

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
 Data File : BM012121.D
 Acq On : 13 Oct 2017 04:40
 Operator : SJ/JU
 Sample : I5533-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:37:03 PM

Quant Time: Oct 13 06:54:37 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	327433	20.00	ng/ul	0.02
18) Naphthalene-d8	10.65	136	1395821	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	788059	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.24	188	1516073	20.00	ng/ul	0.02
75) Chrysene-d12	21.43	240	1626152	20.00	ng/ul	0.02
83) Perylene-d12	23.77	264	1702042	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	25220	3.66	ng/uL	0.00
5) Phenol-d5	7.02	99	602652	22.68	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	360717	22.64	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	530321	23.53	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	519408	22.71	ng/ul	0.02
19) Nitrobenzene-d5	9.02	128	258967	24.31	ng/ul	0.02
22) 2-Nitrophenol-d4	9.73	143	280020	22.50	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.27	165	560951	23.61	ng/ul	0.02
29) 4-Chloroaniline-d4	10.79	131	156817	7.05	ng/ul	0.02
43) Dimethylphthalate-d6	13.90	166	1739686	24.98	ng/ul	0.01
46) Acenaphthylene-d8	14.19	160	2135679	25.33	ng/ul	0.02
51) 4-Nitrophenol-d4	14.72	143	178230	17.02	ng/ul	0.03
57) Fluorene-d10	15.49	176	1396863	24.44	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.64	200	25753m	2.48	ng/ul	0.04
70) Anthracene-d10	17.34	188	1900223	25.35	ng/ul	0.02
76) Pyrene-d10	19.64	212	1930917	23.39	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.62	264	2088308	25.45	ng/ul	0.05

Target Compounds

						Qvalue
6) Phenol	7.04	94	59298	2.16	ng/ul#	85
44) Dimethylphthalate	13.94	163	218211	3.13	ng/ul	98
47) Acenaphthylene	14.22	152	454436	5.49	ng/ul	99
49) Acenaphthene	14.56	153	89211	1.60	ng/ul	97
53) Dibenzofuran	14.90	168	104266	1.30	ng/ul	94
58) Fluorene	15.54	166	98533	1.48	ng/ul#	94
69) Phenanthrene	17.29	178	4428458	51.35	ng/ul	99
71) Anthracene	17.38	178	1235175	13.83	ng/ul	99
72) Carbazole	17.65	167	76945	1.02	ng/ul#	89
74) Fluoranthene	19.31	202	9524364	91.51	ng/ul#	90
77) Pyrene	19.67	202	8641733	80.47	ng/ul#	90
78) Butylbenzylphthalate	20.54	149	65685	1.37	ng/ul	98
80) Benzo(a)anthracene	21.41	228	5097488	48.17	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.31	149	109129	1.52	ng/ul#	80
82) Chrysene	21.47	228	4509494	45.39	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	5708372	51.39	ng/ul#	94
86) Benzo(k)fluoranthene	23.06	252	5708372	53.33	ng/ul#	92
88) Benzo(a)pyrene	23.67	252	4227639	40.38	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	26.17	276	2497277	22.46	ng/ul#	93
90) Dibenz(a,h)anthracene	26.17	278	706258	7.56	ng/ul#	72
91) Benzo(g,h,i)perylene	26.92	276	2191519	24.07	ng/ul#	91

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

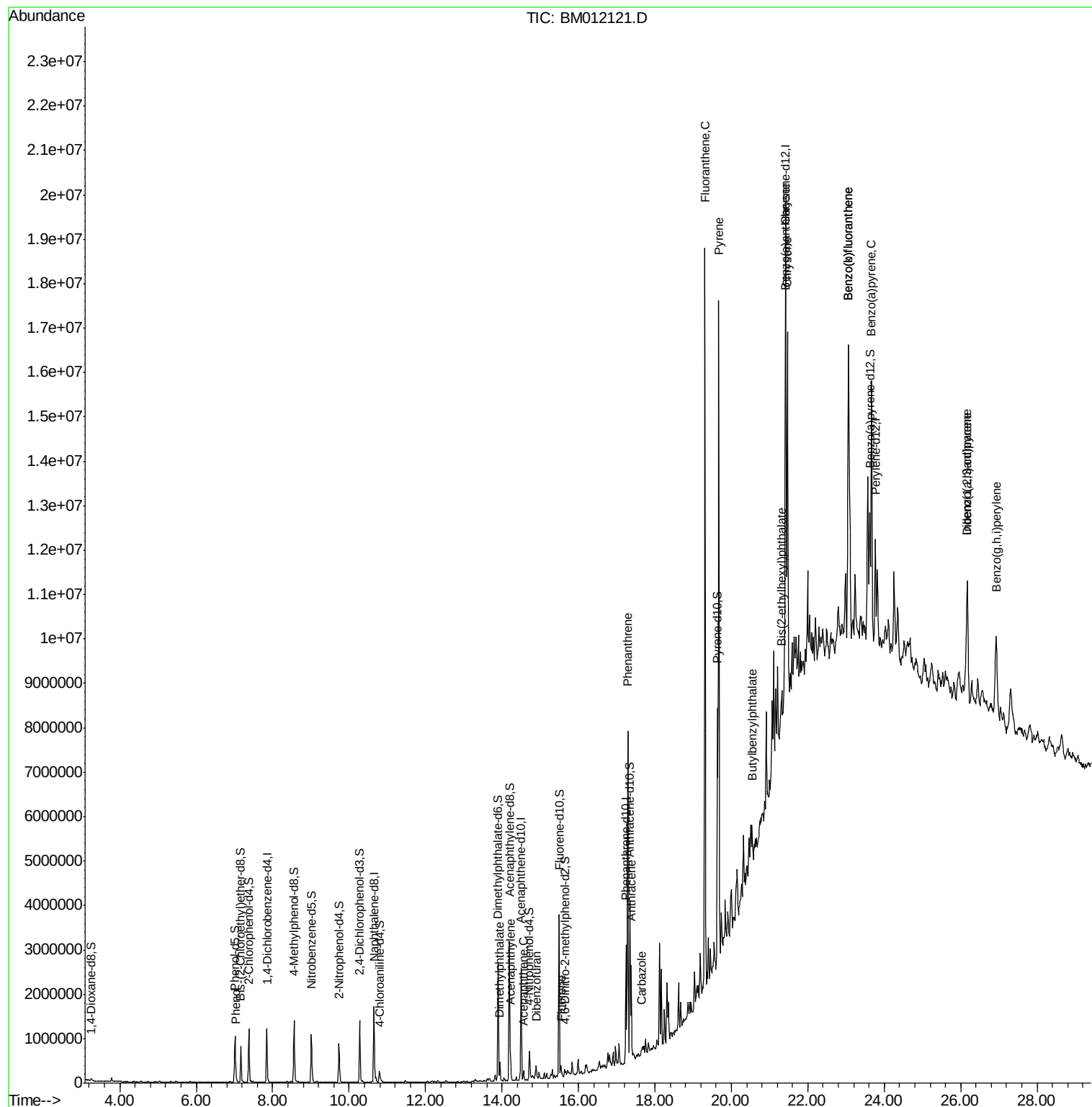
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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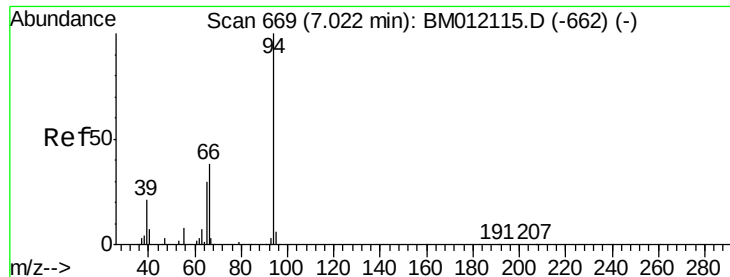
Instrument :
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#6

Phenol

Concen: 2.16 ng/ul

RT: 7.04 min Scan# 672

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

B-77(0-1)-092817

Tgt Ion: 94 Resp: 59298

Ion Ratio Lower Upper

94 100

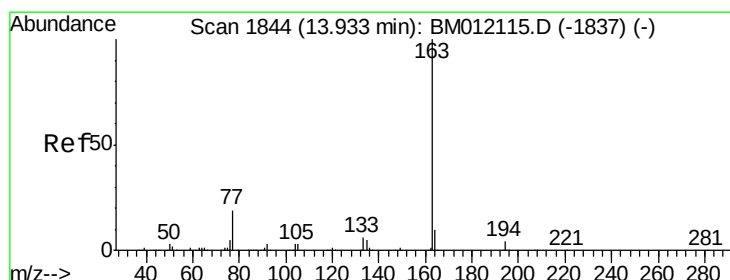
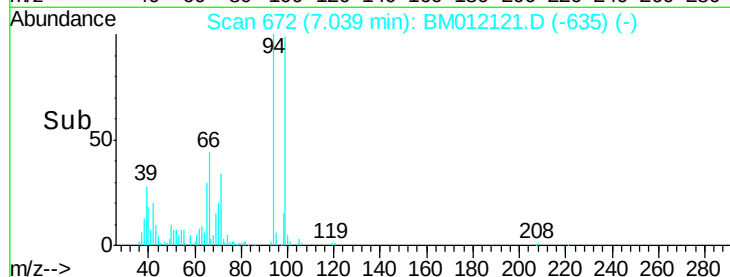
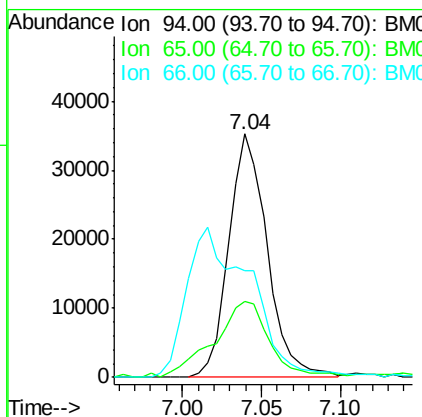
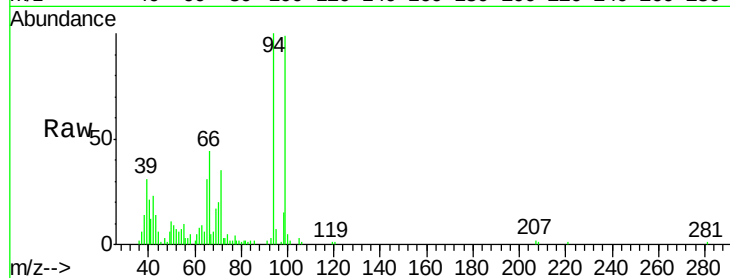
65 31.2 28.2 42.4

66 43.8 47.2 70.8#

Manual Integrations
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#44

Dimethylphthalate

Concen: 3.13 ng/ul

RT: 13.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

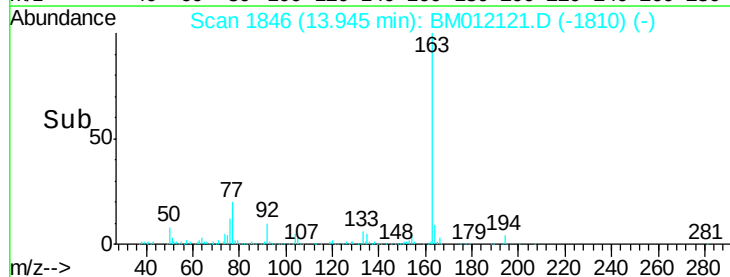
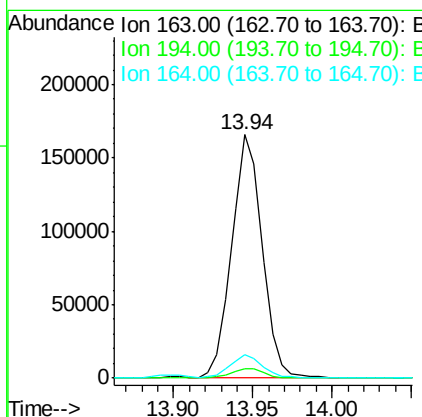
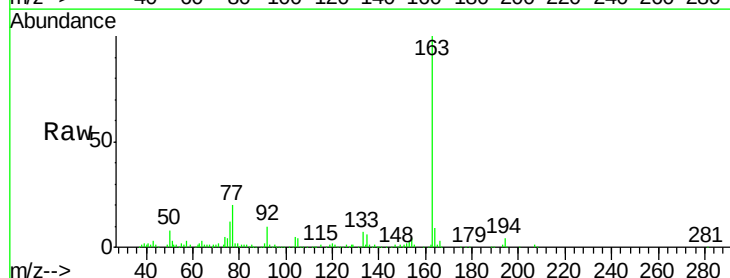
Tgt Ion: 163 Resp: 218211

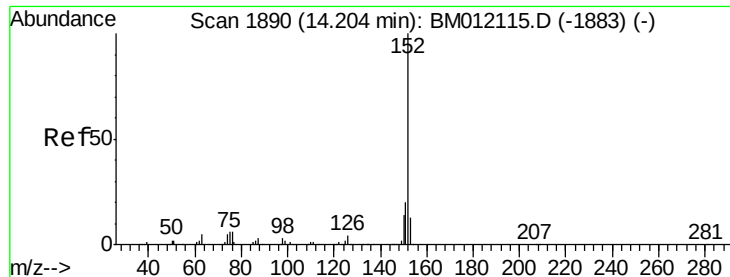
Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

164 9.4 8.2 12.4





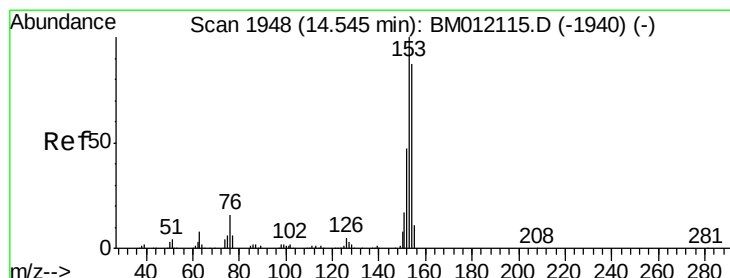
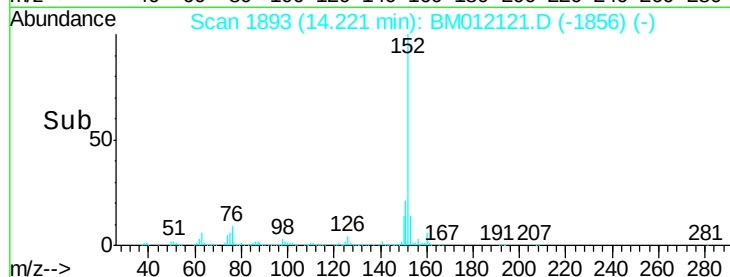
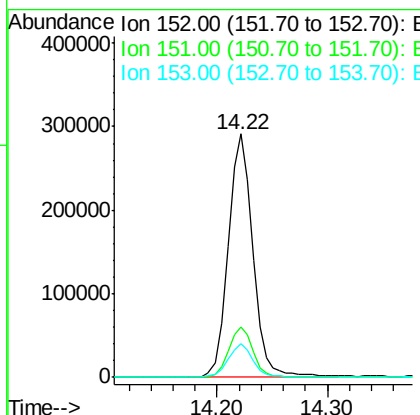
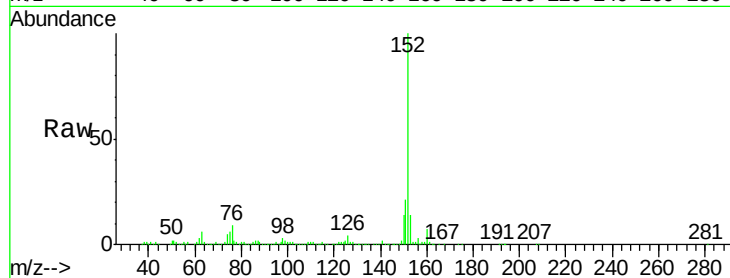
#47
Acenaphthylene
Concen: 5.49 ng/ul
RT: 14.22 min Scan# 1893
Delta R.T. 0.02 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	454436		
151	20.8		16.3	24.5
153	13.7		10.2	15.4

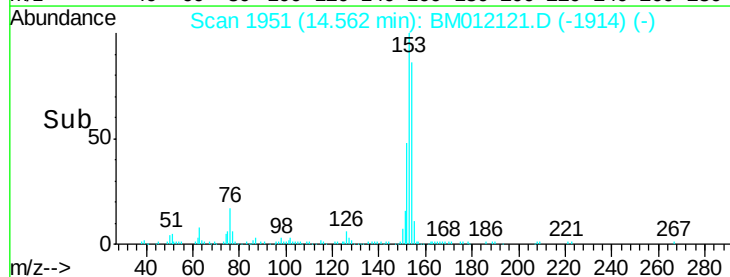
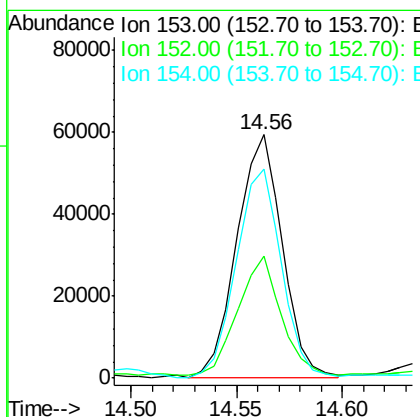
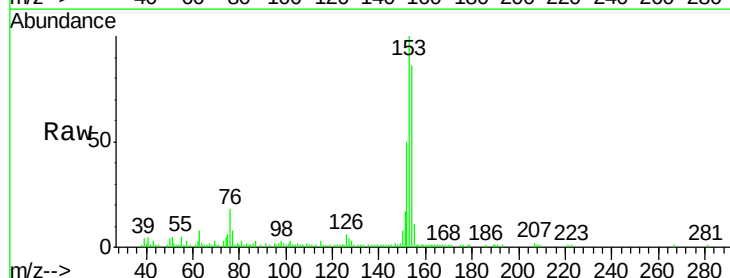
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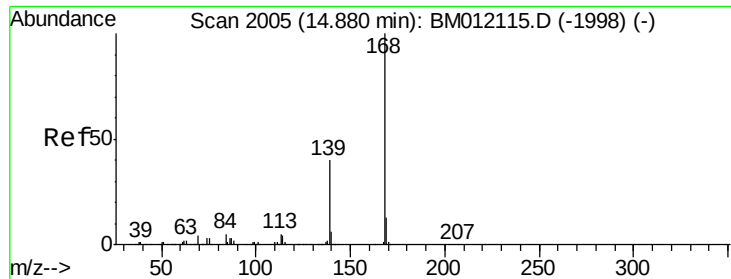
Sohil
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#49
Acenaphthene
Concen: 1.60 ng/ul
RT: 14.56 min Scan# 1951
Delta R.T. 0.02 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	89211		
152	49.9		37.6	56.4
154	85.6		70.4	105.6





#53

Dibenzenofuran

Concen: 1.30 ng/ul

RT: 14.90 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

B-77(0-1)-092817

Tgt Ion:168 Resp: 104266

Ion Ratio Lower Upper

168 100

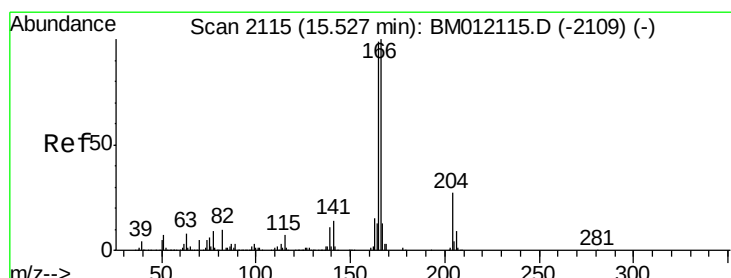
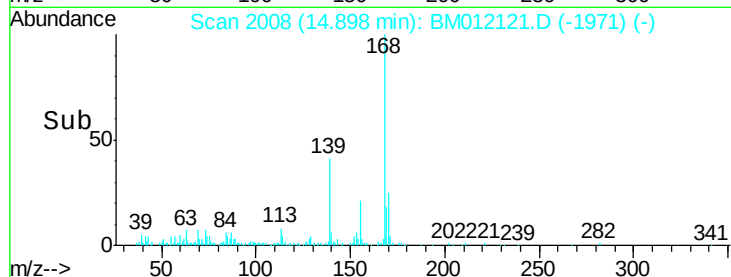
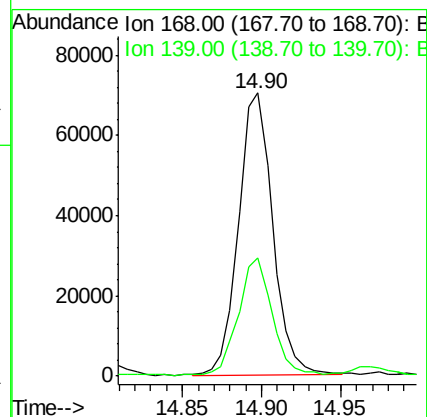
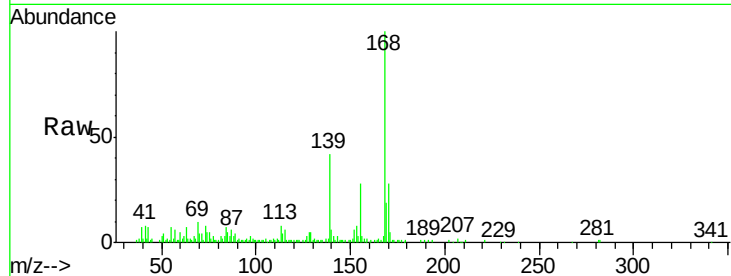
139 41.9 30.8 46.2

Manual Integrations

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#58

Fluorene

Concen: 1.48 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

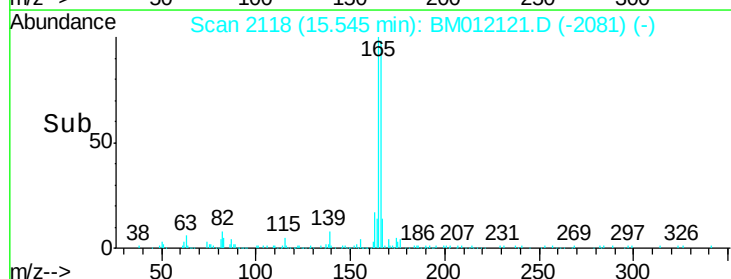
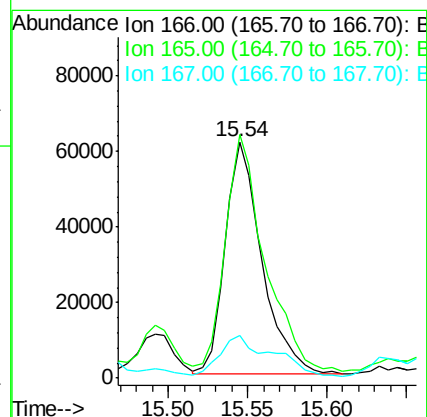
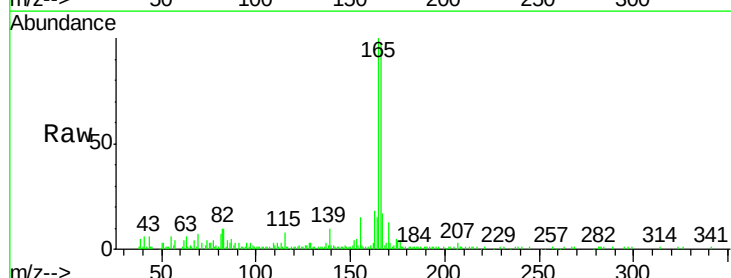
Tgt Ion:166 Resp: 98533

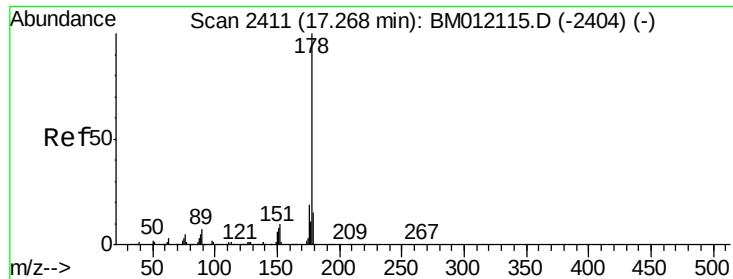
Ion Ratio Lower Upper

166 100

165 103.0 77.9 116.9

167 17.8 10.6 16.0#





#69

Phenanthrene

Concen: 51.35 ng/ul

RT: 17.29 min Scan# 2415

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

B-77(0-1)-092817

Tgt Ion:178 Resp: 4428458

Ion Ratio Lower Upper

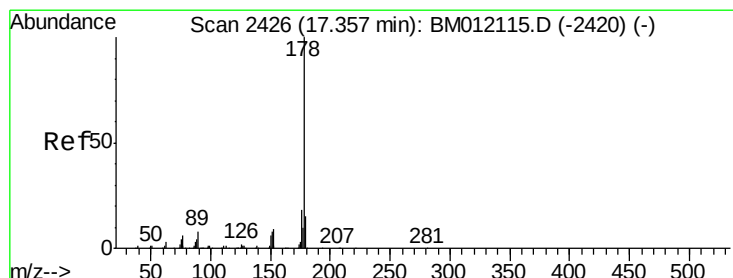
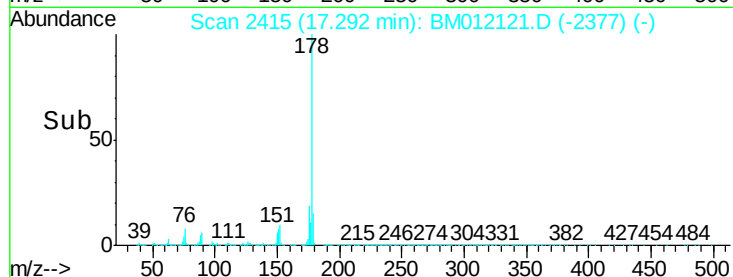
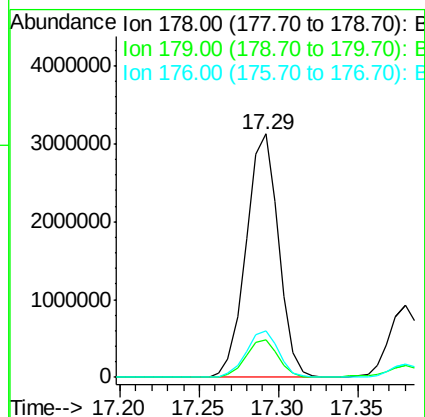
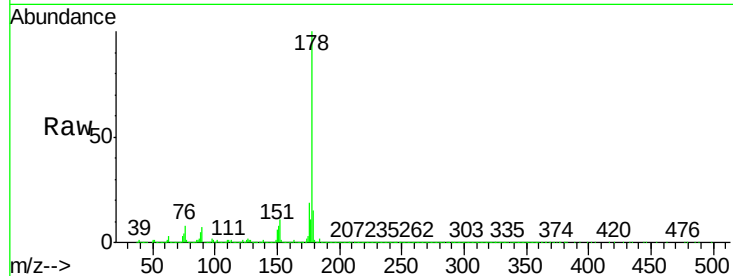
178 100

179 15.4 12.6 19.0

176 19.1 14.9 22.3

Manual Integrations
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#71

Anthracene

Concen: 13.83 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

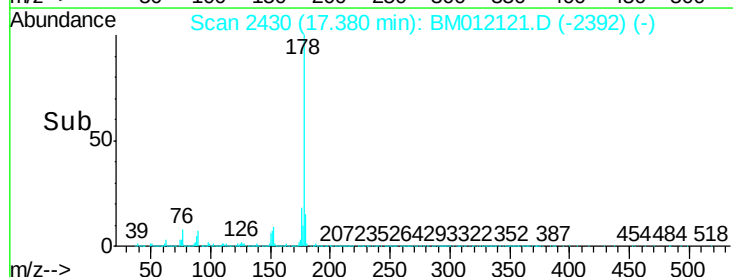
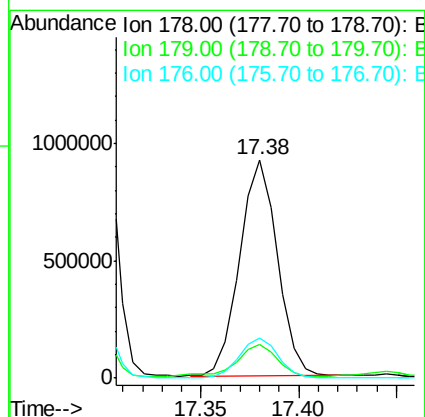
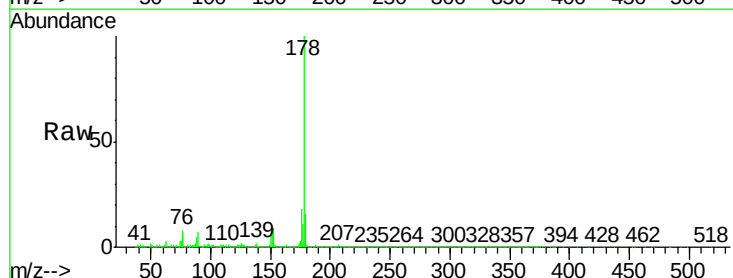
Tgt Ion:178 Resp: 1235175

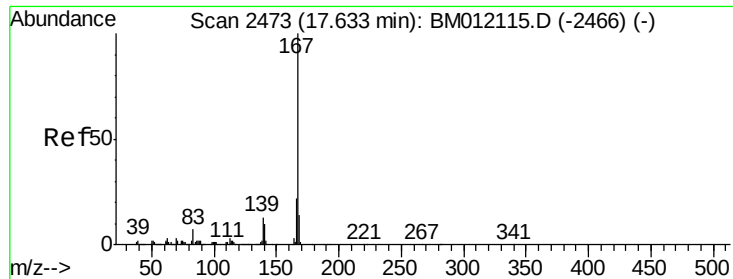
Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

176 18.3 14.6 21.8





#72

Carbazole

Concen: 1.02 ng/ul

RT: 17.65 min Scan# 2476

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

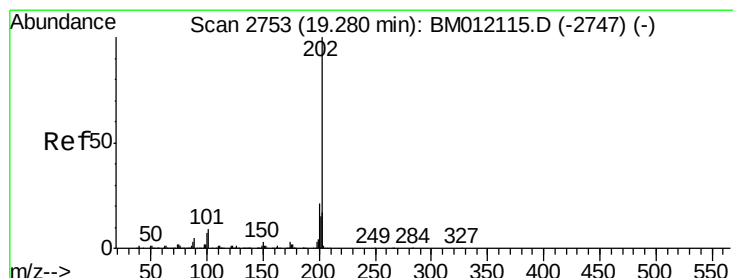
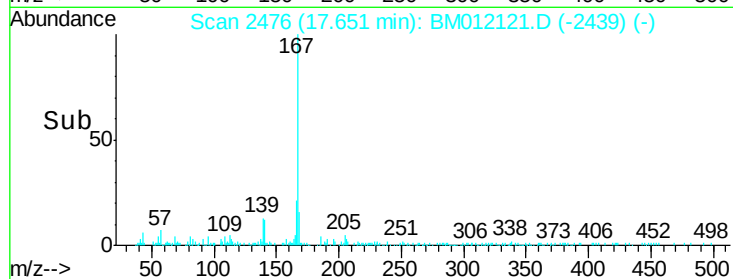
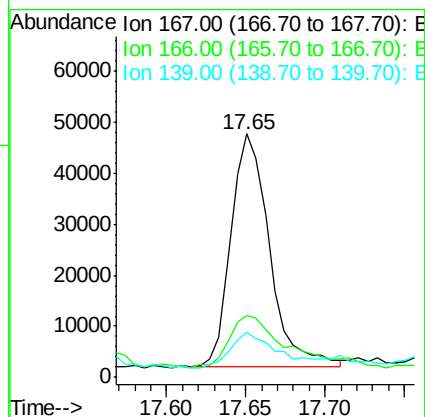
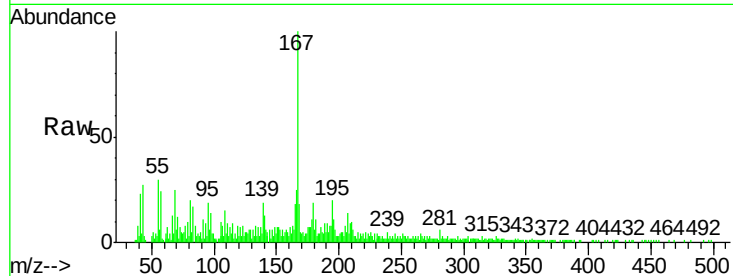
ClientSampleId :

B-77(0-1)-092817

Tgt Ion:	167	Resp:	76945
Ion Ratio	Lower	Upper	
167	100		
166	25.4	17.1	25.7
139	18.5	10.0	15.0#

Manual Integrations
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#74

Fluoranthene

Concen: 91.51 ng/ul

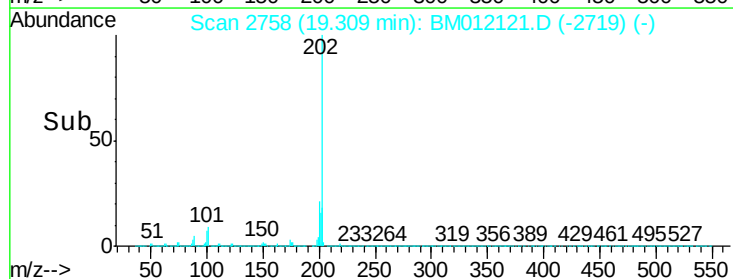
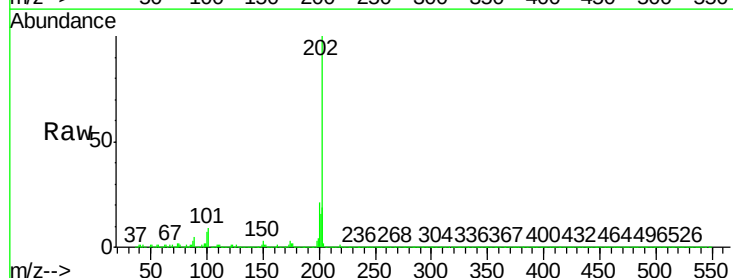
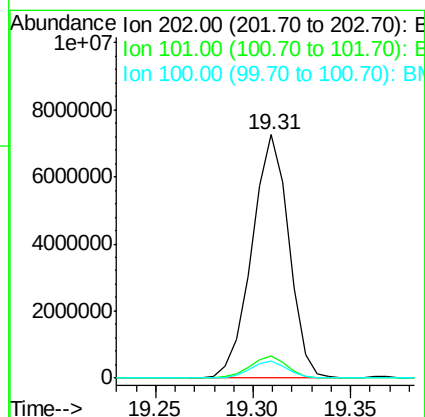
RT: 19.31 min Scan# 2758

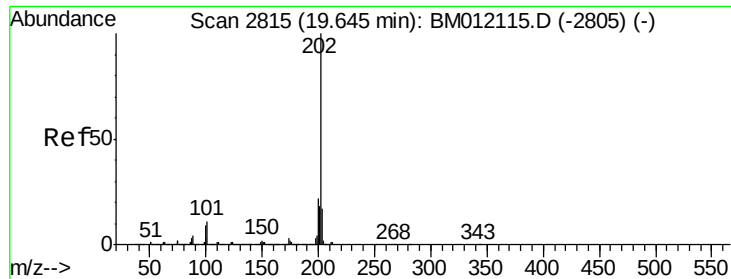
Delta R.T. 0.03 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Tgt Ion:	202	Resp:	9524364
Ion Ratio	Lower	Upper	
202	100		
101	9.3	4.6	7.0#
100	7.2	3.4	5.2#





#77

Pyrene

Concen: 80.47 ng/ul

RT: 19.67 min Scan# 2820

Delta R.T. 0.03 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

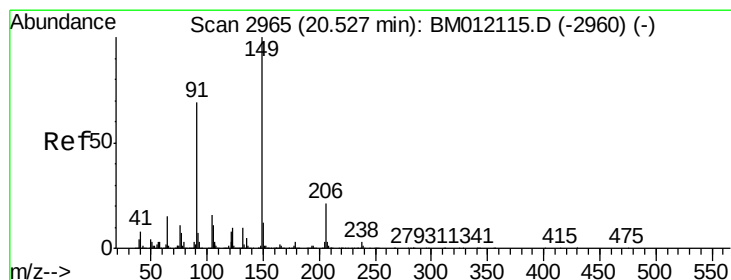
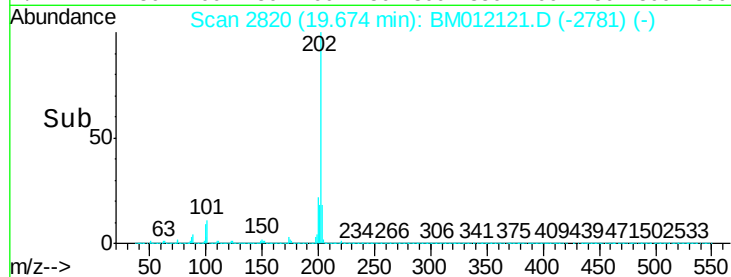
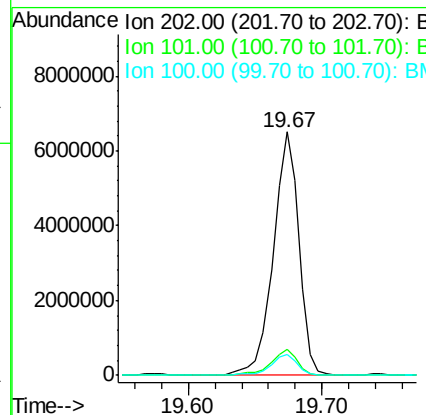
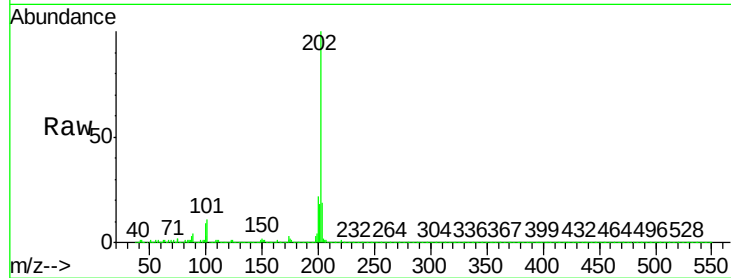
ClientSampleId :

B-77(0-1)-092817

Tgt Ion:	202	Resp:	8641733
Ion Ratio	Lower	Upper	
202	100		
101	10.6	5.1	7.7#
100	8.8	4.9	7.3#

Manual Integrations
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#78

Butylbenzylphthalate

Concen: 1.37 ng/ul

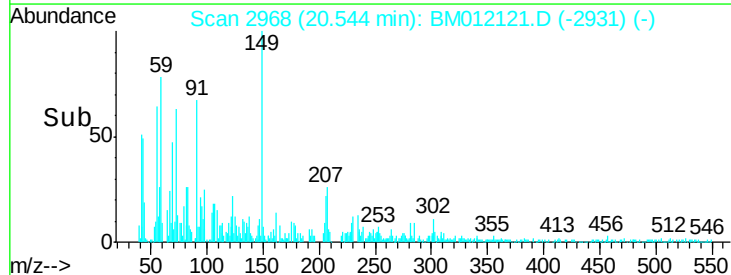
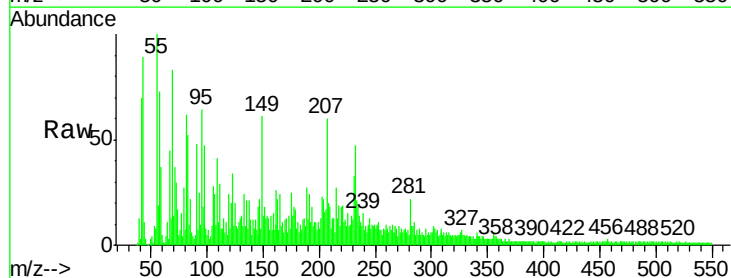
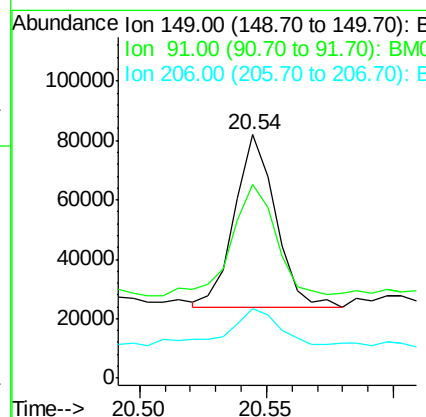
RT: 20.54 min Scan# 2968

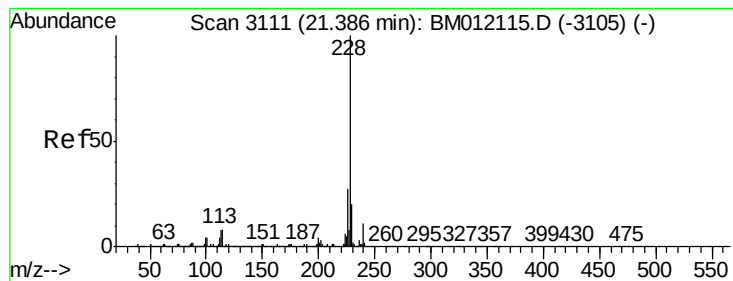
Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Tgt Ion:	149	Resp:	65685
Ion Ratio	Lower	Upper	
149	100		
91	79.6	62.7	94.1
206	28.3	20.8	31.2





#80

Benzo(a)anthracene

Concen: 48.17 ng/ul

RT: 21.41 min Scan# 3116

Delta R.T. 0.03 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

B-77(0-1)-092817

Tgt Ion:228 Resp: 5097488

Ion Ratio Lower Upper

228 100

229 21.0 15.4 23.0

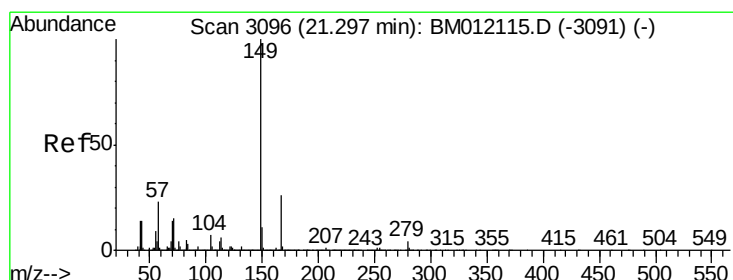
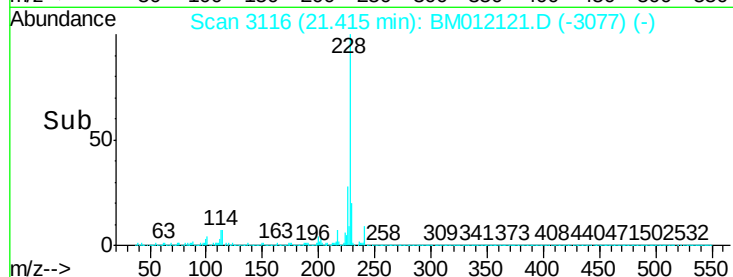
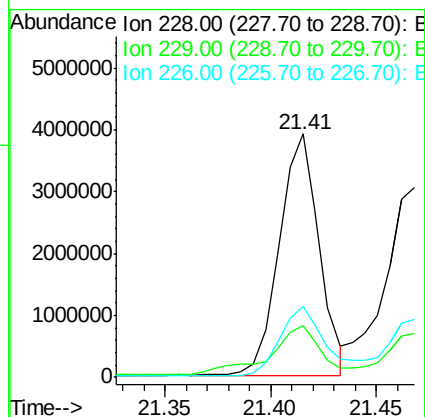
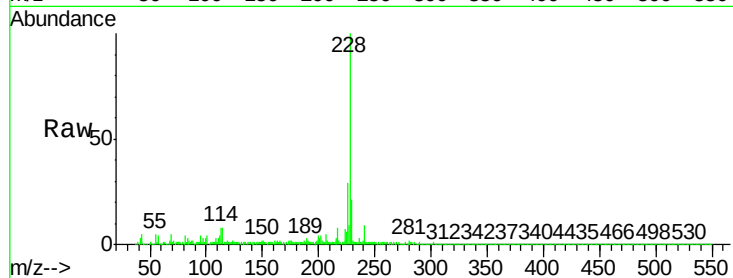
226 29.0 21.4 32.0

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#81

Bis(2-ethylhexyl)phthalate

Concen: 1.52 ng/ul

RT: 21.31 min Scan# 3099

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

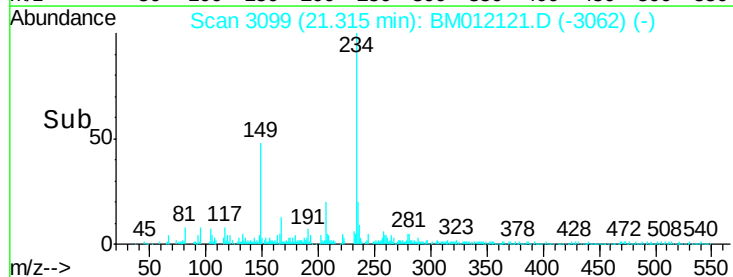
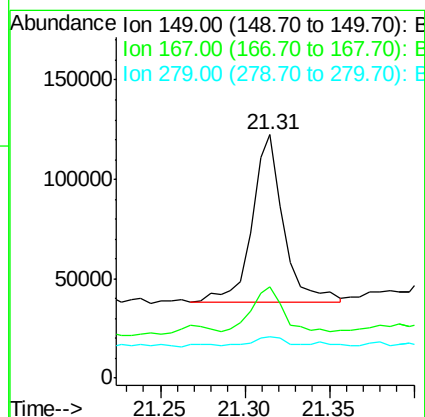
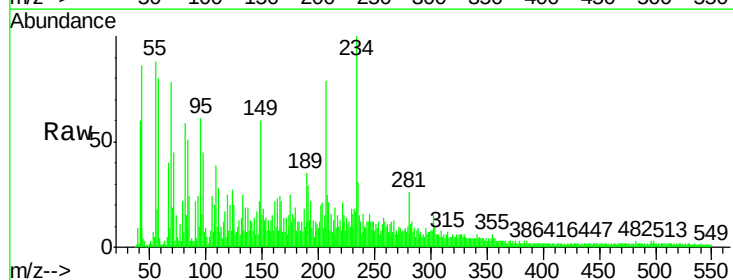
Tgt Ion:149 Resp: 109129

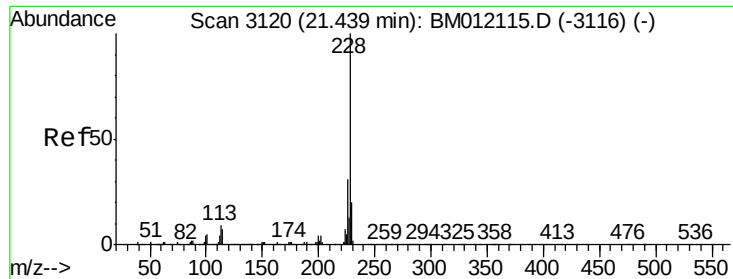
Ion Ratio Lower Upper

149 100

167 37.5 22.8 34.2#

279 17.1 4.9 7.3#





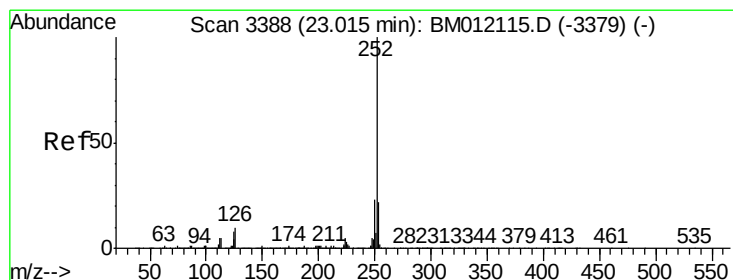
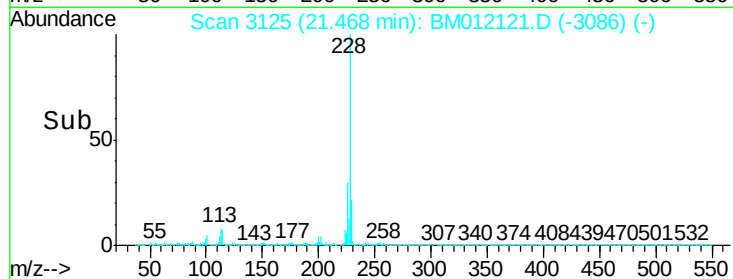
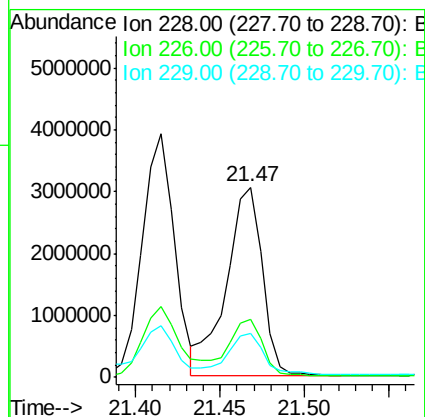
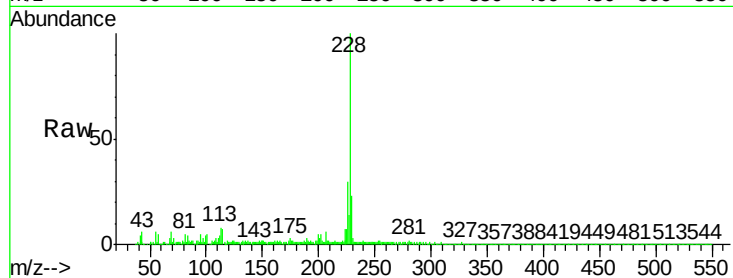
#82
Chrysene
Concen: 45.39 ng/ul
RT: 21.47 min Scan# 3125
Delta R.T. 0.03 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

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

Tgt Ion: 228 Resp: 4509494
Ion Ratio Lower Upper
228 100
226 30.5 23.4 35.2
229 22.9 15.5 23.3

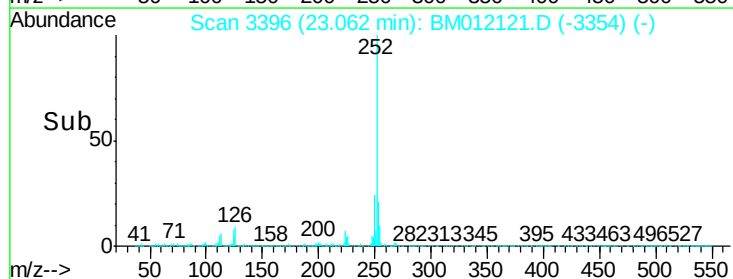
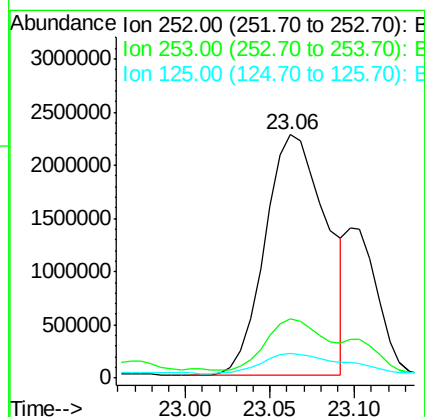
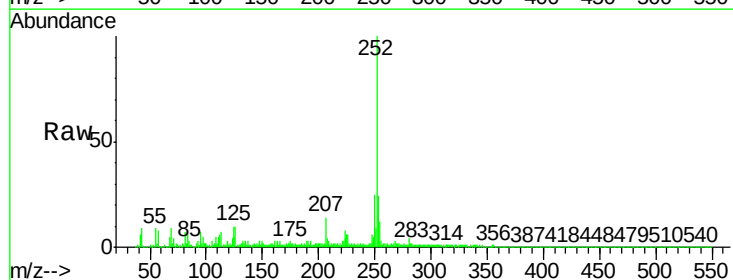
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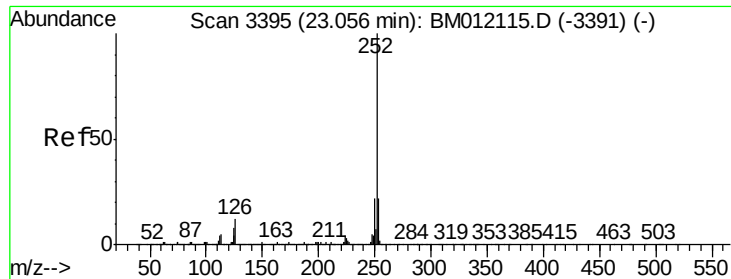
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#85
Benzo(b)fluoranthene
Concen: 51.39 ng/ul
RT: 23.06 min Scan# 3396
Delta R.T. 0.05 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

Tgt Ion: 252 Resp: 5708372
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 10.2 3.6 5.4#





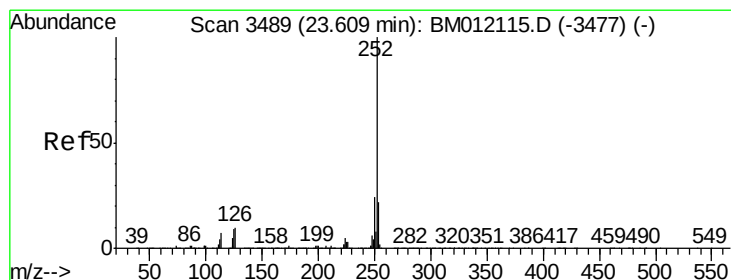
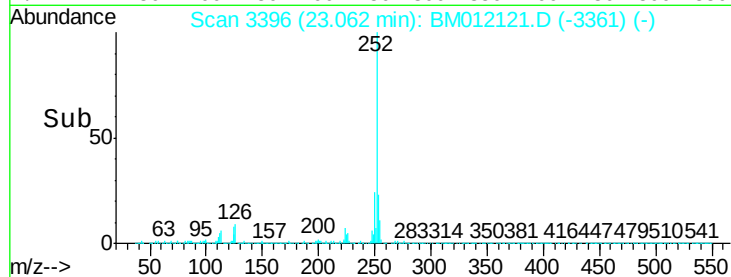
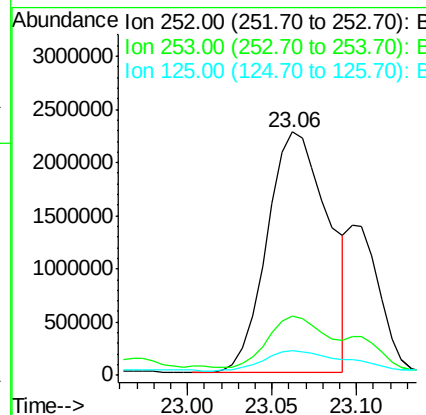
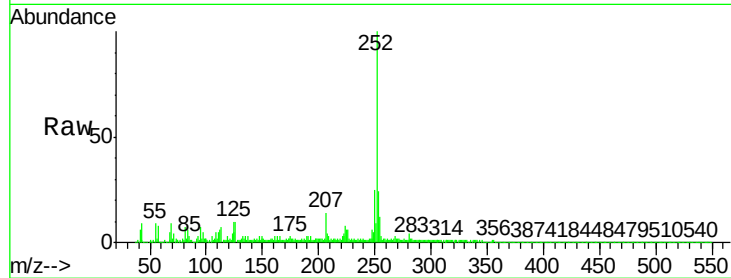
#86
Benzo(k)fluoranthene
Concen: 53.33 ng/ul
RT: 23.06 min Scan# 3396
Delta R.T. 0.01 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	10.2	3.4	5.2

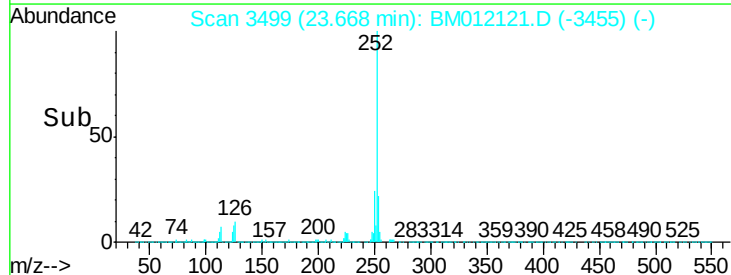
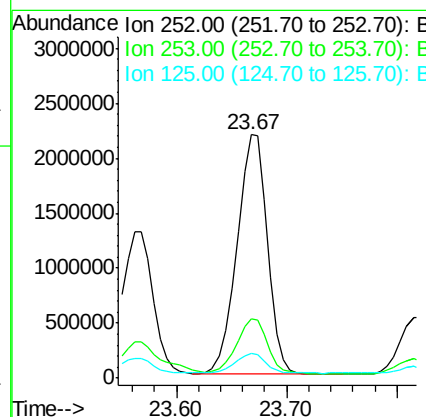
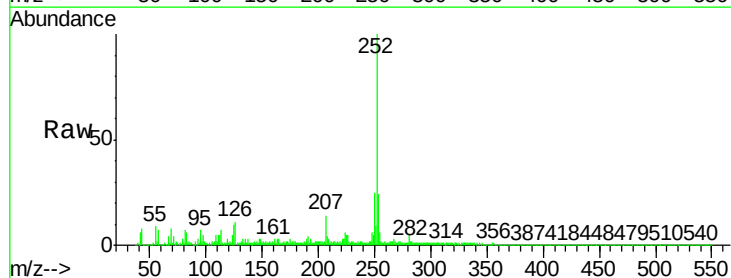
Manual Integrations
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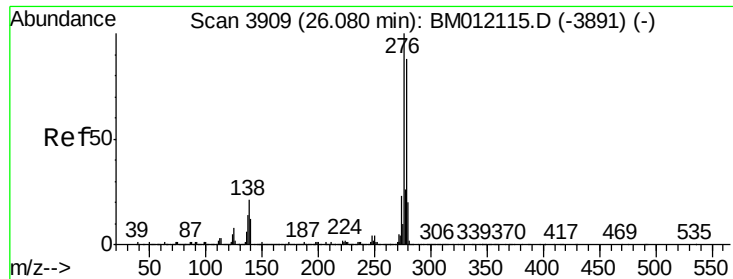
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10/15/2017 12:37:03 PM



#88
Benzo(a)pyrene
Concen: 40.38 ng/ul
RT: 23.67 min Scan# 3499
Delta R.T. 0.06 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	10.1	4.0	6.0





#89

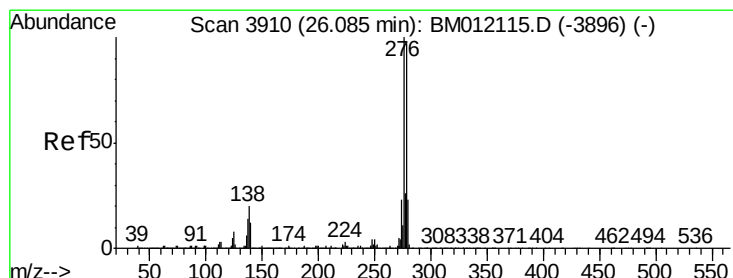
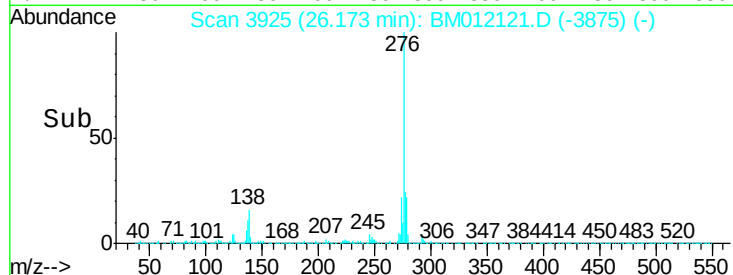
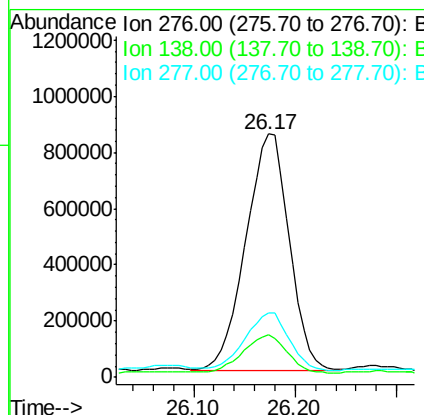
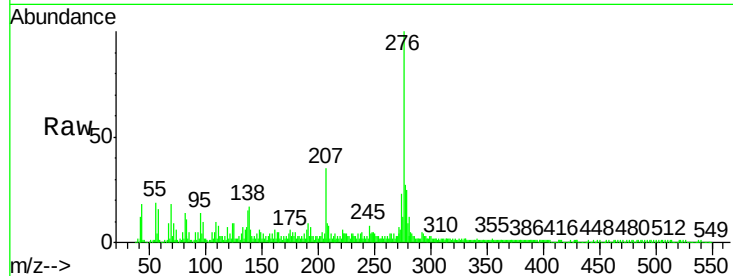
Indeno(1,2,3-cd)pyrene
Concen: 22.46 ng/ul
RT: 26.17 min Scan# 3925
Delta R.T. 0.09 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	9.3	13.9#
277	26.7	19.9	29.9

Manual Integrations
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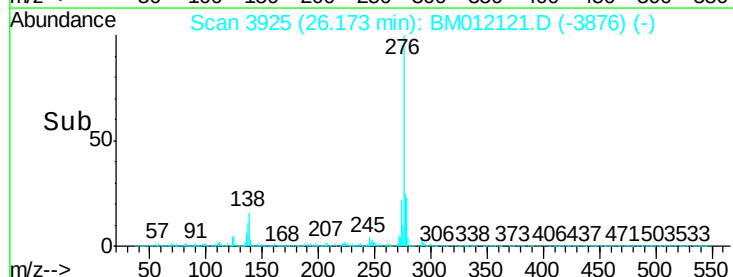
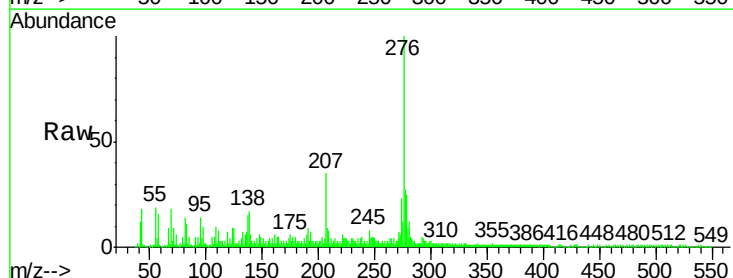
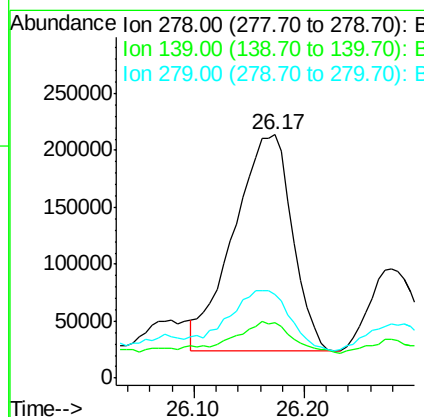
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10/15/2017 12:37:03 PM

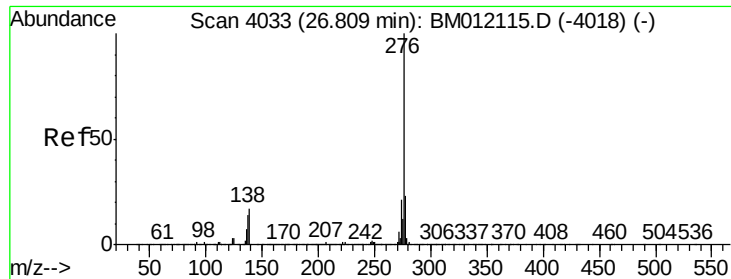


#90

Dibenzo(a,h)anthracene
Concen: 7.56 ng/ul
RT: 26.17 min Scan# 3925
Delta R.T. 0.09 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	5.8	8.8#
279	34.5	18.6	27.8#





#91

Benzo(g,h,i)perylene

Concen: 24.07 ng/ul

RT: 26.92 min Scan# 4052

Delta R.T. 0.11 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

B-77(0-1)-092817

Tgt Ion: 276 Resp: 2191519

Ion Ratio Lower Upper

276 100

138 17.2 8.5 12.7#

277 25.8 18.6 28.0

Manual Integrations

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Sohil

10/15/2017 12:37:03 PM

