

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072315\
 Data File : BM002023.D
 Acq On : 23 Jul 2015 19:12
 Operator : TP/UM
 Sample : G3000-18RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02J2RE

Manual Integrations
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 7/24/2015 4:49:15 PM

Quant Time: Jul 24 03:27:05 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 24 01:29:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	75408	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	283001	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	154029	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	328537	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	402448	20.00	ng/ul	0.00
85) Perylene-d12	23.45	264	401966	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	3239	2.10	ng/uL	0.00
5) Phenol-d5	6.79	99	86256	14.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	48687	14.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	73737	15.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	52988	10.48	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	37913	17.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	42921	18.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	79710	16.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	37723	7.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	226750	18.25	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	281965	18.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	34945	16.61	ng/ul	0.00
57) Fluorene-d10	15.27	176	196619	18.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	4532	2.13	ng/ul	0.00
70) Anthracene-d10	17.13	188	288799	18.73	ng/ul	0.00
78) Pyrene-d10	19.44	212	328886	17.89	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.31	264	321140	15.80	ng/ul	0.01

Target Compounds

					Qvalue
4) Benzaldehyde	6.76	77	4508	1.51 ng/ul#	82
6) Phenol	6.82	94	10120	1.59 ng/ul	94
14) Acetophenone	8.44	105	52867	6.62 ng/ul	95
28) Naphthalene	10.45	128	33250	2.33 ng/ul	98
34) 2-Methylnaphthalene	12.07	142	20671	1.94 ng/ul	98
44) Dimethylphthalate	13.74	163	196174	15.52 ng/ul	100
47) Acenaphthylene	14.00	152	16652	1.09 ng/ul#	80
49) Acenaphthene	14.34	153	17933	1.75 ng/ul	94
53) Dibenzofuran	14.68	168	23028	1.57 ng/ul	95
58) Fluorene	15.33	166	25462	2.07 ng/ul#	91
69) Phenanthrene	17.07	178	243303	13.67 ng/ul	97
71) Anthracene	17.16	178	59528m	3.24 ng/ul	
75) Di-n-butylphthalate	18.00	149	302321	15.83 ng/ul	97
76) Fluoranthene	19.10	202	405377	19.49 ng/ul	97
79) Pyrene	19.47	202	423781	17.60 ng/ul	99
82) Benzo(a)anthracene	21.22	228	189338	7.91 ng/ul#	89
83) Bis(2-ethylhexyl)phthalate	21.14	149	130767	9.74 ng/ul	94
84) Chrysene	21.27	228	248090	11.06 ng/ul#	92
87) Benzo(b)fluoranthene	22.79	252	361255	14.66 ng/ul#	85
88) Benzo(k)fluoranthene	22.82	252	104789m	4.42 ng/ul	
90) Benzo(a)pyrene	23.36	252	215805	9.32 ng/ul#	88
91) Indeno(1,2,3-cd)pyrene	25.68	276	180713	7.44 ng/ul	97
92) Dibenzo(a,h)anthracene	25.68	278	46901	2.28 ng/ul#	59

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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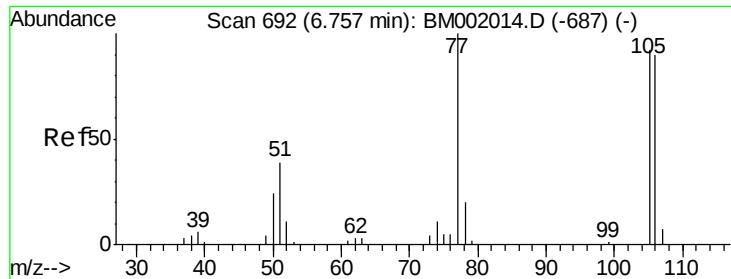
Manual Integrations
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Quant Time: Jul 24 03:27:05 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 24 01:29:30 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.37	276	177869	8.91	ng/ul	96

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



#4

Benzaldehyde

Concen: 1.51 ng/ul

RT: 6.76 min Scan# 693

Delta R.T. 0.01 min

Lab File: BM002023.D

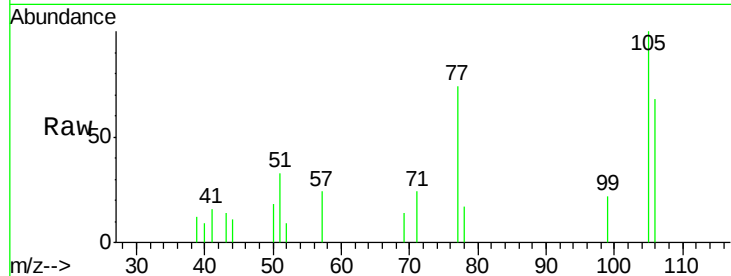
Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

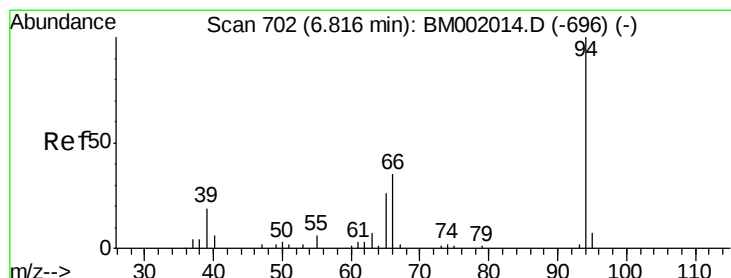
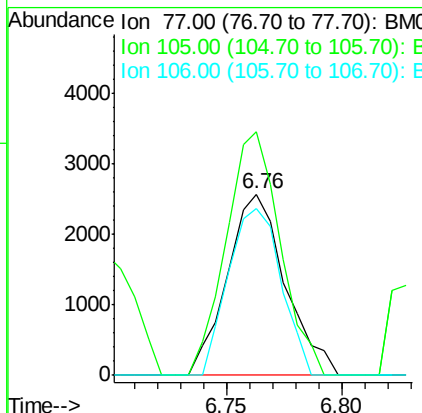
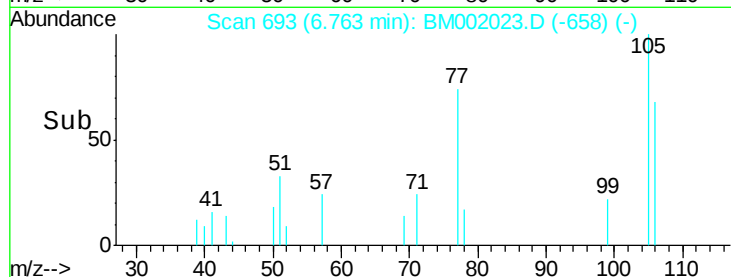
C02J2RE



Tgt Ion:	77	Resp:	4508
Ion	Ratio	Lower	Upper
77	100		
105	134.4	80.7	121.1#
106	92.0	75.6	113.4

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#6

Phenol

Concen: 1.59 ng/ul

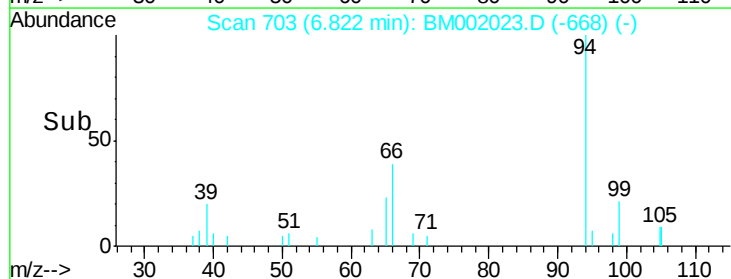
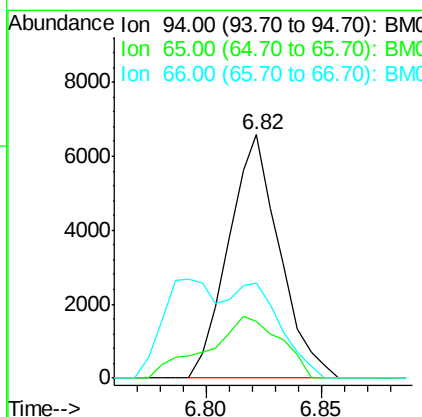
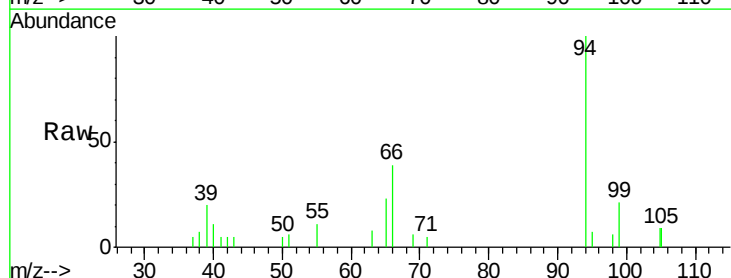
RT: 6.82 min Scan# 703

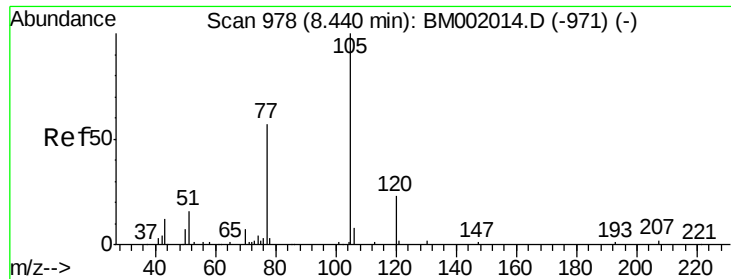
Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Tgt Ion:	94	Resp:	10120
Ion	Ratio	Lower	Upper
94	100		
65	23.4	23.1	34.7
66	39.2	32.5	48.7





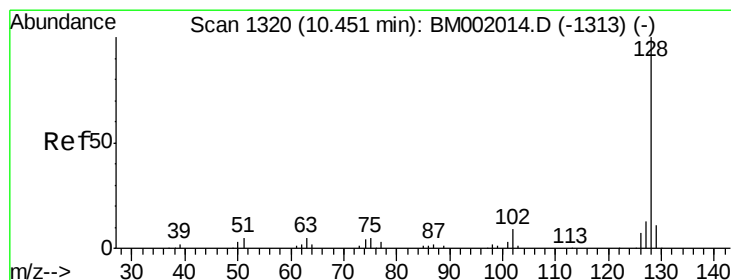
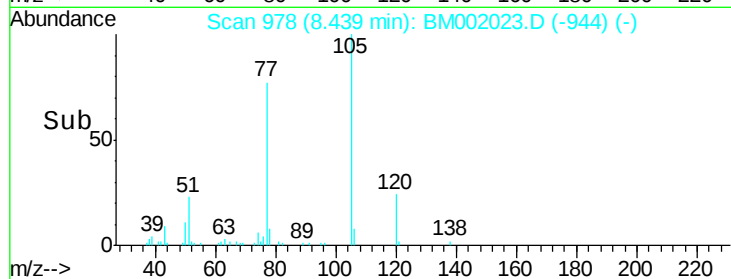
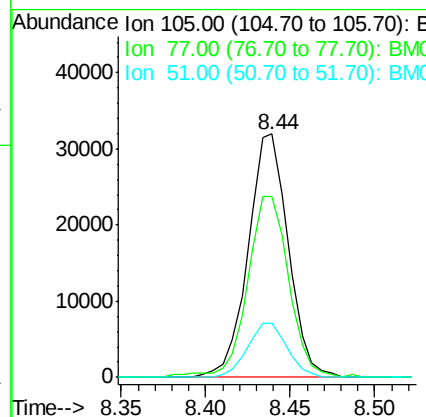
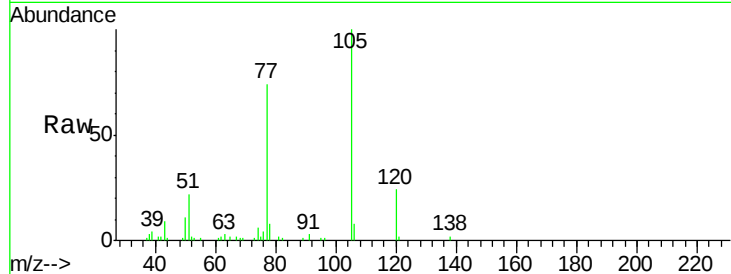
#14
Acetophenone
Concen: 6.62 ng/ul
RT: 8.44 min Scan# 978
Delta R.T. -0.00 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Instrument :
BNA_M
ClientSampleId :
C02J2RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
77	74.1	62.2	93.4
51	22.5	21.4	32.0

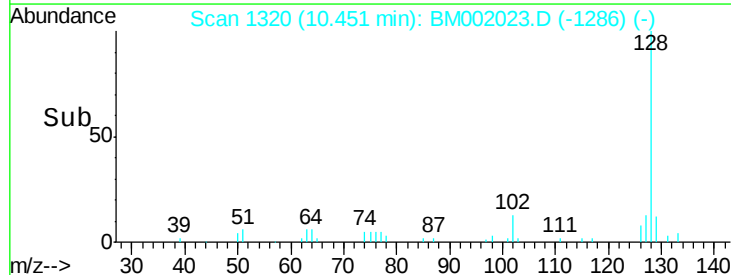
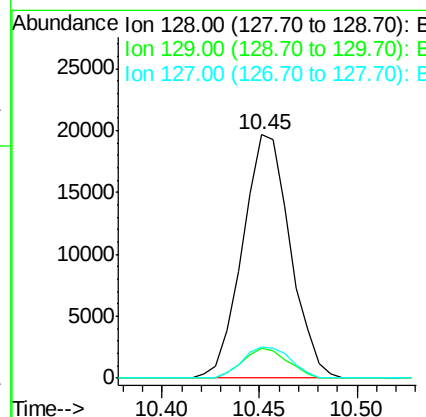
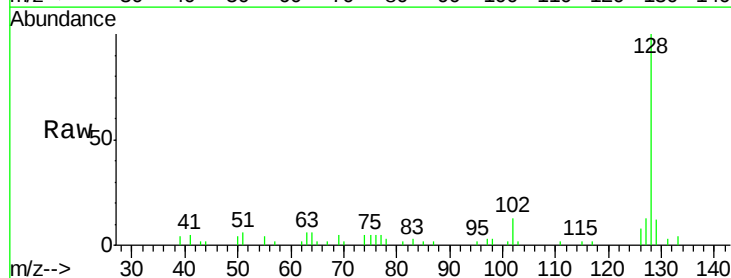
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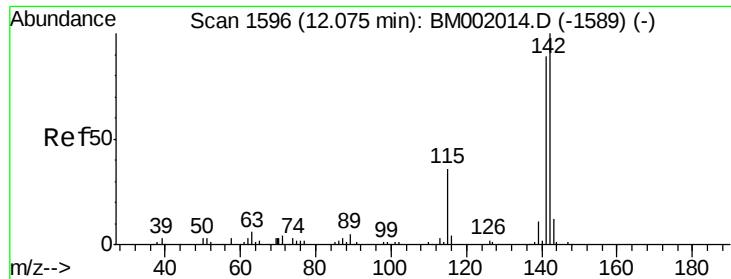
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#28
Naphthalene
Concen: 2.33 ng/ul
RT: 10.45 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	12.1	8.6	13.0
127	12.8	10.4	15.6





#34

2-Methylnaphthalene

Concen: 1.94 ng/ul

RT: 12.07 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

Tgt Ion:142 Resp: 20671

Ion Ratio Lower Upper

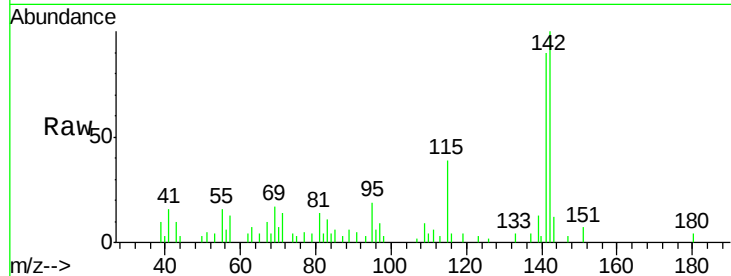
142 100

141 89.7 70.5 105.7

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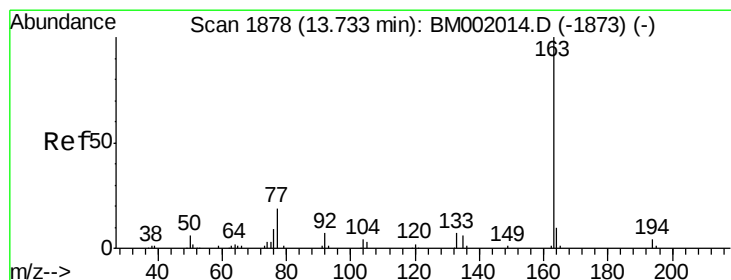
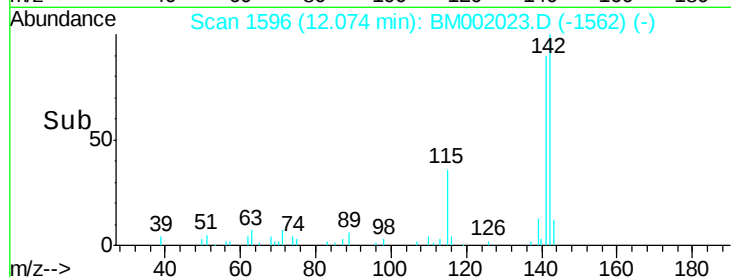
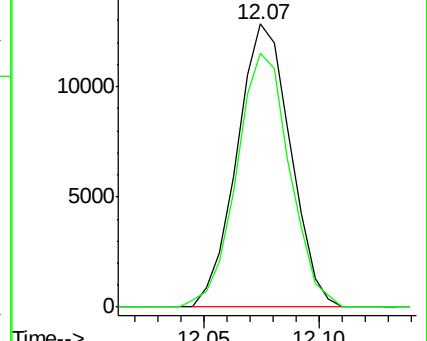
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 15.52 ng/ul

RT: 13.74 min Scan# 1879

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

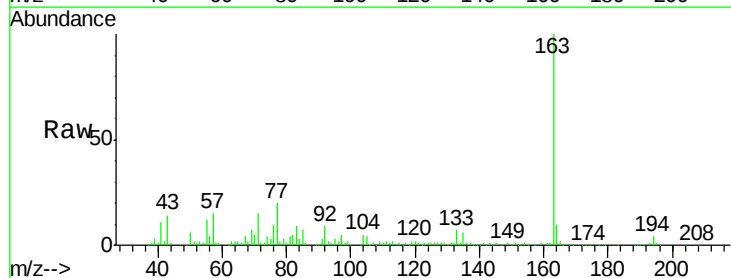
Tgt Ion:163 Resp: 196174

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

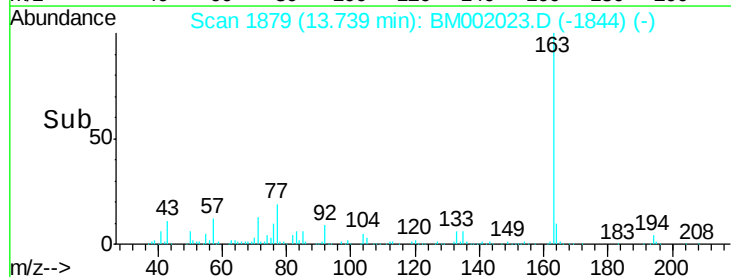
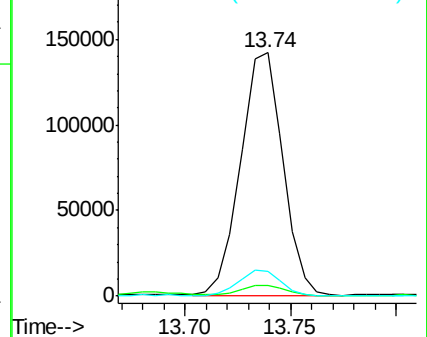
164 10.4 8.2 12.4

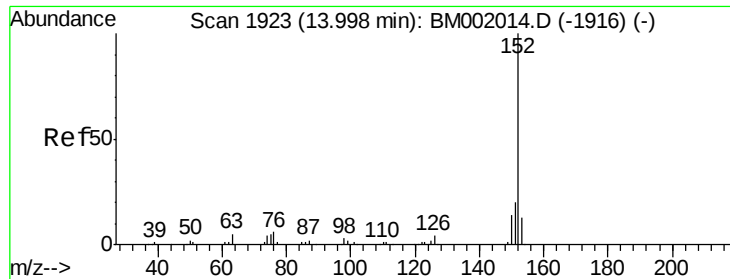


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





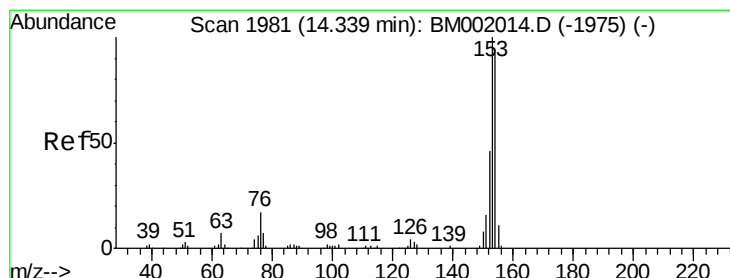
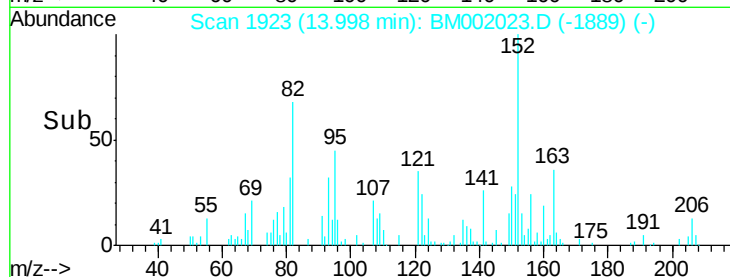
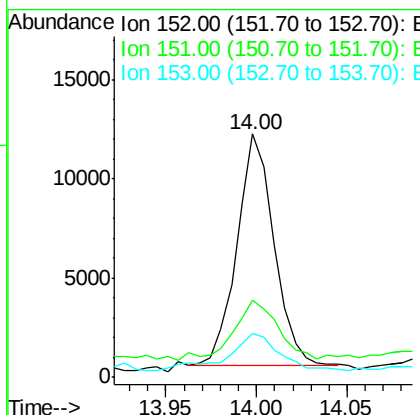
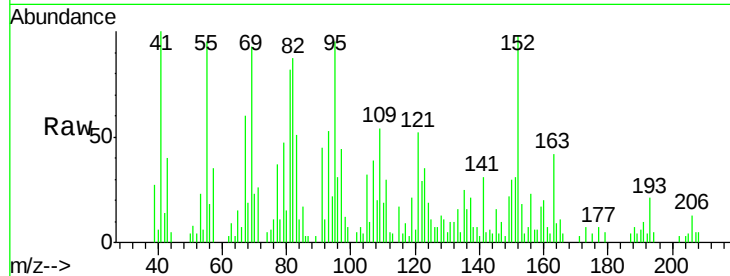
#47
Acenaphthylene
Concen: 1.09 ng/ul
RT: 14.00 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Instrument :
BNA_M
ClientSampleId :
C02J2RE

Tgt Ion	Ratio	Lower	Upper
152	100		
151	31.6	15.8	23.6#
153	17.9	10.7	16.1#

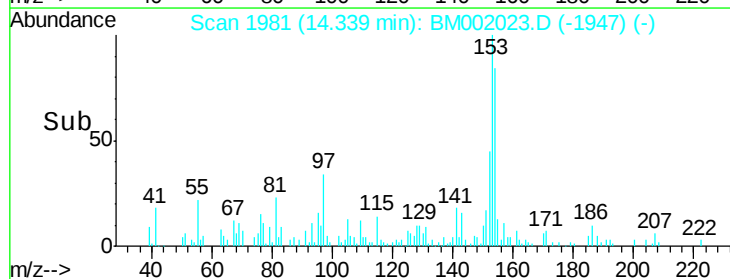
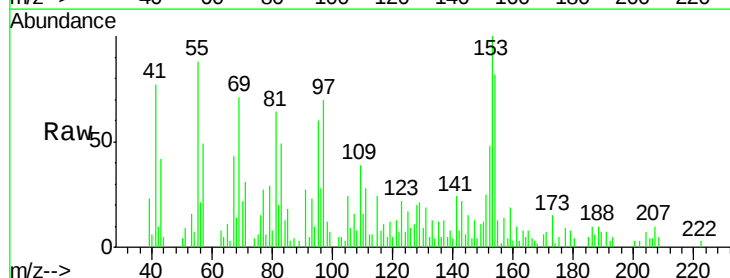
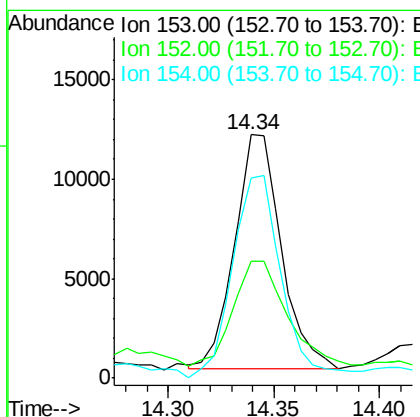
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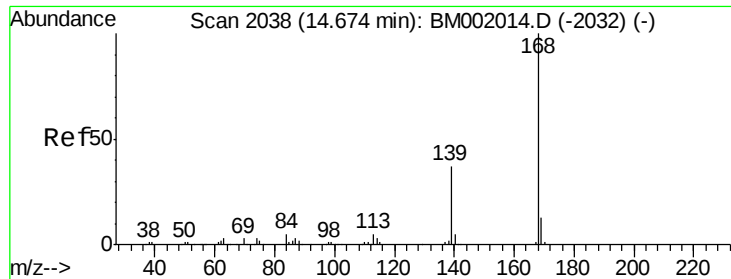
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#49
Acenaphthene
Concen: 1.75 ng/ul
RT: 14.34 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.2	55.8
154	82.2	72.2	108.2





#53

Dibenzofuran

Concen: 1.57 ng/ul

RT: 14.68 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

Tgt Ion:168 Resp: 23028

Ion Ratio Lower Upper

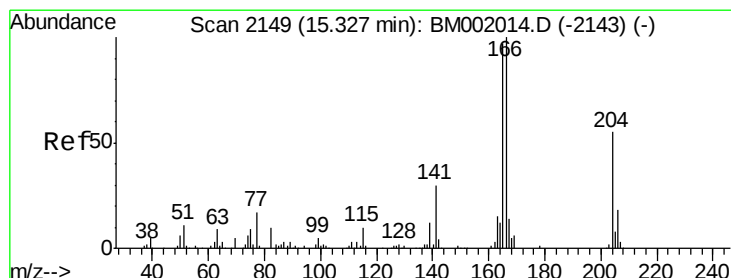
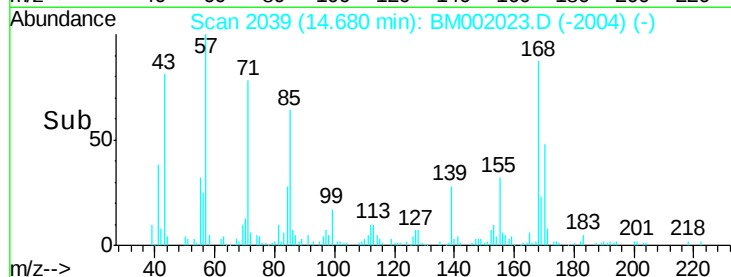
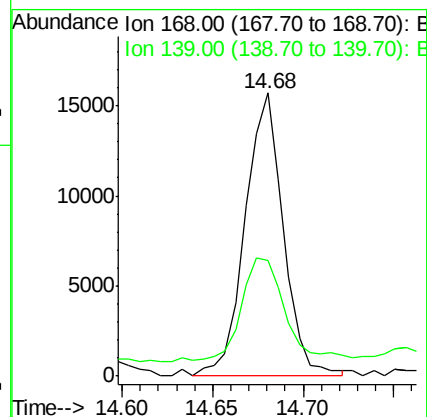
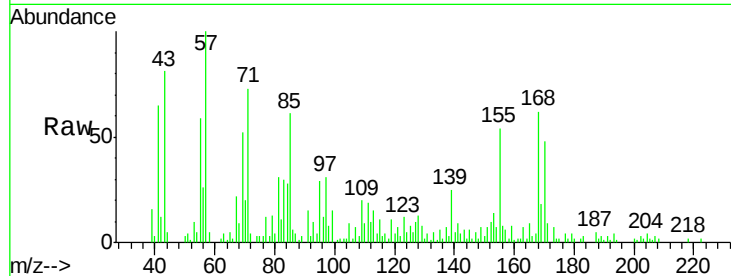
168 100

139 40.8 30.2 45.4

Manual Integrations
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#58

Fluorene

Concen: 2.07 ng/ul

RT: 15.33 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

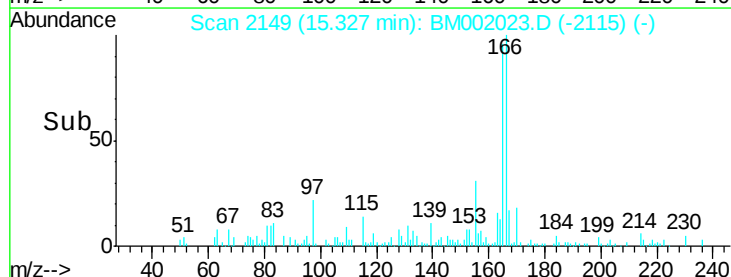
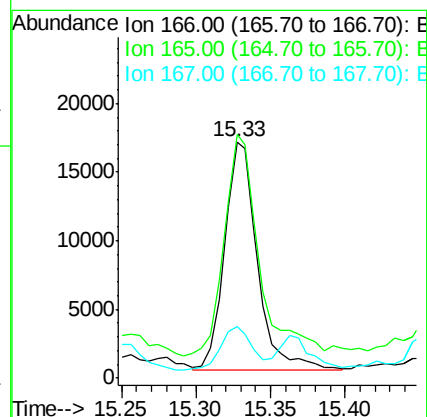
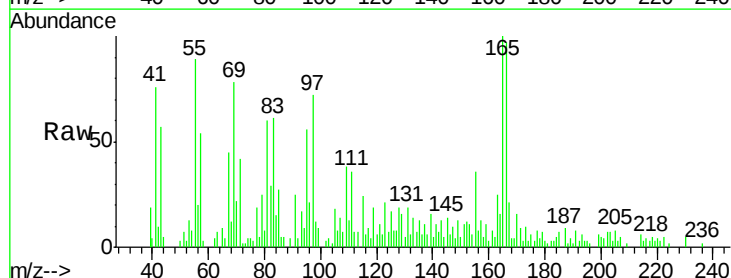
Tgt Ion:166 Resp: 25462

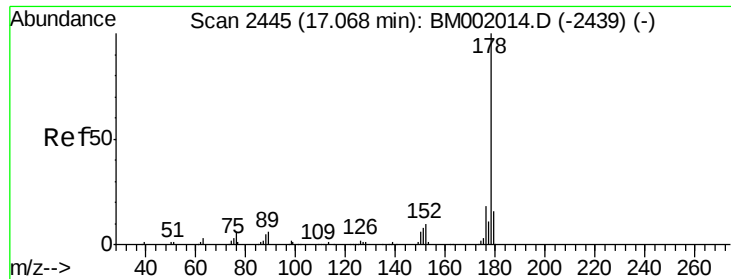
Ion Ratio Lower Upper

166 100

165 103.2 76.7 115.1

167 21.8 10.6 15.8#





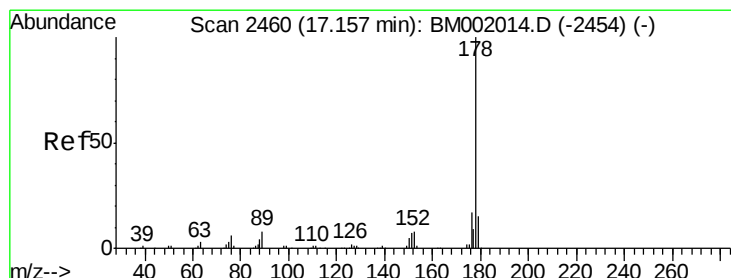
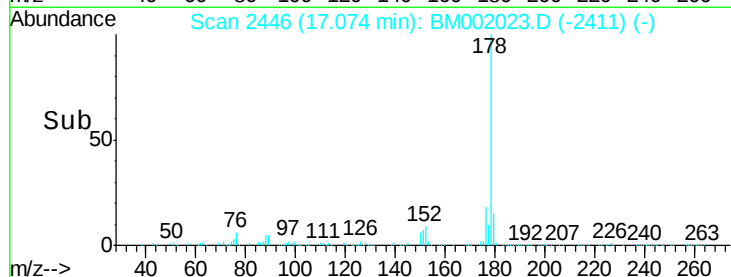
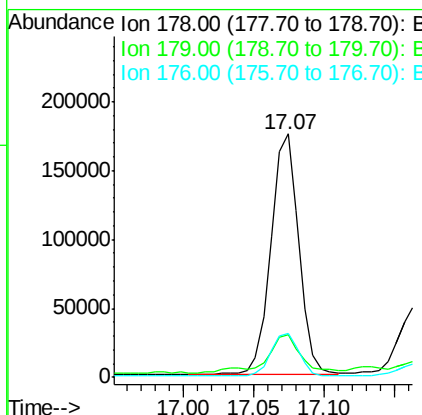
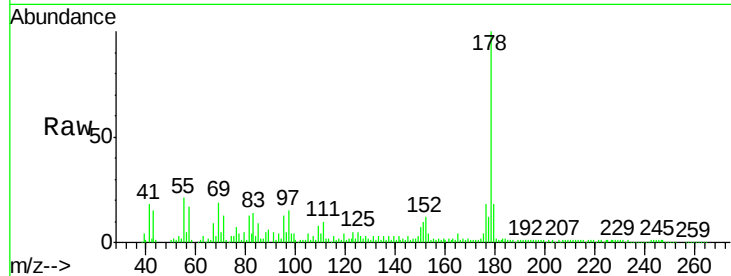
#69
Phenanthrene
Concen: 13.67 ng/ul
RT: 17.07 min Scan# 2446
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Instrument :
BNA_M
ClientSampleId :
C02J2RE

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.6	12.1	18.1
176	18.0	14.6	21.8

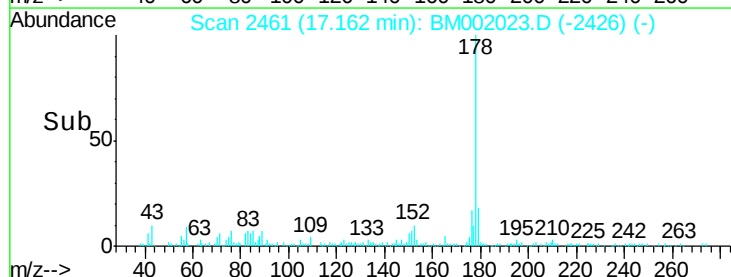
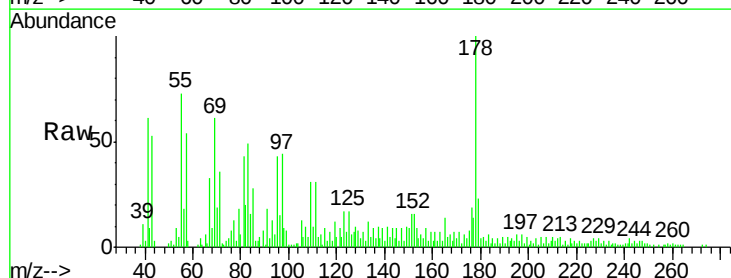
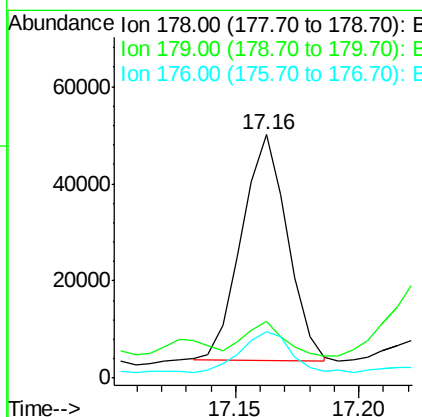
Manual Integrations
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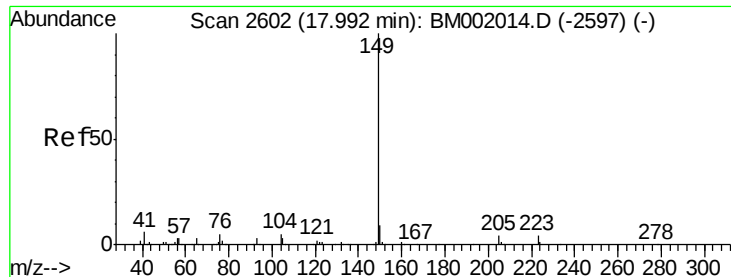
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#71
Anthracene
Concen: 3.24 ng/ul m
RT: 17.16 min Scan# 2461
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	23.1	12.4	18.6#
176	19.1	14.3	21.5





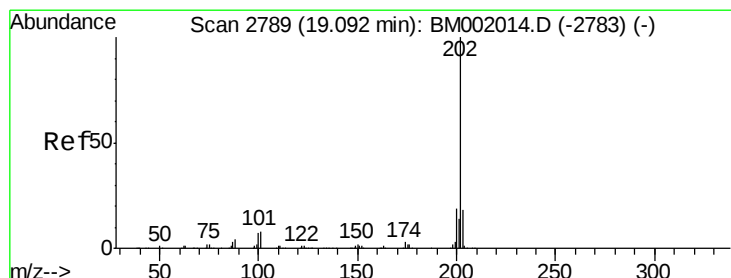
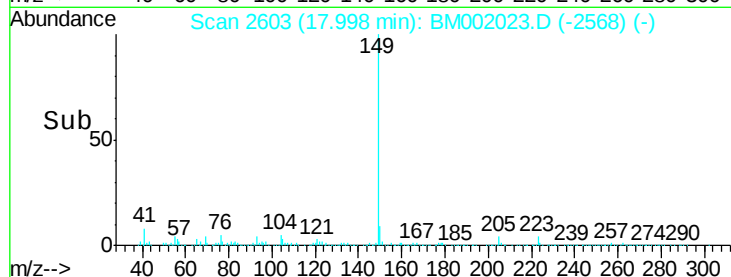
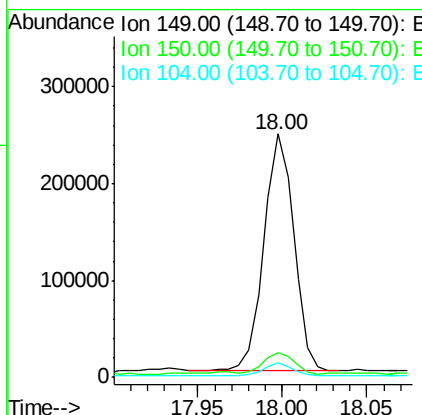
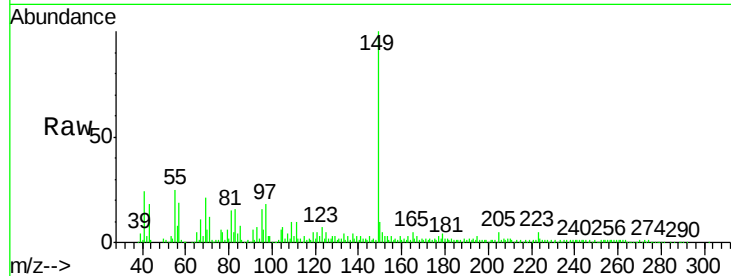
#75
Di-n-butylphthalate
Concen: 15.83 ng/ul
RT: 18.00 min Scan# 2603
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Instrument :
BNA_M
ClientSampleId :
C02J2RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	10.3	7.3	10.9
104	5.7	4.3	6.5

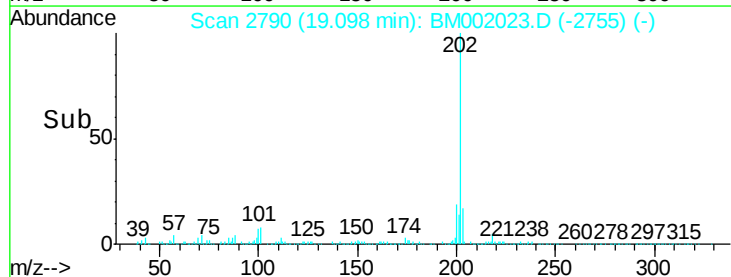
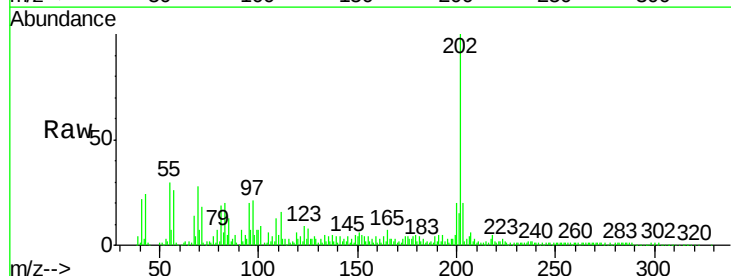
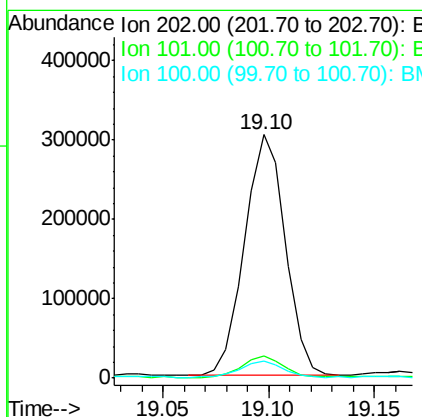
Manual Integrations
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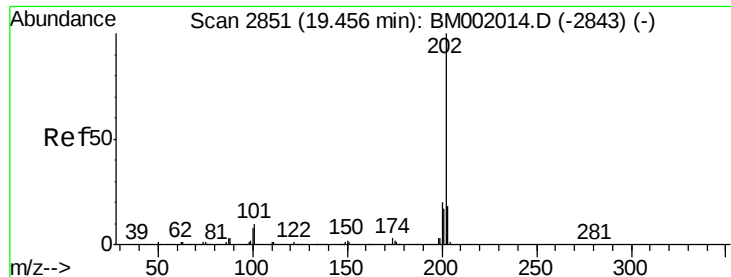
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#76
Fluoranthene
Concen: 19.49 ng/ul
RT: 19.10 min Scan# 2790
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.0	6.3	9.5
100	7.2	5.0	7.4





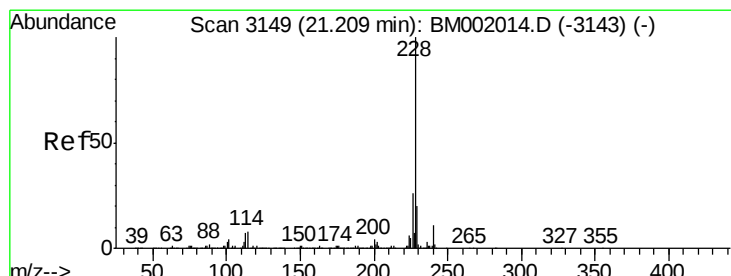
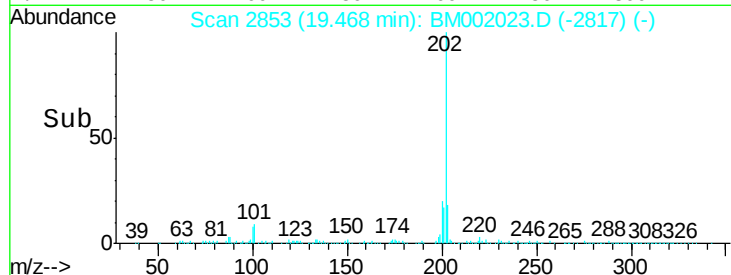
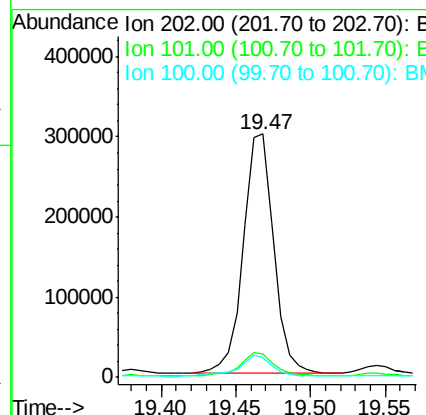
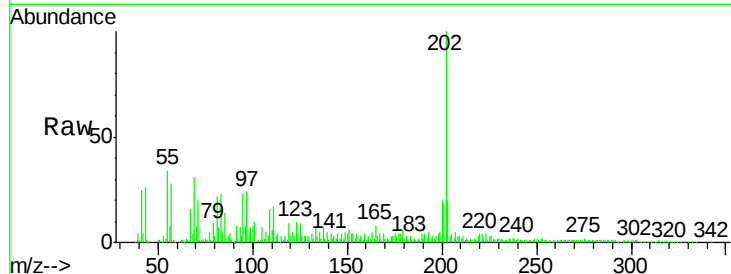
#79
 Pyrene
 Concen: 17.60 ng/ul
 RT: 19.47 min Scan# 2853
 Delta R.T. 0.01 min
 Lab File: BM002023.D
 Acq: 23 Jul 2015 19:12

Instrument :
 BNA_M
 ClientSampleId :
 C02J2RE

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		423781		
101	9.7	7.3	10.9		
100	8.1	6.2	9.4		

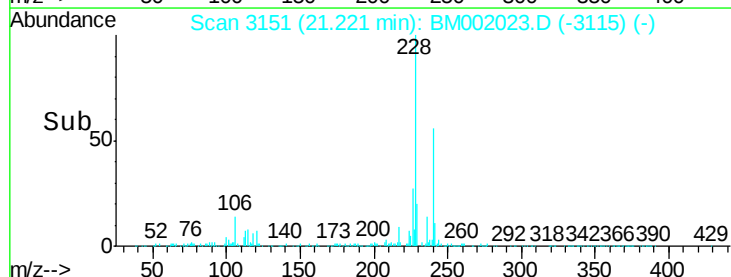
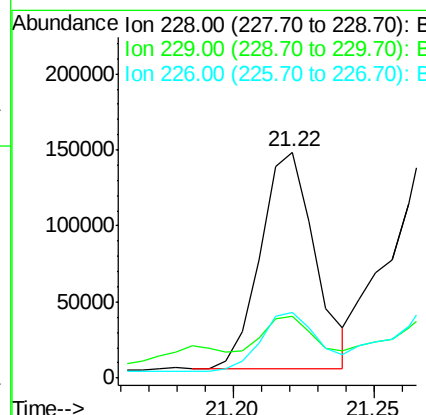
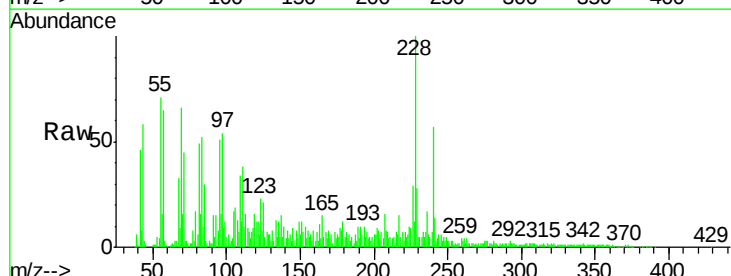
Manual Integrations
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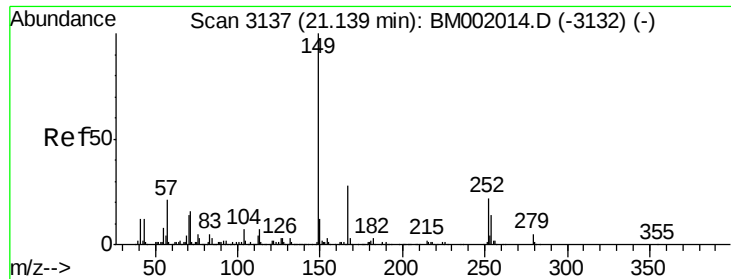
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#82
 Benzo(a)anthracene
 Concen: 7.91 ng/ul
 RT: 21.22 min Scan# 3151
 Delta R.T. 0.01 min
 Lab File: BM002023.D
 Acq: 23 Jul 2015 19:12

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		189338		
229	27.6	15.4	23.2#		
226	28.8	20.7	31.1		





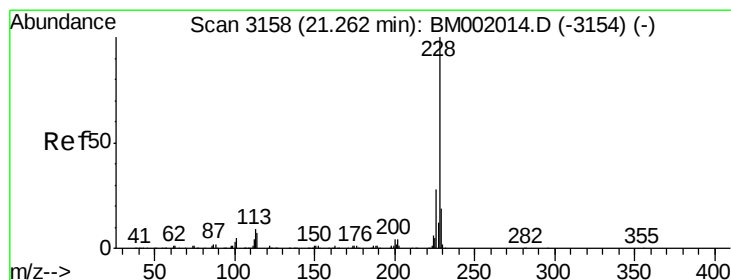
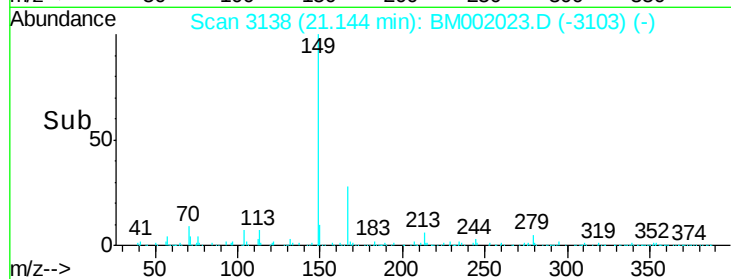
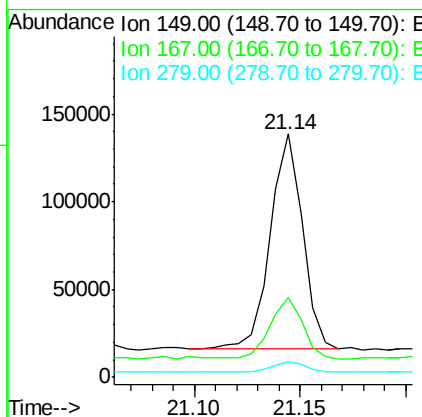
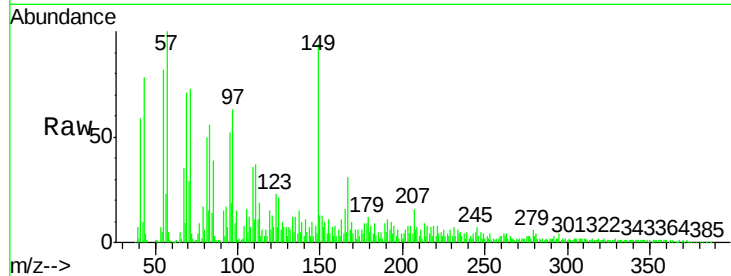
#83
Bis(2-ethylhexyl)phthalate
Concen: 9.74 ng/ul
RT: 21.14 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Instrument :
BNA_M
ClientSampleId :
C02J2RE

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.6	23.2	34.8
279	6.7	4.5	6.7

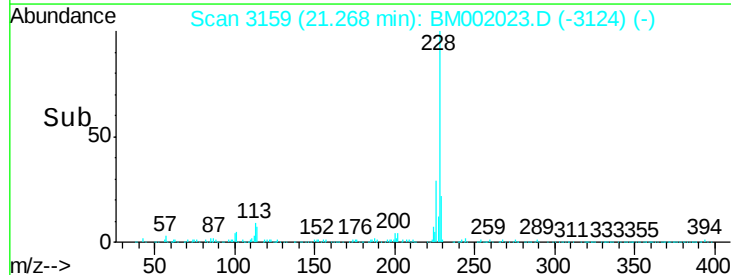
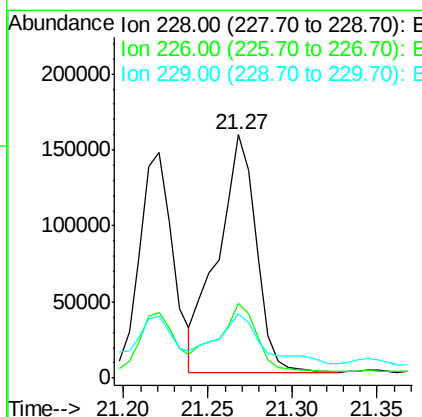
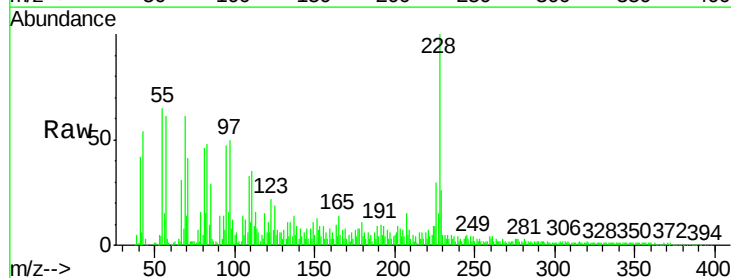
Manual Integrations
APPROVED

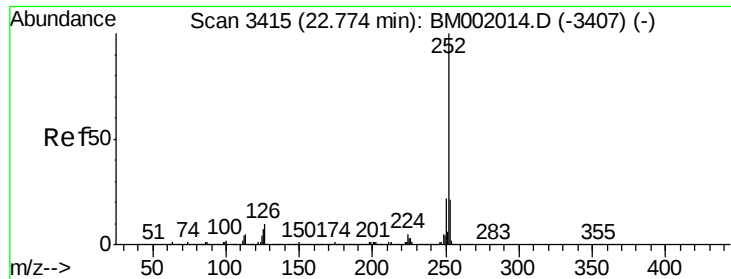
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#84
Chrysene
Concen: 11.06 ng/ul
RT: 21.27 min Scan# 3159
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.0	34.4
229	26.4	15.6	23.4#





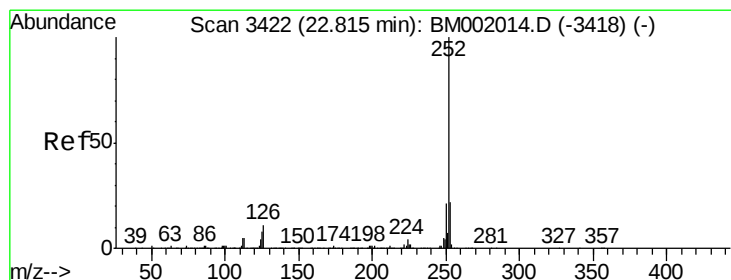
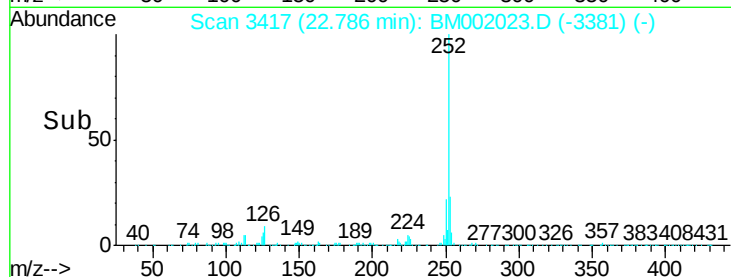
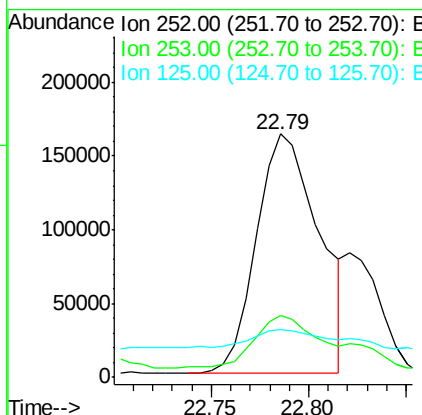
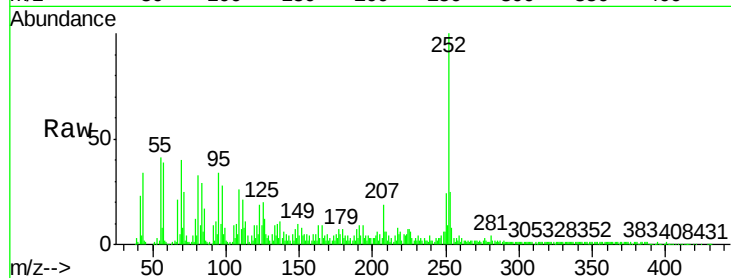
#87
Benzo(b)fluoranthene
Concen: 14.66 ng/ul
RT: 22.79 min Scan# 3417
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Instrument :
BNA_M
ClientSampleId :
C02J2RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	19.6	5.3	7.9#

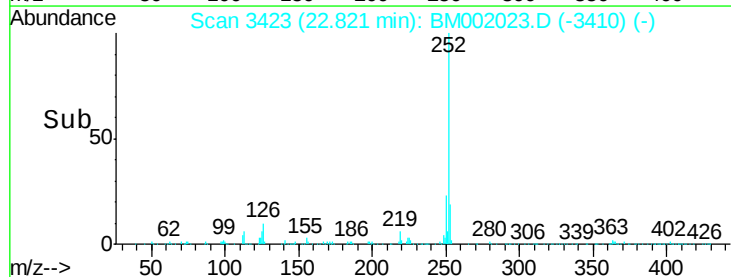
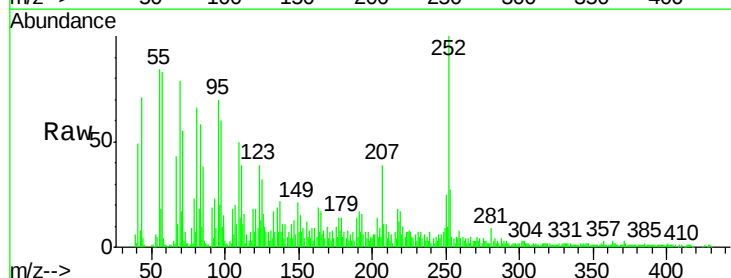
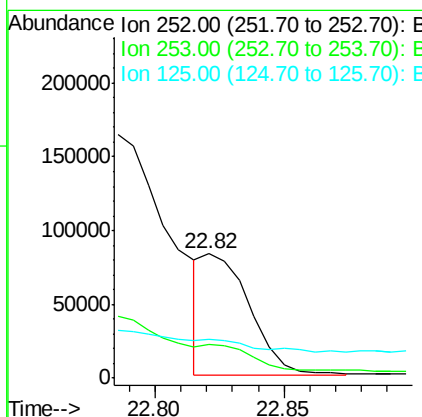
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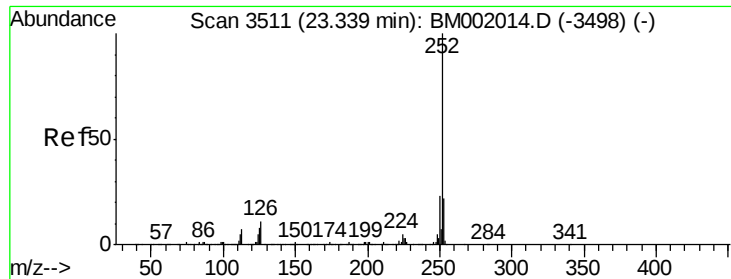
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#88
Benzo(k)fluoranthene
Concen: 4.42 ng/ul m
RT: 22.82 min Scan# 3423
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.4	26.2#
125	31.5	5.1	7.7#





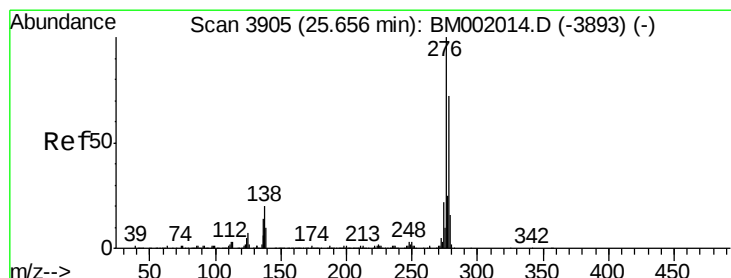
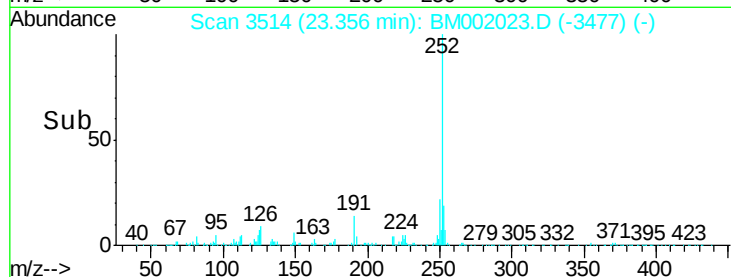
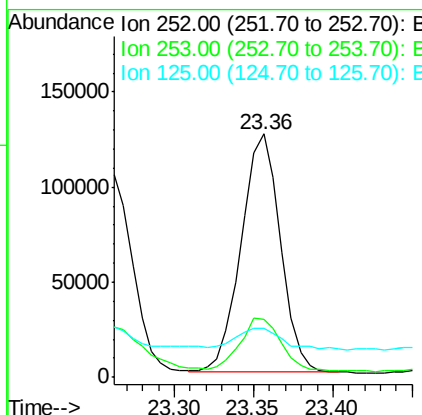
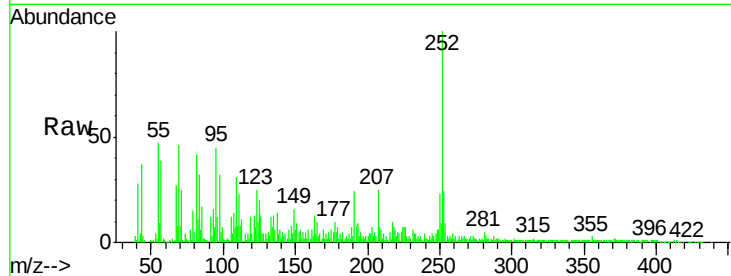
#90
Benzo(a)pyrene
Concen: 9.32 ng/ul
RT: 23.36 min Scan# 3514
Delta R.T. 0.02 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Instrument :
BNA_M
ClientSampleId :
C02J2RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.1	17.6	26.4
125	20.2	6.0	9.0#

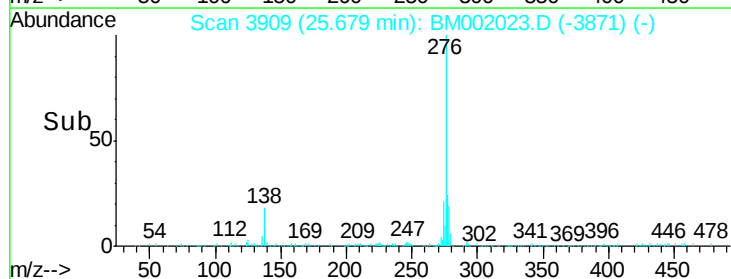
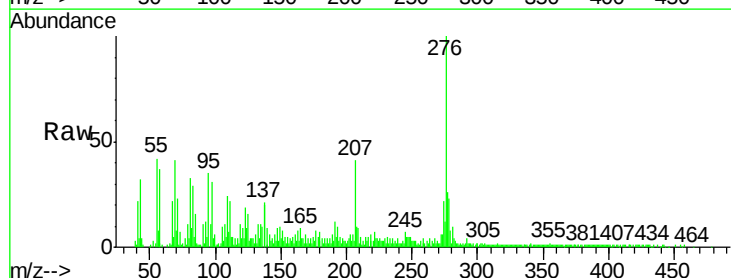
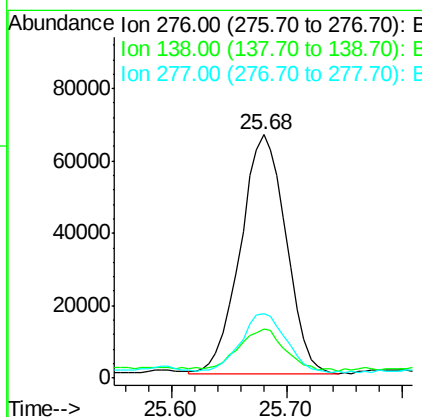
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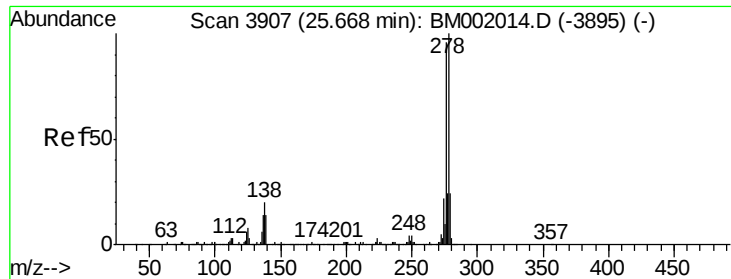
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#91
Indeno(1,2,3-cd)pyrene
Concen: 7.44 ng/ul
RT: 25.68 min Scan# 3909
Delta R.T. 0.02 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	20.4	15.2	22.8
277	26.4	20.1	30.1





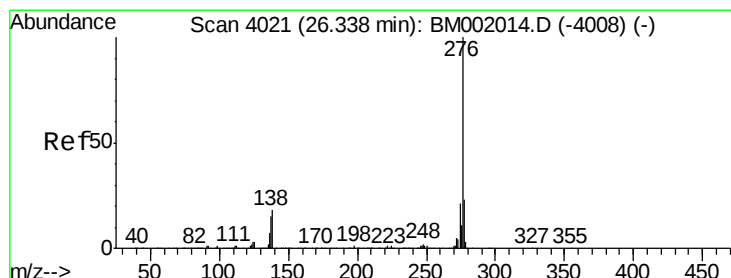
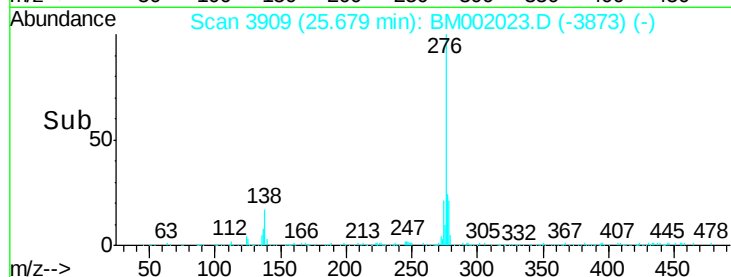
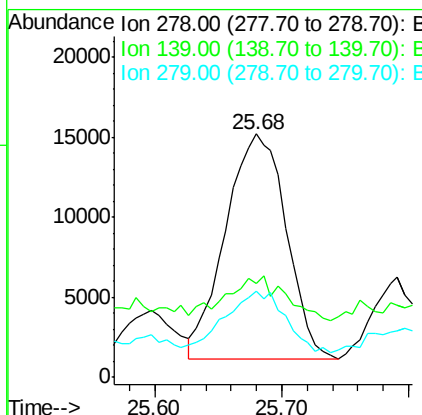
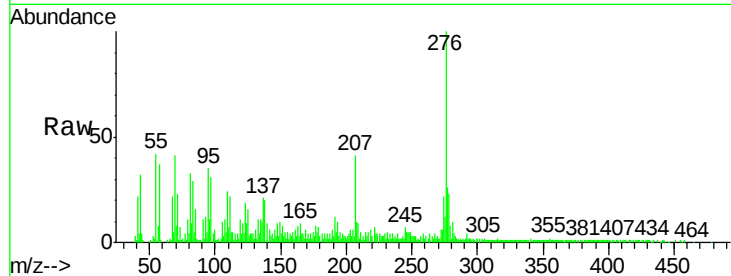
#92
Dibenzo(a,h)anthracene
Concen: 2.28 ng/ul
RT: 25.68 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Instrument :
BNA_M
ClientSampleId :
C02J2RE

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.7	9.5	14.3#
279	35.6	18.2	27.4#

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 8.91 ng/ul
RT: 26.37 min Scan# 4026
Delta R.T. 0.03 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	12.7	19.1
277	24.4	18.6	28.0

