

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
 Data File : BM012842.D
 Acq On : 09 Nov 2017 04:16
 Operator : SJ/JU
 Sample : I6032-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-31(5-5.5)-101817

Manual Integrations
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Sohil
 11/9/2017 3:49:03 PM

Quant Time: Nov 09 06:12:38 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 05:48:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	174805	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	722497	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	415649	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	785464	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	743979	20.00	ng/ul	0.01
85) Perylene-d12	23.67	264	848589	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	13825m	4.27	ng/uL	0.00
5) Phenol-d5	6.98	99	325265	25.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	184806	26.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	285870	26.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	264064	23.52	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	142900	26.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	158085	25.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	309866	24.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	206908	17.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	980753	28.51	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1162649	27.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	86653	15.72	ng/ul	0.00
57) Fluorene-d10	15.44	176	799296	27.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	9469	1.83	ng/ul	0.02
70) Anthracene-d10	17.30	188	1102365	29.05	ng/ul	0.01
78) Pyrene-d10	19.59	212	1043007	30.21	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.53	264	1235197	30.78	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	7.00	94	33242	2.490	ng/ul	93
28) Naphthalene	10.65	128	282832	7.830	ng/ul	100
34) 2-Methylnaphthalene	12.26	142	73989	2.680	ng/ul	97
44) Dimethylphthalate	13.90	163	214707	6.291	ng/ul	99
47) Acenaphthylene	14.16	152	57822	1.402	ng/ul#	94
49) Acenaphthene	14.51	153	329538	11.731	ng/ul	95
53) Dibenzofuran	14.84	168	377475	9.213	ng/ul	91
58) Fluorene	15.49	166	370517	10.886	ng/ul	99
60) 4-Nitroaniline	15.52	138	17514	2.612	ng/ul	95
69) Phenanthrene	17.25	178	10710160	249.467	ng/ul	99
71) Anthracene	17.33	178	2535874	56.968	ng/ul	100
74) Carbazole	17.60	167	470431	12.671	ng/ul	97
75) Di-n-butylphthalate	18.15	149	83804	1.926	ng/ul	97
76) Fluoranthene	19.27	202	12203213	236.540	ng/ul	97
79) Pyrene	19.63	202	9575853	215.730	ng/ul	96
82) Benzo(a)anthracene	21.37	228	5116591	113.653	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.28	149	75397	3.197	ng/ul#	88
84) Chrysene	21.42	228	4672734	114.527	ng/ul	97
87) Benzo(b)fluoranthene	22.99	252	5860648	113.012	ng/ul#	96
88) Benzo(k)fluoranthene	23.03	252	2150545m	43.628	ng/ul	
90) Benzo(a)pyrene	23.59	252	4124611m	83.586	ng/ul	
91) Indeno(1,2,3-cd)pyrene	26.01	276	2949683	49.598	ng/ul#	85
92) Dibenzo(a,h)anthracene	26.00	278	805123	15.992	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 05:48:58 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.73	276	2362648	48.212	ng/ul#	91

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

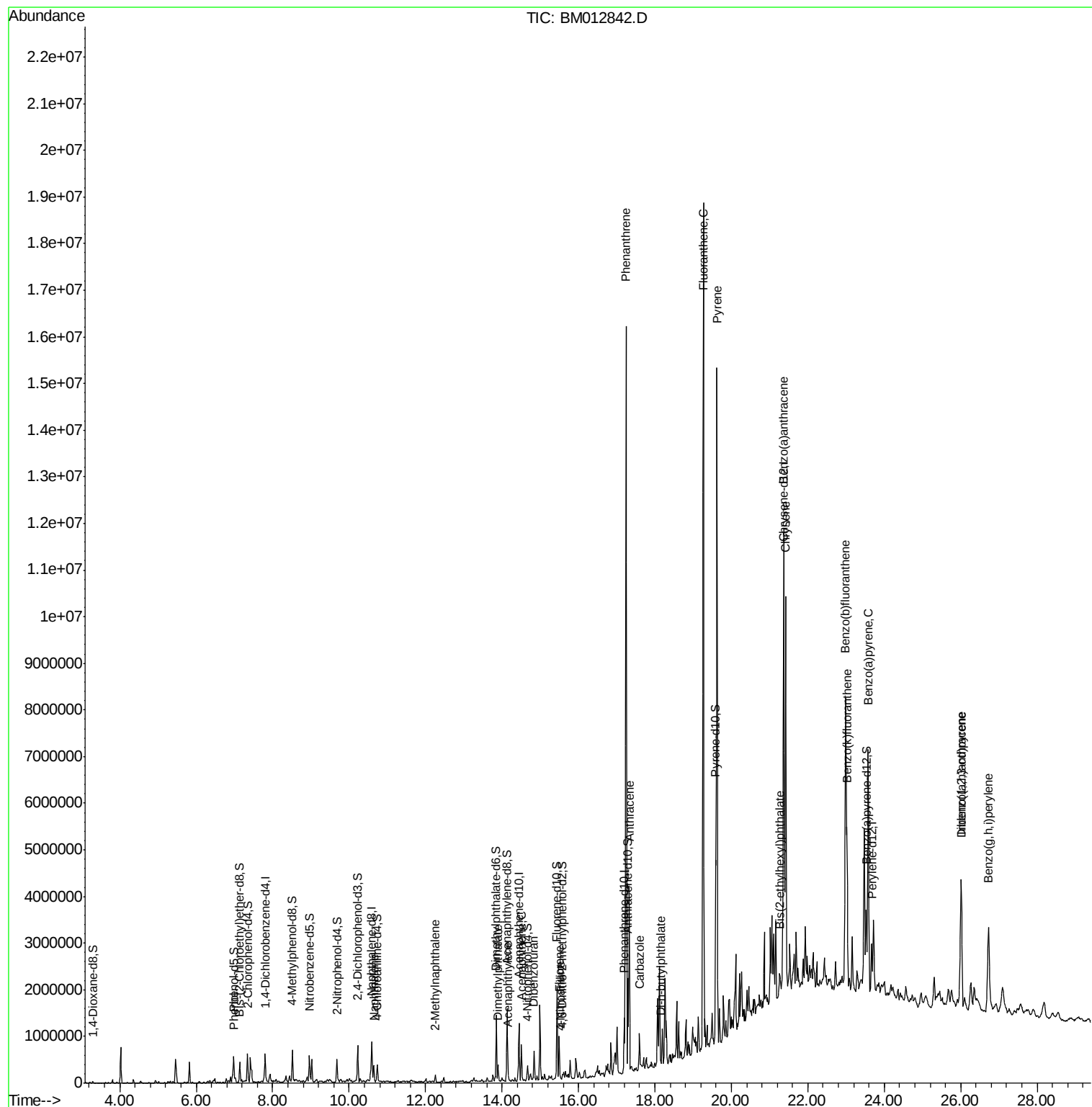
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ALS Vial : 28 Sample Multiplier: 1

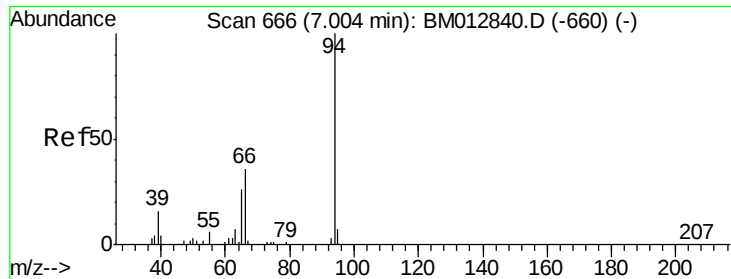
Instrument :
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#6

Phenol

Concen: 2.490 ng/ul

RT: 7.00 min Scan# 666

Delta R.T. -0.00 min

Lab File: BM012842.D

Acq: 09 Nov 2017 04:16

Instrument :

BNA_M

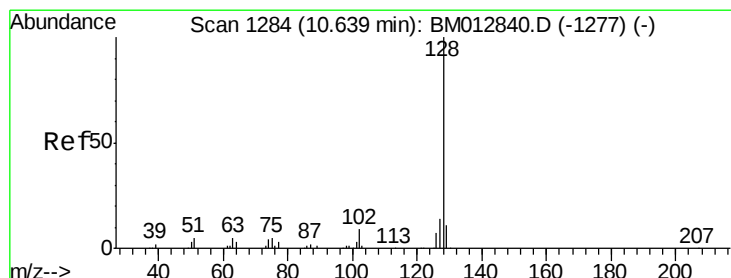
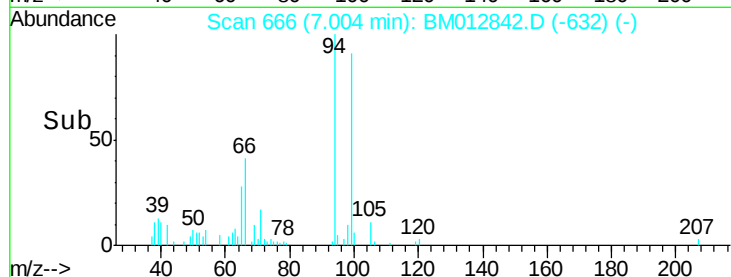
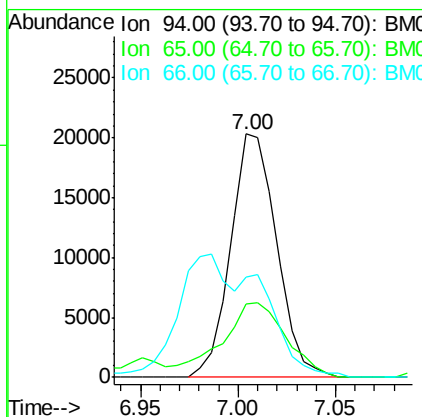
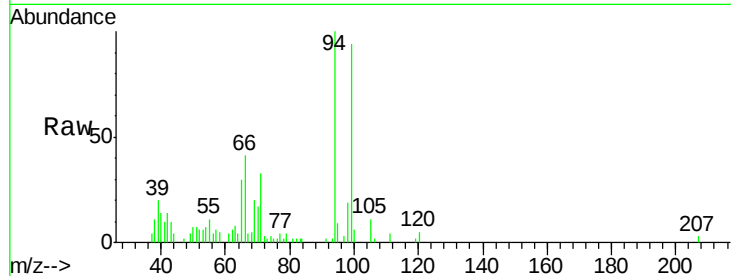
ClientSampleId :

B-31(5-5.5)-101817

Tgt Ion:	94	Resp:	33242
Ion	Ratio	Lower	Upper
94	100		
65	29.9	21.0	31.6
66	41.1	29.3	43.9

Manual Integrations
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#28

Naphthalene

Concen: 7.830 ng/ul

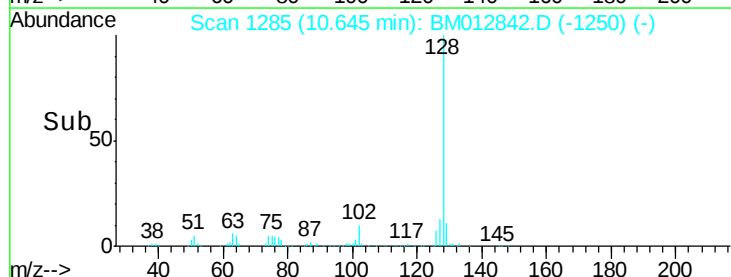
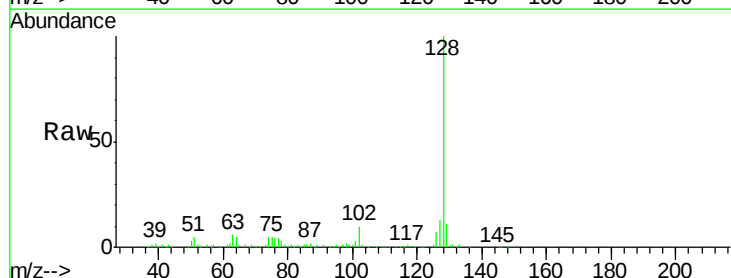
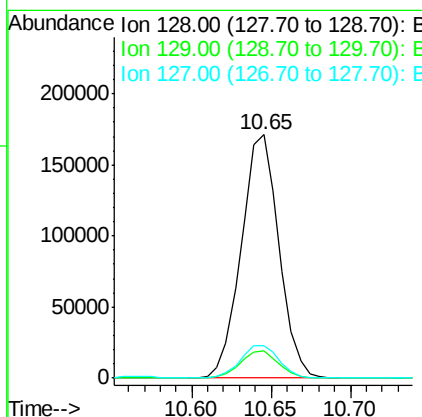
RT: 10.65 min Scan# 1285

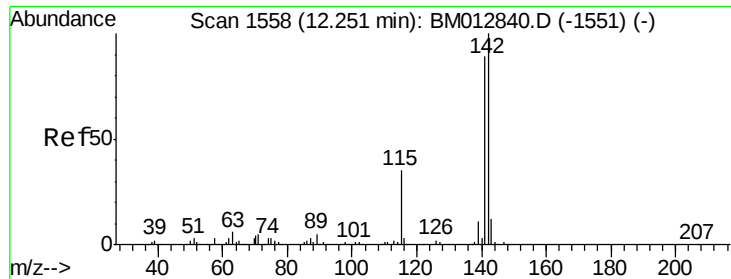
Delta R.T. 0.01 min

Lab File: BM012842.D

Acq: 09 Nov 2017 04:16

Tgt Ion:	128	Resp:	282832
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.5	15.7





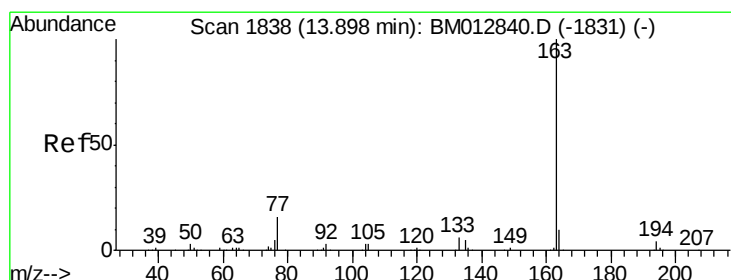
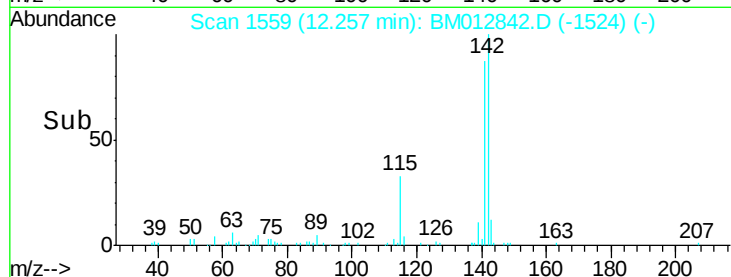
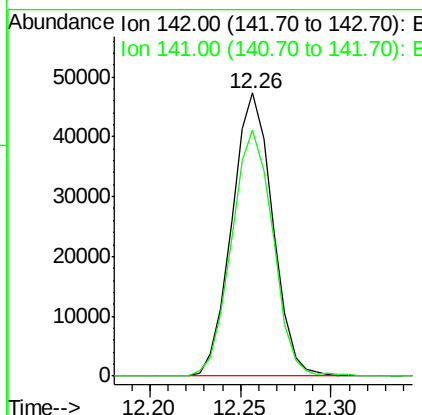
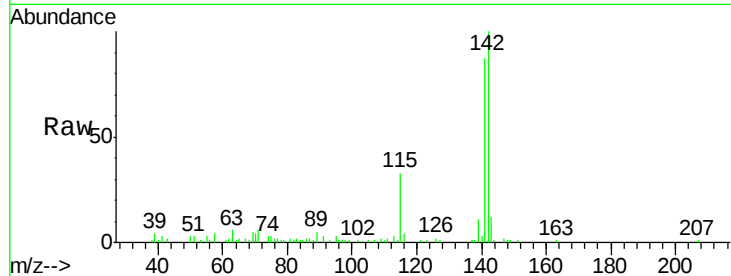
#34
2-Methylnaphthalene
Concen: 2.680 ng/ul
RT: 12.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Instrument :
BNA_M
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B-31(5-5.5)-101817

Tgt Ion:142 Resp: 73989
Ion Ratio Lower Upper
142 100
141 86.9 71.6 107.4

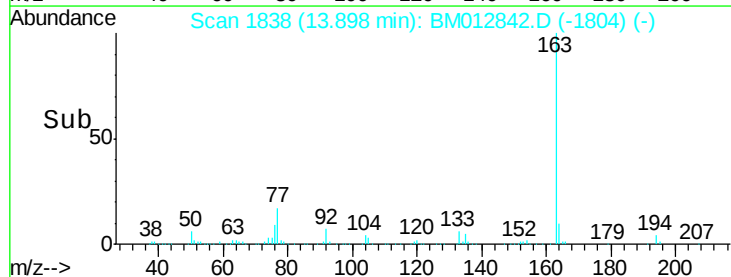
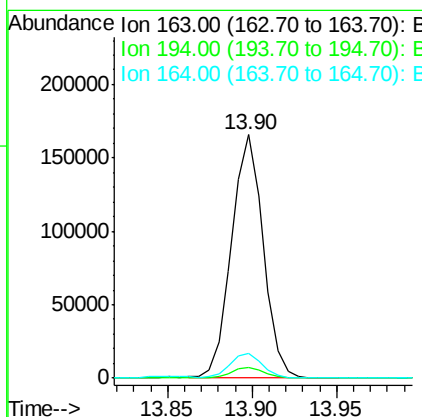
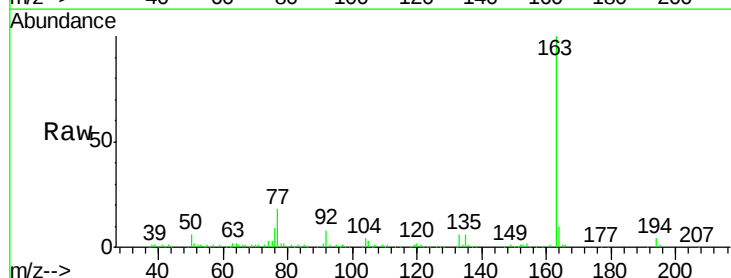
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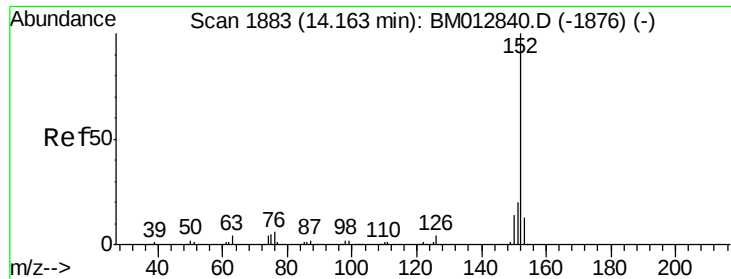
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#44
Dimethylphthalate
Concen: 6.291 ng/ul
RT: 13.90 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Tgt Ion:163 Resp: 214707
Ion Ratio Lower Upper
163 100
194 4.4 3.2 4.8
164 10.1 7.8 11.8





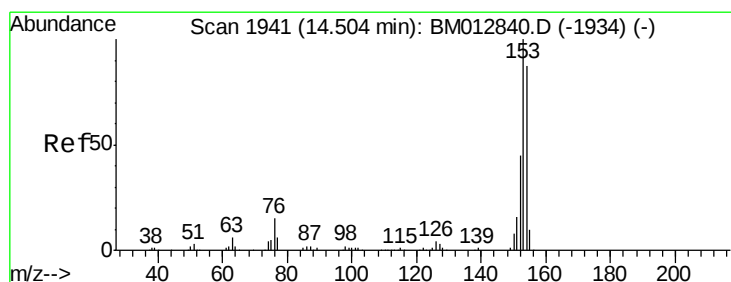
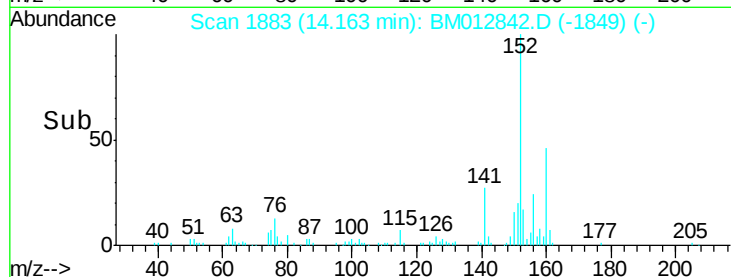
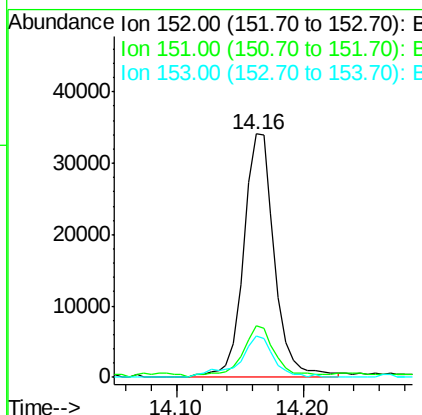
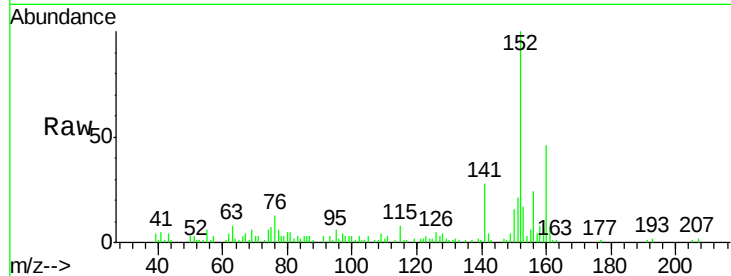
#47
Acenaphthylene
Concen: 1.402 ng/ul
RT: 14.16 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Instrument :
BNA_M
ClientSampleId :
B-31(5-5.5)-101817

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.7	23.5
153	16.9	10.5	15.7#

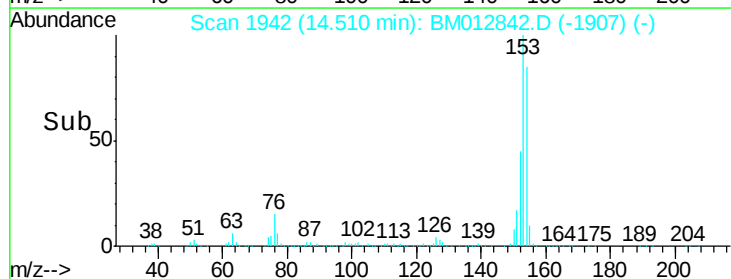
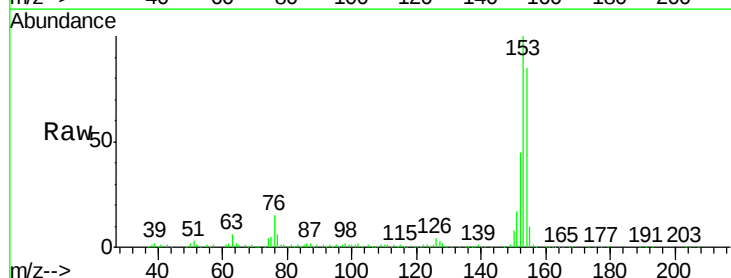
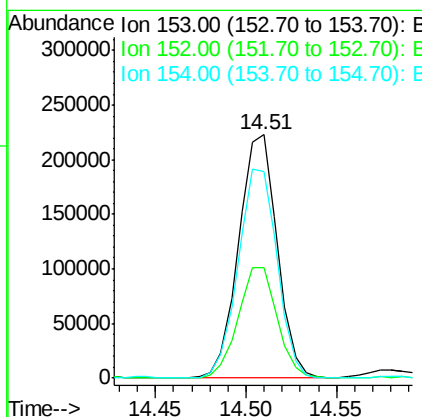
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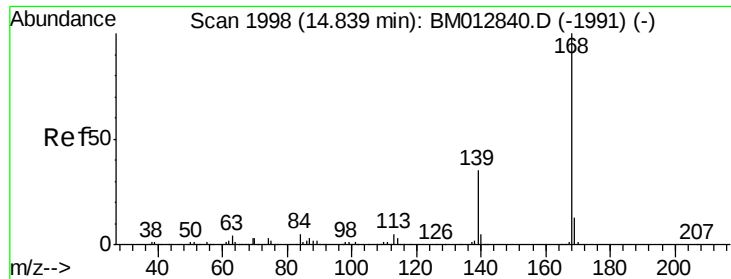
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#49
Acenaphthene
Concen: 11.731 ng/ul
RT: 14.51 min Scan# 1942
Delta R.T. 0.01 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.3	38.3	57.5
154	84.8	71.8	107.8





#53

Dibenzofuran

Concen: 9.213 ng/ul

RT: 14.84 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BM012842.D

Acq: 09 Nov 2017 04:16

Instrument :

BNA_M

ClientSampleId :

B-31(5-5.5)-101817

Tgt Ion:168 Resp: 377475

Ion Ratio Lower Upper

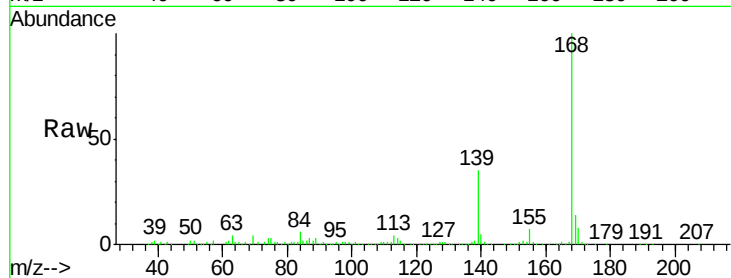
168 100

139 34.8 32.2 48.2

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

300000

250000

200000

150000

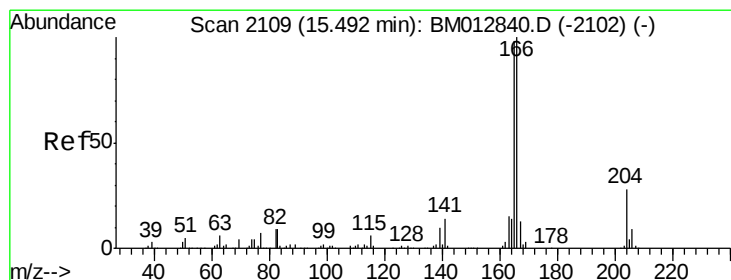
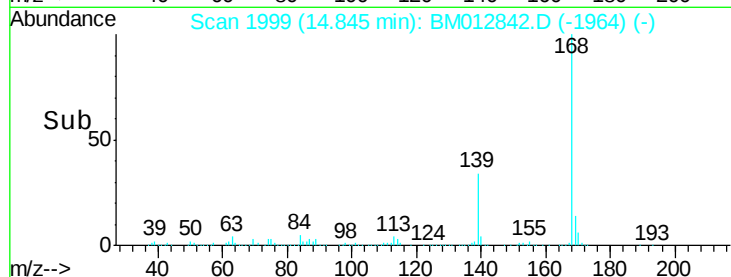
100000

50000

0

14.80 14.85 14.90

Time-->



#58

Fluorene

Concen: 10.886 ng/ul

RT: 15.49 min Scan# 2109

Delta R.T. -0.00 min

Lab File: BM012842.D

Acq: 09 Nov 2017 04:16

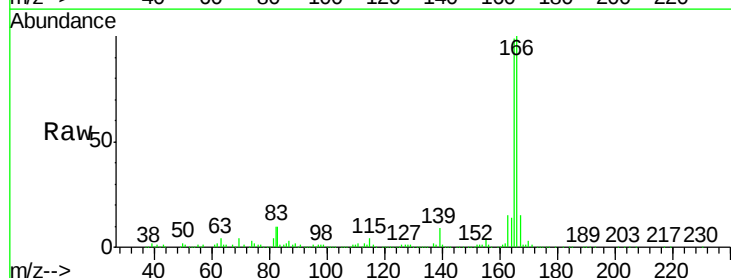
Tgt Ion:166 Resp: 370517

Ion Ratio Lower Upper

166 100

165 98.6 78.5 117.7

167 14.9 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

300000

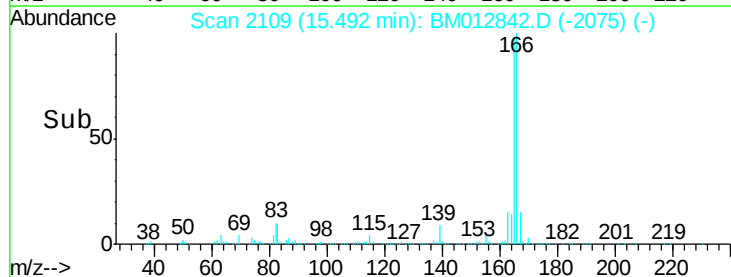
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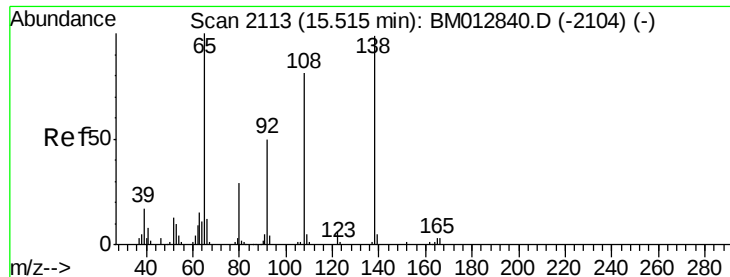
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15.45 15.50 15.55

Time-->





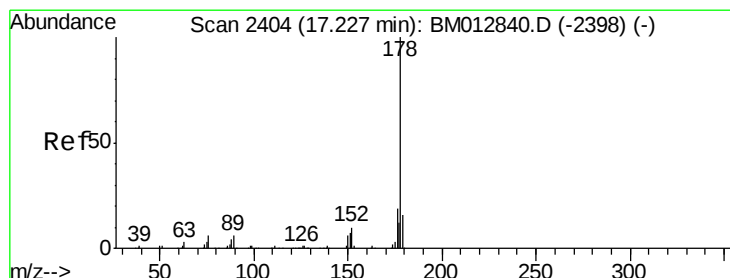
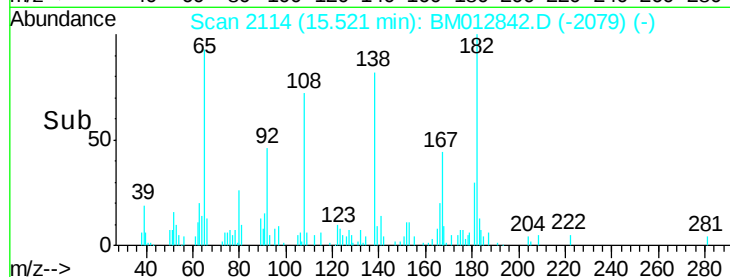
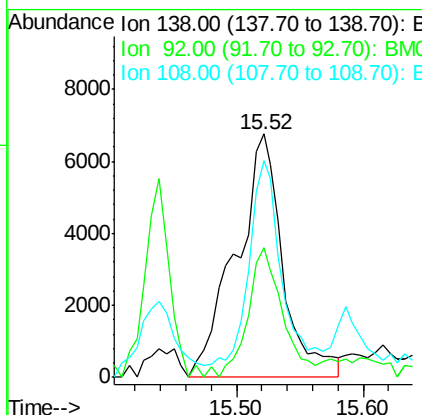
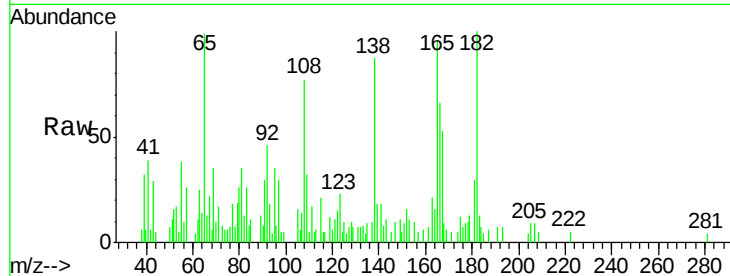
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4-Nitroaniline
Concen: 2.612 ng/ul
RT: 15.52 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

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Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.3	40.6	60.8
108	89.2	67.0	100.6

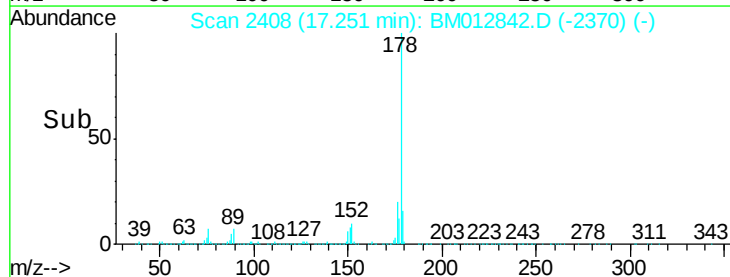
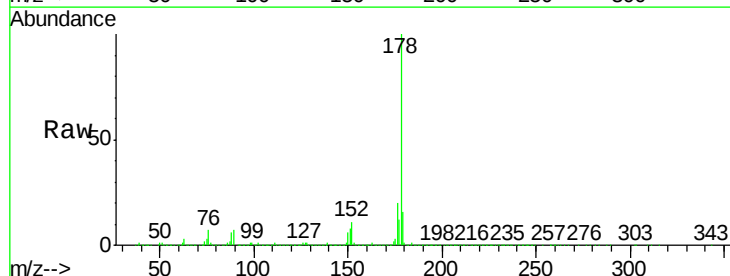
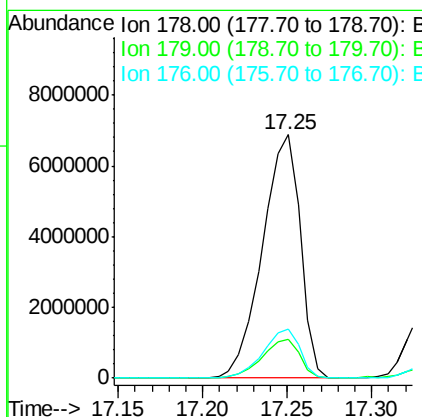
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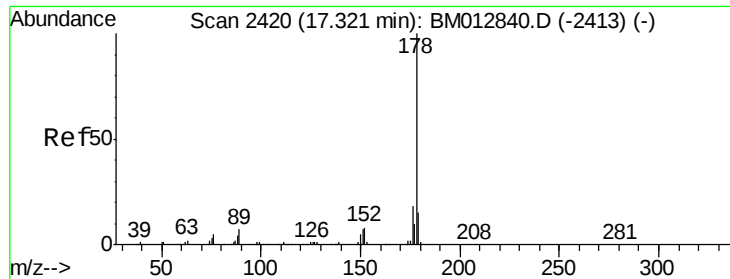
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#69
Phenanthrene
Concen: 249.467 ng/ul
RT: 17.25 min Scan# 2408
Delta R.T. 0.02 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.4
176	20.0	15.6	23.4





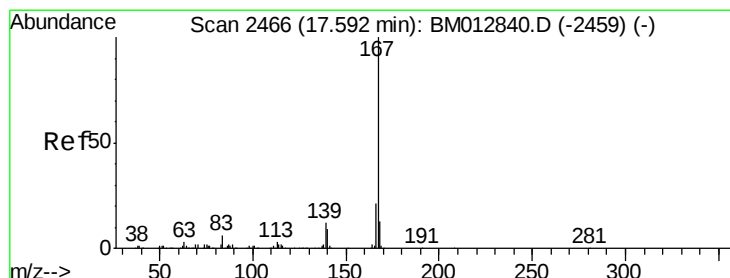
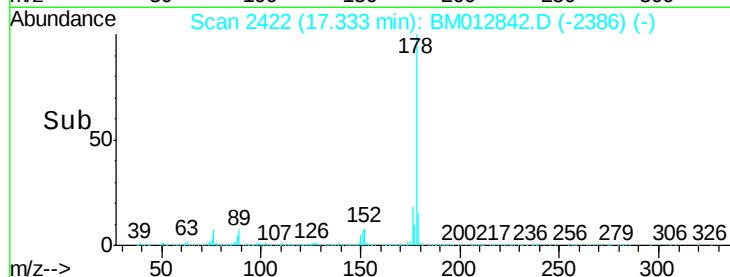
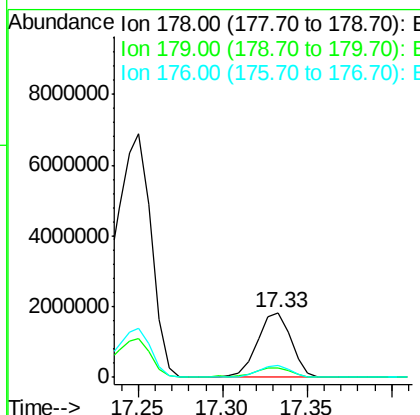
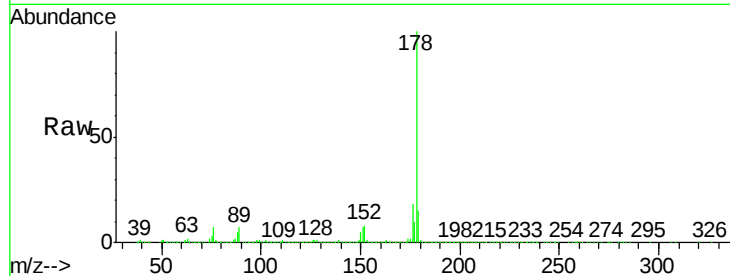
#71
 Anthracene
 Concen: 56.968 ng/ul
 RT: 17.33 min Scan# 2422
 Delta R.T. 0.01 min
 Lab File: BM012842.D
 Acq: 09 Nov 2017 04:16

Instrument :
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 B-31(5-5.5)-101817

Tgt Ion:178 Resp: 2535874
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.1 18.1
 176 18.4 14.8 22.2

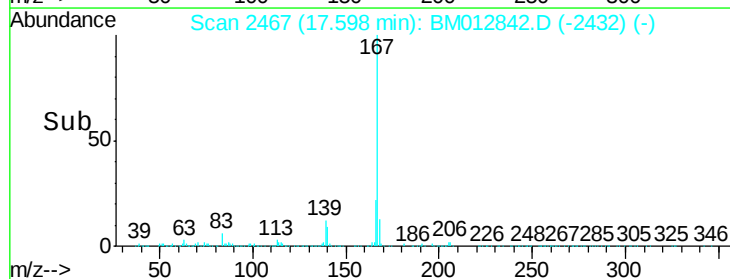
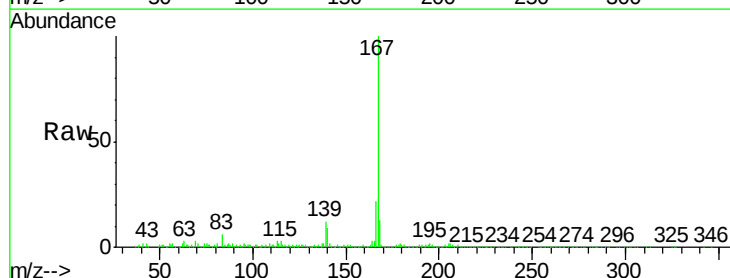
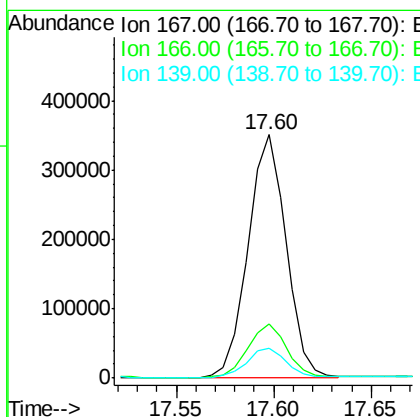
Manual Integrations
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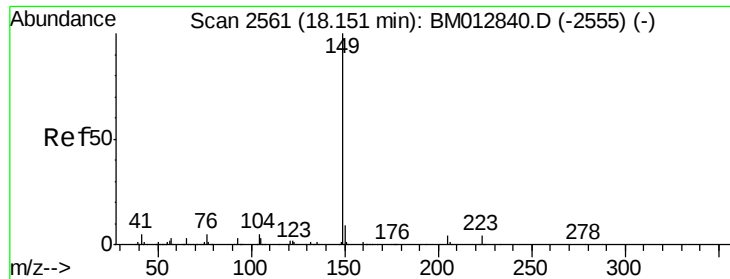
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#74
 Carbazole
 Concen: 12.671 ng/ul
 RT: 17.60 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BM012842.D
 Acq: 09 Nov 2017 04:16

Tgt Ion:167 Resp: 470431
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.6
 139 12.1 11.0 16.4





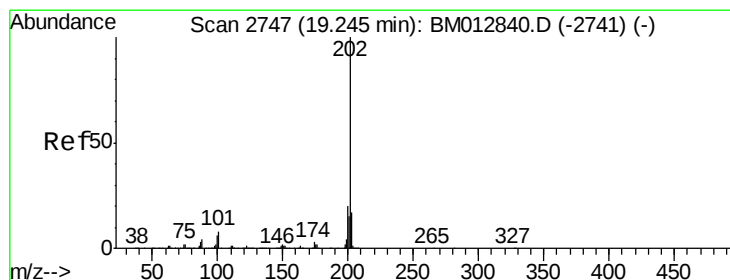
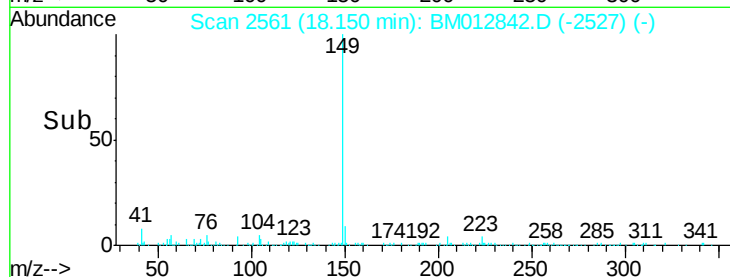
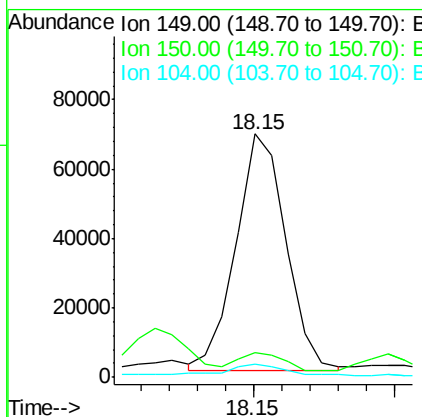
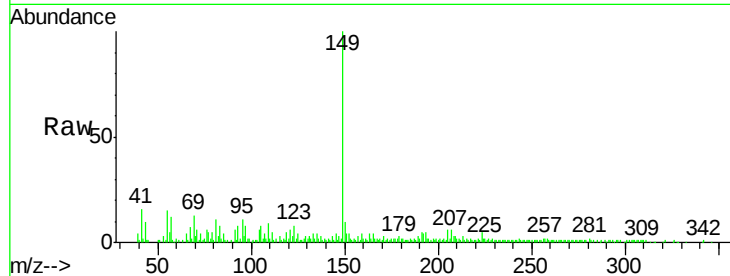
#75
Di-n-butylphthalate
Concen: 1.926 ng/ul
RT: 18.15 min Scan# 2561
Delta R.T. -0.00 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Instrument :
BNA_M
ClientSampleId :
B-31(5-5.5)-101817

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.3	7.4	11.0
104	5.6	4.0	6.0

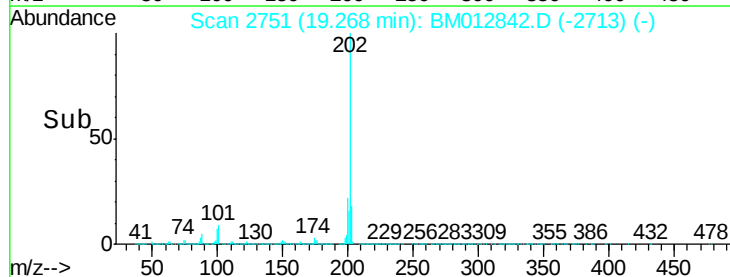
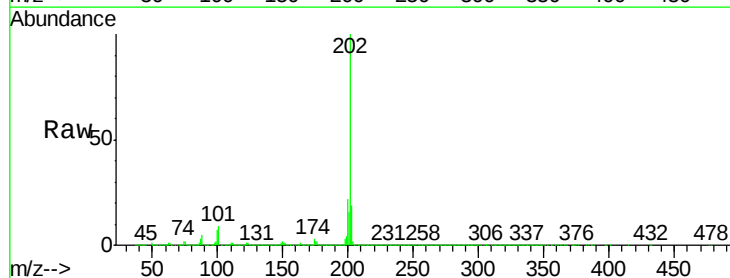
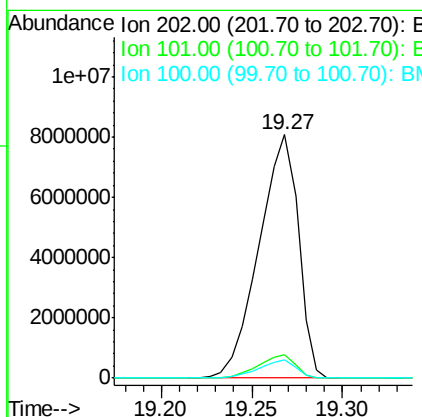
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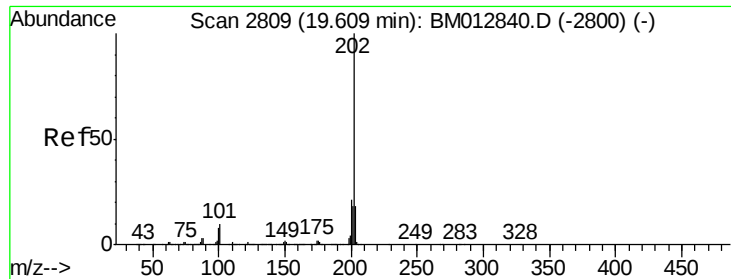
Sohil
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#76
Fluoranthene
Concen: 236.540 ng/ul
RT: 19.27 min Scan# 2751
Delta R.T. 0.02 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	8.8	13.2
100	7.3	6.6	9.8





#79

Pyrene

Concen: 215.730 ng/ul

RT: 19.63 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BM012842.D

Acq: 09 Nov 2017 04:16

Instrument :

BNA_M

ClientSampleId :

B-31(5-5.5)-101817

Tgt Ion:202 Resp: 9575853

Ion Ratio Lower Upper

202 100

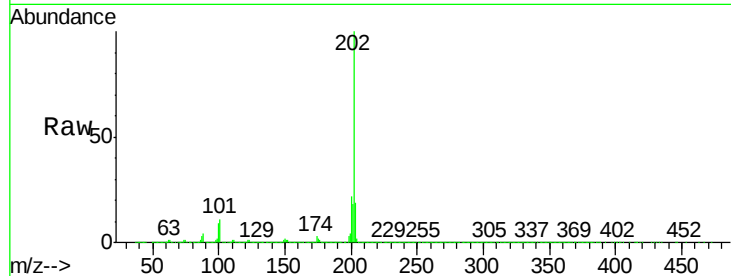
101 11.0 10.2 15.2

100 9.1 8.5 12.7

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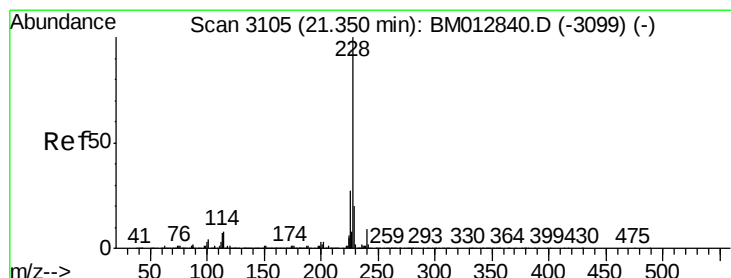
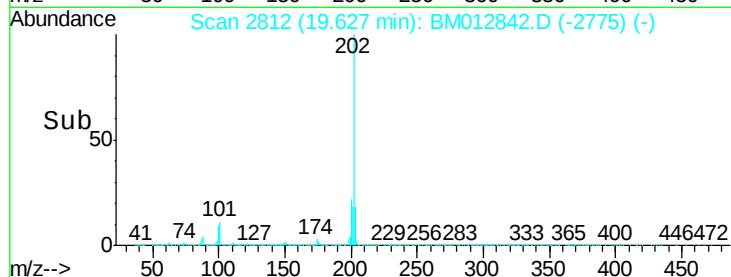
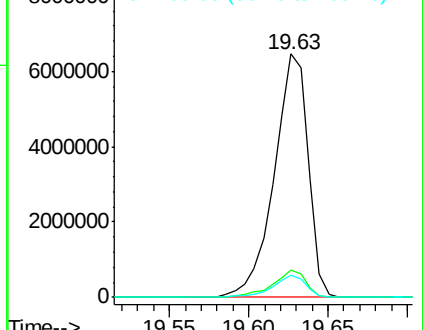
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 113.653 ng/ul

RT: 21.37 min Scan# 3108

Delta R.T. 0.02 min

Lab File: BM012842.D

Acq: 09 Nov 2017 04:16

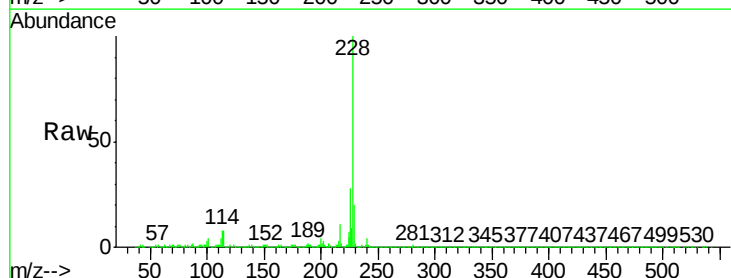
Tgt Ion:228 Resp: 5116591

Ion Ratio Lower Upper

228 100

229 20.2 15.7 23.5

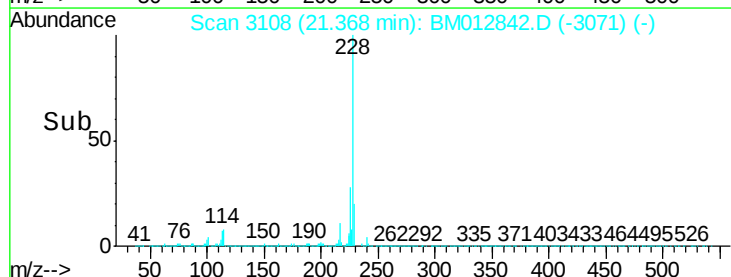
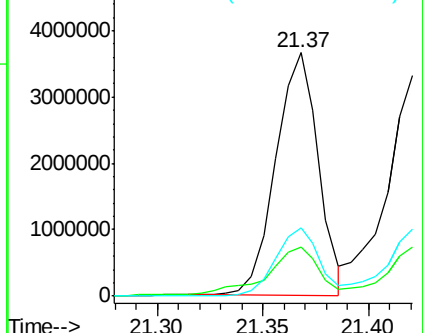
226 28.1 21.8 32.6

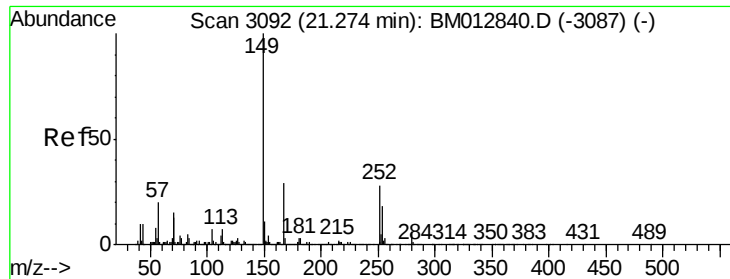


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





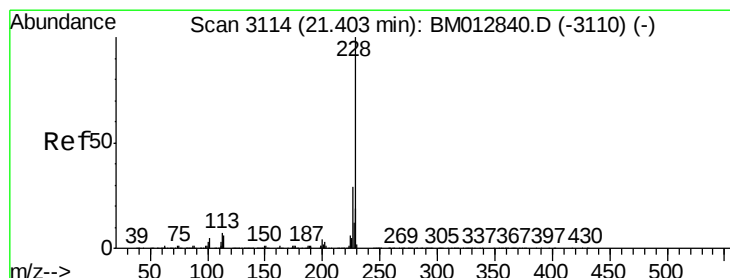
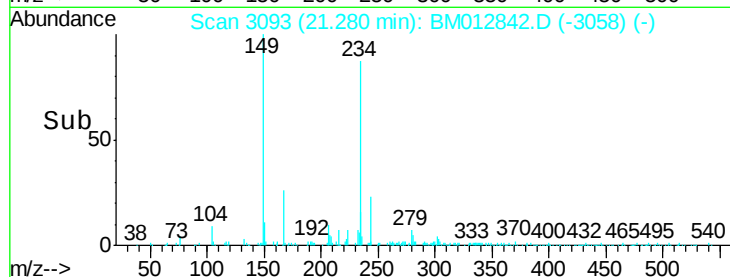
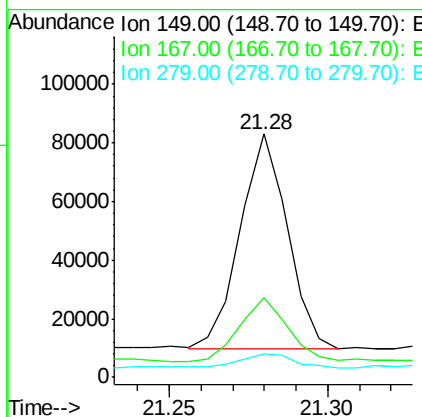
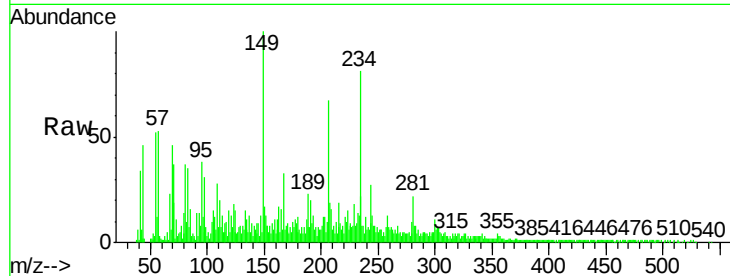
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.197 ng/ul
 RT: 21.28 min Scan# 3093
 Delta R.T. 0.01 min
 Lab File: BM012842.D
 Acq: 09 Nov 2017 04:16

Instrument :
 BNA_M
 ClientSampleId :
 B-31(5-5.5)-101817

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.6	21.6	32.4#
279	9.7	3.0	4.4#

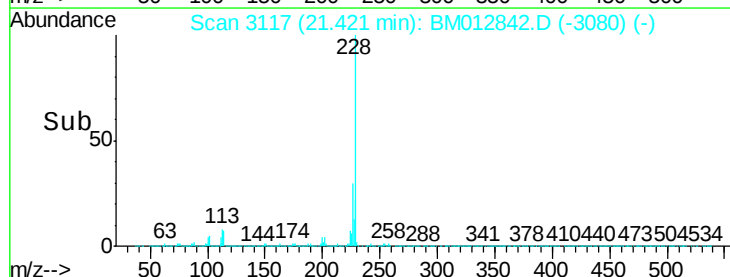
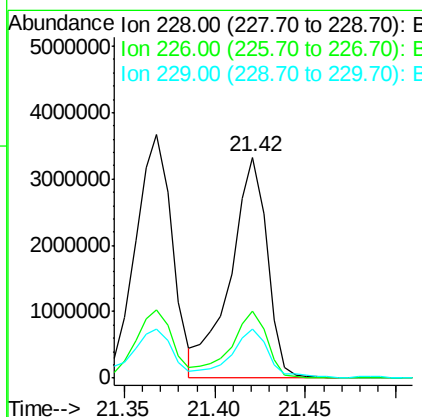
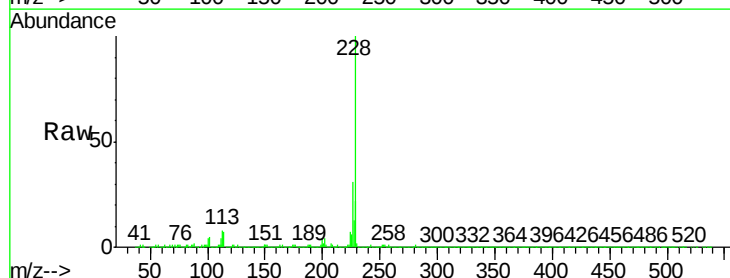
Manual Integrations
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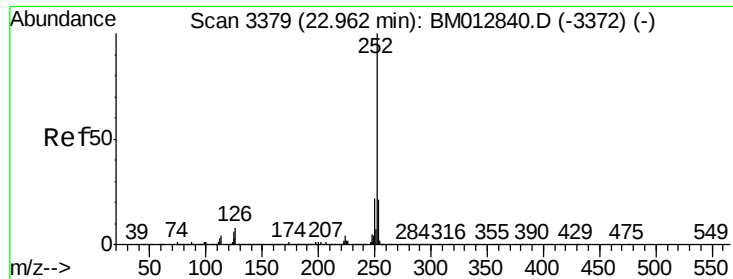
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#84
 Chrysene
 Concen: 114.527 ng/ul
 RT: 21.42 min Scan# 3117
 Delta R.T. 0.02 min
 Lab File: BM012842.D
 Acq: 09 Nov 2017 04:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	22.1	15.6	23.4





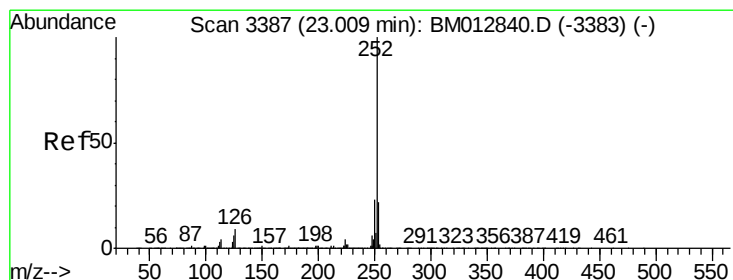
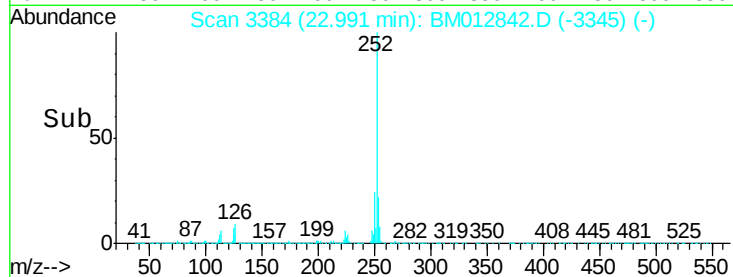
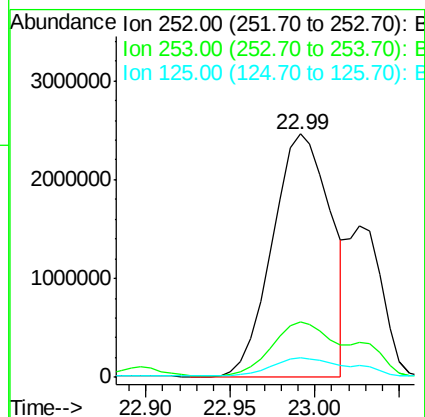
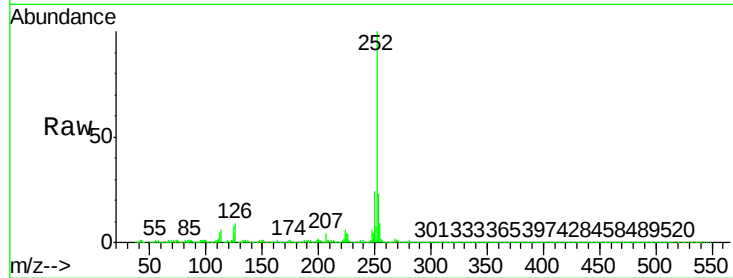
#87
Benzo(b)fluoranthene
Concen: 113.012 ng/ul
RT: 22.99 min Scan# 3384
Delta R.T. 0.03 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Instrument :
BNA_M
ClientSampleId :
B-31(5-5.5)-101817

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	7.8	8.5	12.7#

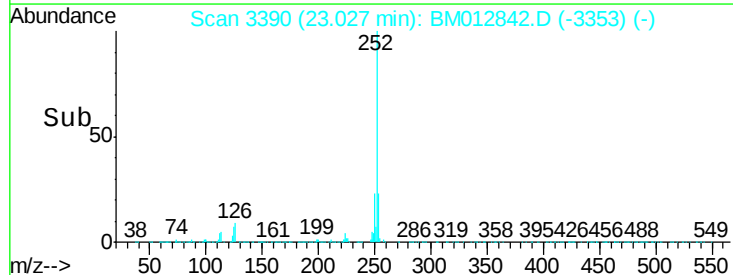
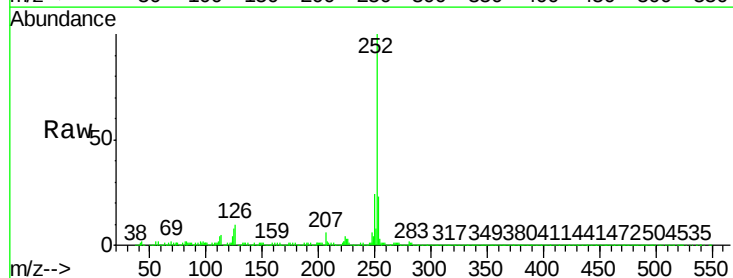
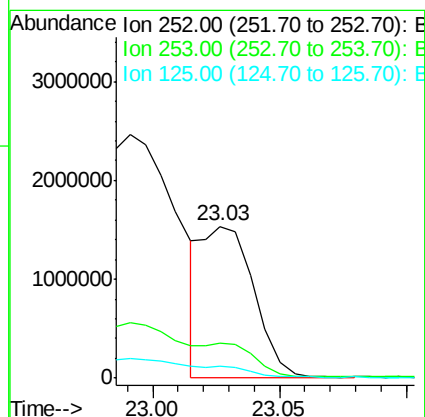
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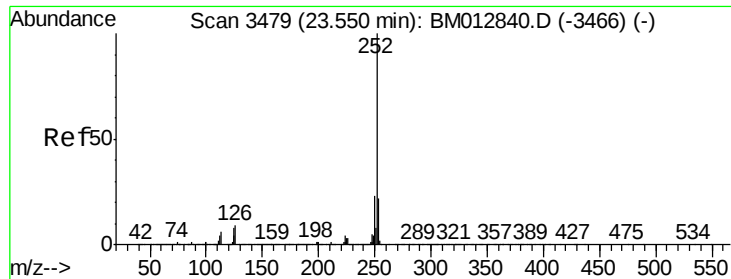
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#88
Benzo(k)fluoranthene
Concen: 43.628 ng/ul m
RT: 23.03 min Scan# 3390
Delta R.T. 0.02 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	7.7	8.2	12.2#





#90

Benzo(a)pyrene

Concen: 83.586 ng/ul m

RT: 23.59 min Scan# 3485

Delta R.T. 0.04 min

Lab File: BM012842.D

Acq: 09 Nov 2017 04:16

Instrument :

BNA_M

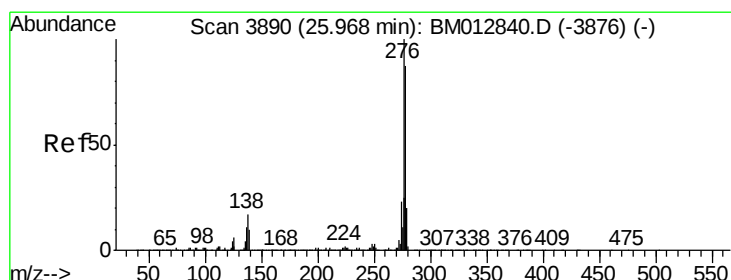
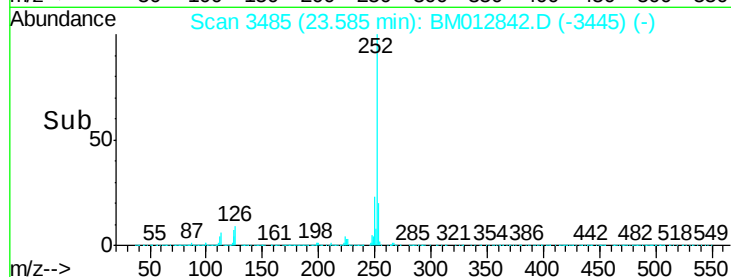
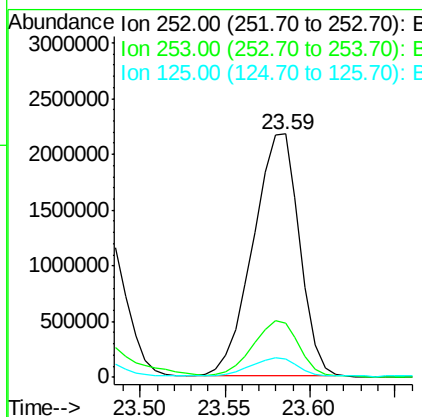
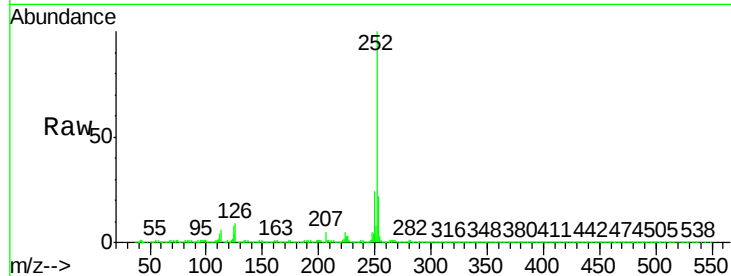
ClientSampleId :

B-31(5-5.5)-101817

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	7.5	9.0	13.6

Manual Integrations
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#91

Indeno(1,2,3-cd)pyrene

Concen: 49.598 ng/ul

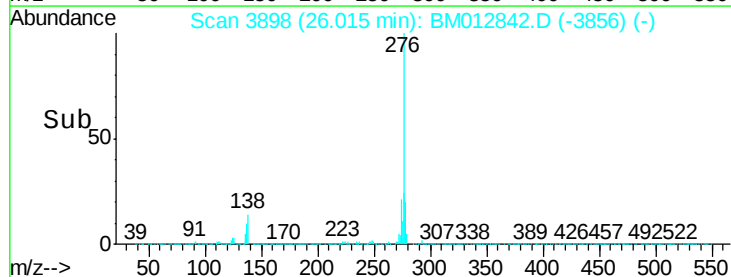
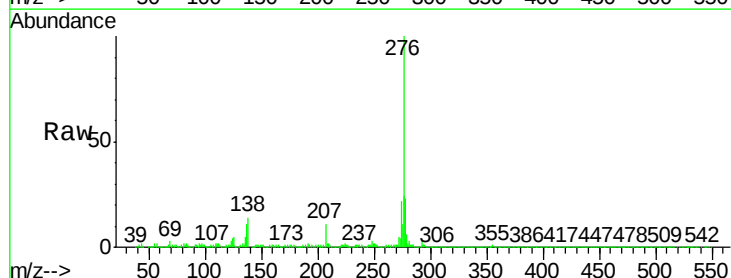
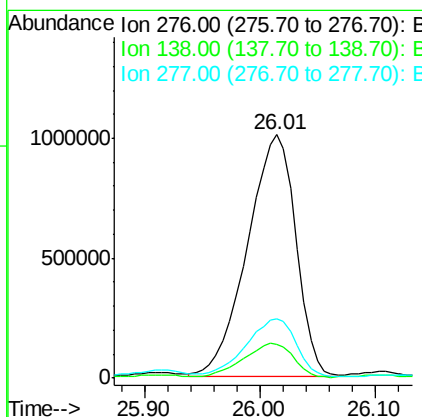
RT: 26.01 min Scan# 3898

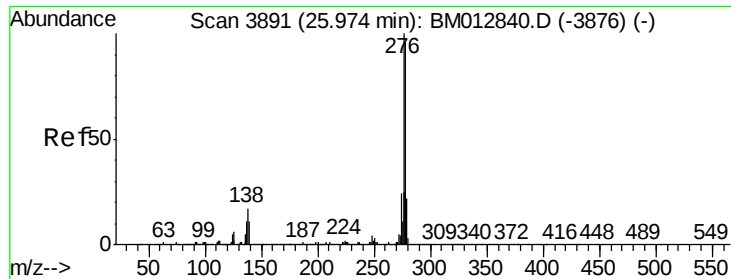
Delta R.T. 0.05 min

Lab File: BM012842.D

Acq: 09 Nov 2017 04:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.1	22.3	33.5
277	24.4	20.2	30.2





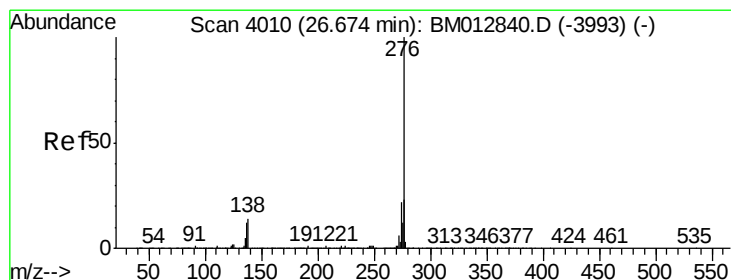
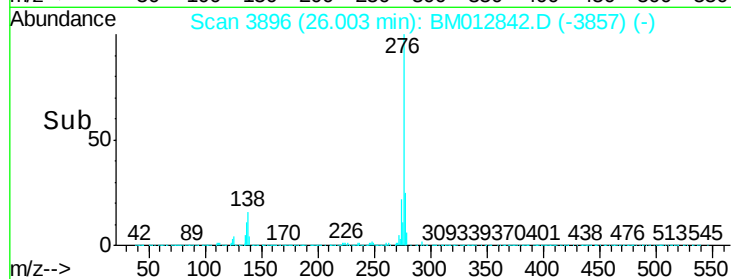
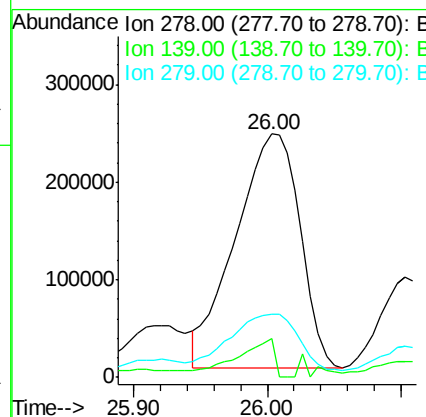
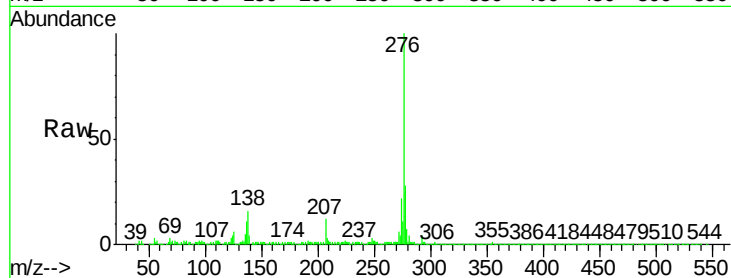
#92
Dibenzo(a,h)anthracene
Concen: 15.992 ng/ul
RT: 26.00 min Scan# 3896
Delta R.T. 0.03 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Instrument :
BNA_M
ClientSampleId :
B-31(5-5.5)-101817

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.9	20.9
279	26.0	19.0	28.4

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 48.212 ng/ul
RT: 26.73 min Scan# 4019
Delta R.T. 0.05 min
Lab File: BM012842.D
Acq: 09 Nov 2017 04:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	18.9	28.3#
277	24.5	19.2	28.8

