

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013948.D
 Acq On : 29 Jan 2018 06:35
 Operator : SJ/JU
 Sample : J1243-12 20X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B35

Manual Integrations
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Sohil
 1/29/2018 6:08:58 PM

Quant Time: Jan 29 07:21:05 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	205575	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	736607	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.23	164	595036	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	782223	20.00	ng/ul	0.02
75) Chrysene-d12	21.20	240	858239	20.00	ng/ul	0.01
83) Perylene-d12	23.38	264	858024	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	15717	3.02	ng/uL	0.00
5) Phenol-d5	6.76	99	356480	22.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	235752	24.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	318086	24.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	295203	24.33	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	158268	27.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	168338	27.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	306090	26.23	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	237356	23.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	815546	16.63	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	1002040	16.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	78688	9.87	ng/ul	0.01
57) Fluorene-d10	15.24	176	655312	15.19	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.42	200	65748	13.96	ng/ul	0.04
70) Anthracene-d10	17.12	188	992188	26.04	ng/ul	0.04
76) Pyrene-d10	19.40	212	1132987	28.35	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.24	264	1065887	27.03	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.79	94	61736	3.900	ng/ul	92
28) Naphthalene	10.41	128	34219260m	933.777	ng/ul	
34) 2-Methylnaphthalene	12.04	142	25431531m	930.808	ng/ul	
40) 1,1'-Biphenyl	13.06	154	8160076	164.748	ng/ul	99
44) Dimethylphthalate	13.70	163	230531	4.781	ng/ul	99
47) Acenaphthylene	13.96	152	326667	5.709	ng/ul#	71
49) Acenaphthene	14.32	153	20518049m	517.756	ng/ul	
53) Dibenzofuran	14.65	168	19478940m	326.736	ng/ul	
58) Fluorene	15.30	166	17909743m	366.739	ng/ul	
68) Pentachlorophenol	16.67	266	835568	158.114	ng/ul	98
69) Phenanthrene	17.04	178	36661706m	843.174	ng/ul	
71) Anthracene	17.15	178	14076621	313.874	ng/ul#	82
72) Carbazole	17.41	167	3814765	103.046	ng/ul	99
74) Fluoranthene	19.07	202	26915593m	518.585	ng/ul	
77) Pyrene	19.43	202	22233799m	426.140	ng/ul	
80) Benzo(a)anthracene	21.19	228	6407868	123.563	ng/ul	99
82) Chrysene	21.23	228	4689400	98.570	ng/ul	98
85) Benzo(b)fluoranthene	22.73	252	3007102	57.068	ng/ul#	99
86) Benzo(k)fluoranthene	22.77	252	875948m	17.198	ng/ul	
88) Benzo(a)pyrene	23.29	252	1676087	33.671	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.56	276	496217	8.445	ng/ul	98
90) Dibenzo(a,h)anthracene	25.56	278	146080	2.944	ng/ul#	95
91) Benzo(g,h,i)perylene	26.23	276	302915	6.264	ng/ul#	94

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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

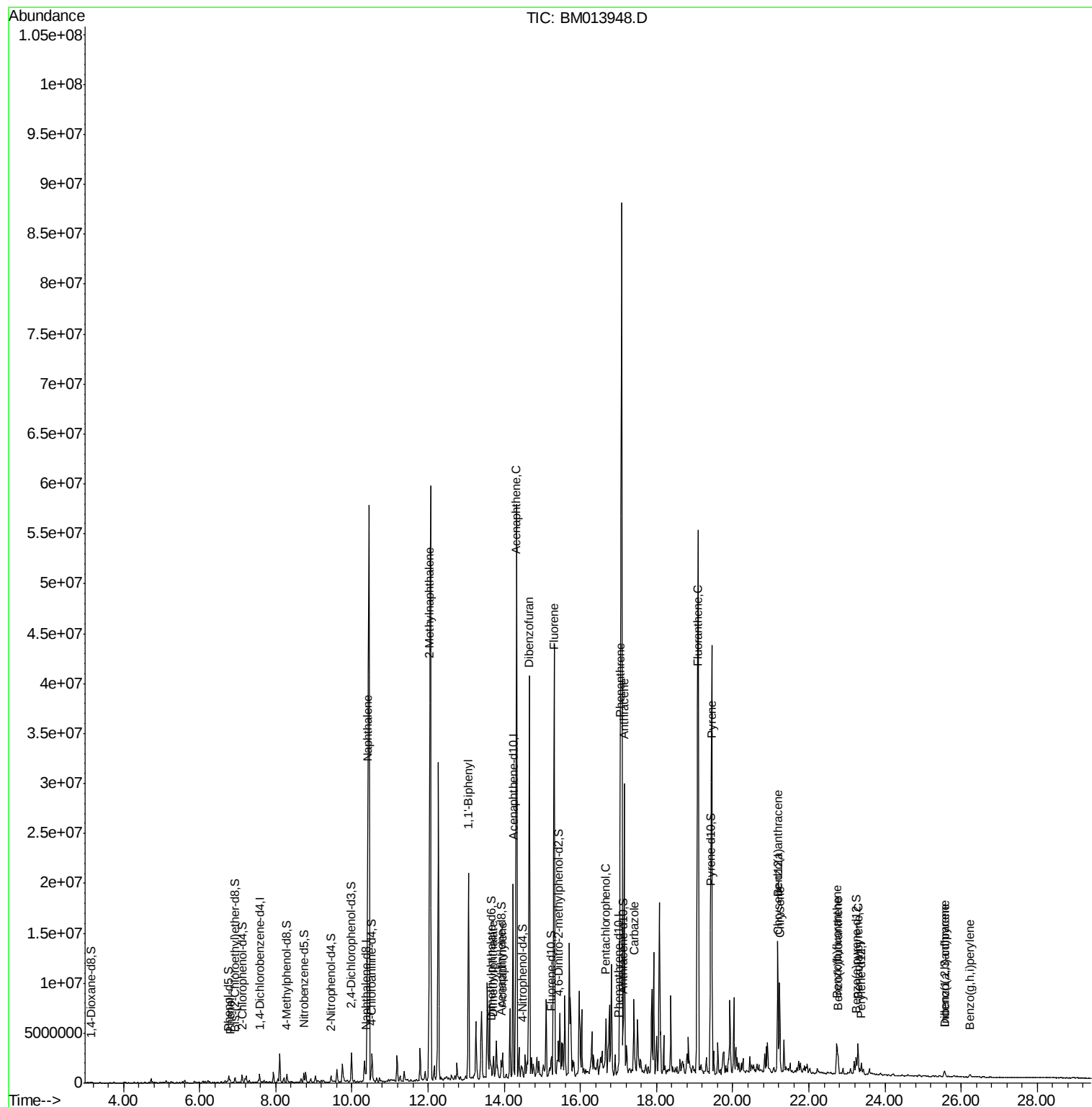
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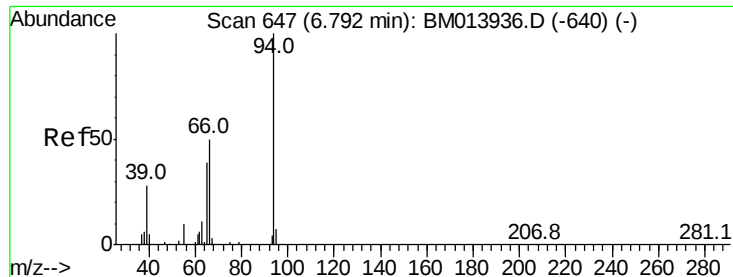
Instrument :
BNA_M
ClientSampleId :
F6B35

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#6

Phenol

Concen: 3.900 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. -0.00 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

Instrument :

BNA_M

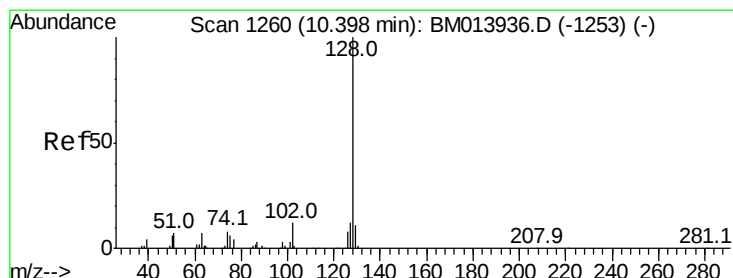
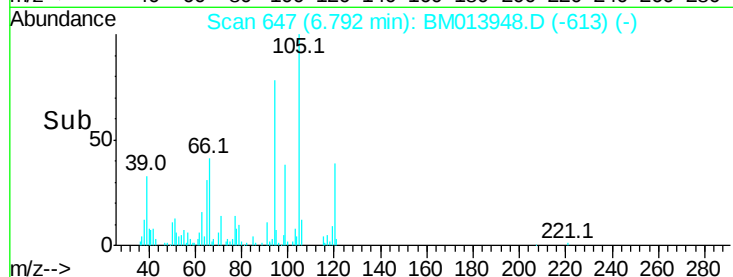
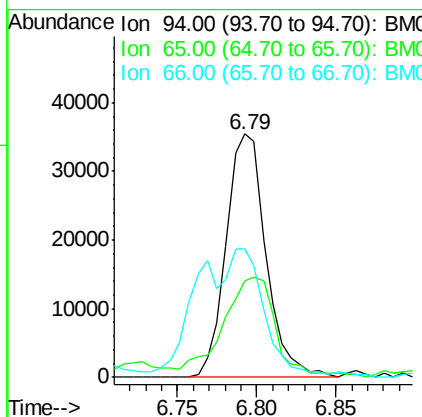
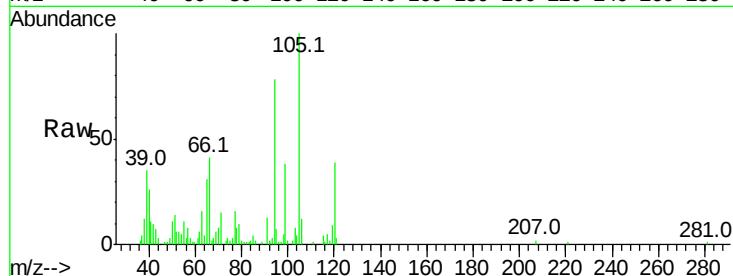
ClientSampleId :

F6B35

Tot Ion:	94	Resp:	61736
Ion Ratio	Lower	Upper	
94	100		
65	39.6	28.2	42.4
66	52.6	47.2	70.8

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#28

Naphthalene

Concen: 933.777 ng/ul m

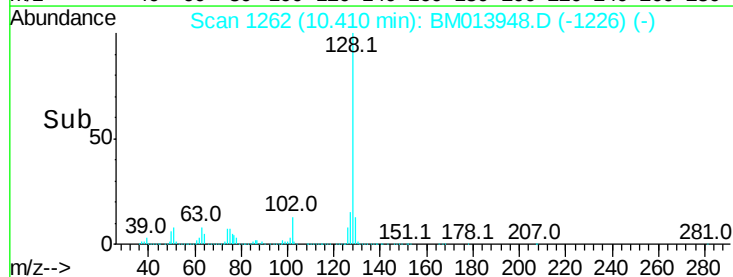
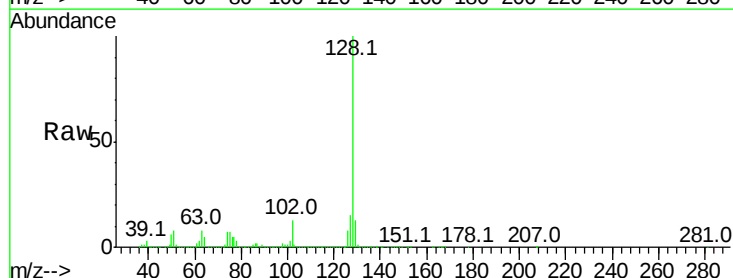
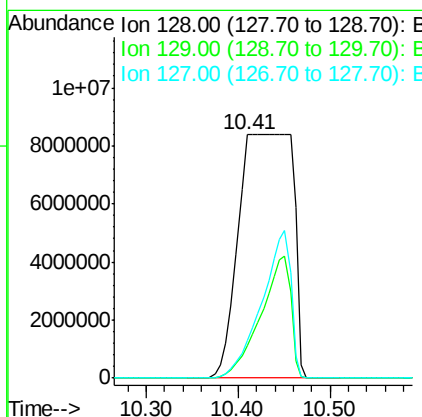
RT: 10.41 min Scan# 1262

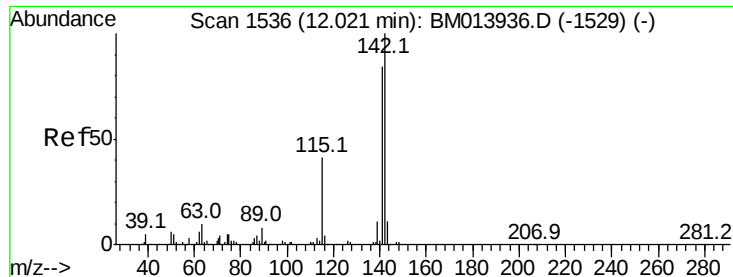
Delta R.T. 0.01 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

Tgt Ion:	128	Resp:	34219260
Ion Ratio	Lower	Upper	
128	100		
129	13.1	8.8	13.2
127	15.3	10.6	16.0





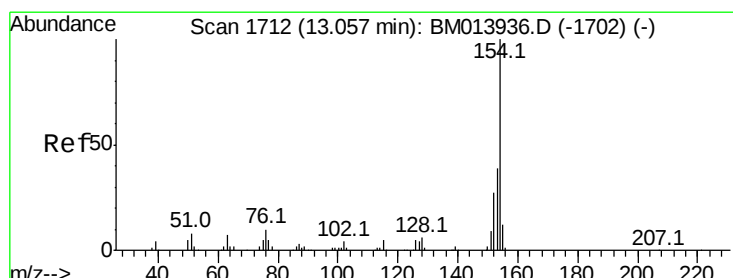
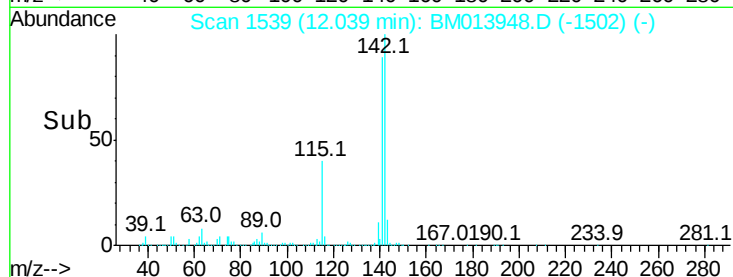
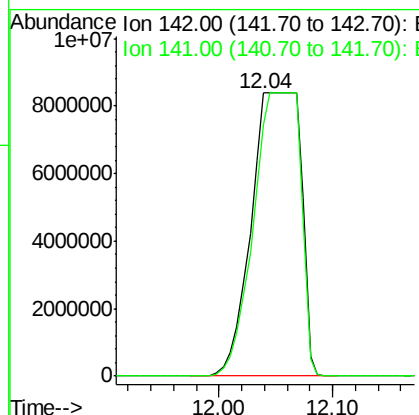
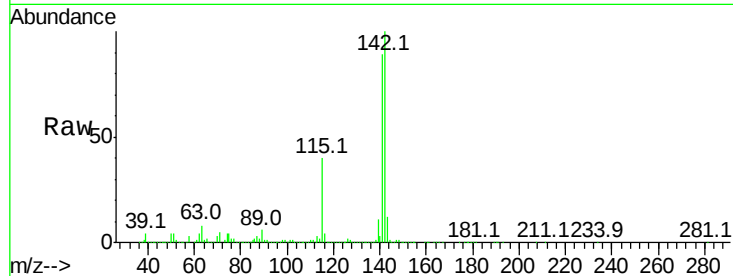
#34
 2-Methylnaphthalene
 Concen: 930.808 ng/ul m
 RT: 12.04 min Scan# 1539
 Delta R.T. 0.02 min
 Lab File: BM013948.D
 Acq: 29 Jan 2018 06:35

Instrument :
 BNA_M
 ClientSampleId :
 F6B35

Tot Ion:142 Resp:25431531
 Ion Ratio Lower Upper
 142 100
 141 88.9 74.1 111.1

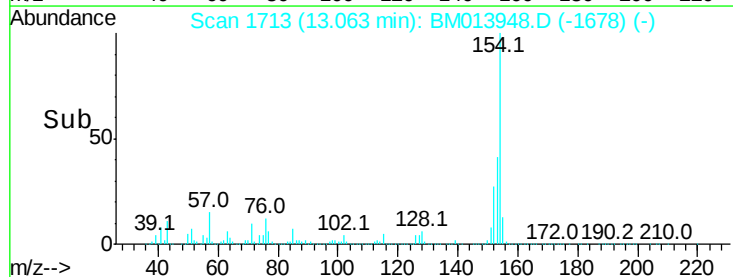
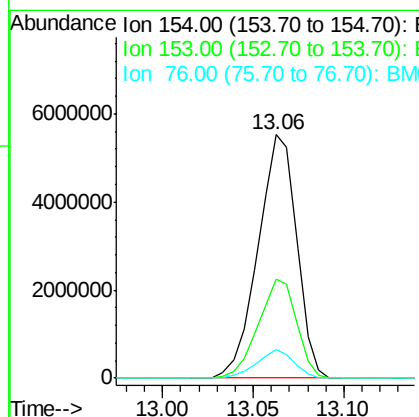
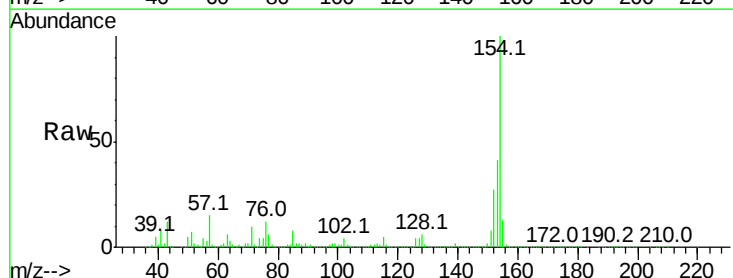
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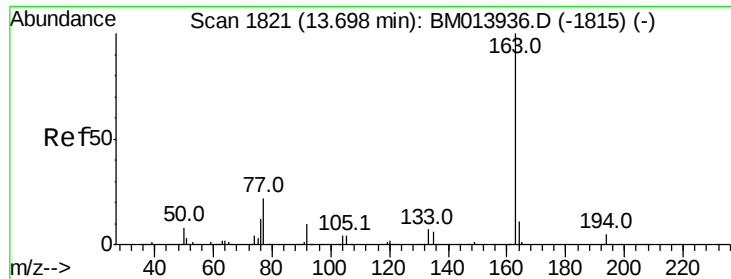
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#40
 1,1'-Biphenyl
 Concen: 164.748 ng/ul
 RT: 13.06 min Scan# 1713
 Delta R.T. 0.01 min
 Lab File: BM013948.D
 Acq: 29 Jan 2018 06:35

Tgt Ion:154 Resp: 8160076
 Ion Ratio Lower Upper
 154 100
 153 40.5 32.6 48.8
 76 11.7 8.5 12.7





#44

Dimethylphthalate

Concen: 4.781 ng/ul

RT: 13.70 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

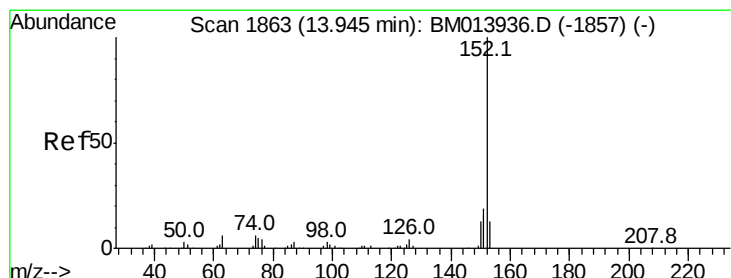
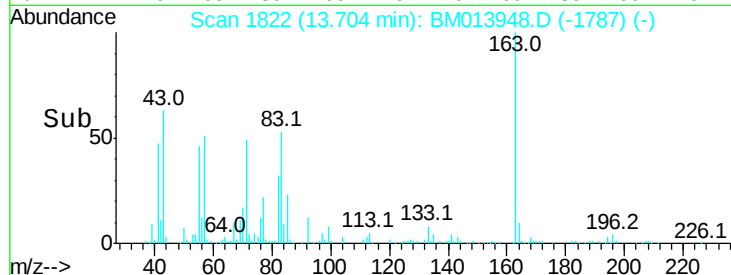
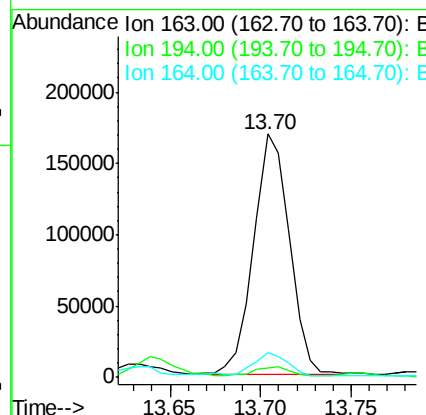
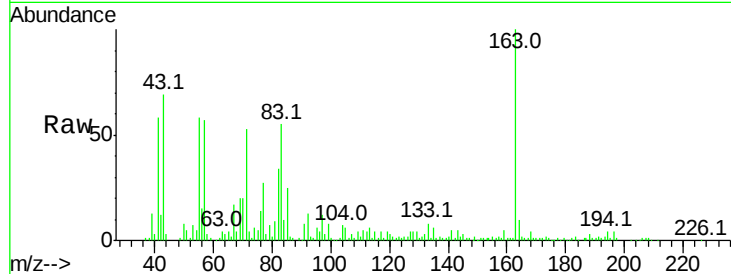
Instrument :
BNA_M

ClientSampled :
F6B35

Tot Ion	Ratio	Resp	Lower	Upper
163	100	230531		
194	3.6	3.5	5.3	
164	10.4	8.2	12.4	

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#47

Acenaphthylene

Concen: 5.709 ng/ul

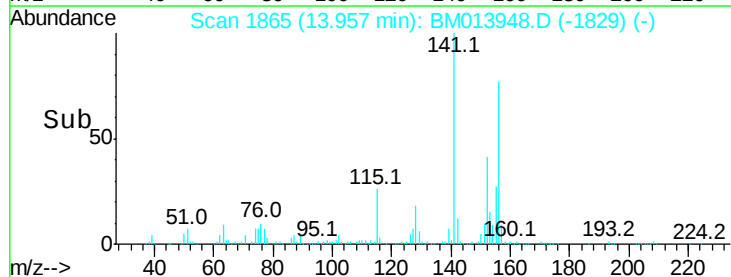
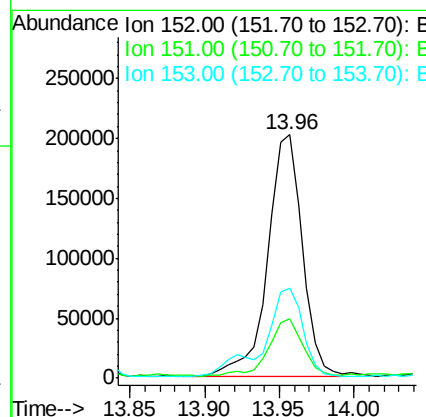
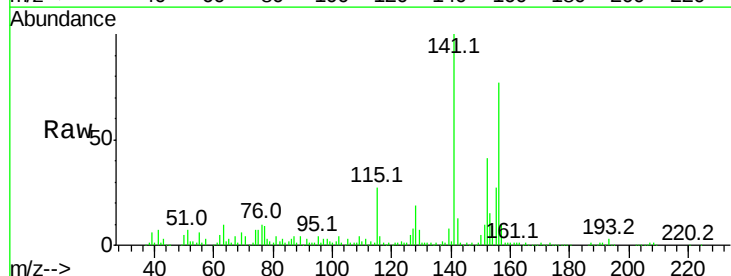
RT: 13.96 min Scan# 1865

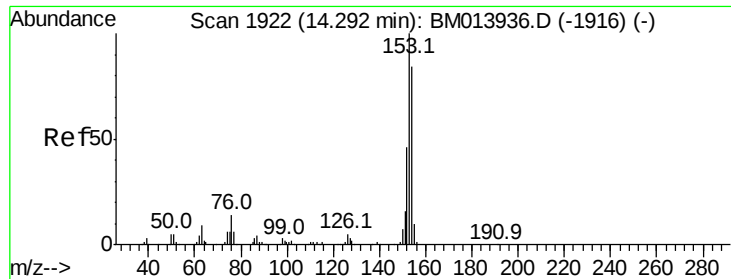
Delta R.T. 0.01 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	326667		
151	24.3	16.3	24.5	
153	37.1	10.2	15.4	





#49

Acenaphthene

Concen: 517.756 ng/ul m

RT: 14.32 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

Instrument :

BNA_M

ClientSampled :

F6B35

Tot Ion:153 Resp:20518049

Ion Ratio Lower Upper

153 100

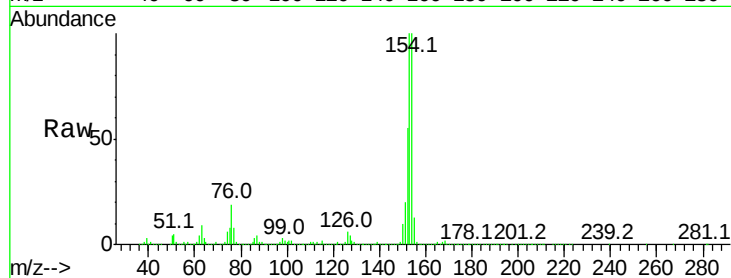
152 55.1 37.6 56.4

154 100.0 70.4 105.6

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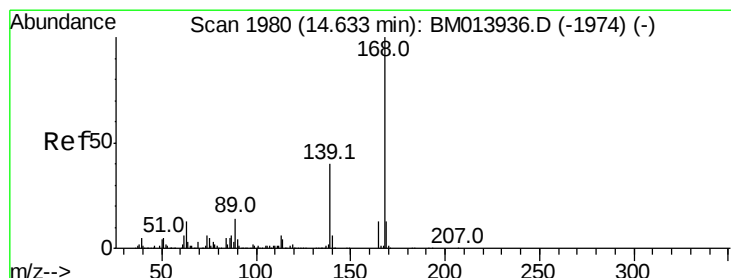
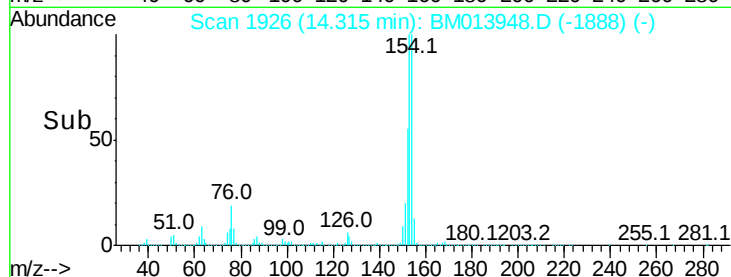
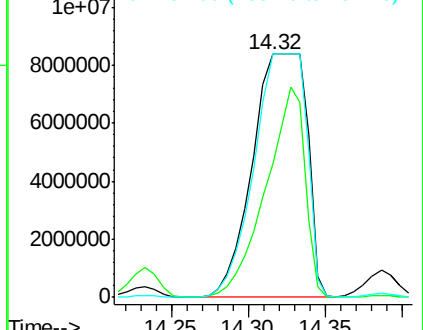
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 326.736 ng/ul m

RT: 14.65 min Scan# 1983

Delta R.T. 0.02 min

Lab File: BM013948.D

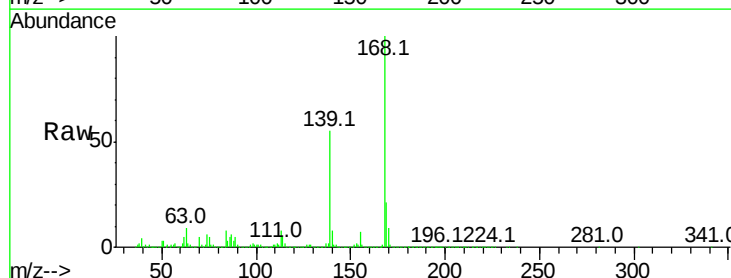
Acq: 29 Jan 2018 06:35

Tgt Ion:168 Resp:19478940

Ion Ratio Lower Upper

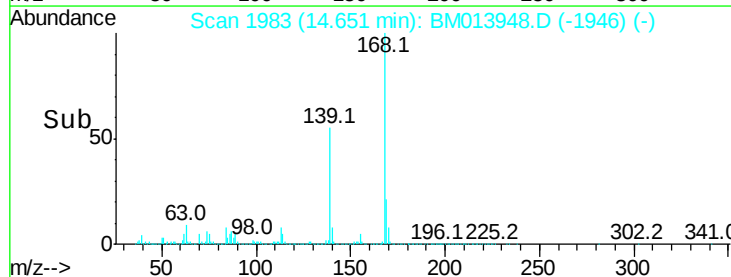
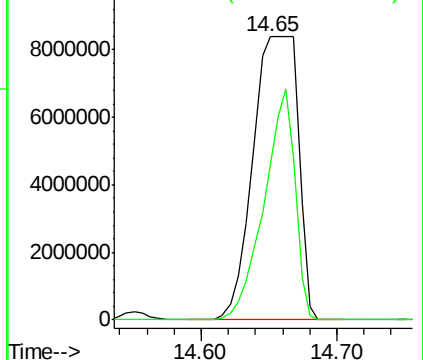
168 100

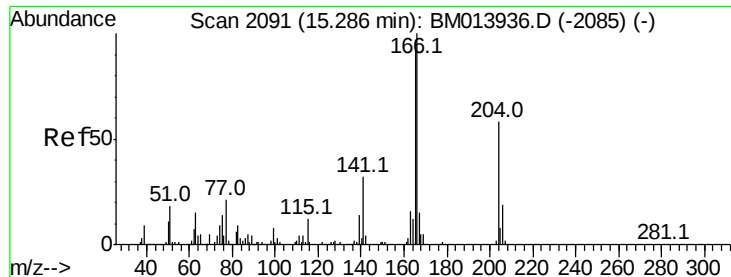
139 55.1 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





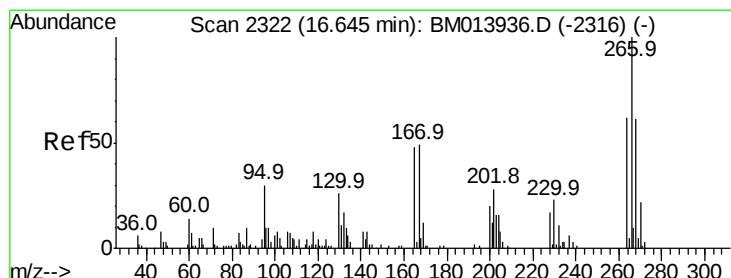
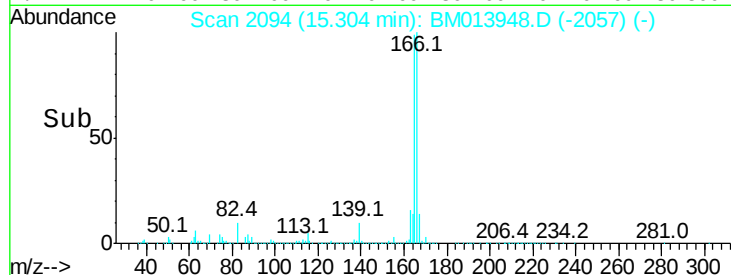
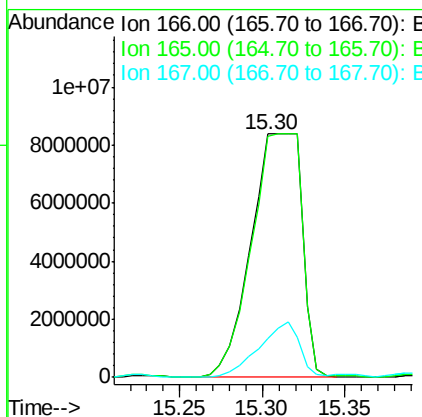
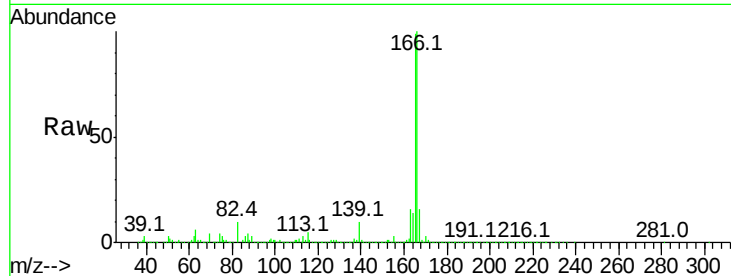
#58
 Fluorene
 Concen: 366.739 ng/ul m
 RT: 15.30 min Scan# 2094
 Delta R.T. 0.02 min
 Lab File: BM013948.D
 Acq: 29 Jan 2018 06:35

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 F6B35

Tot Ion:166 Resp:17909743
 Ion Ratio Lower Upper
 166 100
 165 99.2 77.9 116.9
 167 15.7 10.6 16.0

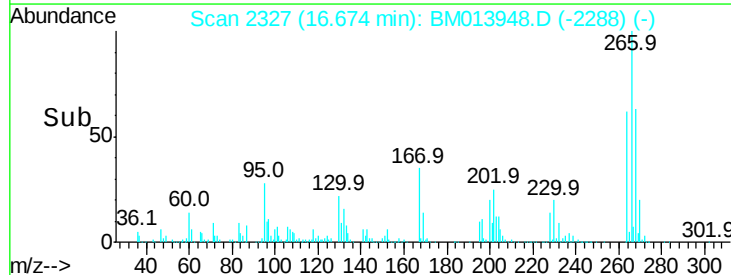
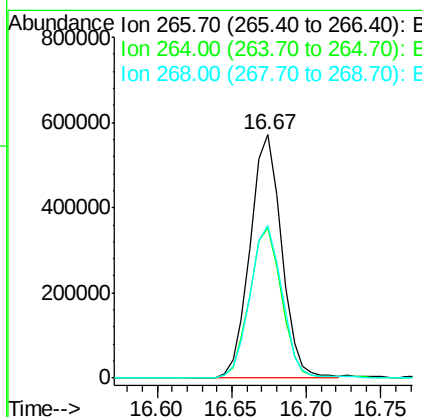
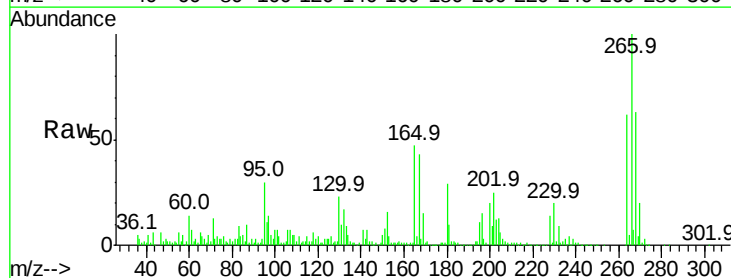
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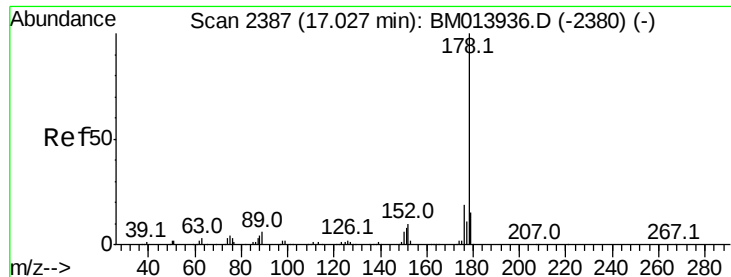
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#68
 Pentachlorophenol
 Concen: 158.114 ng/ul
 RT: 16.67 min Scan# 2327
 Delta R.T. 0.03 min
 Lab File: BM013948.D
 Acq: 29 Jan 2018 06:35

Tgt Ion:266 Resp: 835568
 Ion Ratio Lower Upper
 266 100
 264 61.9 49.3 73.9
 268 63.0 52.6 78.8





#69

Phenanthrene

Concen: 843.174 ng/ul m

RT: 17.04 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

Instrument :

BNA_M

ClientSampled :

F6B35

Tot Ion:178 Resp:36661706

Ion Ratio Lower Upper

178 100

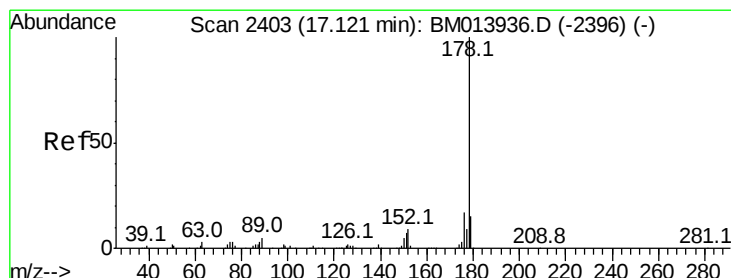
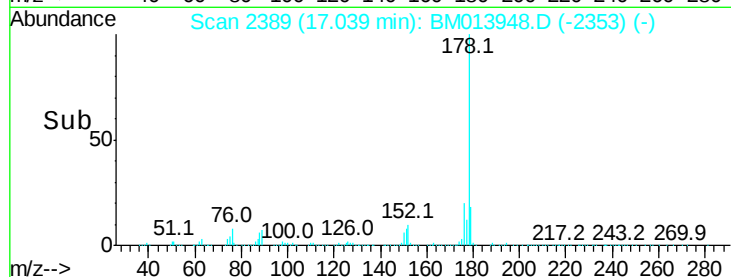
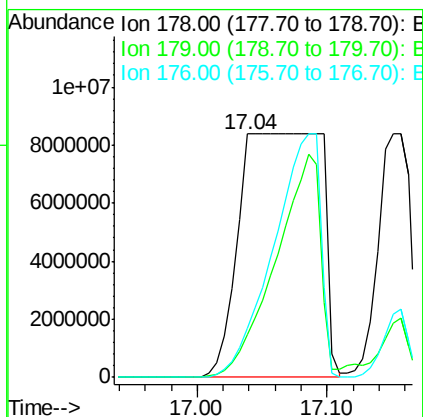
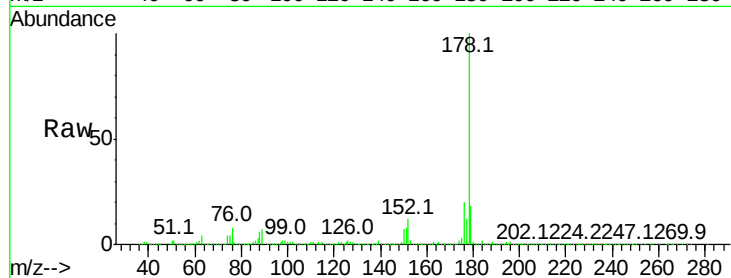
179 17.6 12.6 19.0

176 20.0 14.9 22.3

Manual Integrations
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#71

Anthracene

Concen: 313.874 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.03 min

Lab File: BM013948.D

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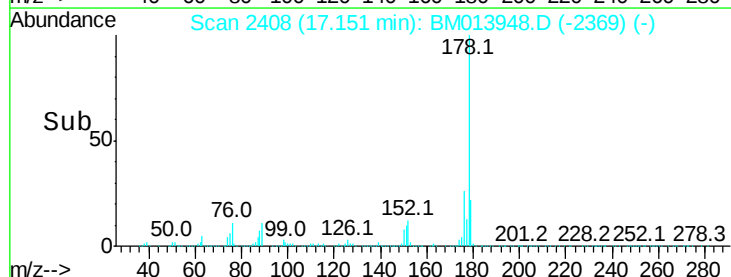
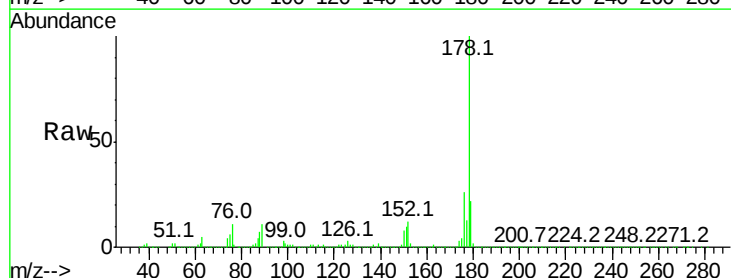
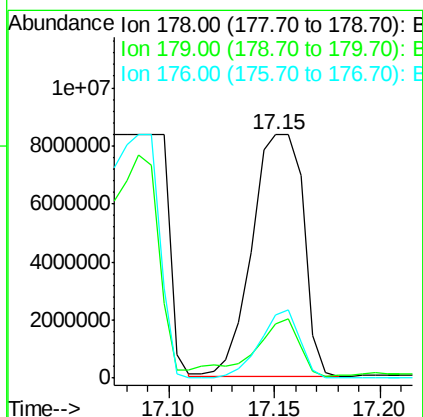
Tgt Ion:178 Resp:14076621

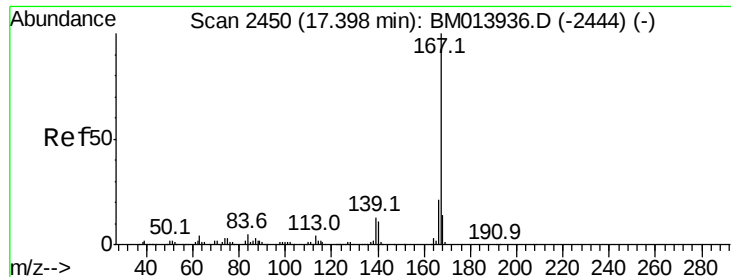
Ion Ratio Lower Upper

178 100

179 22.5 11.7 17.5#

176 25.7 14.6 21.8#





#72

Carbazole

Concen: 103.046 ng/ul

RT: 17.41 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

Instrument :

BNA_M

ClientSampleId :

F6B35

Tot Ion:167 Resp: 3814765

Ion Ratio Lower Upper

167 100

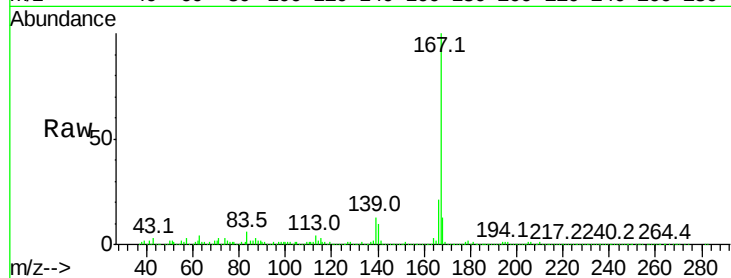
166 21.2 17.1 25.7

139 12.9 10.0 15.0

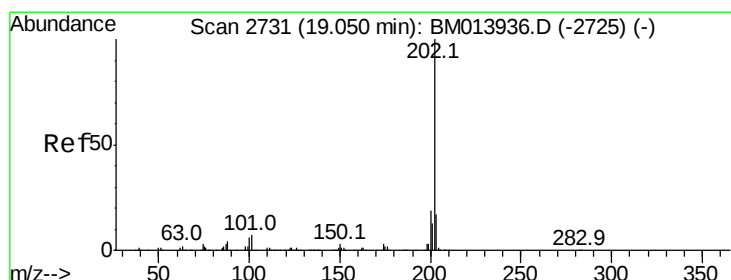
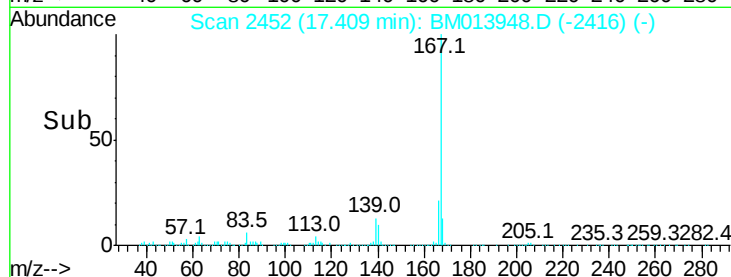
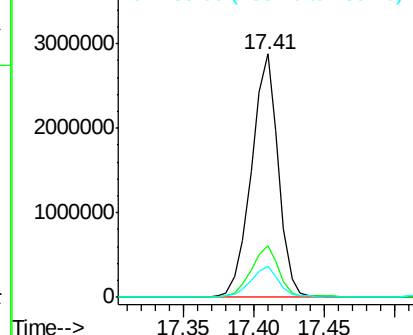
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 518.585 ng/ul m

RT: 19.07 min Scan# 2734

Delta R.T. 0.02 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

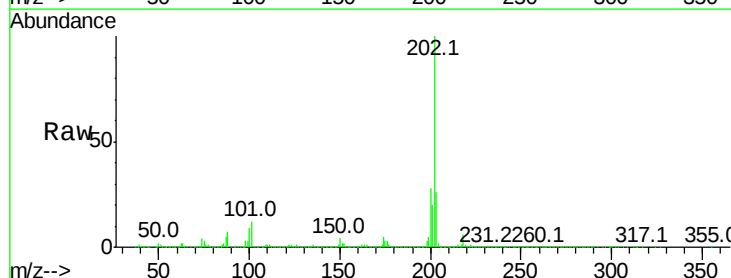
Tgt Ion:202 Resp:26915593

Ion Ratio Lower Upper

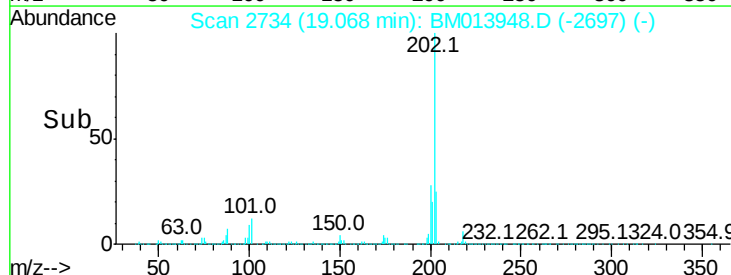
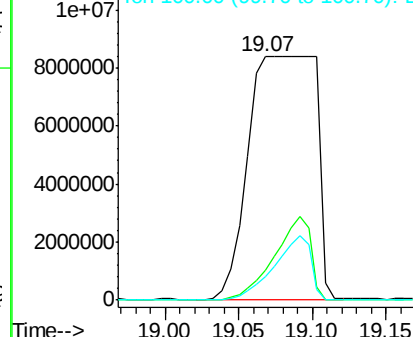
202 100

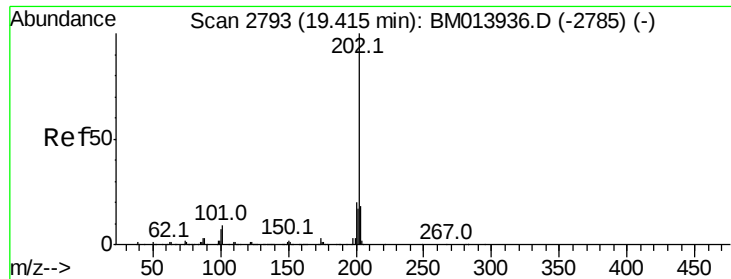
101 12.5 4.6 7.0#

100 9.5 3.4 5.2#



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





#77

Pvrene

Concen: 426.140 ng/ul m

RT: 19.43 min Scan# 2796

Delta R.T. 0.02 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

Instrument :

BNA_M

ClientSampleId :

F6B35

Tot Ion:202 Resp:22233799

Ion Ratio Lower Upper

202 100

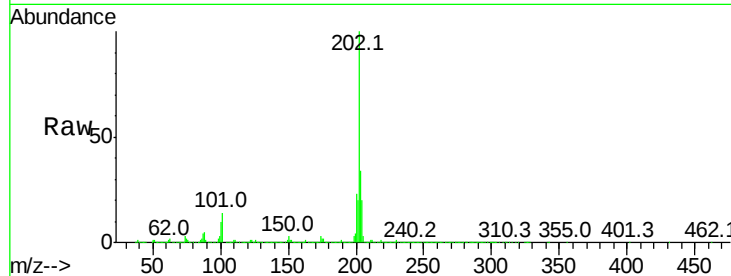
101 13.6 5.1 7.7#

100 9.8 4.9 7.3#

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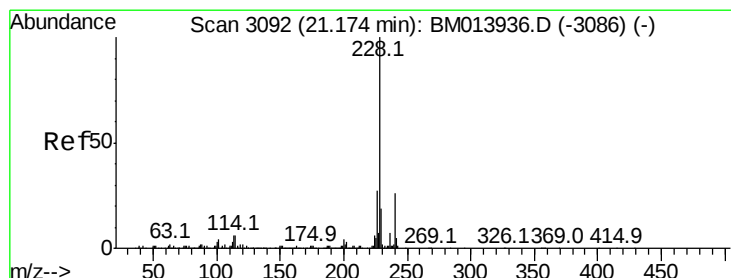
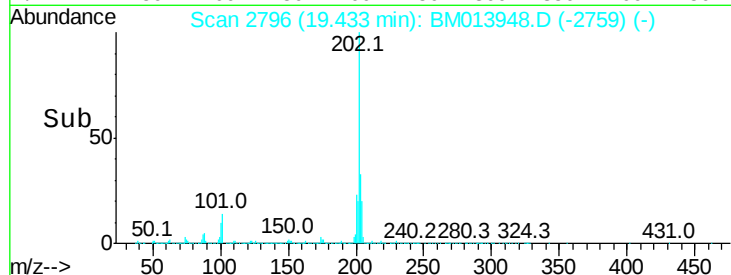
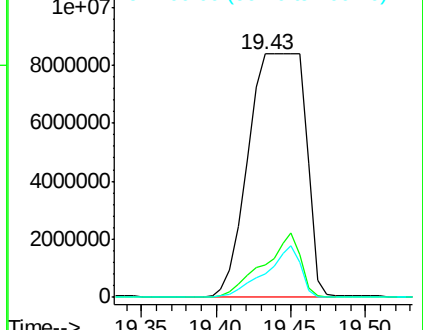
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 123.563 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.01 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

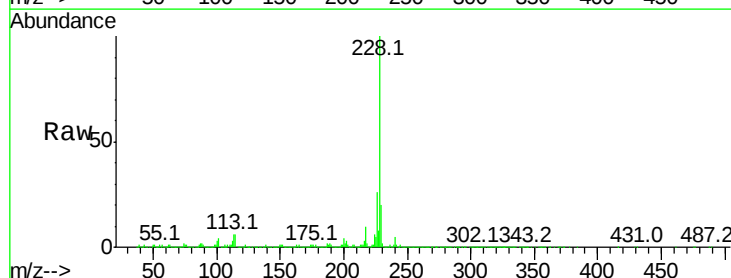
Tgt Ion:228 Resp: 6407868

Ion Ratio Lower Upper

228 100

229 20.0 15.4 23.0

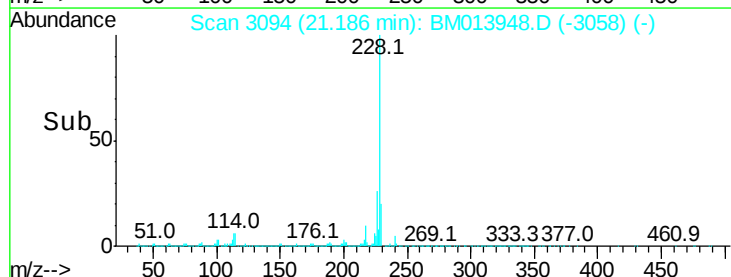
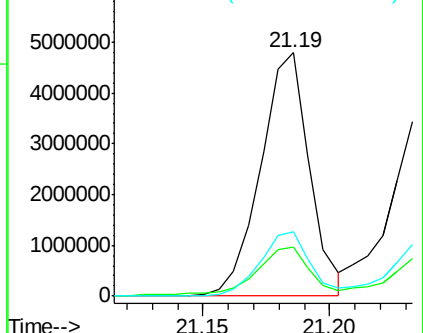
226 26.5 21.4 32.0

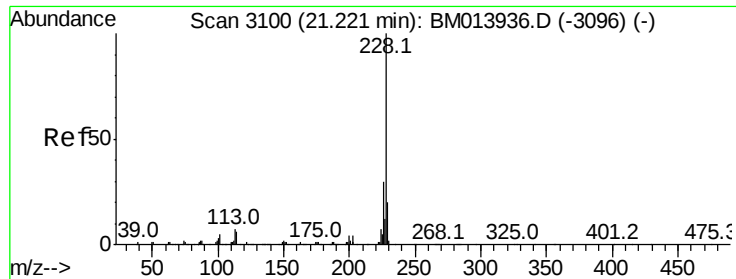


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 98.570 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

Instrument :

BNA_M

ClientSampled :

F6B35

Tot Ion:228 Resp: 4689400

Ion Ratio Lower Upper

228 100

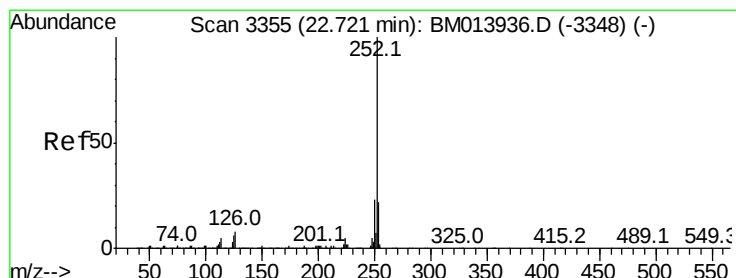
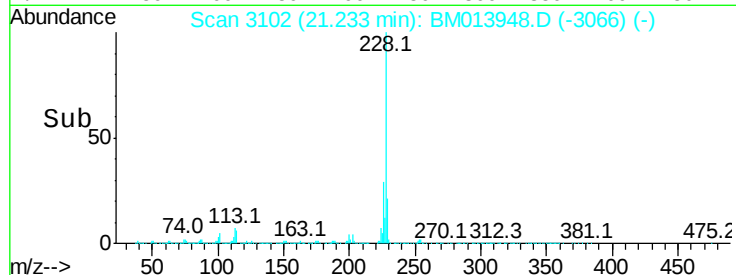
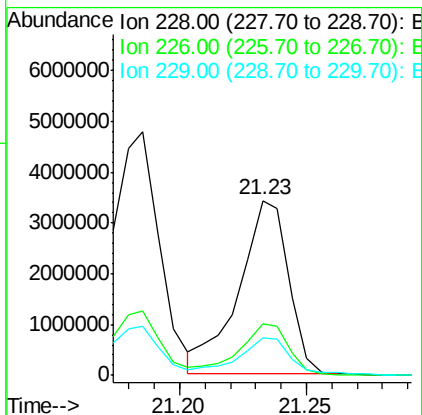
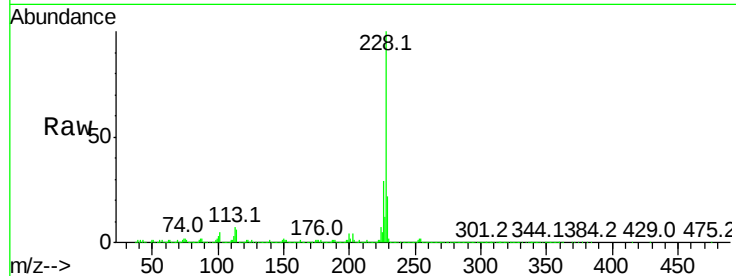
226 29.2 23.4 35.2

229 21.6 15.5 23.3

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#85

Benzo(b)fluoranthene

Concen: 57.068 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013948.D

Acq: 29 Jan 2018 06:35

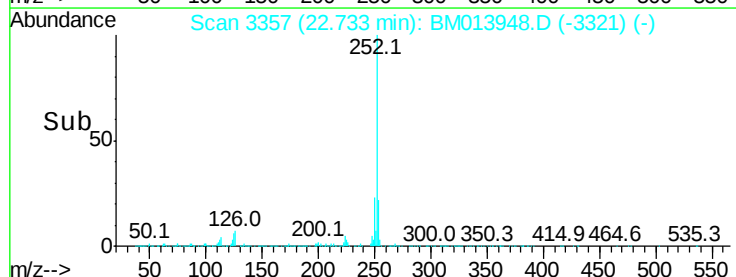
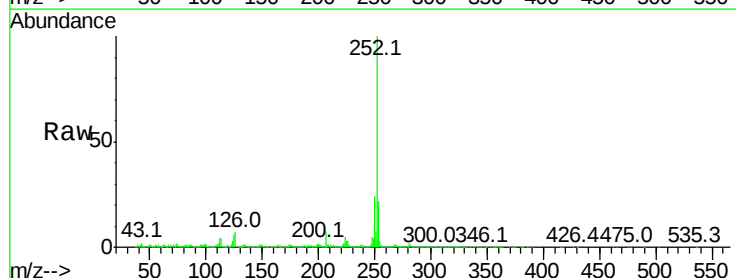
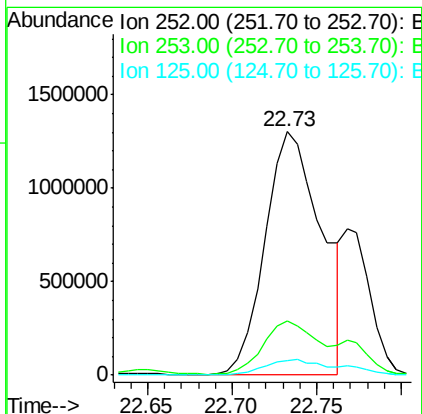
Tgt Ion:252 Resp: 3007102

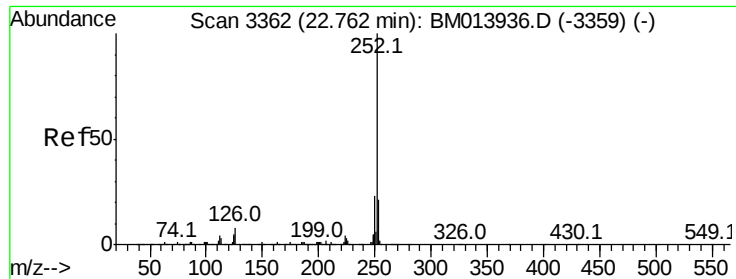
Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

125 6.0 3.6 5.4#





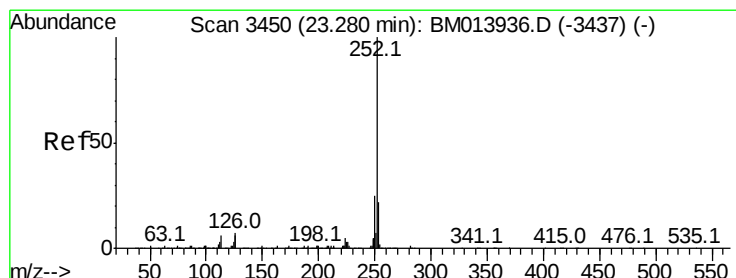
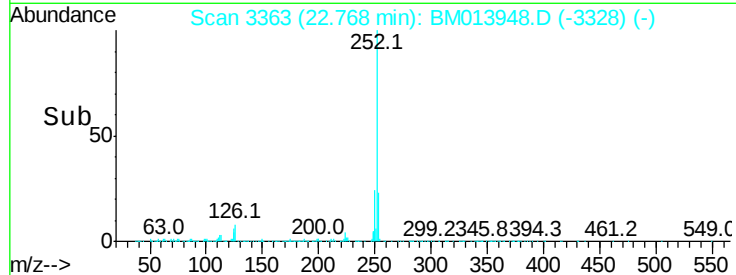
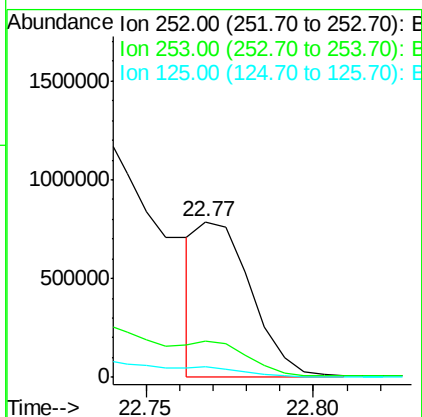
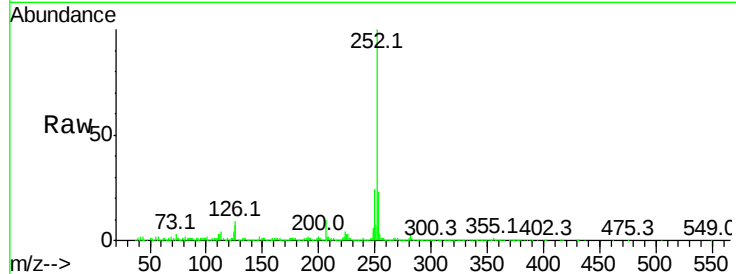
#86
Benzo(k)fluoranthene
Concen: 17.198 ng/ul m
RT: 22.77 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BM013948.D
Acq: 29 Jan 2018 06:35

Instrument :
BNA_M
ClientSampleId :
F6B35

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	6.5	3.4	5.2

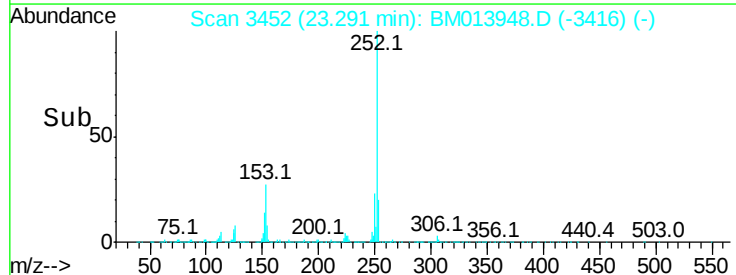
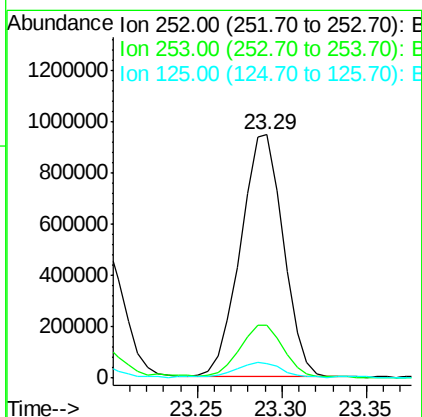
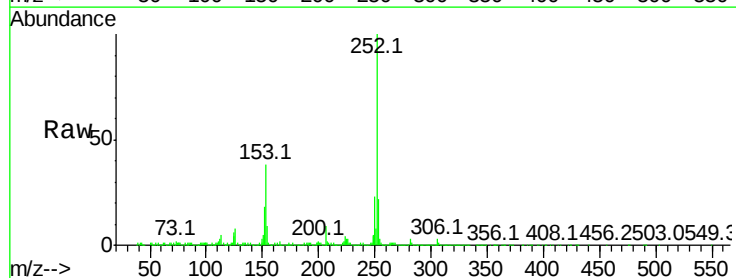
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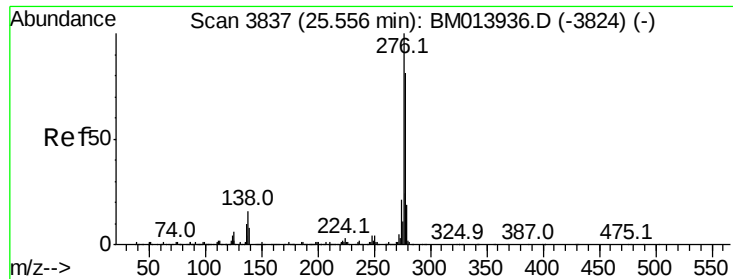
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#88
Benzo(a)pyrene
Concen: 33.671 ng/ul
RT: 23.29 min Scan# 3452
Delta R.T. 0.01 min
Lab File: BM013948.D
Acq: 29 Jan 2018 06:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	6.1	4.0	6.0





#89

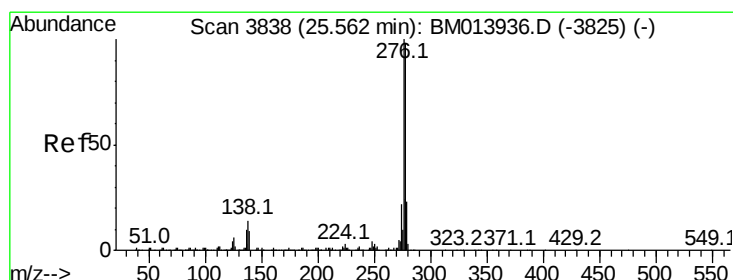
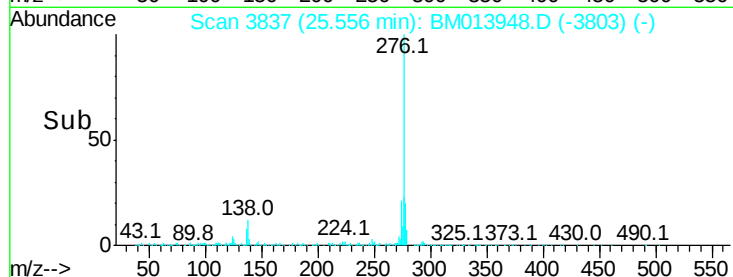
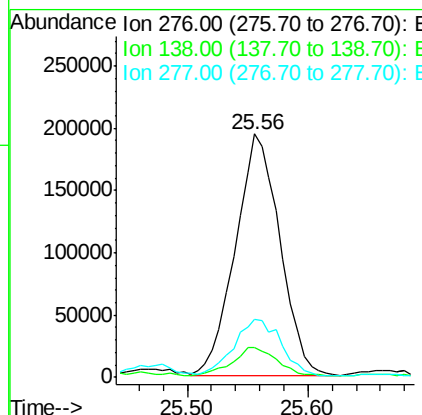
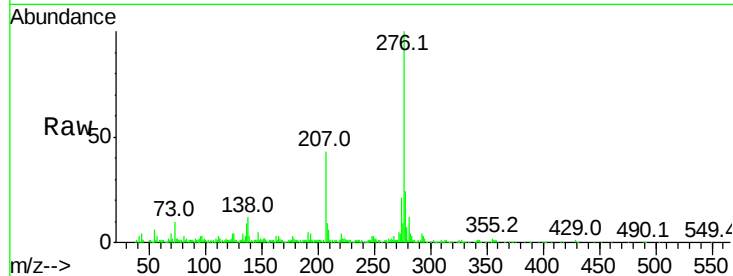
Indeno(1,2,3-cd)pyrene
Concen: 8.445 ng/ul
RT: 25.56 min Scan# 3837
Delta R.T. -0.00 min
Lab File: BM013948.D
Acq: 29 Jan 2018 06:35

Instrument :
BNA_M
ClientSampleId :
F6B35

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.4	9.3	13.9
277	23.7	19.9	29.9

Manual Integrations
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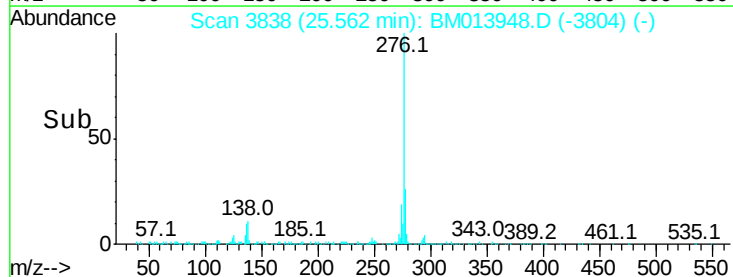
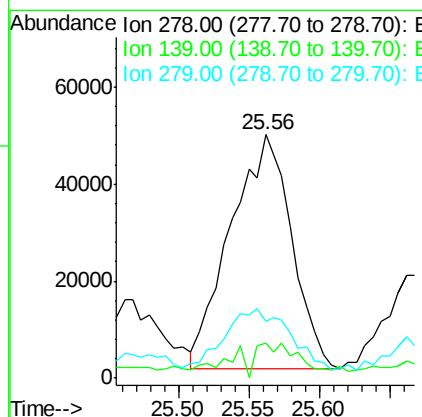
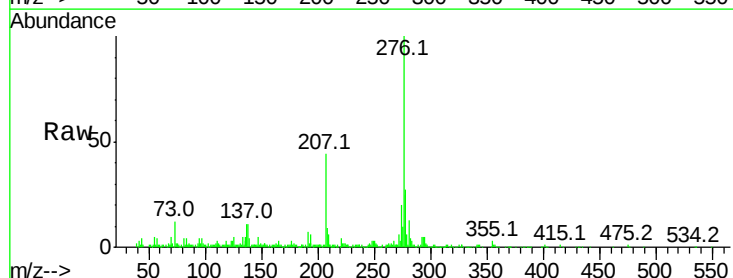
Sohil
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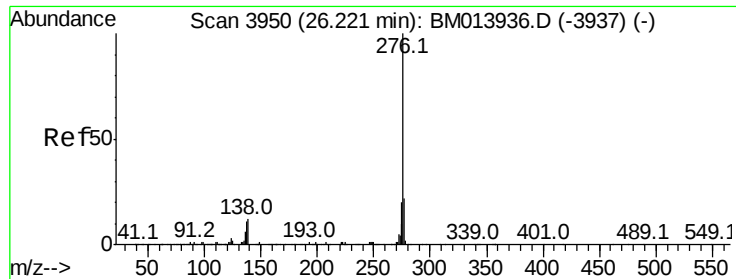


#90

Dibenzo(a,h)anthracene
Concen: 2.944 ng/ul
RT: 25.56 min Scan# 3838
Delta R.T. -0.00 min
Lab File: BM013948.D
Acq: 29 Jan 2018 06:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.3	5.8	8.8#
279	23.2	18.6	27.8





#91
 Benzo(a,h,i)perylene
 Concen: 6.264 ng/ul
 RT: 26.23 min Scan# 3951
 Delta R.T. 0.01 min
 Lab File: BM013948.D
 Acq: 29 Jan 2018 06:35

Instrument :
 BNA_M
 ClientSampleId :
 F6B35

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	13.0	8.5	12.7#
277	26.0	18.6	28.0

Manual Integrations
 APPROVED

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