

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
 Data File : BM012123.D
 Acq On : 13 Oct 2017 05:52
 Operator : SJ/JU
 Sample : I5533-05MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-77(0-1)-092817MSD

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:37:06 PM

Quant Time: Oct 14 23:30:14 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 14 00:15:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	471112	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1918717	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	989499	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	1887898	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	2209237	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	2448350	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	32726	3.30	ng/uL	0.00
5) Phenol-d5	7.02	99	912593	23.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.18	67	558900	24.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.38	132	811556	25.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	764189	23.22	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	388758	26.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	401889	23.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.28	165	814040	24.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	132348	4.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	2366748	27.06	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	2845737	26.88	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	252365	19.19	ng/ul	-0.01
57) Fluorene-d10	15.49	176	1844710	25.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	28753	2.22	ng/ul	0.00
70) Anthracene-d10	17.35	188	2529281	27.09	ng/ul	0.00
76) Pyrene-d10	19.64	212	2708954	24.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.63	264	3199078	27.10	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.05	94	1028099	26.02	ng/ul#	84
10) 2-Chlorophenol	7.41	128	823368	24.88	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.65	70	528937	19.73	ng/ul#	68
33) 4-Chloro-3-methylphenol	11.95	107	810900	24.05	ng/ul	95
44) Dimethylphthalate	13.95	163	418252	4.77	ng/ul	99
47) Acenaphthylene	14.22	152	202195	1.95	ng/ul	98
49) Acenaphthene	14.56	153	1646634	23.52	ng/ul	100
52) 4-Nitrophenol	14.73	109	223129	18.88	ng/ul#	81
53) Dibenzofuran	14.90	168	130488	1.29	ng/ul	98
54) 2,4-Dinitrotoluene	14.89	165	478755	18.99	ng/ul#	83
56) Diethylphthalate	15.31	149	278093	2.94	ng/ul	95
68) Pentachlorophenol	16.90	266	297936	20.87	ng/ul	97
69) Phenanthrene	17.29	178	1778472	16.56	ng/ul	99
71) Anthracene	17.38	178	455132	4.09	ng/ul	97
72) Carbazole	17.65	167	95635	1.02	ng/ul#	91
74) Fluoranthene	19.30	202	2946510	22.73	ng/ul#	90
77) Pyrene	19.67	202	5681086	38.94	ng/ul#	91
80) Benzo(a)anthracene	21.42	228	1773729	12.34	ng/ul	93
81) Bis(2-ethylhexyl)phthalate	21.32	149	126373	1.30	ng/ul#	87
82) Chrysene	21.46	228	1714253m	12.70	ng/ul	
85) Benzo(b)fluoranthene	23.07	252	2542505	15.91	ng/ul#	90
86) Benzo(k)fluoranthene	23.10	252	652266m	4.24	ng/ul	
88) Benzo(a)pyrene	23.67	252	1727601	11.47	ng/ul#	90

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 14 00:15:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.19	276	1162716	7.27	ng/ul#	89
90) Dibenzo(a,h)anthracene	26.19	278	326451	2.43	ng/ul#	47
91) Benzo(g,h,i)perylene	26.94	276	1176359	8.98	ng/ul#	86

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

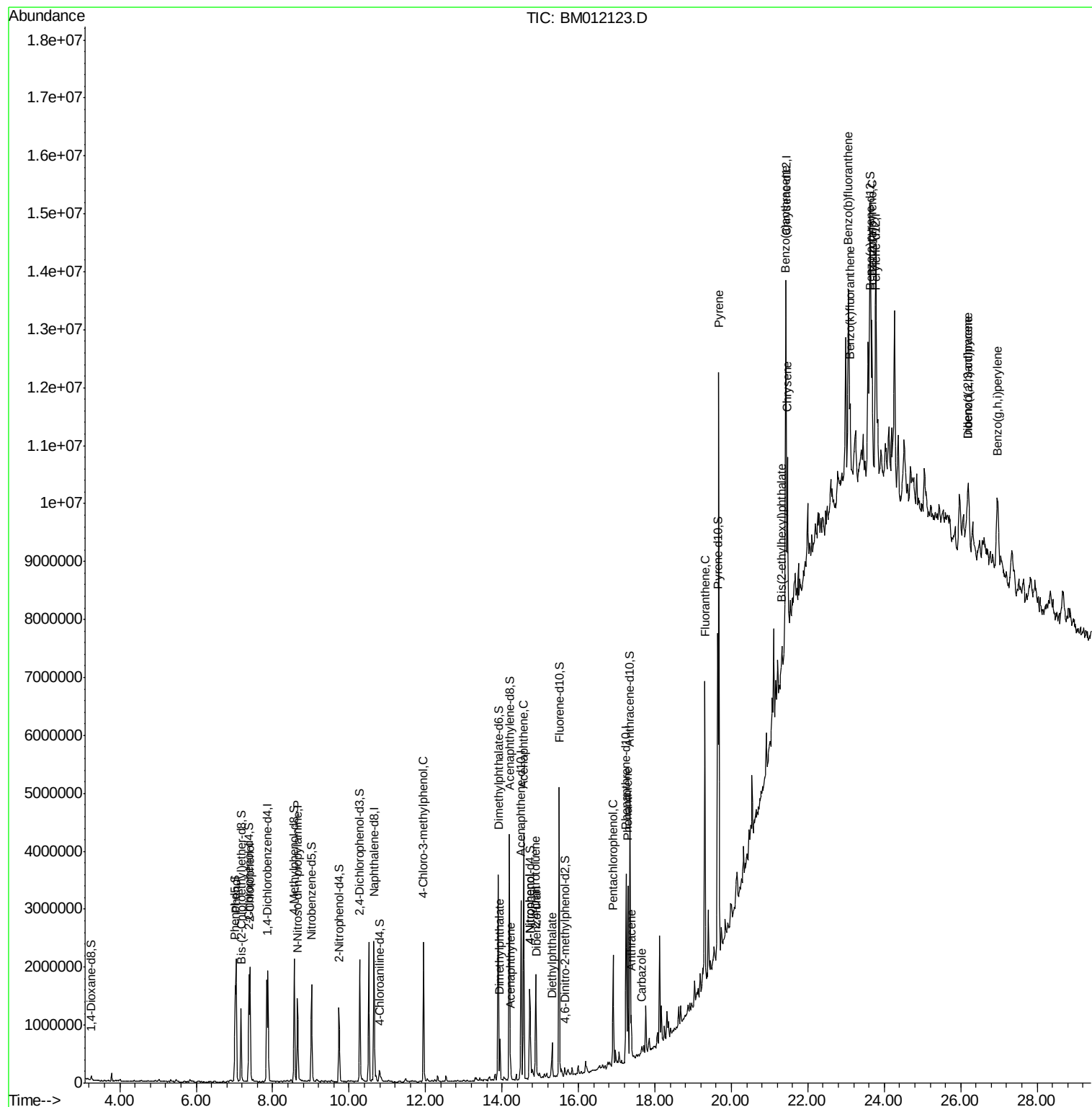
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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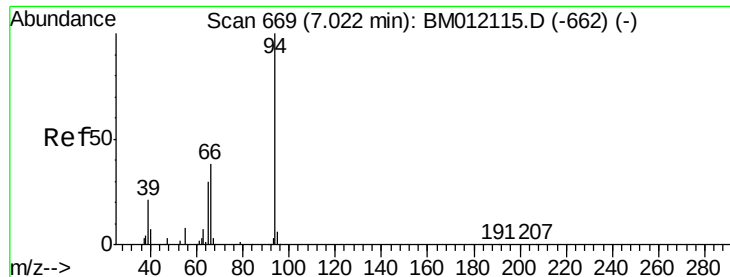
Instrument :
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#6

Phenol

Concen: 26.02 ng/ul

RT: 7.05 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Instrument :

BNA_M

ClientSampleId :

B-77(0-1)-092817MSD

Tgt Ion: 94 Resp: 1028099

Ion Ratio Lower Upper

94 100

65 31.2 28.2 42.4

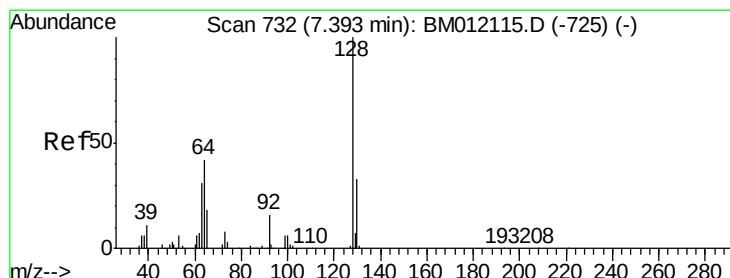
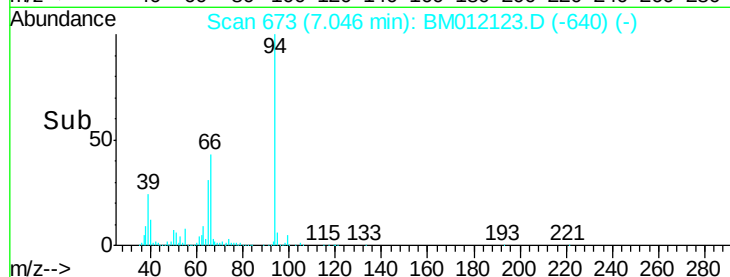
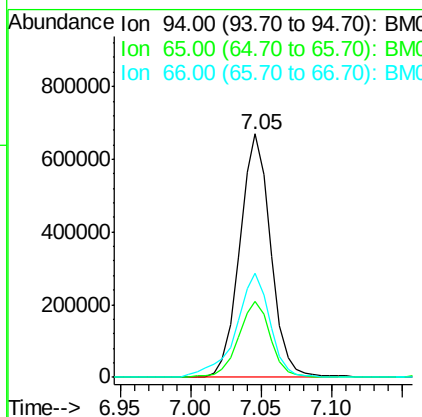
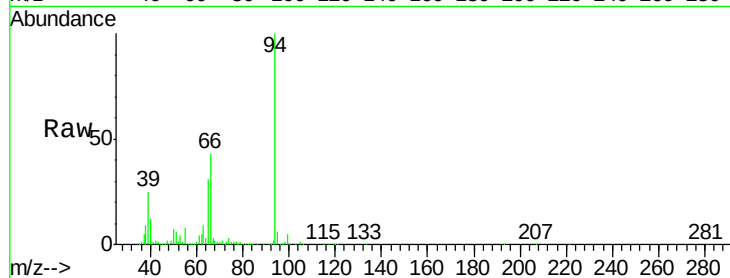
66 42.9 47.2 70.8#

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#10

2-Chlorophenol

Concen: 24.88 ng/ul

RT: 7.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

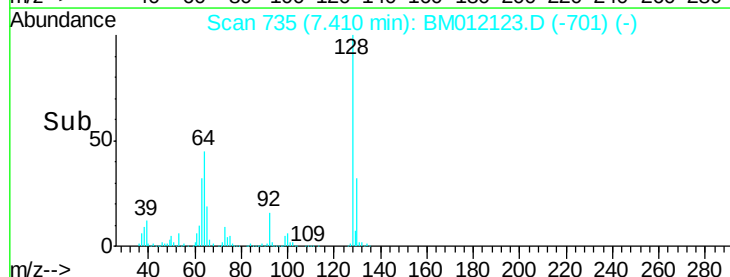
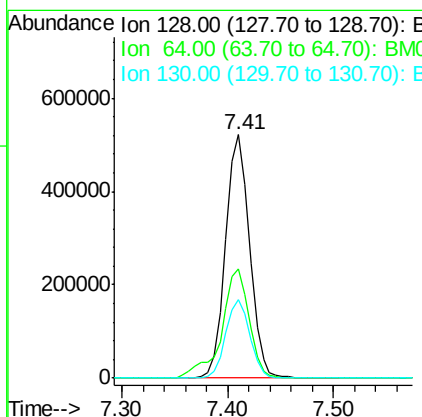
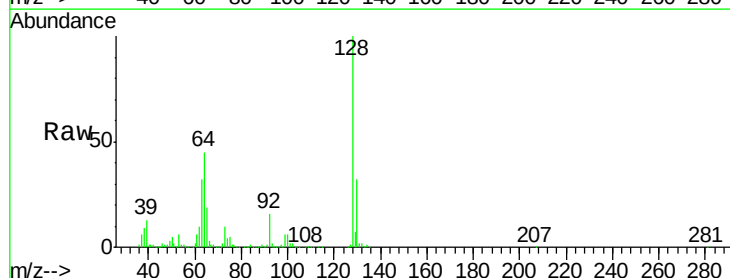
Tgt Ion: 128 Resp: 823368

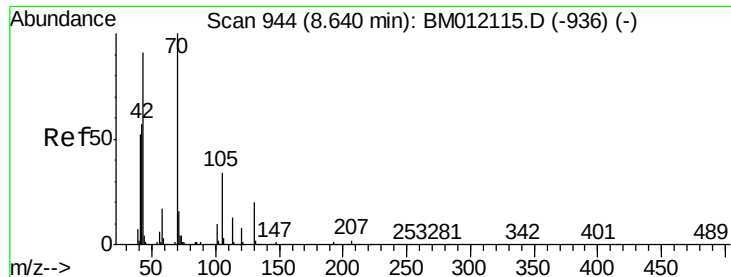
Ion Ratio Lower Upper

128 100

64 45.0 38.0 57.0

130 32.3 24.4 36.6





#15

N-Nitroso-di-n-propylamine

Concen: 19.73 ng/ul

RT: 8.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Instrument :

BNA_M

ClientSampleId :

B-77(0-1)-092817MSD

Tgt Ion: 70 Resp: 528937
Ion Ratio Lower Upper

70 100

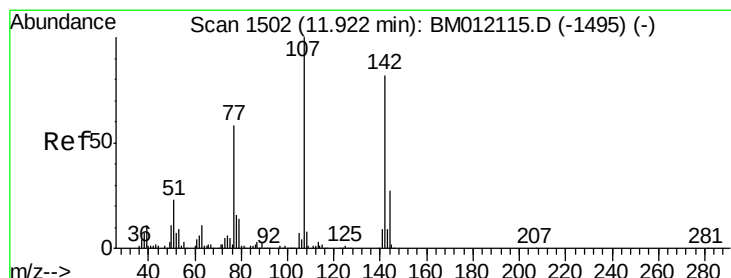
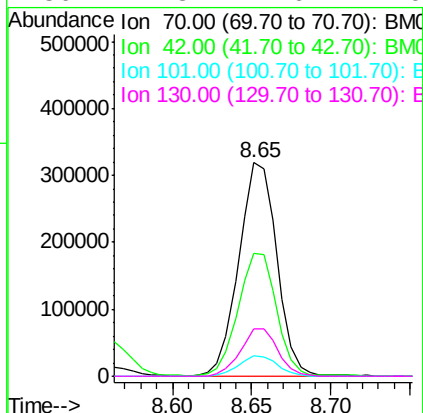
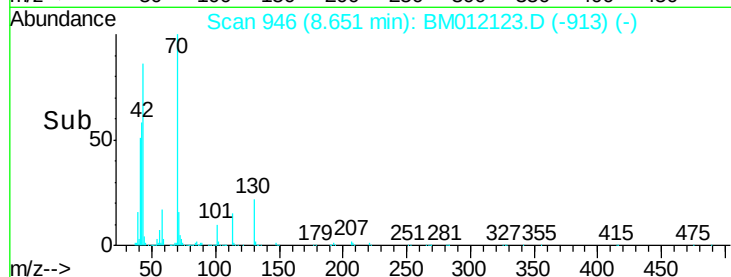
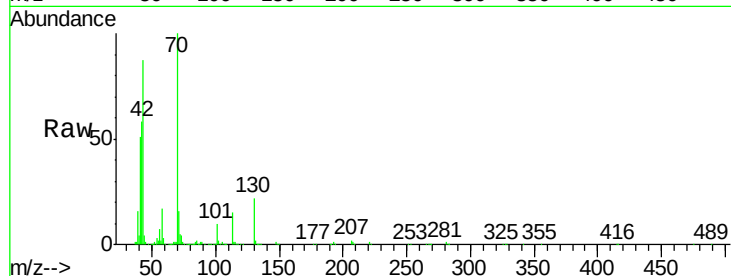
42 57.7 76.0 114.0#

101 9.6 6.7 10.1

130 22.3 14.6 22.0#

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#33

4-Chloro-3-methylphenol

Concen: 24.05 ng/ul

RT: 11.95 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BM012123.D

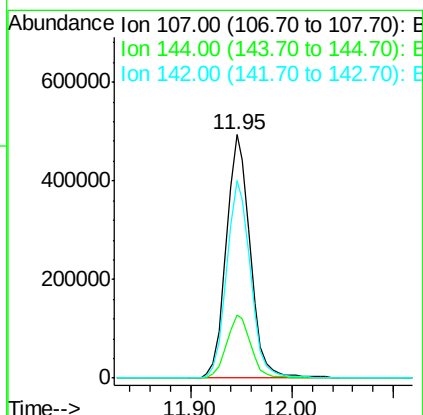
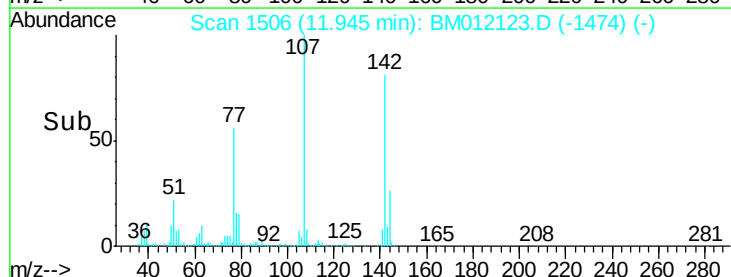
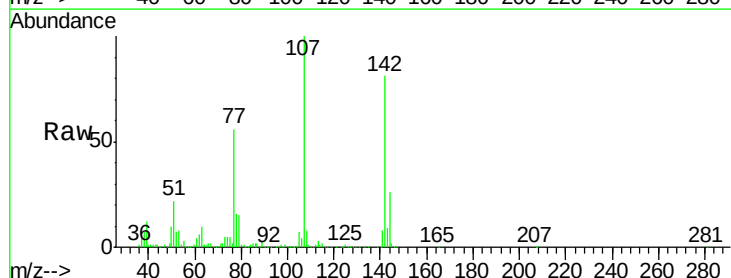
Acq: 13 Oct 2017 05:52

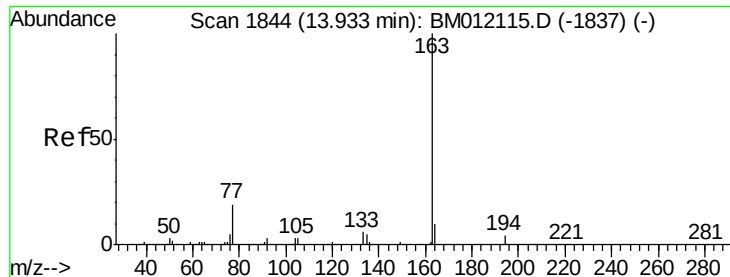
Tgt Ion: 107 Resp: 810900
Ion Ratio Lower Upper

107 100

144 25.7 20.4 30.6

142 81.2 60.5 90.7





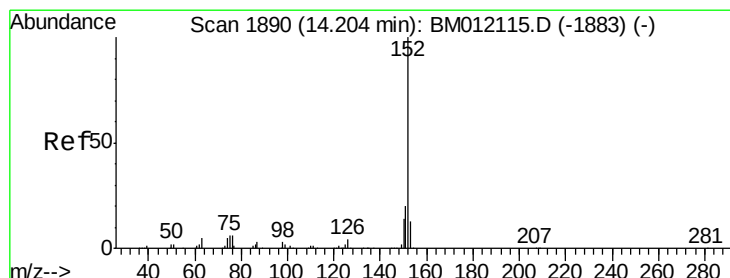
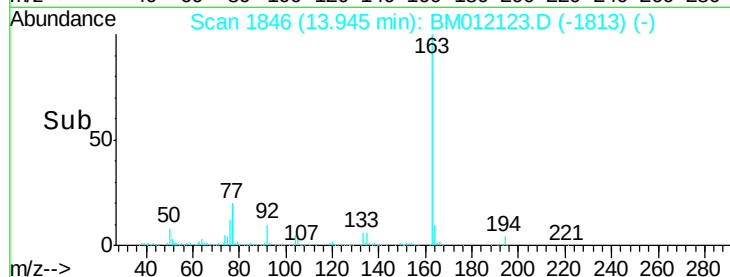
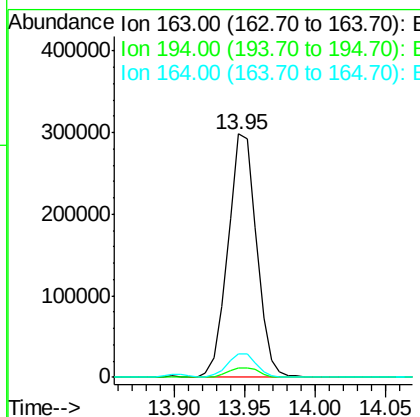
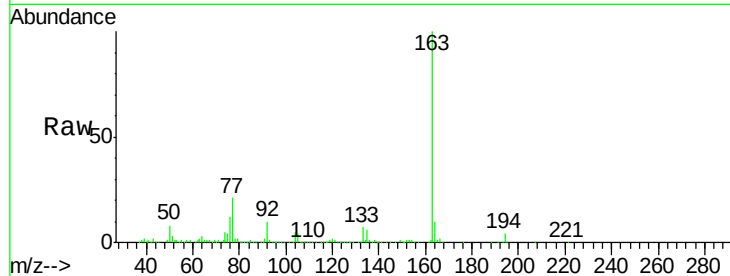
#44
Dimethylphthalate
Concen: 4.77 ng/ul
RT: 13.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

Instrument :
BNA_M
ClientSampleId :
B-77(0-1)-092817MSD

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	418252		
194	4.0	3.5	5.3	
164	9.9	8.2	12.4	

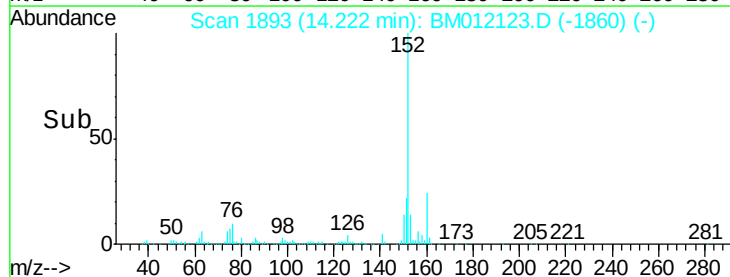
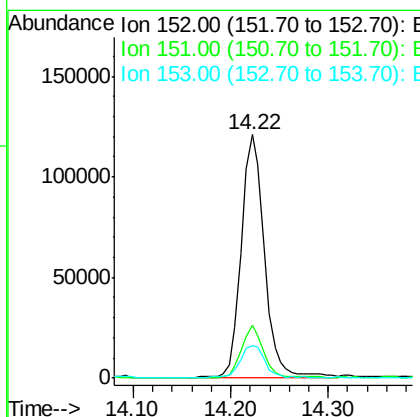
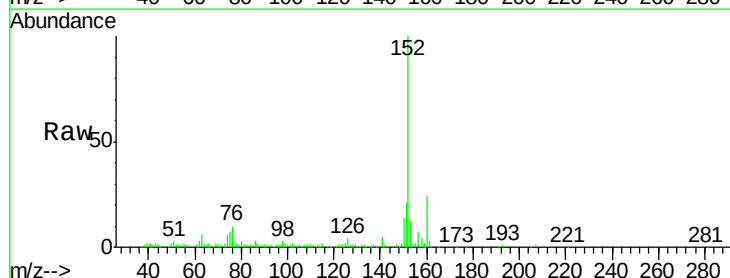
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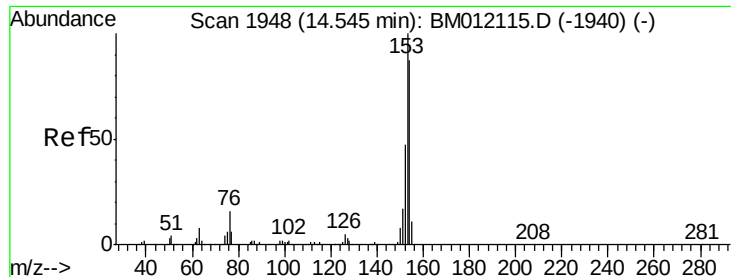
Sohil
10/15/2017 12:37:06 PM



#47
Acenaphthylene
Concen: 1.95 ng/ul
RT: 14.22 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	202195		
151	21.5	16.3	24.5	
153	13.5	10.2	15.4	





#49

Acenaphthene

Concen: 23.52 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Instrument :

BNA_M

ClientSampleId :

B-77(0-1)-092817MSD

Tgt Ion:153 Resp: 1646634

Ion Ratio Lower Upper

153 100

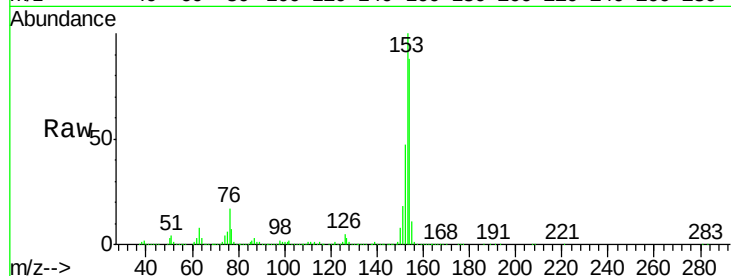
152 46.7 37.6 56.4

154 87.5 70.4 105.6

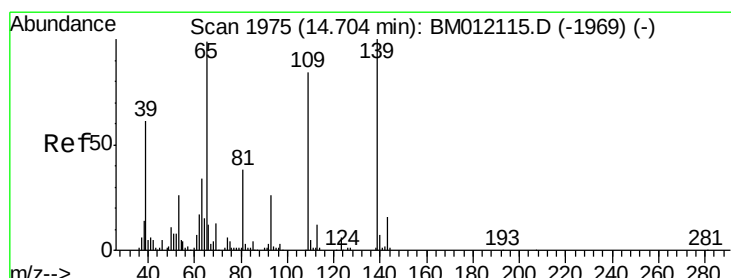
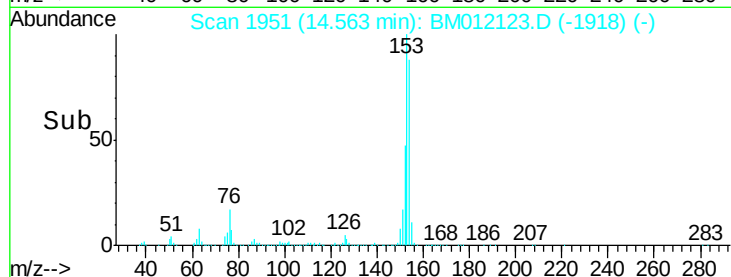
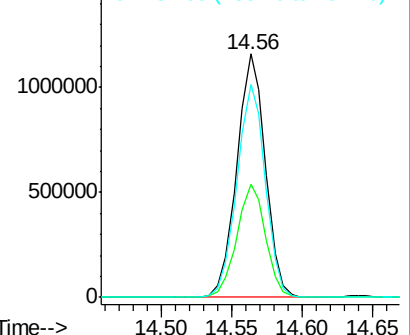
Manual Integrations
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 18.88 ng/ul

RT: 14.73 min Scan# 1980

Delta R.T. -0.02 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

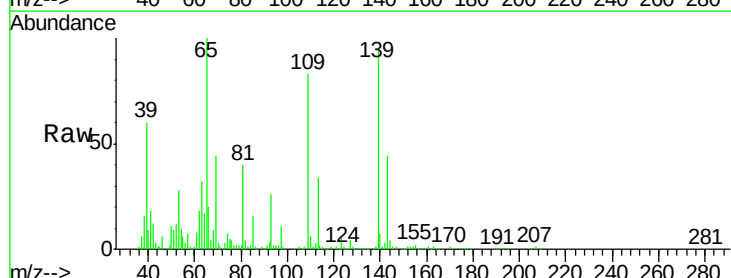
Tgt Ion:109 Resp: 223129

Ion Ratio Lower Upper

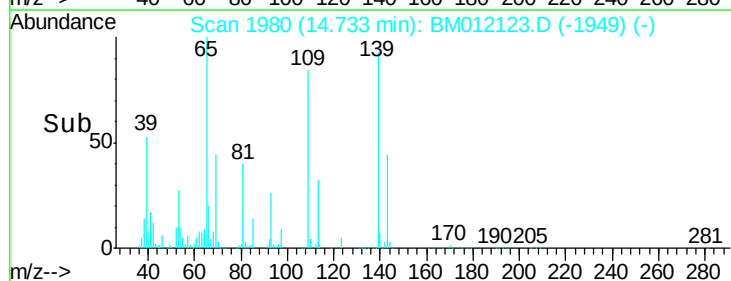
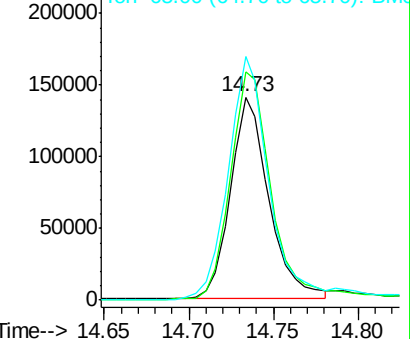
109 100

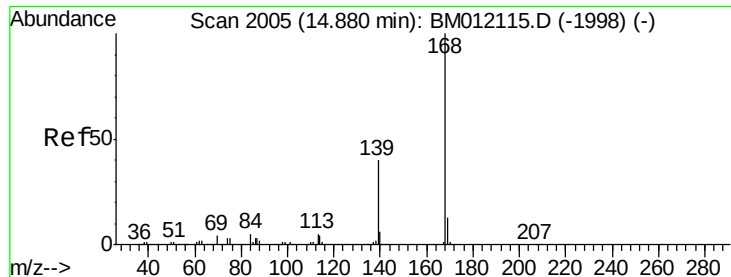
139 112.0 80.0 120.0

65 119.8 120.0 180.0#



Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BM





#53

Dibenzenofuran

Concen: 1.29 ng/ul

RT: 14.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BM012123.D

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ClientSampleId :

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Tgt Ion:168 Resp: 130488

Ion Ratio Lower Upper

168 100

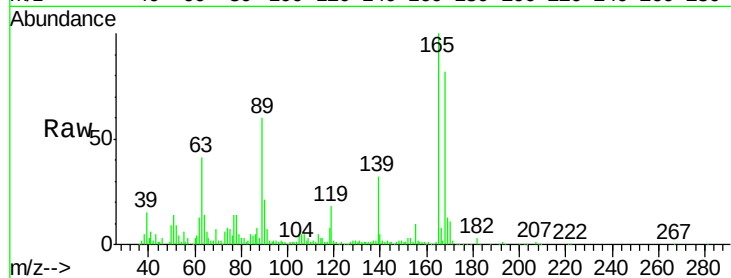
139 39.4 30.8 46.2

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

100000

80000

60000

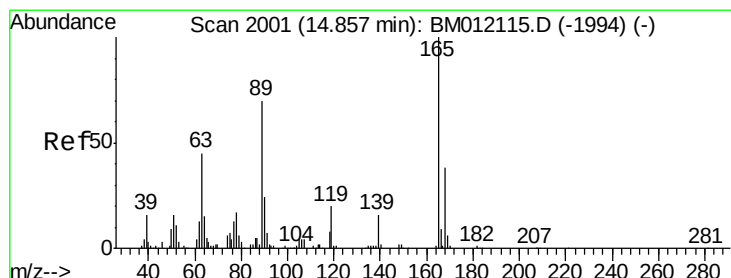
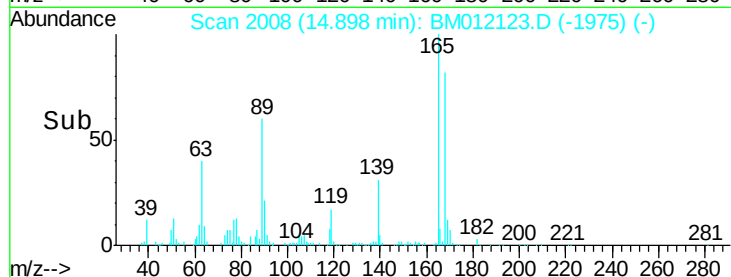
40000

20000

0

14.85 14.90 14.95

Time-->



#54

2,4-Dinitrotoluene

Concen: 18.99 ng/ul

RT: 14.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

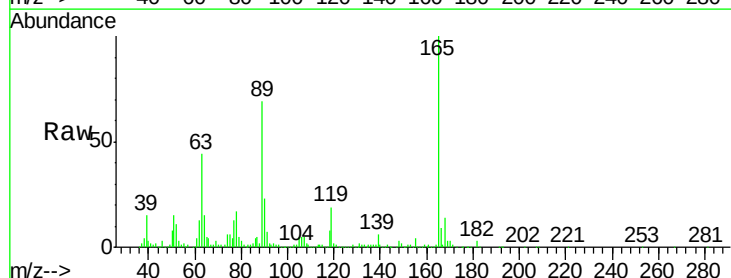
Tgt Ion:165 Resp: 478755

Ion Ratio Lower Upper

165 100

63 44.2 45.8 68.8#

182 3.1 2.6 4.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

400000

300000

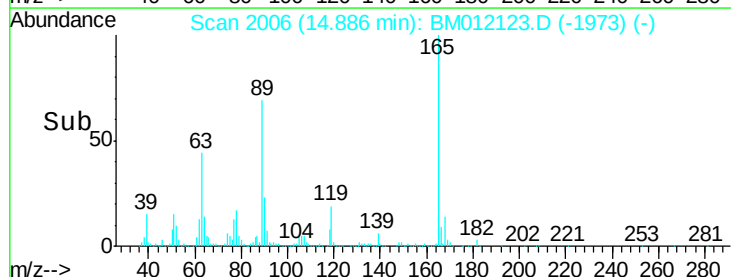
200000

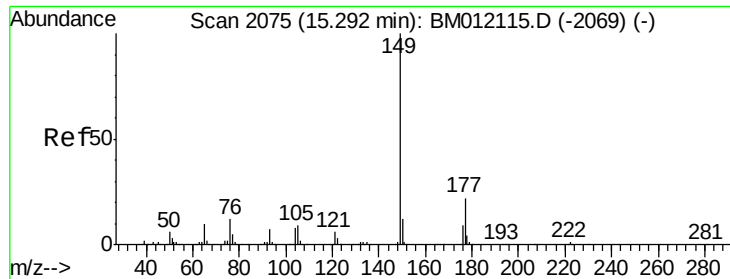
100000

0

14.85 14.90 14.95

Time-->





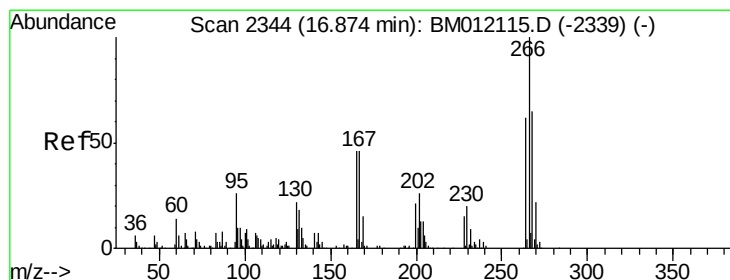
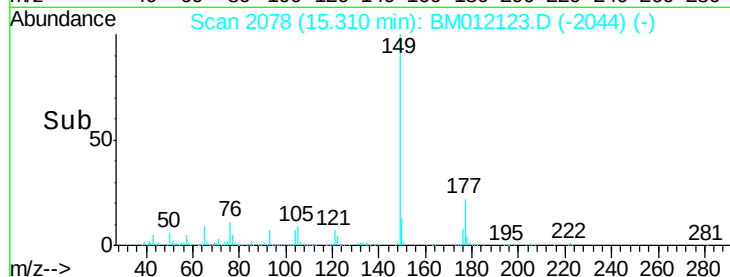
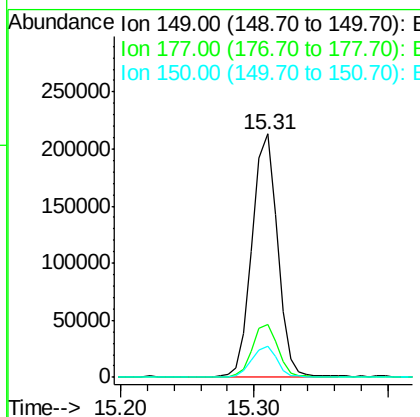
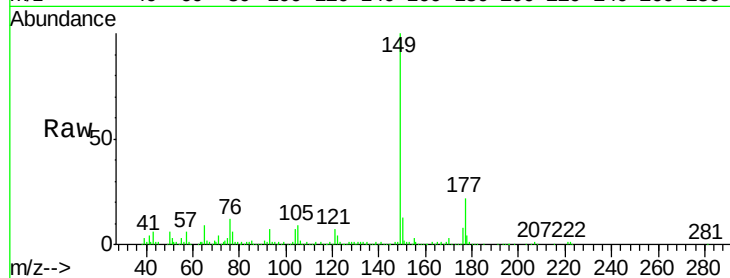
#56
Diethylphthalate
Concen: 2.94 ng/ul
RT: 15.31 min Scan# 2078
Delta R.T. 0.00 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

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Tgt Ion	Ratio	Resp	Lower	Upper
149	100	278093		
177	21.7	20.5	30.7	
150	13.0	10.6	15.8	

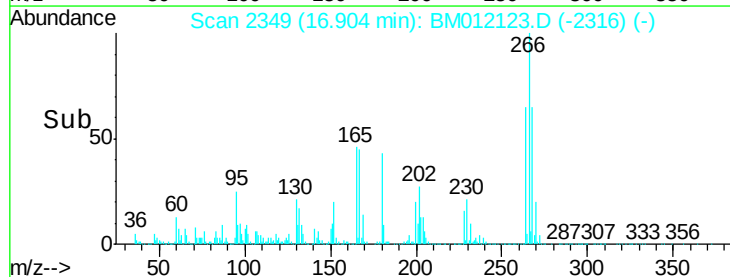
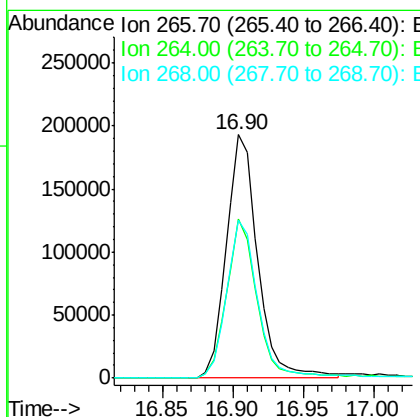
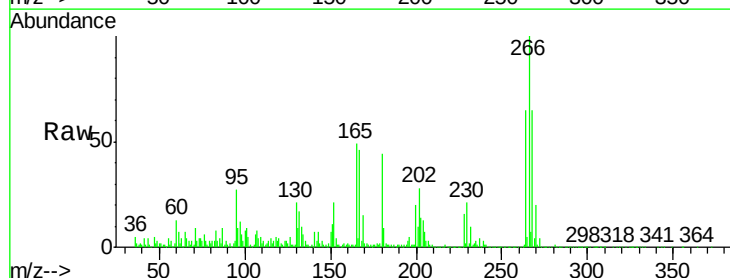
Manual Integrations
APPROVED

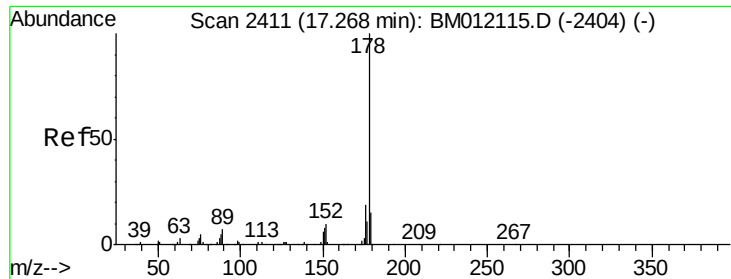
Sohil
10/15/2017 12:37:06 PM



#68
Pentachlorophenol
Concen: 20.87 ng/ul
RT: 16.90 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	297936		
264	65.3	49.3	73.9	
268	64.8	52.6	78.8	





#69

Phenanthrene

Concen: 16.56 ng/ul

RT: 17.29 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Instrument :

BNA_M

ClientSampleId :

B-77(0-1)-092817MSD

Tgt Ion:178 Resp: 1778472

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

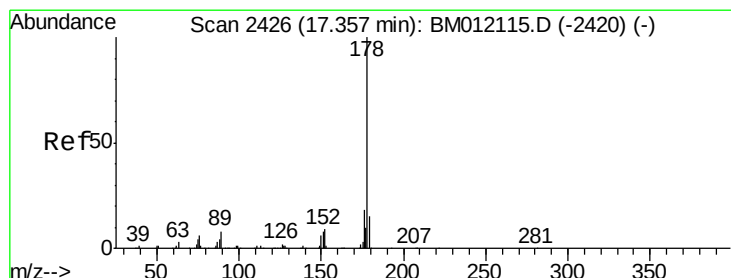
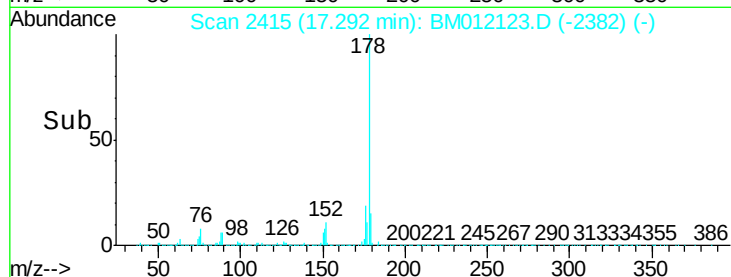
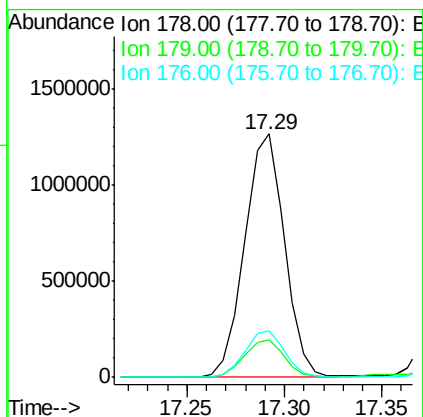
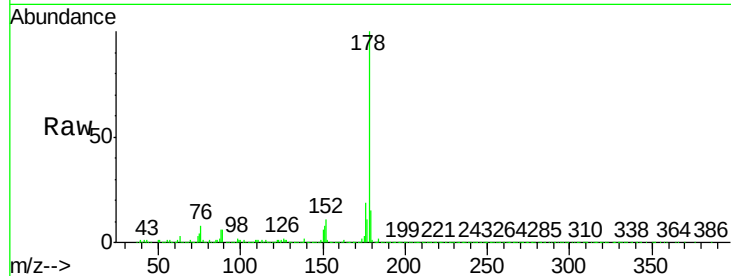
176 19.2 14.9 22.3

Manual Integrations

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#71

Anthracene

Concen: 4.09 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

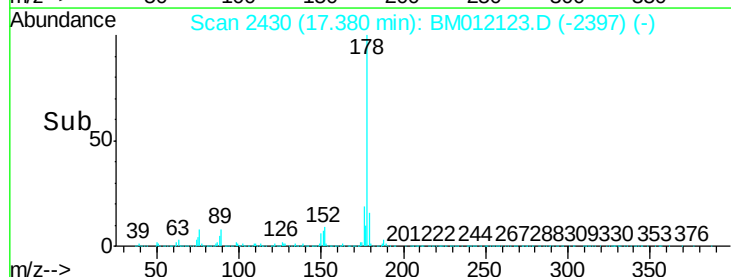
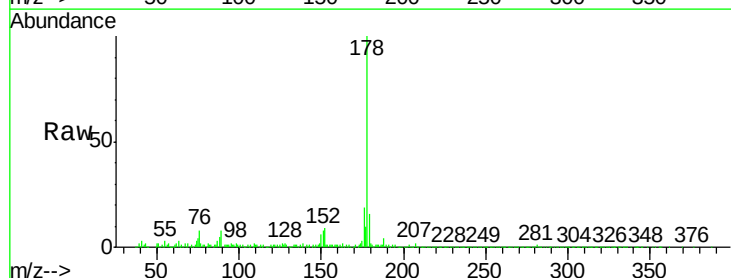
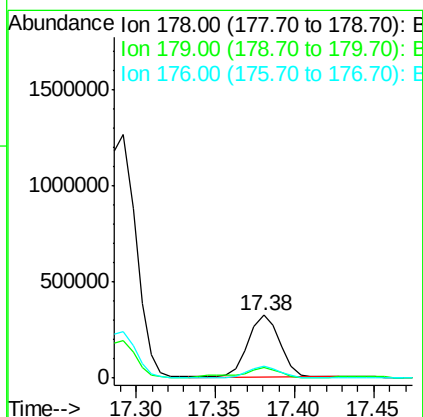
Tgt Ion:178 Resp: 455132

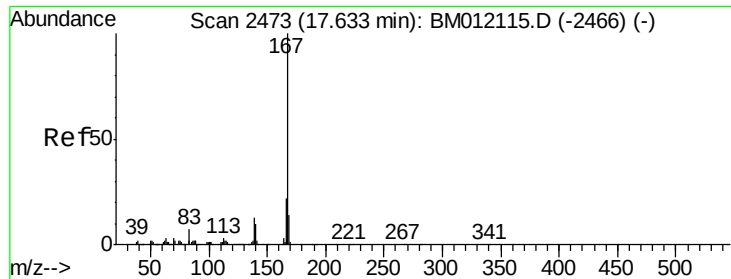
Ion Ratio Lower Upper

178 100

179 16.3 11.7 17.5

176 19.2 14.6 21.8





#72

Carbazole

Concen: 1.02 ng/ul

RT: 17.65 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Instrument :

BNA_M

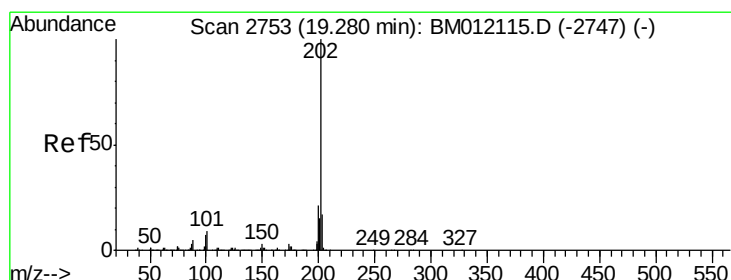
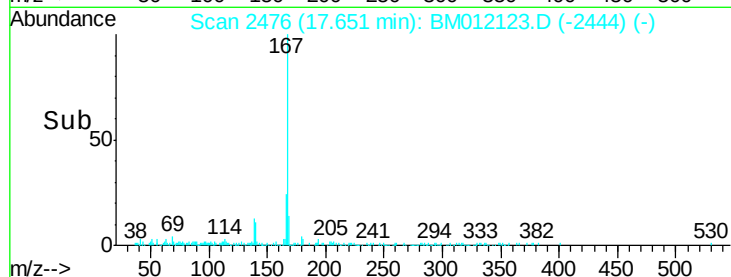
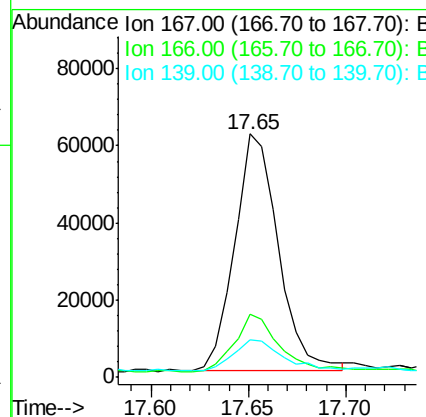
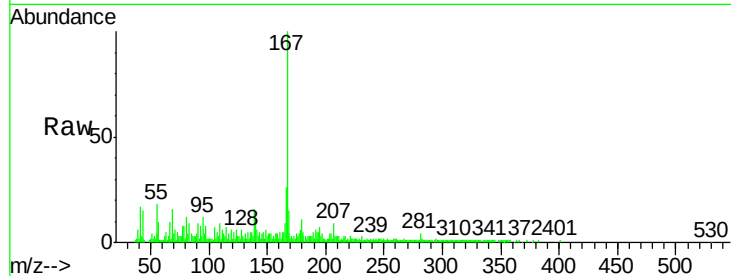
ClientSampleId :

B-77(0-1)-092817MSD

Tgt Ion:	167	Resp:	95635
Ion Ratio		Lower	Upper
167	100		
166	25.8	17.1	25.7#
139	15.6	10.0	15.0#

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#74

Fluoranthene

Concen: 22.73 ng/ul

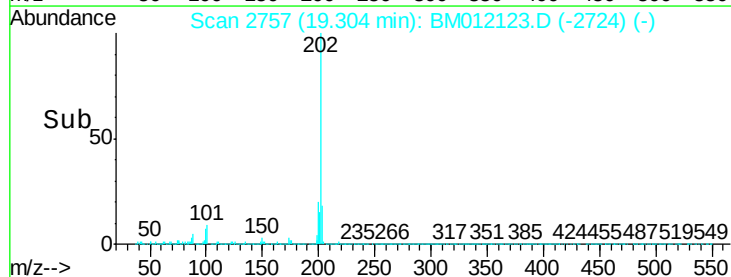
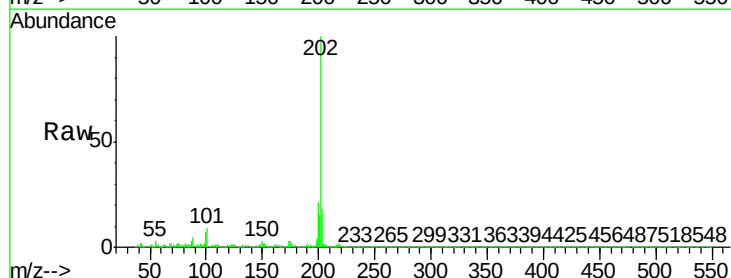
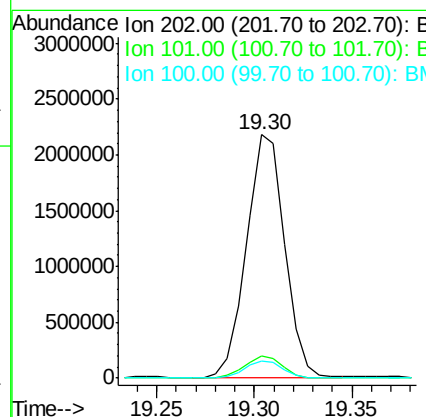
RT: 19.30 min Scan# 2757

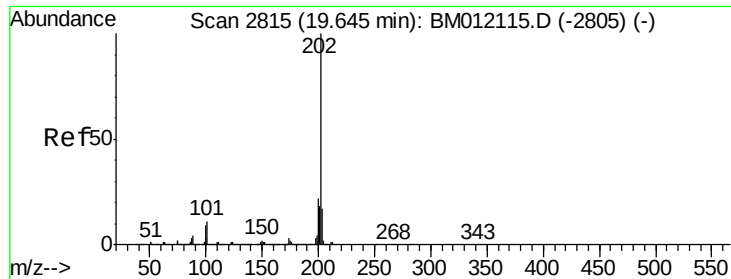
Delta R.T. -0.01 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Tgt Ion:	202	Resp:	2946510
Ion Ratio		Lower	Upper
202	100		
101	9.2	4.6	7.0#
100	7.2	3.4	5.2#





#77

Pyrene

Concen: 38.94 ng/ul

RT: 19.67 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Instrument :

BNA_M

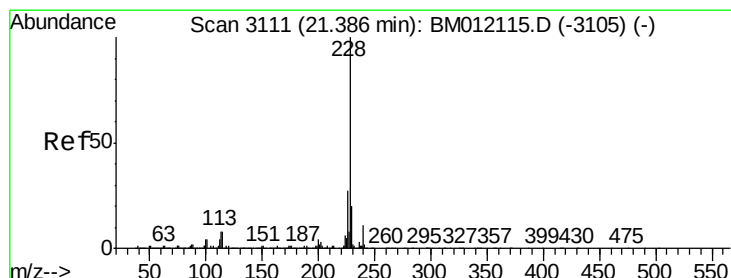
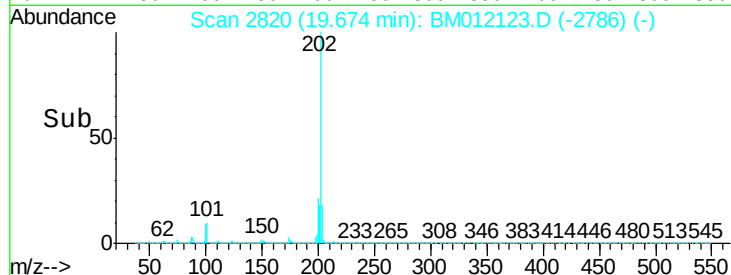
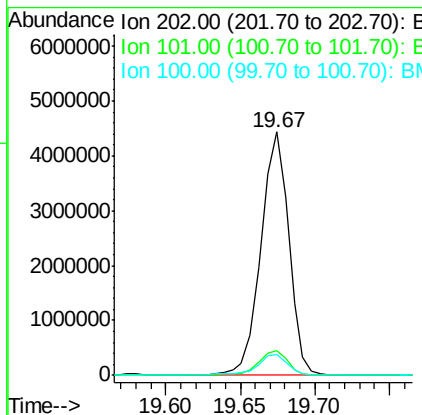
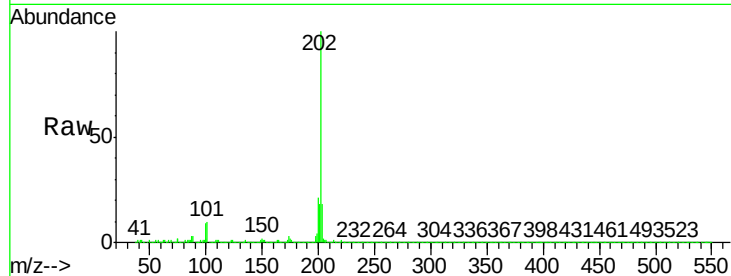
ClientSampleId :

B-77(0-1)-092817MSD

Tgt Ion:	202	Resp:	5681086
Ion Ratio	Lower	Upper	
202	100		
101	10.3	5.1	7.7#
100	8.5	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 12.34 ng/ul

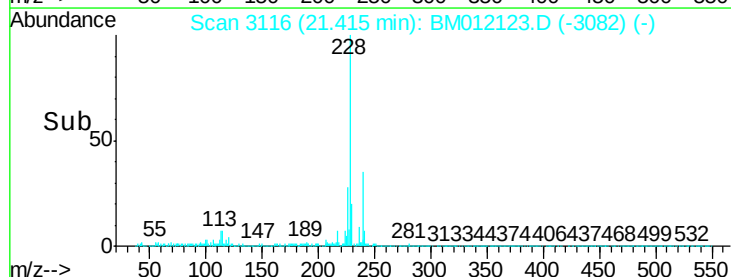
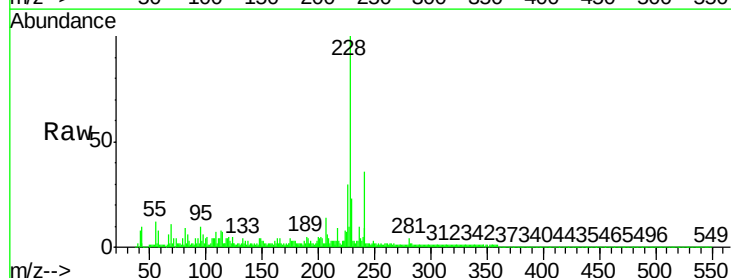
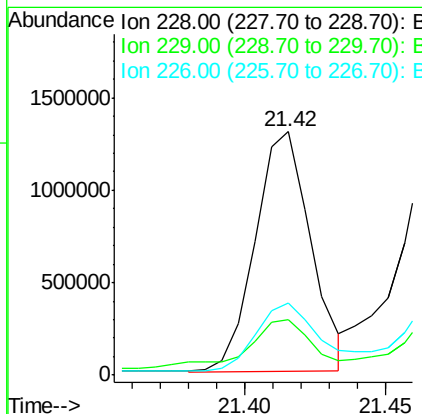
RT: 21.42 min Scan# 3116

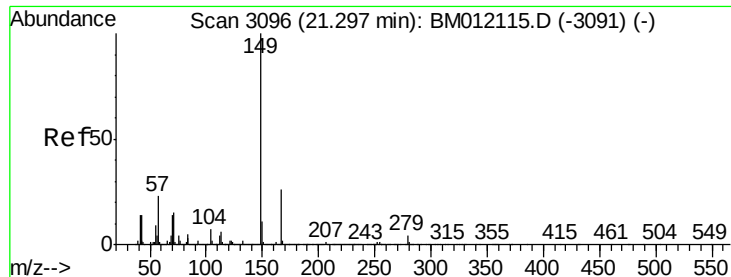
Delta R.T. 0.00 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Tgt Ion:	228	Resp:	1773729
Ion Ratio	Lower	Upper	
228	100		
229	22.8	15.4	23.0
226	29.6	21.4	32.0





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.30 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Instrument :

BNA_M

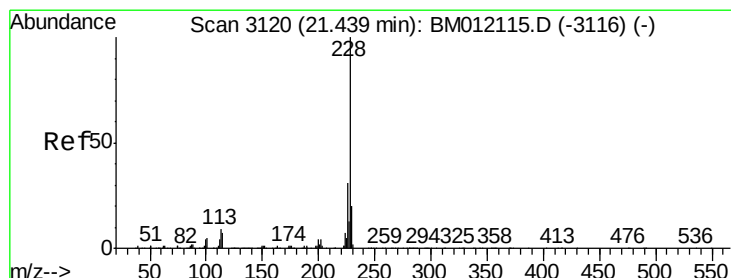
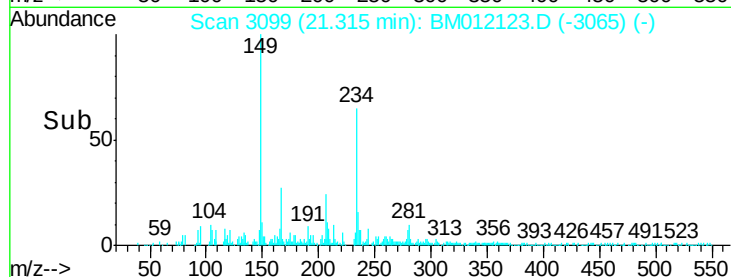
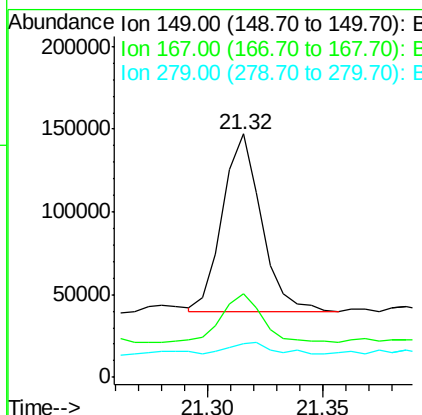
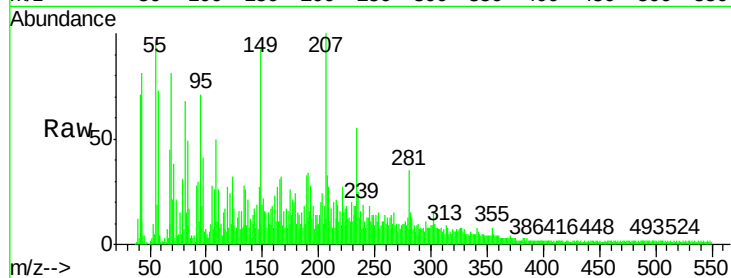
ClientSampleId :

B-77(0-1)-092817MSD

Tgt Ion:	149	Resp:	126373
Ion Ratio	Lower	Upper	
149	100		
167	34.1	22.8	34.2
279	13.9	4.9	7.3#

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#82

Chrysene

Concen: 12.70 ng/ul m

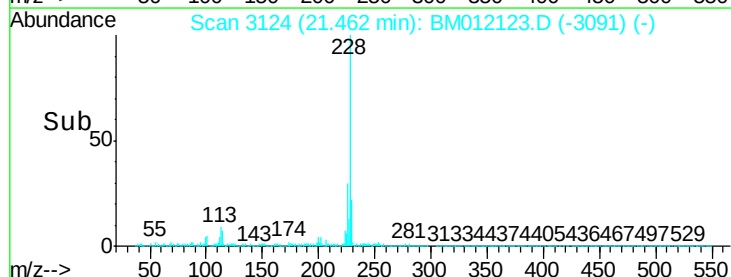
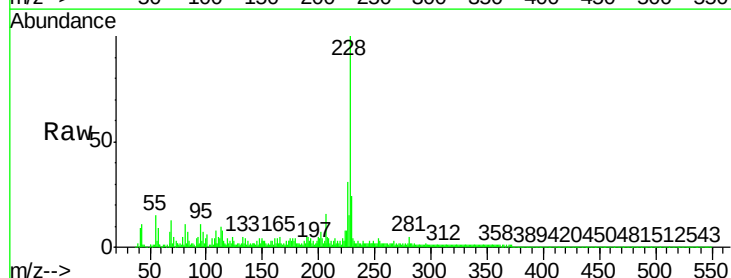
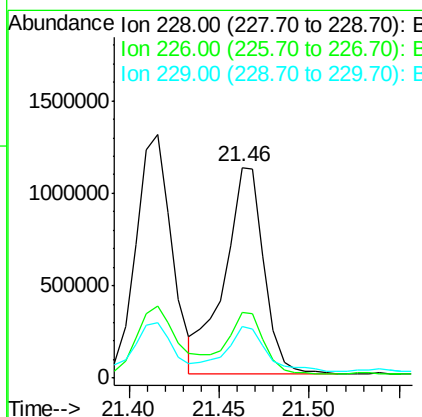
RT: 21.46 min Scan# 3124

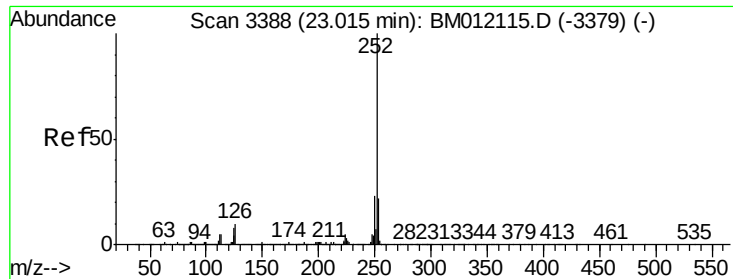
Delta R.T. -0.01 min

Lab File: BM012123.D

Acq: 13 Oct 2017 05:52

Tgt Ion:	228	Resp:	1714253
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.4	35.2
229	24.2	15.5	23.3#





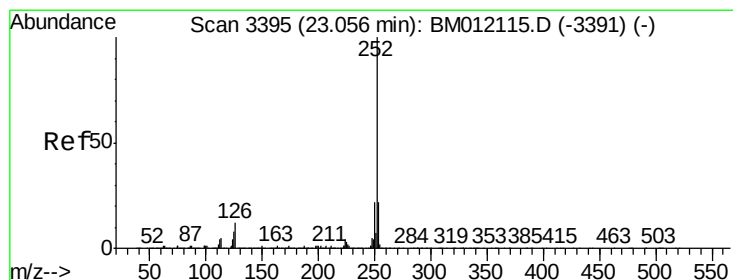
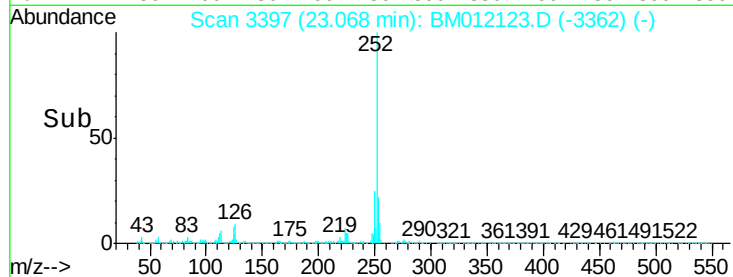
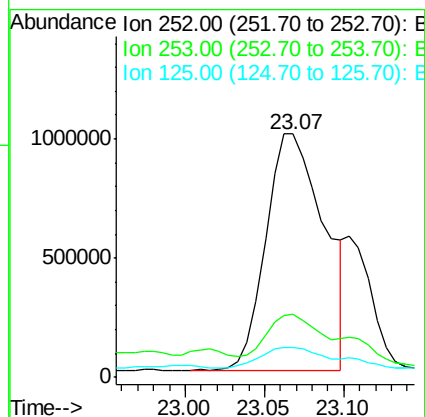
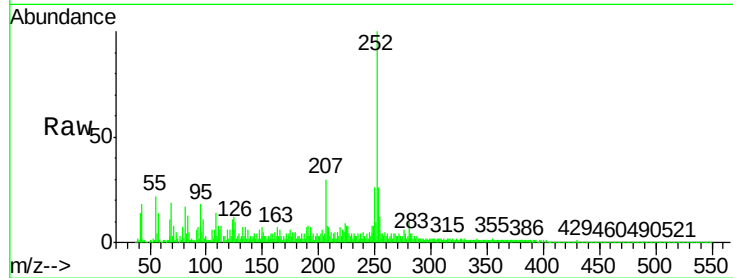
#85
Benzo(b)fluoranthene
Concen: 15.91 ng/ul
RT: 23.07 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

Instrument :
BNA_M
ClientSampleId :
B-77(0-1)-092817MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	12.1	3.6	5.4#

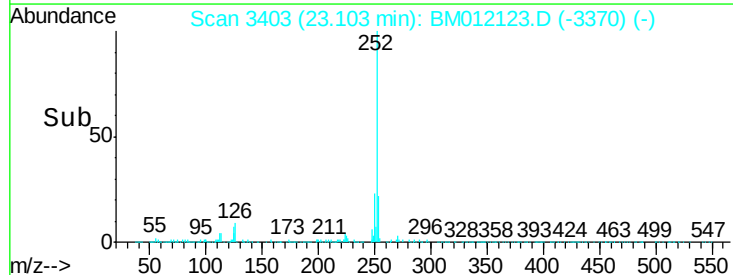
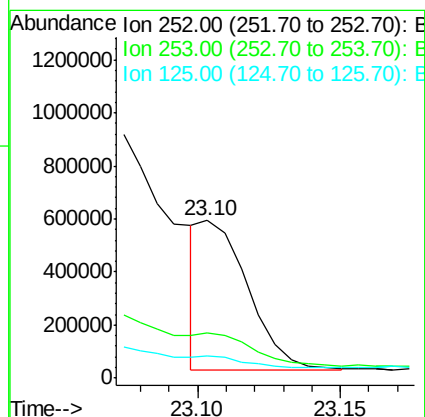
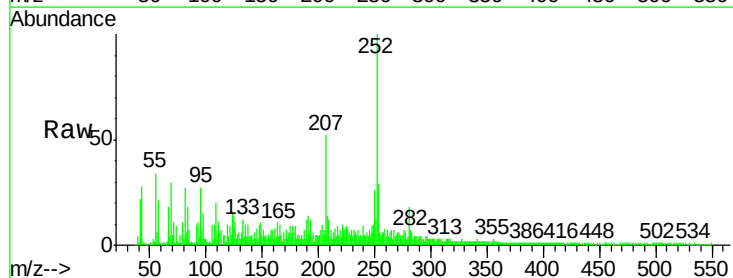
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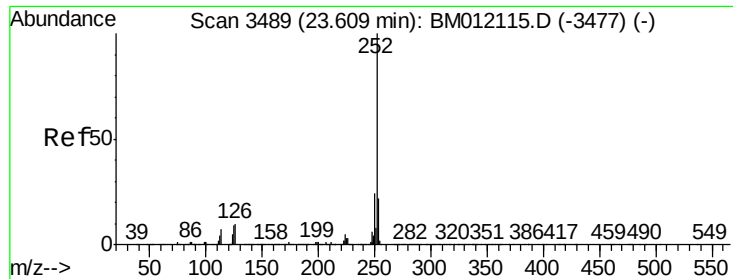
Sohil
10/15/2017 12:37:06 PM



#86
Benzo(k)fluoranthene
Concen: 4.24 ng/ul m
RT: 23.10 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.1	25.7#
125	13.8	3.4	5.2#





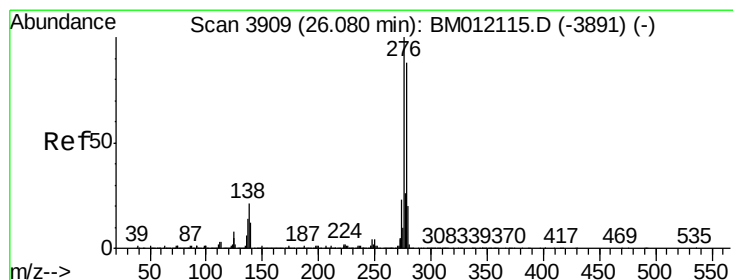
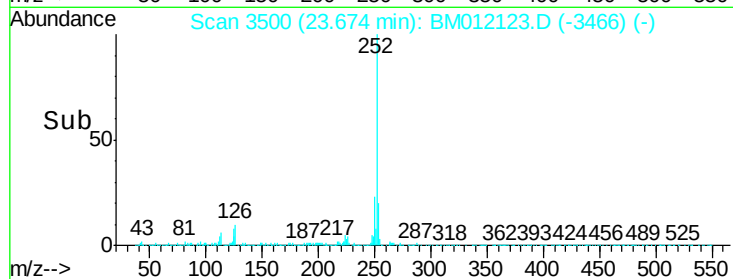
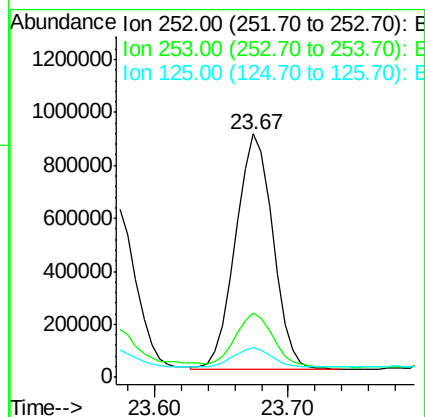
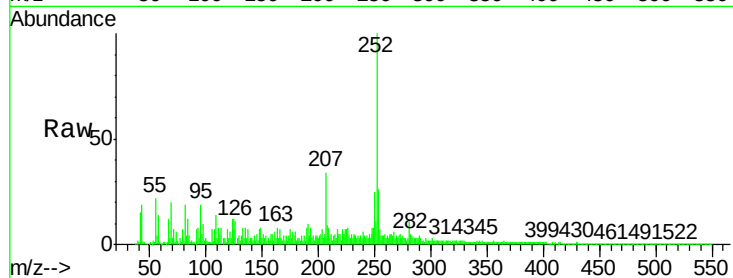
#88
Benzo(a)pyrene
Concen: 11.47 ng/ul
RT: 23.67 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

Instrument :
BNA_M
ClientSampleId :
B-77(0-1)-092817MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.2	27.2
125	12.1	4.0	6.0

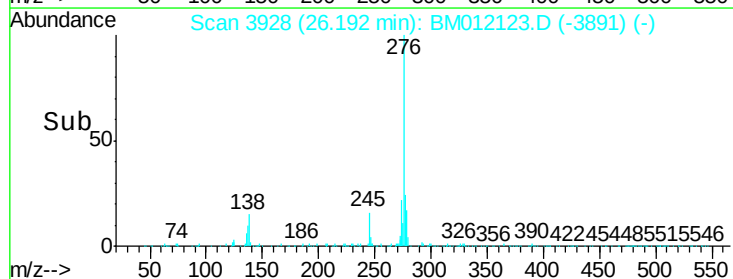
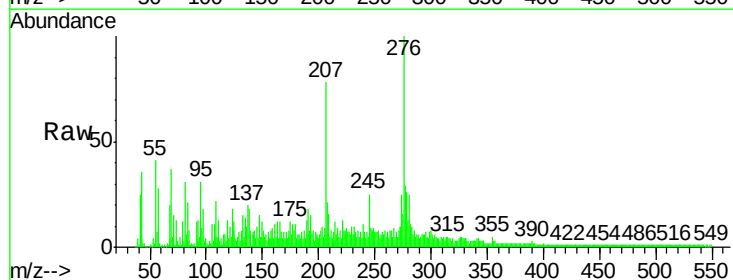
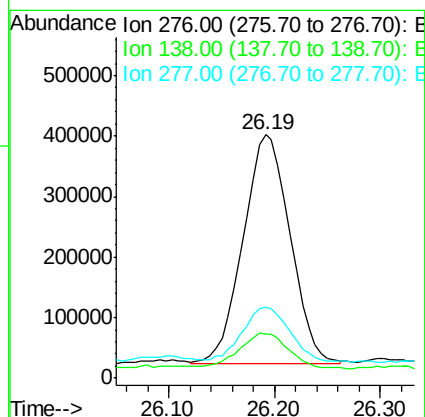
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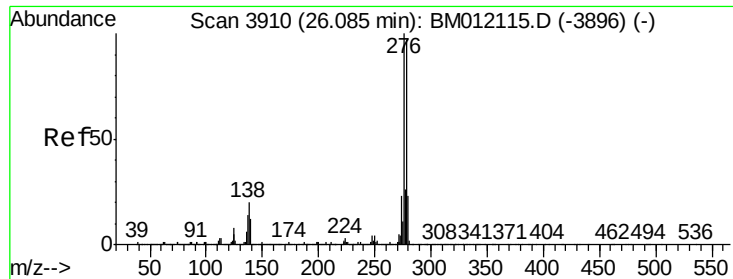
Sohil
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#89
Indeno(1,2,3-cd)pyrene
Concen: 7.27 ng/ul
RT: 26.19 min Scan# 3928
Delta R.T. 0.02 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.0	9.3	13.9
277	29.3	19.9	29.9





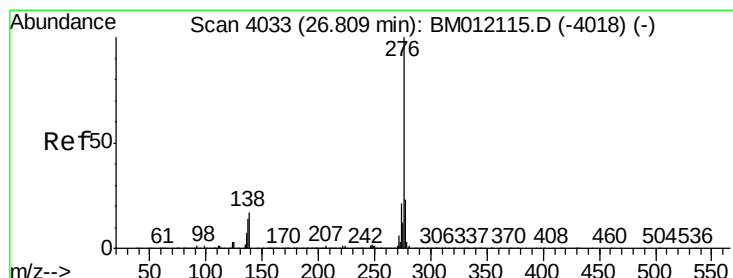
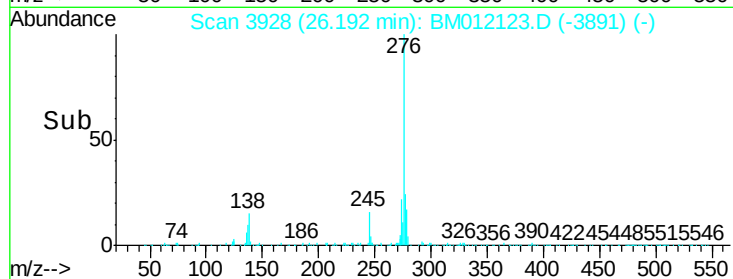
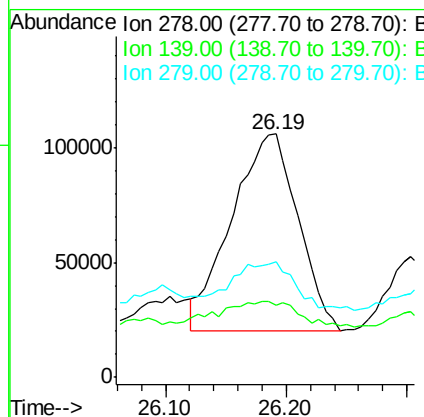
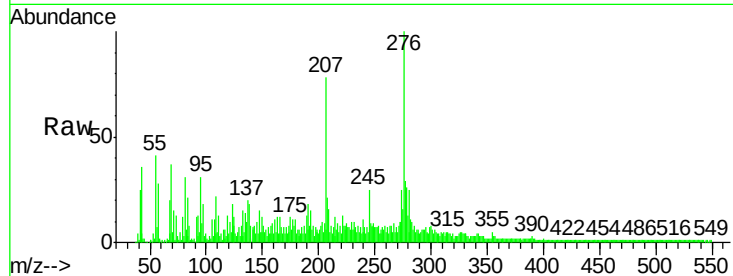
#90
Dibenzo(a,h)anthracene
Concen: 2.43 ng/ul
RT: 26.19 min Scan# 3928
Delta R.T. 0.02 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

Instrument :
BNA_M
ClientSampleId :
B-77(0-1)-092817MSD

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	326451		
139	29.7	5.8	8.8#	
279	47.5	18.6	27.8#	

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#91
Benzo(g,h,i)perylene
Concen: 8.98 ng/ul
RT: 26.94 min Scan# 4056
Delta R.T. 0.02 min
Lab File: BM012123.D
Acq: 13 Oct 2017 05:52

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	1176359		
138	18.6	8.5	12.7#	
277	28.7	18.6	28.0#	

