

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014454.D
 Acq On : 02 Mar 2018 10:31
 Operator : SJ/JU
 Sample : J1646-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 14:55:36 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	95759	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	438325	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	279099	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	619984	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	627344	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	477840	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	7011	3.13	ng/uL	0.00
5) Phenol-d5	6.72	99	175751	21.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	107802	22.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	139068	22.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	138573	19.57	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	74142	22.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	91041	27.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	151778	21.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	40236	5.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.59	166	525594	22.80	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	657726	23.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	65674	20.64	ng/ul	0.04
57) Fluorene-d10	15.17	176	455205	22.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	69829	18.78	ng/ul	0.01
70) Anthracene-d10	17.04	188	702967	23.50	ng/ul	0.00
76) Pyrene-d10	19.35	212	789933	24.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	523428	22.51	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.75	94	23165	2.728	ng/ul 88
28) Naphthalene	10.33	128	40086	1.781	ng/ul 96
34) 2-Methylnaphthalene	11.96	142	20133	1.175	ng/ul 86
44) Dimethylphthalate	13.65	163	180979	7.963	ng/ul 99
47) Acenaphthylene	13.89	152	76000	2.829	ng/ul 97
49) Acenaphthene	14.24	153	76061	4.021	ng/ul 95
58) Fluorene	15.23	166	90945	3.714	ng/ul 90
69) Phenanthrene	16.98	178	2173907	60.858	ng/ul 99
71) Anthracene	17.07	178	404785	11.268	ng/ul 97
72) Carbazole	17.36	167	134617	4.456	ng/ul# 94
73) Di-n-butylphthalate	17.91	149	45719	1.173	ng/ul# 95
74) Fluoranthene	19.02	202	3714533	87.038	ng/ul# 93
77) Pyrene	19.39	202	3862856	92.653	ng/ul# 93
78) Butylbenzylphthalate	20.29	149	50894	2.952	ng/ul# 83
80) Benzo(a)anthracene	21.14	228	1748092	44.648	ng/ul 99
81) Bis(2-ethylhexyl)phthalate	21.07	149	4062914	164.567	ng/ul# 95
82) Chrysene	21.20	228	1587142	43.454	ng/ul 98
85) Benzo(b)fluoranthene	22.70	252	1488346	46.518	ng/ul# 99
86) Benzo(k)fluoranthene	22.73	252	550345	18.092	ng/ul# 97
88) Benzo(a)pyrene	23.25	252	1106914	38.715	ng/ul# 97
89) Indeno(1,2,3-cd)pyrene	25.52	276	643881	23.208	ng/ul 99
90) Dibenzo(a,h)anthracene	25.52	278	174474	7.568	ng/ul# 87
91) Benzo(g,h,i)perylene	26.19	276	509479	22.668	ng/ul# 96

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QLast Update : Thu Mar 01 03:03:26 2018
Response via : Initial Calibration

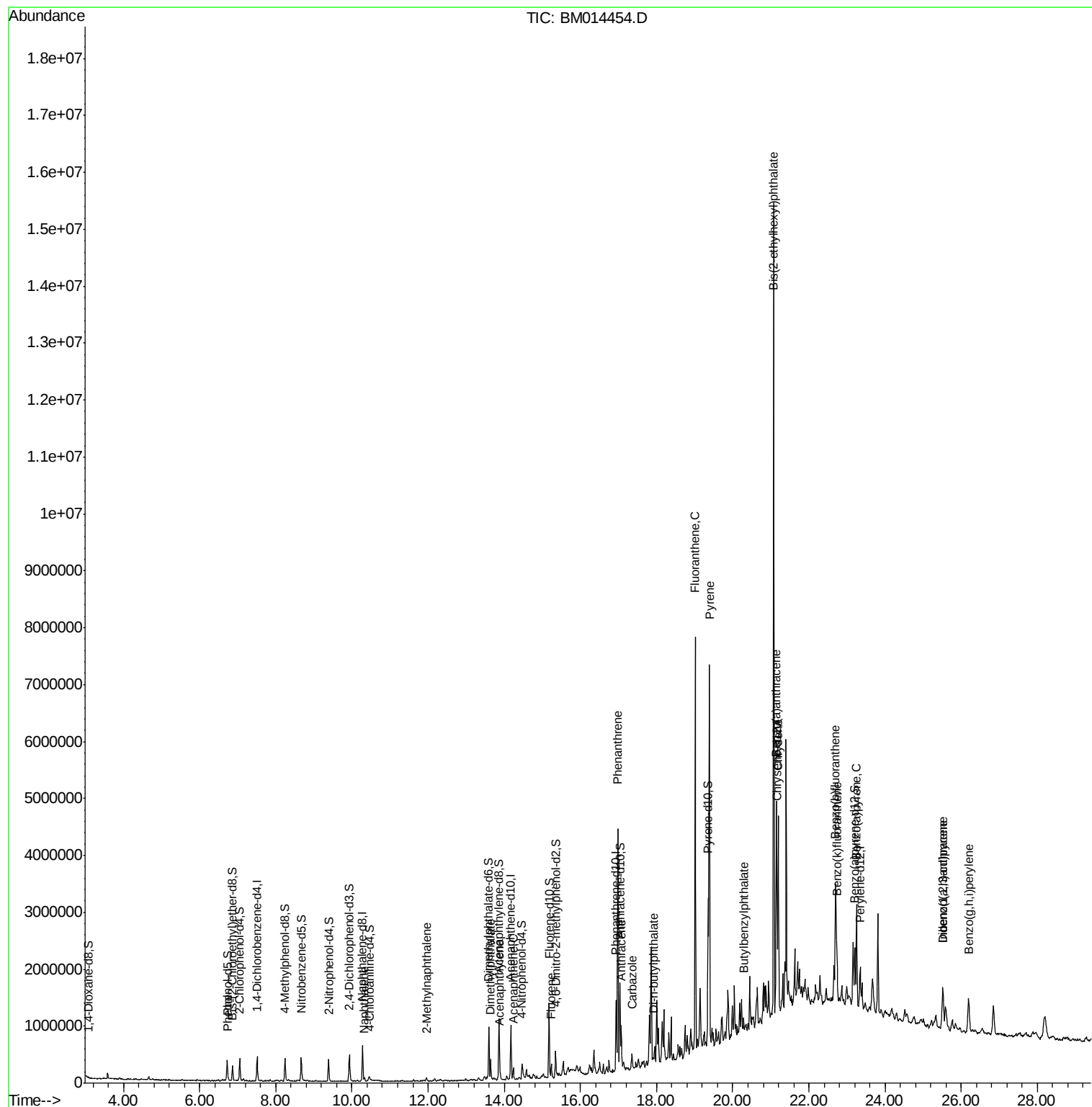
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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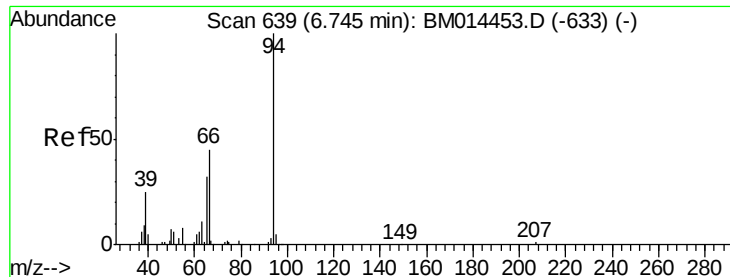
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 2.728 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampled :

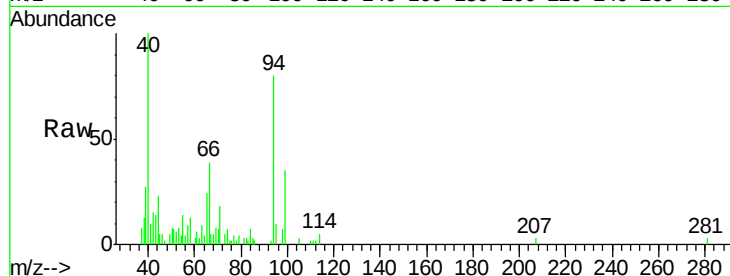
Tot Ion: 94 Resp: 23165

Ion Ratio Lower Upper

94 100

65 29.7 28.2 42.4

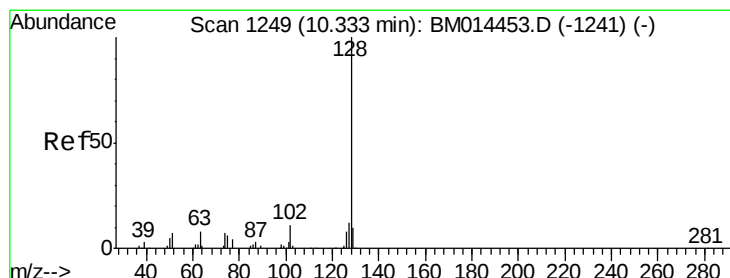
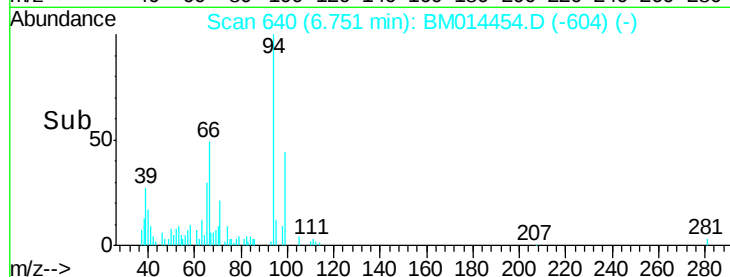
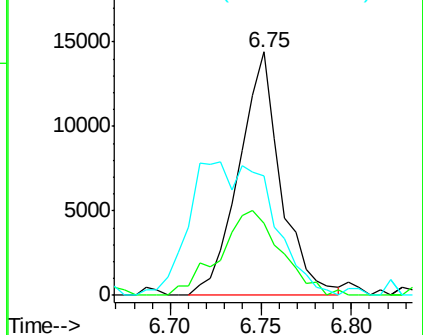
66 48.8 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM014453.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM014453.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM014453.D (-633) (-)



#28

Naphthalene

Concen: 1.781 ng/ul

RT: 10.33 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

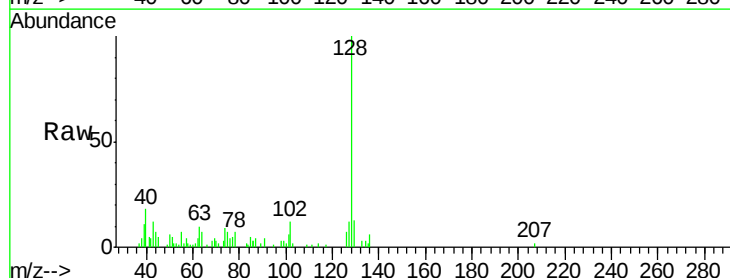
Tgt Ion: 128 Resp: 40086

Ion Ratio Lower Upper

128 100

129 12.7 8.8 13.2

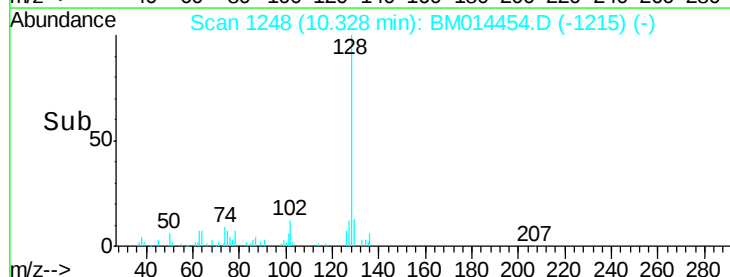
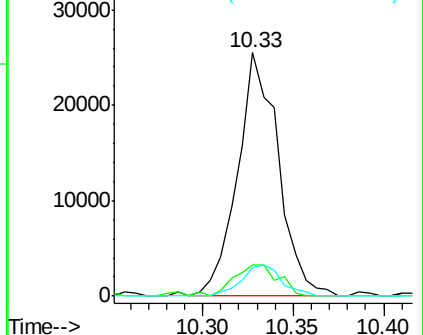
127 11.7 10.6 16.0

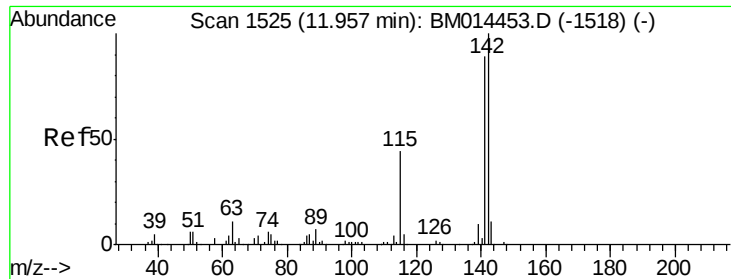


Abundance Ion 128.00 (127.70 to 128.70): BM014453.D (-1241) (-)

Ion 129.00 (128.70 to 129.70): BM014453.D (-1241) (-)

Ion 127.00 (126.70 to 127.70): BM014453.D (-1241) (-)

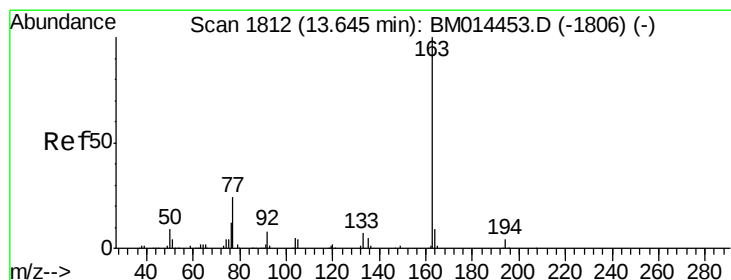
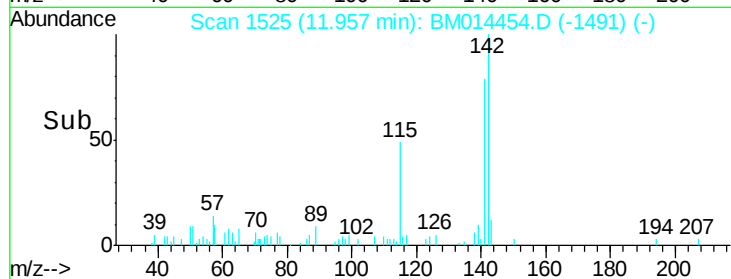
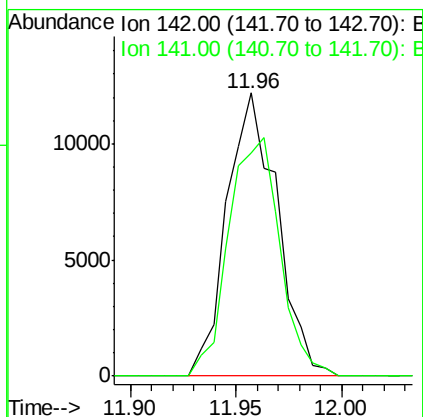
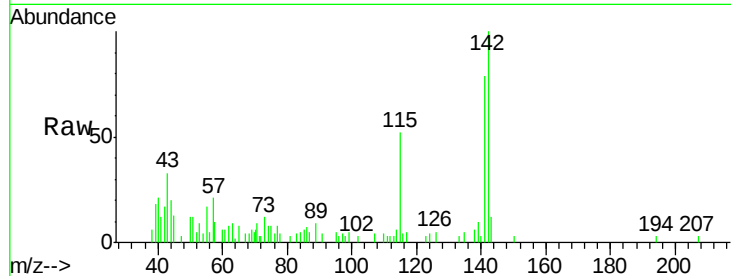




#34
 2-Methylnaphthalene
 Concen: 1.175 ng/ul
 RT: 11.96 min Scan# 1525
 Delta R.T. 0.00 min
 Lab File: BM014454.D
 Acq: 02 Mar 2018 10:31

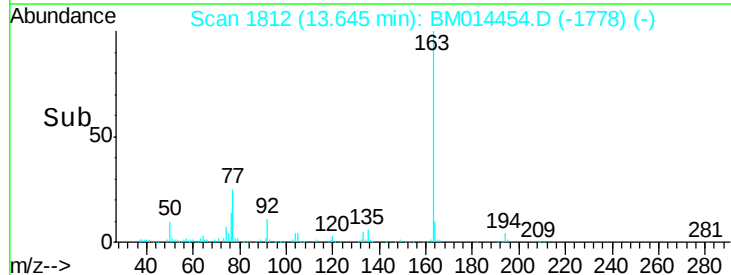
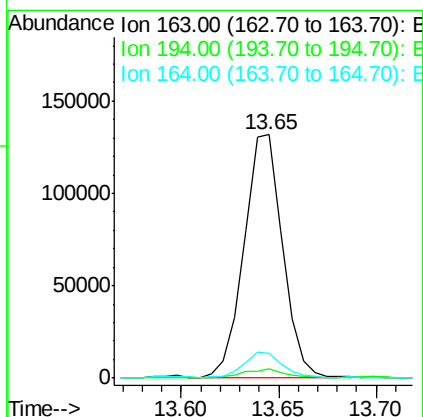
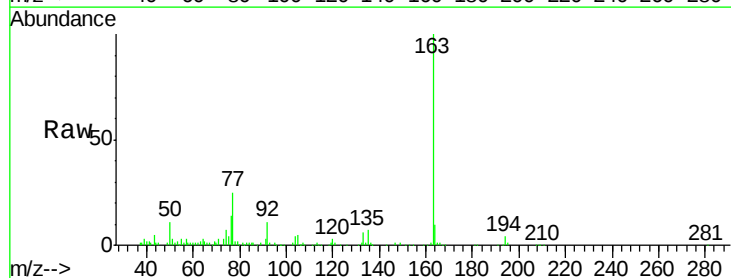
Instrument :
 BNA_M
 ClientSampled :

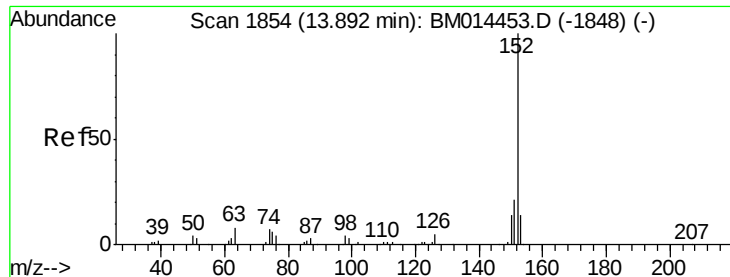
Tot Ion:142 Resp: 20133
 Ion Ratio Lower Upper
 142 100
 141 78.9 74.1 111.1



#44
 Dimethylphthalate
 Concen: 7.963 ng/ul
 RT: 13.65 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: BM014454.D
 Acq: 02 Mar 2018 10:31

Tgt Ion:163 Resp: 180979
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.5 5.3
 164 10.1 8.2 12.4





#47

Acenaphthylene

Concen: 2.829 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampleId :

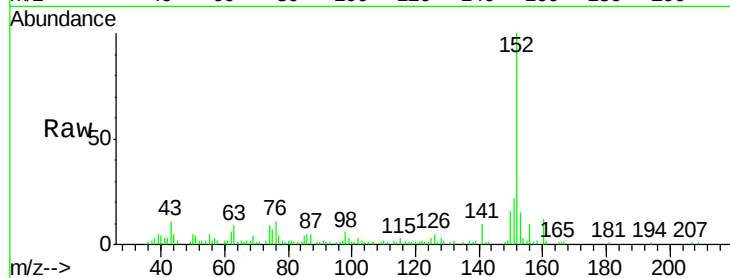
Tot Ion:152 Resp: 76000

Ion Ratio Lower Upper

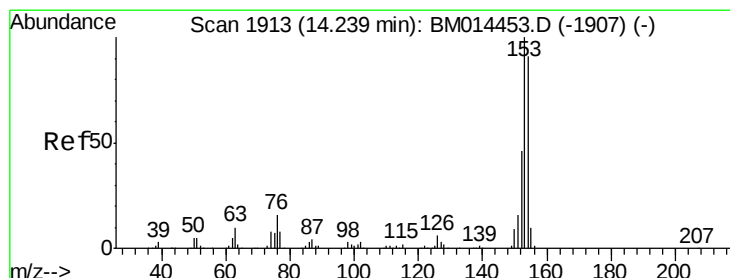
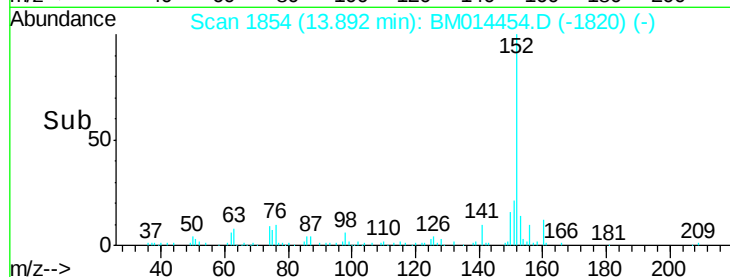
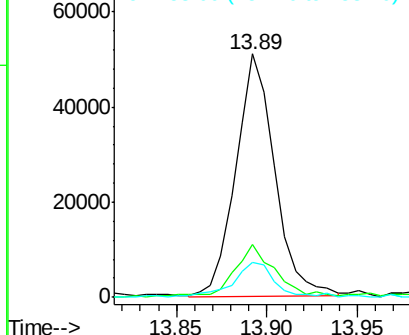
152 100

151 21.7 16.3 24.5

153 14.6 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: 4.021 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

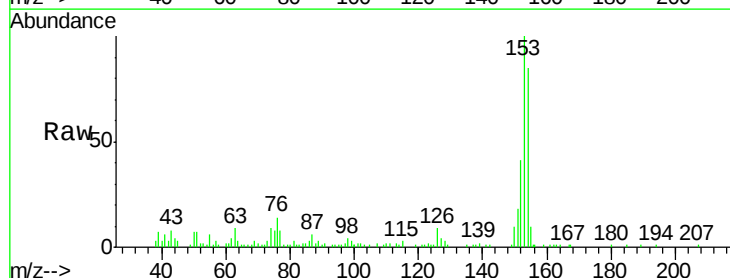
Tgt Ion:153 Resp: 76061

Ion Ratio Lower Upper

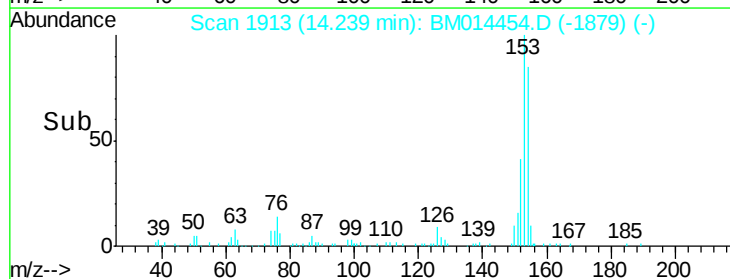
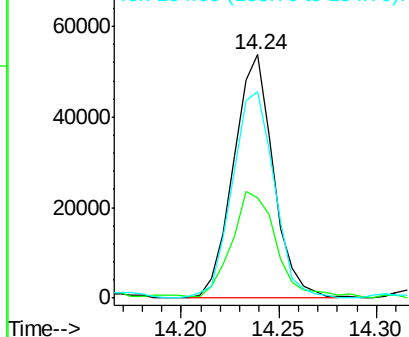
153 100

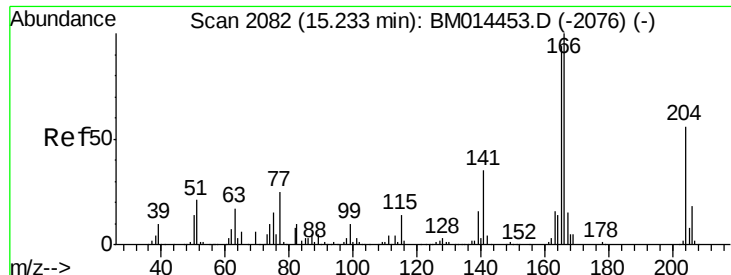
152 41.1 37.6 56.4

154 84.7 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: 3.714 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampleId :

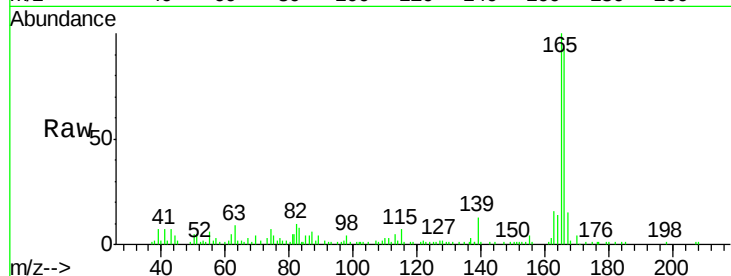
Tot Ion:166 Resp: 90945

Ion Ratio Lower Upper

166 100

165 108.1 77.9 116.9

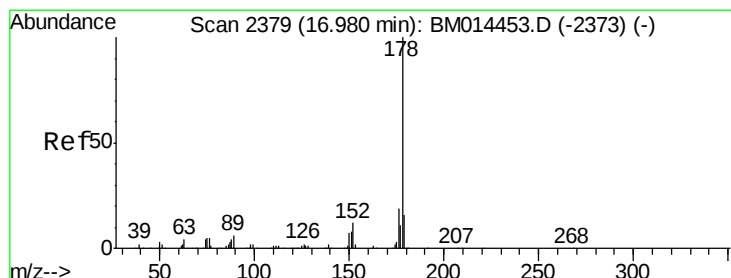
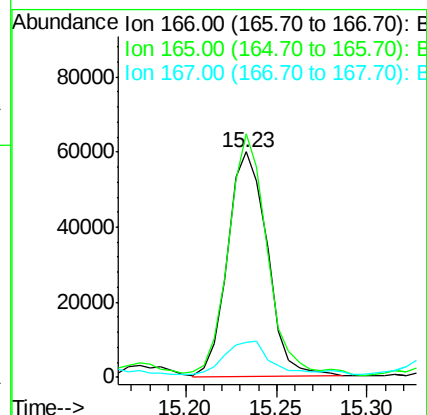
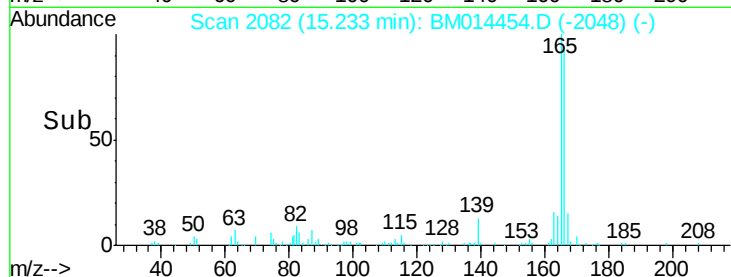
167 15.7 10.6 16.0



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: 60.858 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

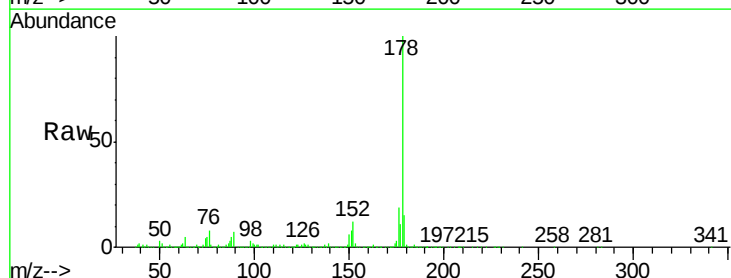
Tgt Ion:178 Resp: 2173907

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

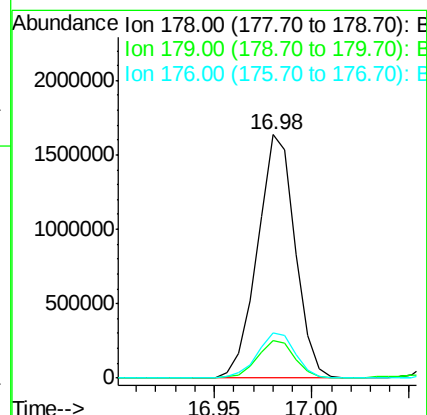
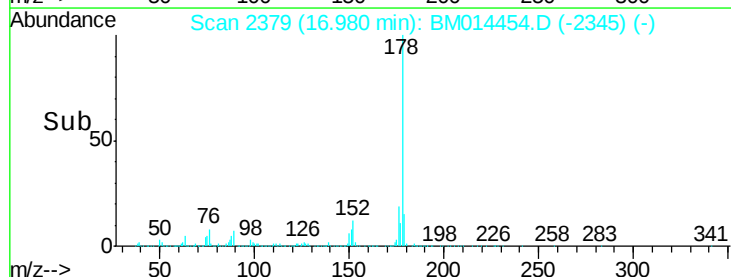
176 18.8 14.9 22.3

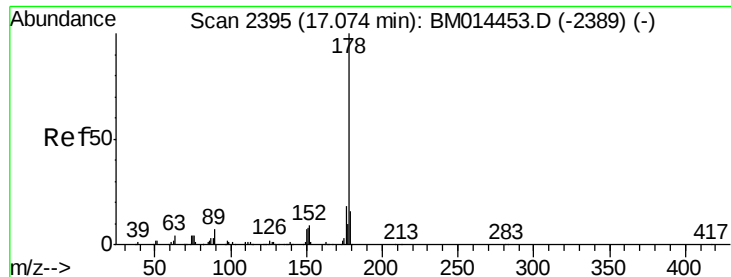


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

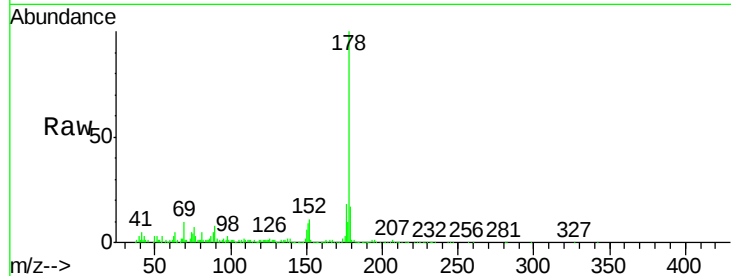




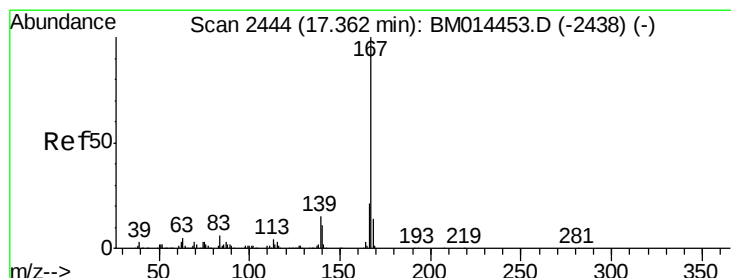
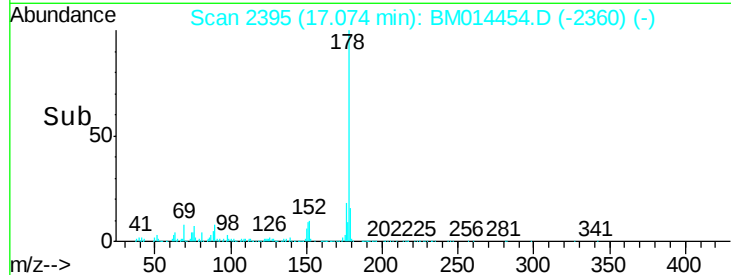
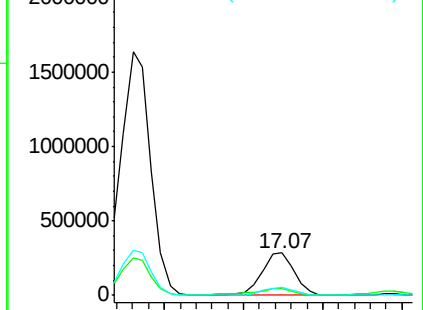
#71
 Anthracene
 Concen: 11.268 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.01 min
 Lab File: BM014454.D
 Acq: 02 Mar 2018 10:31

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 404785
 Ion Ratio Lower Upper
 178 100
 179 16.7 11.7 17.5
 176 17.7 14.6 21.8

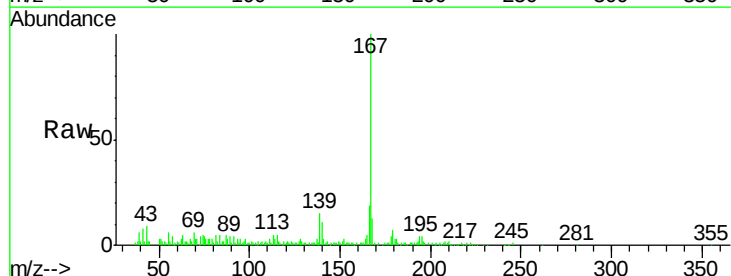


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

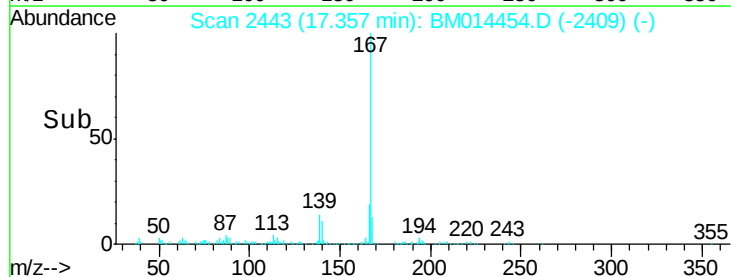
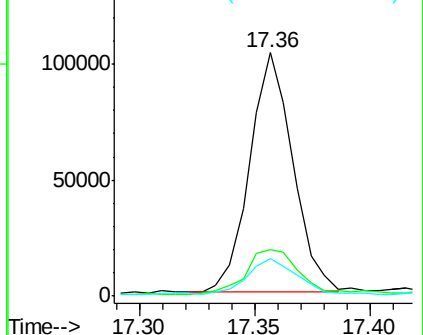


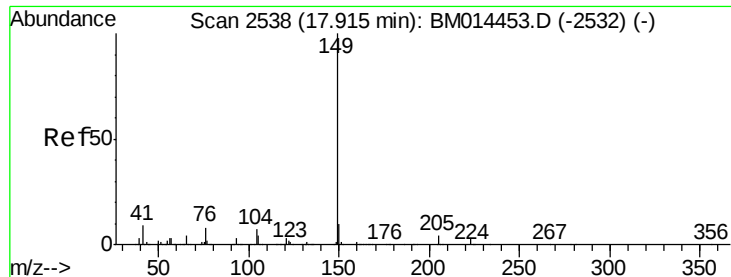
#72
 Carbazole
 Concen: 4.456 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014454.D
 Acq: 02 Mar 2018 10:31

Tgt Ion:167 Resp: 134617
 Ion Ratio Lower Upper
 167 100
 166 19.1 17.1 25.7
 139 15.2 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

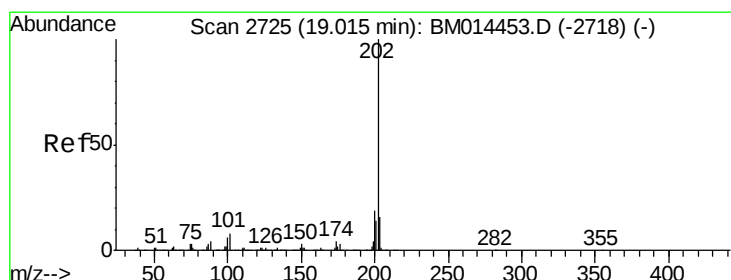
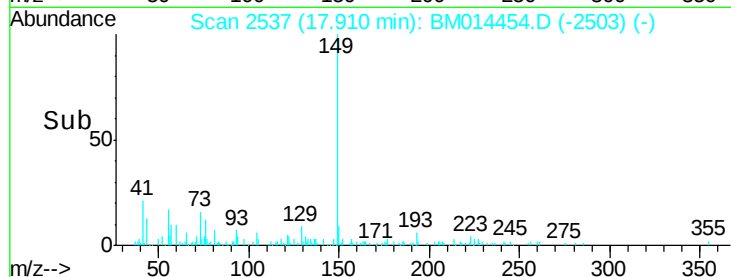
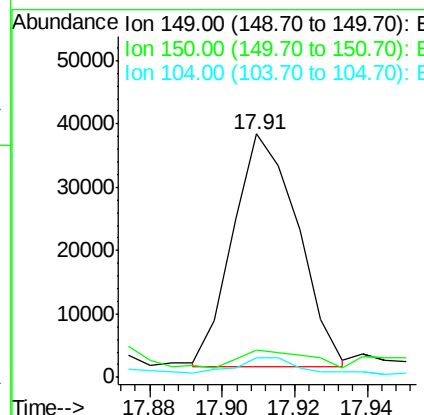
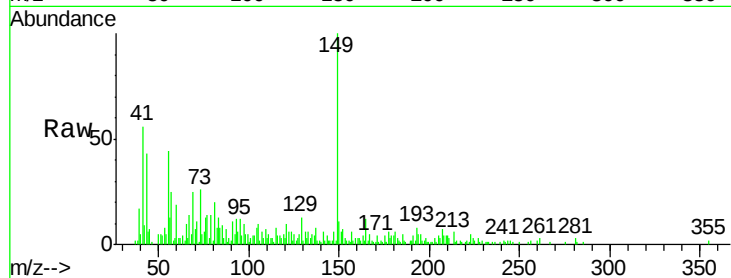




#73
Di-n-butylphthalate
Concen: 1.173 ng/ul
RT: 17.91 min Scan# 2537
Delta R.T. 0.00 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

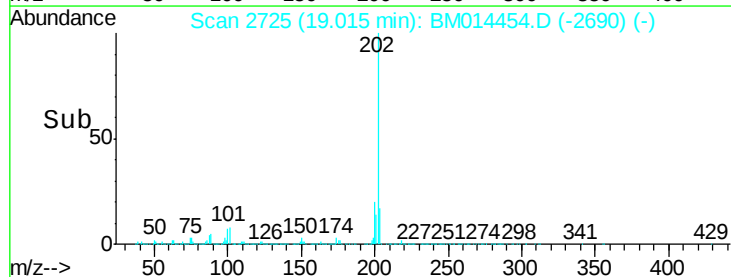
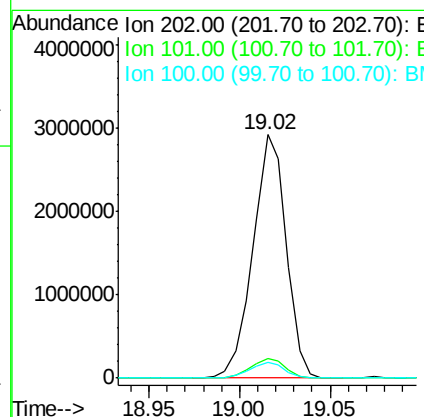
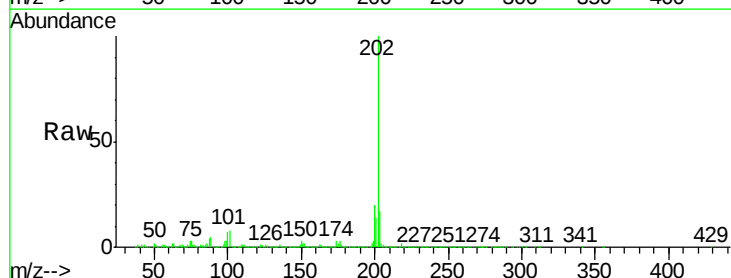
Instrument :
BNA_M
ClientSampled :

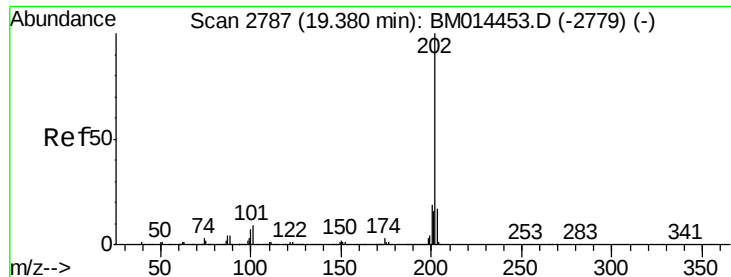
Tot Ion:149 Resp: 45719
Ion Ratio Lower Upper
149 100
150 11.4 7.1 10.7#
104 7.8 5.6 8.4



#74
Fluoranthene
Concen: 87.038 ng/ul
RT: 19.02 min Scan# 2725
Delta R.T. 0.01 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Tgt Ion:202 Resp: 3714533
Ion Ratio Lower Upper
202 100
101 8.3 4.6 7.0#
100 6.6 3.4 5.2#





#77

Pvrene

Concen: 92.653 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampleId :

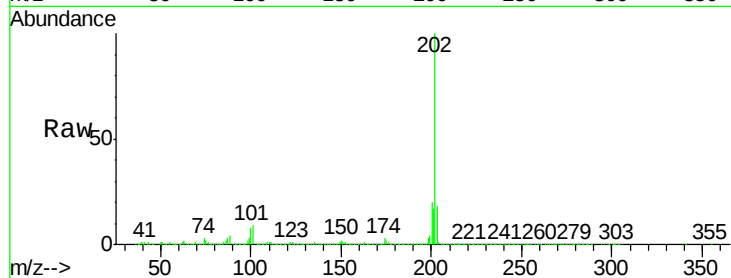
Tot Ion:202 Resp: 3862856

Ion Ratio Lower Upper

202 100

101 9.2 5.1 7.7#

100 7.8 4.9 7.3#

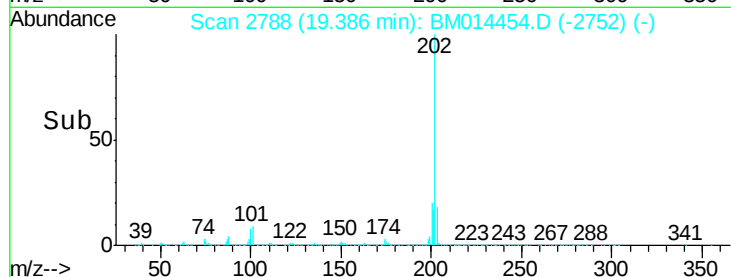


Abundance Ion 202.00 (201.70 to 202.70): E

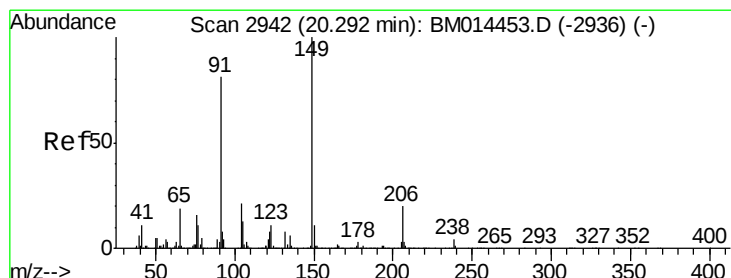
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



Time-->



#78

Butylbenzylphthalate

Concen: 2.952 ng/ul

RT: 20.29 min Scan# 2942

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

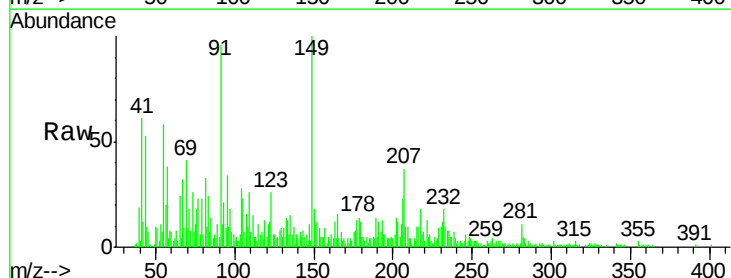
Tgt Ion:149 Resp: 50894

Ion Ratio Lower Upper

149 100

91 96.4 62.7 94.1#

206 22.8 20.8 31.2

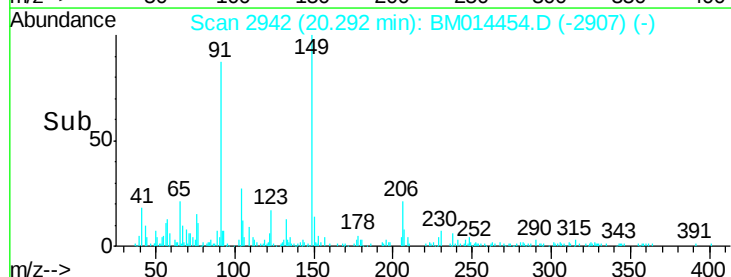


Abundance Ion 149.00 (148.70 to 149.70): E

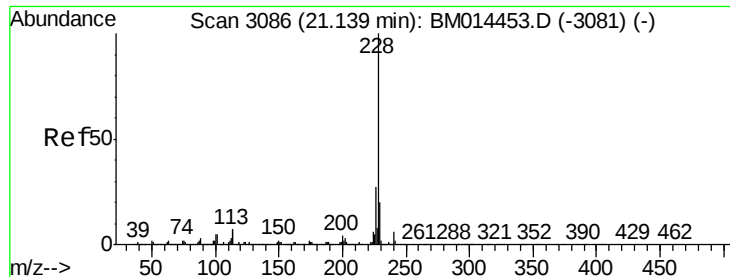
Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 44.648 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampleId :

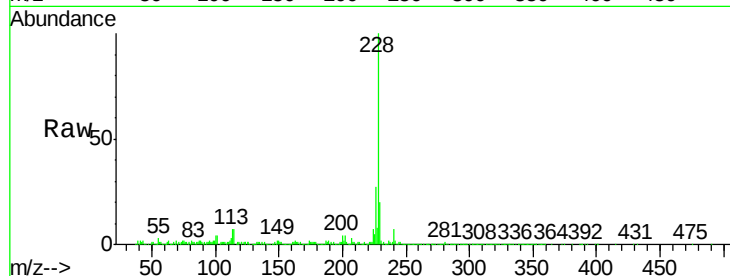
Tot Ion:228 Resp: 1748092

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	26.7	21.4	32.0

228 100

229 20.3 15.4 23.0

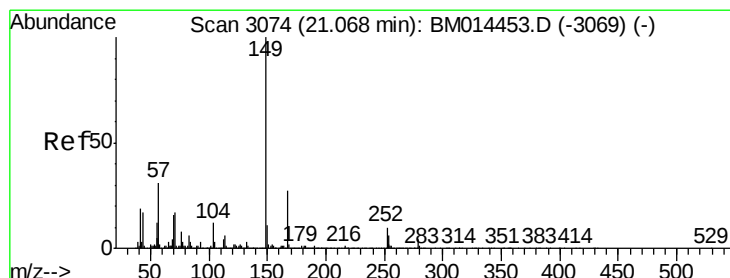
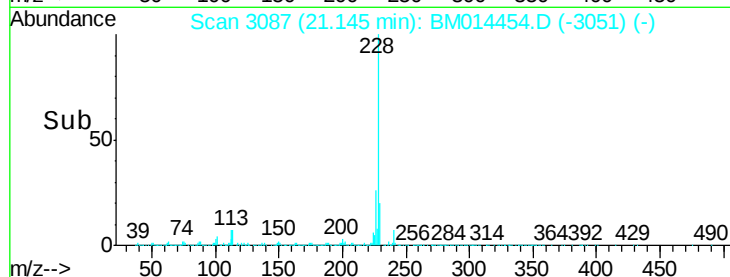
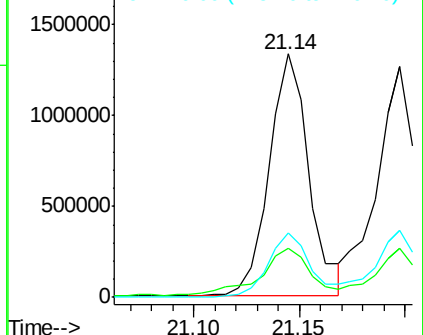
226 26.7 21.4 32.0



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: 164.567 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

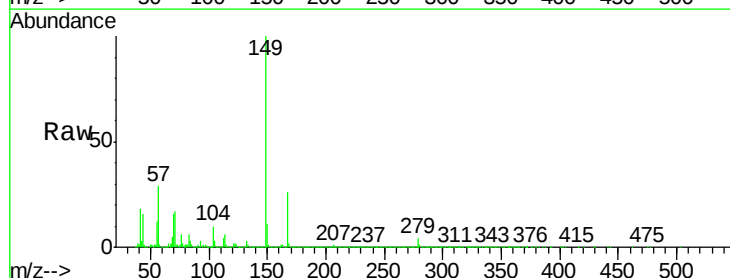
Tgt Ion:149 Resp: 4062914

Ion	Ratio	Lower	Upper
149	100		
167	25.8	22.8	34.2
279	4.2	4.9	7.3#

149 100

167 25.8 22.8 34.2

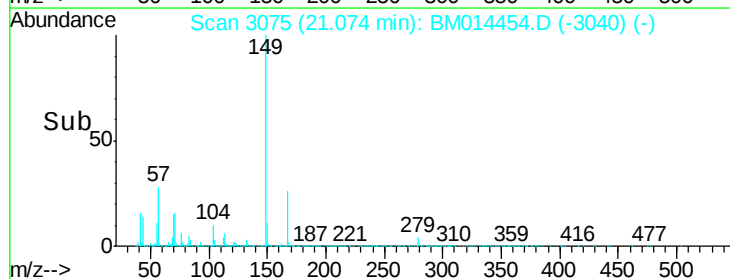
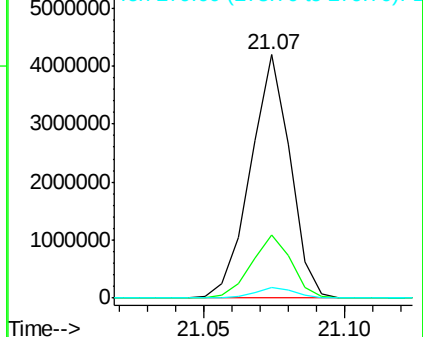
279 4.2 4.9 7.3#

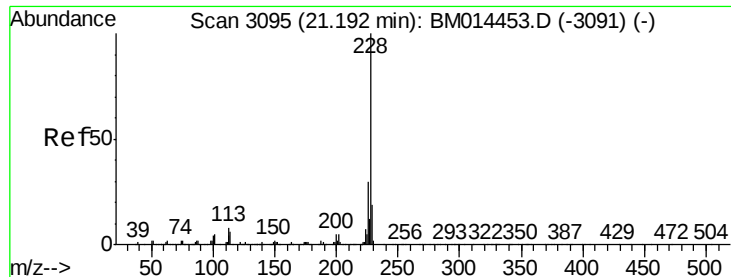


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 43.454 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampleId :

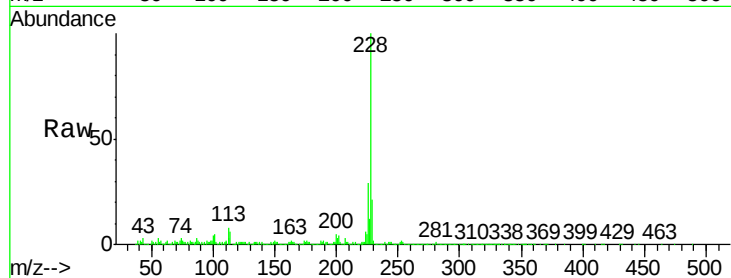
Tot Ion:228 Resp: 1587142

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.4	35.2
229	21.4	15.5	23.3

228 100

226 28.8 23.4 35.2

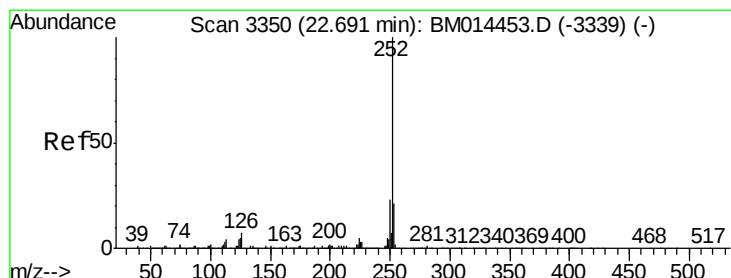
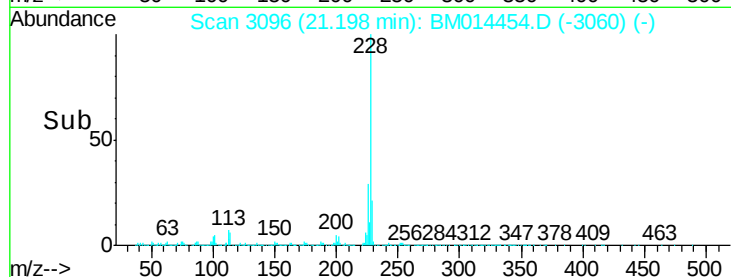
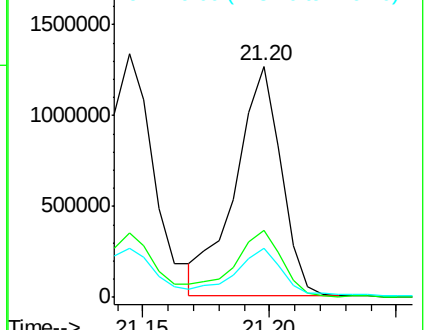
229 21.4 15.5 23.3



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: 46.518 ng/ul

RT: 22.70 min Scan# 3351

Delta R.T. 0.02 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

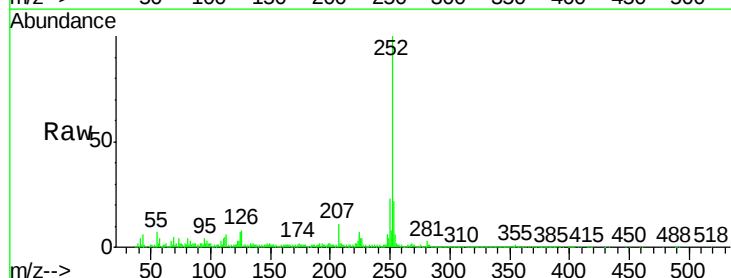
Tgt Ion:252 Resp: 1488346

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	6.5	3.6	5.4

252 100

253 22.3 17.9 26.9

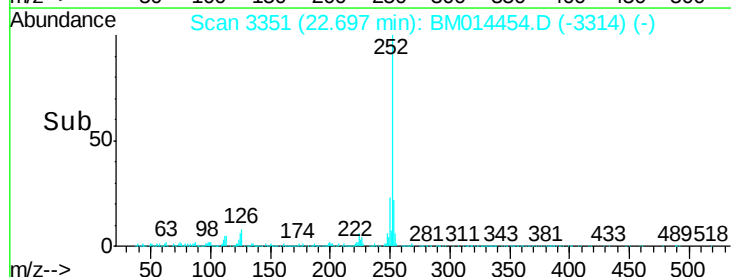
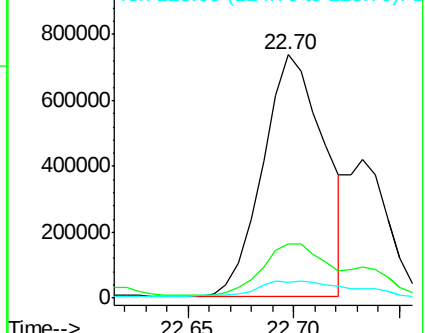
125 6.5 3.6 5.4

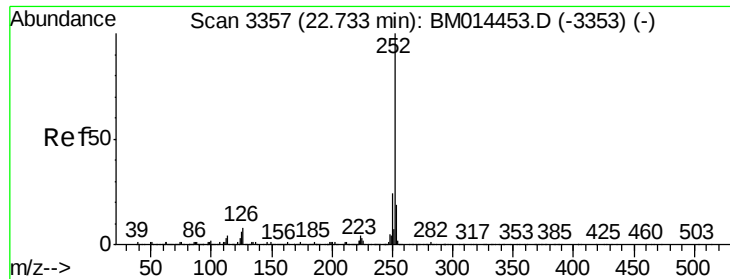


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 18.092 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampleId :

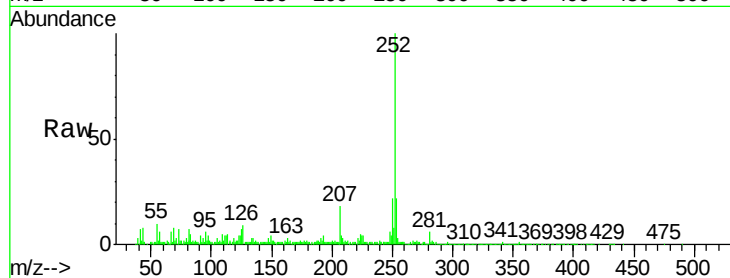
Tot Ion:252 Resp: 550345

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

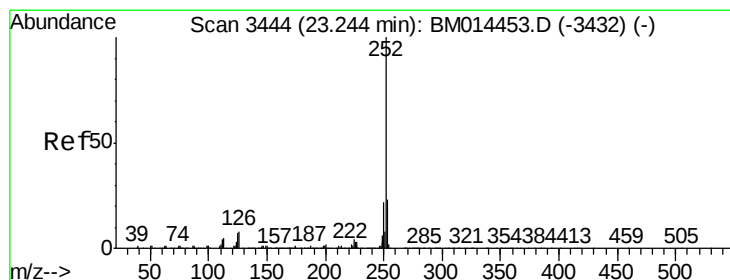
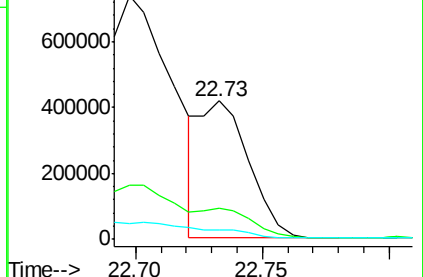
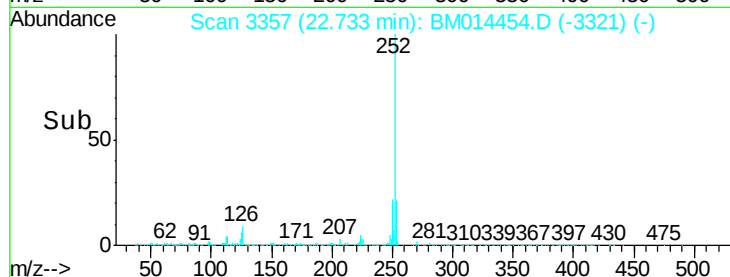
125 7.0 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 38.715 ng/ul

RT: 23.25 min Scan# 3445

Delta R.T. 0.02 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

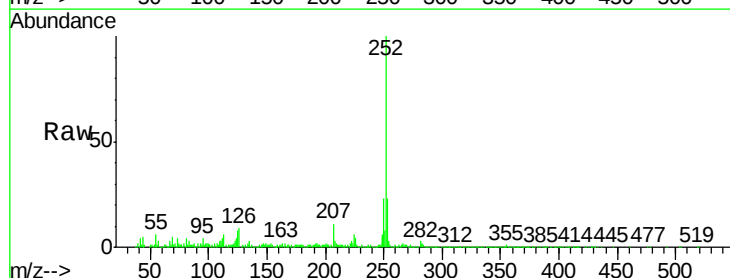
Tgt Ion:252 Resp: 1106914

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

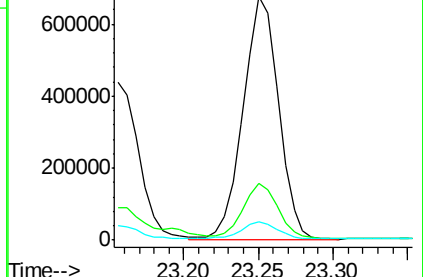
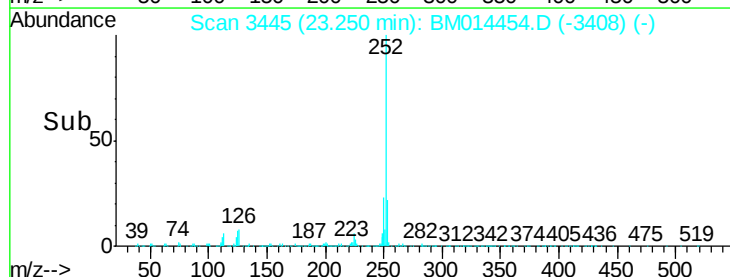
125 7.6 4.0 6.0#

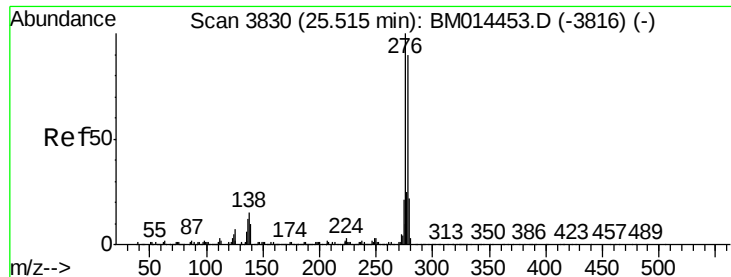


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



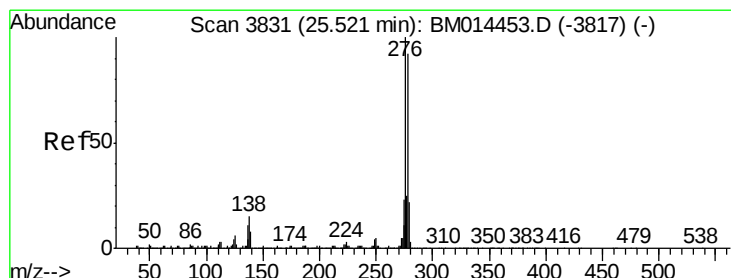
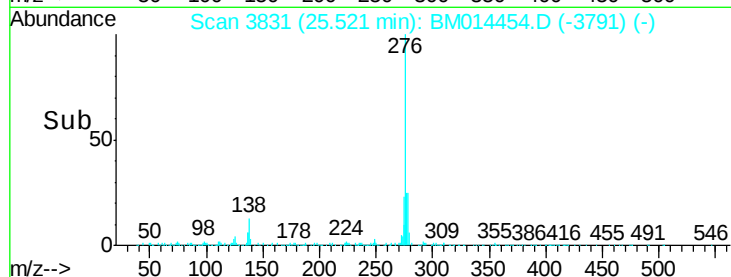
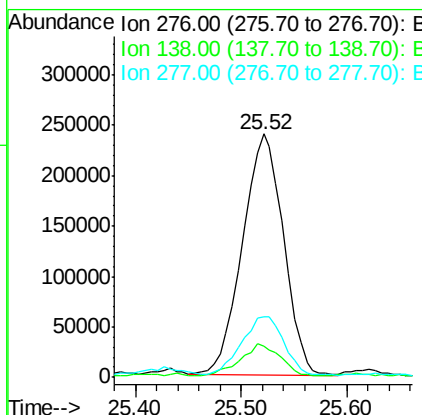
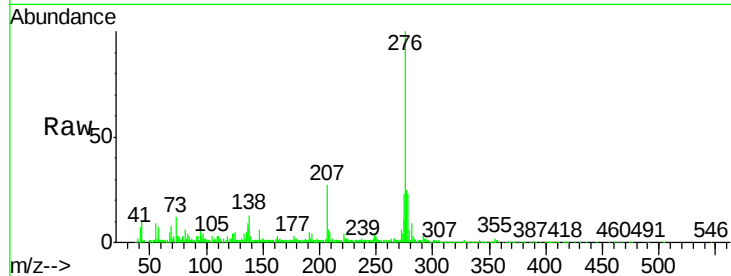


#89

Indeno(1,2,3-cd)pyrene
Concen: 23.208 ng/ul
RT: 25.52 min Scan# 3831
Delta R.T. 0.04 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Instrument :
BNA_M
ClientSampleId :

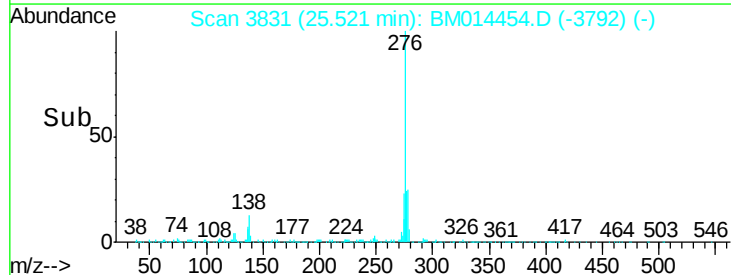
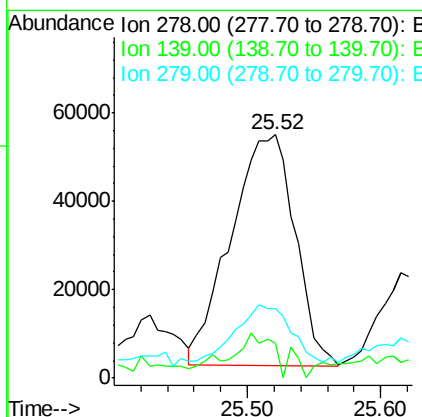
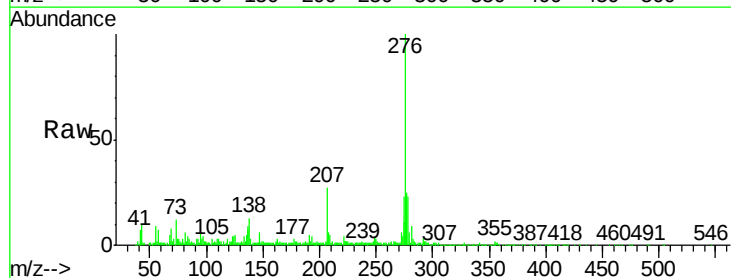
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.0	9.3	13.9
277	25.1	19.9	29.9

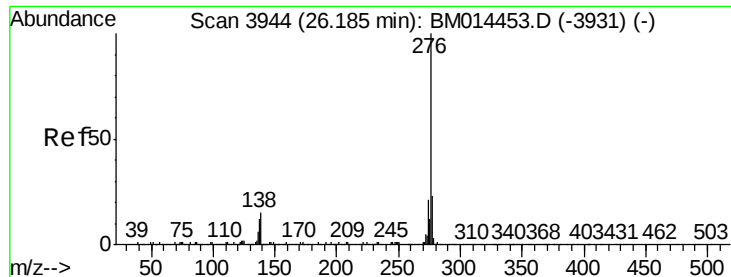


#90

Dibenzo(a,h)anthracene
Concen: 7.568 ng/ul
RT: 25.52 min Scan# 3831
Delta R.T. 0.03 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.6	5.8	8.8#
279	28.5	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 22.668 ng/ul

RT: 26.19 min Scan# 3945

Delta R.T. 0.04 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampleId :

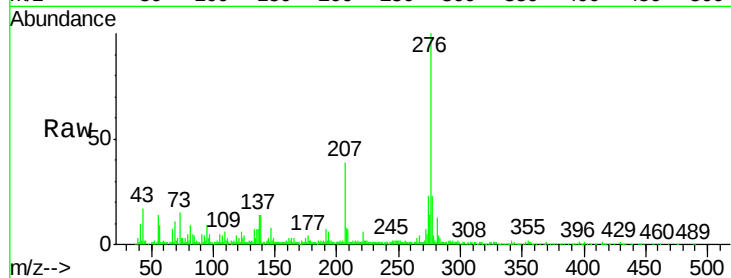
Tot Ion:276 Resp: 509479

Ion Ratio Lower Upper

276 100

138 14.1 8.5 12.7#

277 22.7 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

