

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
 Data File : BM014443.D
 Acq On : 01 Mar 2018 21:22
 Operator : SJ/JU
 Sample : J1678-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5T2

Manual Integrations
 APPROVED

Sohil
 3/2/2018 3:32:02 PM

Quant Time: Mar 08 15:06:28 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	7.51	152	104474	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	488652	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	297806	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	644215	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	692722	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	545489	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.09	96	14036	5.75	ng/uL	0.00
5) Phenol-d5	6.72	99	345566	39.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	206091	38.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	279099	41.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	296988	38.44	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	147426	40.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	166218	44.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	294989	38.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	341255	44.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	980152	39.85	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1246771	41.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	112715	33.19	ng/ul	0.02
57) Fluorene-d10	15.18	176	820881	37.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	51724	13.38	ng/ul	0.01
70) Anthracene-d10	17.04	188	1242975	39.99	ng/ul	0.00
76) Pyrene-d10	19.35	212	1399003	39.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	1038964	39.13	ng/ul	0.01
Target Compounds						
6) Phenol	6.75	94	19894	2.147	ng/ul	92
28) Naphthalene	10.33	128	25322	1.009	ng/ul	97
44) Dimethylphthalate	13.64	163	253768	10.464	ng/ul	99
49) Acenaphthene	14.23	153	64019	3.172	ng/ul	92
58) Fluorene	15.23	166	60788	2.327	ng/ul	92
69) Phenanthrene	16.98	178	827920	22.306	ng/ul	99
71) Anthracene	17.07	178	186139	4.987	ng/ul	100
72) Carbazole	17.36	167	97703	3.113	ng/ul#	93
74) Fluoranthene	19.01	202	1256767	28.341	ng/ul#	92
77) Pyrene	19.38	202	1078921	23.436	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	579951	13.415	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.07	149	336429	12.341	ng/ul#	97
82) Chrysene	21.19	228	542469	13.451	ng/ul	96
85) Benzo(b)fluoranthene	22.69	252	595532	16.305	ng/ul#	94
86) Benzo(k)fluoranthene	22.72	252	163909m	4.720	ng/ul	
88) Benzo(a)pyrene	23.24	252	389749	11.941	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	25.50	276	224010	7.073	ng/ul#	98
90) Dibenzo(a,h)anthracene	25.50	278	68565m	2.605	ng/ul	
91) Benzo(g,h,i)perylene	26.16	276	174958	6.819	ng/ul#	88

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

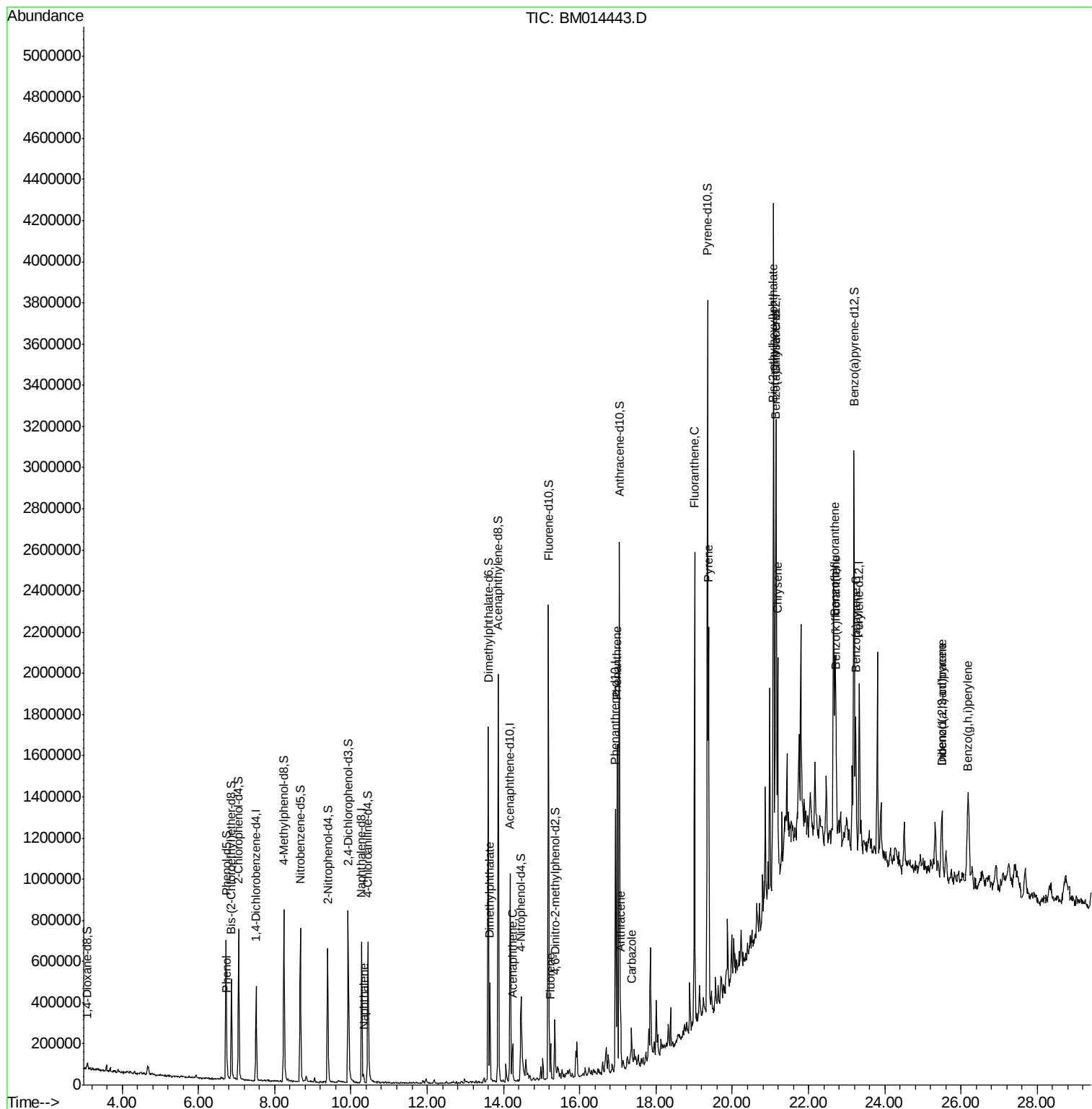
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014443.D
Acq On : 01 Mar 2018 21:22
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Misc :
ALS Vial : 7 Sample Multiplier: 1

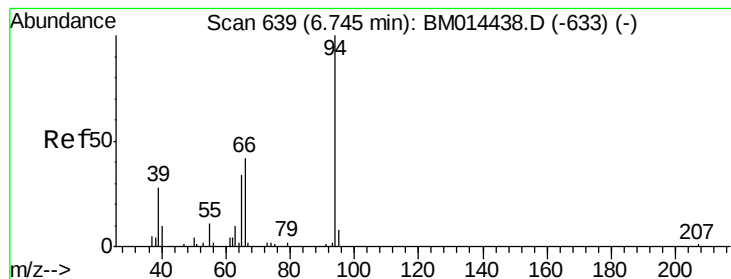
Instrument :
BNA_M
ClientSampleId :
BE5T2

Quant Time: Mar 08 15:06:28 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
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#6

Phenol

Concen: 2.147 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. 0.01 min

Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Instrument :

BNA_M

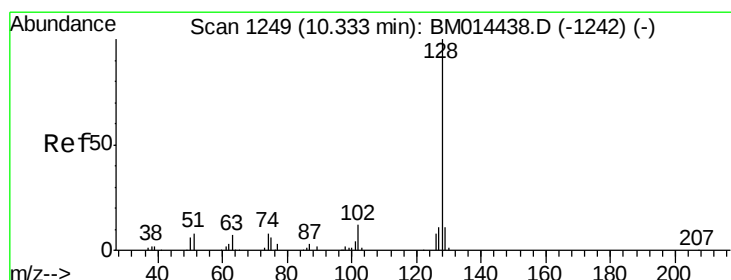
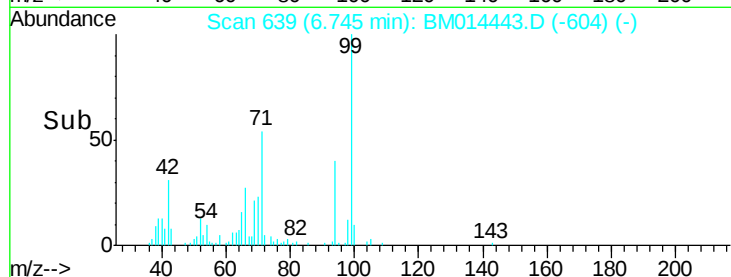
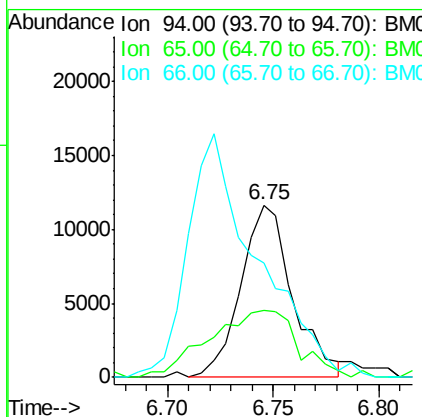
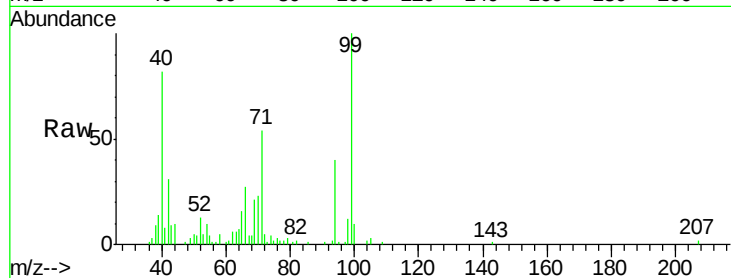
ClientSampled :

BE5T2

Tot Ion:	94	Resp:	19894
Ion	Ratio	Lower	Upper
94	100		
65	38.9	28.2	42.4
66	66.4	47.2	70.8

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#28

Naphthalene

Concen: 1.009 ng/ul

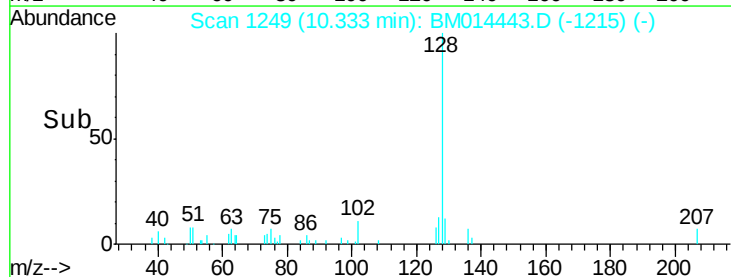
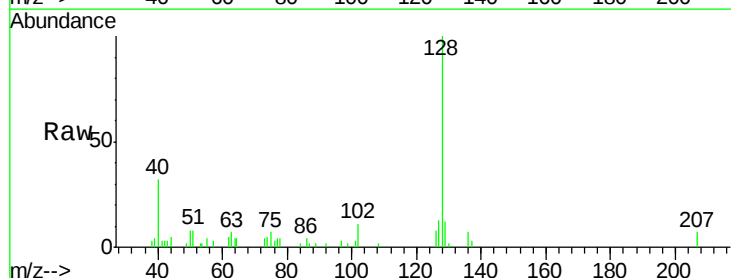
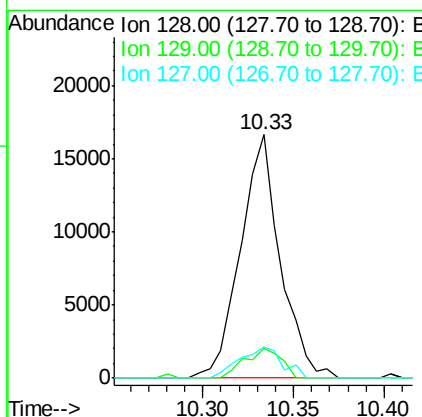
RT: 10.33 min Scan# 1249

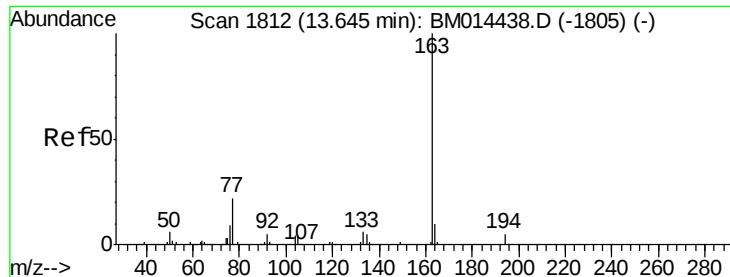
Delta R.T. 0.00 min

Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Tgt Ion:	128	Resp:	25322
Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.8	13.2
127	12.6	10.6	16.0





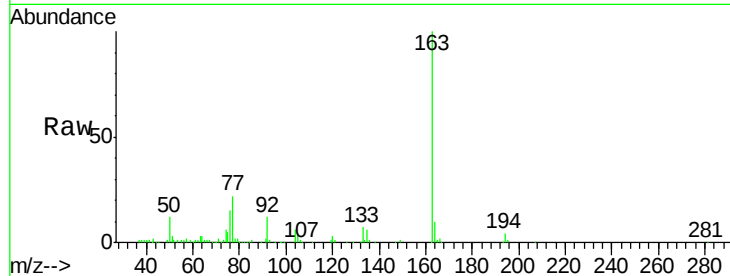
#44
Dimethylphthalate
Concen: 10.464 ng/ul
RT: 13.64 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014443.D
Acq: 01 Mar 2018 21:22

Instrument :
BNA_M
ClientSampled :
BE5T2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	253768		
194	4.2		3.5	5.3
164	9.6		8.2	12.4

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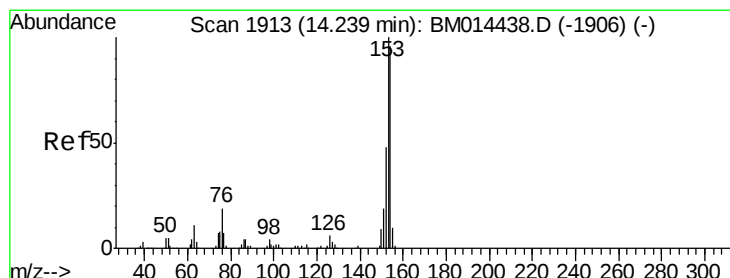
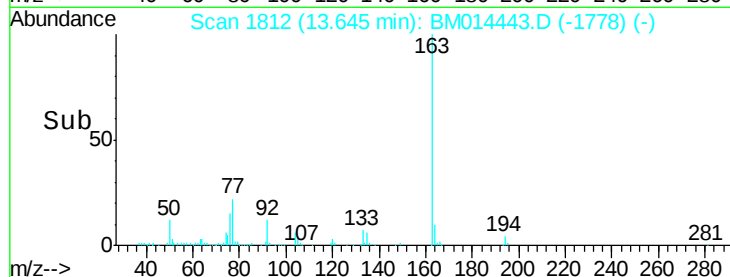
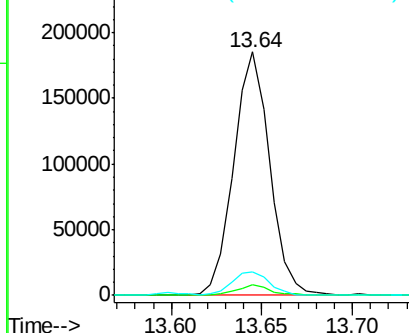


Abundance

Ion 163.00 (162.70 to 163.70): E

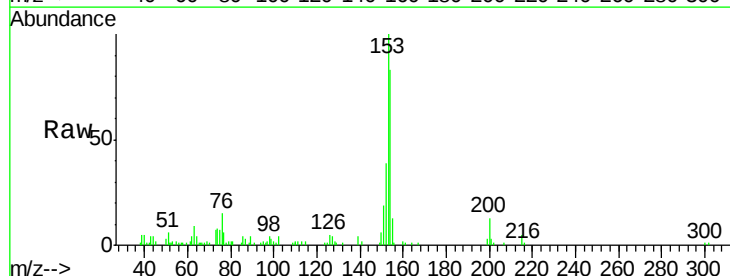
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49
Acenaphthene
Concen: 3.172 ng/ul
RT: 14.23 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BM014443.D
Acq: 01 Mar 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	64019		
152	39.0		37.6	56.4
154	82.6		70.4	105.6

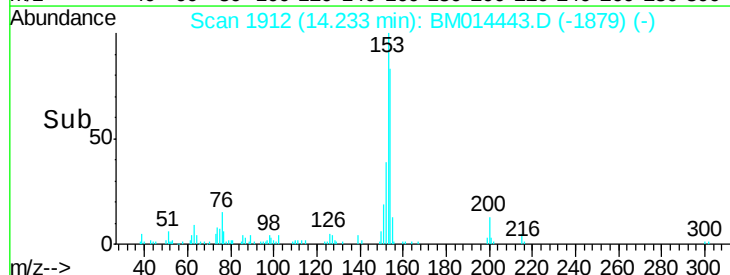
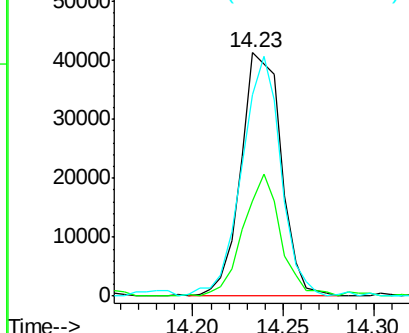


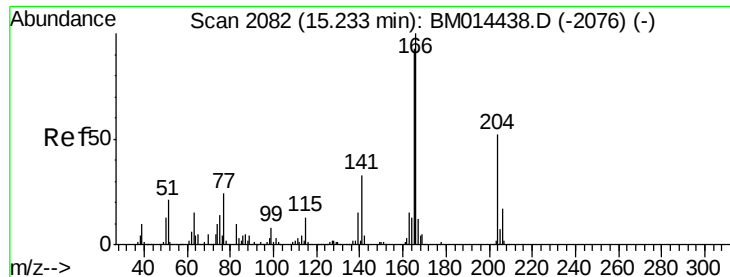
Abundance

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





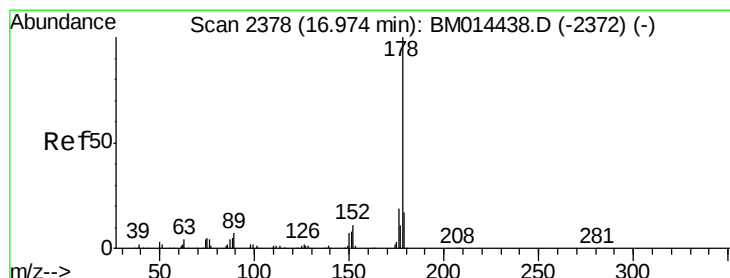
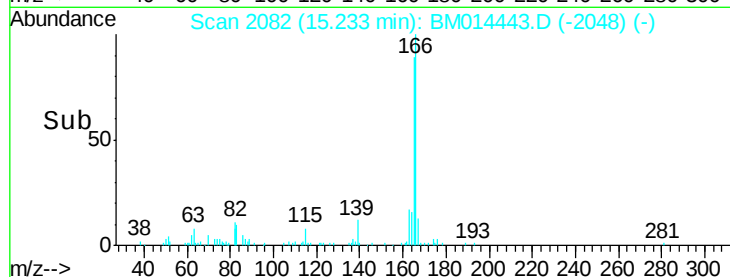
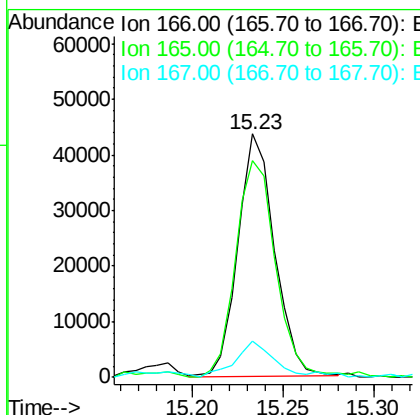
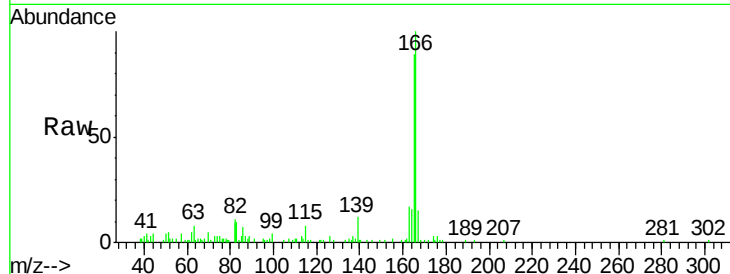
#58
 Fluorene
 Concen: 2.327 ng/ul
 RT: 15.23 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM014443.D
 Acq: 01 Mar 2018 21:22

Instrument :
 BNA_M
 ClientSampled :
 BE5T2

Tot Ion	Ratio	Lower	Upper
166	100		
165	89.3	77.9	116.9
167	14.8	10.6	16.0

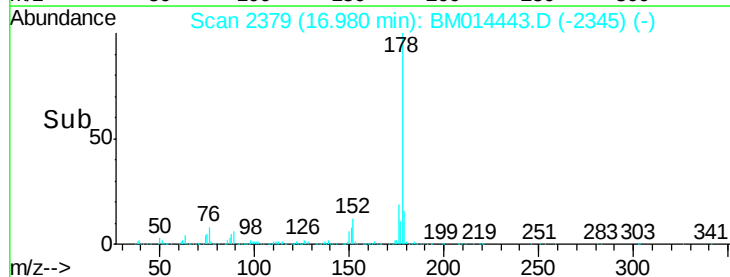
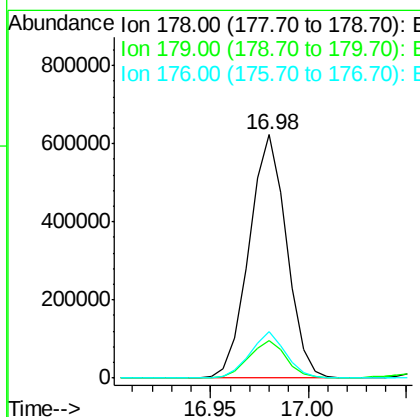
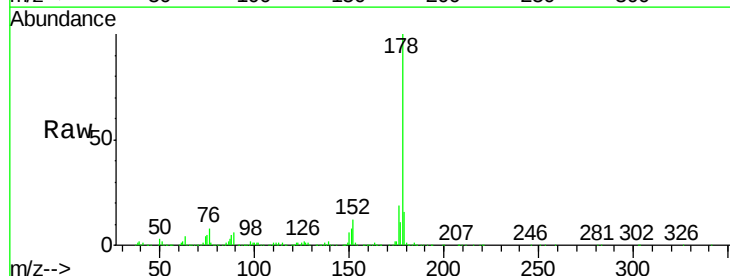
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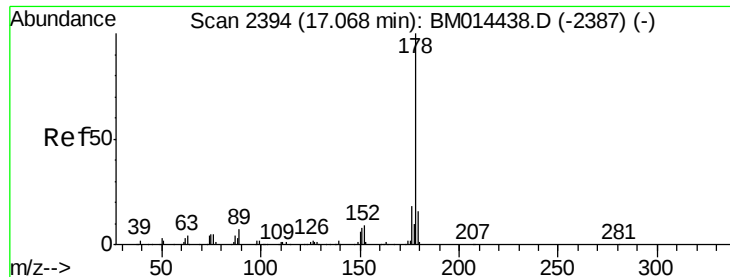
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#69
 Phenanthrene
 Concen: 22.306 ng/ul
 RT: 16.98 min Scan# 2379
 Delta R.T. 0.00 min
 Lab File: BM014443.D
 Acq: 01 Mar 2018 21:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	18.9	14.9	22.3





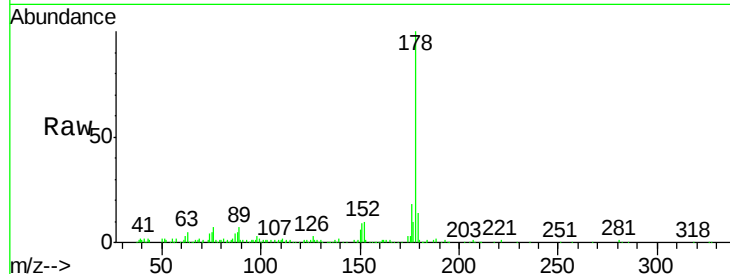
#71
 Anthracene
 Concen: 4.987 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.01 min
 Lab File: BM014443.D
 Acq: 01 Mar 2018 21:22

Instrument :
 BNA_M
 ClientSampleId :
 BE5T2

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.5	11.7	17.5
176	18.4	14.6	21.8

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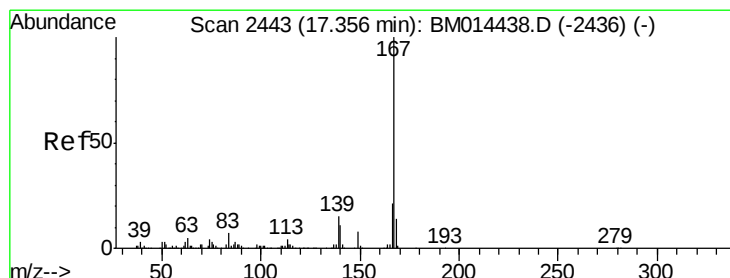
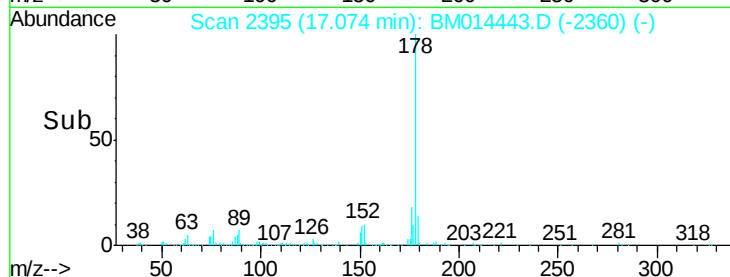
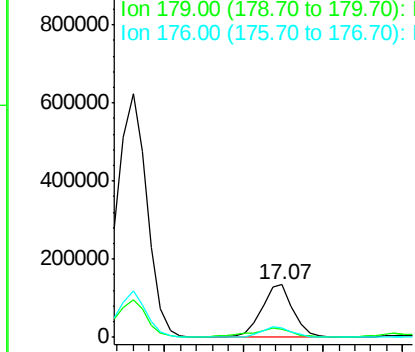


Abundance

Ion 178.00 (177.70 to 178.70): E

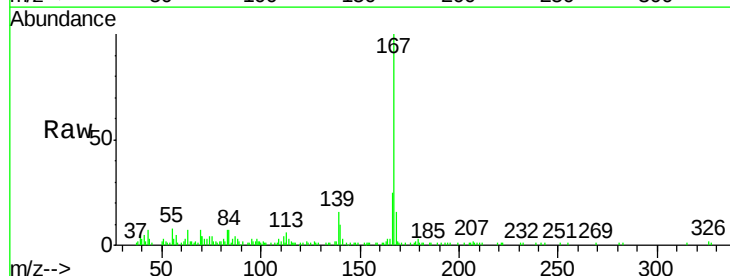
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72
 Carbazole
 Concen: 3.113 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014443.D
 Acq: 01 Mar 2018 21:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.8	17.1	25.7
139	15.5	10.0	15.0#

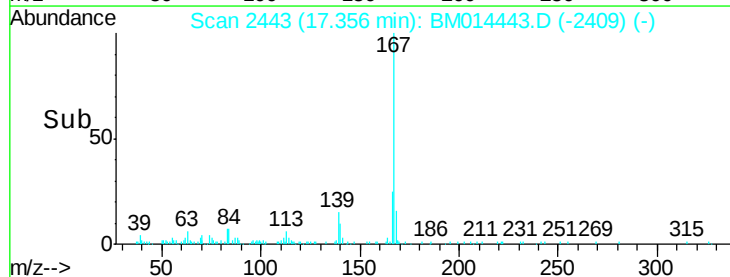
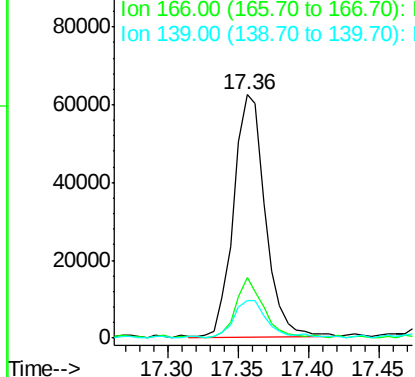


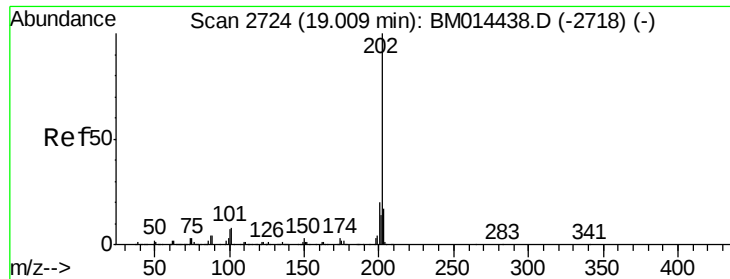
Abundance

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: 28.341 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Instrument :

BNA_M

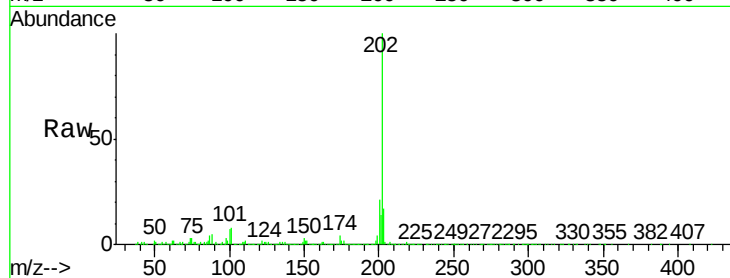
ClientSampleId :

BE5T2

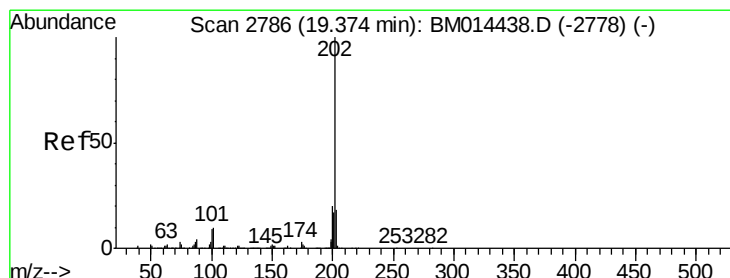
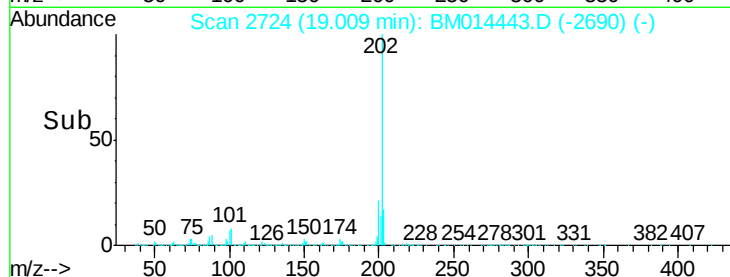
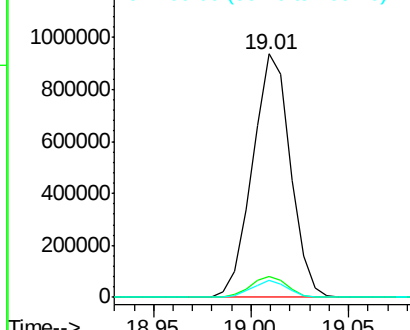
Tot Ion:	202	Resp:	1256767
Ion Ratio	Lower	Upper	
202	100		
101	8.4	4.6	7.0#
100	6.8	3.4	5.2#

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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



#77

Pyrene

Concen: 23.436 ng/ul

RT: 19.38 min Scan# 2787

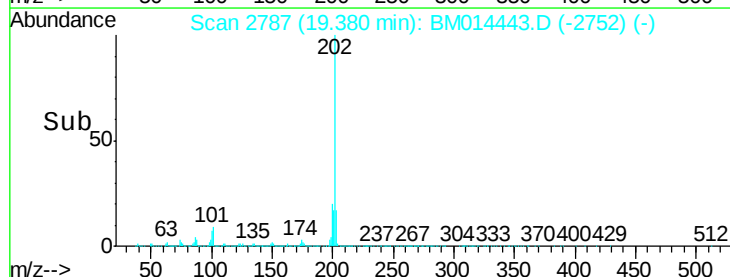
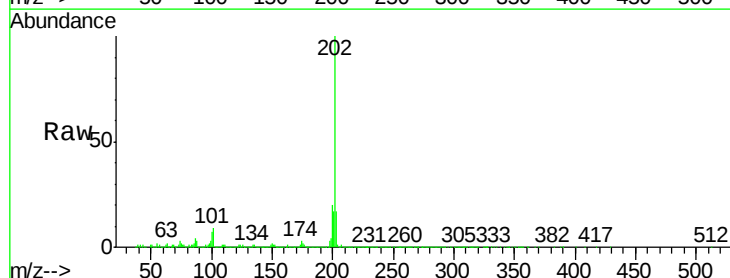
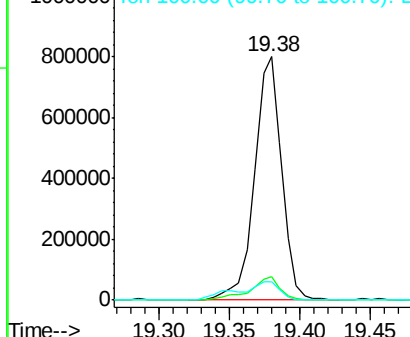
Delta R.T. 0.01 min

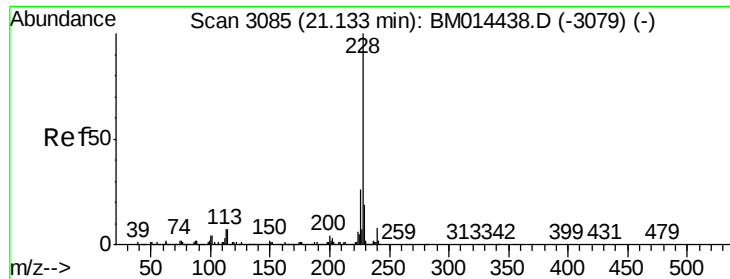
Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Tgt Ion:	202	Resp:	1078921
Ion Ratio	Lower	Upper	
202	100		
101	9.5	5.1	7.7#
100	7.4	4.9	7.3#

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: 13.415 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Instrument :

BNA_M

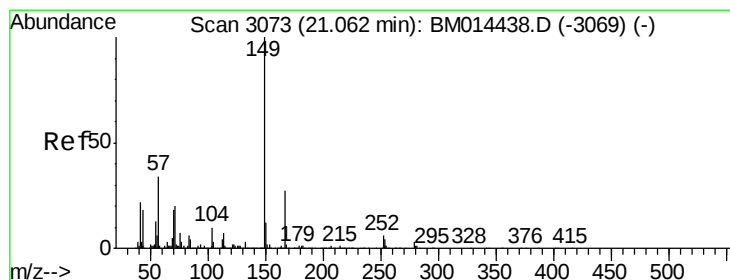
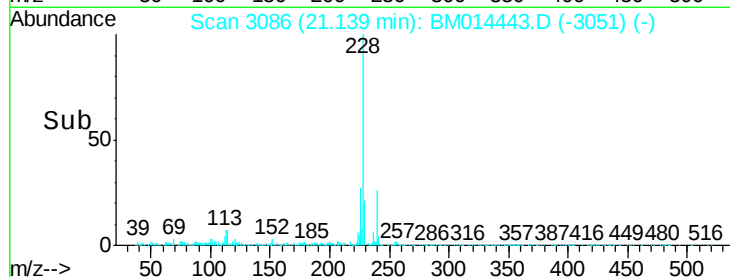
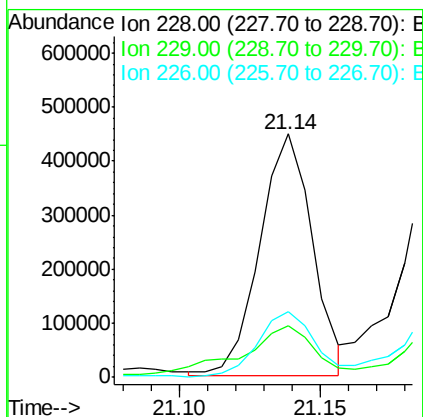
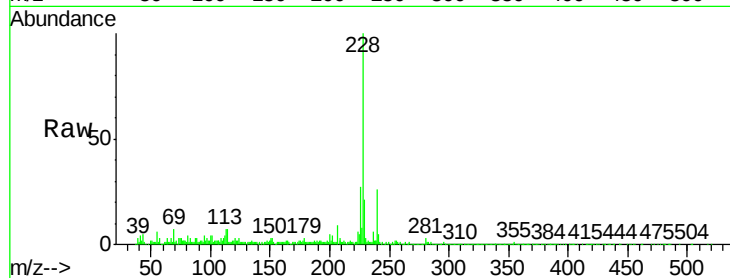
ClientSampleId :

BE5T2

Tot Ion:	228	Resp:	579951
Ion Ratio	Lower	Upper	
228	100		
229	21.5	15.4	23.0
226	27.2	21.4	32.0

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#81

Bis(2-ethylhexyl)phthalate

Concen: 12.341 ng/ul

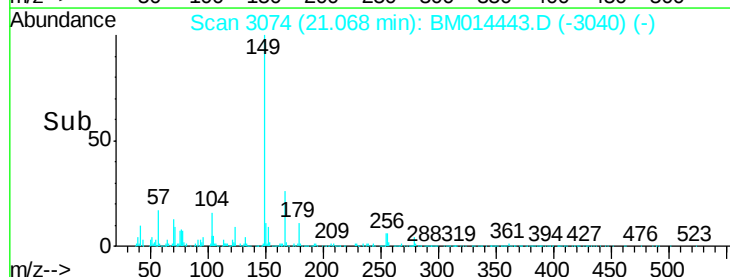
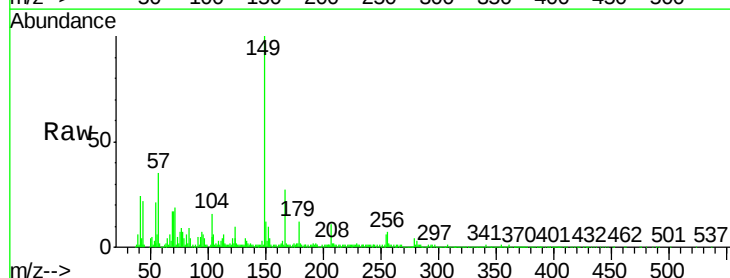
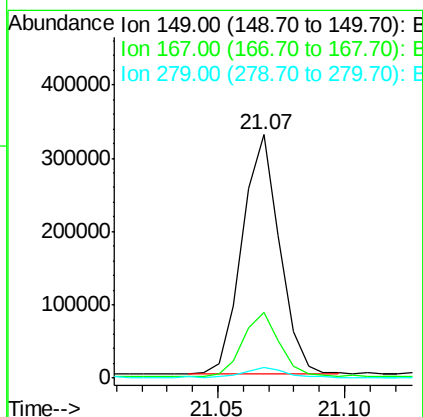
RT: 21.07 min Scan# 3074

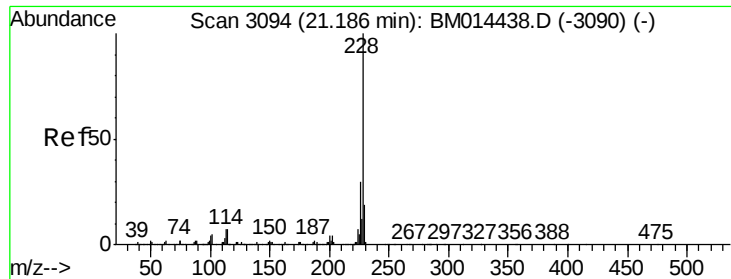
Delta R.T. 0.00 min

Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Tgt Ion:	149	Resp:	336429
Ion Ratio	Lower	Upper	
149	100		
167	26.8	22.8	34.2
279	4.5	4.9	7.3#





#82

Chrysene

Concen: 13.451 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Instrument :

BNA_M

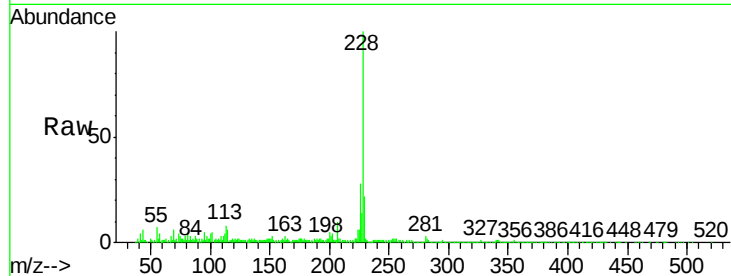
ClientSampleId :

BE5T2

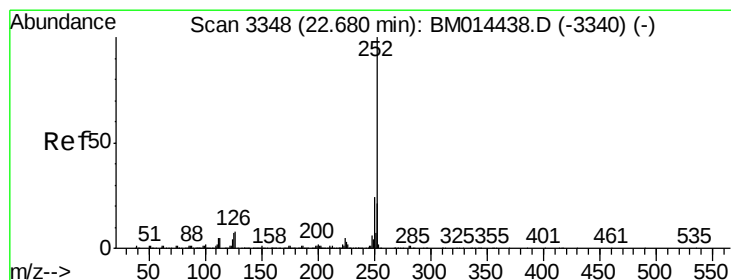
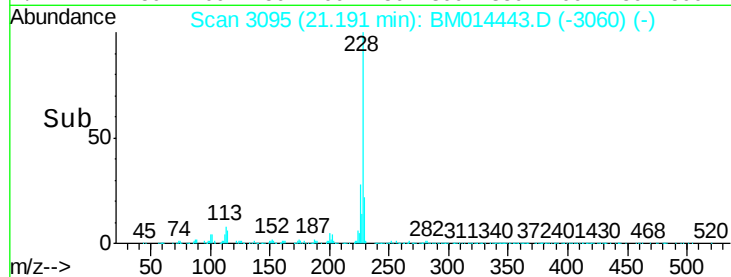
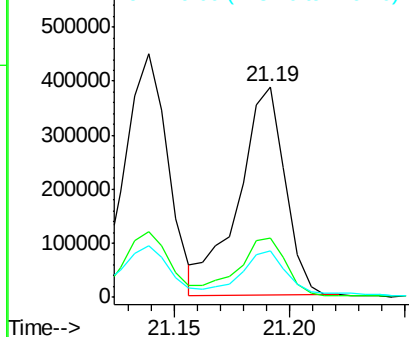
Tot Ion:	228	Resp:	542469
Ion Ratio		Lower	Upper
228	100		
226	28.3	23.4	35.2
229	22.3	15.5	23.3

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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: 16.305 ng/ul

RT: 22.69 min Scan# 3349

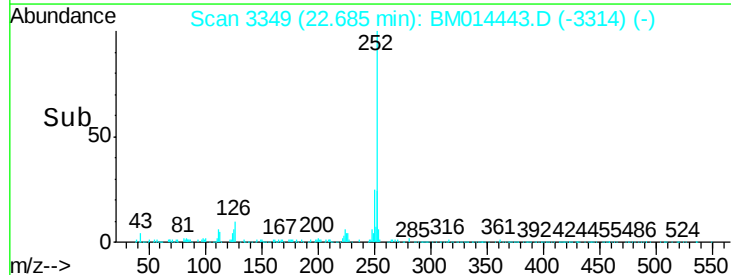
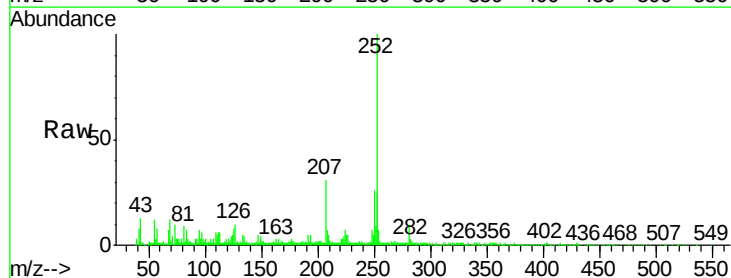
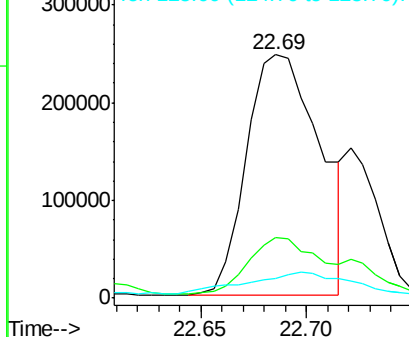
Delta R.T. 0.01 min

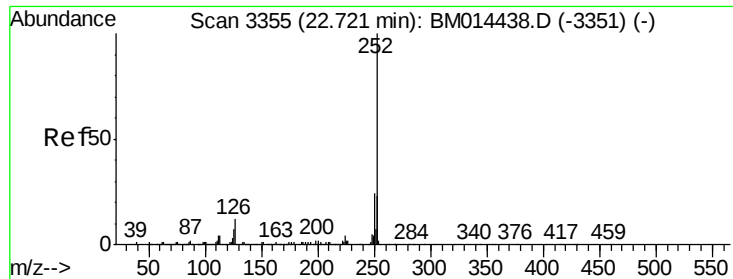
Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Tgt Ion:	252	Resp:	595532
Ion Ratio		Lower	Upper
252	100		
253	25.1	17.9	26.9
125	8.0	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





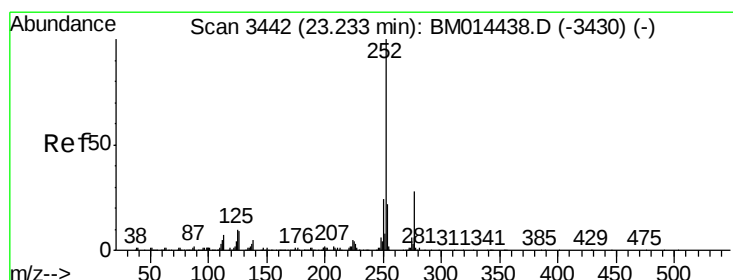
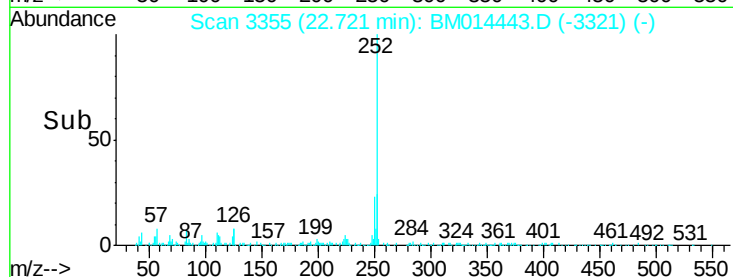
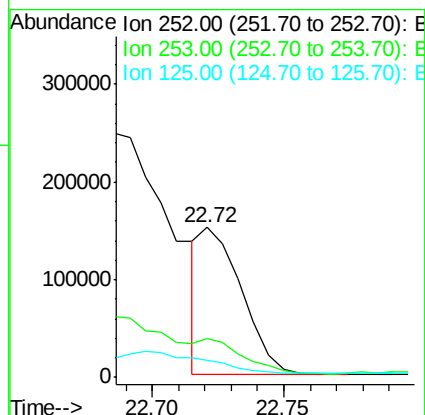
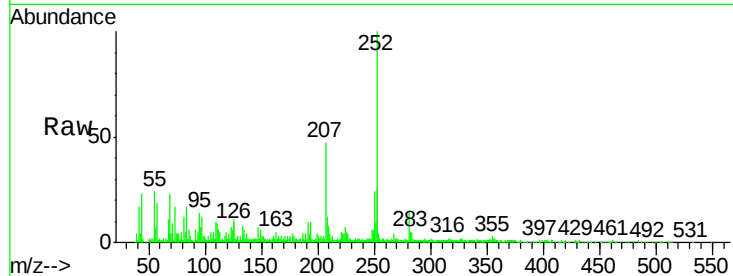
#86
Benzo(k)fluoranthene
Concen: 4.720 ng/ul m
RT: 22.72 min Scan# 3355
Delta R.T. 0.00 min
Lab File: BM014443.D
Acq: 01 Mar 2018 21:22

Instrument :
BNA_M
ClientSampleId :
BE5T2

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	11.0	3.4	5.2#

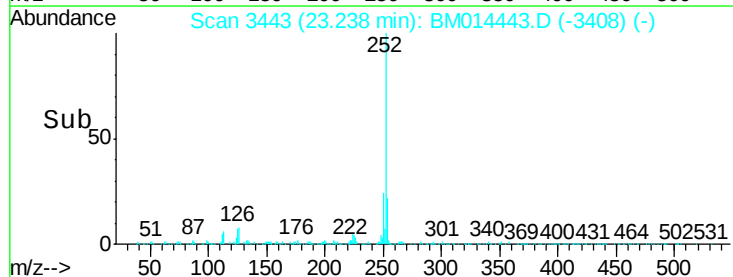
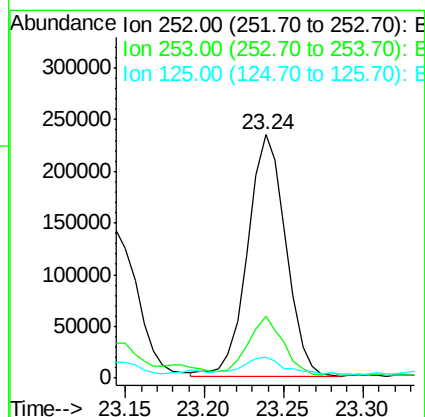
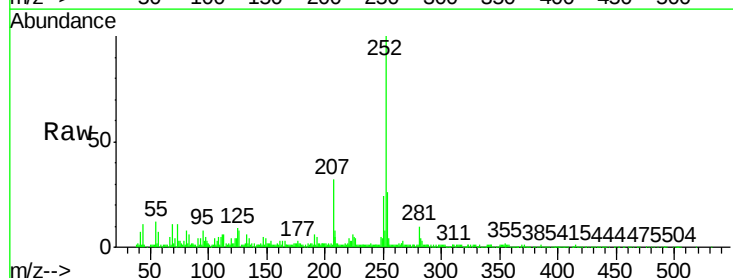
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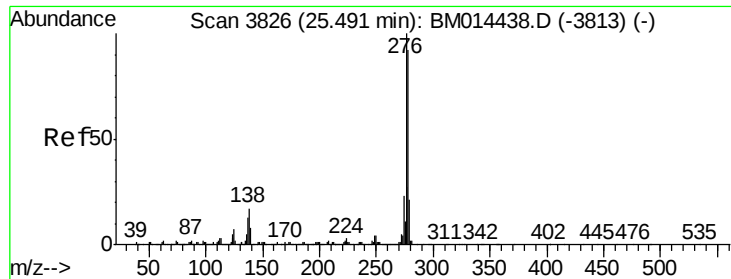
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#88
Benzo(a)pyrene
Concen: 11.941 ng/ul
RT: 23.24 min Scan# 3443
Delta R.T. 0.01 min
Lab File: BM014443.D
Acq: 01 Mar 2018 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	8.8	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 7.073 ng/ul

RT: 25.50 min Scan# 3828

Delta R.T. 0.02 min

Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Instrument :

BNA_M

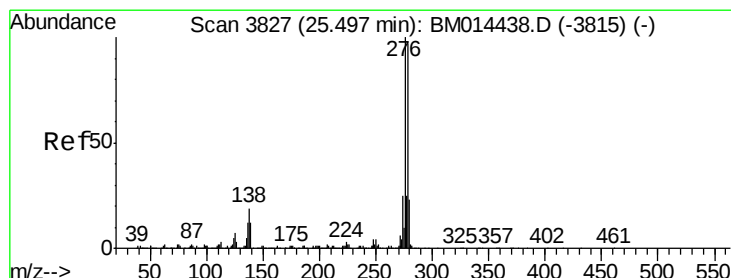
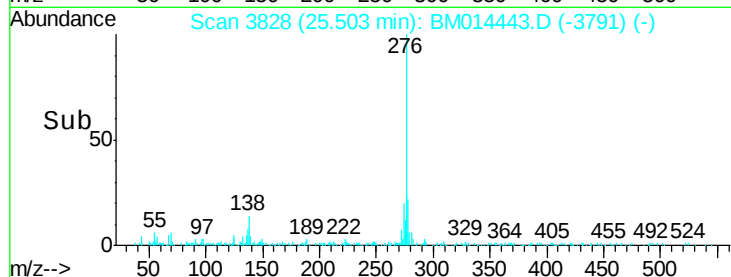
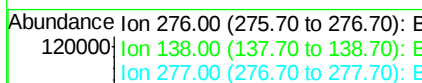
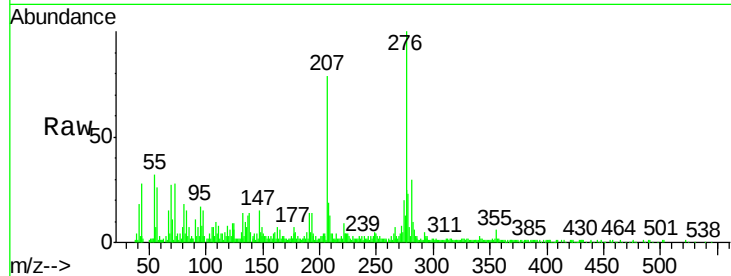
ClientSampleId :

BE5T2

Tot Ion:	276	Resp:	224010
Ion Ratio	Lower	Upper	
276	100		
138	14.5	9.3	13.9#
277	24.8	19.9	29.9

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#90

Dibenzo(a,h)anthracene

Concen: 2.605 ng/ul m

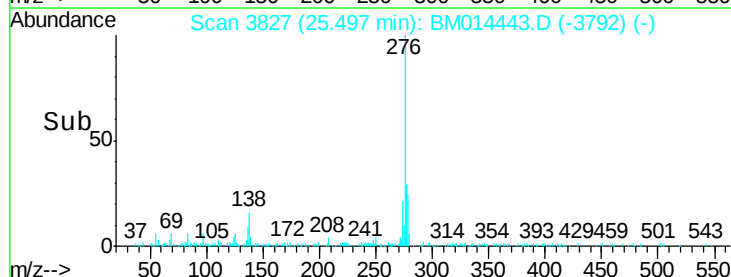
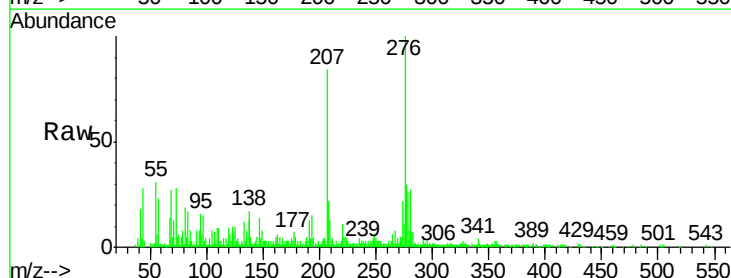
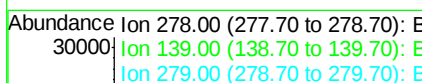
RT: 25.50 min Scan# 3827

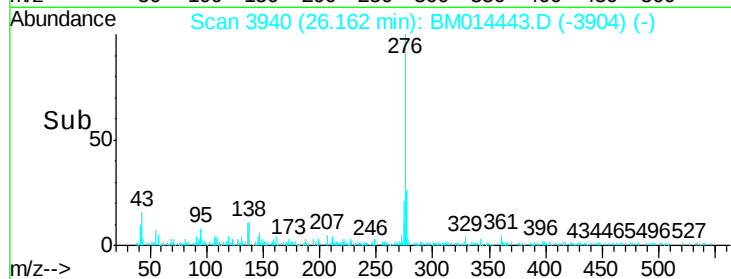
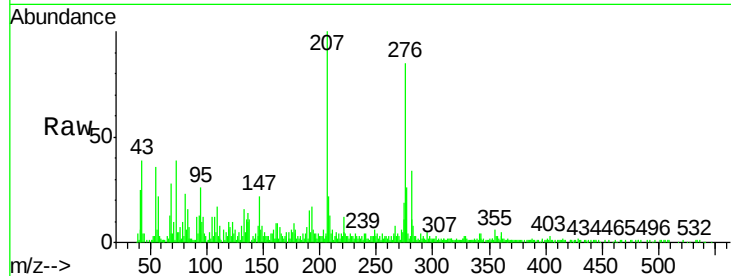
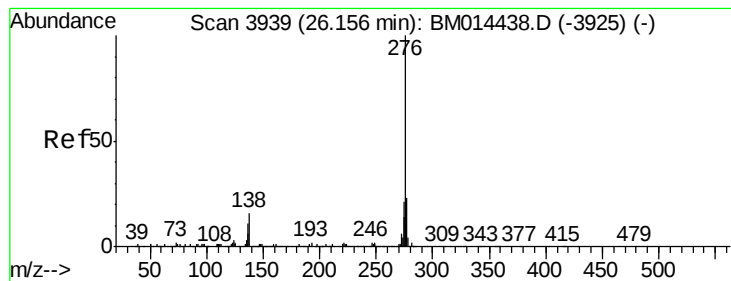
Delta R.T. 0.01 min

Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Tgt Ion:	278	Resp:	68565
Ion Ratio	Lower	Upper	
278	100		
139	19.3	5.8	8.8#
279	30.1	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 6.819 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.01 min

Lab File: BM014443.D

Acq: 01 Mar 2018 21:22

Instrument :

BNA_M

ClientSampleId :

BE5T2

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.9	8.5	12.7#
277	30.4	18.6	28.0#

Manual Integrations
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