

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
 Data File : BM014357.D
 Acq On : 26 Feb 2018 15:35
 Operator : SJ/JU
 Sample : J1646-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X4

Manual Integrations
 APPROVED

Sohil
 2/27/2018 4:57:48 PM

Quant Time: Feb 27 02:52:59 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 01:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	134346	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	595385	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	355800	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	774327	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	619244	20.00	ng/ul	0.00
83) Perylene-d12	23.31	264	506992	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	17378	5.54	ng/uL	0.00
5) Phenol-d5	6.72	99	367948	32.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	234832	34.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	311981	35.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	318510	32.06	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	164291	37.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	179483	39.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	310181	32.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	343631	36.98	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	1113325	37.89	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1393378	38.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	91613	22.58	ng/ul	0.00
57) Fluorene-d10	15.18	176	936246	35.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	130240	28.04	ng/ul	0.00
70) Anthracene-d10	17.04	188	1387667	37.14	ng/ul	0.00
76) Pyrene-d10	19.34	212	1435956	44.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	951849	38.58	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.74	94	39943	3.352	ng/ul	87
28) Naphthalene	10.34	128	75982	2.485	ng/ul	97
34) 2-Methylnaphthalene	11.97	142	40983	1.761	ng/ul	82
44) Dimethylphthalate	13.65	163	250133	8.633	ng/ul	98
47) Acenaphthylene	13.90	152	172705	5.043	ng/ul	95
49) Acenaphthene	14.24	153	124480	5.162	ng/ul	98
53) Dibenzofuran	14.59	168	228089	6.308	ng/ul	97
58) Fluorene	15.24	166	194892	6.244	ng/ul#	99
69) Phenanthrene	16.99	178	3940573	88.327	ng/ul	98
71) Anthracene	17.07	178	588876	13.125	ng/ul	97
72) Carbazole	17.36	167	170286	4.514	ng/ul	97
74) Fluoranthene	19.02	202	4035740	75.716	ng/ul#	92
77) Pyrene	19.38	202	3317865	80.622	ng/ul#	92
80) Benzo(a)anthracene	21.13	228	1149222	29.736	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	75956	3.117	ng/ul#	91
82) Chrysene	21.19	228	981136	27.214	ng/ul	97
85) Benzo(b)fluoranthene	22.67	252	1005399	29.616	ng/ul#	97
86) Benzo(k)fluoranthene	22.71	252	322837m	10.002	ng/ul	
88) Benzo(a)pyrene	23.23	252	709050	23.374	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.47	276	412064	13.998	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.46	278	108340m	4.429	ng/ul	
91) Benzo(g,h,i)perylene	26.13	276	283116	11.872	ng/ul#	96

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BE5X4

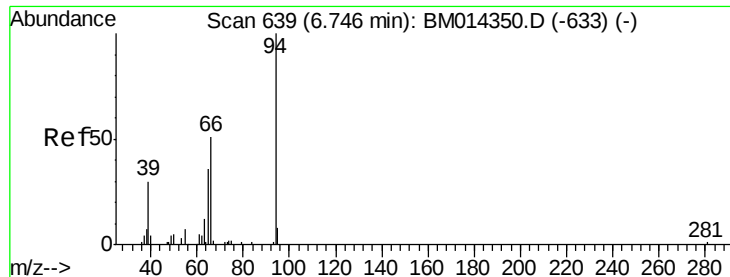
Manual Integrations
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2/27/2018 4:57:48 PM

Quant Time: Feb 27 02:52:59 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 27 01:33:52 2018
Response via : Initial Calibration

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



#6

Phenol

Concen: 3.352 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

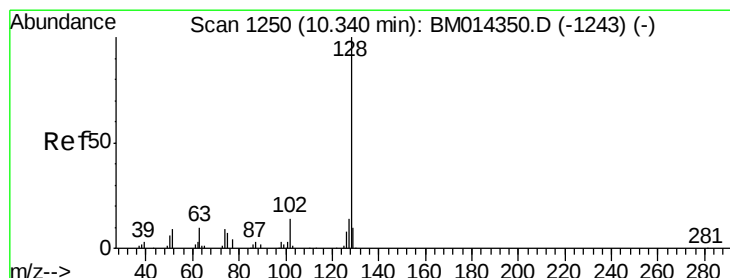
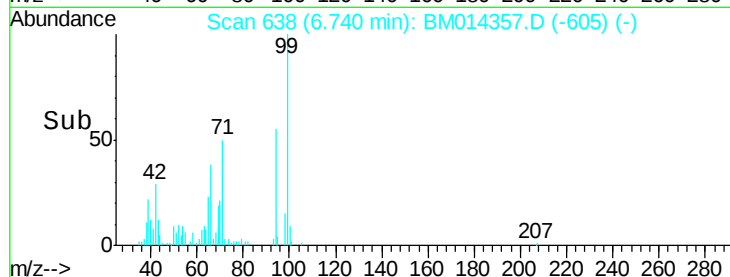
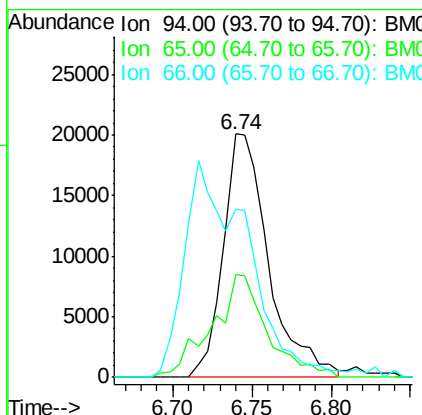
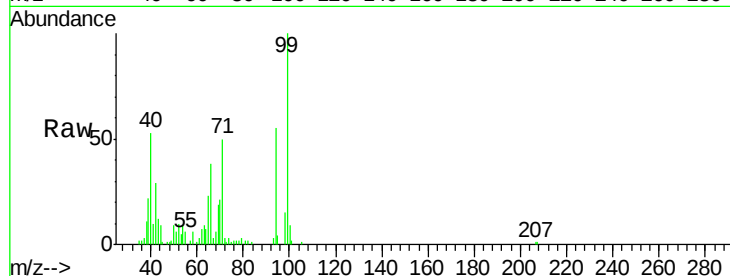
ClientSampled :

BE5X4

Tgt Ion:	94	Resp:	39943
Ion Ratio	Lower	Upper	
94	100		
65	42.0	28.2	42.4
66	69.0	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 2.485 ng/ul

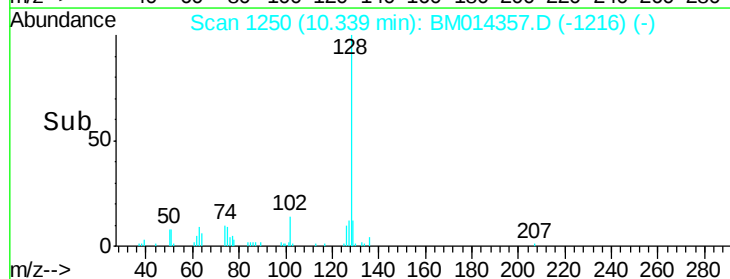
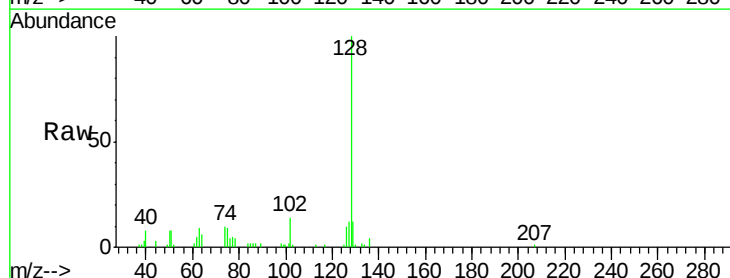
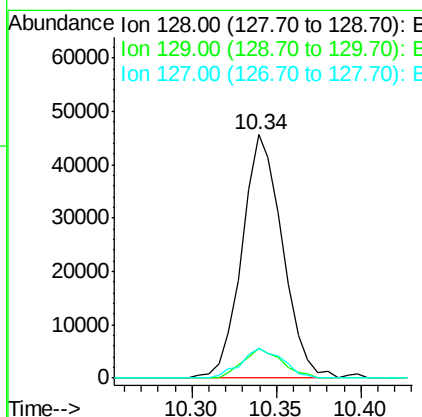
RT: 10.34 min Scan# 1250

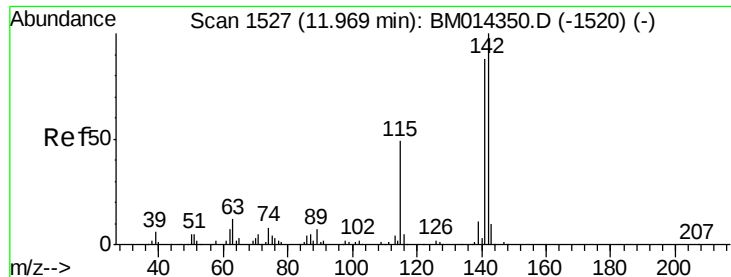
Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Tgt Ion:	128	Resp:	75982
Ion Ratio	Lower	Upper	
128	100		
129	12.4	8.8	13.2
127	12.3	10.6	16.0





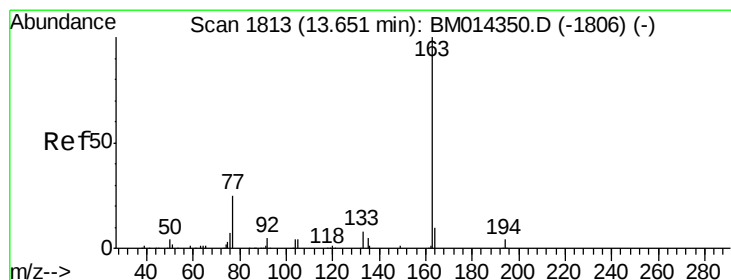
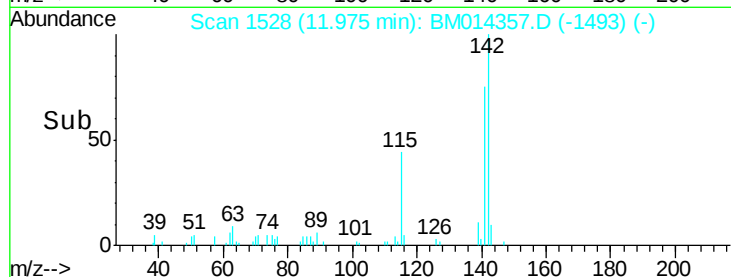
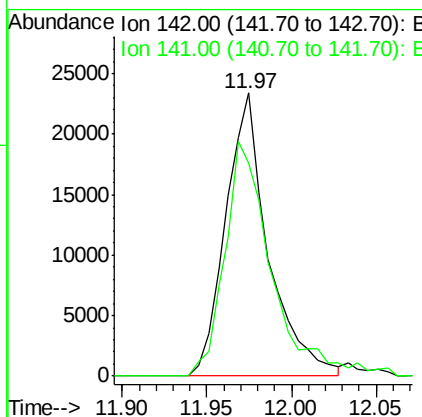
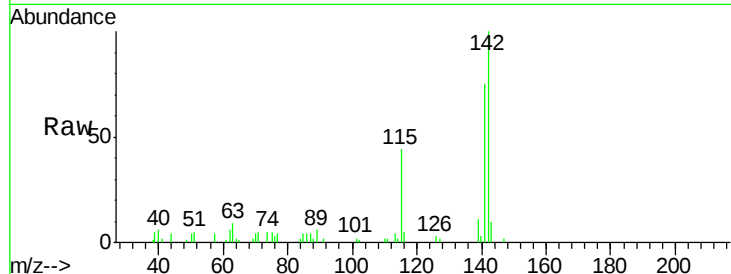
#34
2-Methylnaphthalene
Concen: 1.761 ng/ul
RT: 11.97 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

Instrument :
BNA_M
ClientSampled :
BE5X4

Tgt Ion:142 Resp: 40983
Ion Ratio Lower Upper
142 100
141 75.1 74.1 111.1

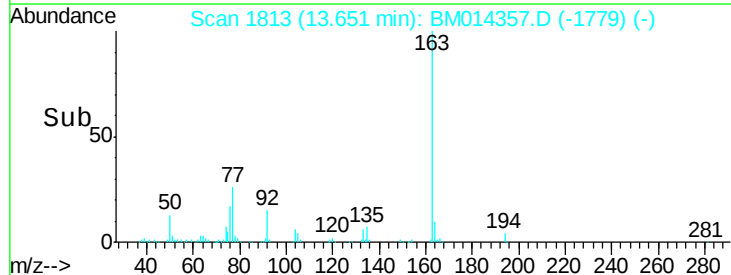
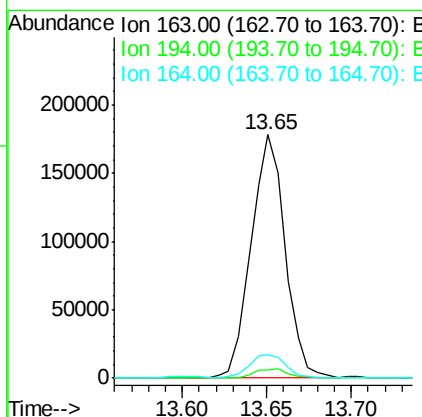
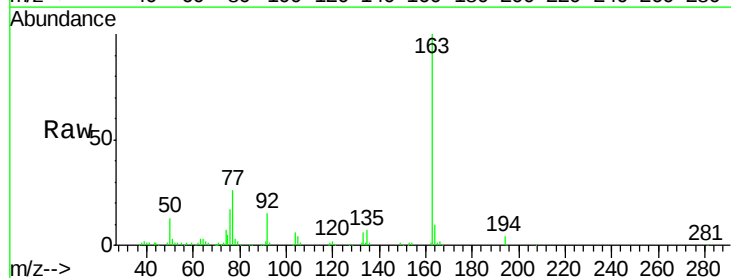
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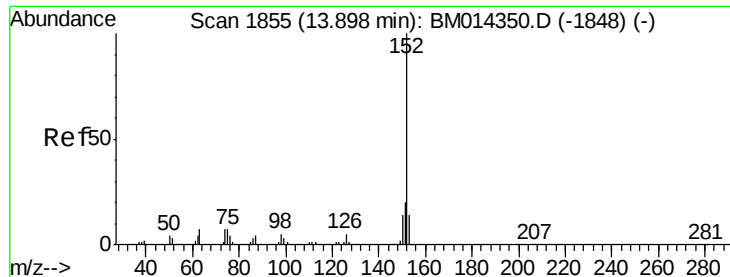
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#44
Dimethylphthalate
Concen: 8.633 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. -0.00 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

Tgt Ion:163 Resp: 250133
Ion Ratio Lower Upper
163 100
194 3.6 3.5 5.3
164 9.8 8.2 12.4





#47

Acenaphthylene

Concen: 5.043 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

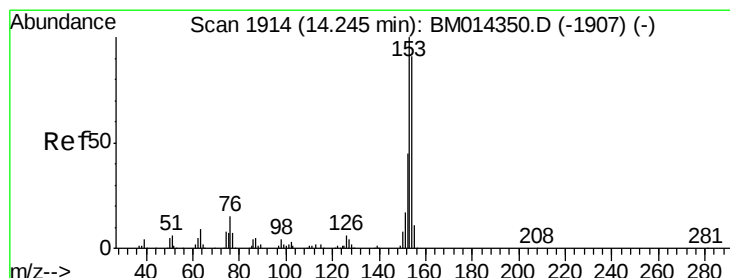
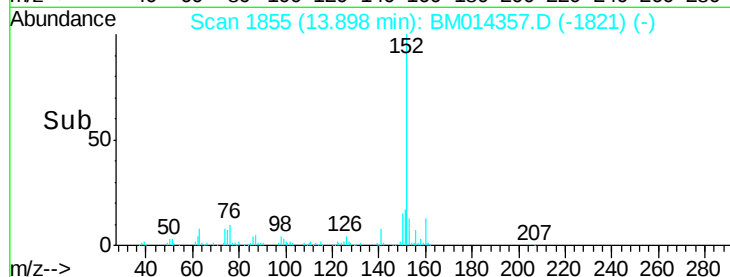
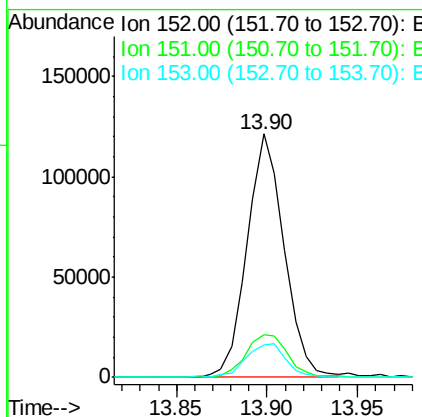
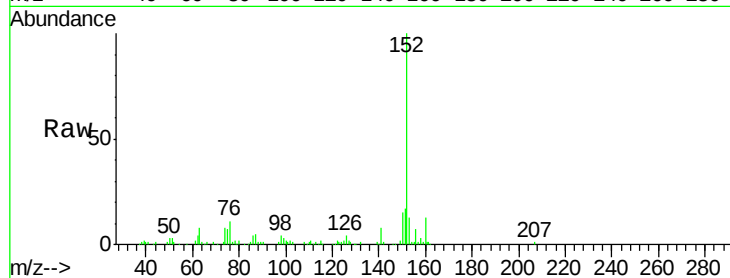
ClientSampleId :

BE5X4

Tgt Ion:	152	Resp:	172705
Ion Ratio	Lower	Upper	
152	100		
151	17.3	16.3	24.5
153	13.4	10.2	15.4

Manual Integrations
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#49

Acenaphthene

Concen: 5.162 ng/ul

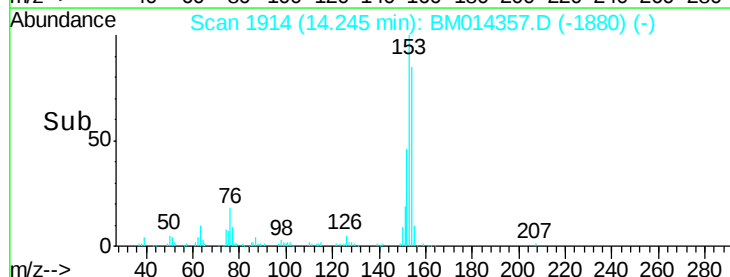
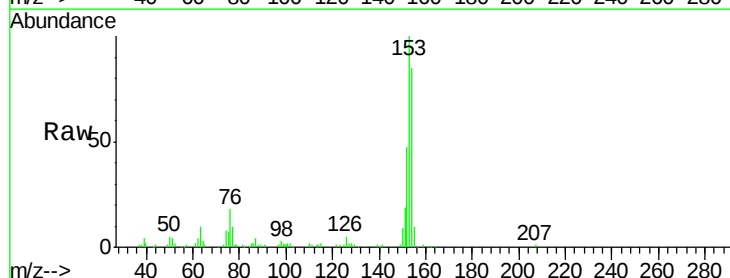
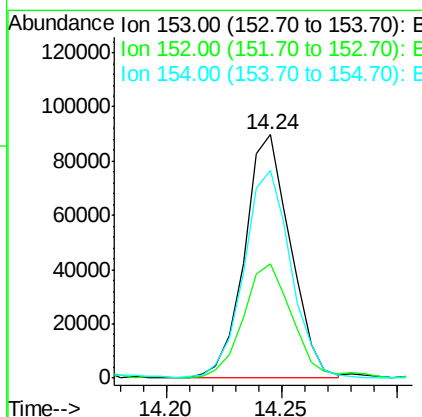
RT: 14.24 min Scan# 1914

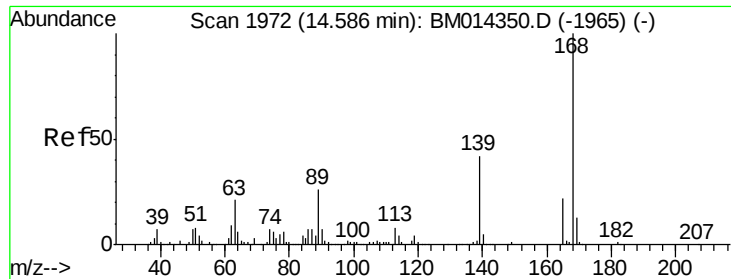
Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Tgt Ion:	153	Resp:	124480
Ion Ratio	Lower	Upper	
153	100		
152	46.9	37.6	56.4
154	85.4	70.4	105.6





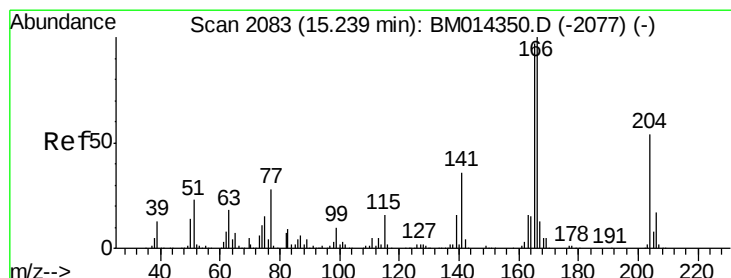
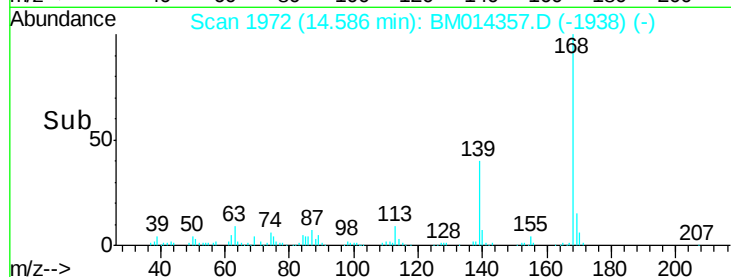
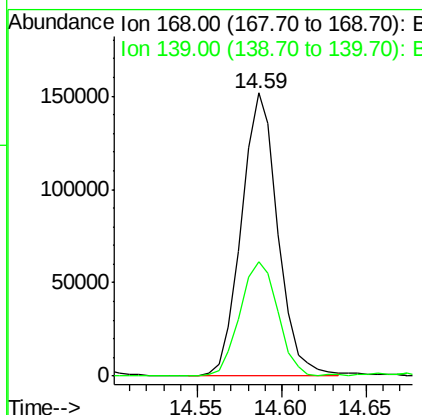
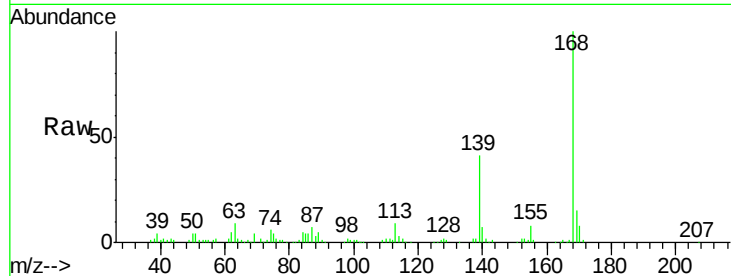
#53
Dibenzo(f,h)quinoxaline
Concen: 6.308 ng/ul
RT: 14.59 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

Instrument :
BNA_M
ClientSampleId :
BE5X4

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.6	30.8	46.2

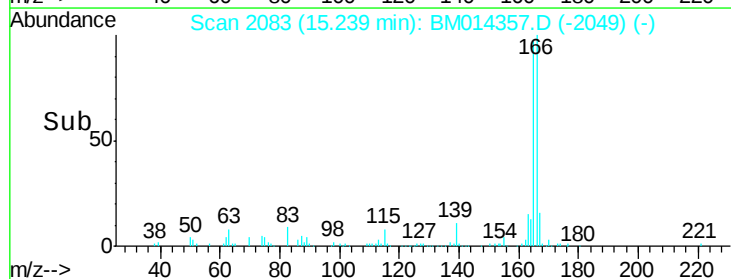
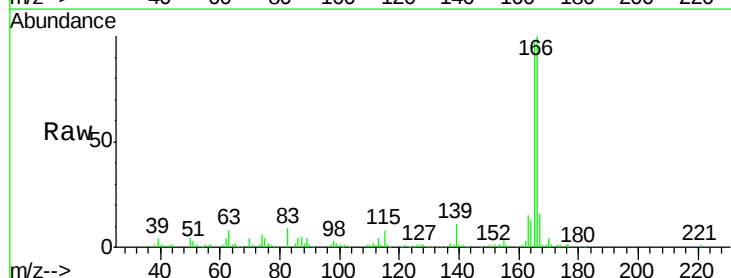
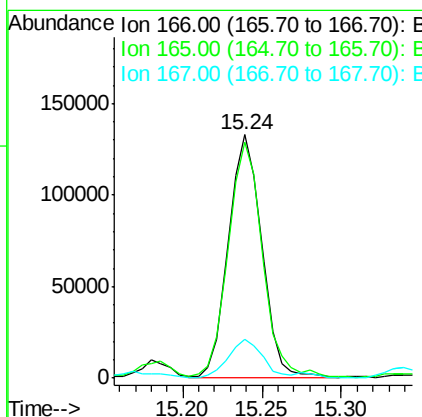
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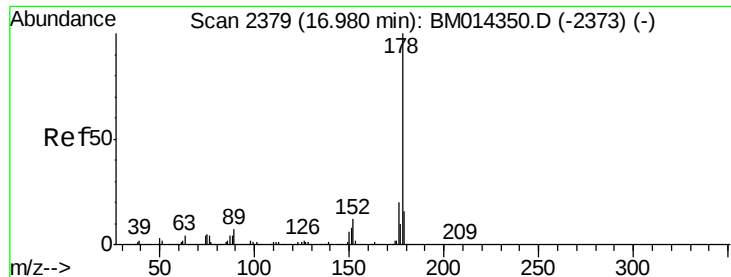
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#58
Fluorene
Concen: 6.244 ng/ul
RT: 15.24 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.9	116.9
167	16.1	10.6	16.0#





#69

Phenanthrene

Concen: 88.327 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

ClientSampleId :

BE5X4

Tgt Ion:178 Resp: 3940573

Ion Ratio Lower Upper

178 100

179 14.8 12.6 19.0

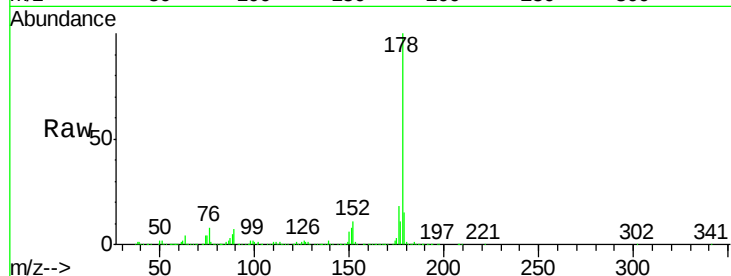
176 17.8 14.9 22.3

Manual Integrations

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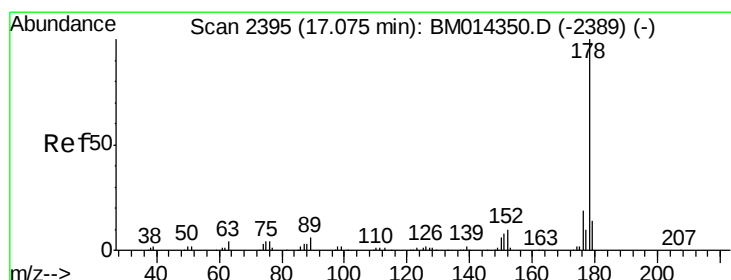
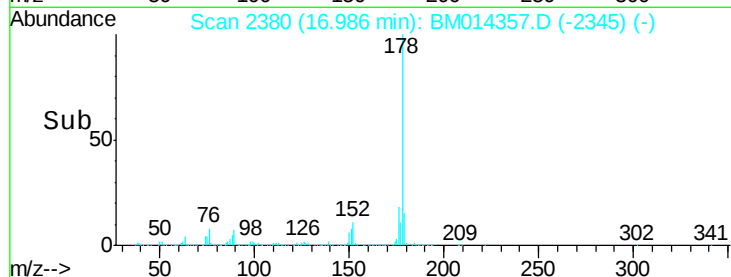
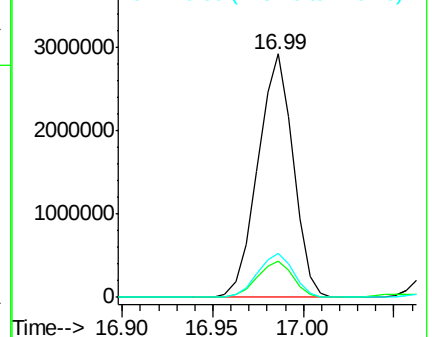
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 13.125 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

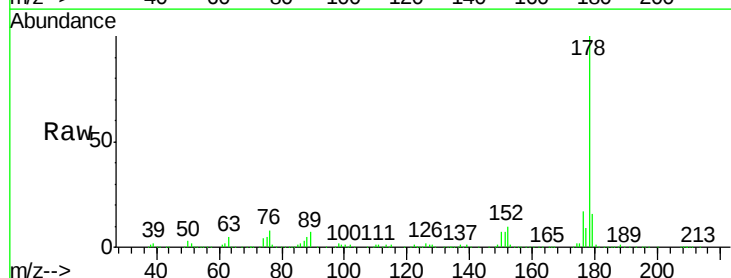
Tgt Ion:178 Resp: 588876

Ion Ratio Lower Upper

178 100

179 16.5 11.7 17.5

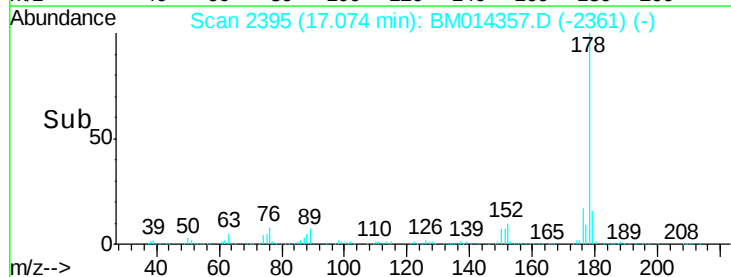
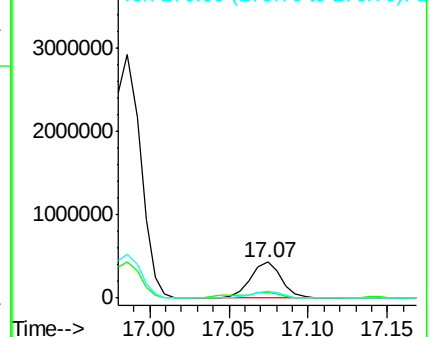
176 17.5 14.6 21.8

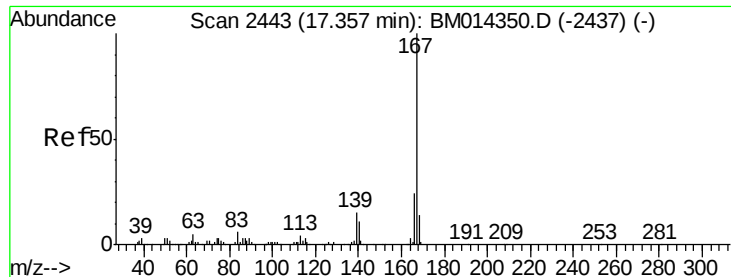


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 4.514 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

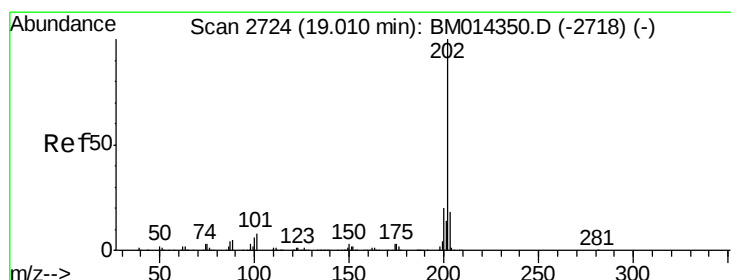
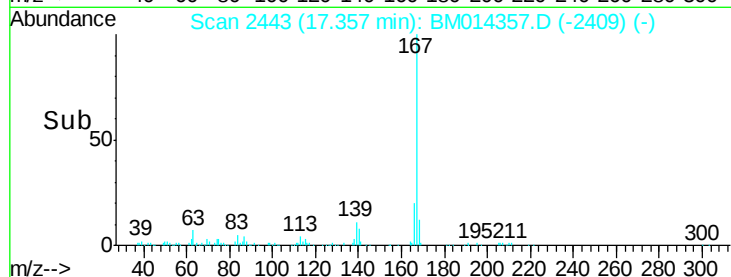
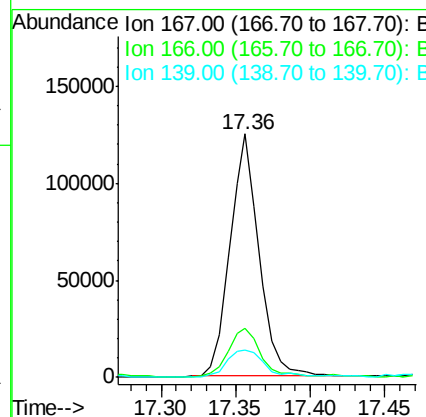
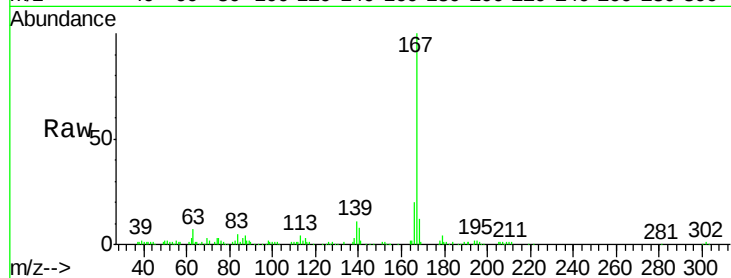
ClientSampleId :

BE5X4

Tgt Ion:	167	Resp:	170286
Ion Ratio		Lower	Upper
167	100		
166	20.1	17.1	25.7
139	11.2	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 75.716 ng/ul

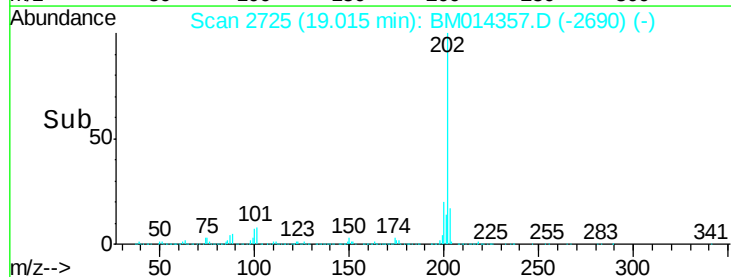
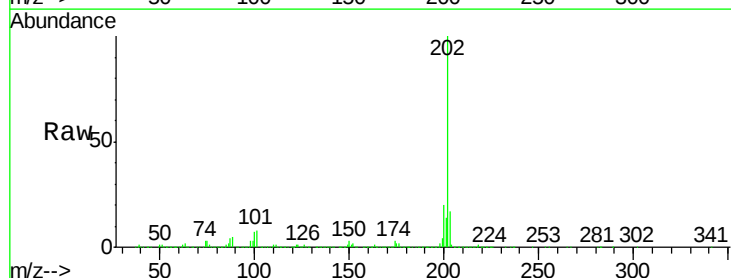
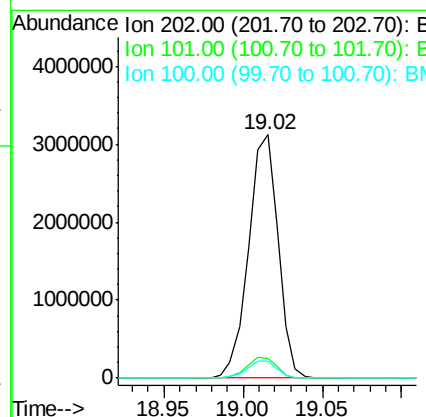
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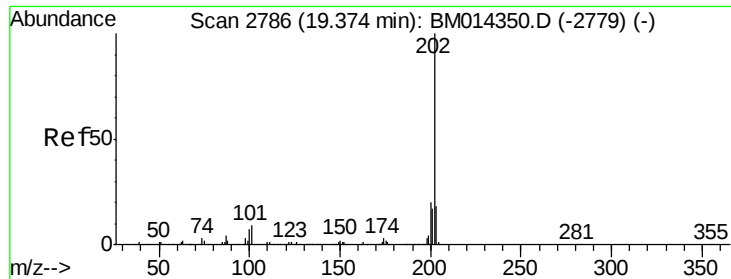
Delta R.T. 0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Tgt Ion:	202	Resp:	4035740
Ion Ratio		Lower	Upper
202	100		
101	8.2	4.6	7.0#
100	7.1	3.4	5.2#





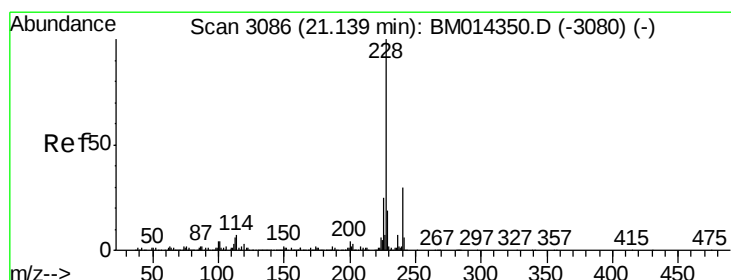
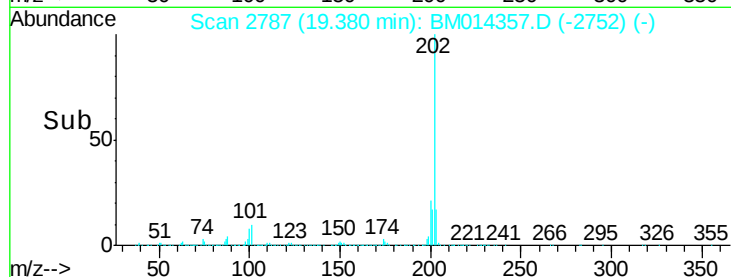
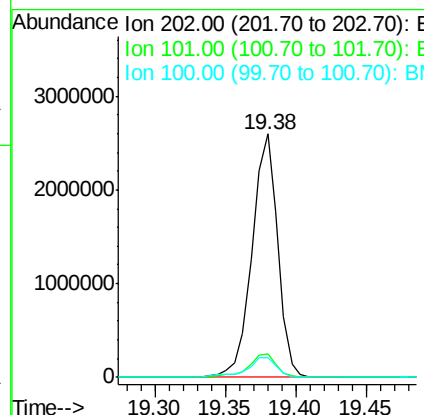
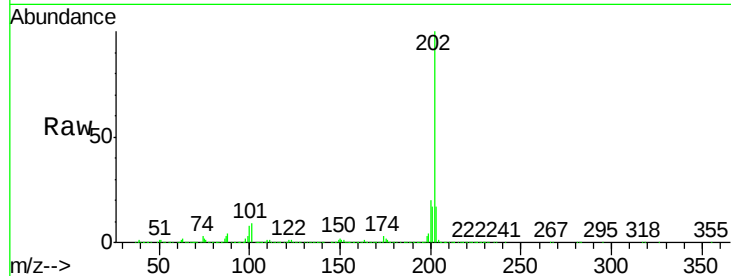
#77
 Pyrene
 Concen: 80.622 ng/ul
 RT: 19.38 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: BM014357.D
 Acq: 26 Feb 2018 15:35

Instrument :
 BNA_M
 ClientSampleId :
 BE5X4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3317865		
101	9.5	5.1	7.7#	
100	8.1	4.9	7.3#	

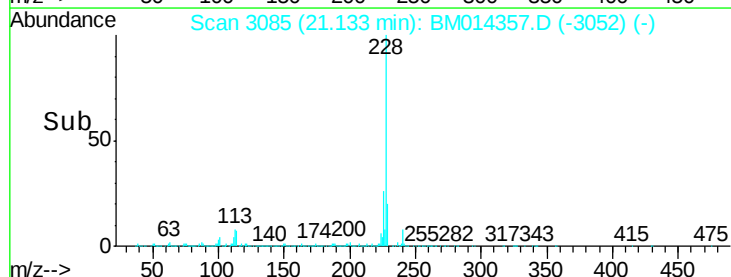
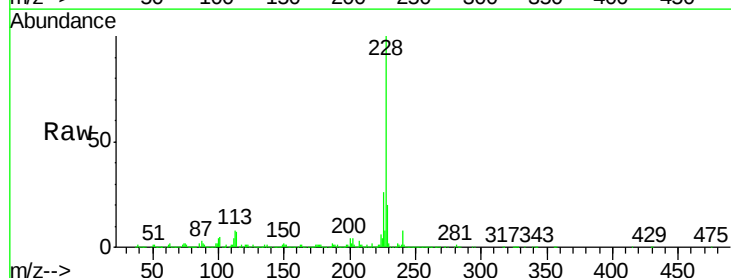
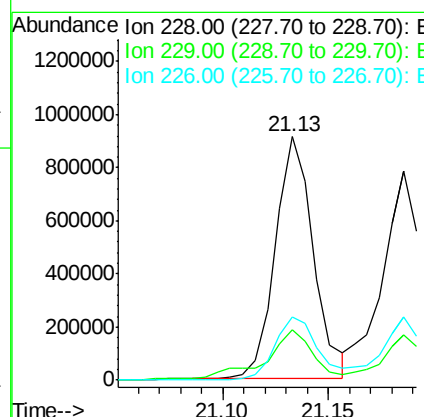
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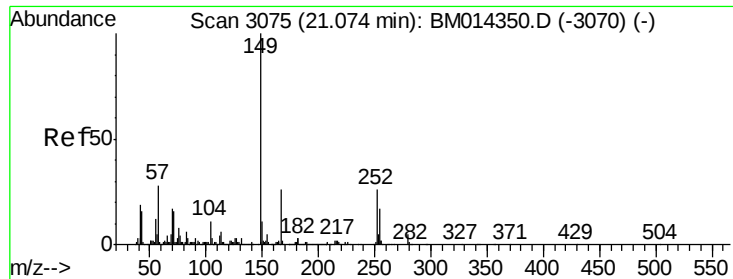
Sohil
 2/27/2018 4:57:48 PM



#80
 Benzo(a)anthracene
 Concen: 29.736 ng/ul
 RT: 21.13 min Scan# 3085
 Delta R.T. -0.01 min
 Lab File: BM014357.D
 Acq: 26 Feb 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1149222		
229	20.5	15.4	23.0	
226	26.1	21.4	32.0	





#81

Bis(2-ethylhexyl)phthalate

Concen: 3.117 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

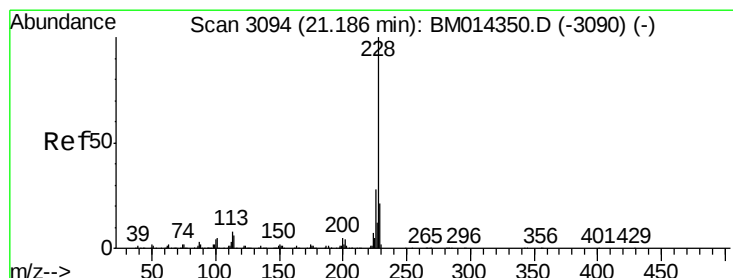
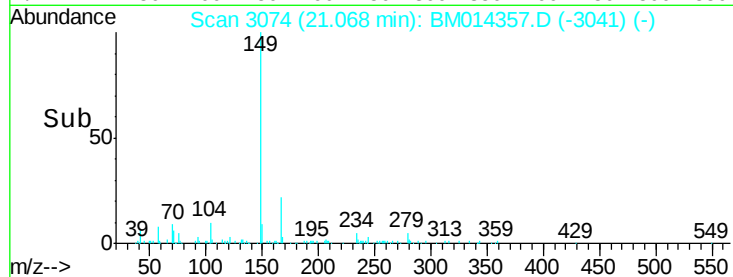
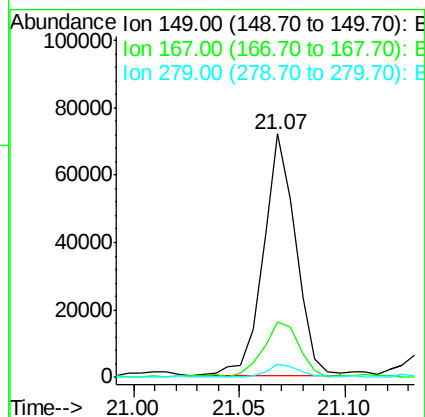
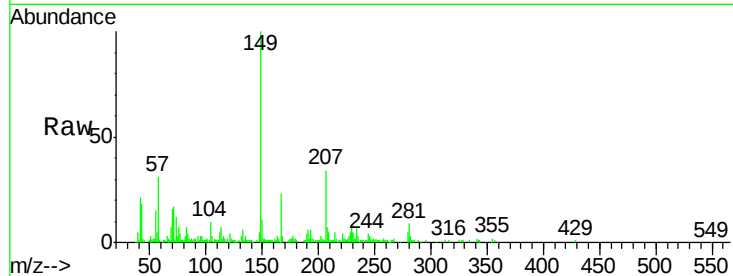
ClientSampled :

BE5X4

Tgt Ion:	149	Resp:	75956
Ion Ratio	Lower	Upper	
149	100		
167	22.7	22.8	34.2#
279	5.3	4.9	7.3

Manual Integrations
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#82

Chrysene

Concen: 27.214 ng/ul

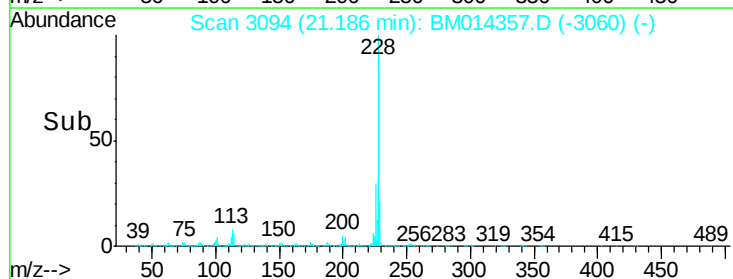
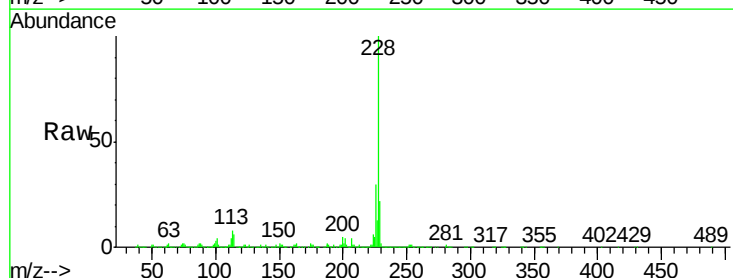
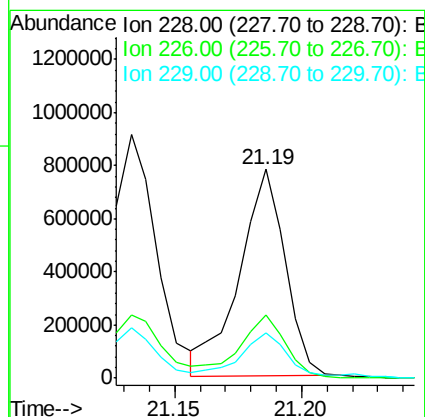
RT: 21.19 min Scan# 3094

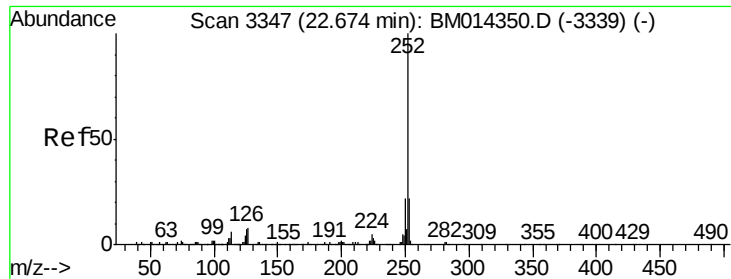
Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Tgt Ion:	228	Resp:	981136
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.4	35.2
229	21.6	15.5	23.3





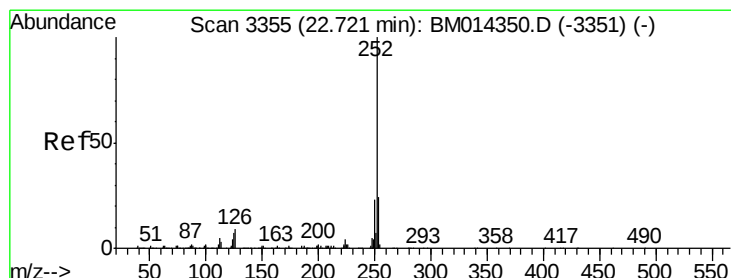
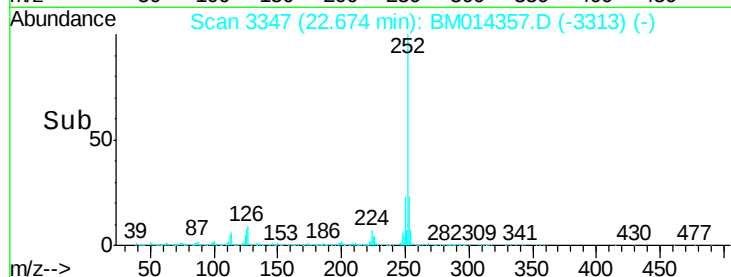
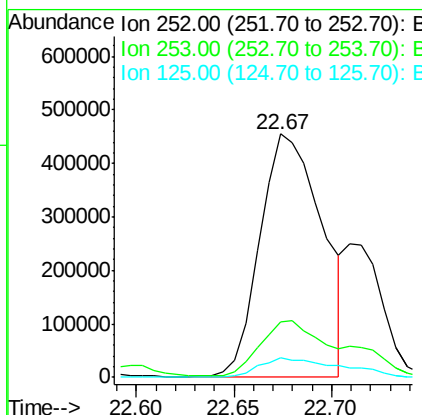
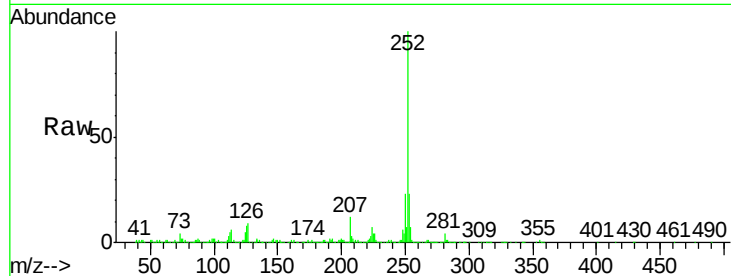
#85
Benzo(b)fluoranthene
Concen: 29.616 ng/ul
RT: 22.67 min Scan# 3347
Delta R.T. -0.00 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

Instrument :
BNA_M
ClientSampled :
BE5X4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	7.8	3.6	5.4#

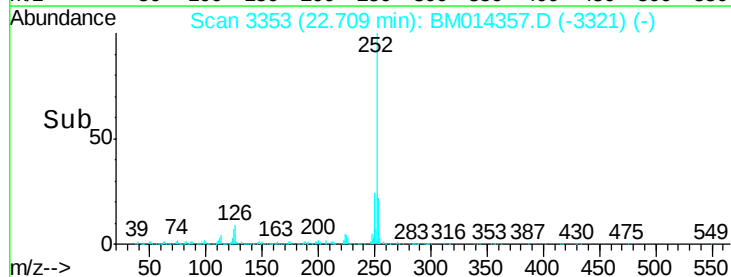
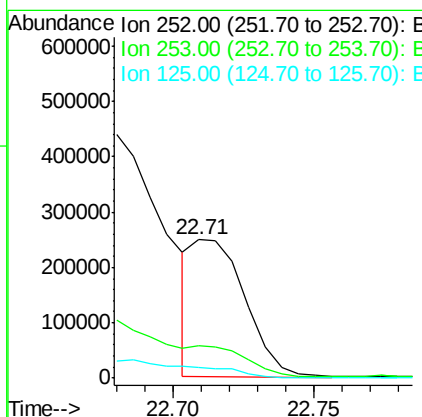
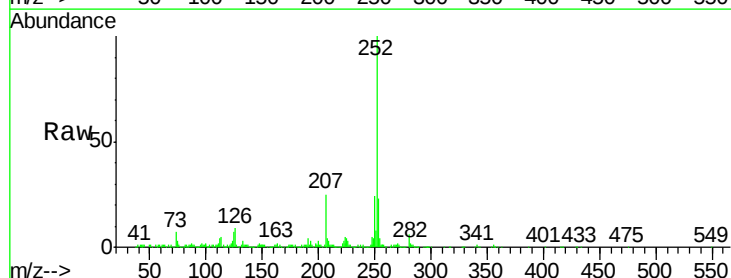
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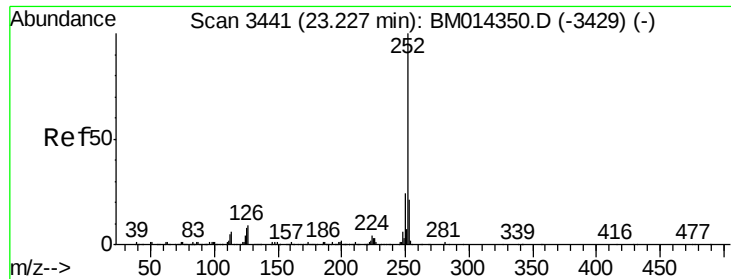
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#86
Benzo(k)fluoranthene
Concen: 10.002 ng/ul m
RT: 22.71 min Scan# 3353
Delta R.T. -0.01 min
Lab File: BM014357.D
Acq: 26 Feb 2018 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	7.3	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 23.374 ng/u1

RT: 23.23 min Scan# 3441

Delta R.T. -0.00 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

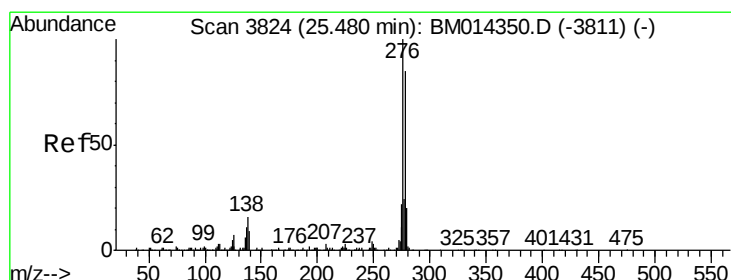
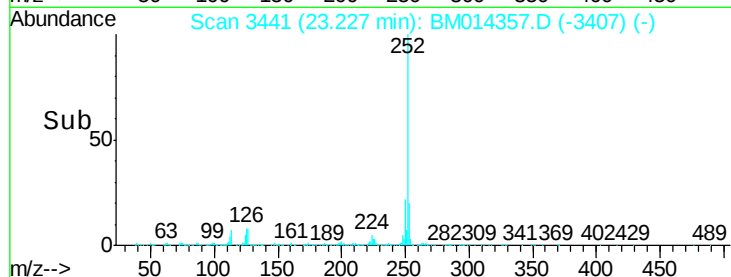
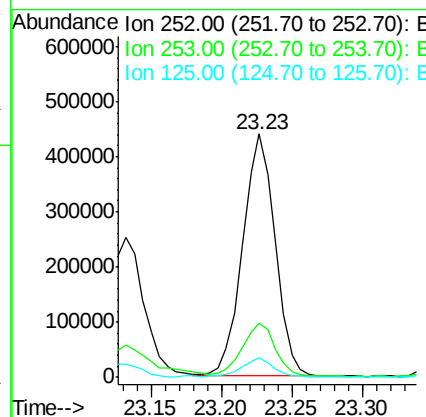
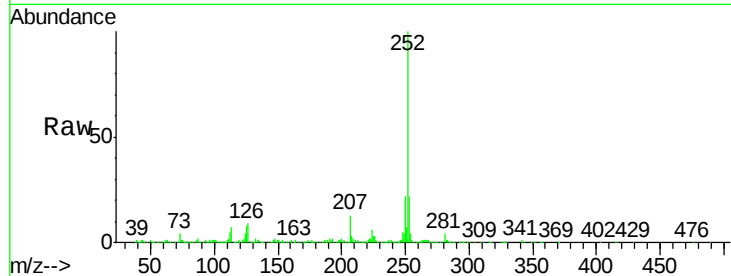
ClientSampled :

BE5X4

Tgt Ion:	252	Resp:	709050
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.2
125	8.2	4.0	6.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 13.998 ng/u1

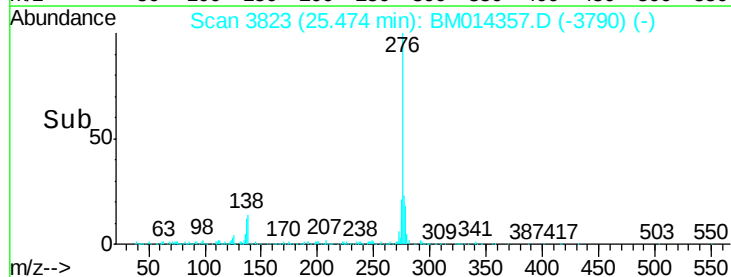
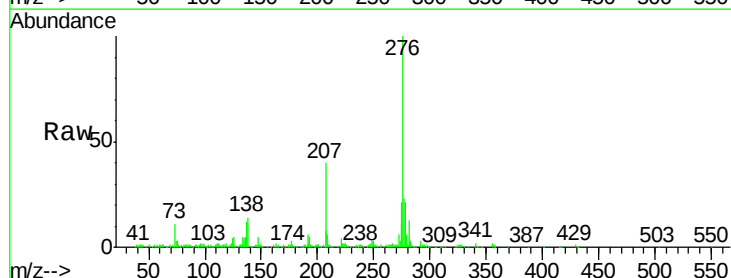
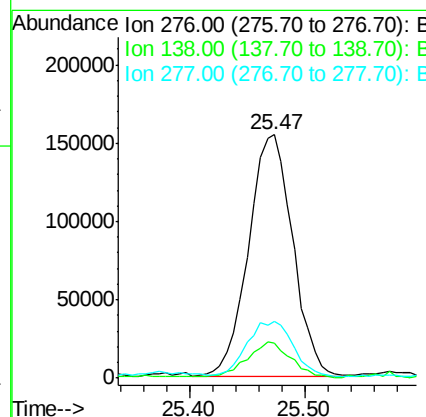
RT: 25.47 min Scan# 3823

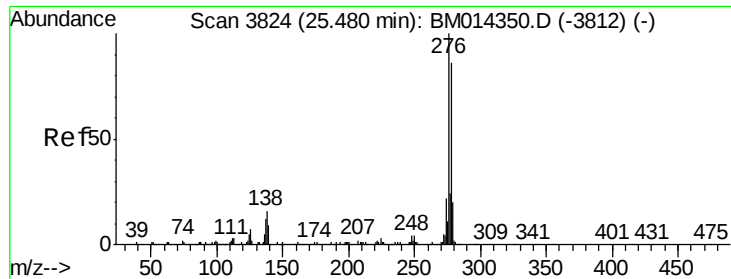
Delta R.T. -0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Tgt Ion:	276	Resp:	412064
Ion Ratio	Lower	Upper	
276	100		
138	14.2	9.3	13.9#
277	23.4	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 4.429 ng/ul m

RT: 25.46 min Scan# 3821

Delta R.T. -0.02 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Instrument :

BNA_M

ClientSampleId :

BE5X4

Tgt Ion: 278 Resp: 108340
Ion Ratio Lower Upper

278 100

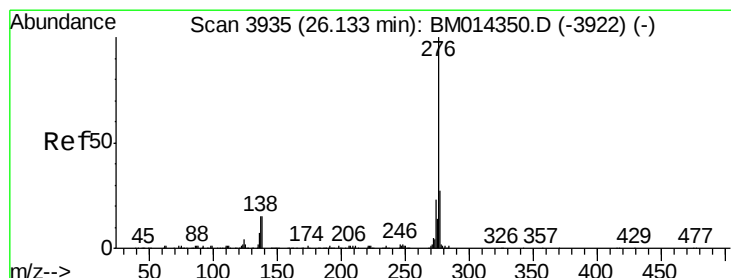
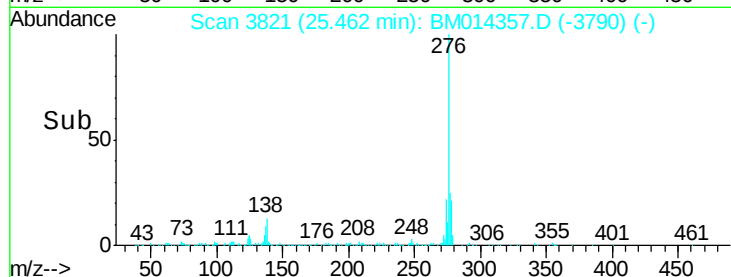
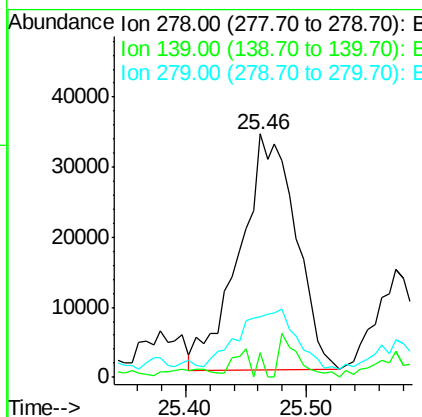
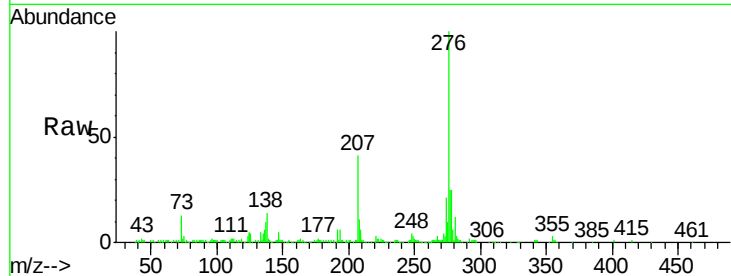
139 9.9 5.8 8.8#

279 24.8 18.6 27.8

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 11.872 ng/ul

RT: 26.13 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BM014357.D

Acq: 26 Feb 2018 15:35

Tgt Ion: 276 Resp: 283116
Ion Ratio Lower Upper

276 100

138 14.2 8.5 12.7#

277 22.8 18.6 28.0

