

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014397.D
 Acq On : 28 Feb 2018 11:00
 Operator : SJ/JU
 Sample : J1646-10 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X4DL

Quant Time: Feb 28 15:53:44 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 12:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	101374	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	426808	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	238290	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	500621	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	512014	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	488077	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	5738	2.42	ng/uL	0.00
5) Phenol-d5	6.72	99	124479	14.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	71841	13.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	97509	14.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	100584	13.42	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	51556	16.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	56728	17.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	99071	14.65	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	92455	13.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	327556	16.65	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	411991	16.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	11934	4.39	ng/ul	0.04
57) Fluorene-d10	15.18	176	276195	15.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	18925	6.30	ng/ul	0.01
70) Anthracene-d10	17.04	188	411585	17.04	ng/ul	0.00
76) Pyrene-d10	19.34	212	464191	17.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	398530	16.78	ng/ul	0.00

Target Compounds

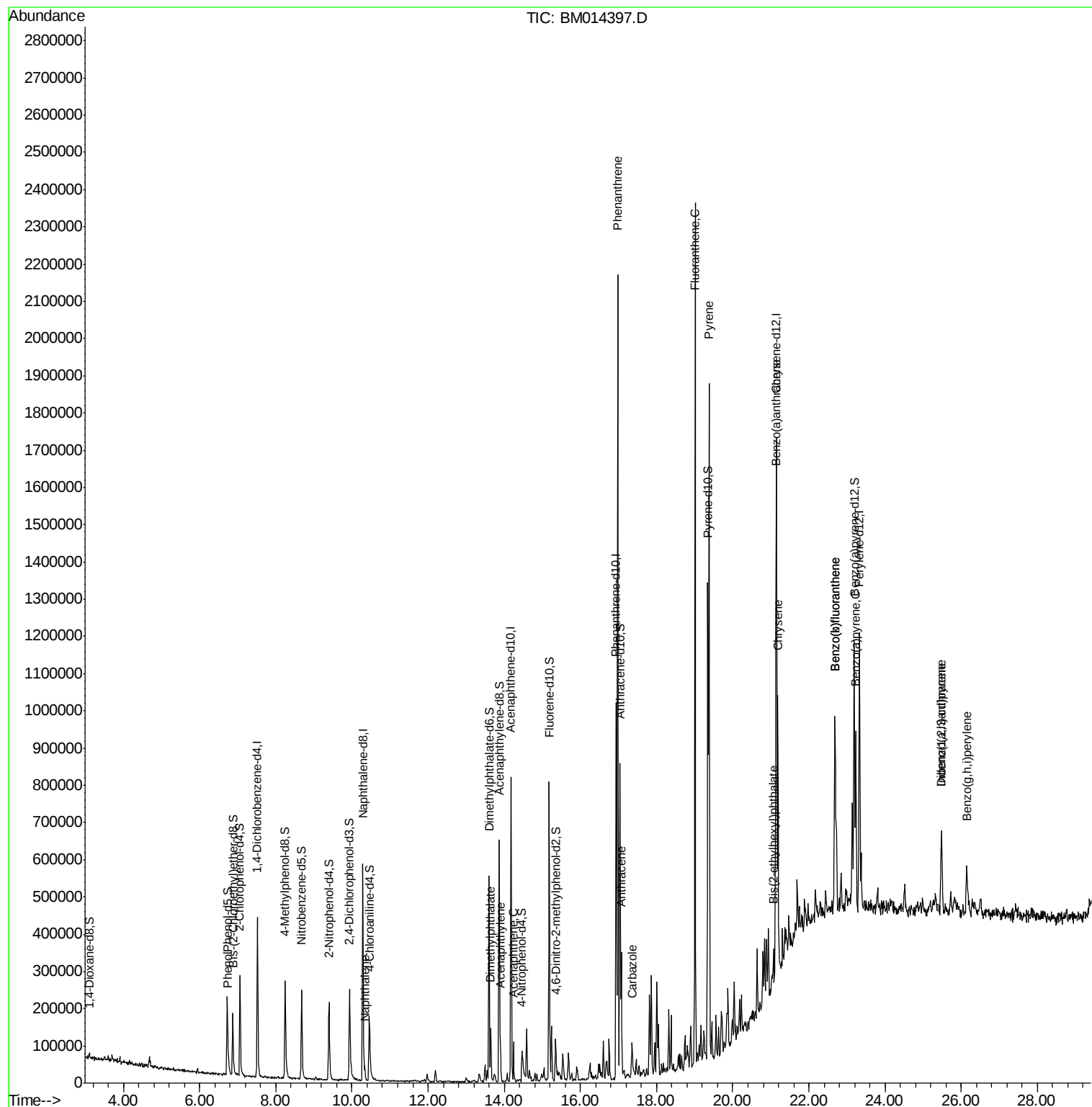
				Ovalue	
6) Phenol	6.75	94	12934	1.439	ng/ul# 80
28) Naphthalene	10.34	128	24981	1.140	ng/ul# 95
44) Dimethylphthalate	13.65	163	79622	4.103	ng/ul 98
47) Acenaphthylene	13.90	152	70662	3.081	ng/ul# 94
49) Acenaphthene	14.24	153	39105	2.421	ng/ul 96
69) Phenanthrene	16.98	178	1132567	39.266	ng/ul 99
71) Anthracene	17.07	178	187421	6.461	ng/ul 98
72) Carbazole	17.36	167	49862	2.044	ng/ul# 94
74) Fluoranthene	19.01	202	1224062	35.521	ng/ul# 92
77) Pyrene	19.37	202	1067890	31.384	ng/ul# 93
80) Benzo(a)anthracene	21.13	228	418088	13.084	ng/ul 99
81) Bis(2-ethylhexyl)phthalate	21.07	149	28537	1.416	ng/ul 99
82) Chrysene	21.19	228	373294	12.523	ng/ul 98
85) Benzo(b)fluoranthene	22.69	252	420707	12.873	ng/ul# 96
86) Benzo(k)fluoranthene	22.69	252	420707	13.540	ng/ul# 94
88) Benzo(a)pyrene	23.23	252	300503	10.290	ng/ul# 94
89) Indeno(1,2,3-cd)pyrene	25.49	276	183151	6.463	ng/ul# 96
90) Dibenzo(a,h)anthracene	25.49	278	49355	2.096	ng/ul# 93
91) Benzo(g,h,i)perylene	26.14	276	130712	5.694	ng/ul 97

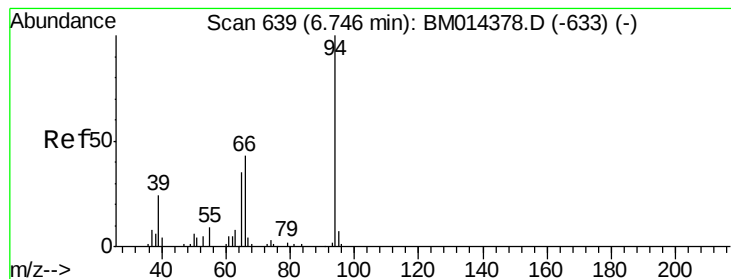
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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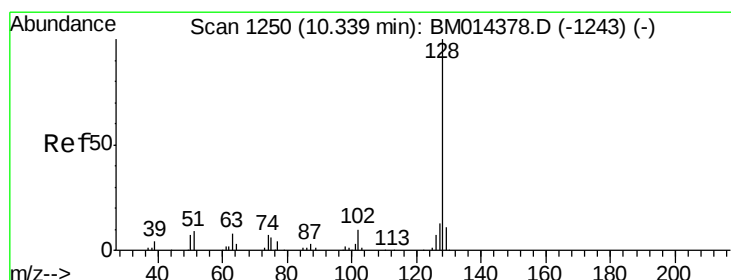
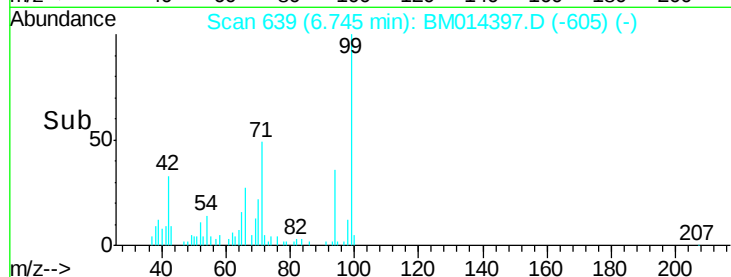
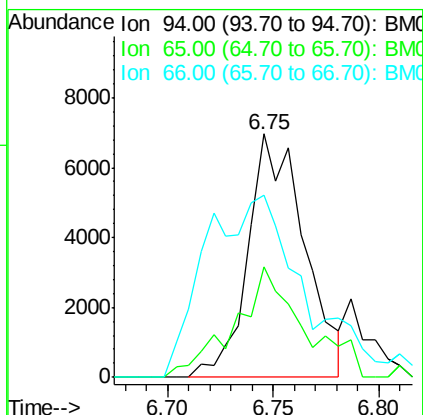
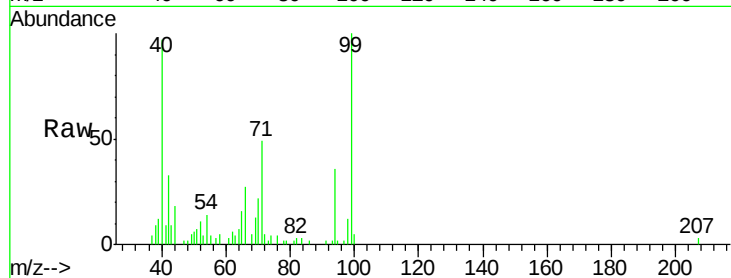
#6

Phenol

Concen: 1.439 ng/ul
 RT: 6.75 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BM014397.D
 Acq: 28 Feb 2018 11:00

Instrument :
 BNA_M
 ClientSampleId :
 BE5X4DL

Tot Ion	Ratio	Lower	Upper
94	100		
65	45.2	28.2	42.4#
66	74.9	47.2	70.8#

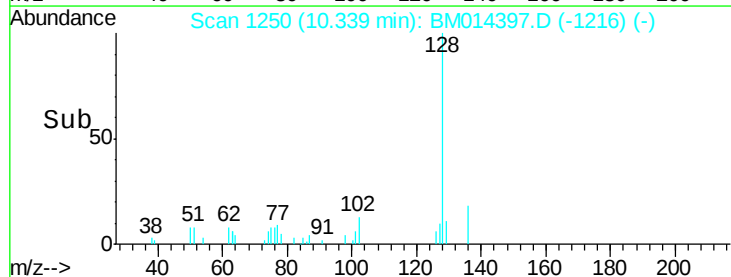
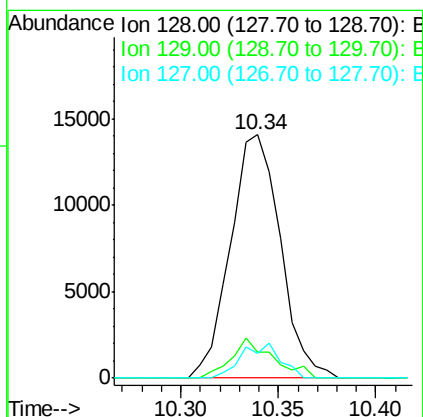
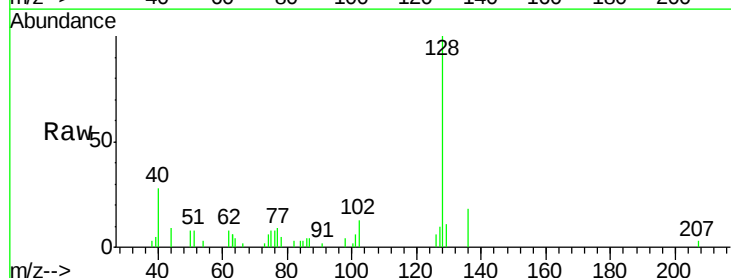


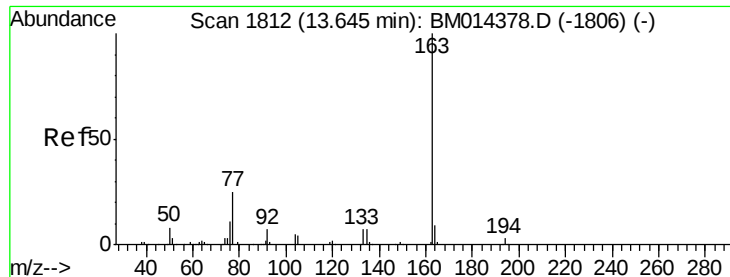
#28

Naphthalene

Concen: 1.140 ng/ul
 RT: 10.34 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BM014397.D
 Acq: 28 Feb 2018 11:00

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	10.1	10.6	16.0#

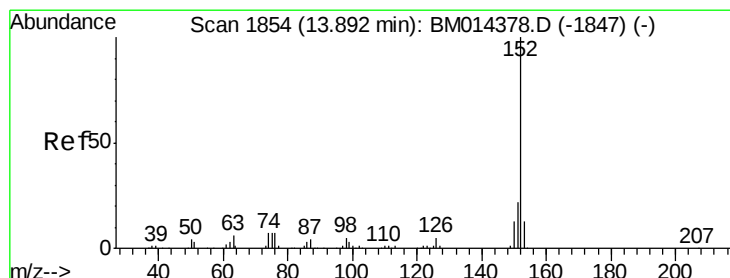
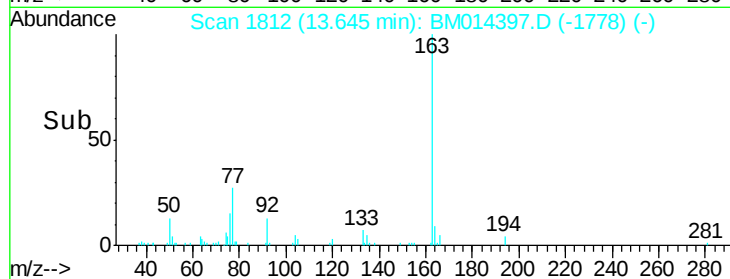
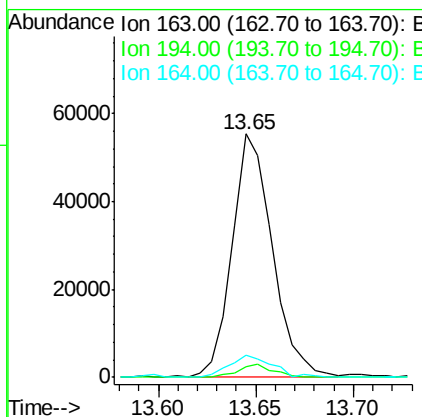
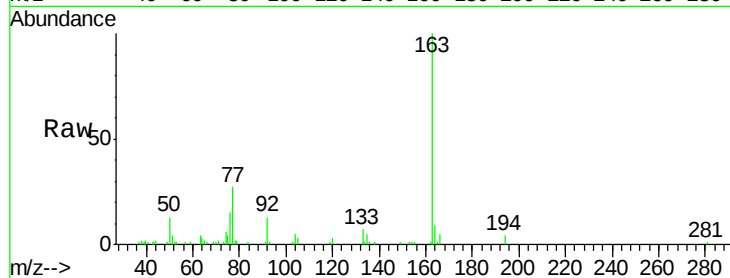




#44
Dimethylphthalate
Concen: 4.103 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

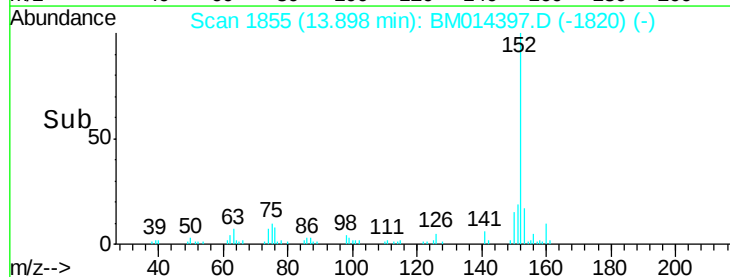
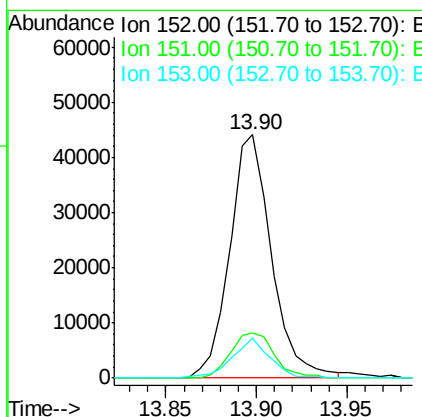
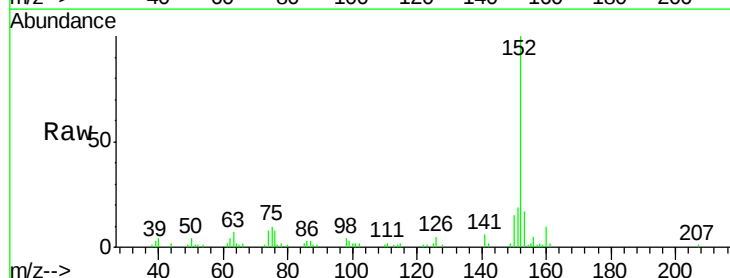
Instrument :
BNA_M
ClientSampleId :
BE5X4DL

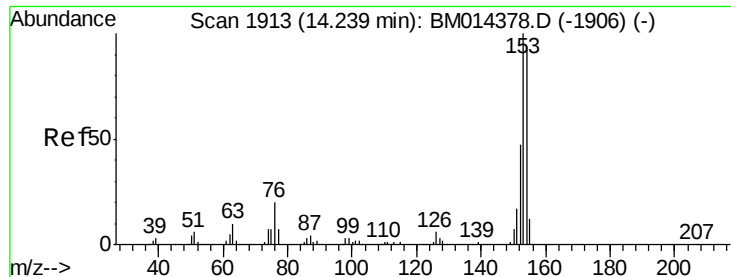
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.3	8.2	12.4



#47
Acenaphthylene
Concen: 3.081 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.3	24.5
153	16.6	10.2	15.4





#49

Acenaphthene

Concen: 2.421 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

ClientSampleId :

BE5X4DL

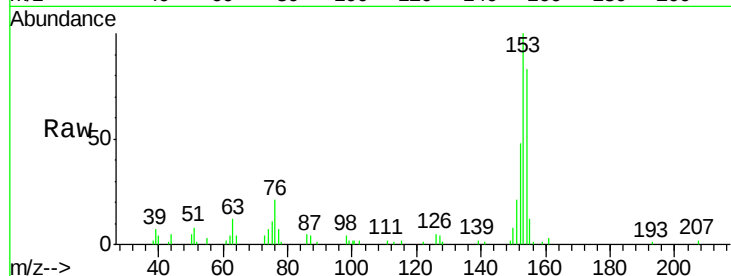
Tot Ion:153 Resp: 39105

Ion Ratio Lower Upper

153 100

152 47.7 37.6 56.4

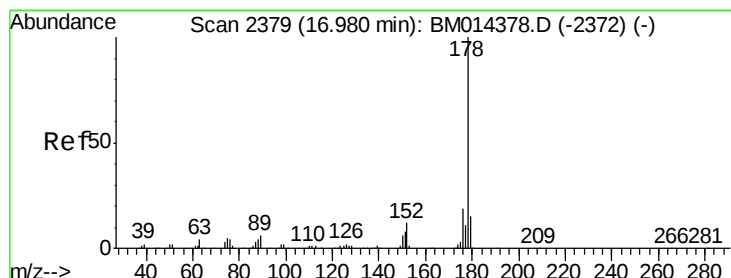
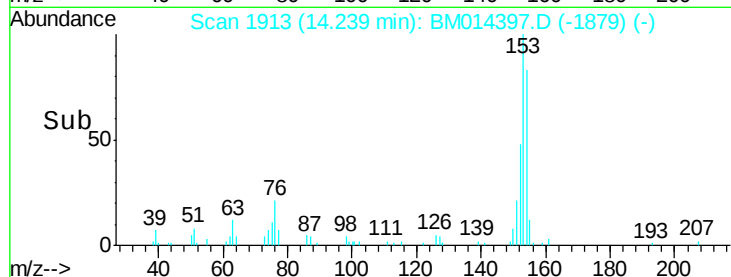
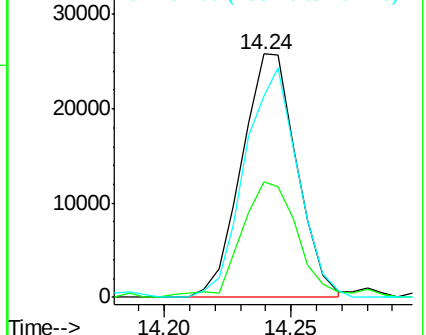
154 82.6 70.4 105.6



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



#69

Phenanthrene

Concen: 39.266 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

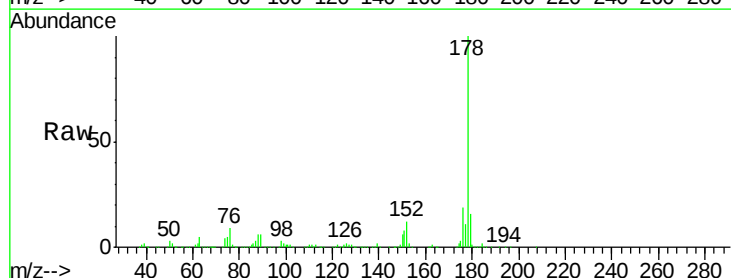
Tgt Ion:178 Resp: 1132567

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

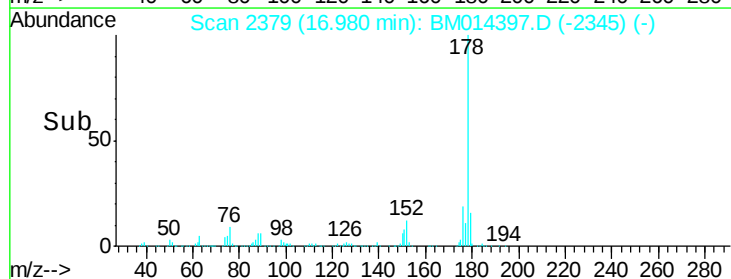
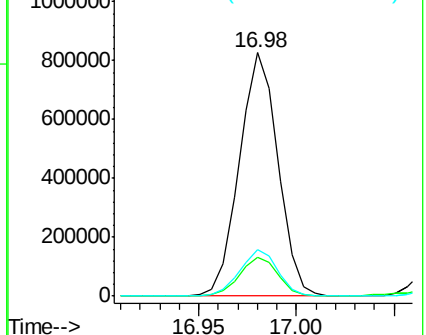
176 19.0 14.9 22.3

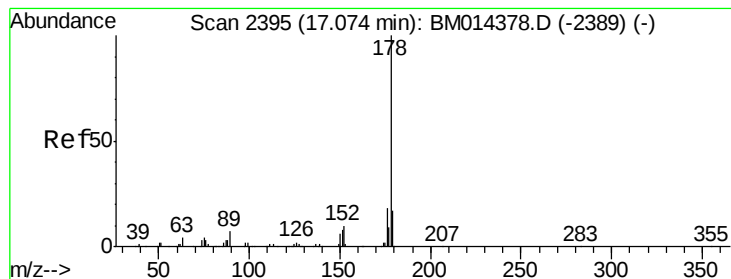


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 6.461 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

ClientSampleId :

BE5X4DL

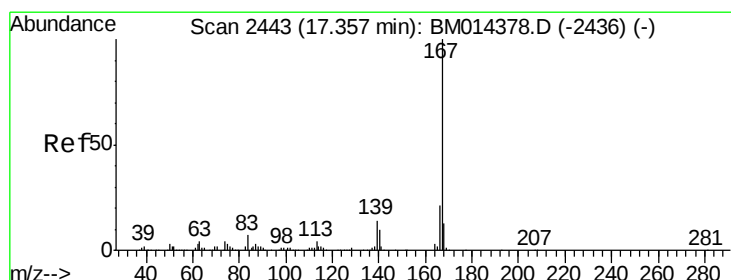
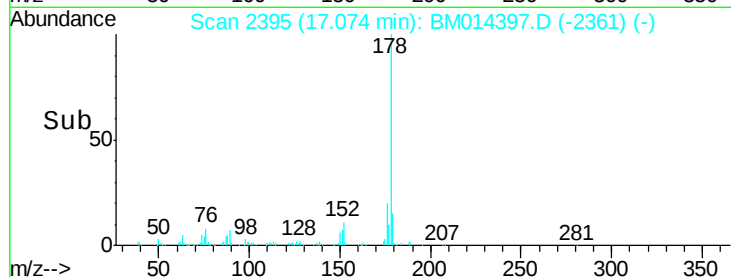
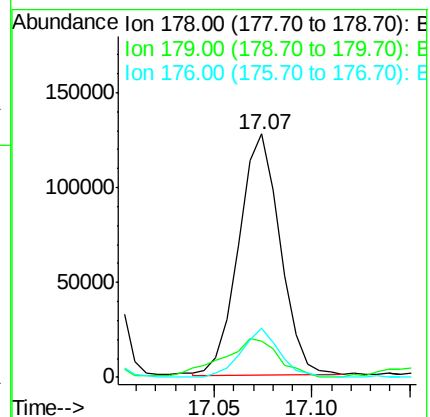
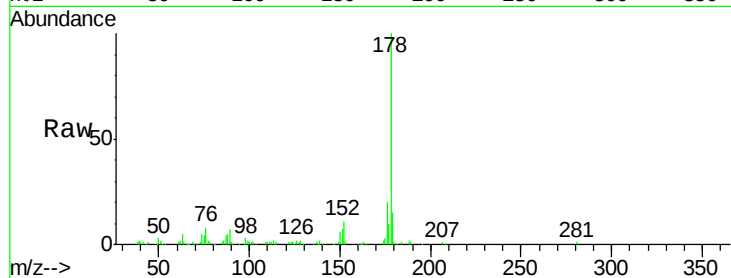
Tot Ion:178 Resp: 187421

Ion Ratio Lower Upper

178 100

179 14.6 11.7 17.5

176 19.9 14.6 21.8



#72

Carbazole

Concen: 2.044 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

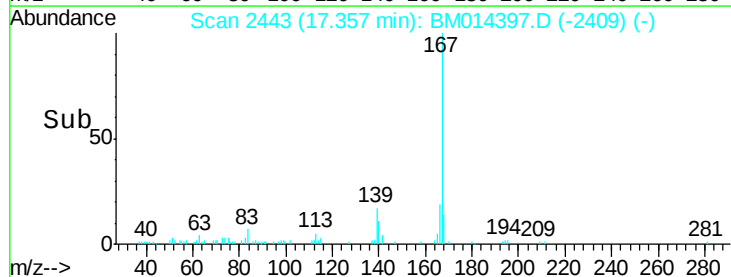
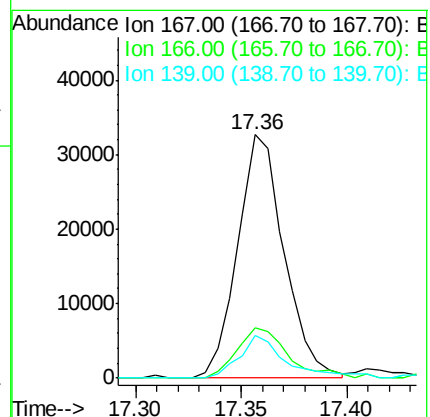
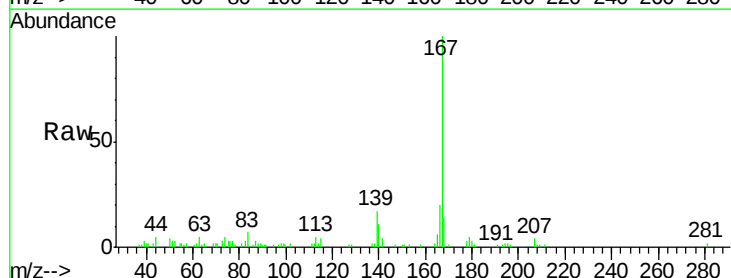
Tgt Ion:167 Resp: 49862

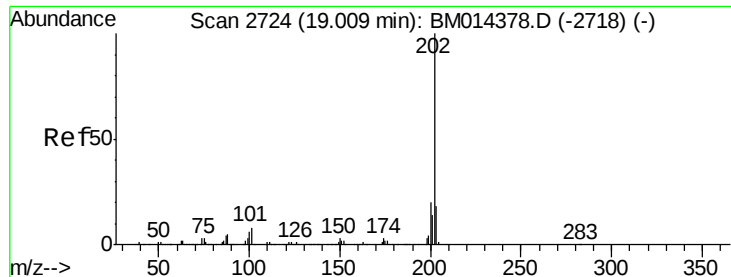
Ion Ratio Lower Upper

167 100

166 20.4 17.1 25.7

139 17.4 10.0 15.0#





#74

Fluoranthene

Concen: 35.521 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

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ClientSampleId :

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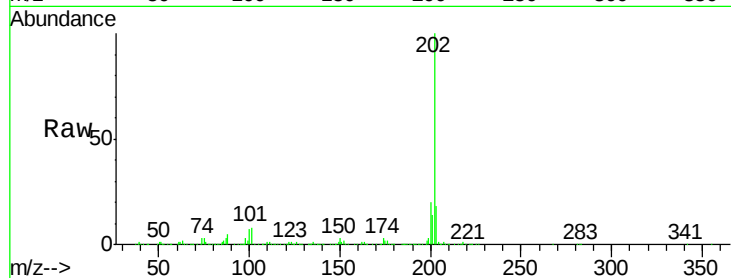
Tot Ion:202 Resp: 1224062

Ion Ratio Lower Upper

202 100

101 8.2 4.6 7.0#

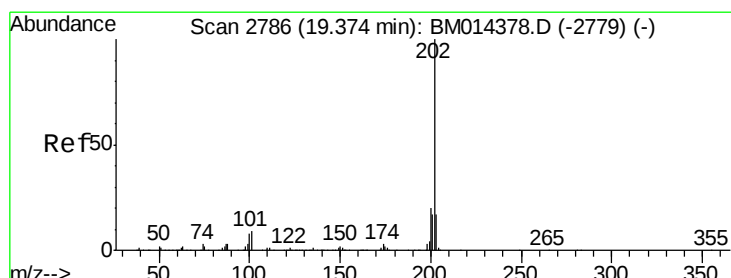
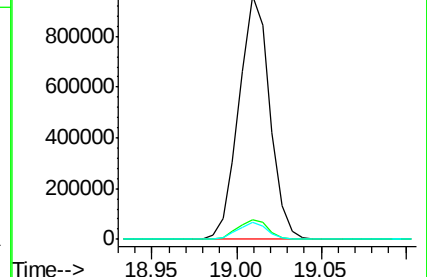
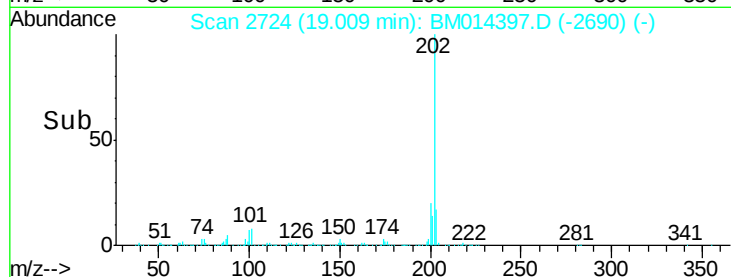
100 7.1 3.4 5.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 31.384 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

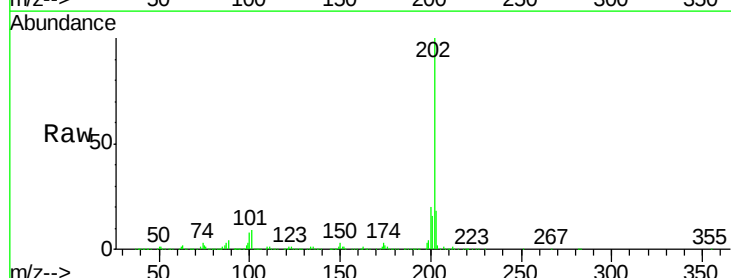
Tgt Ion:202 Resp: 1067890

Ion Ratio Lower Upper

202 100

101 9.0 5.1 7.7#

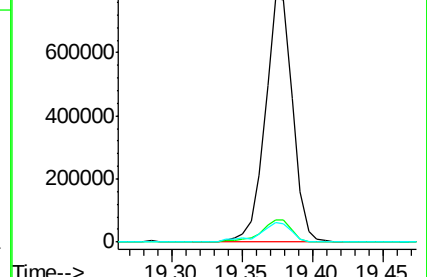
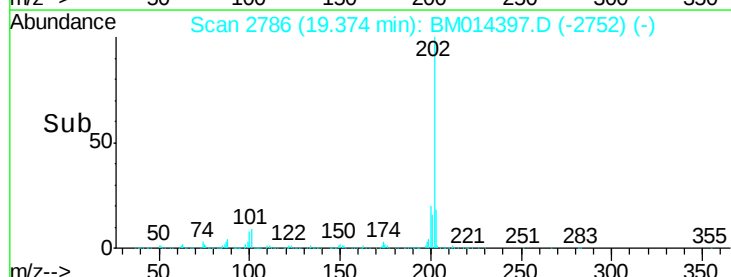
100 8.0 4.9 7.3#

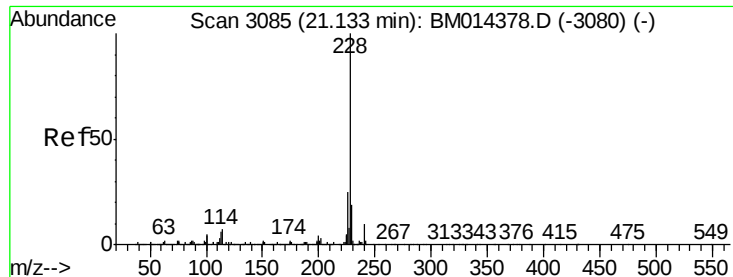


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 13.084 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. -0.00 min

Lab File: BM014397.D

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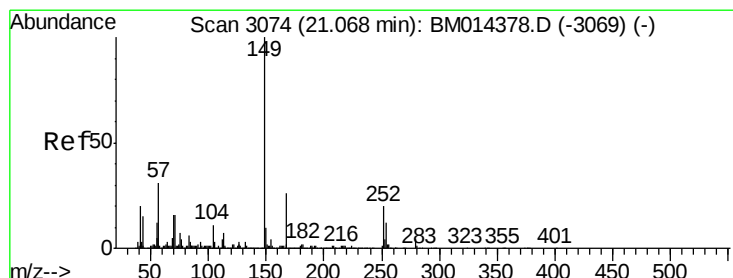
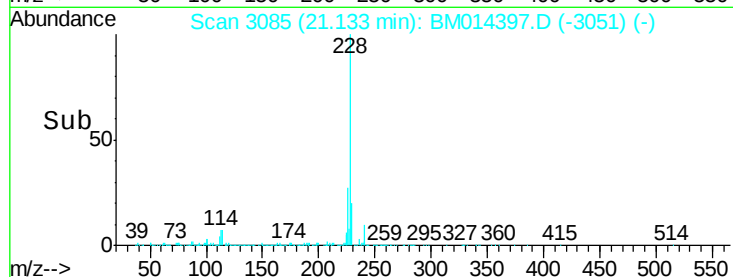
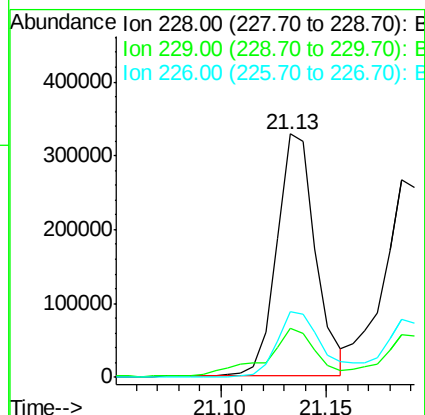
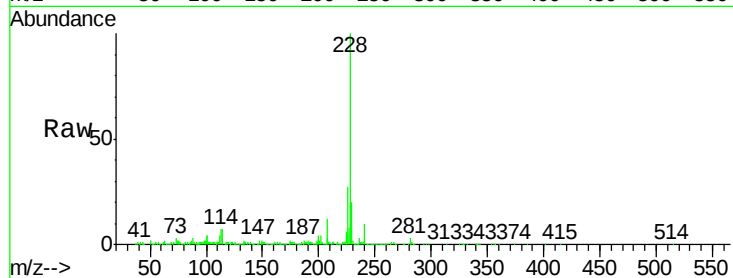
Tot Ion:228 Resp: 418088

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

226 26.8 21.4 32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.416 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

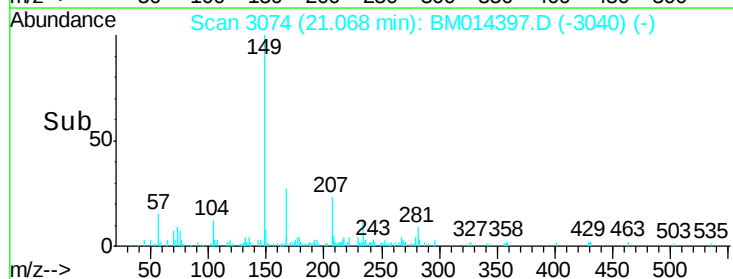
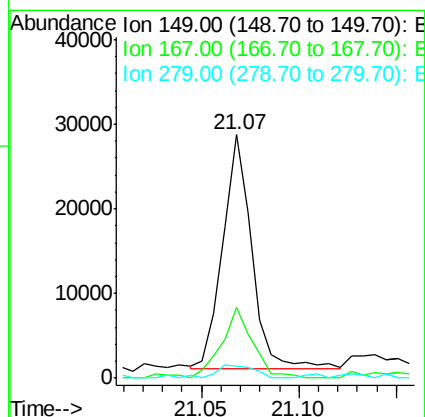
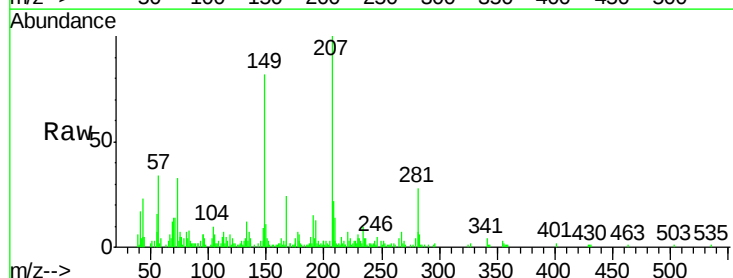
Tgt Ion:149 Resp: 28537

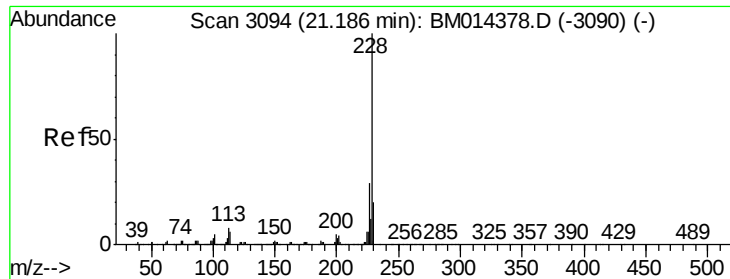
Ion Ratio Lower Upper

149 100

167 29.0 22.8 34.2

279 5.0 4.9 7.3





#82

Chrysene

Concen: 12.523 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

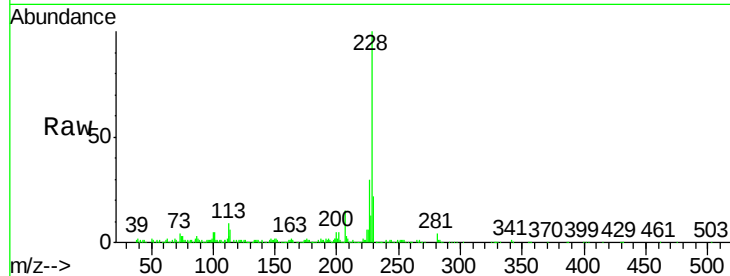
BNA_M

ClientSampleId :

BE5X4DL

Tot Ion:228 Resp: 373294

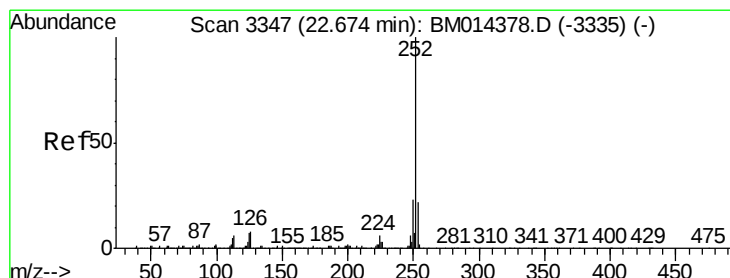
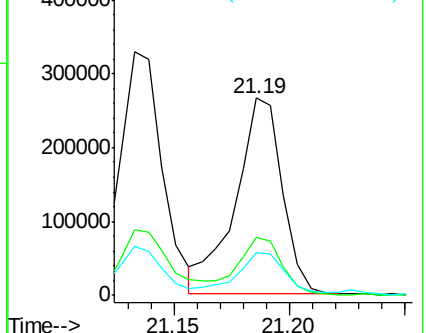
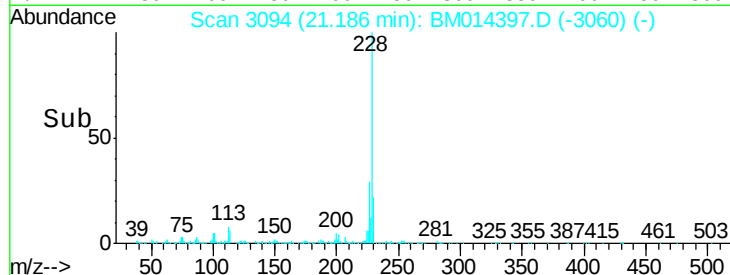
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	21.9	15.5	23.3



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: 12.873 ng/ul

RT: 22.69 min Scan# 3349

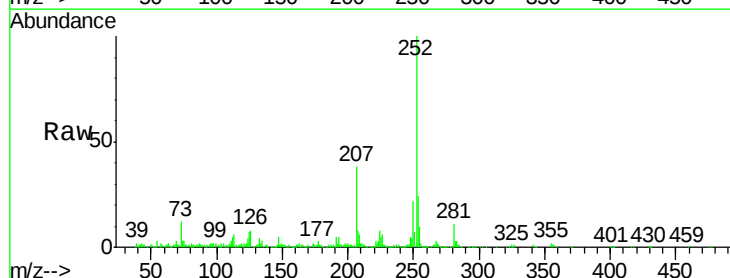
Delta R.T. 0.01 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Tgt Ion:252 Resp: 420707

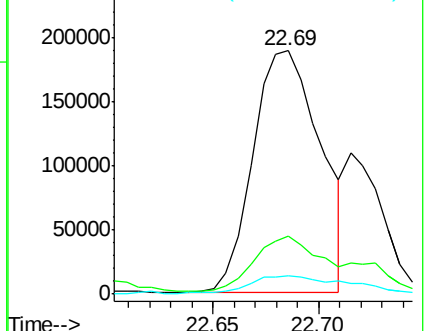
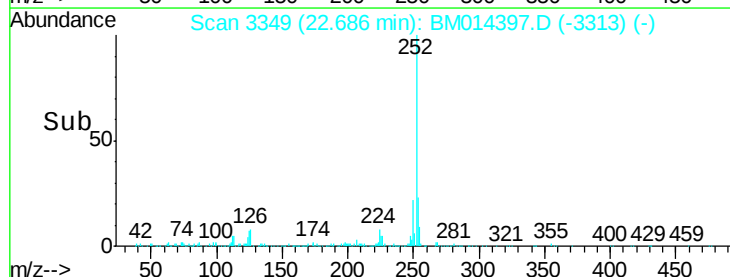
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	7.3	3.6	5.4

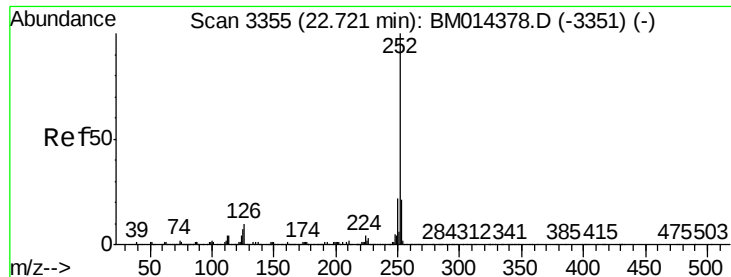


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 13.540 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. -0.04 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

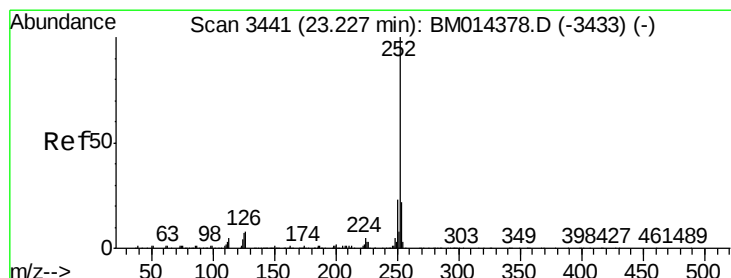
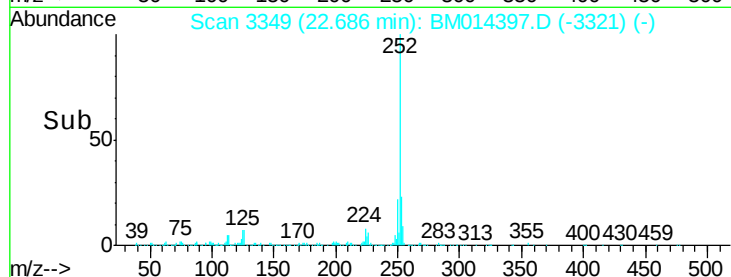
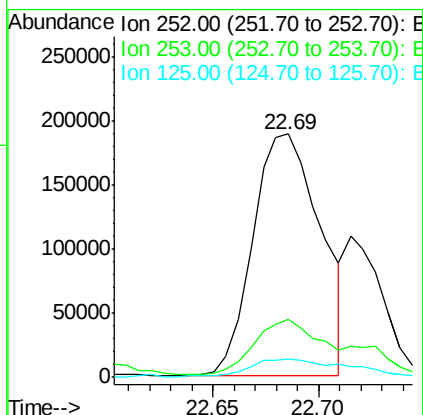
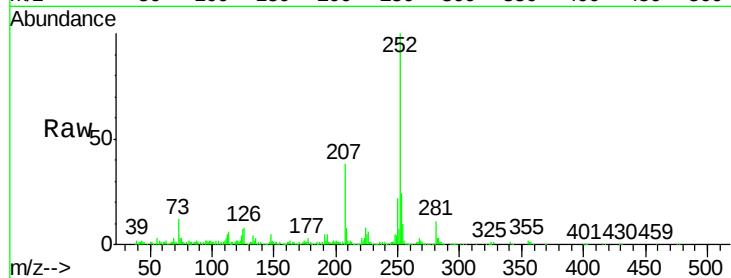
Instrument :

BNA_M

ClientSampled :

BE5X4DL

Tot Ion:252	Resp:	420707
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.1 25.7
125	7.3	3.4 5.2#



#88

Benzo(a)pyrene

Concen: 10.290 ng/ul

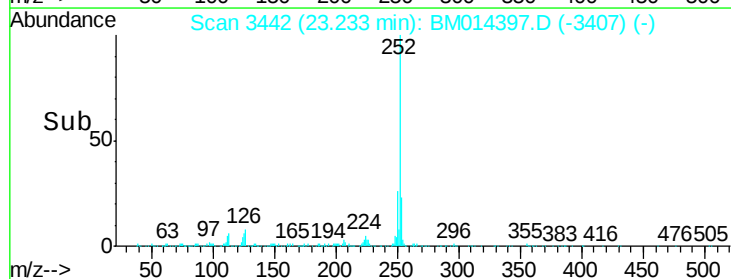
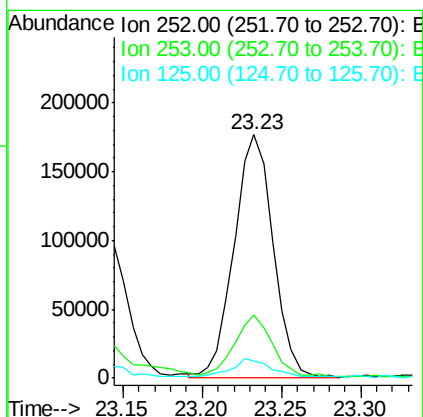
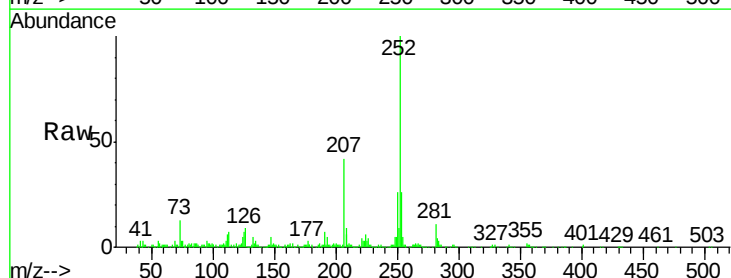
RT: 23.23 min Scan# 3442

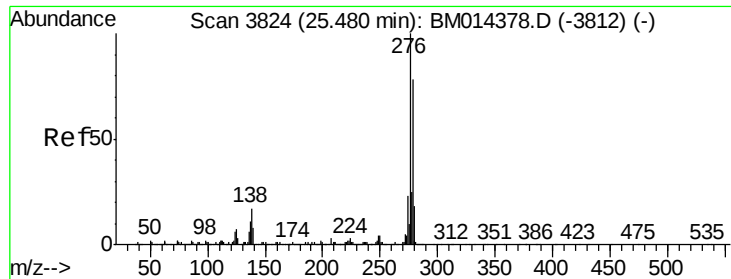
Delta R.T. 0.01 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Tgt Ion:252	Resp:	300503
Ion Ratio	Lower	Upper
252	100	
253	25.8	18.2 27.2
125	6.9	4.0 6.0#



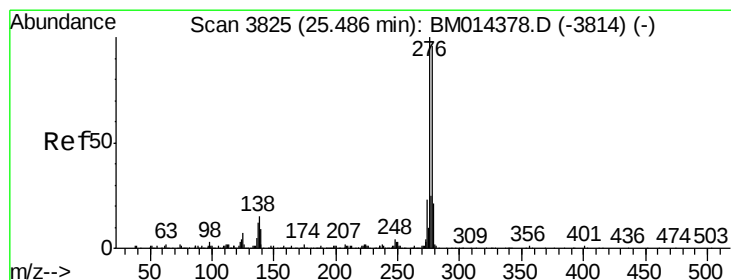
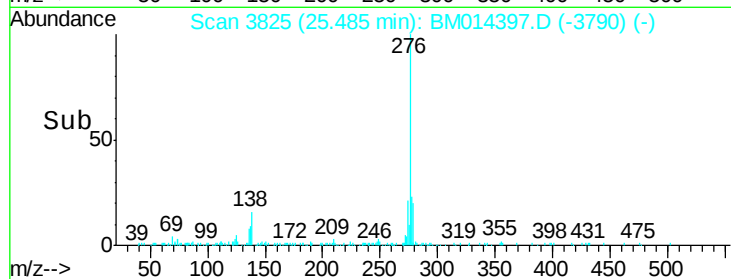
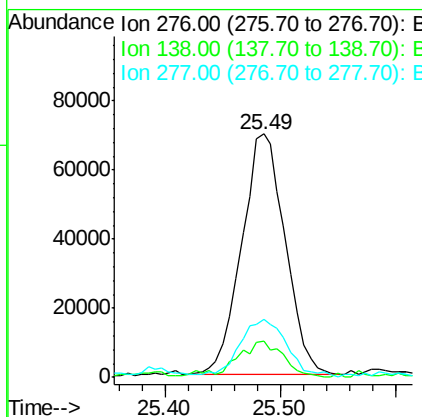
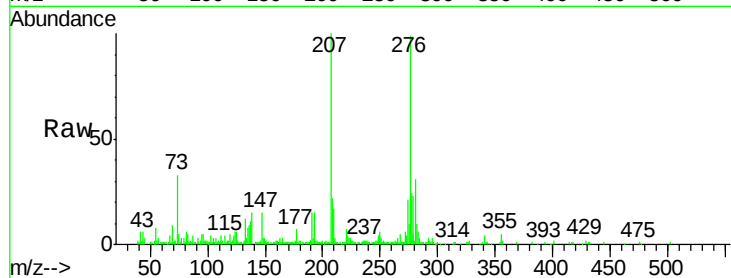


#89

Indeno(1,2,3-cd)pyrene
Concen: 6.463 ng/ul
RT: 25.49 min Scan# 3825
Delta R.T. 0.01 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

Instrument :
BNA_M
ClientSampleId :
BE5X4DL

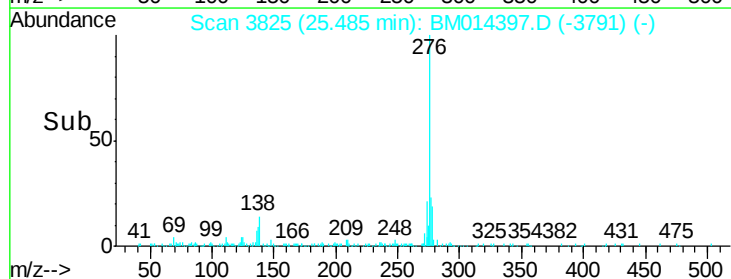
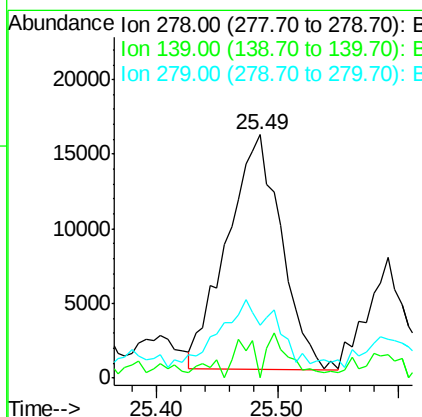
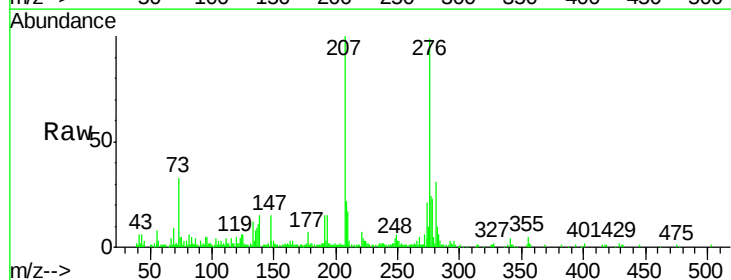
Tot Ion	Ratio	Lower	Upper
276	100		
138	14.9	9.3	13.9#
277	24.0	19.9	29.9

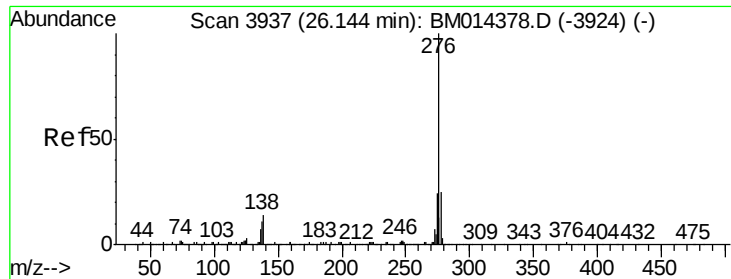


#90

Dibenzo(a,h)anthracene
Concen: 2.096 ng/ul
RT: 25.49 min Scan# 3825
Delta R.T. -0.00 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	21.8	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 5.694 ng/ul

RT: 26.14 min Scan# 3937

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

ClientSampleId :

BE5X4DL

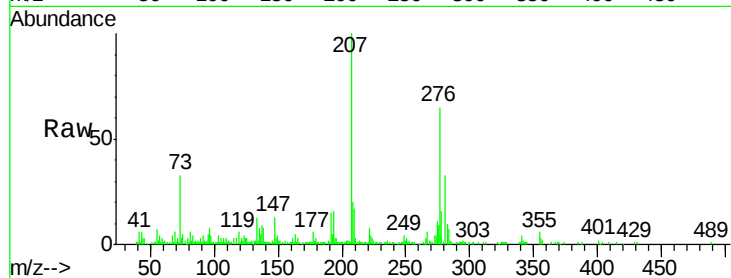
Tot Ion:276 Resp: 130712

Ion Ratio Lower Upper

276 100

138 11.8 8.5 12.7

277 24.9 18.6 28.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

