

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014798.D
 Acq On : 24 Apr 2018 04:29
 Operator : SJ/JU
 Sample : J2431-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 24 12:38:41 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 02:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	393186	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1645531	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	854121	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	1790151	20.00	ng/ul	0.01
75) Chrysene-d12	21.94	240	1860576	20.00	ng/ul	0.01
83) Perylene-d12	24.43	264	1935449	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	38030	4.22	ng/uL	0.00
5) Phenol-d5	7.65	99	689061	22.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	497375	25.52	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	582136	22.89	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	541992	22.36	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	278991	23.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	285129	24.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	519701	21.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	805519	33.90	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	1515831	22.74	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	1867468	22.68	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	196104	15.85	ng/ul	0.00
57) Fluorene-d10	16.11	176	1323350	22.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.23	200	46934	4.85	ng/ul	0.03
70) Anthracene-d10	17.96	188	1944497	23.31	ng/ul	0.02
76) Pyrene-d10	20.19	212	2140901	24.32	ng/ul	0.01
87) Benzo(a)pyrene-d12	24.27	264	2331905	24.52	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	7.65	77	26869	1.680	ng/ul#	29
6) Phenol	7.67	94	43224	1.445	ng/ul#	87
14) Acetophenone	9.34	105	288679	8.127	ng/ul#	26
15) N-Nitroso-di-n-propylamine	9.28	70	158554	8.602	ng/ul#	61
17) Hexachloroethane	9.64	117	87685	8.561	ng/ul#	1
21) Isophorone	10.28	82	107325	2.208	ng/ul#	1
24) 2,4-Dimethylphenol	10.56	107	59577	2.191	ng/ul#	54
25) Bis(2-Chloroethoxy)methane	10.81	93	54039	1.654	ng/ul	96
28) Naphthalene	11.42	128	738339	9.208	ng/ul#	95
32) Caprolactam	12.24	113	13165	1.988	ng/ul#	20
34) 2-Methylnaphthalene	12.99	142	3472941	62.369	ng/ul	97
40) 1,1'-Biphenyl	13.97	154	3197831	46.559	ng/ul#	99
44) Dimethylphthalate	14.56	163	208219	3.231	ng/ul#	97
47) Acenaphthylene	14.86	152	799174	10.019	ng/ul#	89
49) Acenaphthene	15.20	153	14819342	261.430	ng/ul	91
53) Dibenzofuran	15.43	168	612568	7.782	ng/ul#	49
54) 2,4-Dinitrotoluene	15.43	165	257130	14.763	ng/ul#	70
58) Fluorene	16.07	166	86277	1.357	ng/ul#	1
60) 4-Nitroaniline	16.18	138	306812	22.609	ng/ul#	12
64) N-Nitrosodiphenylamine	16.36	169	154090	2.968	ng/ul#	1
69) Phenanthrene	17.99	178	15982402	166.243	ng/ul#	80
71) Anthracene	17.99	178	15982402	163.807	ng/ul#	78
72) Carbazole	18.23	167	447055	5.371	ng/ul#	91

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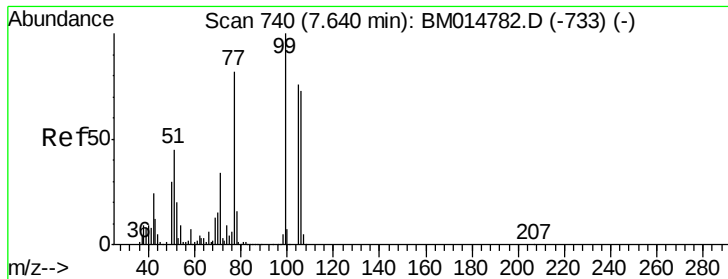
Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 24 12:38:41 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Di-n-butylphthalate	18.75	149	1102982	10.898	ng/ul#	74
74) Fluoranthene	19.85	202	3517699	33.561	ng/ul#	58
77) Pyrene	20.12	202	225952	2.078	ng/ul#	73
78) Butylbenzylphthalate	21.04	149	1157780	26.105	ng/ul	89
80) Benzo(a)anthracene	21.98	228	13742575	126.307	ng/ul#	84
81) Bis(2-ethylhexyl)phthalate	21.80	149	7762163	119.236	ng/ul	98
82) Chrysene	21.98	228	13742575	134.922	ng/ul#	88
84) Di-n-octyl phthalate	22.76	149	567792	5.101	ng/ul#	92
85) Benzo(b)fluoranthene	23.67	252	13980438	122.535	ng/ul#	95
86) Benzo(k)fluoranthene	23.72	252	4870841	44.396	ng/ul#	93
88) Benzo(a)pyrene	24.33	252	9358469	86.471	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	27.01	276	3384236	25.848	ng/ul#	91
90) Dibenzo(a,h)anthracene	27.01	278	976353	8.857	ng/ul#	91
91) Benzo(q,h,i)perylene	27.81	276	2436203	22.618	ng/ul#	89

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



#4

Benzaldehyde

Concen: 1.680 ng/ul

RT: 7.65 min Scan# 741

Delta R.T. 0.01 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampleId :

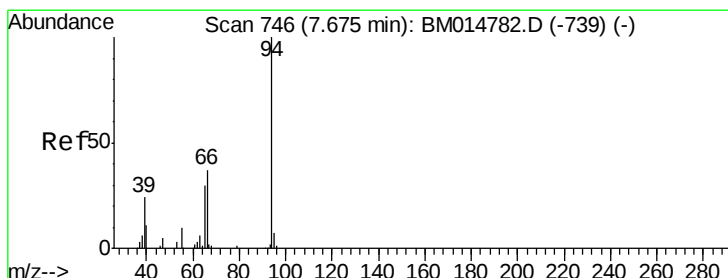
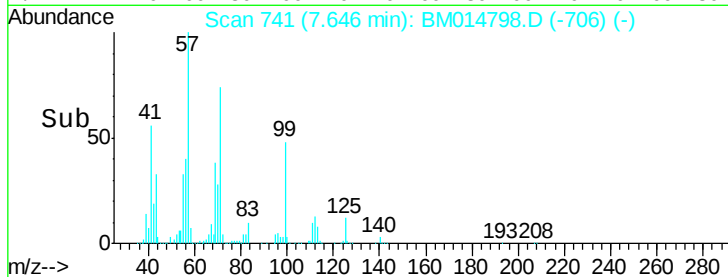
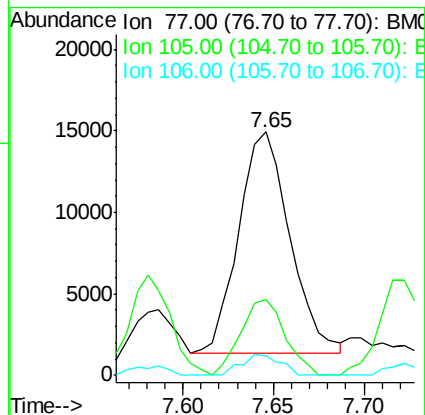
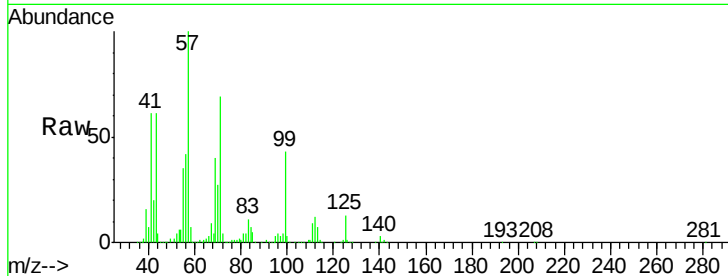
Tot Ion: 77 Resp: 26869

Ion Ratio Lower Upper

77 100

105 30.9 66.1 99.1#

106 7.8 67.8 101.6#



#6

Phenol

Concen: 1.445 ng/ul

RT: 7.67 min Scan# 746

Delta R.T. 0.00 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

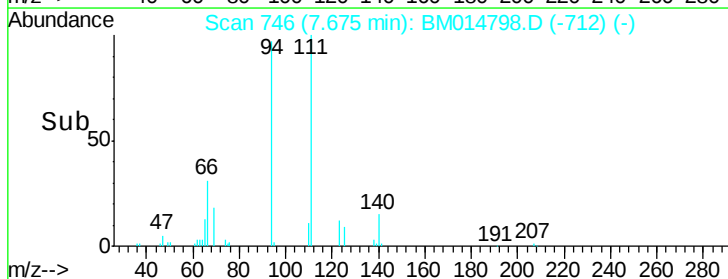
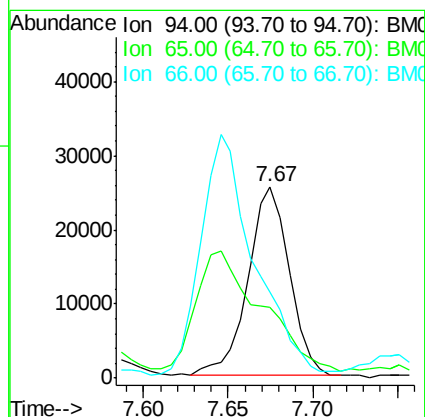
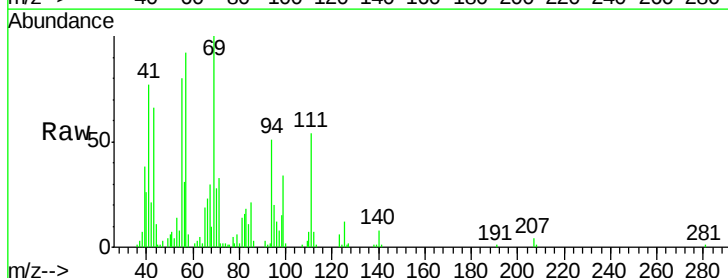
Tgt Ion: 94 Resp: 43224

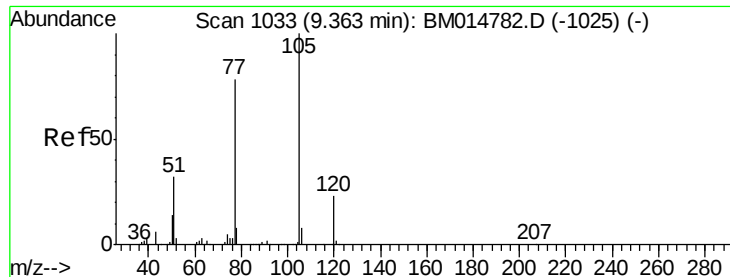
Ion Ratio Lower Upper

94 100

65 36.7 28.2 42.4

66 45.0 47.2 70.8#

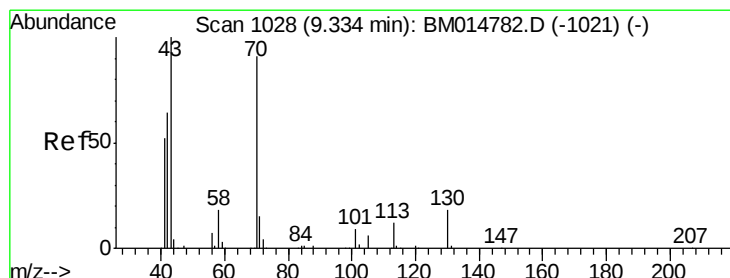
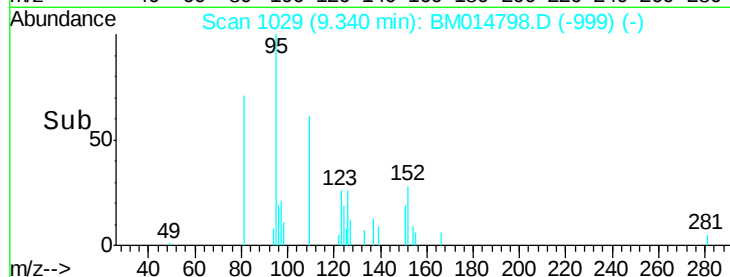
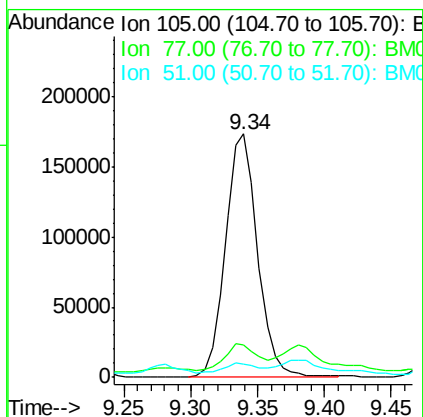
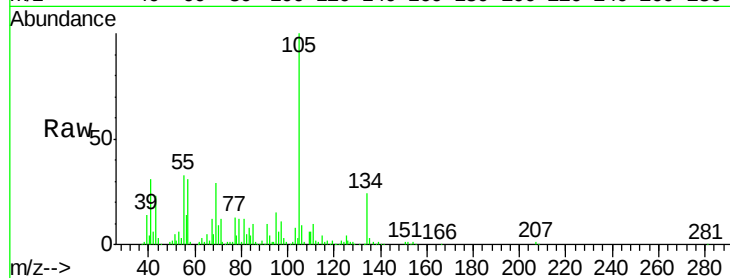




#14
Acetophenone
Concen: 8.127 ng/ul
RT: 9.34 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

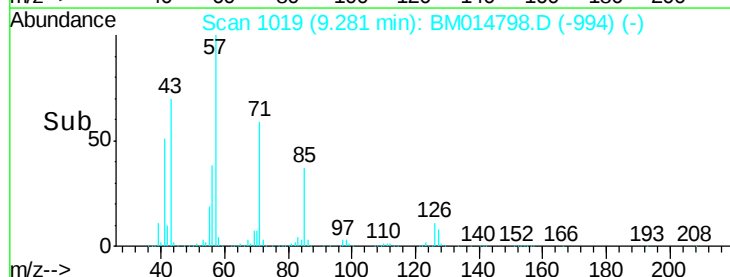
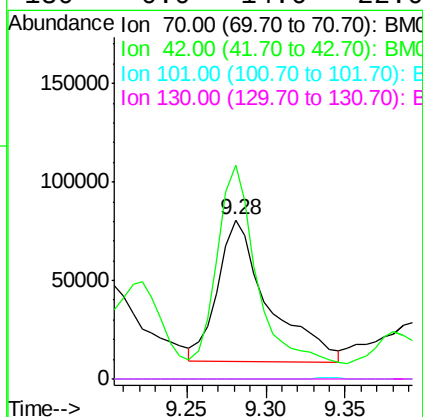
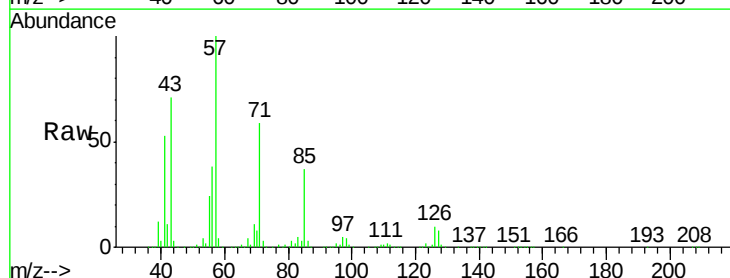
Instrument :
BNA_M
ClientSampleId :

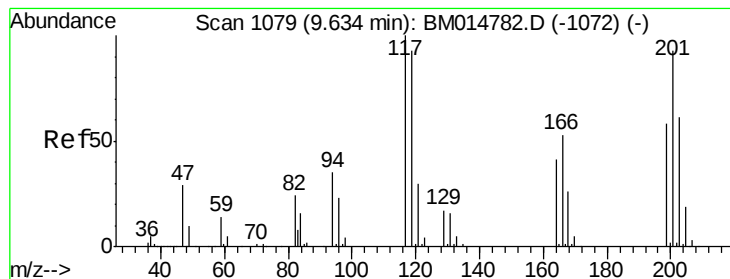
Tot Ion:105 Resp: 288679
Ion Ratio Lower Upper
105 100
77 13.3 74.2 111.4#
51 5.3 23.4 35.2#



#15
N-Nitroso-di-n-propylamine
Concen: 8.602 ng/ul
RT: 9.28 min Scan# 1019
Delta R.T. -0.05 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

Tgt Ion: 70 Resp: 158554
Ion Ratio Lower Upper
70 100
42 134.3 76.0 114.0#
101 0.0 6.7 10.1#
130 0.0 14.6 22.0#





#17

Hexachloroethane

Concen: 8.561 ng/ul

RT: 9.64 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampleId :

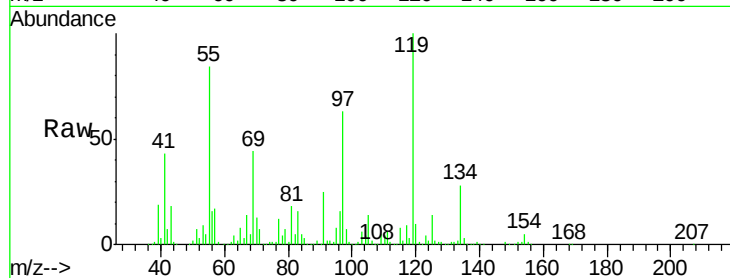
Tot Ion:117 Resp: 87685

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

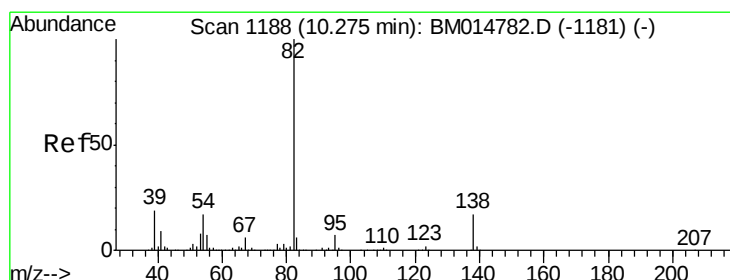
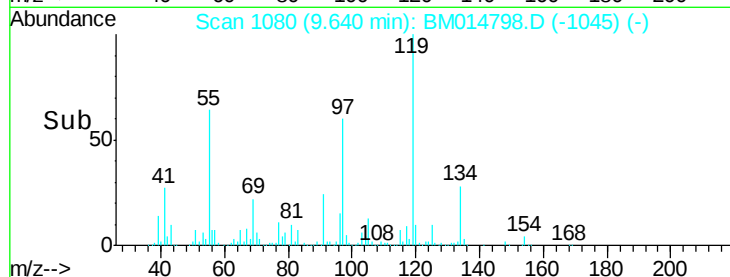
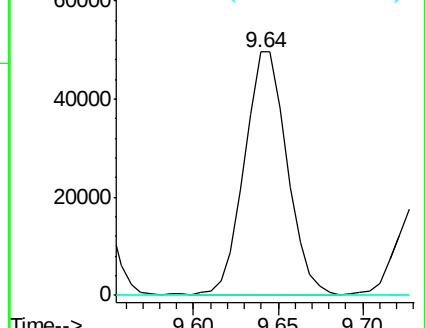
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#21

Isophorone

Concen: 2.208 ng/ul

RT: 10.28 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

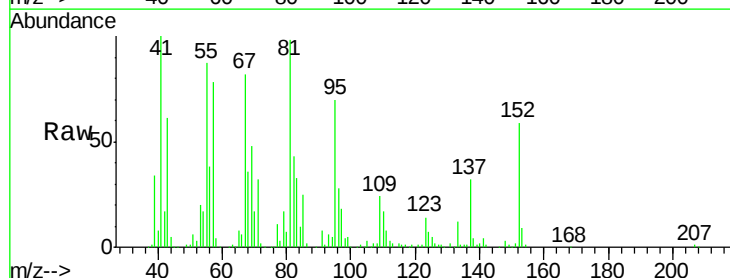
Tgt Ion: 82 Resp: 107325

Ion Ratio Lower Upper

82 100

95 162.7 7.8 11.8#

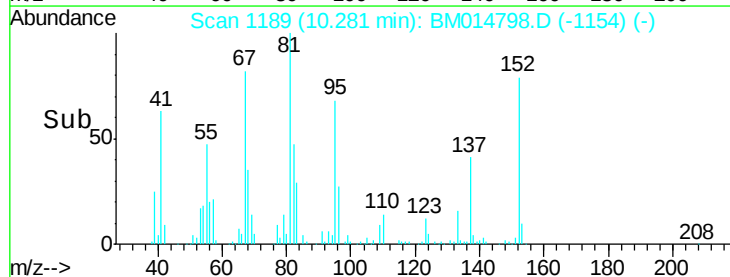
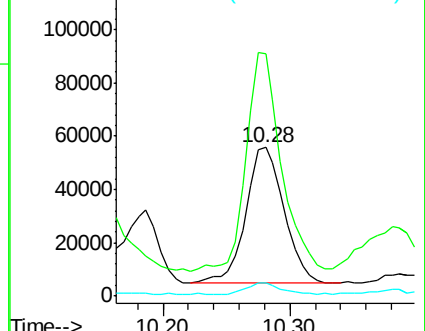
138 8.5 11.9 17.9#

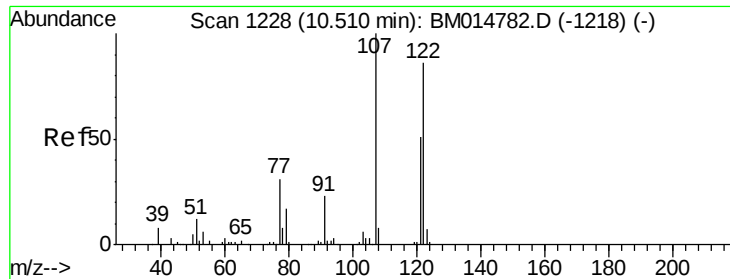


Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 138.00 (137.70 to 138.70): E

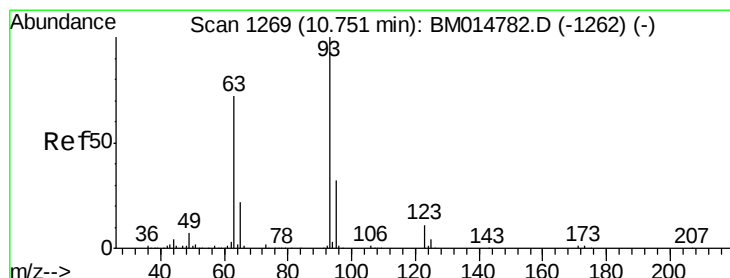
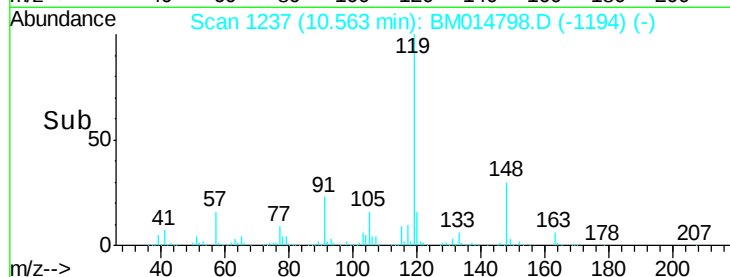
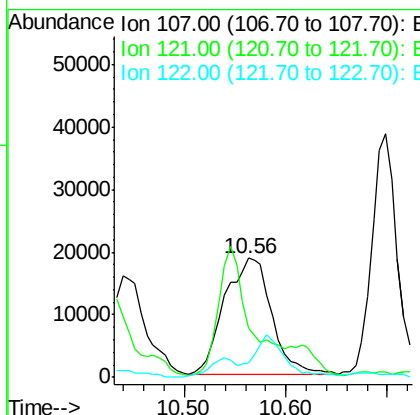
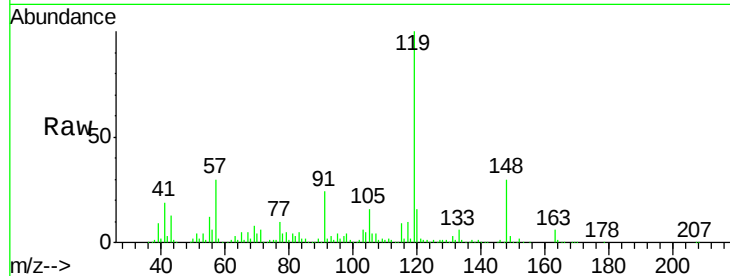




#24
 2,4-Dimethylphenol
 Concen: 2.191 ng/ul
 RT: 10.56 min Scan# 1237
 Delta R.T. 0.05 min
 Lab File: BM014798.D
 Acq: 24 Apr 2018 04:29

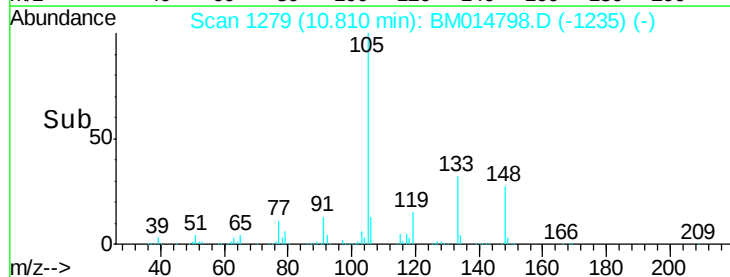
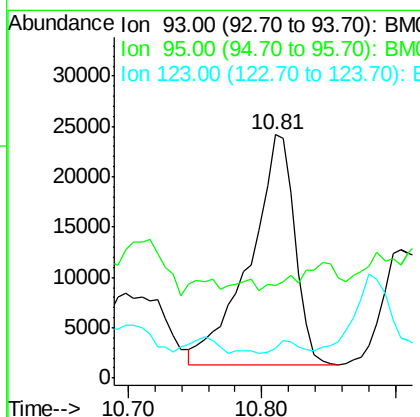
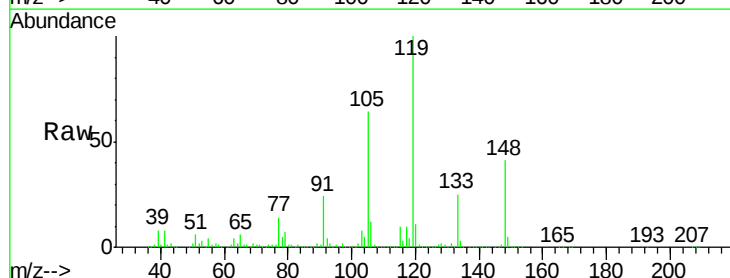
Instrument :
 BNA_M
 ClientSampleId :

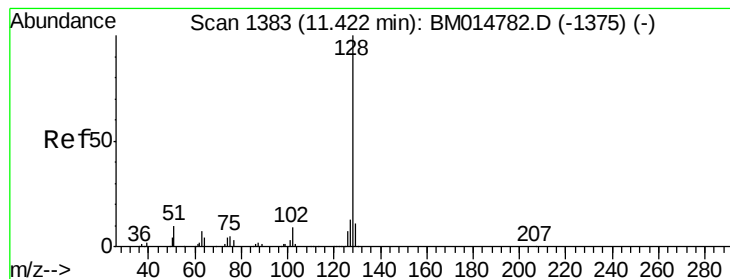
Tot Ion:107 Resp: 59577
 Ion Ratio Lower Upper
 107 100
 121 40.7 31.9 47.9
 122 12.5 57.8 86.6#



#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.654 ng/ul
 RT: 10.81 min Scan# 1279
 Delta R.T. 0.06 min
 Lab File: BM014798.D
 Acq: 24 Apr 2018 04:29

Tgt Ion: 93 Resp: 54039
 Ion Ratio Lower Upper
 93 100
 95 38.0 28.5 42.7
 123 12.0 8.9 13.3





#28

Naphthalene

Concen: 9.208 ng/ul

RT: 11.42 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampleId :

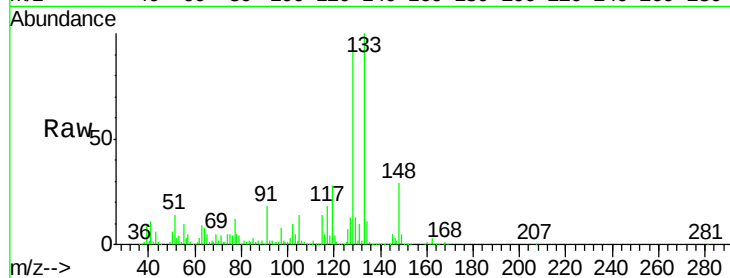
Tot Ion:128 Resp: 738339

Ion Ratio Lower Upper

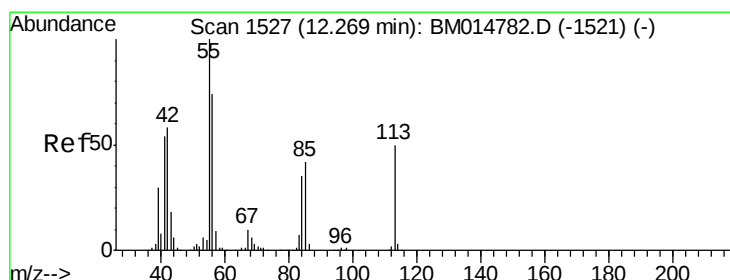
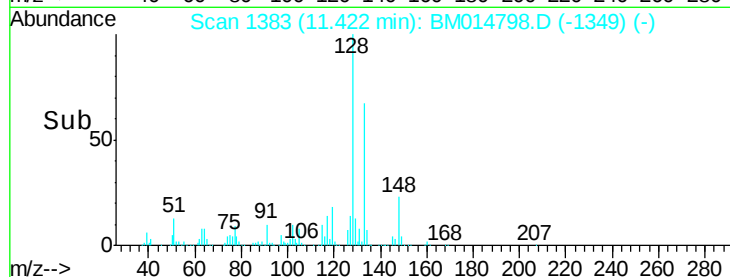
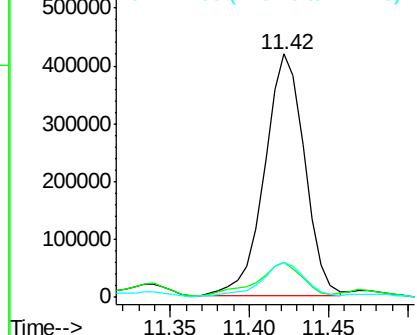
128 100

129 14.2 8.8 13.2#

127 14.3 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Caprolactam

Concen: 1.988 ng/ul

RT: 12.24 min Scan# 1522

Delta R.T. -0.03 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

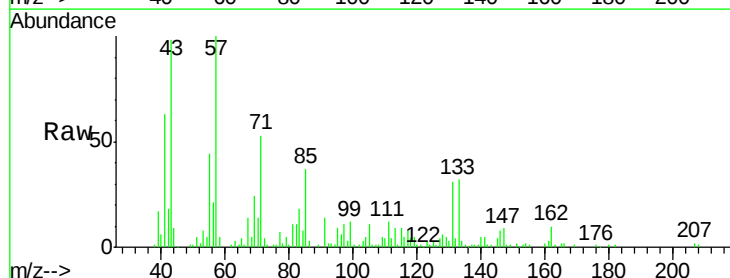
Tgt Ion:113 Resp: 13165

Ion Ratio Lower Upper

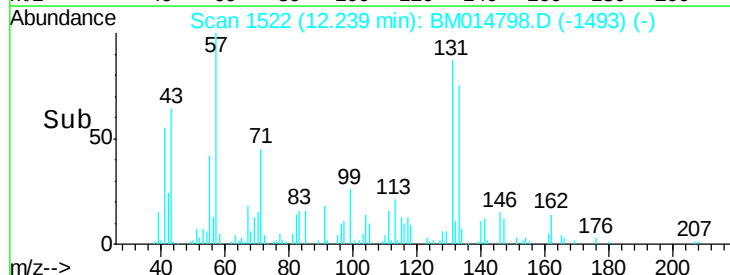
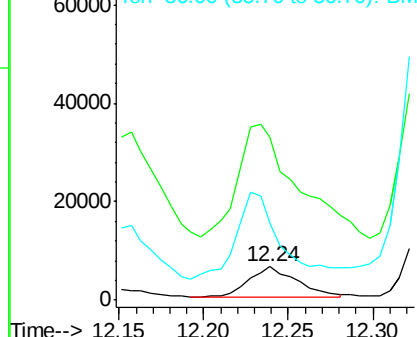
113 100

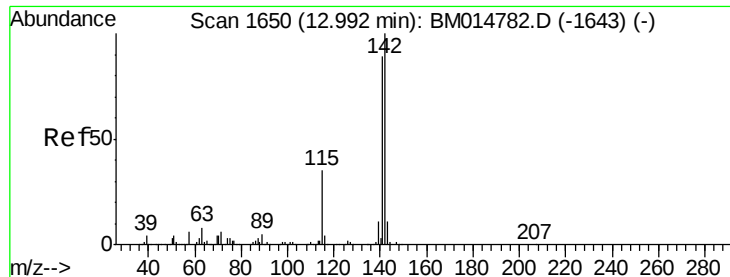
55 485.7 208.0 312.0#

56 229.1 160.0 240.0



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BM014798.D (-1521) (-)
Ion 56.00 (55.70 to 56.70): BM014798.D (-1493) (-)

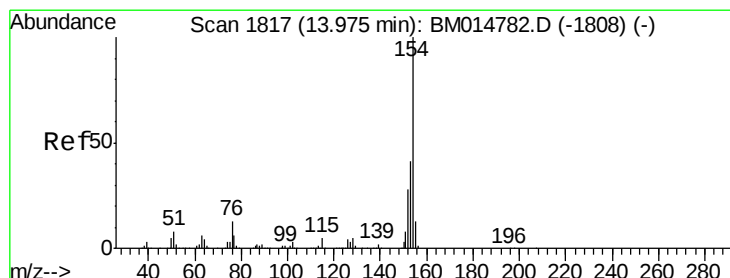
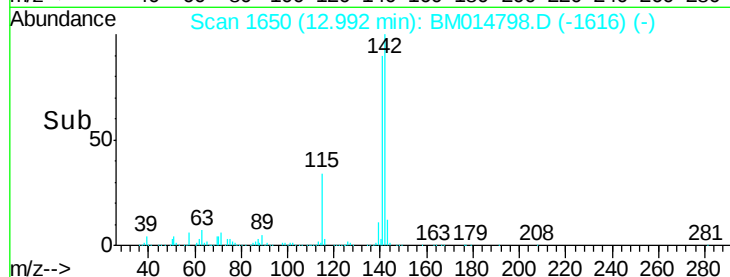
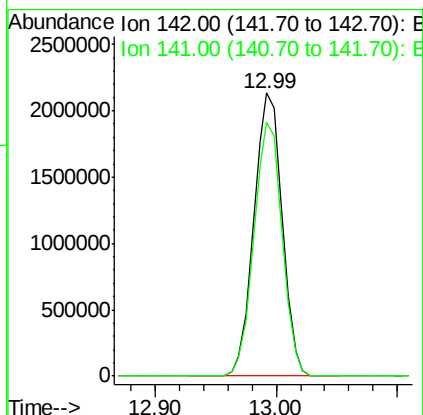
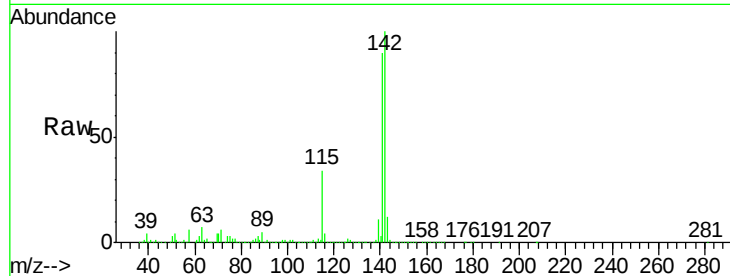




#34
 2-Methylnaphthalene
 Concen: 62.369 ng/ul
 RT: 12.99 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: BM014798.D
 Acq: 24 Apr 2018 04:29

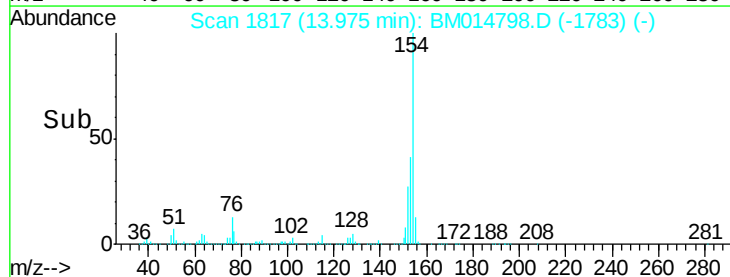
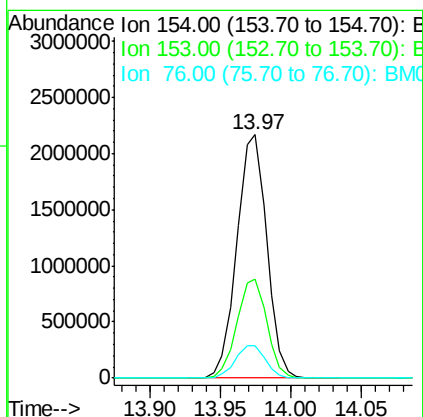
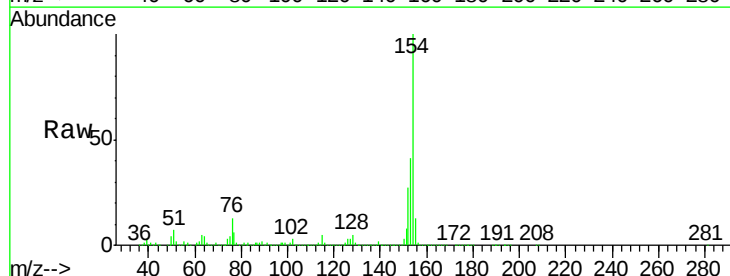
Instrument :
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 ClientSampleId :

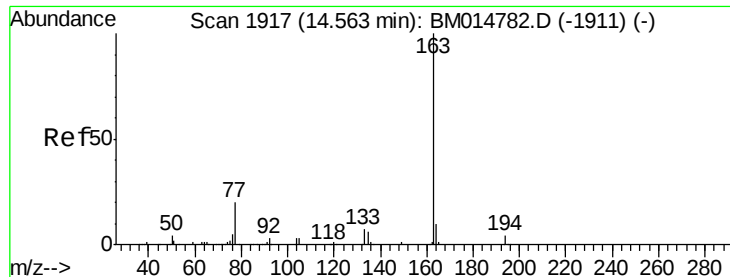
Tot Ion:142 Resp: 3472941
 Ion Ratio Lower Upper
 142 100
 141 89.8 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 46.559 ng/ul
 RT: 13.97 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: BM014798.D
 Acq: 24 Apr 2018 04:29

Tgt Ion:154 Resp: 3197831
 Ion Ratio Lower Upper
 154 100
 153 40.7 32.6 48.8
 76 13.2 8.5 12.7#

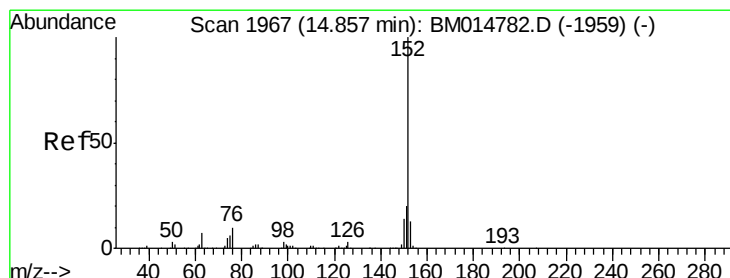
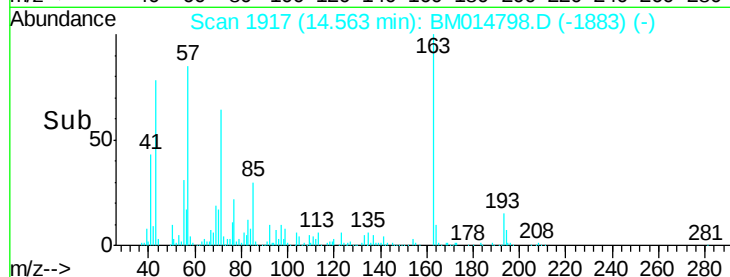
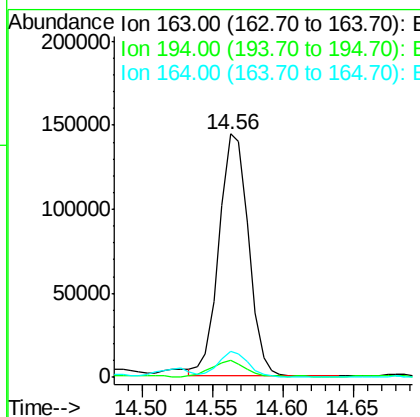
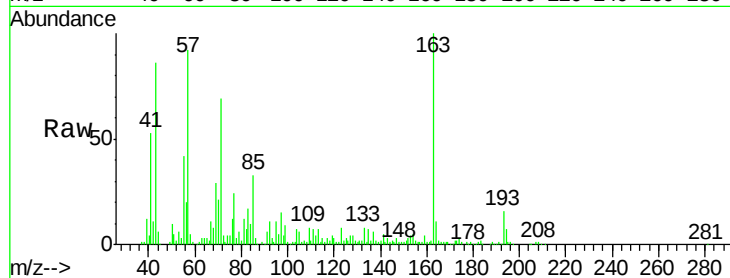




#44
Dimethylphthalate
Concen: 3.231 ng/ul
RT: 14.56 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

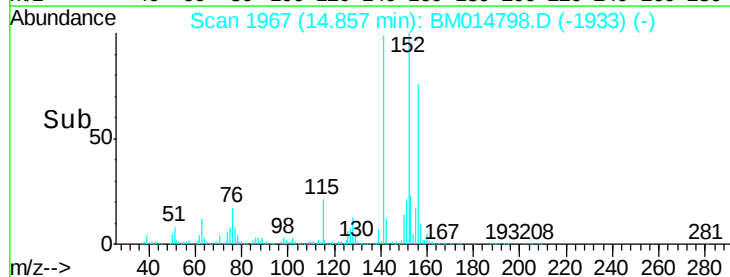
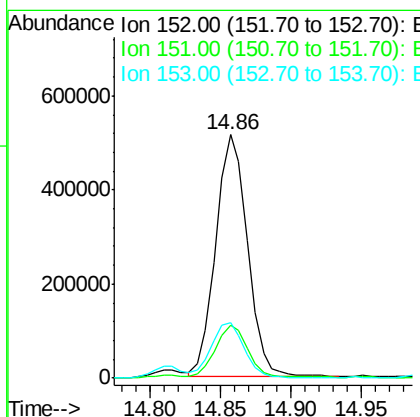
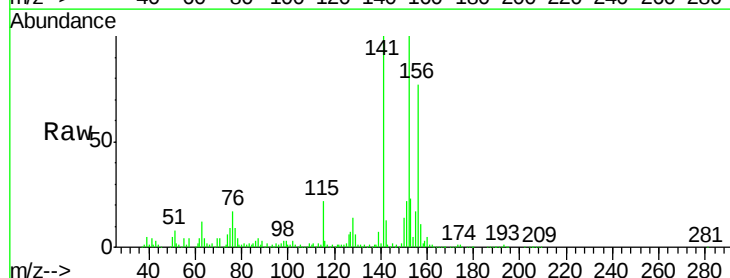
Instrument :
BNA_M
ClientSampleId :

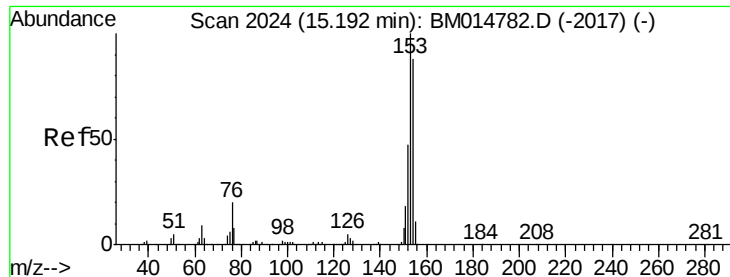
Tot Ion:163 Resp: 208219
Ion Ratio Lower Upper
163 100
194 6.9 3.5 5.3#
164 10.7 8.2 12.4



#47
Acenaphthylene
Concen: 10.019 ng/ul
RT: 14.86 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

Tgt Ion:152 Resp: 799174
Ion Ratio Lower Upper
152 100
151 21.6 16.3 24.5
153 22.8 10.2 15.4#





#49

Acenaphthene

Concen: 261.430 ng/ul

RT: 15.20 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampleId :

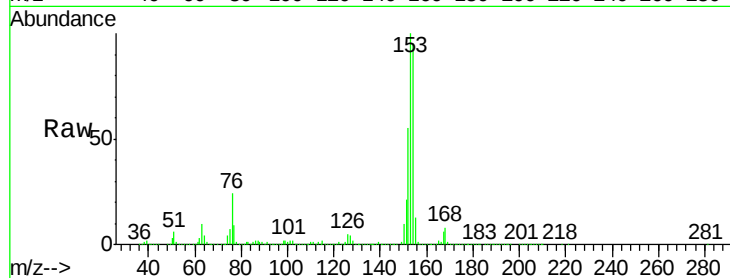
Tot Ion:153 Resp:14819342

Ion Ratio Lower Upper

153 100

152 54.8 37.6 56.4

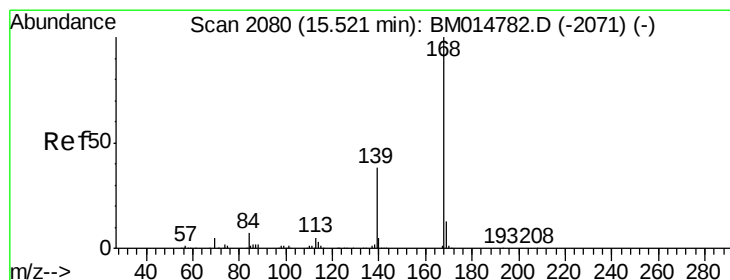
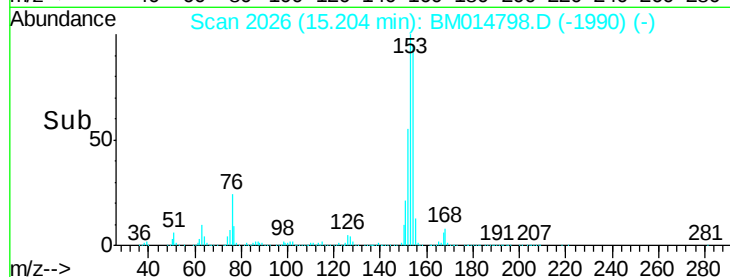
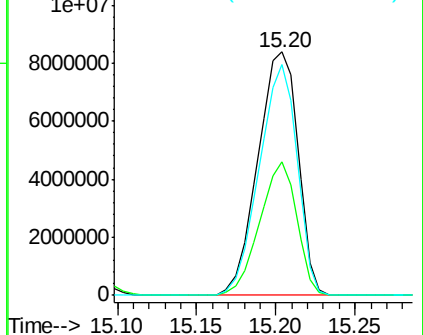
154 94.9 70.4 105.6



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



#53

Dibenzofuran

Concen: 7.782 ng/ul

RT: 15.43 min Scan# 2065

Delta R.T. -0.09 min

Lab File: BM014798.D

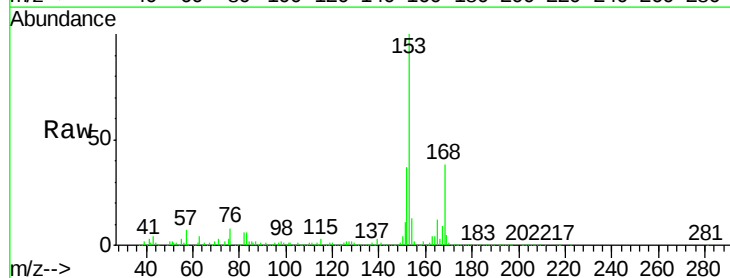
Acq: 24 Apr 2018 04:29

Tgt Ion:168 Resp: 612568

Ion Ratio Lower Upper

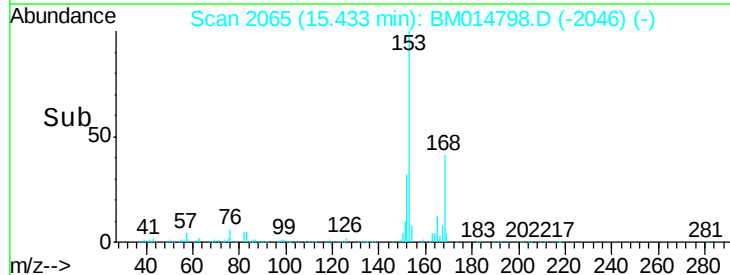
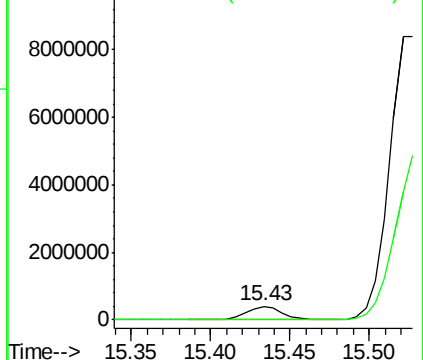
168 100

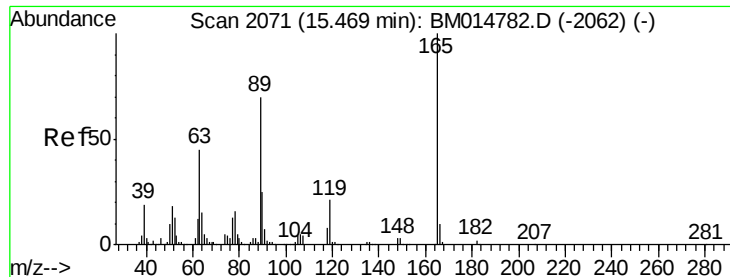
139 7.6 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 14.763 ng/ul

RT: 15.43 min Scan# 2065

Delta R.T. -0.04 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampleId :

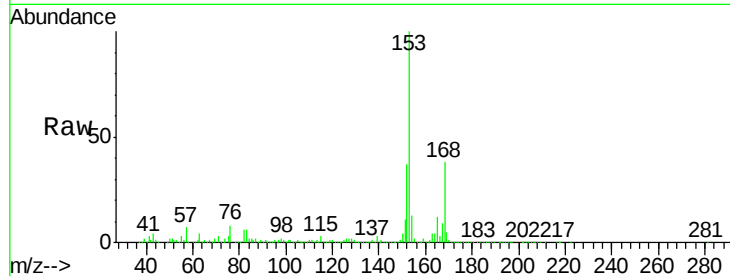
Tot Ion:165 Resp: 257130

Ion Ratio Lower Upper

165 100

63 34.4 45.8 68.8#

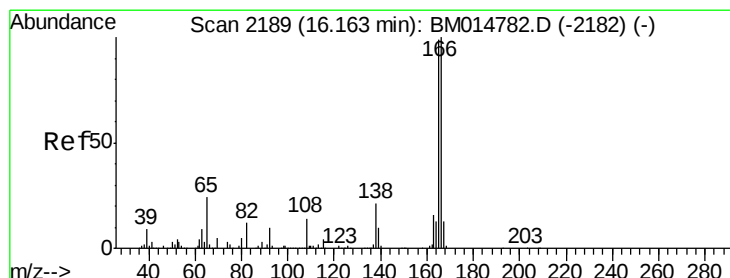
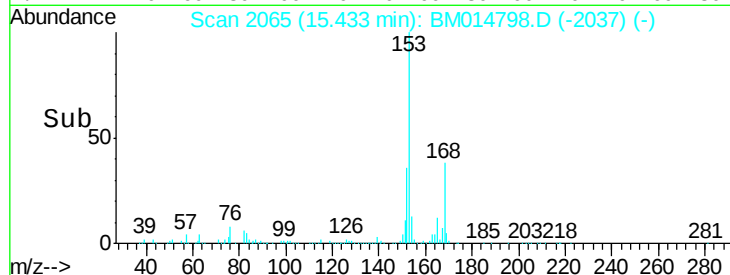
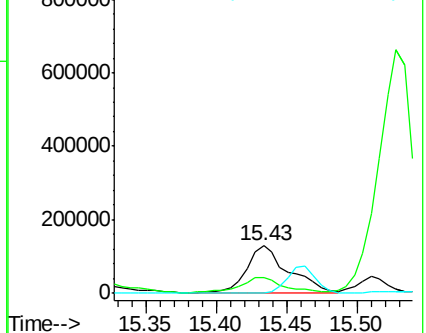
182 1.1 2.6 4.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 1.357 ng/ul

RT: 16.07 min Scan# 2173

Delta R.T. -0.09 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

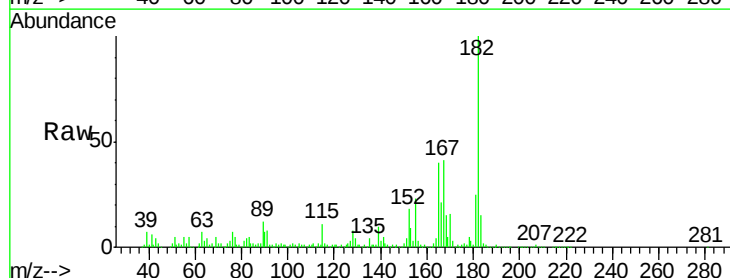
Tgt Ion:166 Resp: 86277

Ion Ratio Lower Upper

166 100

165 192.7 77.9 116.9#

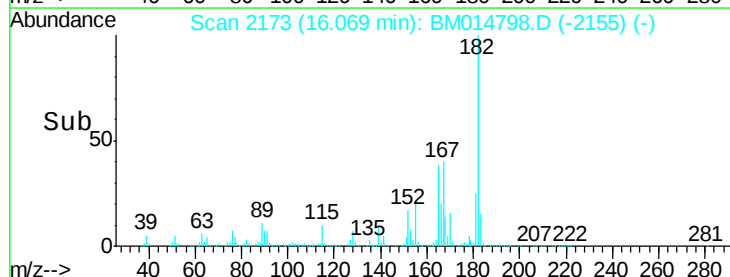
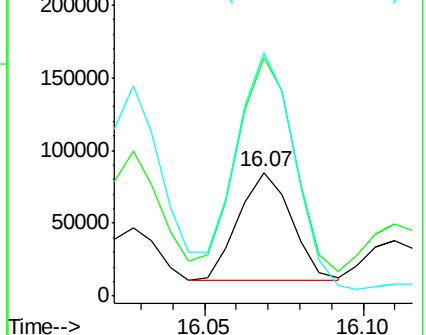
167 196.6 10.6 16.0#

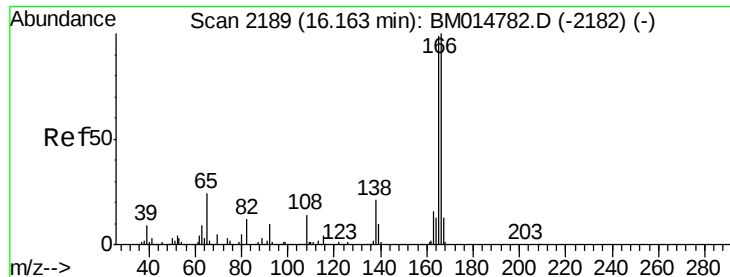


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

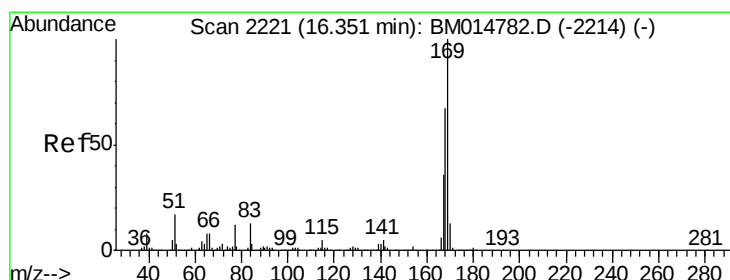
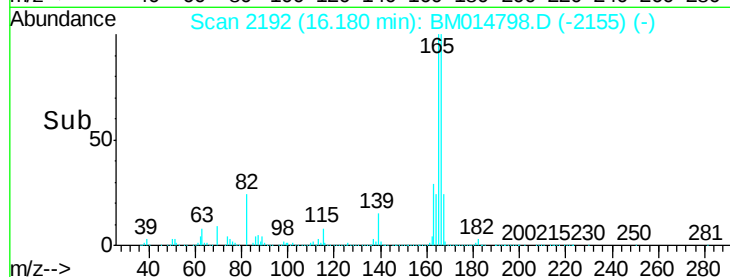
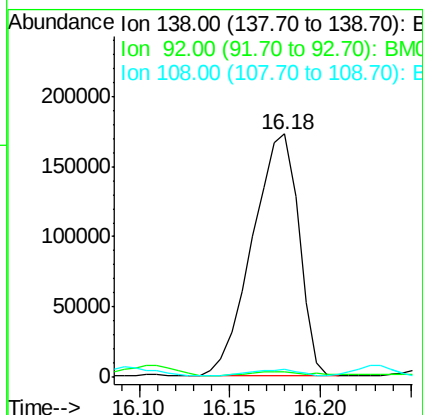
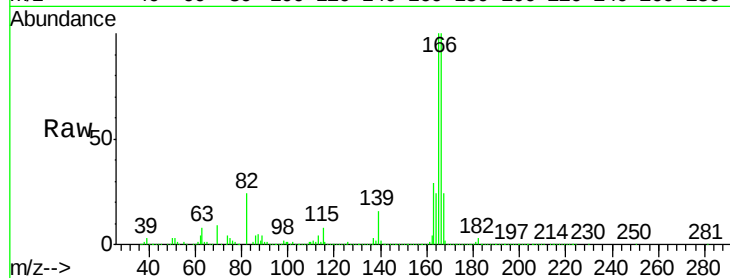




#60
4-Nitroaniline
Concen: 22.609 ng/ul
RT: 16.18 min Scan# 2192
Delta R.T. 0.02 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

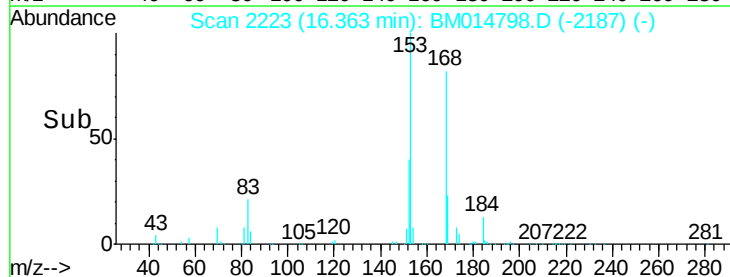
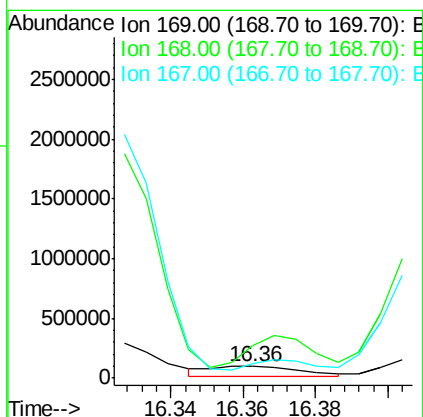
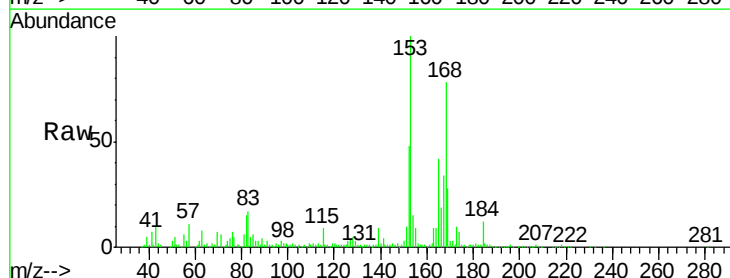
Instrument :
BNA_M
ClientSampleId :

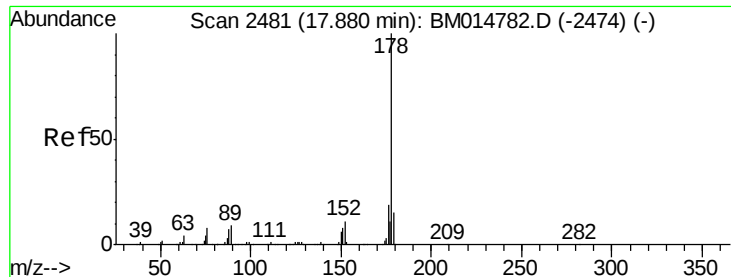
Tot Ion:138 Resp: 306812
Ion Ratio Lower Upper
138 100
92 2.1 40.0 60.0#
108 3.2 80.0 120.0#



#64
N-Nitrosodiphenylamine
Concen: 2.968 ng/ul
RT: 16.36 min Scan# 2223
Delta R.T. 0.01 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

Tgt Ion:169 Resp: 154090
Ion Ratio Lower Upper
169 100
168 275.5 54.0 81.0#
167 121.3 29.1 43.7#





#69

Phenanthrene

Concen: 166.243 ng/ul

RT: 17.99 min Scan# 2500

Delta R.T. 0.11 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampleId :

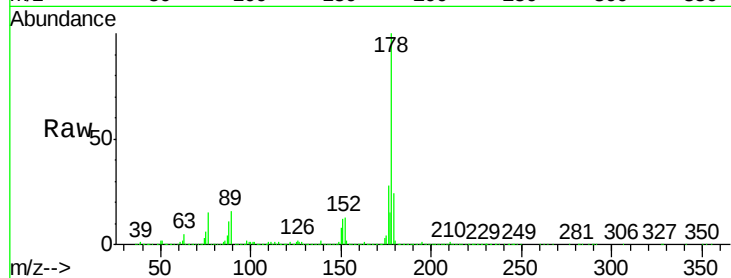
Tot Ion:178 Resp:15982402

Ion Ratio Lower Upper

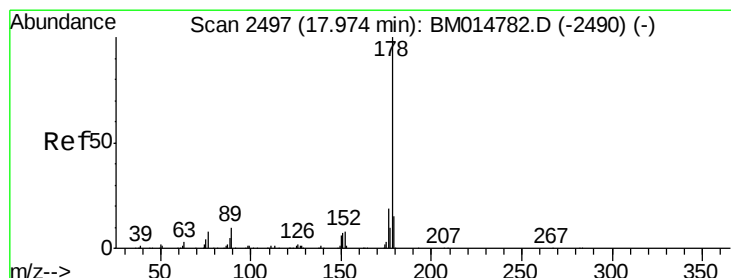
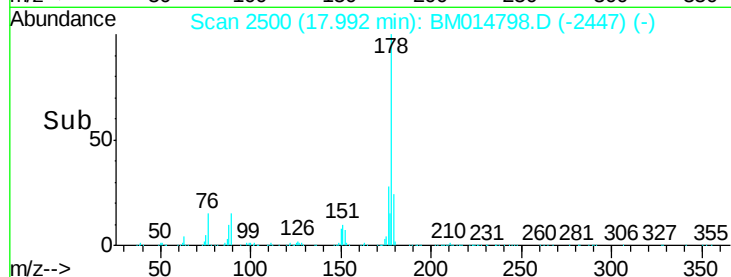
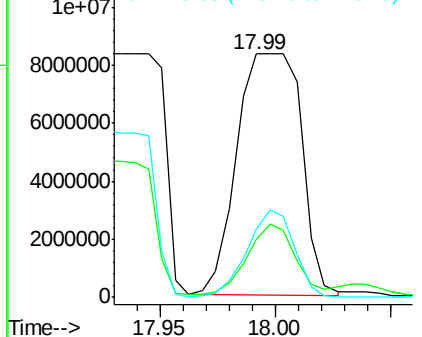
178 100

179 24.0 12.6 19.0#

176 28.1 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: 163.807 ng/ul

RT: 17.99 min Scan# 2500

Delta R.T. 0.02 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

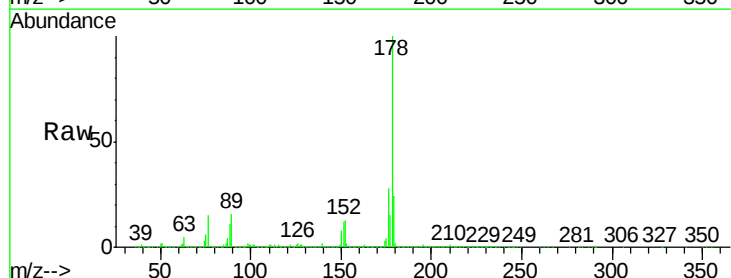
Tgt Ion:178 Resp:15982402

Ion Ratio Lower Upper

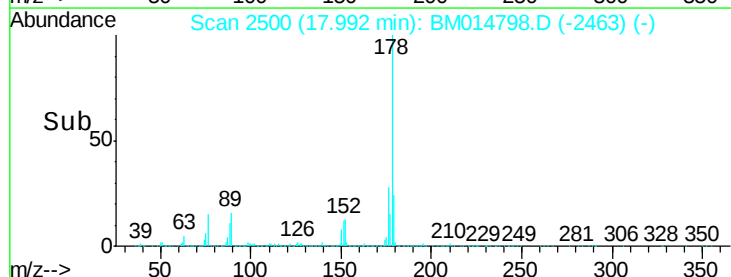
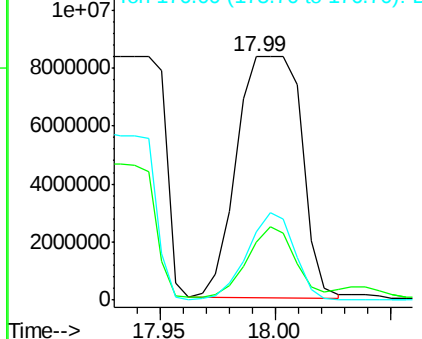
178 100

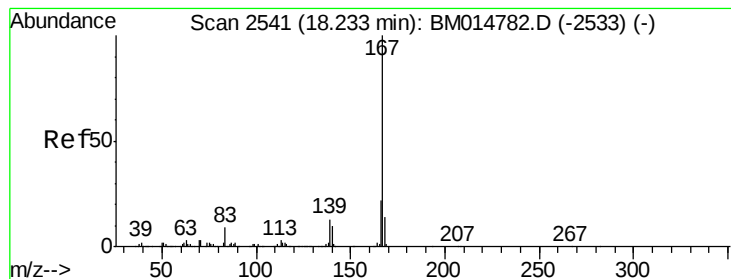
179 24.0 11.7 17.5#

176 28.1 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: 5.371 ng/ul

RT: 18.23 min Scan# 2541

Delta R.T. 0.00 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampleId :

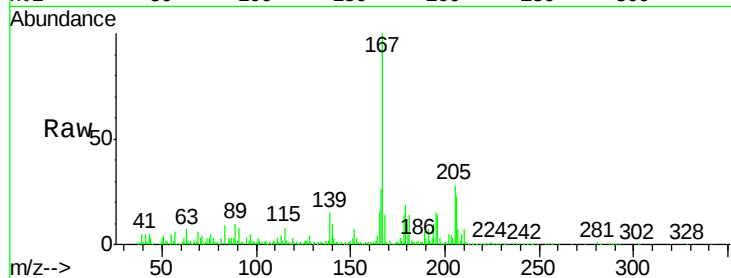
Tot Ion:167 Resp: 447055

Ion Ratio Lower Upper

167 100

166 26.4 17.1 25.7#

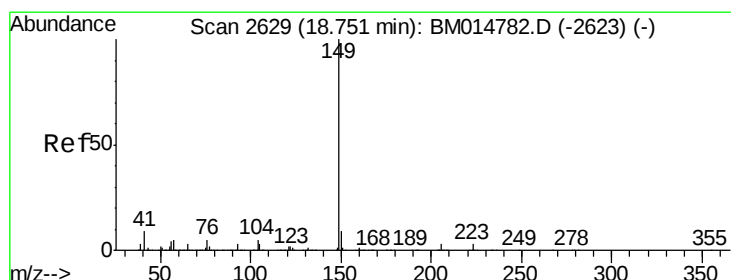
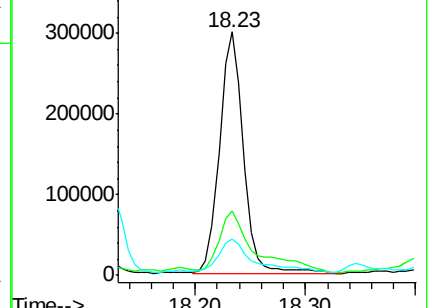
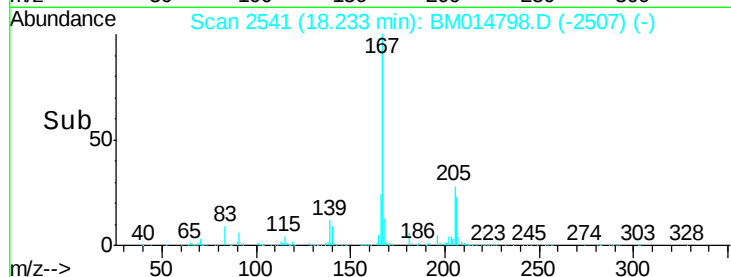
139 14.9 10.0 15.0



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: 10.898 ng/ul

RT: 18.75 min Scan# 2629

Delta R.T. 0.00 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

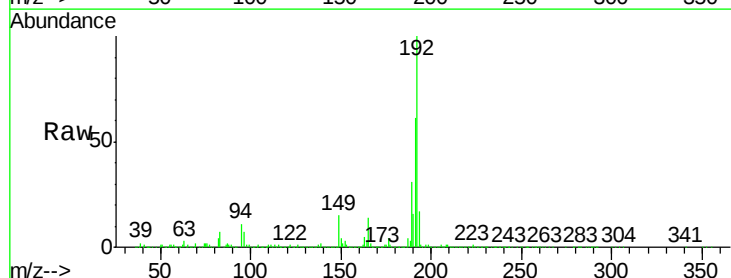
Tgt Ion:149 Resp: 1102982

Ion Ratio Lower Upper

149 100

150 23.7 7.1 10.7#

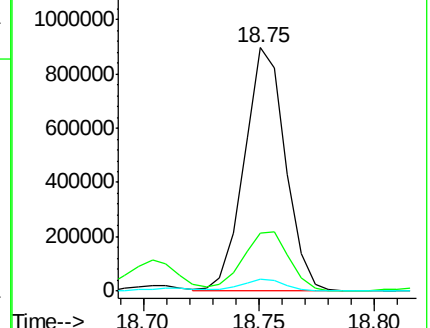
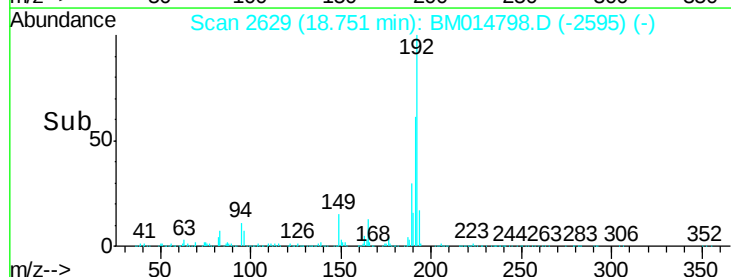
104 4.9 5.6 8.4#

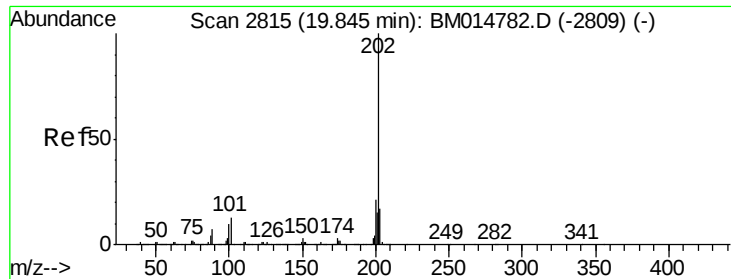


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 33.561 ng/ul

RT: 19.85 min Scan# 2816

Delta R.T. 0.01 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampleId :

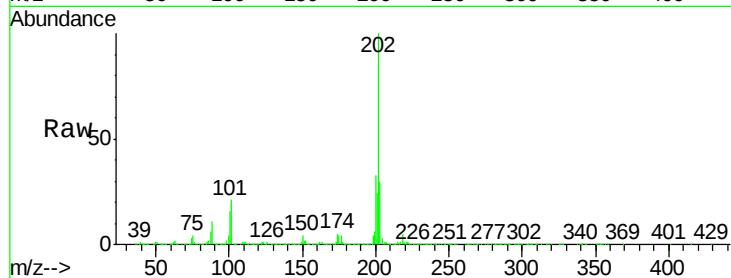
Tot Ion:202 Resp: 3517699

Ion Ratio Lower Upper

202 100

101 21.1 4.6 7.0#

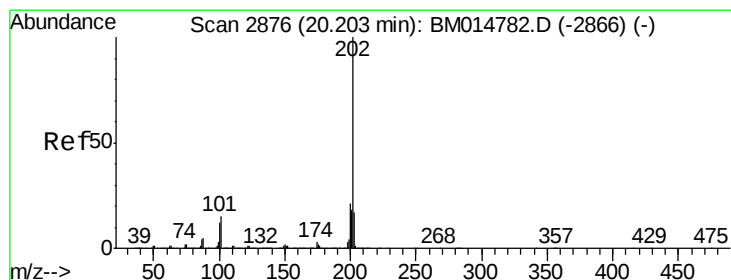
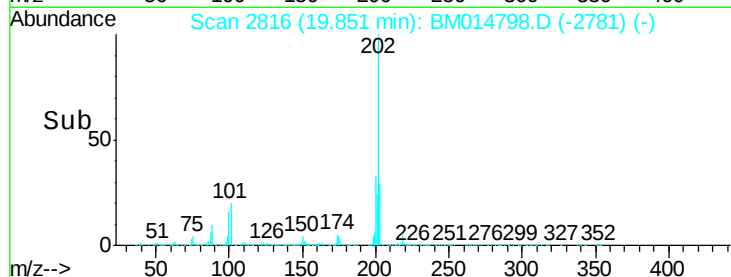
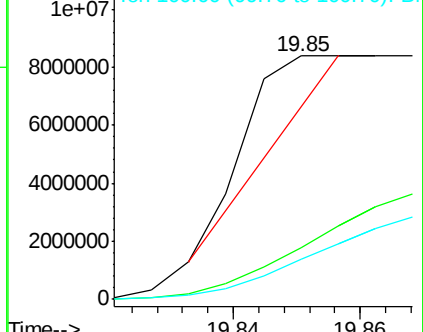
100 16.2 3.4 5.2#



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: 2.078 ng/ul

RT: 20.12 min Scan# 2861

Delta R.T. -0.09 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

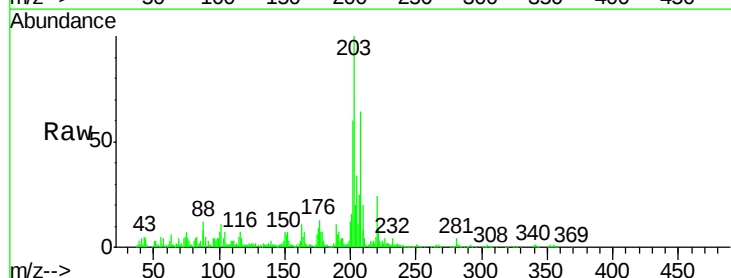
Tgt Ion:202 Resp: 225952

Ion Ratio Lower Upper

202 100

101 19.1 5.1 7.7#

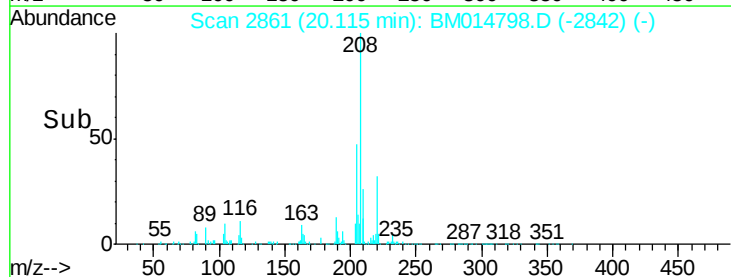
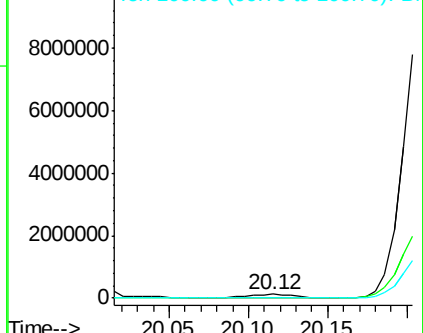
100 11.6 4.9 7.3#

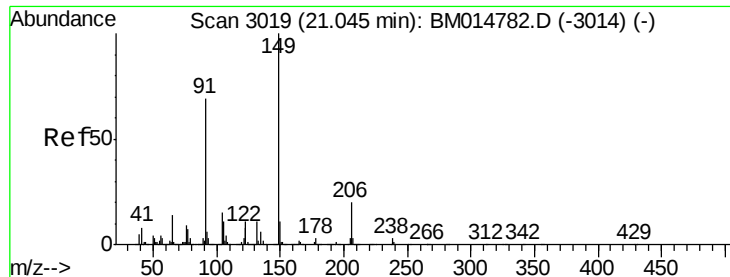


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 26.105 ng/ul

RT: 21.04 min Scan# 3019

Delta R.T. 0.00 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampled :

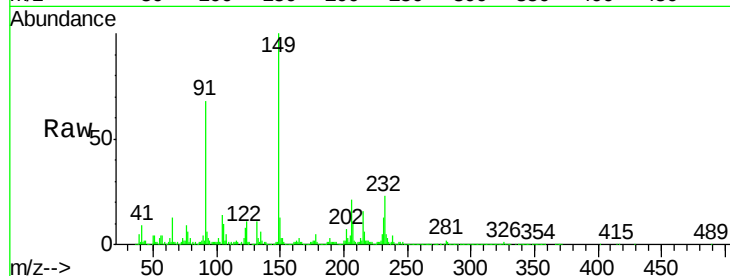
Tot Ion:149 Resp: 1157780

Ion Ratio Lower Upper

149 100

91 68.1 62.7 94.1

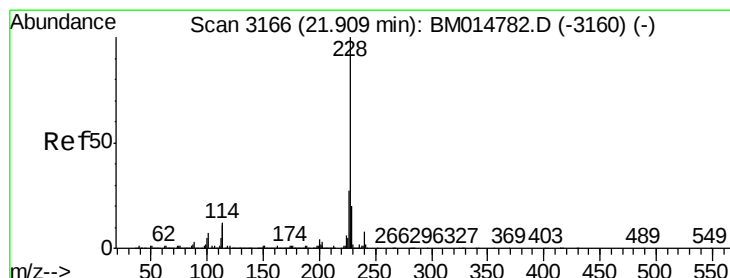
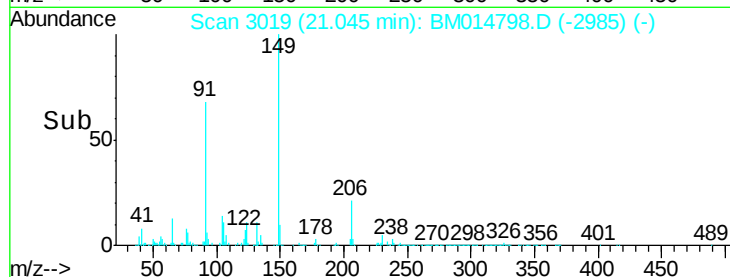
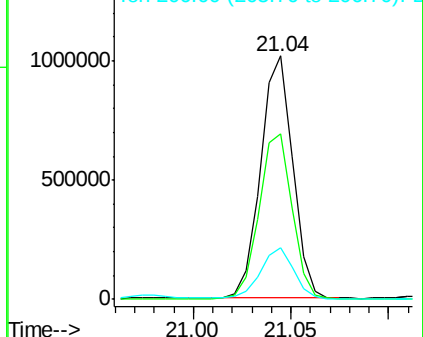
206 21.4 20.8 31.2



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



#80

Benzo(a)anthracene

Concen: 126.307 ng/ul

RT: 21.98 min Scan# 3178

Delta R.T. 0.07 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

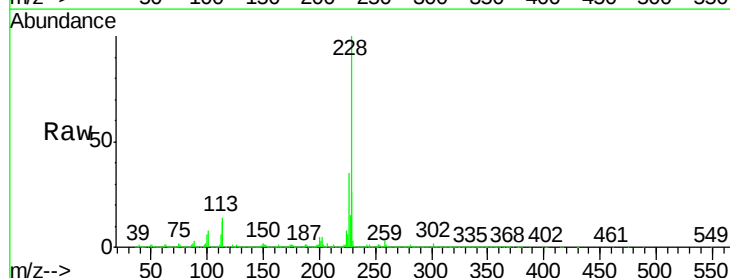
Tgt Ion:228 Resp:13742575

Ion Ratio Lower Upper

228 100

229 26.3 15.4 23.0#

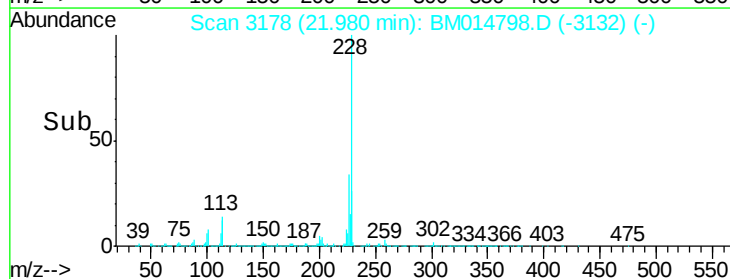
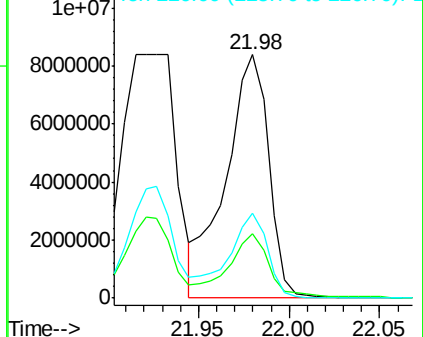
226 34.6 21.4 32.0#

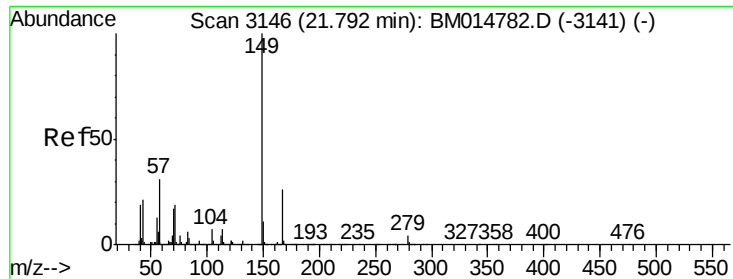


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 119.236 ng/ul

RT: 21.80 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

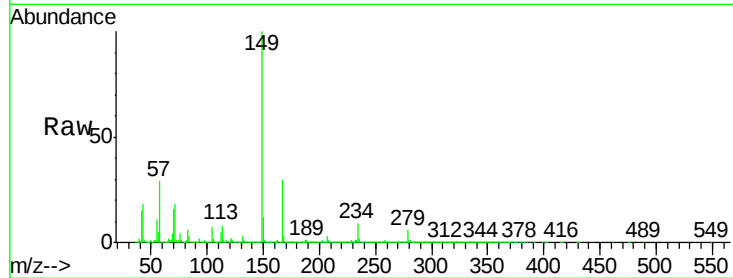
Instrument :

BNA_M

ClientSampleId :

Tot Ion:149 Resp: 7762163

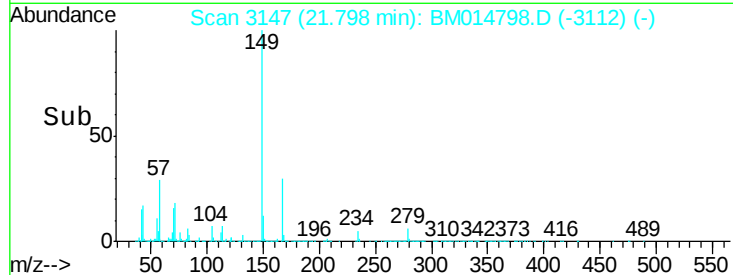
Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.8	34.2
279	5.6	4.9	7.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

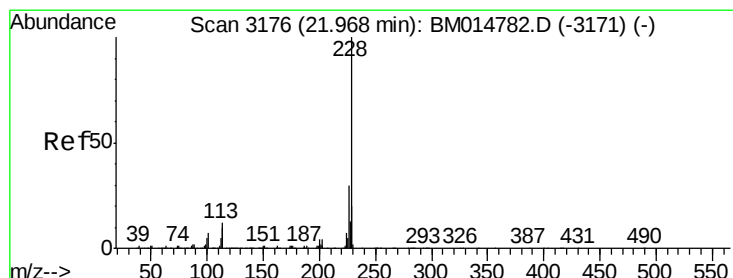
Ion 279.00 (278.70 to 279.70): E



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: 134.922 ng/ul

RT: 21.98 min Scan# 3178

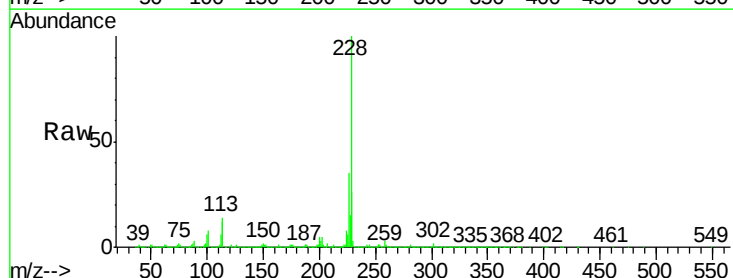
Delta R.T. 0.01 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Tgt Ion:228 Resp:13742575

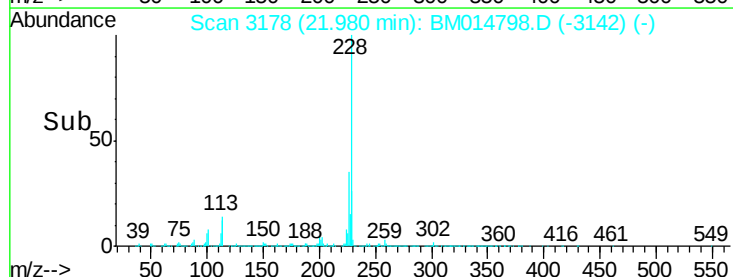
Ion	Ratio	Lower	Upper
228	100		
226	34.6	23.4	35.2
229	26.3	15.5	23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

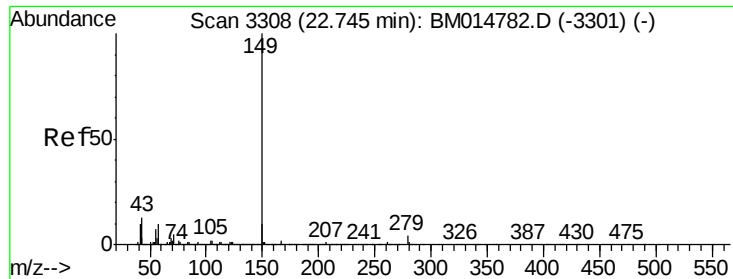
Ion 229.00 (228.70 to 229.70): E



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



#84

Di-n-octyl phthalate

Concen: 5.101 ng/ul

RT: 22.76 min Scan# 3310

Delta R.T. 0.01 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampled :

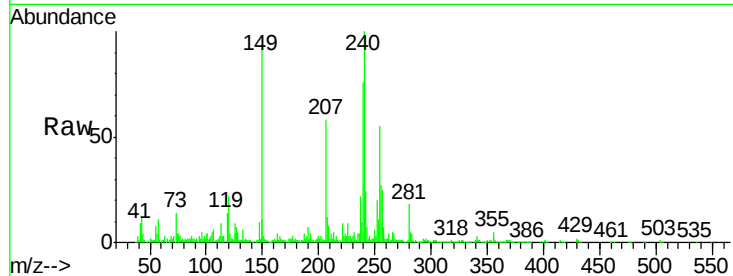
Tot Ion:149 Resp: 567792

Ion Ratio Lower Upper

149 100

167 2.4 1.3 1.9#

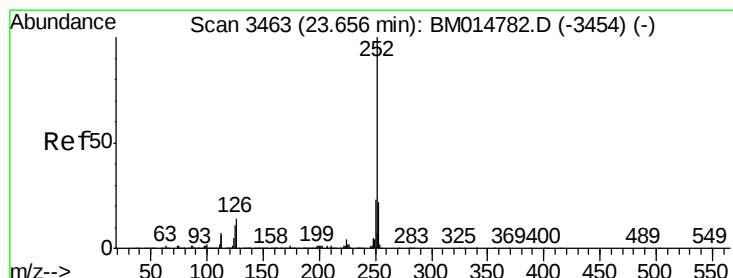
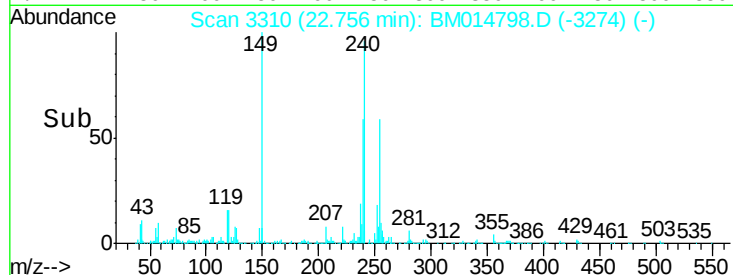
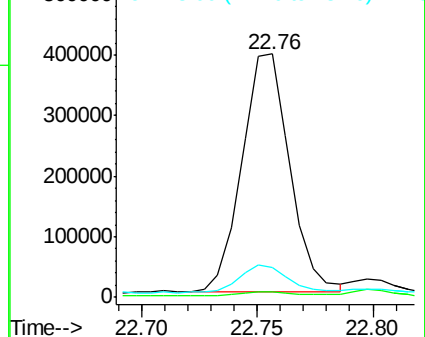
43 12.5 7.3 10.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#85

Benzo(b)fluoranthene

Concen: 122.535 ng/ul

RT: 23.67 min Scan# 3466

Delta R.T. 0.02 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

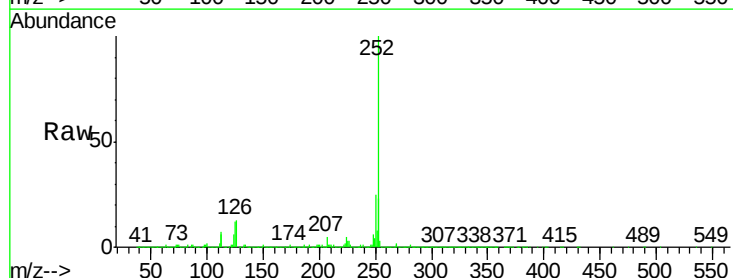
Tgt Ion:252 Resp:13980438

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

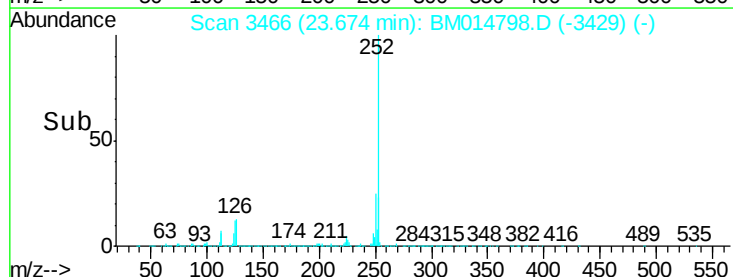
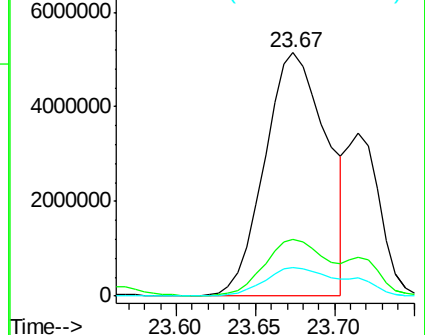
125 11.7 3.6 5.4#

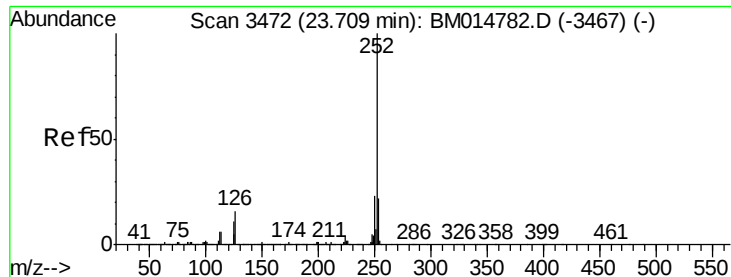


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

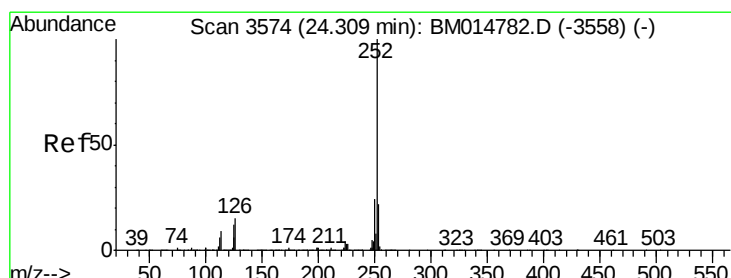
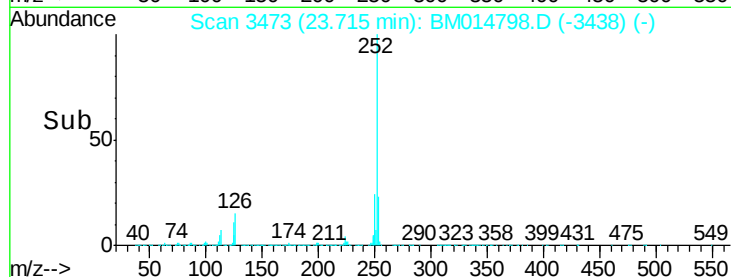
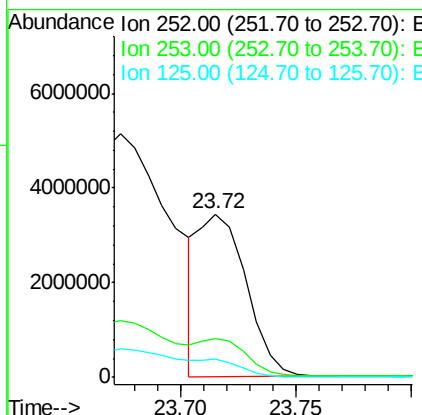
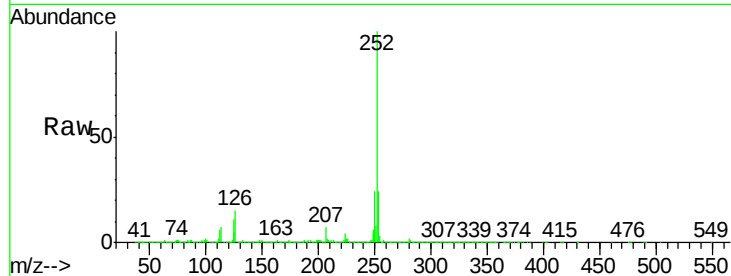




#86
Benzo(k)fluoranthene
Concen: 44.396 ng/ul
RT: 23.72 min Scan# 3473
Delta R.T. 0.01 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

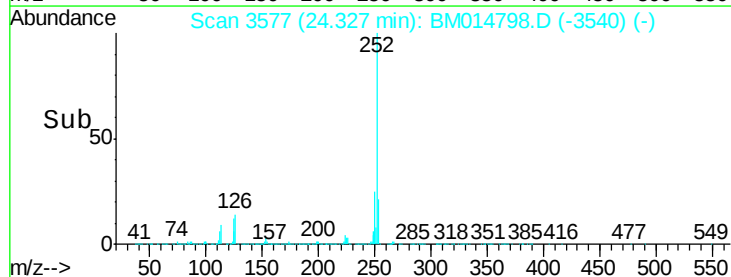
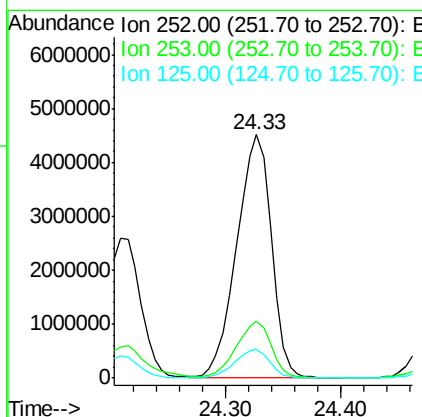
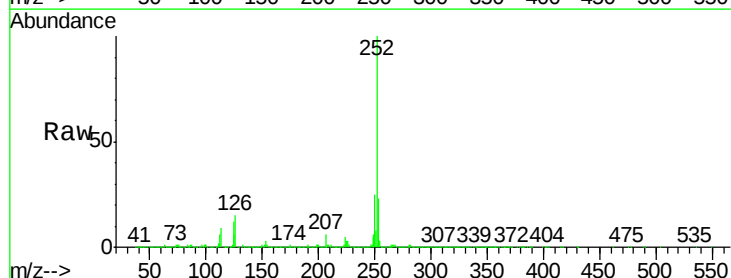
Instrument :
BNA_M
ClientSampleId :

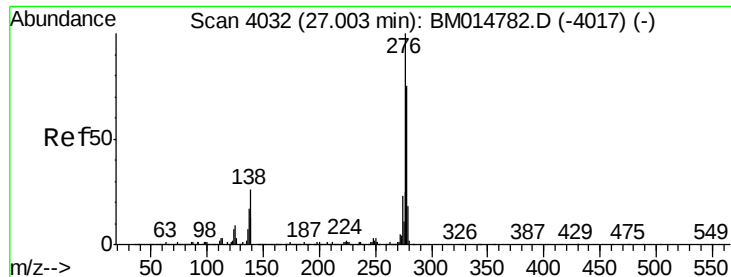
Tot Ion:252 Resp: 4870841
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 11.0 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 86.471 ng/ul
RT: 24.33 min Scan# 3577
Delta R.T. 0.02 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

Tgt Ion:252 Resp: 9358469
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 11.9 4.0 6.0#



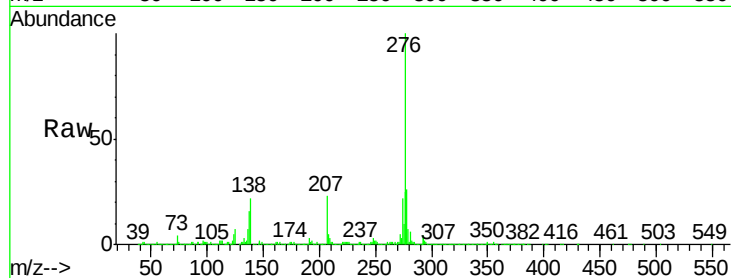


#89

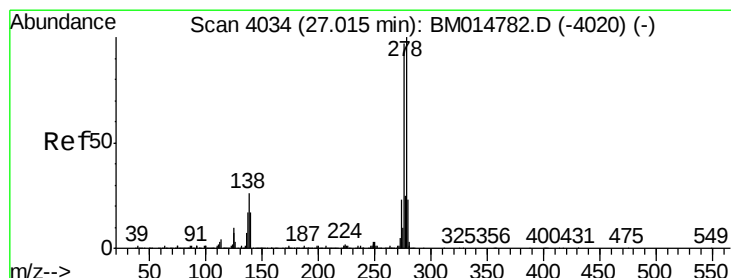
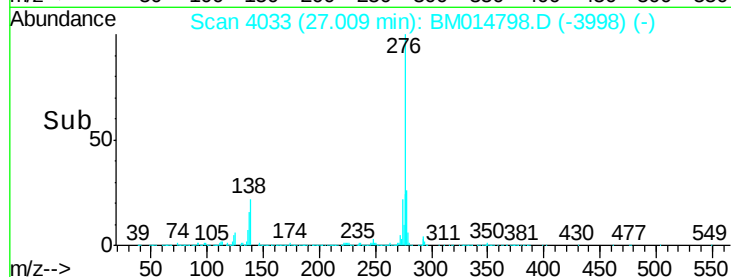
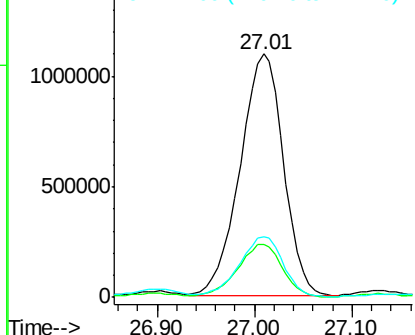
Indeno(1,2,3-cd)pyrene
Concen: 25.848 ng/ul
RT: 27.01 min Scan# 4033
Delta R.T. 0.01 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

Instrument :
BNA_M
ClientSampled :

Tot Ion:276 Resp: 3384236
Ion Ratio Lower Upper
276 100
138 21.9 9.3 13.9#
277 24.9 19.9 29.9



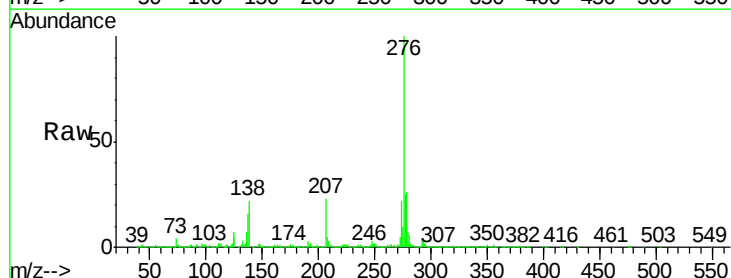
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



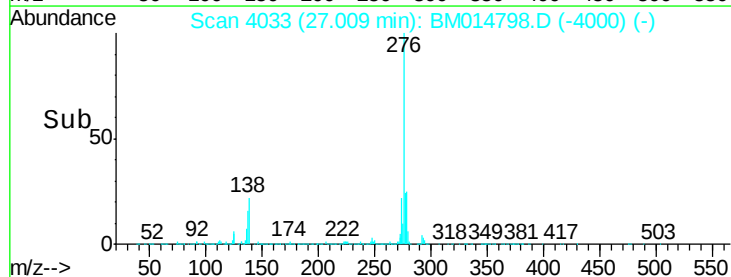
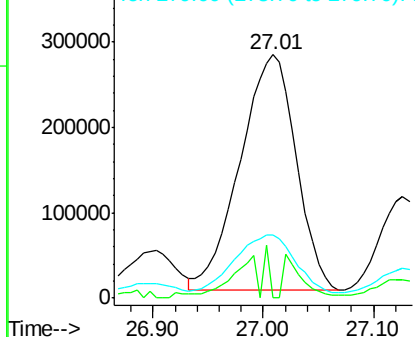
#90

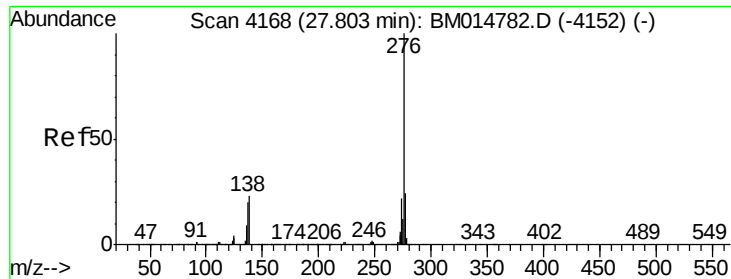
Dibenzo(a,h)anthracene
Concen: 8.857 ng/ul
RT: 27.01 min Scan# 4033
Delta R.T. -0.01 min
Lab File: BM014798.D
Acq: 24 Apr 2018 04:29

Tgt Ion:278 Resp: 976353
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 25.8 18.6 27.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 22.618 ng/ul

RT: 27.81 min Scan# 4169

Delta R.T. 0.01 min

Lab File: BM014798.D

Acq: 24 Apr 2018 04:29

Instrument :

BNA_M

ClientSampleId :

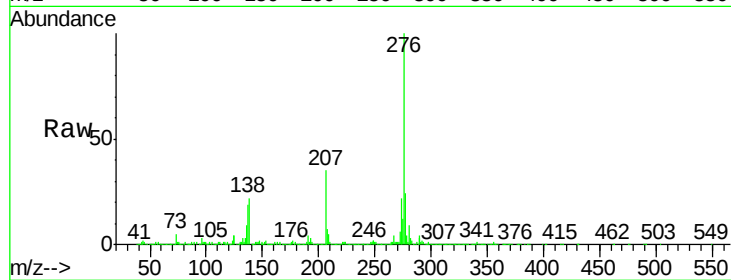
Tot Ion:276 Resp: 2436203

Ion Ratio Lower Upper

276 100

138 22.4 8.5 12.7#

277 23.9 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

