

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014435.D
 Acq On : 01 Mar 2018 11:44
 Operator : SJ/JU
 Sample : J1678-10 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5W0

Manual Integrations
 APPROVED

Sohil
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Quant Time: Mar 01 13:49:05 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	115441	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	538389	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	329494	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	738650	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	701164	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	536442	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	1731	0.64	ng/uL	0.00
5) Phenol-d5	6.73	99	28576m	2.93	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	20389m	3.45	ng/ul	0.01
9) 2-Chlorophenol-d4	7.06	132	24078	3.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	27455m	3.22	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	14733m	3.70	ng/ul	0.02
22) 2-Nitrophenol-d4	9.40	143	12487	3.03	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.95	165	29904m	3.51	ng/ul	0.02
29) 4-Chloroaniline-d4	10.47	131	8190	0.97	ng/ul	0.03
43) Dimethylphthalate-d6	13.60	166	96527	3.55	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	121631	3.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	10370m	2.76	ng/ul	0.06
57) Fluorene-d10	15.17	176	87891	3.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	370	0.08	ng/ul	0.02
70) Anthracene-d10	17.03	188	135356	3.80	ng/ul	0.00
76) Pyrene-d10	19.35	212	155083	4.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	94814	3.63	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.33	128	134150	4.851	ng/ul	96
34) 2-Methylnaphthalene	11.96	142	51288	2.437	ng/ul	95
47) Acenaphthylene	13.89	152	77596	2.447	ng/ul#	95
49) Acenaphthene	14.24	153	133028	5.957	ng/ul	96
53) Dibenzofuran	14.58	168	133864	3.998	ng/ul	94
58) Fluorene	15.23	166	183842	6.360	ng/ul	97
69) Phenanthrene	16.98	178	3280887	77.092	ng/ul	99
71) Anthracene	17.07	178	655437	15.314	ng/ul	100
72) Carbazole	17.35	167	272965	7.585	ng/ul#	96
74) Fluoranthene	19.02	202	4268501	83.950	ng/ul#	92
77) Pyrene	19.38	202	3998460	85.809	ng/ul#	91
80) Benzo(a)anthracene	21.14	228	1782222	40.728	ng/ul	99
82) Chrysene	21.19	228	1545388	37.857	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	1534958	42.734	ng/ul#	98
86) Benzo(k)fluoranthene	22.72	252	402109m	11.775	ng/ul	
88) Benzo(a)pyrene	23.24	252	1038031	32.340	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.50	276	565975	18.171	ng/ul	99
90) Dibenzo(a,h)anthracene	25.50	278	168562	6.513	ng/ul#	86
91) Benzo(g,h,i)perylene	26.16	276	429631	17.027	ng/ul#	96

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

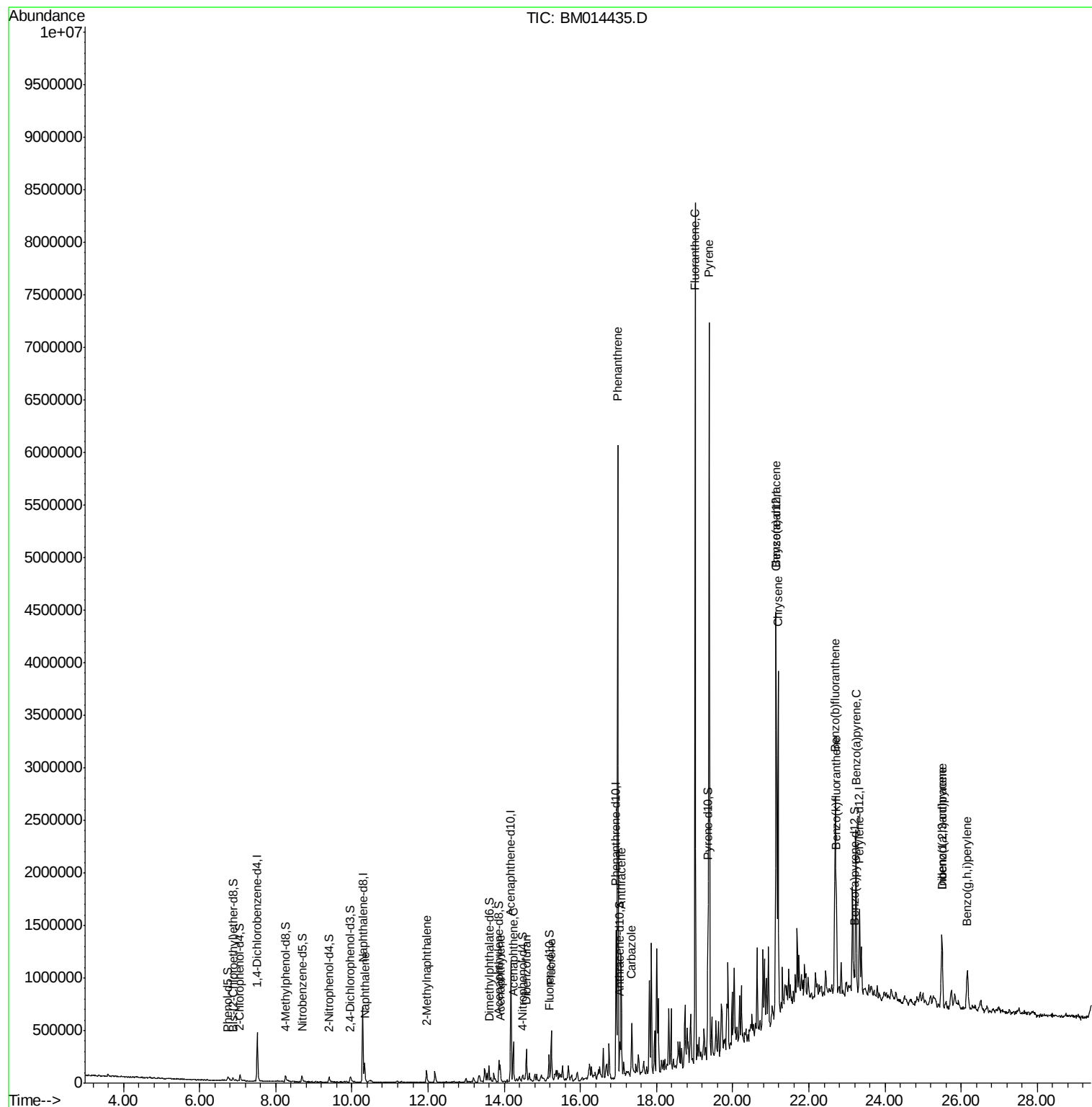
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014435.D
Acq On : 01 Mar 2018 11:44
Operator : SJ/JU
Sample : J1678-10 10X
Misc :
ALS Vial : 39 Sample Multiplier: 1

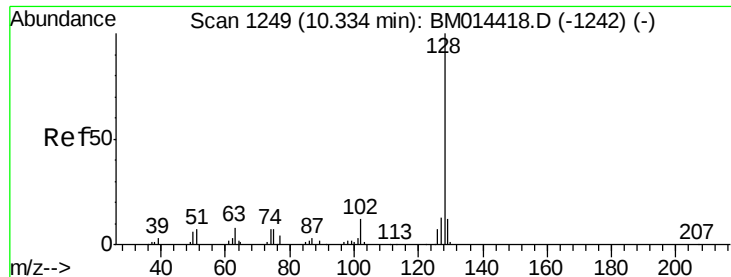
Instrument :
BNA_M
ClientSampleId :
BE5W0

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Quant Time: Mar 01 13:49:05 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
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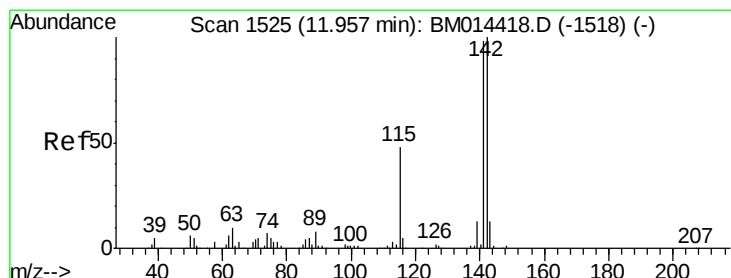
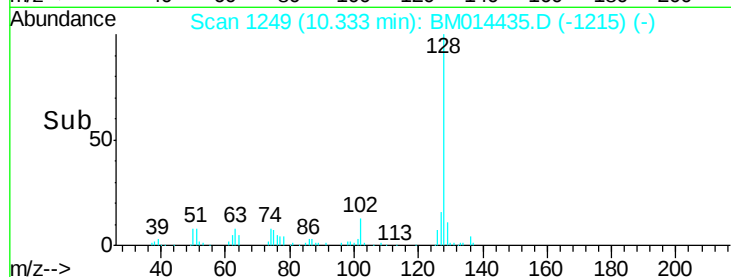
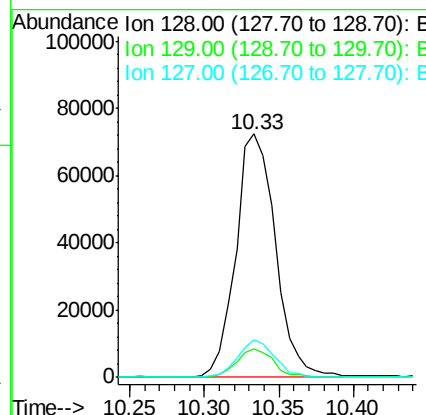
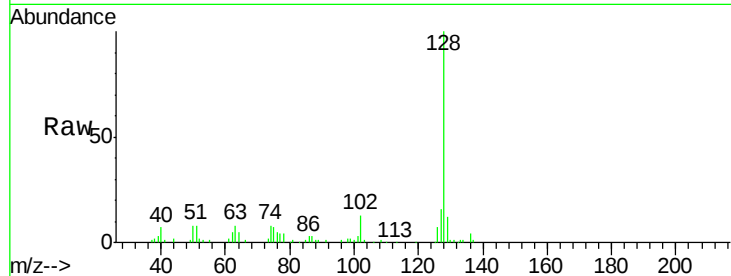
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Naphthalene
Concen: 4.851 ng/ul
RT: 10.33 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Instrument :
BNA_M
ClientSampled :
BE5W0

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	15.5	10.6	16.0

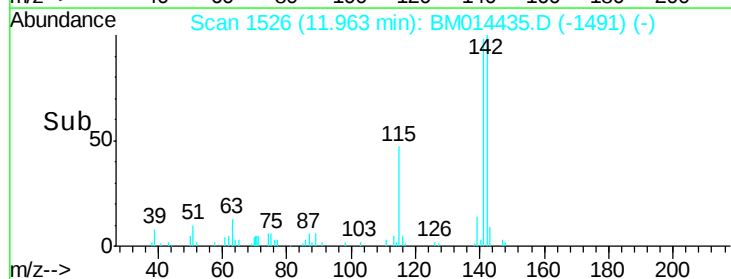
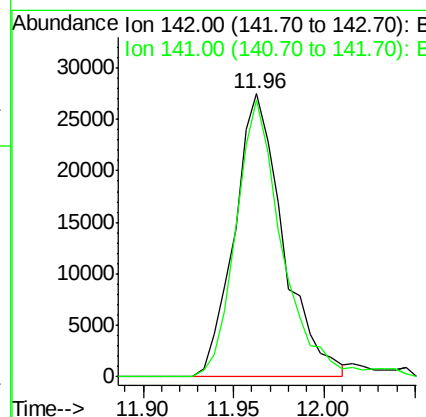
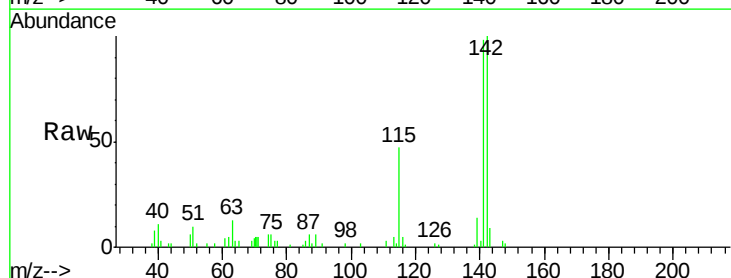
Manual Integrations
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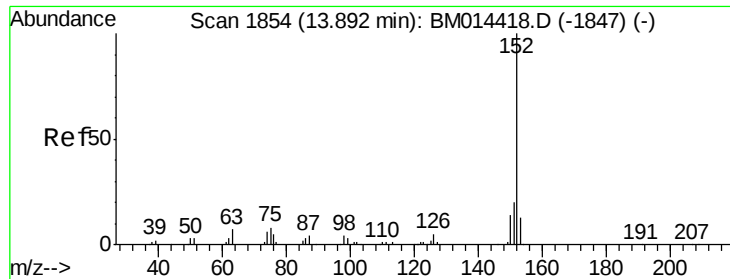
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#34
2-Methylnaphthalene
Concen: 2.437 ng/ul
RT: 11.96 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.8	74.1	111.1





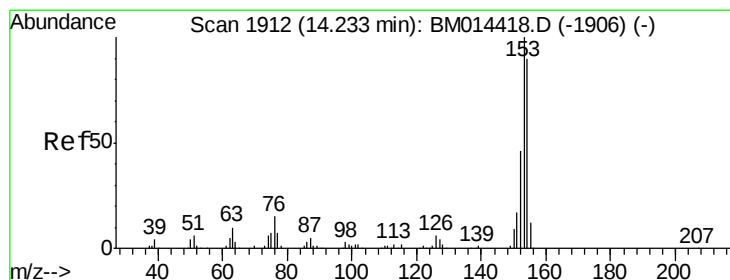
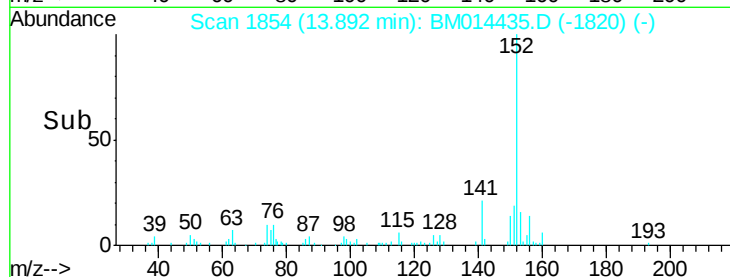
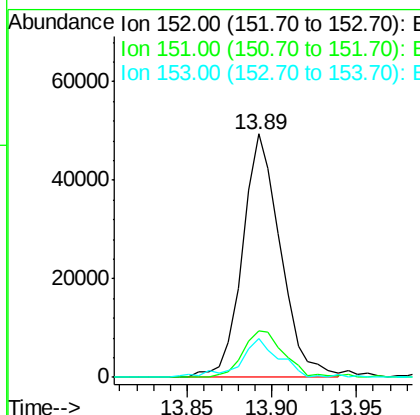
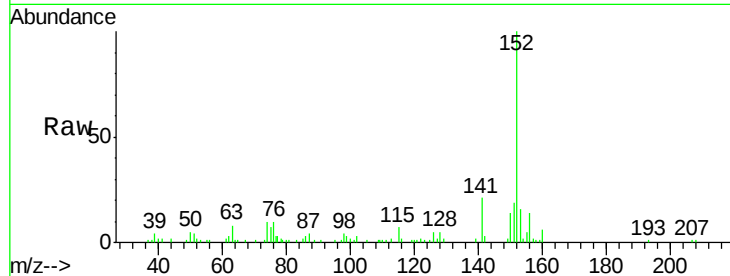
#47
Acenaphthylene
Concen: 2.447 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Instrument :
BNA_M
ClientSampleId :
BE5W0

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.3	24.5
153	16.1	10.2	15.4

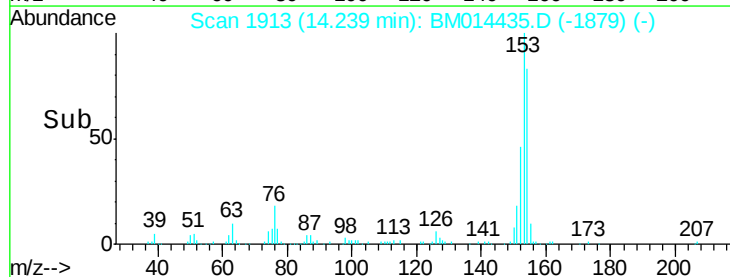
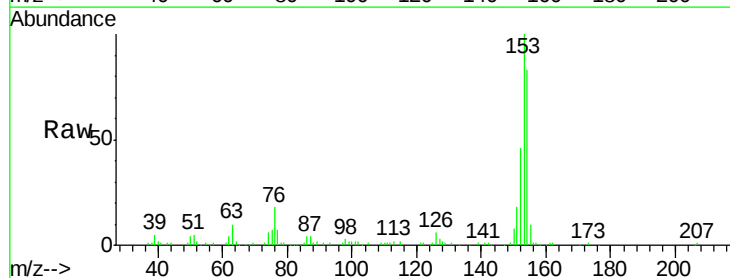
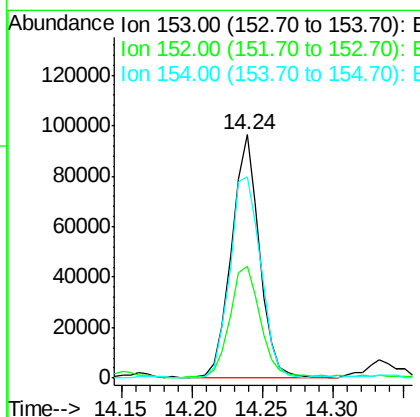
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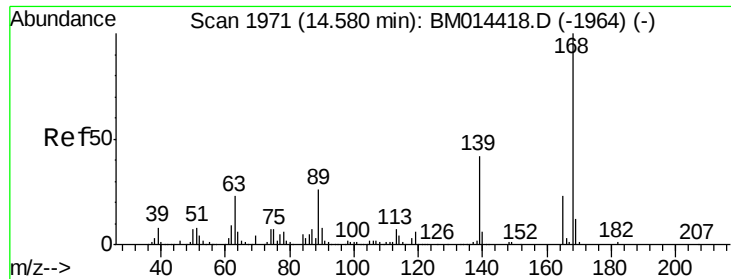
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#49
Acenaphthene
Concen: 5.957 ng/ul
RT: 14.24 min Scan# 1913
Delta R.T. 0.00 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.0	37.6	56.4
154	82.6	70.4	105.6





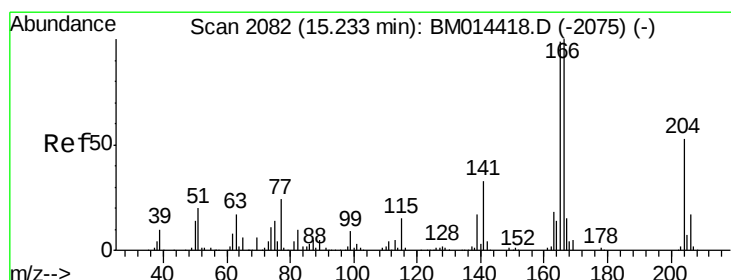
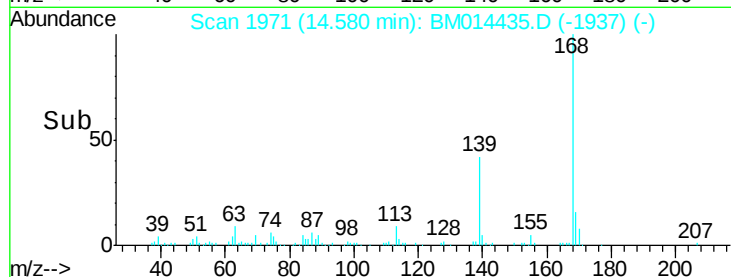
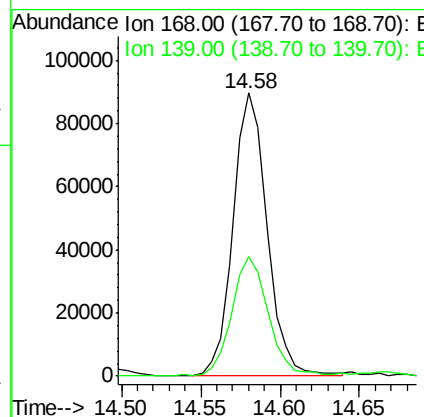
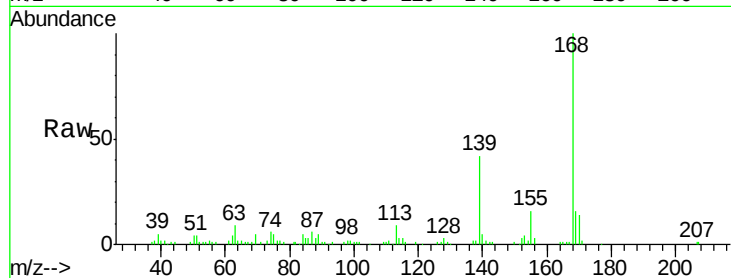
#53
Dibenzenofuran
Concen: 3.998 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Instrument :
BNA_M
ClientSampled :
BE5W0

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
139	42.3	30.8	46.2	

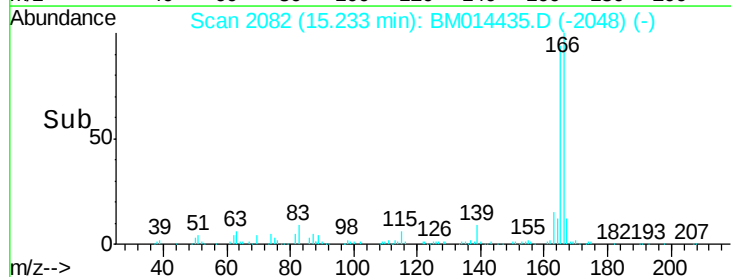
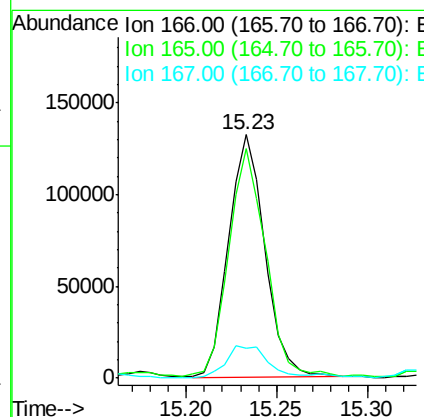
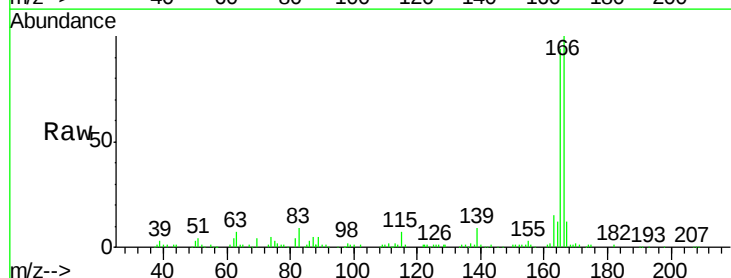
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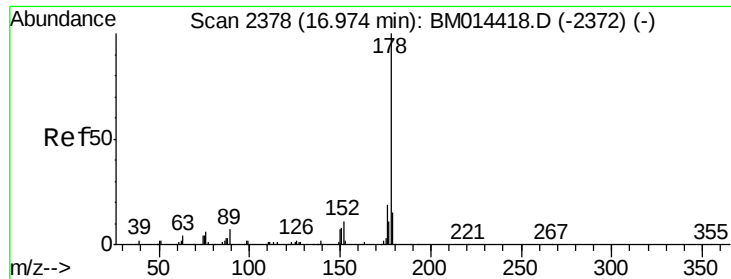
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#58
Fluorene
Concen: 6.360 ng/ul
RT: 15.23 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Tgt Ion	Ion	Ratio	Lower	Upper
166	100			
165	94.2	77.9	116.9	
167	12.2	10.6	16.0	





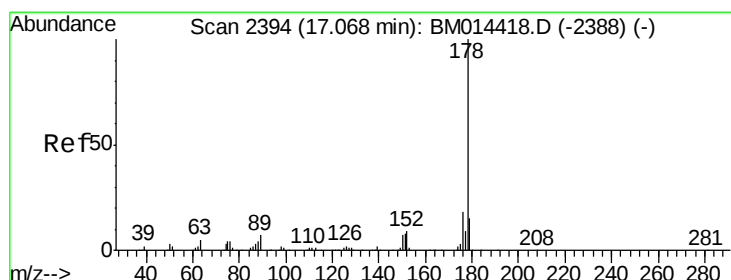
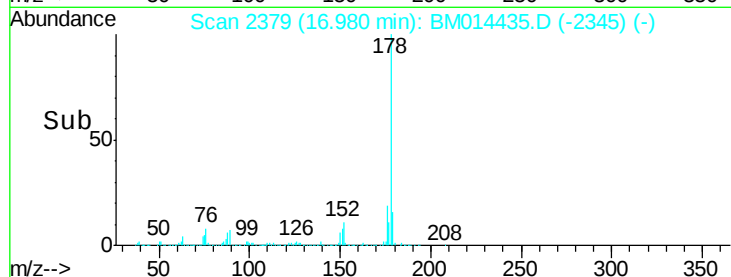
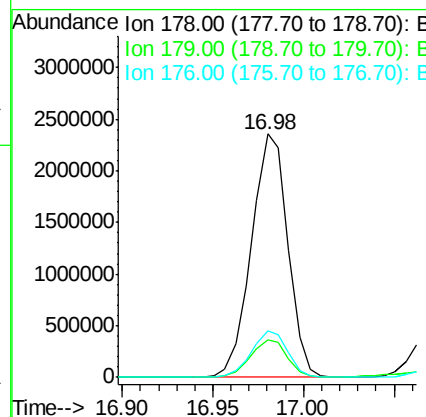
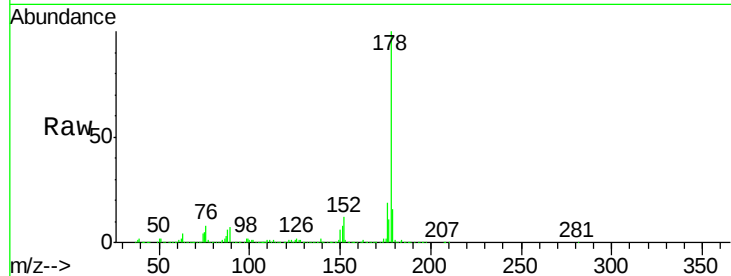
#69
Phenanthrene
Concen: 77.092 ng/ul
RT: 16.98 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Instrument :
BNA_M
ClientSampleId :
BE5W0

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.0	14.9	22.3

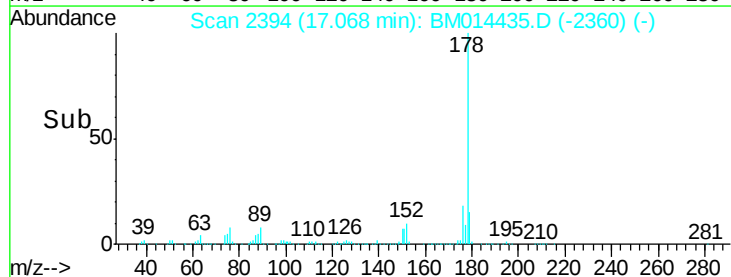
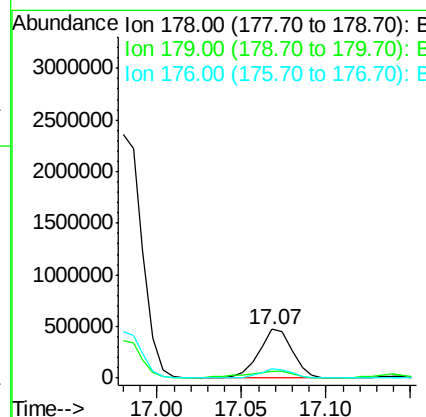
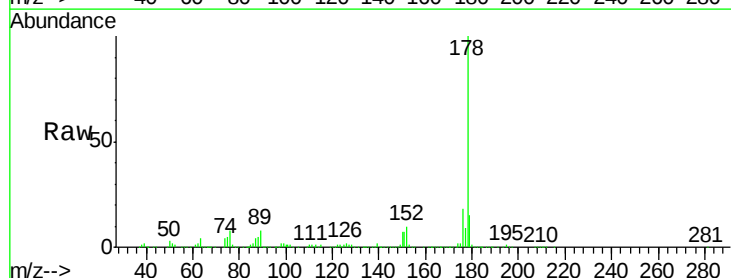
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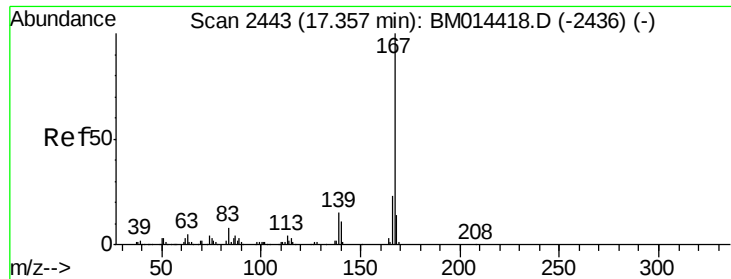
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#71
Anthracene
Concen: 15.314 ng/ul
RT: 17.07 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.7	11.7	17.5
176	18.4	14.6	21.8





#72

Carbazole

Concen: 7.585 ng/ul

RT: 17.35 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

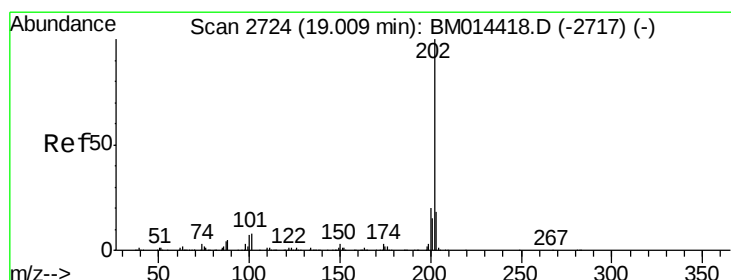
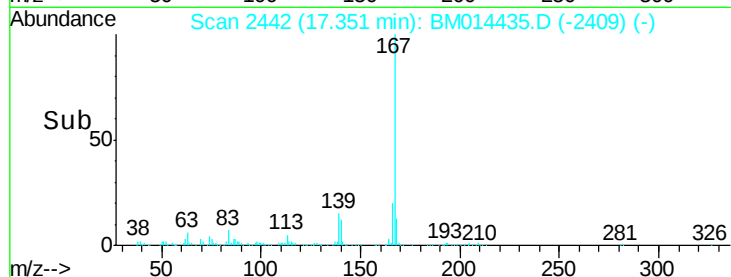
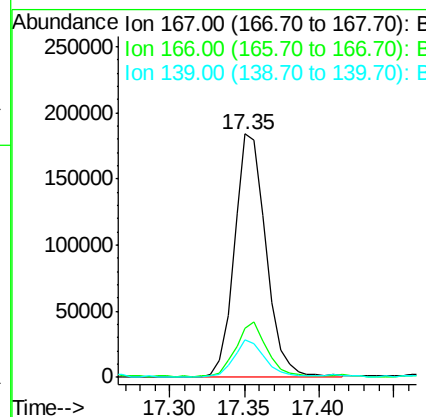
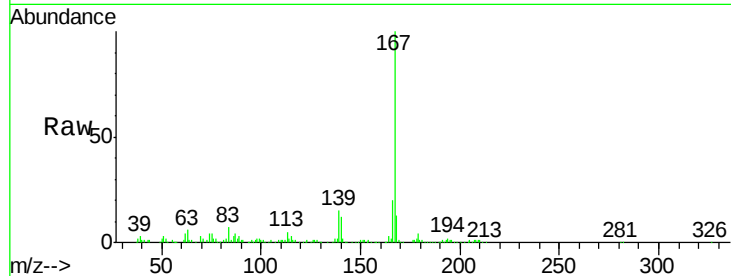
ClientSampled :

BE5W0

Tot Ion:	167	Resp:	272965
Ion Ratio	Lower	Upper	
167	100		
166	20.4	17.1	25.7
139	15.3	10.0	15.0#

Manual Integrations
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#74

Fluoranthene

Concen: 83.950 ng/ul

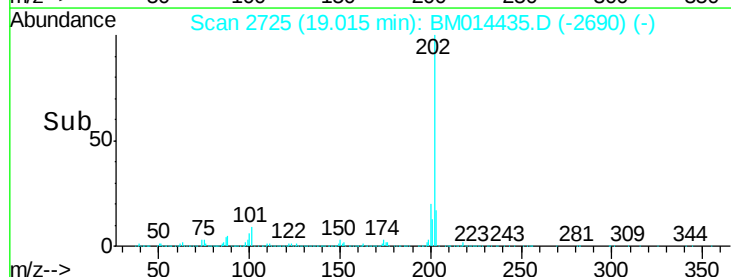
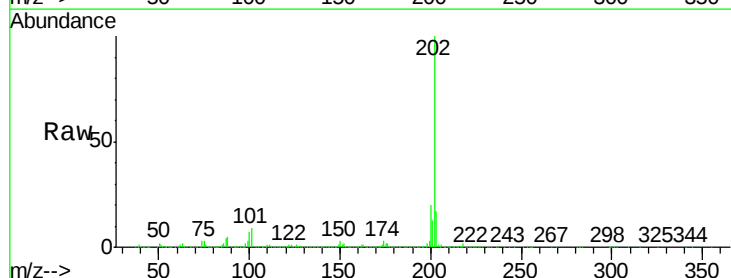
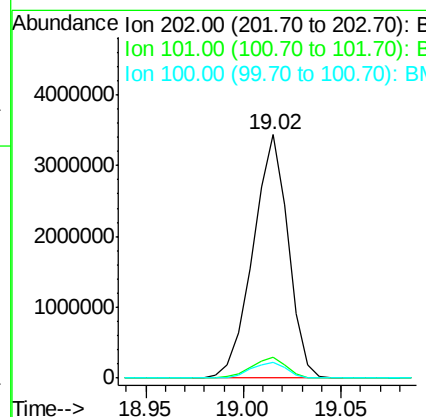
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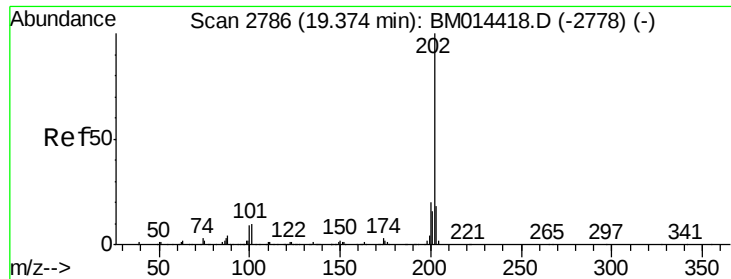
Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Tgt Ion:	202	Resp:	4268501
Ion Ratio	Lower	Upper	
202	100		
101	8.7	4.6	7.0#
100	6.5	3.4	5.2#





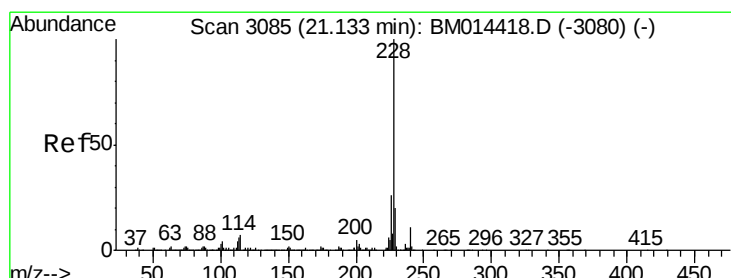
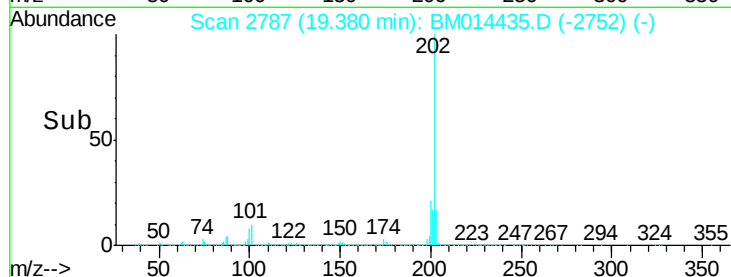
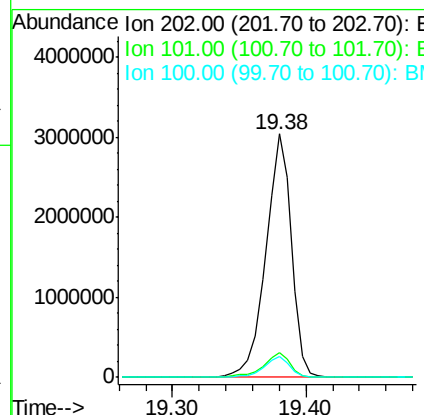
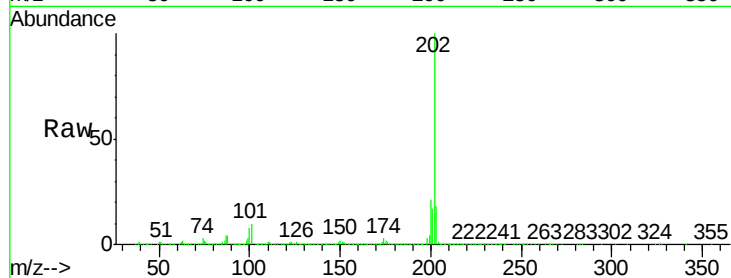
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Pvrene
Concen: 85.809 ng/ul
RT: 19.38 min Scan# 2787
Delta R.T. 0.01 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Instrument :
BNA_M
ClientSampled :
BE5W0

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	5.1	7.7#
100	8.5	4.9	7.3#

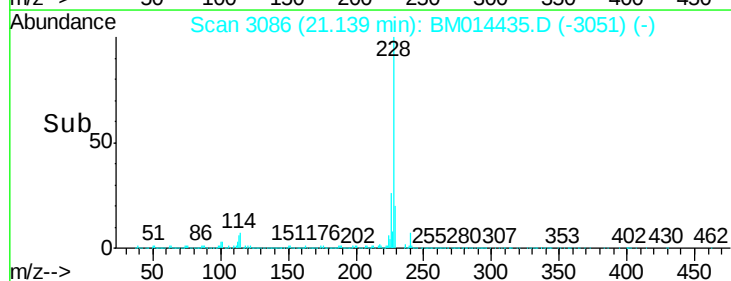
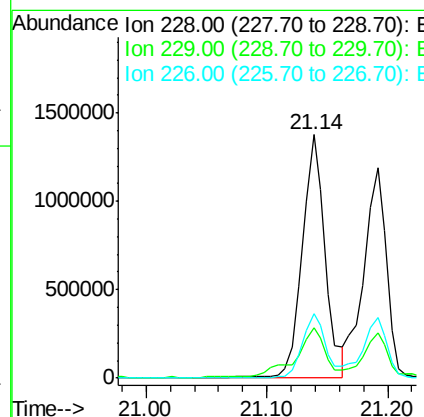
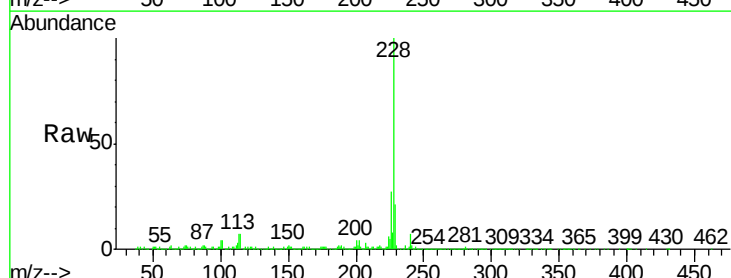
Manual Integrations
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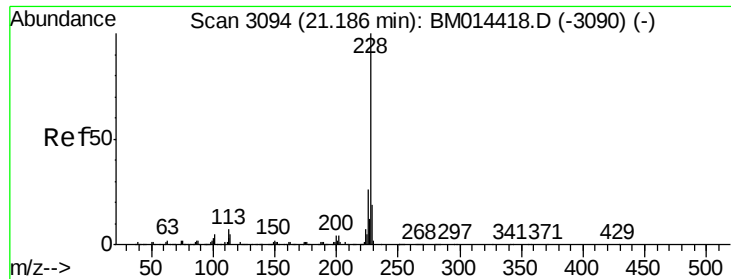
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#80
Benzo(a)anthracene
Concen: 40.728 ng/ul
RT: 21.14 min Scan# 3086
Delta R.T. 0.01 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.0
226	26.6	21.4	32.0





#82

Chrysene

Concen: 37.857 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampled :

BE5W0

Tot Ion:228 Resp: 1545388

Ion Ratio Lower Upper

228 100

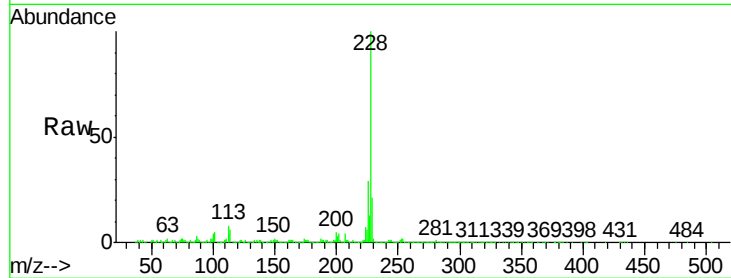
226 29.1 23.4 35.2

229 21.4 15.5 23.3

Manual Integrations
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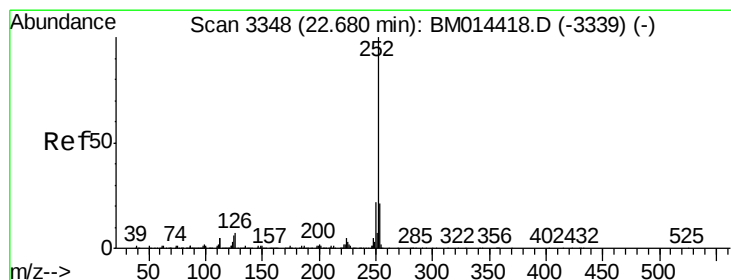
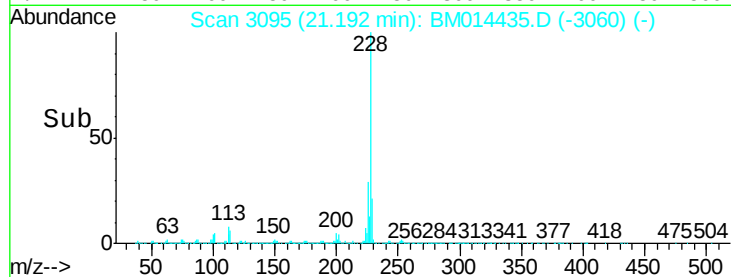
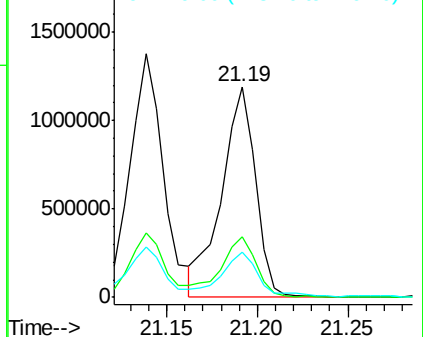
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 42.734 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

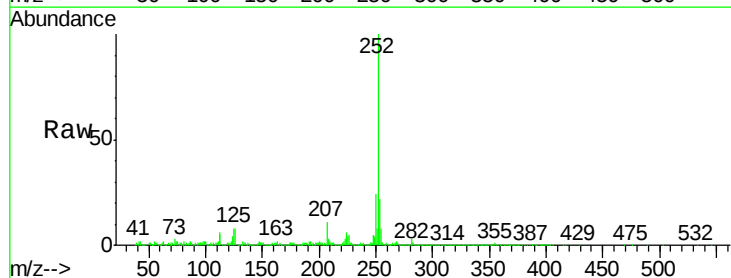
Tgt Ion:252 Resp: 1534958

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

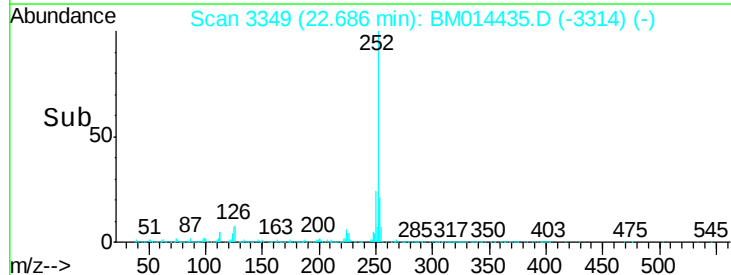
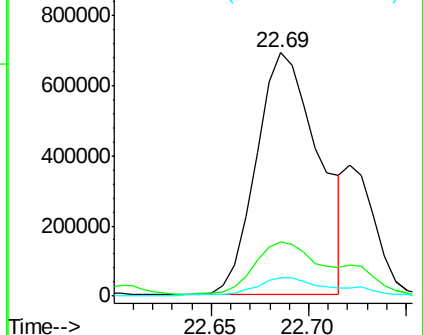
125 7.7 3.6 5.4#

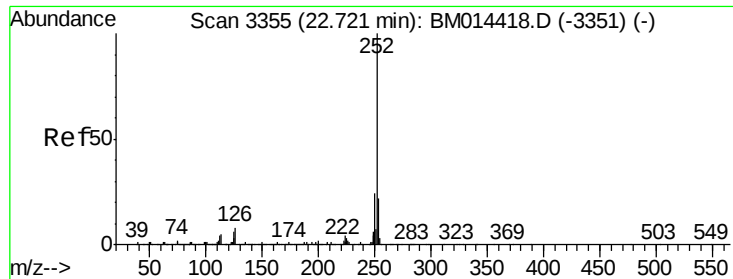


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 11.775 ng/ul m

RT: 22.72 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

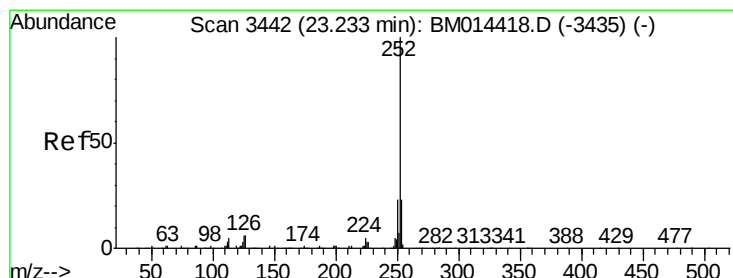
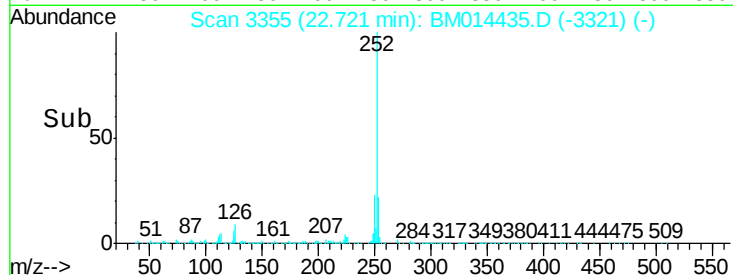
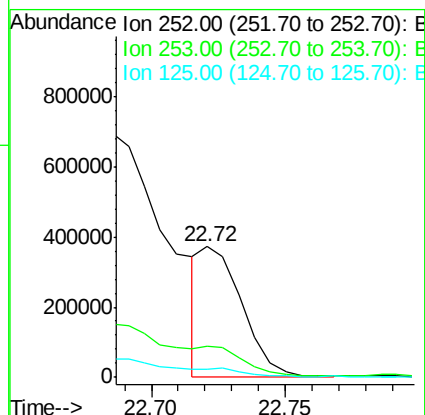
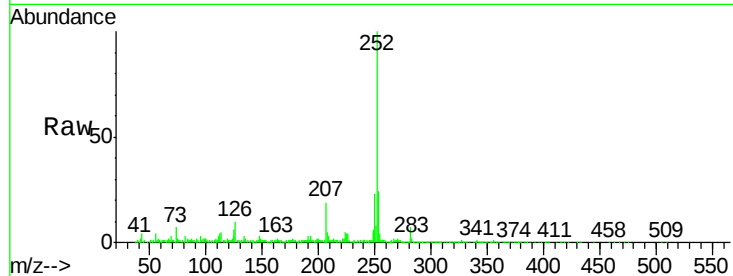
ClientSampled :

BE5W0

Tot Ion:	252	Resp:	402109
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.1	25.7
125	6.3	3.4	5.2#

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#88

Benzo(a)pyrene

Concen: 32.340 ng/ul

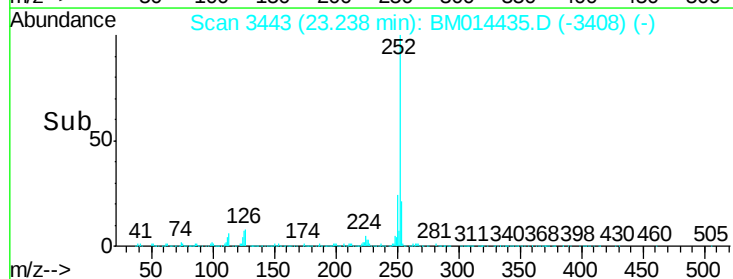
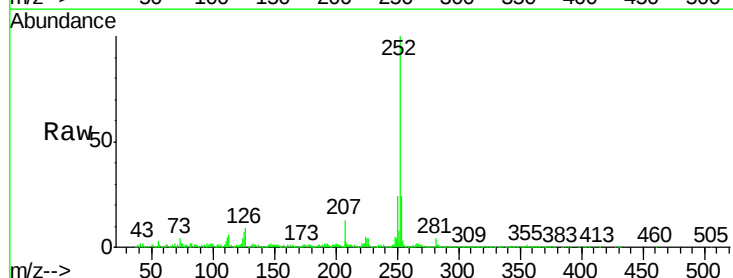
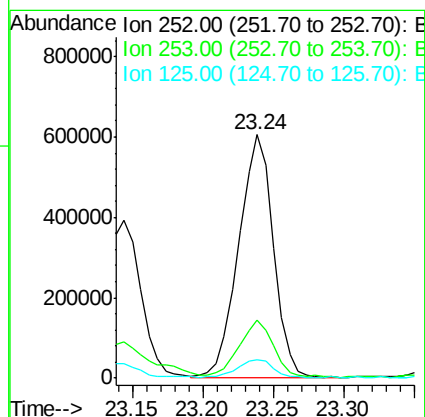
RT: 23.24 min Scan# 3443

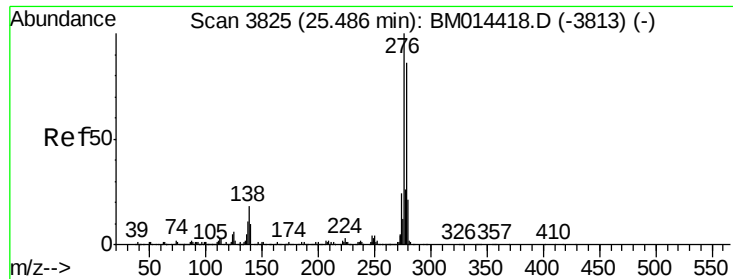
Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Tgt Ion:	252	Resp:	1038031
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.2	27.2
125	7.3	4.0	6.0#





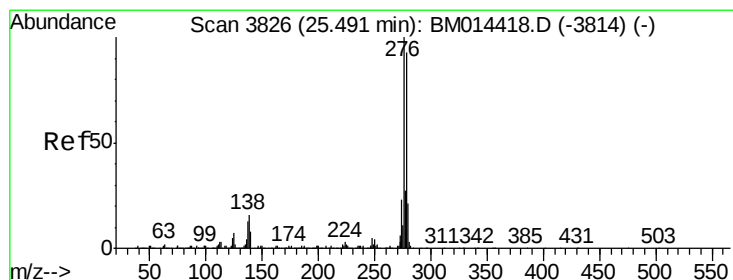
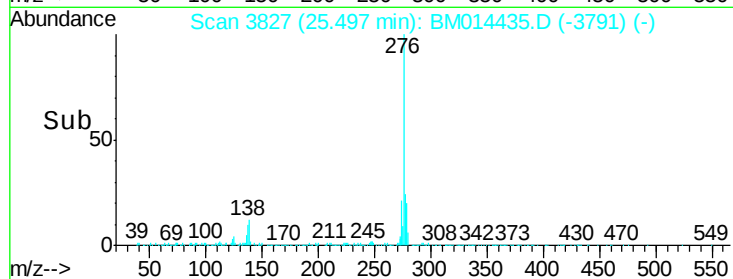
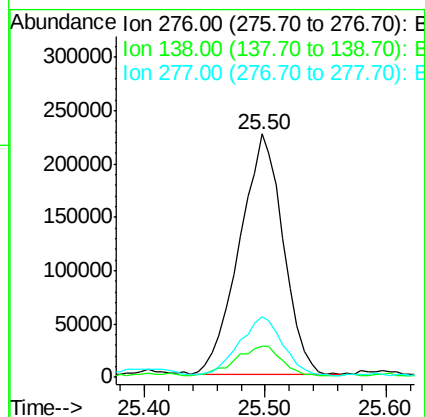
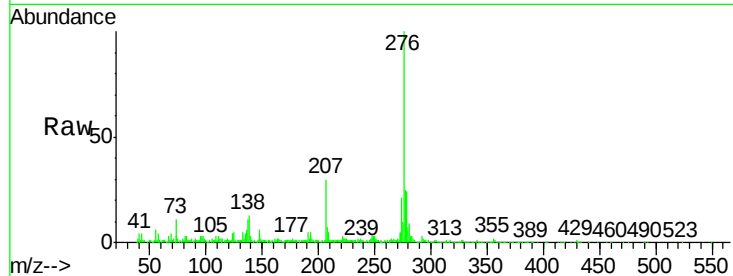
#89
Indeno(1,2,3-cd)pyrene
Concen: 18.171 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.01 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Instrument :
BNA_M
ClientSampleId :
BE5W0

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.0	9.3	13.9
277	24.6	19.9	29.9

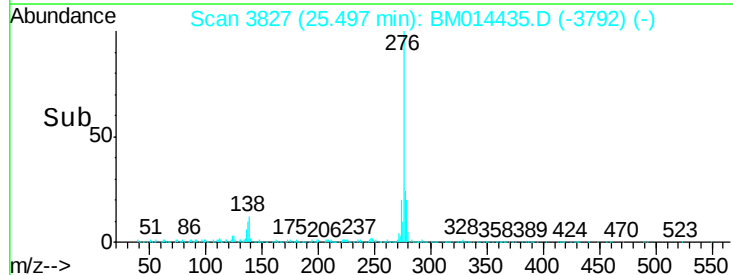
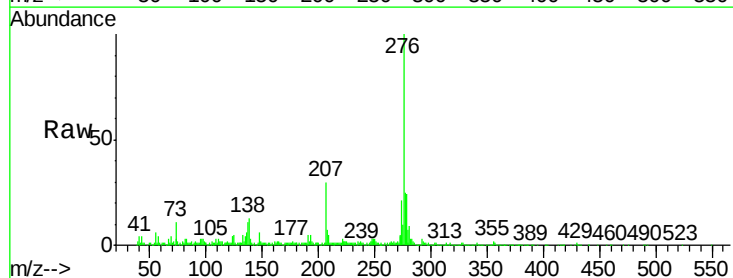
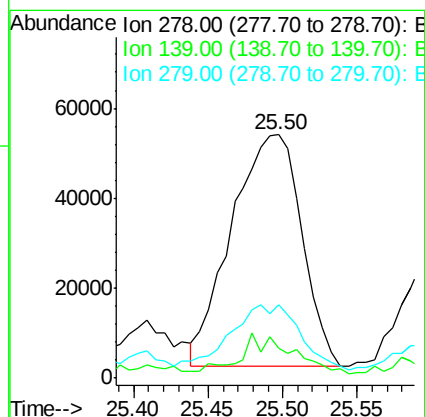
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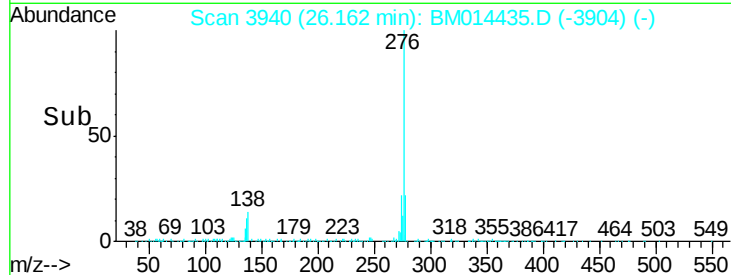
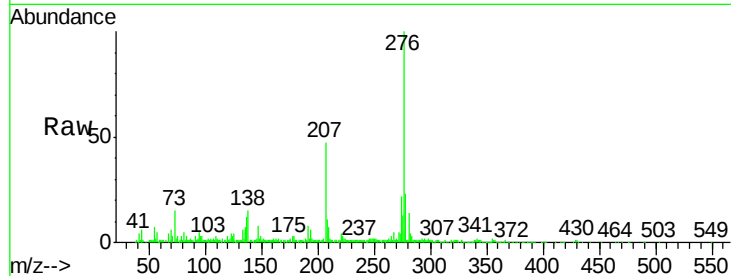
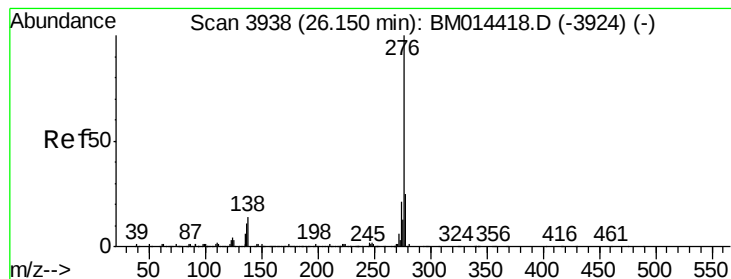
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#90
Dibenzo(a,h)anthracene
Concen: 6.513 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.01 min
Lab File: BM014435.D
Acq: 01 Mar 2018 11:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.4	5.8	8.8#
279	29.9	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 17.027 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Tot Ion:	276	Resp:	429631
Ion Ratio	Lower	Upper	
276	100		
138	15.1	8.5	12.7#
277	23.3	18.6	28.0

Instrument :

BNA_M

ClientSampleId :

BE5W0

Manual Integrations
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