

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014425.D
 Acq On : 01 Mar 2018 05:45
 Operator : SJ/JU
 Sample : J1646-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X6

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:15:43 PM

Quant Time: Mar 01 07:28:54 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	148018	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	675020	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	410736	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	896770	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	944929	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	678101	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	14534m	4.20	ng/uL	0.00
5) Phenol-d5	6.72	99	299104	23.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	172166	22.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	236890	24.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	248413	22.69	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	127421	25.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	139529	27.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	257983	24.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	173361	16.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	865945	25.53	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1078774	25.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	107648	22.99	ng/ul	0.01
57) Fluorene-d10	15.18	176	731557	24.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	17798	3.31	ng/ul	0.01
70) Anthracene-d10	17.04	188	1118578	25.85	ng/ul	0.00
76) Pyrene-d10	19.35	212	1268368	26.02	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	846571	25.65	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.75	94	33916	2.584	ng/ul	93
28) Naphthalene	10.33	128	74688	2.154	ng/ul#	95
44) Dimethylphthalate	13.65	163	202208	6.046	ng/ul	97
47) Acenaphthylene	13.89	152	323552	8.184	ng/ul	99
49) Acenaphthene	14.24	153	217934	7.829	ng/ul	97
53) Dibenzofuran	14.58	168	240089	5.752	ng/ul	89
58) Fluorene	15.23	166	376695	10.454	ng/ul	96
69) Phenanthrene	16.99	178	7801612	150.994	ng/ul	99
71) Anthracene	17.07	178	1651669	31.786	ng/ul	99
72) Carbazole	17.36	167	219108	5.015	ng/ul	98
74) Fluoranthene	19.02	202	13390825	216.926	ng/ul#	88
77) Pyrene	19.39	202	11532423	183.645	ng/ul#	88
80) Benzo(a)anthracene	21.14	228	5689431	96.475	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	5323449	143.155	ng/ul#	96
82) Chrysene	21.20	228	4447657	80.845	ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	4439301	97.772	ng/ul#	98
86) Benzo(k)fluoranthene	22.73	252	1499805	34.743	ng/ul#	96
88) Benzo(a)pyrene	23.25	252	2950721	72.725	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.51	276	1534235	38.968	ng/ul#	97
90) Dibenz(a,h)anthracene	25.50	278	466322	14.254	ng/ul#	91
91) Benzo(a,h,i)perylene	26.17	276	1079841	33.857	ng/ul#	93

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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

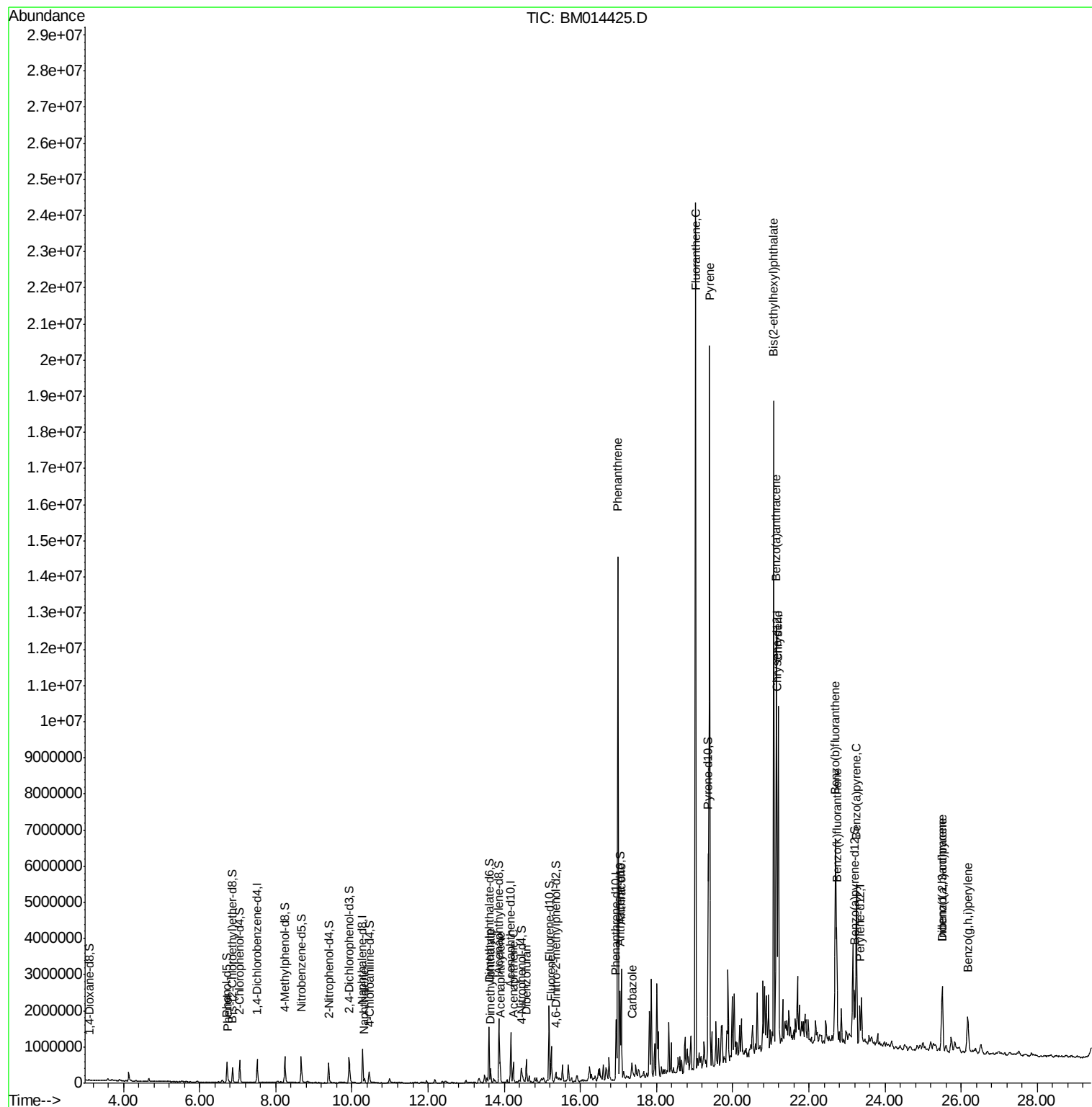
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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Sample : J1646-12
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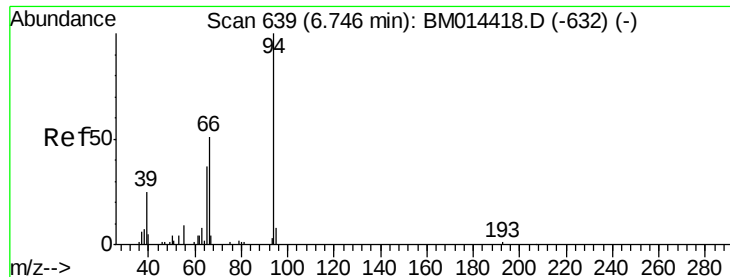
Instrument :
BNA_M
ClientSampleId :
BE5X6

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#6

Phenol

Concen: 2.584 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

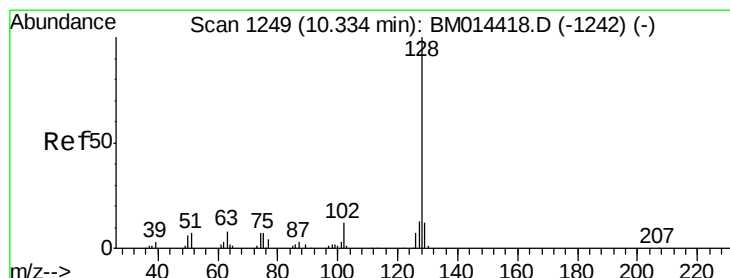
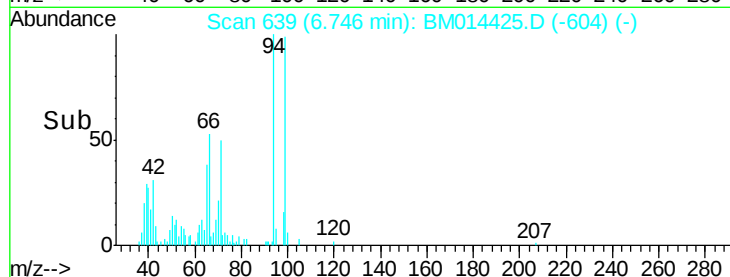
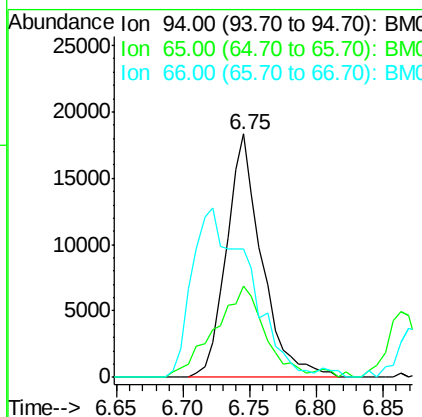
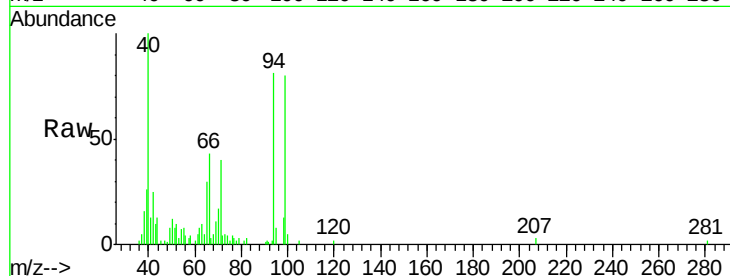
ClientSampled :

BE5X6

Tot Ion:	94	Resp:	33916
Ion	Ratio	Lower	Upper
94	100		
65	37.6	28.2	42.4
66	52.9	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 2.154 ng/ul

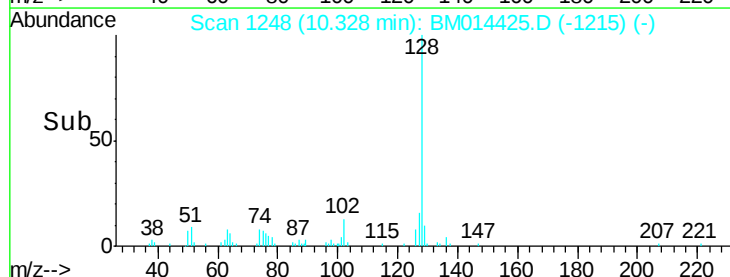
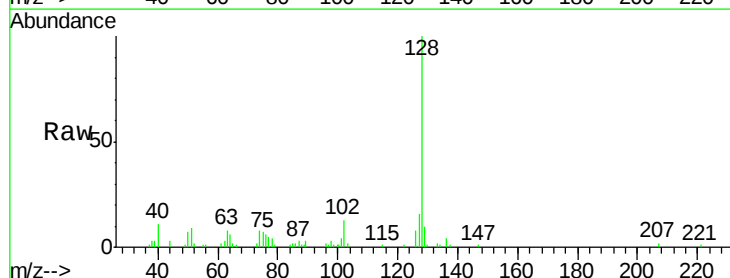
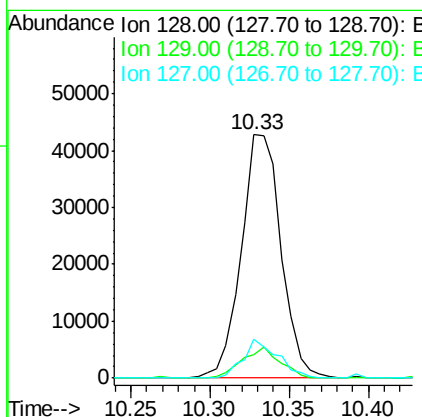
RT: 10.33 min Scan# 1248

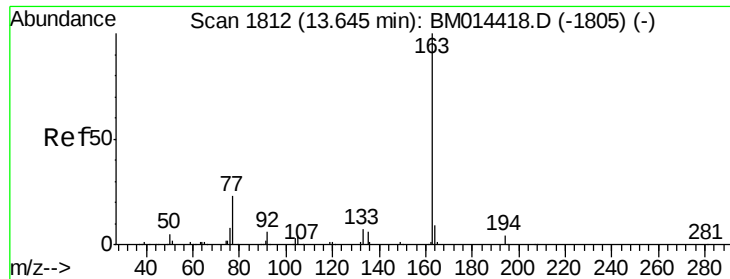
Delta R.T. -0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Tgt Ion:	128	Resp:	74688
Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.8	13.2
127	16.1	10.6	16.0#





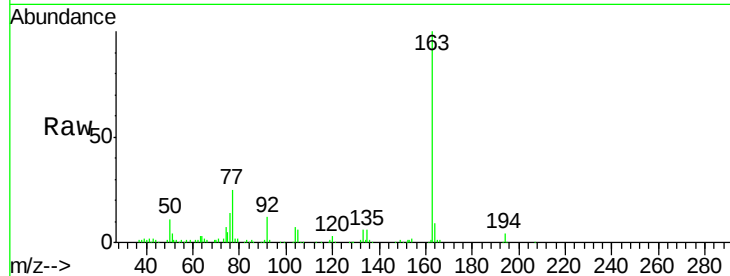
#44
Dimethylphthalate
Concen: 6.046 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014425.D
Acq: 01 Mar 2018 05:45

Instrument :
BNA_M
ClientSampled :
BE5X6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	202208		
194	3.7		3.5	5.3
164	9.0		8.2	12.4

Manual Integrations
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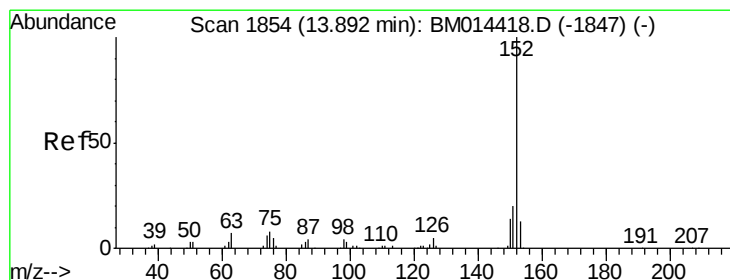
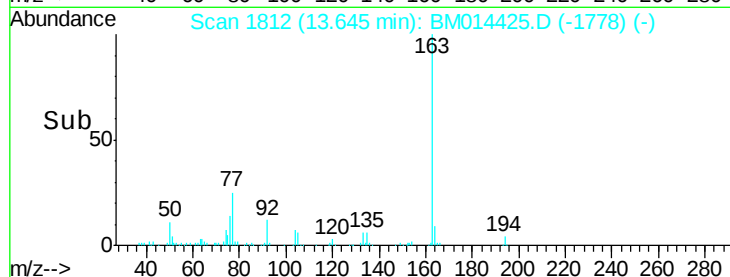
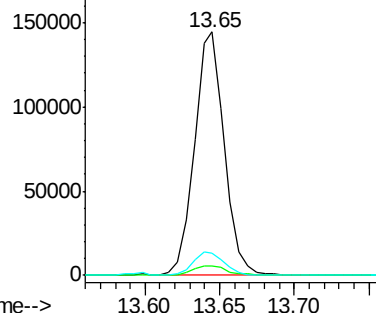


Abundance

Ion 163.00 (162.70 to 163.70): E

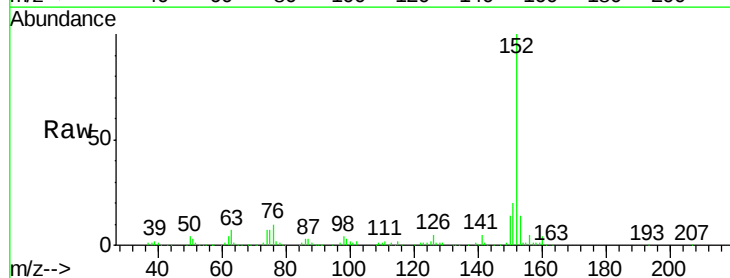
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47
Acenaphthylene
Concen: 8.184 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM014425.D
Acq: 01 Mar 2018 05:45

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	323552		
151	20.5		16.3	24.5
153	13.7		10.2	15.4

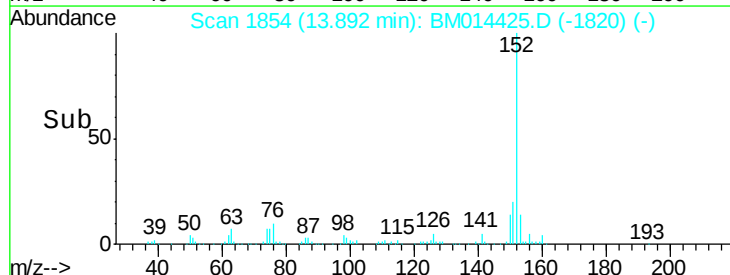
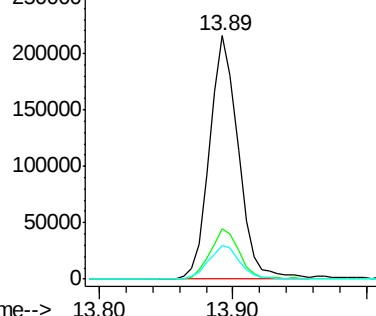


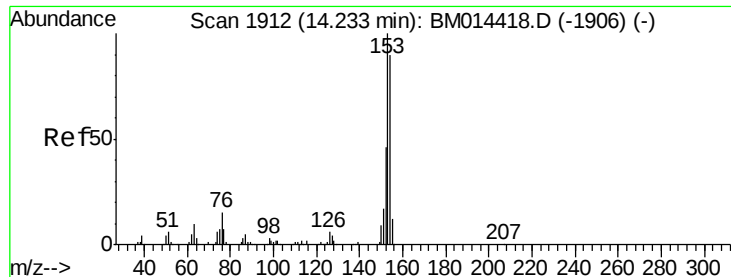
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 7.829 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

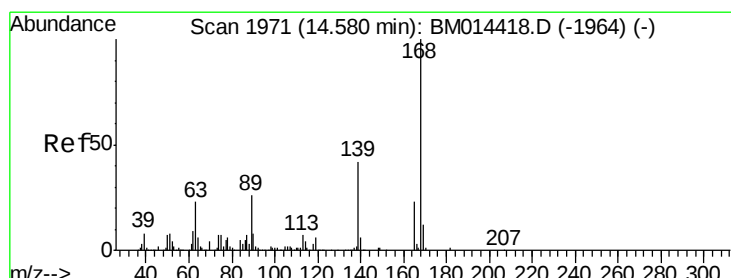
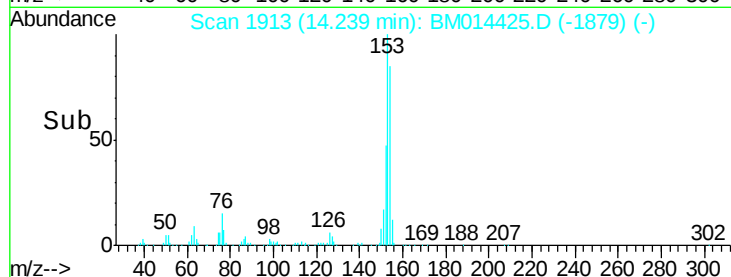
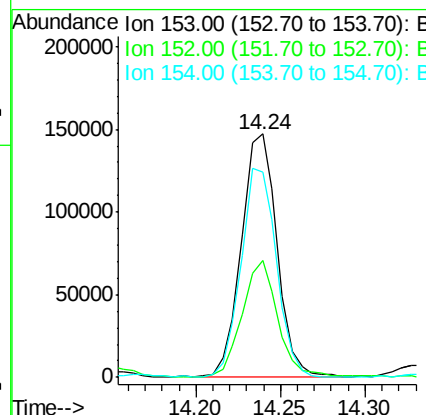
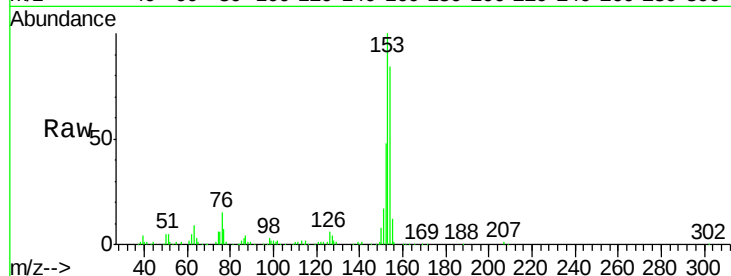
ClientSampleId :

BE5X6

Tot Ion:	153	Resp:	217934
Ion Ratio	Lower	Upper	
153	100		
152	47.8	37.6	56.4
154	84.4	70.4	105.6

Manual Integrations
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#53

Dibenzofuran

Concen: 5.752 ng/ul

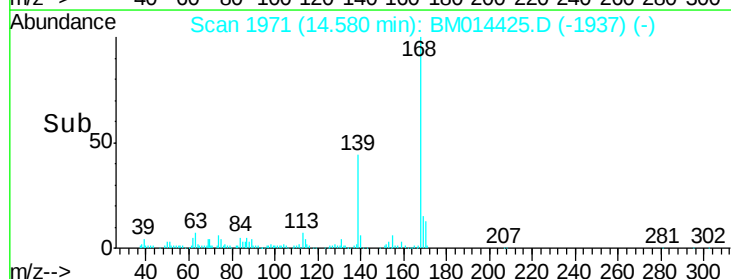
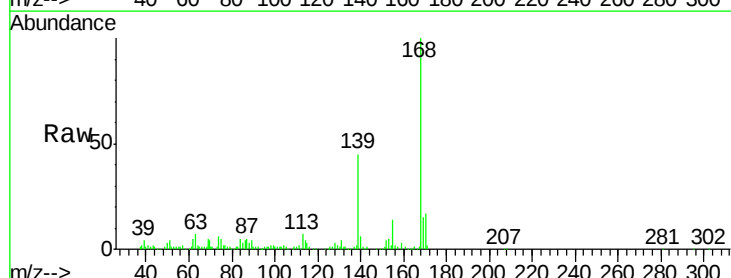
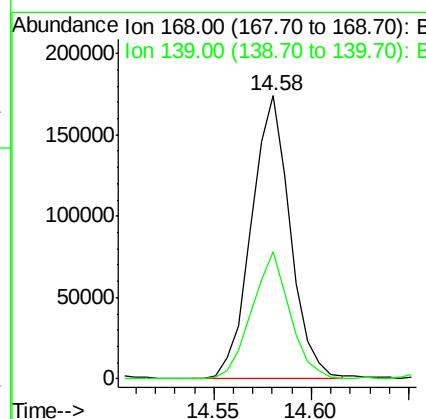
RT: 14.58 min Scan# 1971

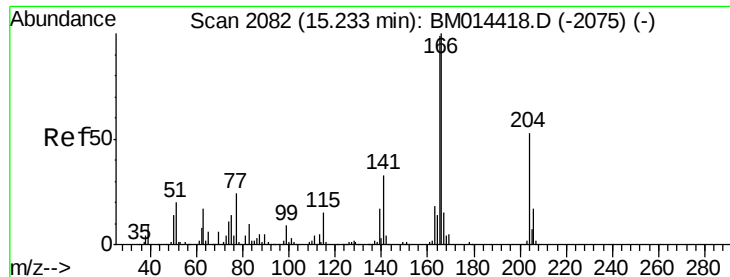
Delta R.T. 0.00 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Tgt Ion:	168	Resp:	240089
Ion Ratio	Lower	Upper	
168	100		
139	45.0	30.8	46.2





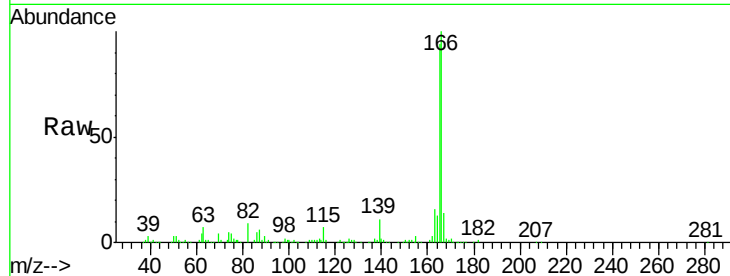
#58
Fluorene
 Concen: 10.454 ng/ul
 RT: 15.23 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM014425.D
 Acq: 01 Mar 2018 05:45

Instrument :
 BNA_M
 ClientSampleId :
 BE5X6

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.7	77.9	116.9
167	14.4	10.6	16.0

Manual Integrations
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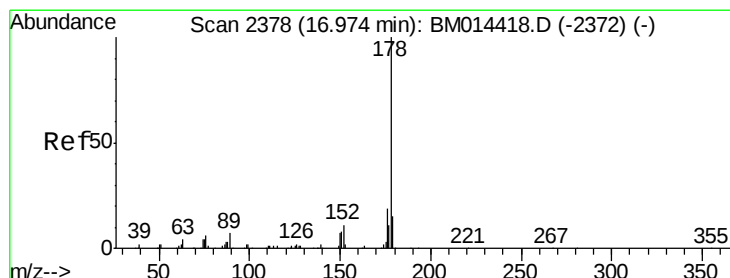
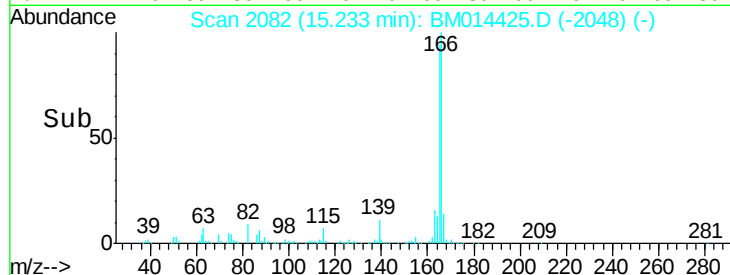
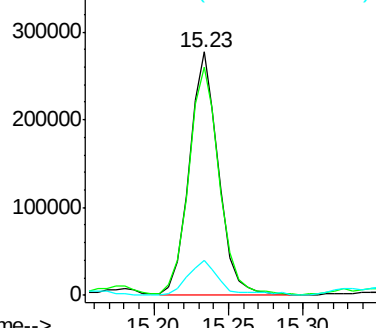


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69
Phenanthrene
 Concen: 150.994 ng/ul
 RT: 16.99 min Scan# 2380
 Delta R.T. 0.01 min
 Lab File: BM014425.D
 Acq: 01 Mar 2018 05:45

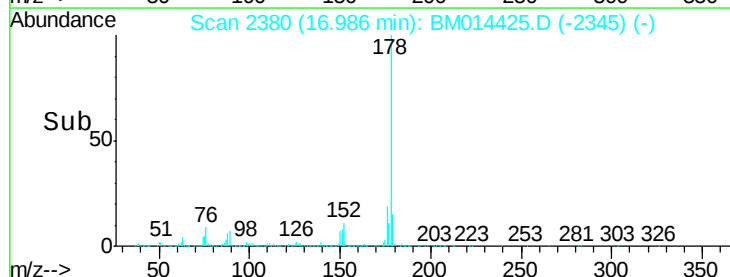
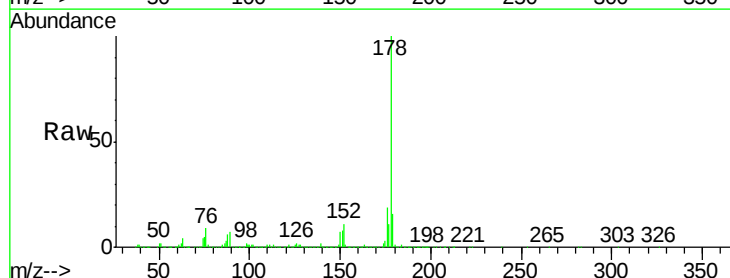
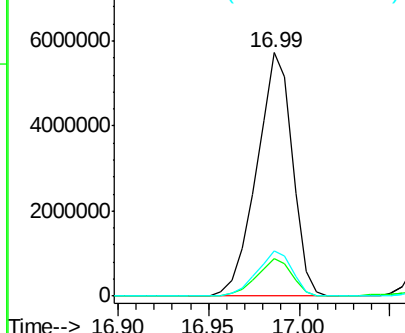
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	18.8	14.9	22.3

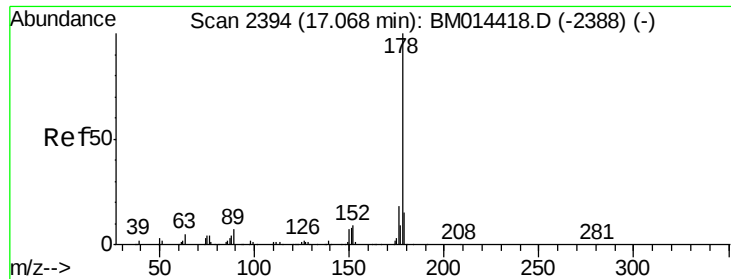
Abundance

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: 31.786 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.01 min
 Lab File: BM014425.D
 Acq: 01 Mar 2018 05:45

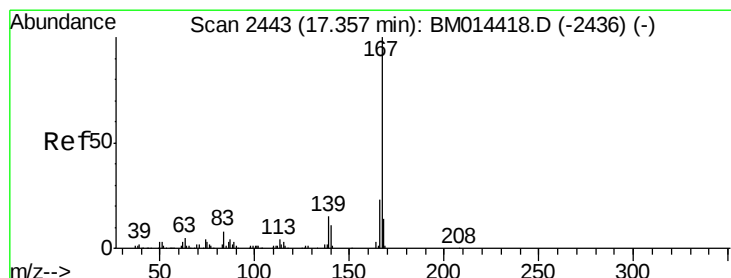
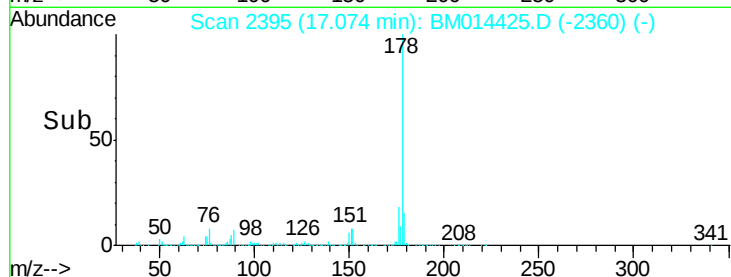
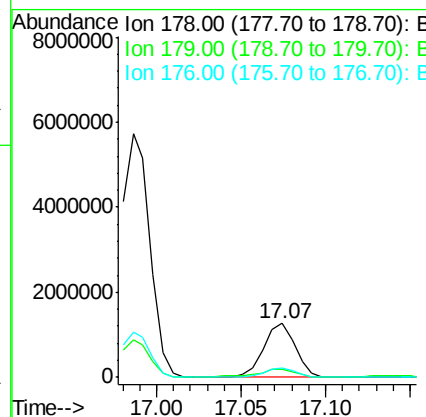
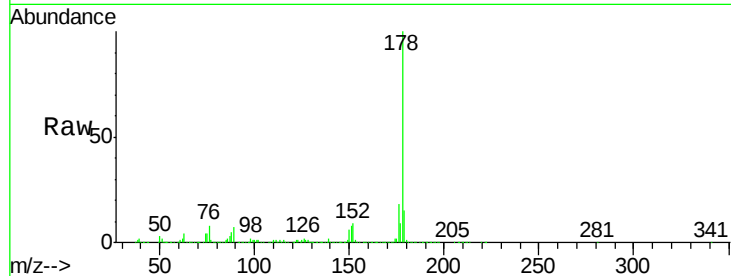
Instrument :
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Tot Ion:178 Resp: 1651669

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	18.0	14.6	21.8

Manual Integrations
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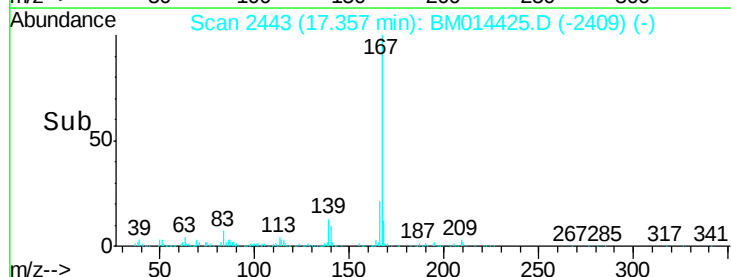
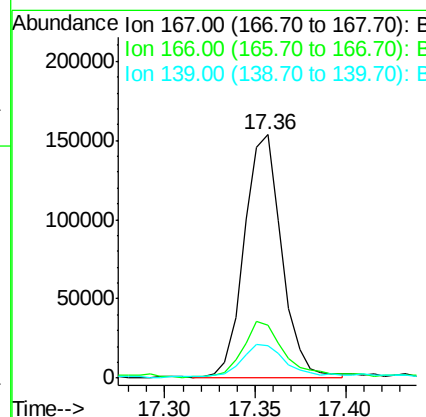
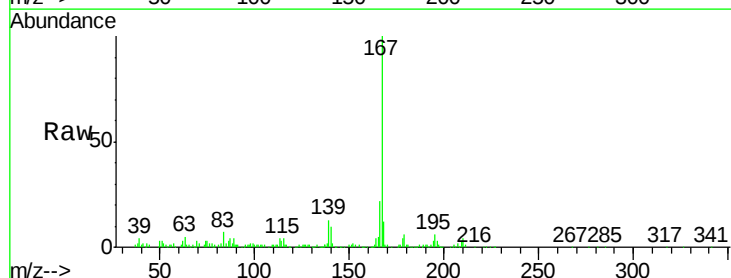
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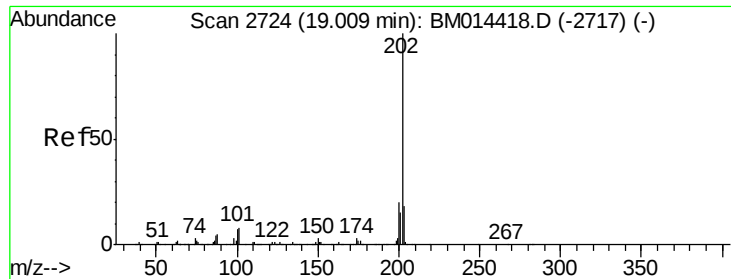


#72
 Carbazole
 Concen: 5.015 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014425.D
 Acq: 01 Mar 2018 05:45

Tgt Ion:167 Resp: 219108

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.1	25.7
139	13.4	10.0	15.0





#74

Fluoranthene

Concen: 216.926 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampleId :

BE5X6

Tot Ion:202 Resp:13390825

Ion Ratio Lower Upper

202 100

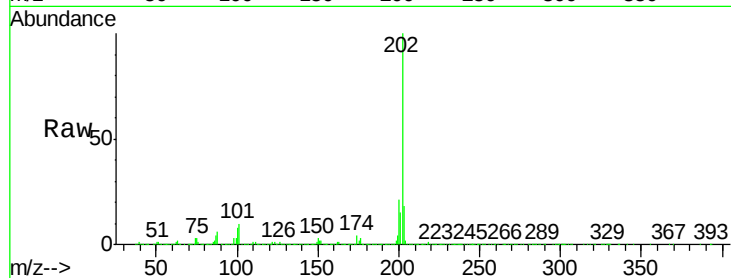
101 10.1 4.6 7.0#

100 8.0 3.4 5.2#

Manual Integrations
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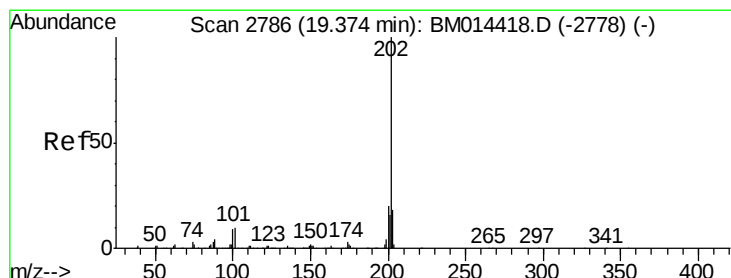
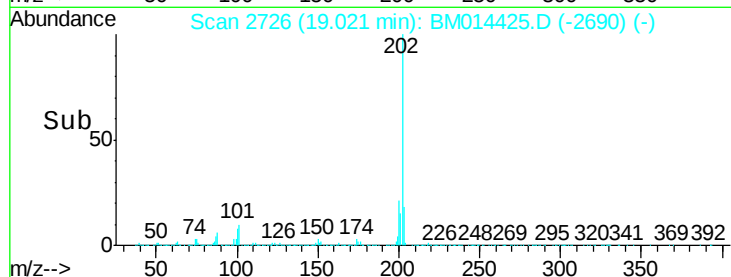
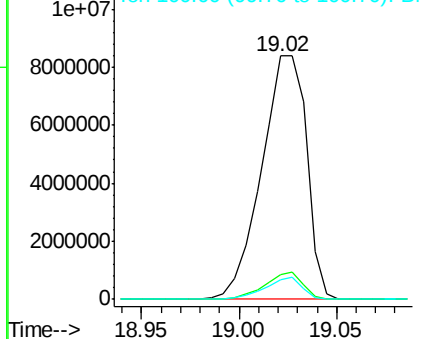
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 183.645 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.02 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Tgt Ion:202 Resp:11532423

Ion Ratio Lower Upper

202 100

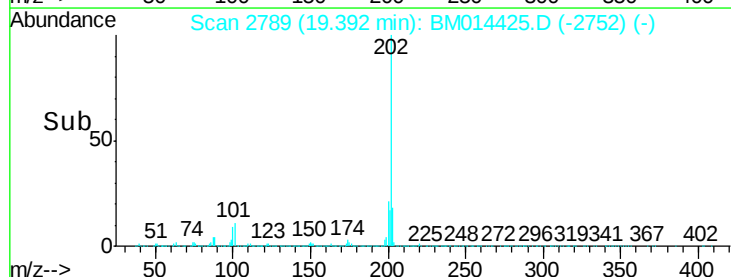
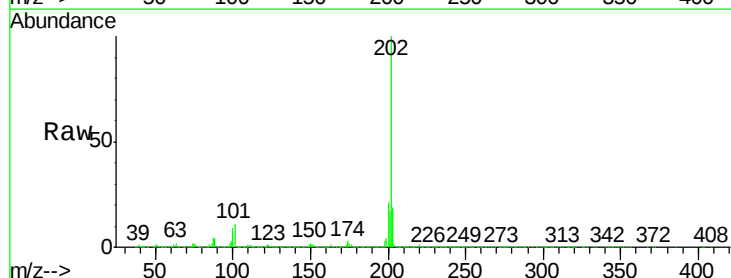
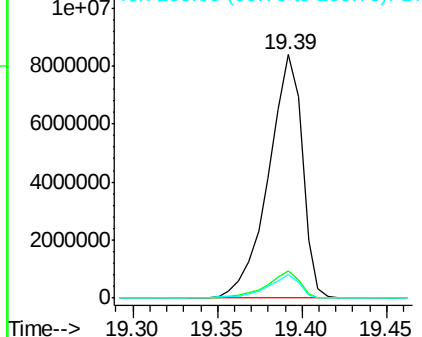
101 11.1 5.1 7.7#

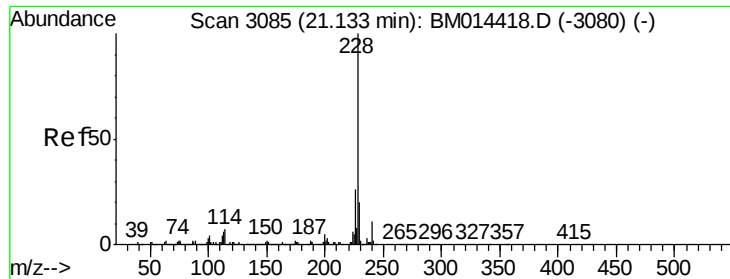
100 9.4 4.9 7.3#

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: 96.475 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampleId :

BE5X6

Tot Ion:228 Resp: 5689431

Ion Ratio Lower Upper

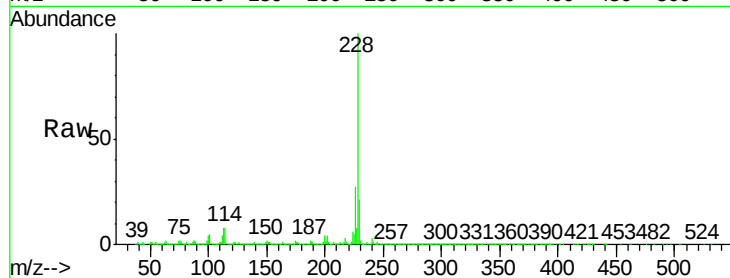
228 100

229 20.6 15.4 23.0

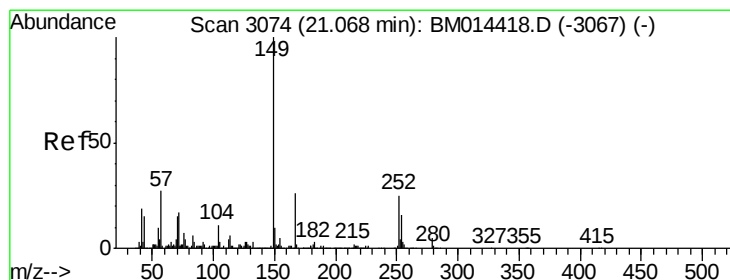
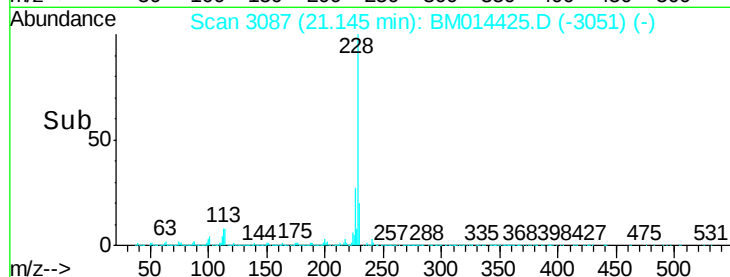
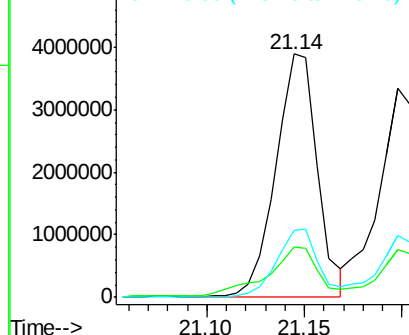
226 27.3 21.4 32.0

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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



#81

Bis(2-ethylhexyl)phthalate

Concen: 143.155 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

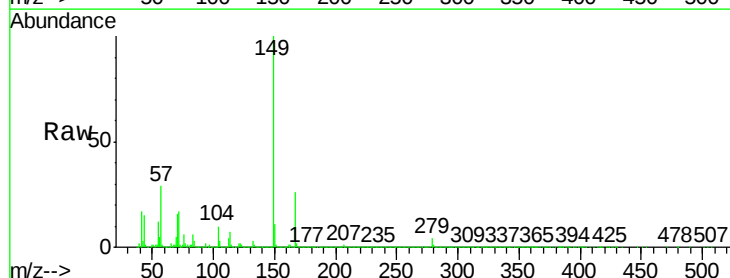
Tgt Ion:149 Resp: 5323449

Ion Ratio Lower Upper

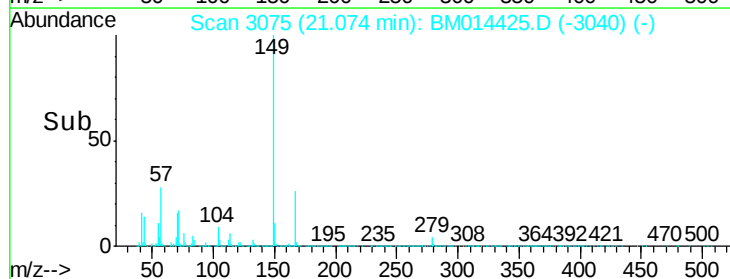
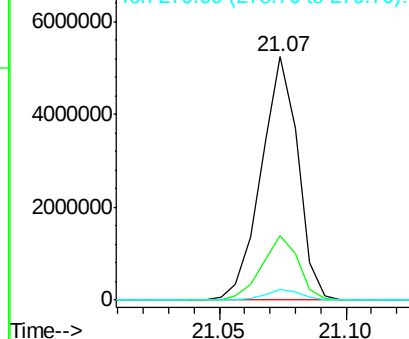
149 100

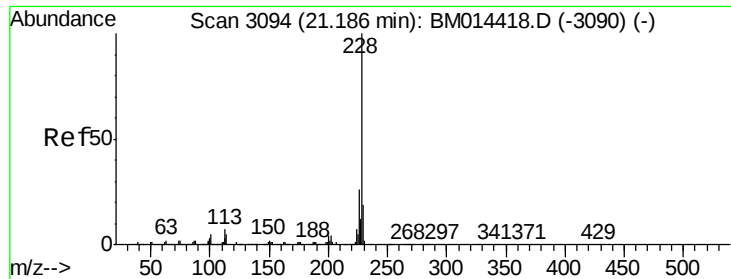
167 26.3 22.8 34.2

279 4.2 4.9 7.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 80.845 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampled :

BE5X6

Tot Ion:228 Resp: 4447657

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	22.6	15.5	23.3

228 100

226 29.4 23.4 35.2

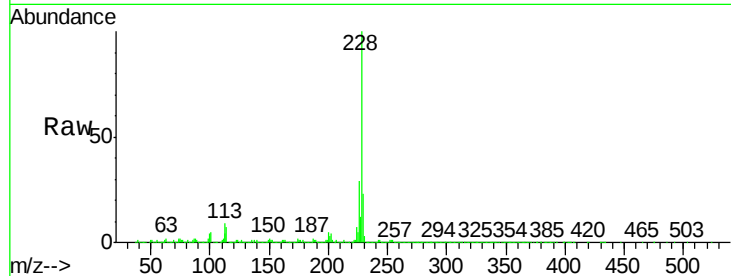
229 22.6 15.5 23.3

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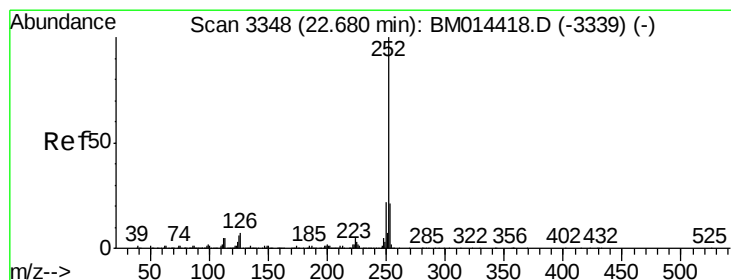
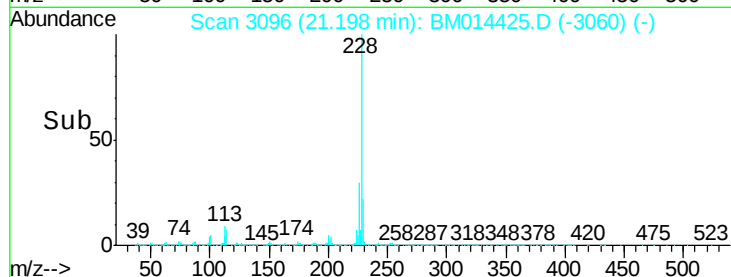
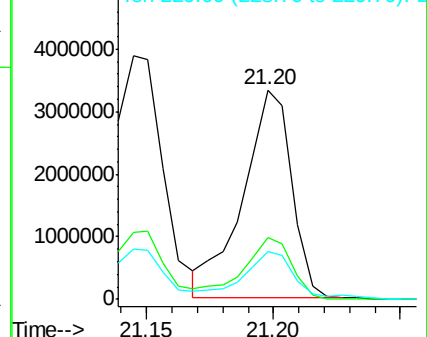


Abundance

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: 97.772 ng/ul

RT: 22.70 min Scan# 3351

Delta R.T. 0.02 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

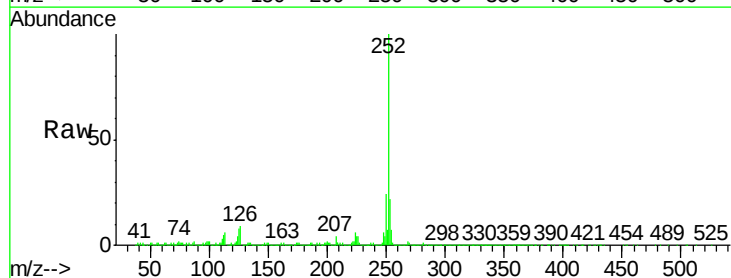
Tgt Ion:252 Resp: 4439301

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	7.5	3.6	5.4

252 100

253 22.3 17.9 26.9

125 7.5 3.6 5.4#

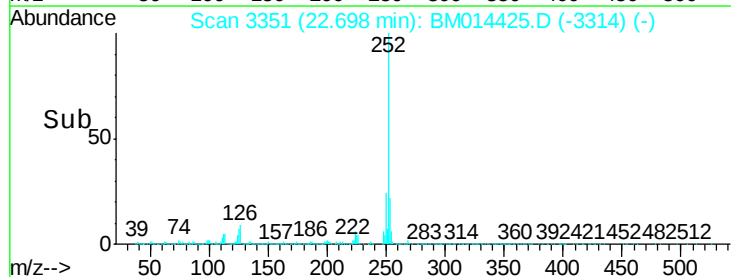
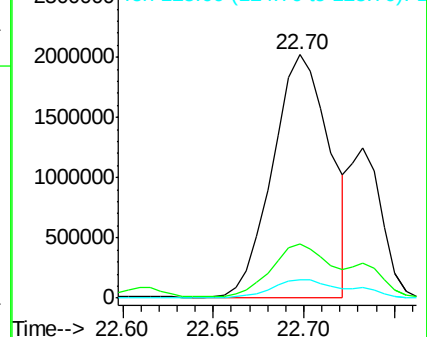


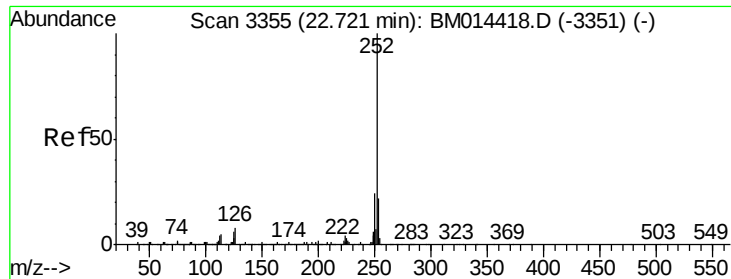
Abundance

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





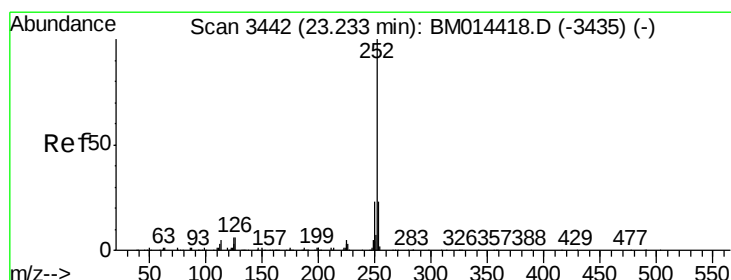
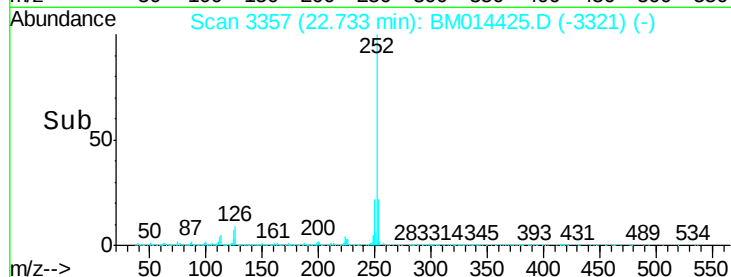
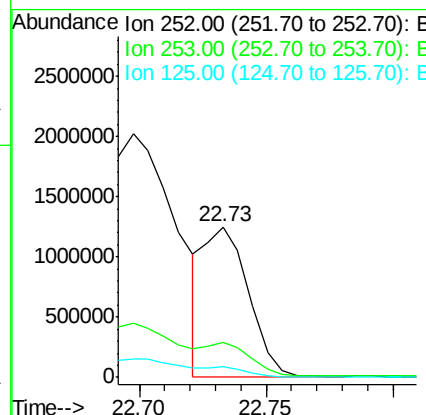
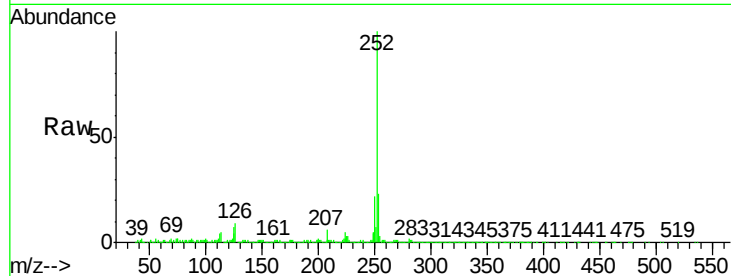
#86
Benzo(k)fluoranthene
Concen: 34.743 ng/ul
RT: 22.73 min Scan# 3357
Delta R.T. 0.01 min
Lab File: BM014425.D
Acq: 01 Mar 2018 05:45

Instrument :
BNA_M
ClientSampleId :
BE5X6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	6.9	3.4	5.2

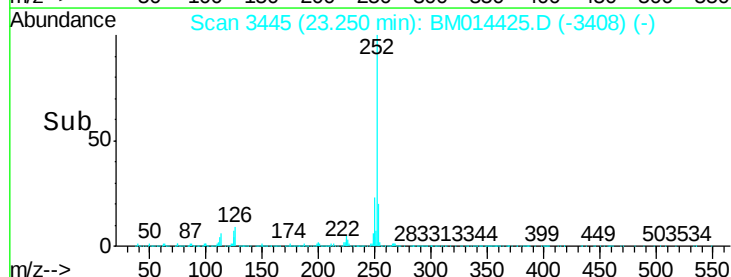
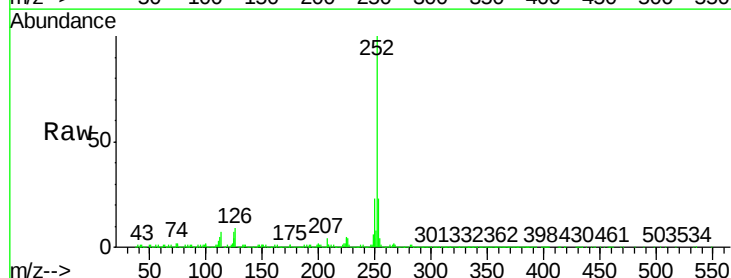
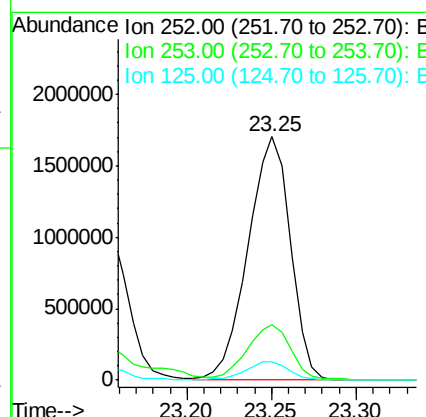
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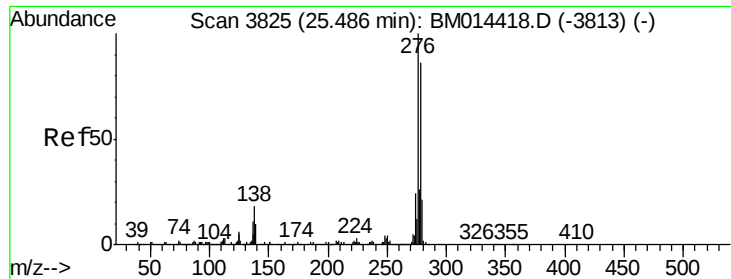
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#88
Benzo(a)pyrene
Concen: 72.725 ng/ul
RT: 23.25 min Scan# 3445
Delta R.T. 0.02 min
Lab File: BM014425.D
Acq: 01 Mar 2018 05:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	7.3	4.0	6.0





#89

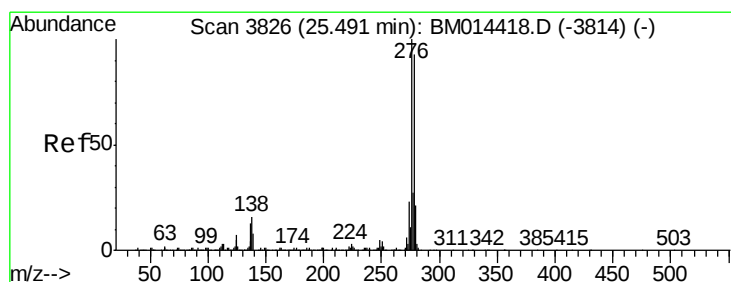
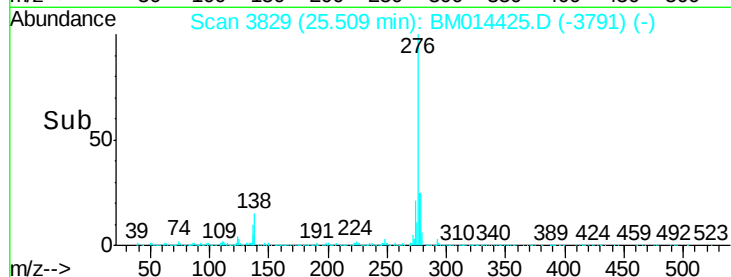
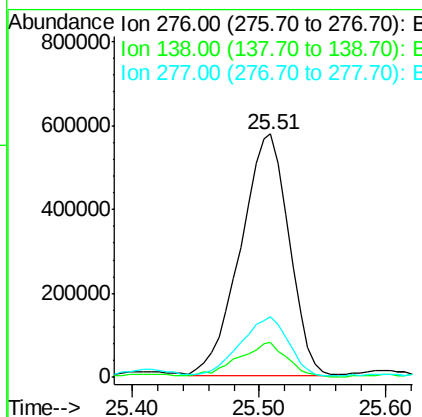
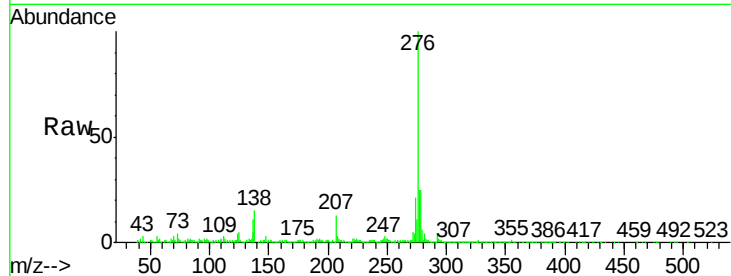
Indeno(1,2,3-cd)pyrene
Concen: 38.968 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. 0.02 min
Lab File: BM014425.D
Acq: 01 Mar 2018 05:45

Instrument :
BNA_M
ClientSampled :
BE5X6

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.6	9.3	13.9#
277	24.7	19.9	29.9

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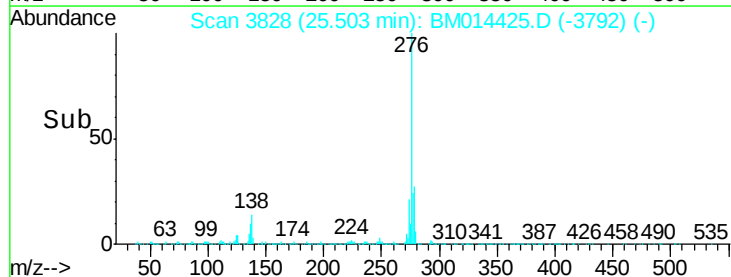
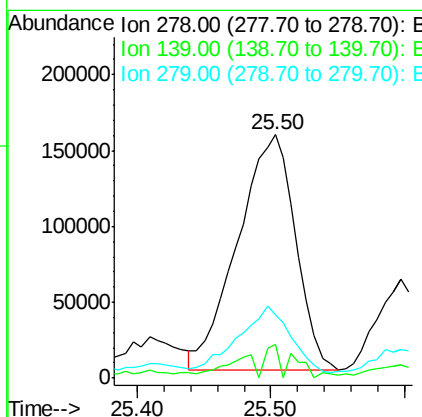
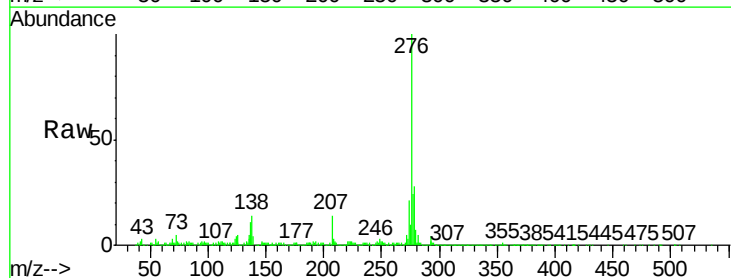
Sohil
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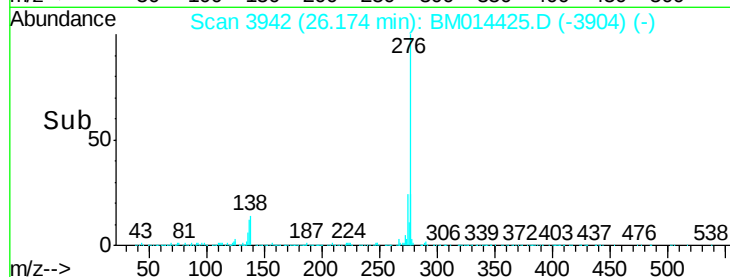
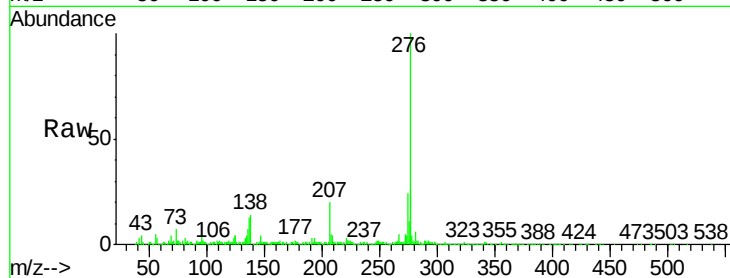
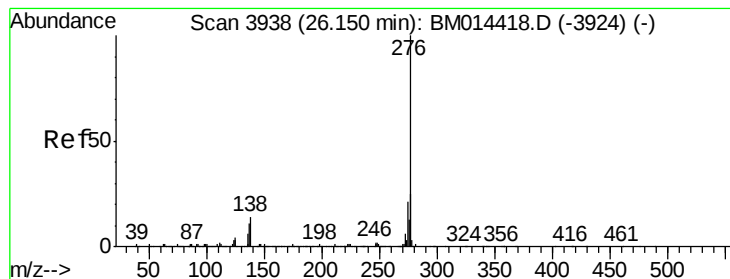


#90

Dibenzo(a,h)anthracene
Concen: 14.254 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. 0.01 min
Lab File: BM014425.D
Acq: 01 Mar 2018 05:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.7	5.8	8.8#
279	26.1	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 33.857 ng/ul

RT: 26.17 min Scan# 3942

Delta R.T. 0.02 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.3	8.5	12.7#
277	25.8	18.6	28.0

Instrument :

BNA_M

ClientSampleId :

BE5X6

Manual Integrations
APPROVED

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3/1/2018 5:15:43 PM

