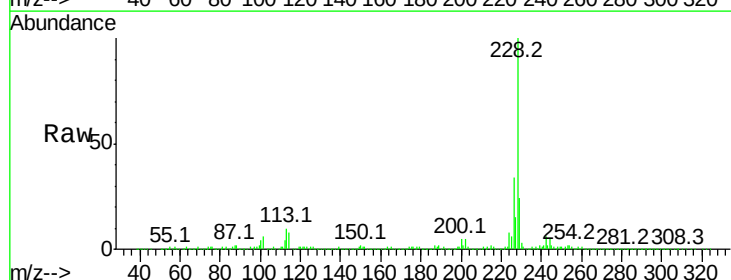
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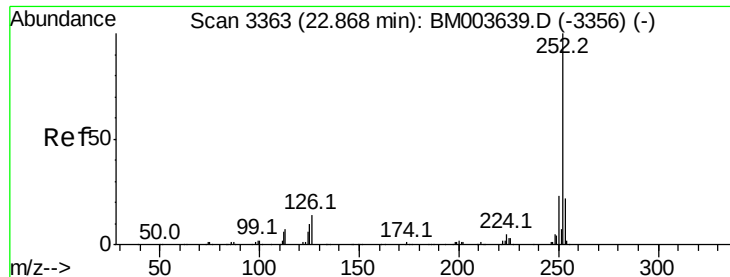
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#85
Chrysene
Concen: 128.42 ng/ul
RT: 21.37 min Scan# 3108
Delta R.T. 0.04 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	24.0	36.0
229	23.9	15.6	23.4#





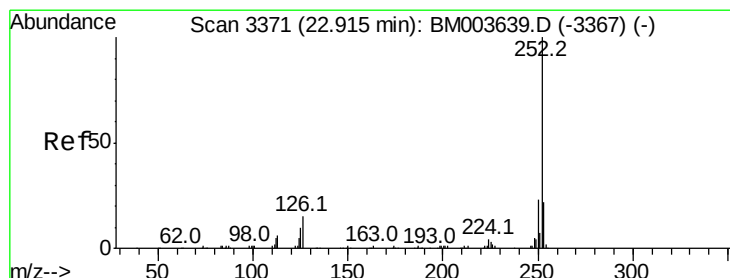
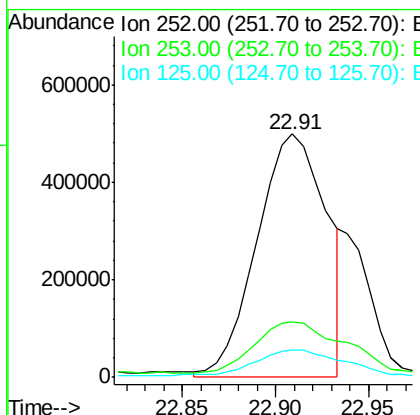
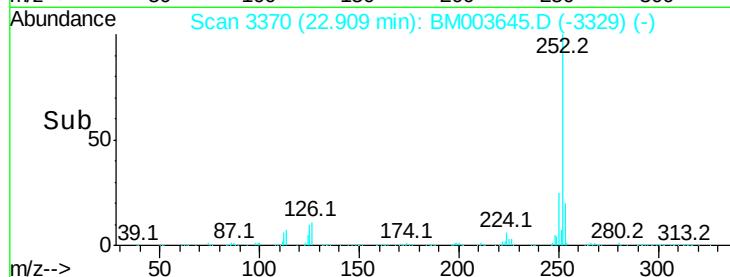
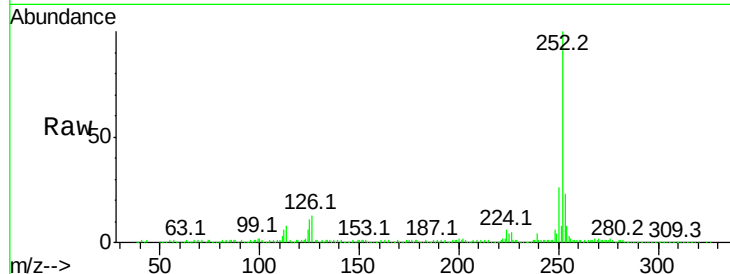
#88
Benzo(b)fluoranthene
Concen: 84.80 ng/ul m
RT: 22.91 min Scan# 3370
Delta R.T. 0.04 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Instrument :
BNA_M
ClientSampleId :
G9C65

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.3	8.5	12.7

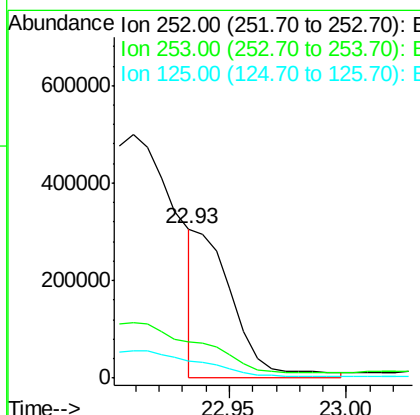
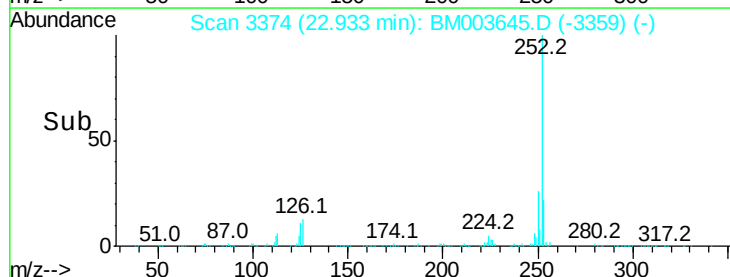
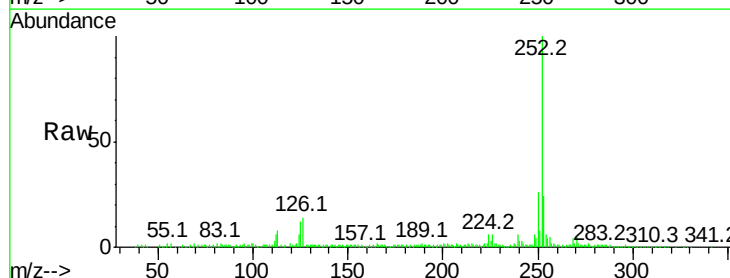
Manual Integrations
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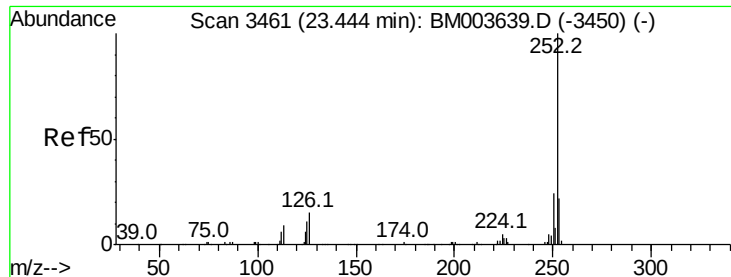
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#89
Benzo(k)fluoranthene
Concen: 23.50 ng/ul m
RT: 22.93 min Scan# 3374
Delta R.T. 0.02 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	11.6	8.2	12.2





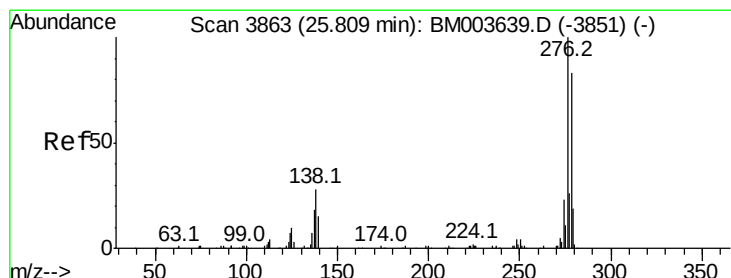
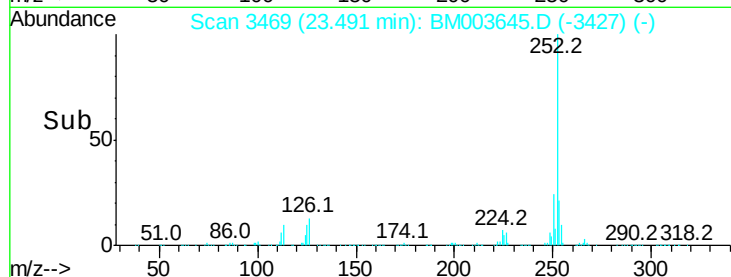
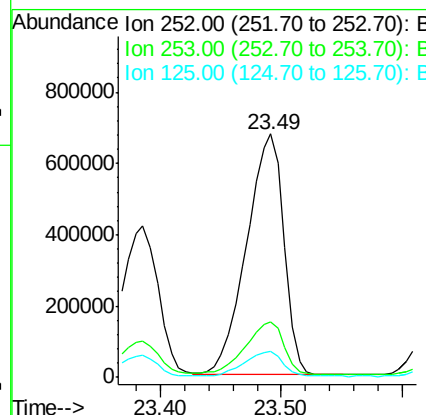
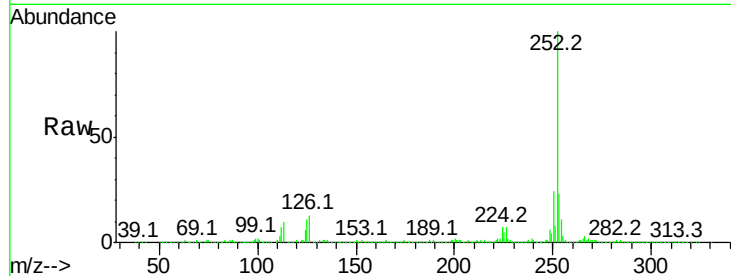
#91
Benzo(a)pyrene
Concen: 99.41 ng/ul
RT: 23.49 min Scan# 3469
Delta R.T. 0.05 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Instrument :
BNA_M
ClientSampleId :
G9C65

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	10.6	9.0	13.6

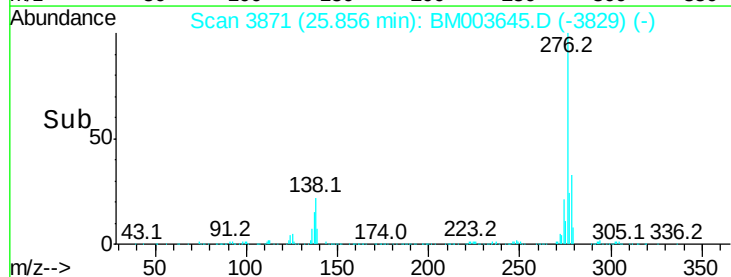
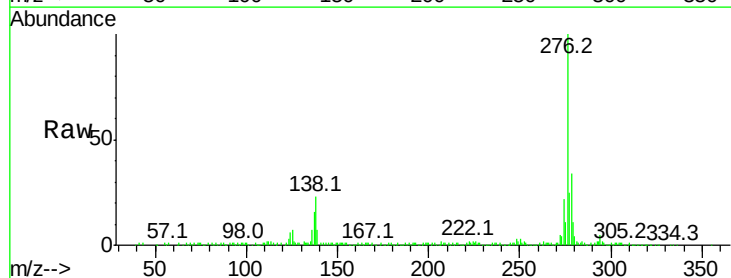
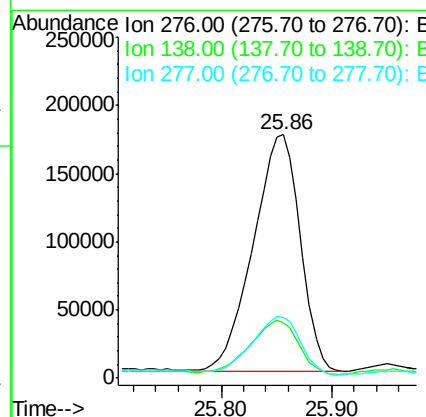
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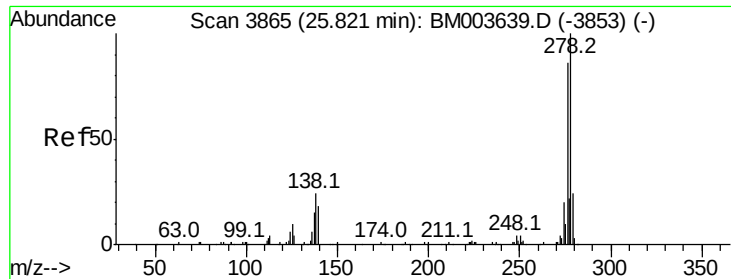
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#92
Indeno(1,2,3-cd)pyrene
Concen: 33.09 ng/ul
RT: 25.86 min Scan# 3871
Delta R.T. 0.05 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	22.3	33.5
277	25.1	20.2	30.2





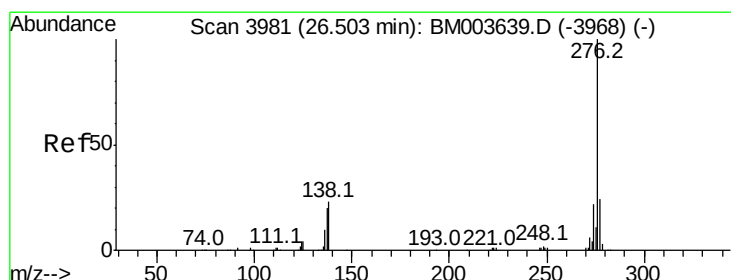
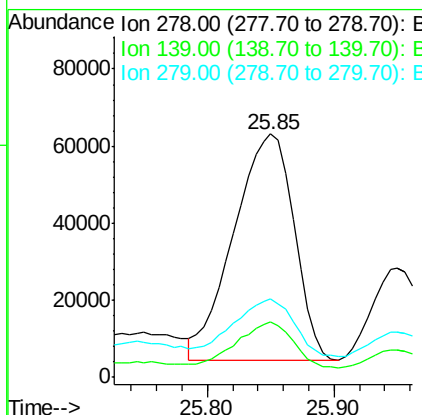
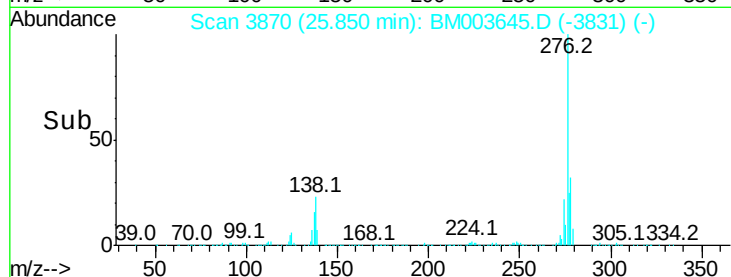
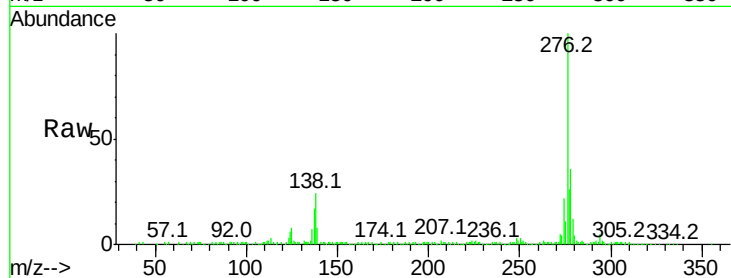
#93
Dibenzo(a,h)anthracene
Concen: 14.80 ng/ul
RT: 25.85 min Scan# 3870
Delta R.T. 0.03 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Instrument :
BNA_M
ClientSampleId :
G9C65

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.6	13.9	20.9#
279	32.3	19.0	28.4#

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 43.95 ng/ul
RT: 26.56 min Scan# 3990
Delta R.T. 0.05 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.9	28.3
277	24.6	19.2	28.8

