

Data Path : Z:\HPCHEM1\BNA_M\Data\BM102416\
 Data File : BM007716.D
 Acq On : 24 Oct 2016 12:16
 Operator : UM/SJ
 Sample : H5349-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2678

Quant Time: Oct 24 12:59:36 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 24 12:55:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	185906	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	722179	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	466981	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	944249	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	1259157	20.00	ng/ul	0.00
83) Perylene-d12	23.57	264	1316112	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	27512	6.34	ng/uL	0.00
5) Phenol-d5	6.93	99	478790	33.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	286084	33.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	374774	34.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	378036	33.67	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	177029	34.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	195309	35.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	356237	32.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	450569	36.46	ng/ul	0.00
43) Dimethylphthalate-d6	13.80	166	1141507	35.90	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	1320724	34.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	153128	30.46	ng/ul	0.00
57) Fluorene-d10	15.38	176	974006	34.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	180244	32.13	ng/ul	0.00
70) Anthracene-d10	17.23	188	1514750	35.60	ng/ul	0.00
76) Pyrene-d10	19.53	212	1786477	34.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.43	264	2053957	35.75	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.95	94	327258	22.22	ng/ul	97
17) Hexachloroethane	8.82	117	133312	26.72	ng/ul	96
28) Naphthalene	10.70	128	45970	1.31	ng/ul#	1
30) 4-Chloroaniline	10.70	127	589931	47.03	ng/ul	100
40) 1,1'-Biphenyl	13.22	154	1311780	39.84	ng/ul	99
42) 2-Nitroaniline	13.47	65	513841	76.89	ng/ul	100
44) Dimethylphthalate	13.84	163	668314	21.64	ng/ul	99
45) 2,6-Dinitrotoluene	13.84	165	6898	1.19	ng/ul#	55
49) Acenaphthene	14.45	153	527195	19.69	ng/ul	98
56) Diethylphthalate	15.21	149	648273	21.21	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.53	198	247898	42.77	ng/ul	97
66) Hexachlorobenzene	16.44	284	380536	31.90	ng/ul	97
69) Phenanthrene	17.26	178	669623	13.34	ng/ul	99
71) Anthracene	17.26	178	669623	13.10	ng/ul	99
73) Di-n-butylphthalate	18.10	149	1305132	26.48	ng/ul	99
78) Butylbenzylphthalate	20.46	149	695576	30.06	ng/ul	98
80) Benzo(a)anthracene	21.35	228	1041735	15.48	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.23	149	1212918	35.59	ng/ul	98
82) Chrysene	21.35	228	1041735	16.11	ng/ul	99
84) Di-n-octyl phthalate	22.10	149	1290435	19.34	ng/ul	99
85) Benzo(b)fluoranthene	22.86	252	101616	1.35	ng/ul#	18
86) Benzo(k)fluoranthene	22.86	252	101616	1.47	ng/ul#	20
88) Benzo(a)pyrene	23.47	252	863884	12.20	ng/ul	99

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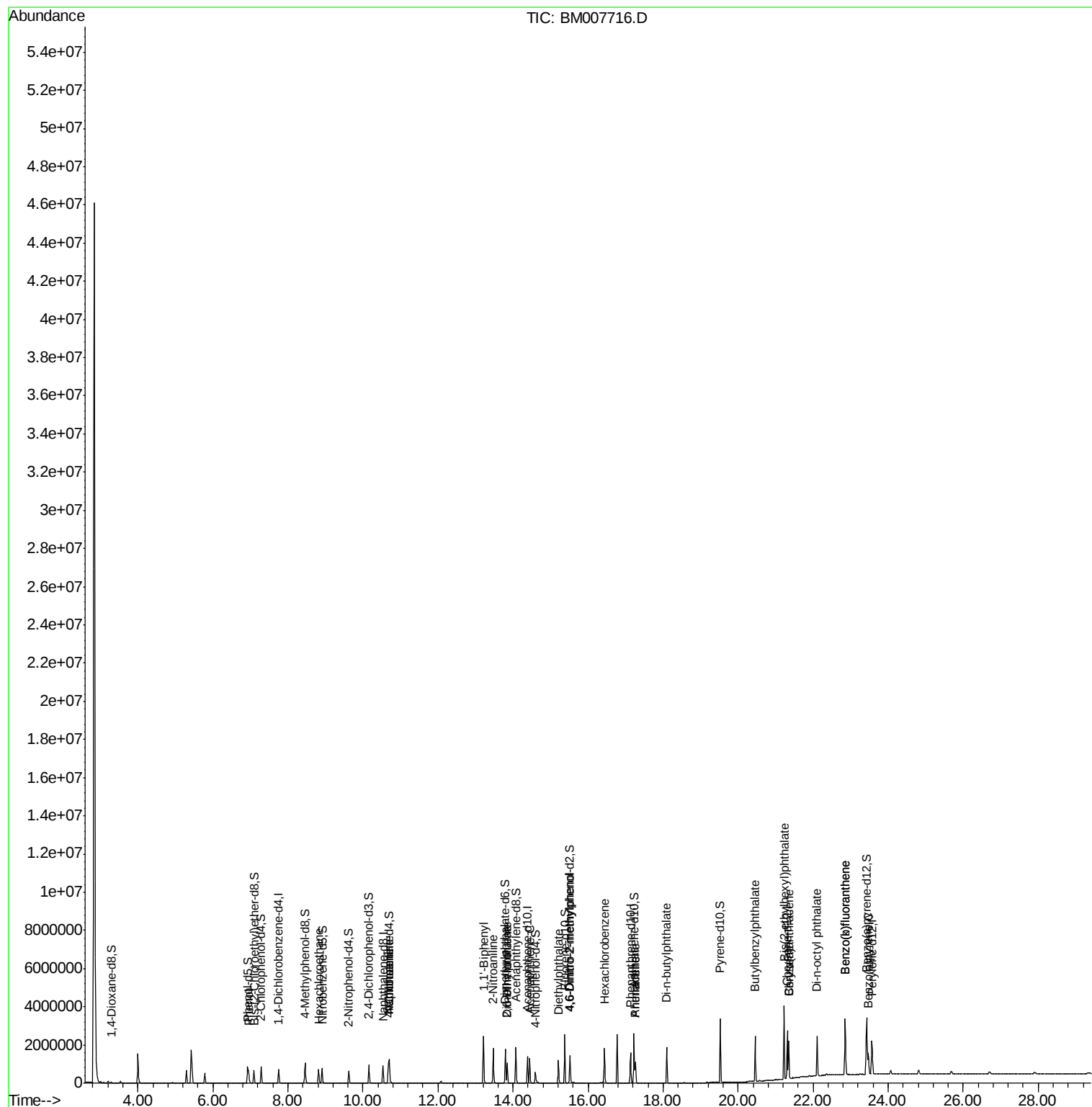
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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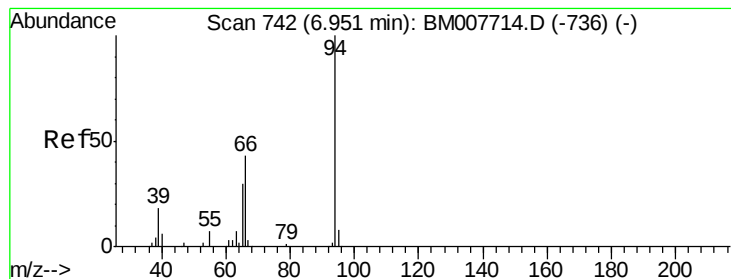
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 22.22 ng/ul

RT: 6.95 min Scan# 742

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA_M

ClientSampleId :

X2678

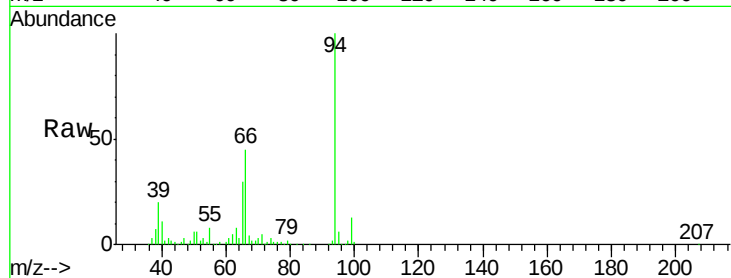
Tgt Ion: 94 Resp: 327258

Ion Ratio Lower Upper

94 100

65 30.2 23.9 35.9

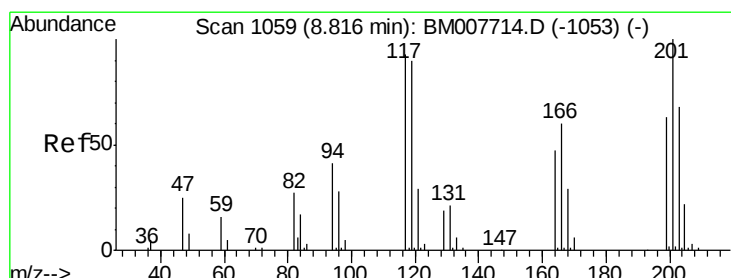
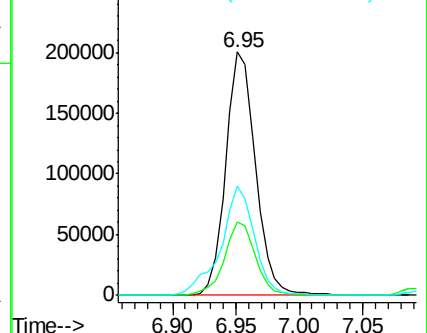
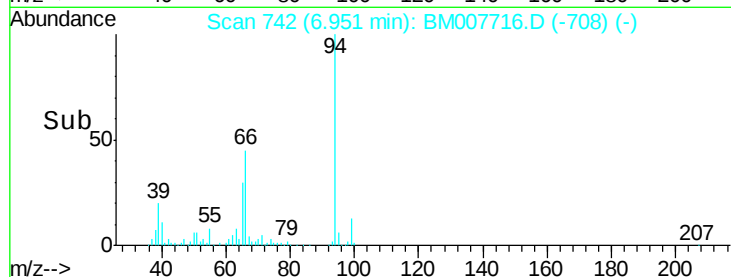
66 45.0 33.5 50.3



Abundance Ion 94.00 (93.70 to 94.70): BM007716.D (-708) (-)

Ion 65.00 (64.70 to 65.70): BM007716.D (-708) (-)

Ion 66.00 (65.70 to 66.70): BM007716.D (-708) (-)



#17

Hexachloroethane

Concen: 26.72 ng/ul

RT: 8.82 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

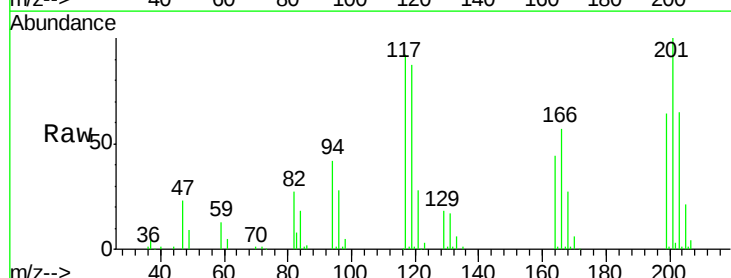
Tgt Ion: 117 Resp: 133312

Ion Ratio Lower Upper

117 100

201 109.1 90.3 135.5

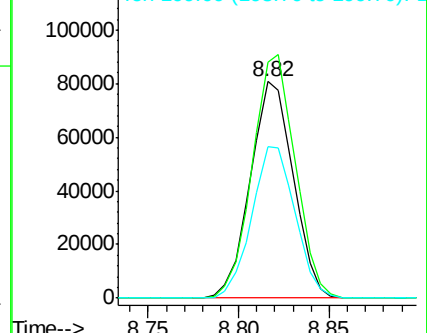
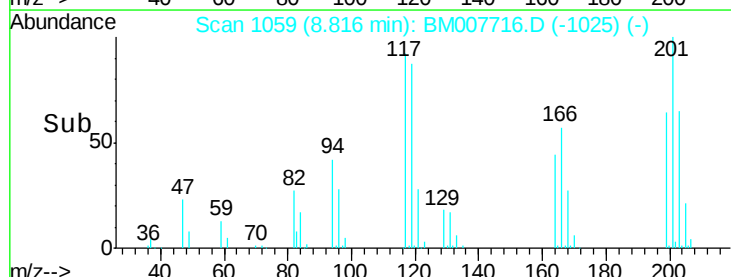
199 70.0 58.5 87.7

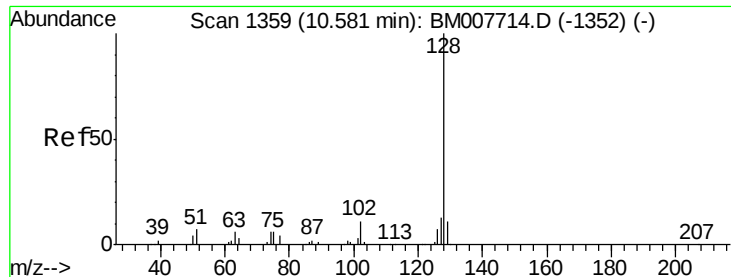


Abundance Ion 117.00 (116.70 to 117.70): BM007716.D (-1025) (-)

Ion 201.00 (200.70 to 201.70): BM007716.D (-1025) (-)

Ion 199.00 (198.70 to 199.70): BM007716.D (-1025) (-)





#28

Naphthalene

Concen: 1.31 ng/ul

RT: 10.70 min Scan# 1379

Delta R.T. 0.12 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA_M

ClientSampleId :

X2678

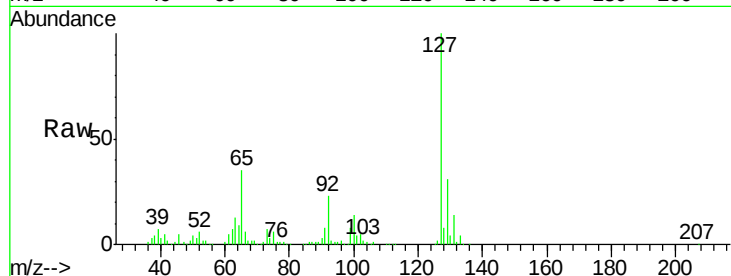
Tgt Ion:128 Resp: 45970

Ion Ratio Lower Upper

128 100

129 398.5 8.6 12.8#

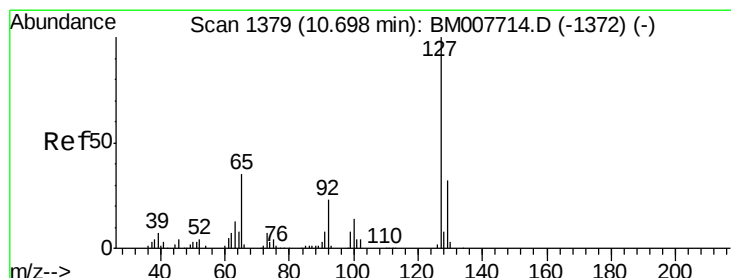
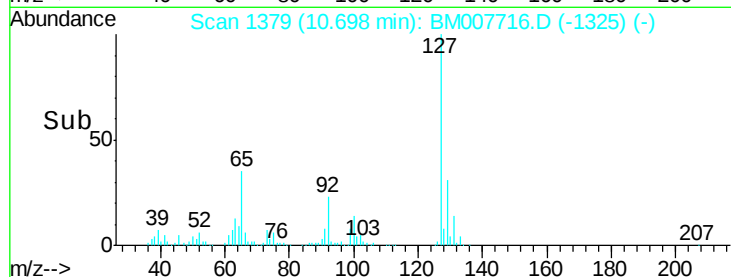
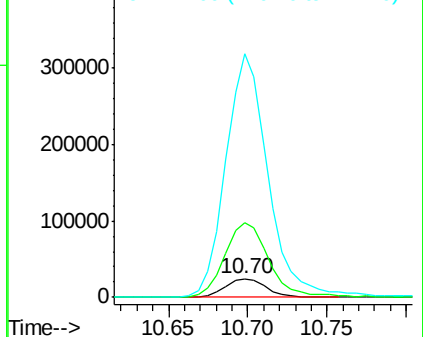
127 1300.9 10.6 15.8#



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



#30

4-Chloroaniline

Concen: 47.03 ng/ul

RT: 10.70 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BM007716.D

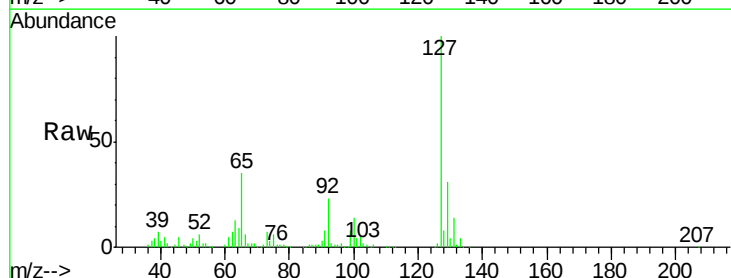
Acq: 24 Oct 2016 12:16

Tgt Ion:127 Resp: 589931

Ion Ratio Lower Upper

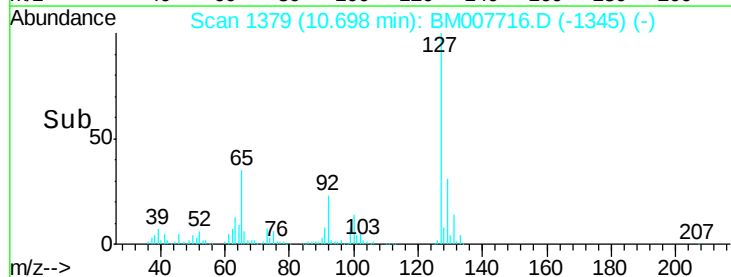
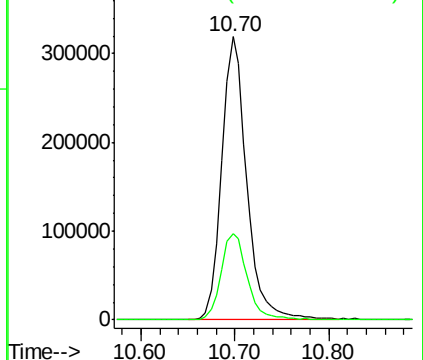
127 100

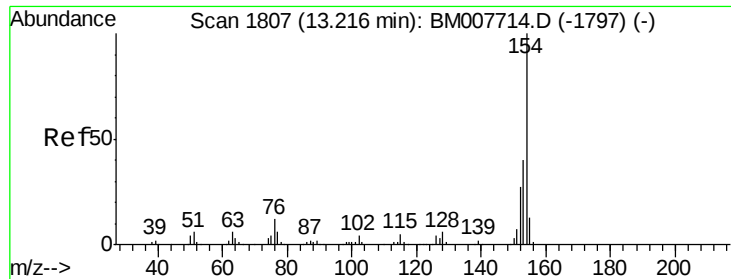
129 30.6 24.6 37.0



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

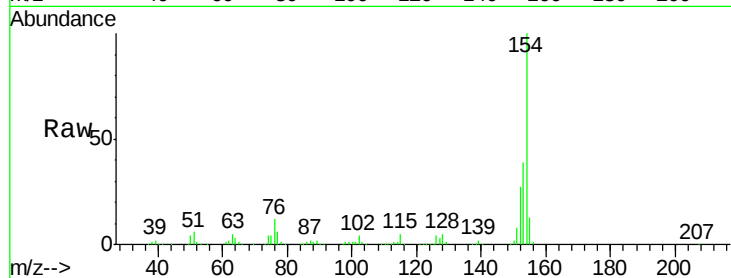




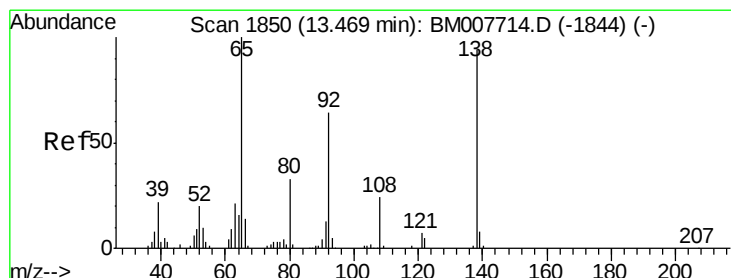
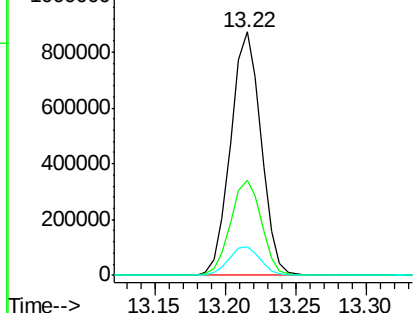
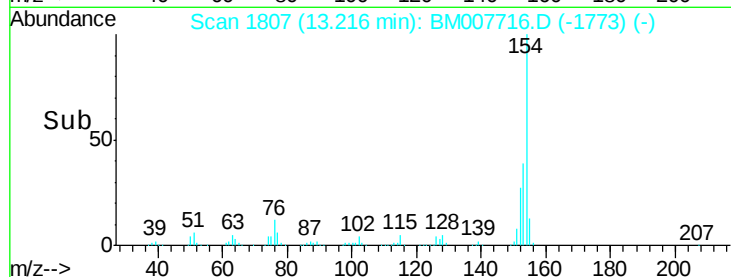
#40
 1,1'-Biphenyl
 Concen: 39.84 ng/ul
 RT: 13.22 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BM007716.D
 Acq: 24 Oct 2016 12:16

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Tgt Ion:154 Resp: 1311780
 Ion Ratio Lower Upper
 154 100
 153 39.3 31.3 46.9
 76 11.7 10.0 15.0

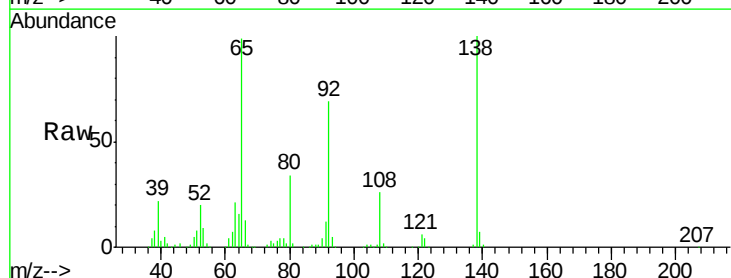


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

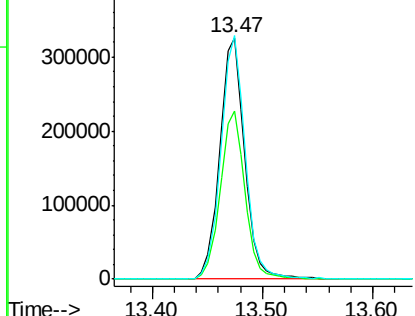
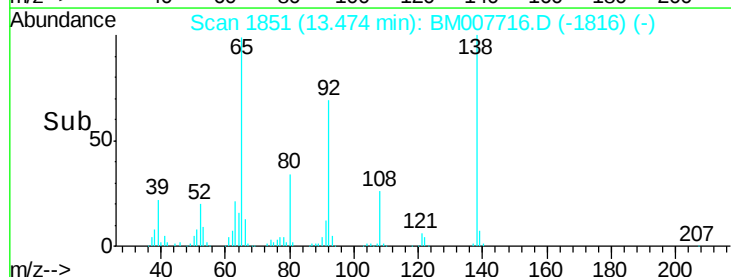


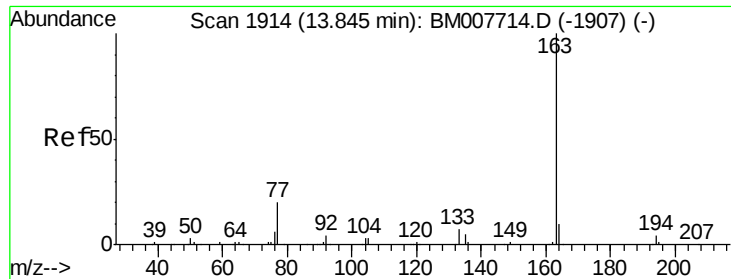
#42
 2-Nitroaniline
 Concen: 76.89 ng/ul
 RT: 13.47 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: BM007716.D
 Acq: 24 Oct 2016 12:16

Tgt Ion: 65 Resp: 513841
 Ion Ratio Lower Upper
 65 100
 92 69.7 55.6 83.4
 138 100.9 81.3 121.9



Abundance Ion 65.00 (64.70 to 65.70): BM
 Ion 92.00 (91.70 to 92.70): BM
 Ion 138.00 (137.70 to 138.70): E

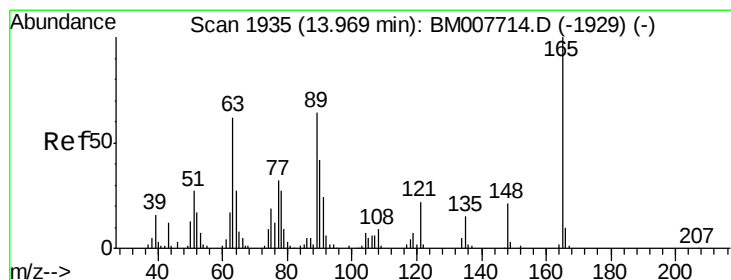
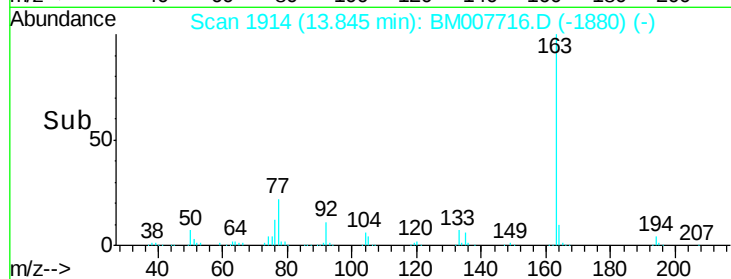
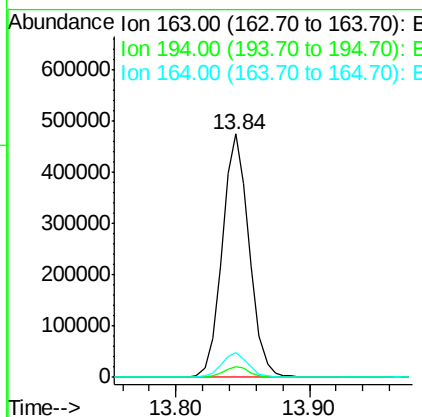
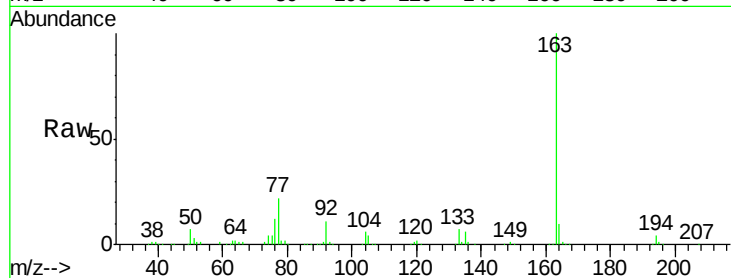




#44
Dimethylphthalate
Concen: 21.64 ng/ul
RT: 13.84 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BM007716.D
Acq: 24 Oct 2016 12:16

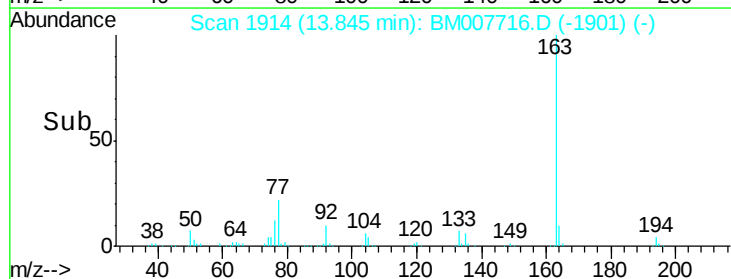
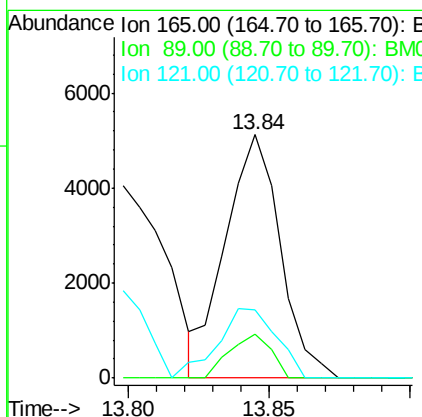
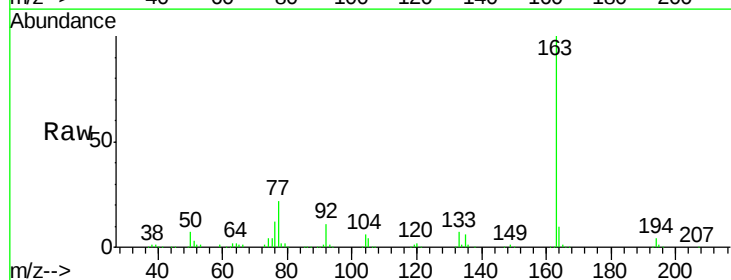
Instrument :
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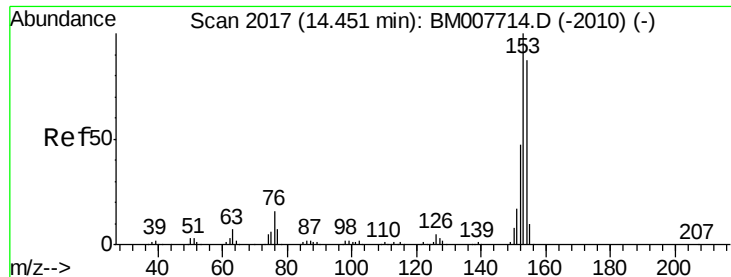
Tgt Ion:163 Resp: 668314
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.2 7.8 11.8



#45
2,6-Dinitrotoluene
Concen: 1.19 ng/ul
RT: 13.84 min Scan# 1914
Delta R.T. -0.12 min
Lab File: BM007716.D
Acq: 24 Oct 2016 12:16

Tgt Ion:165 Resp: 6898
Ion Ratio Lower Upper
165 100
89 18.1 46.6 69.8#
121 28.3 16.0 24.0#





#49

Acenaphthene

Concen: 19.69 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA_M

ClientSampleId :

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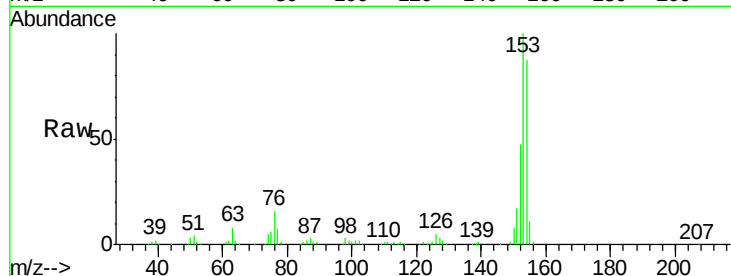
Tgt Ion:153 Resp: 527195

Ion Ratio Lower Upper

153 100

152 47.2 37.8 56.6

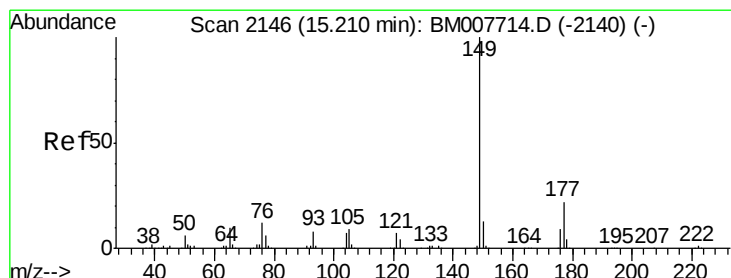
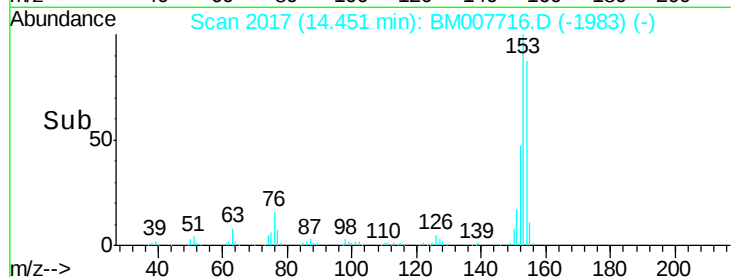
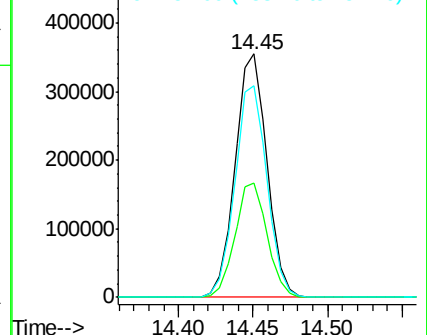
154 87.1 71.4 107.0



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



#56

Diethylphthalate

Concen: 21.21 ng/ul

RT: 15.21 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

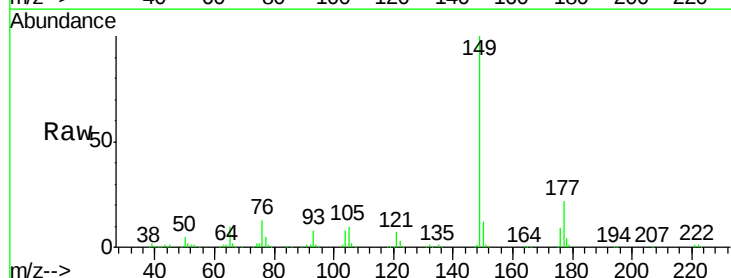
Tgt Ion:149 Resp: 648273

Ion Ratio Lower Upper

149 100

177 22.3 18.6 28.0

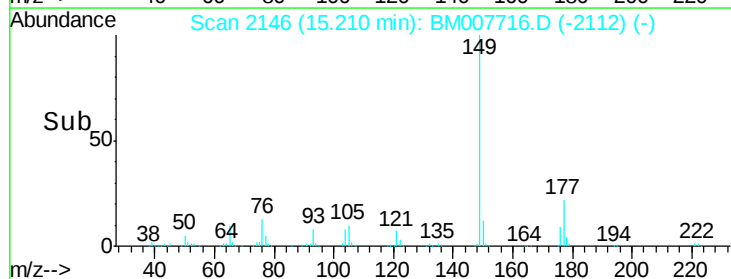
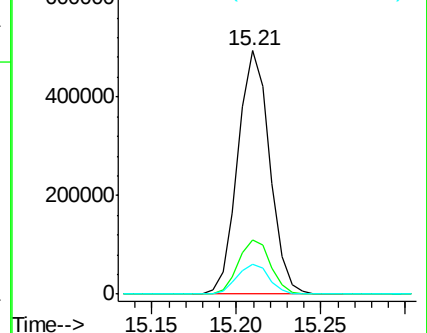
150 12.3 10.0 15.0

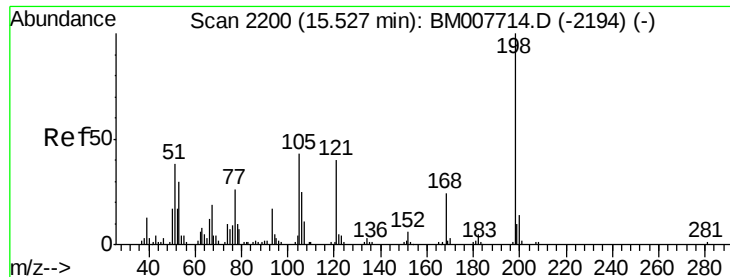


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

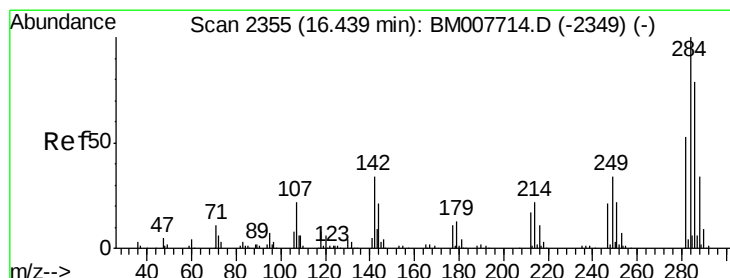
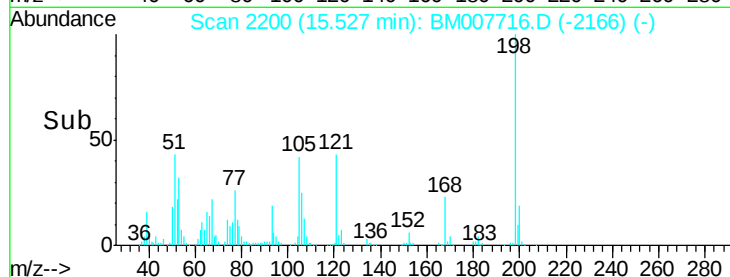
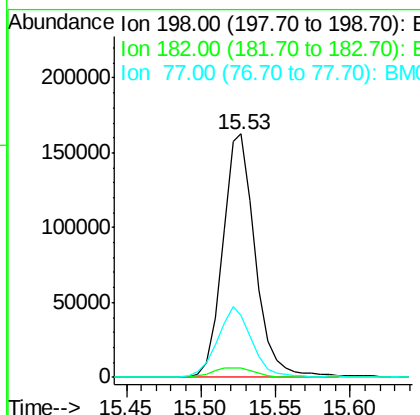
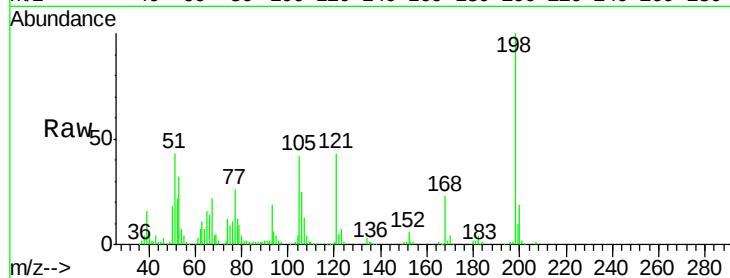




#63
 4,6-Dinitro-2-methylphenol
 Concen: 42.77 ng/ul
 RT: 15.53 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BM007716.D
 Acq: 24 Oct 2016 12:16

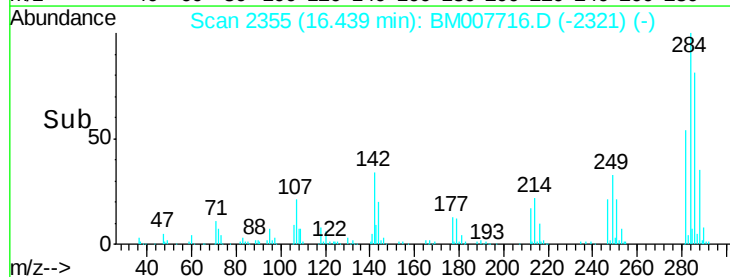
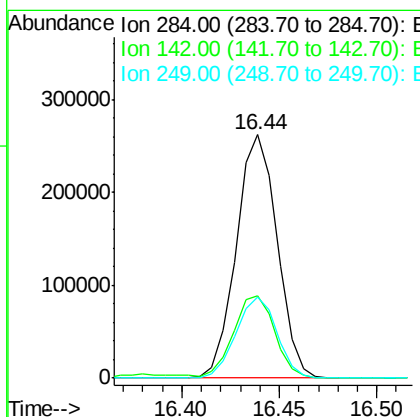
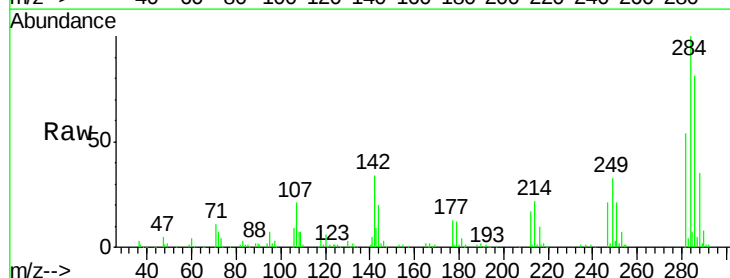
Instrument :
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 ClientSampleId :
 X2678

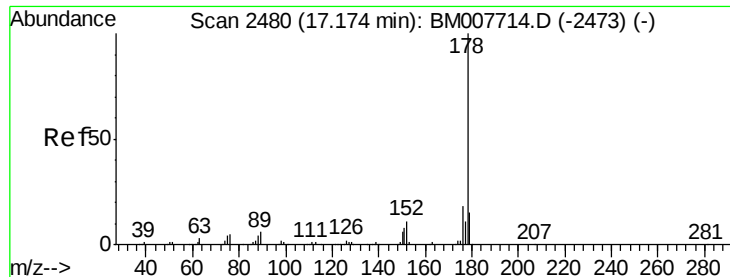
Tgt Ion:198 Resp: 247898
 Ion Ratio Lower Upper
 198 100
 182 3.6 3.3 4.9
 77 25.6 21.8 32.6



#66
 Hexachlorobenzene
 Concen: 31.90 ng/ul
 RT: 16.44 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: BM007716.D
 Acq: 24 Oct 2016 12:16

Tgt Ion:284 Resp: 380536
 Ion Ratio Lower Upper
 284 100
 142 33.6 24.9 37.3
 249 33.2 25.5 38.3





#69

Phenanthrene

Concen: 13.34 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. 0.09 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA_M

ClientSampleId :

X2678

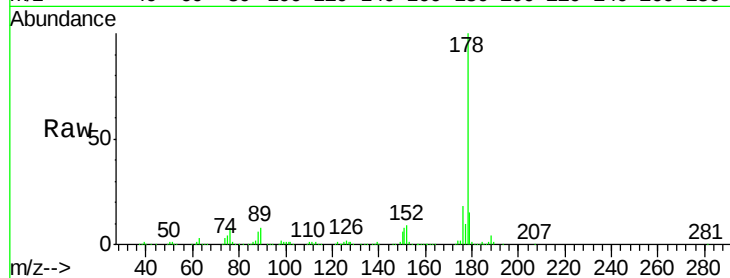
Tgt Ion:178 Resp: 669623

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

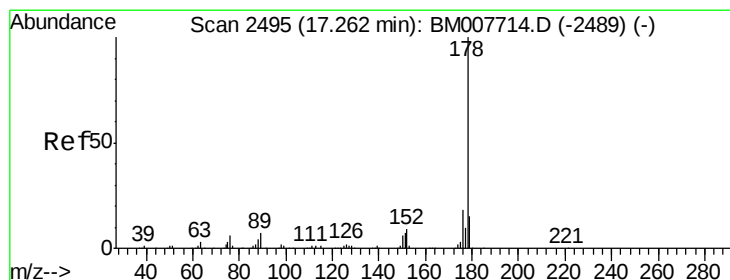
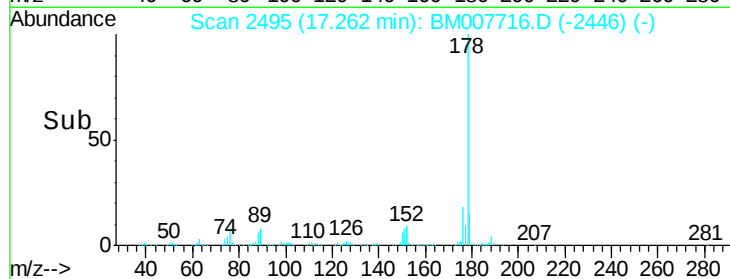
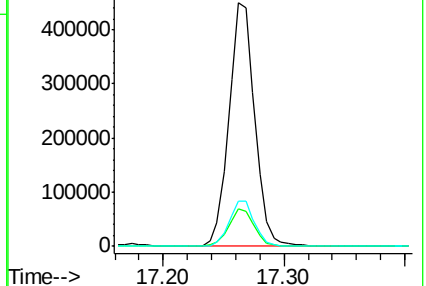
176 18.4 15.1 22.7



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: 13.10 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

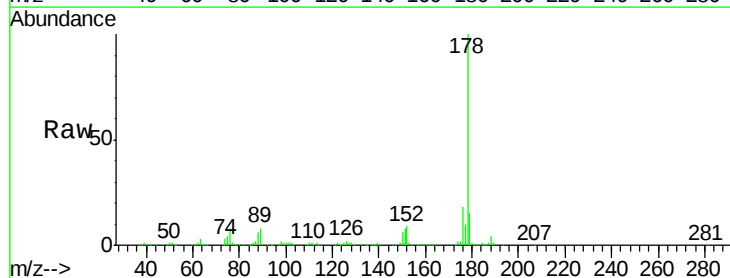
Tgt Ion:178 Resp: 669623

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

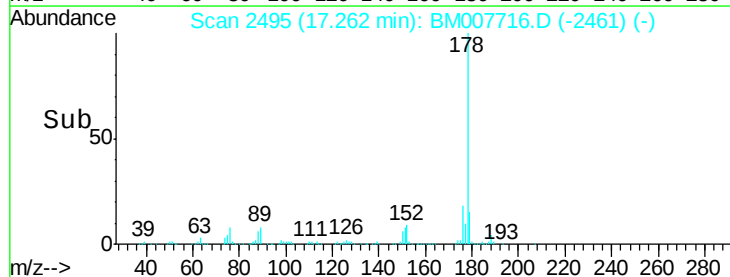
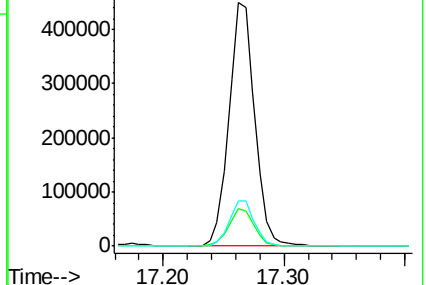
176 18.4 14.5 21.7

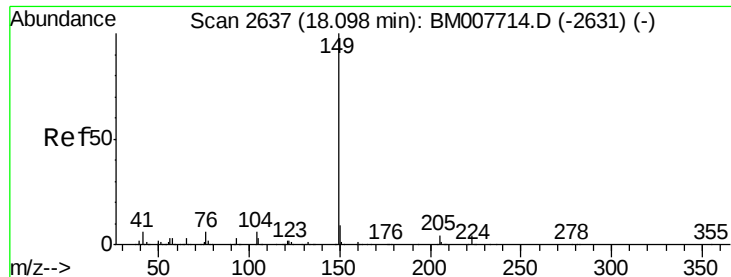


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

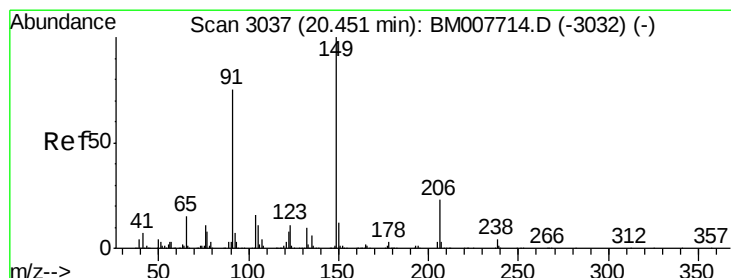
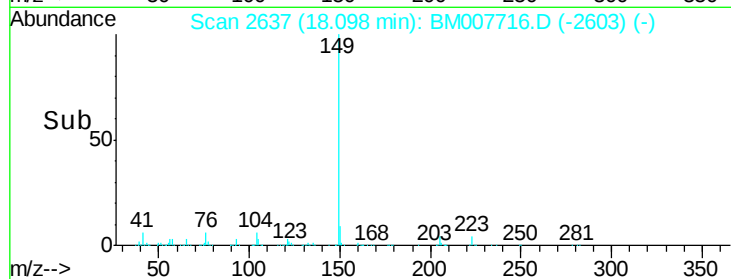
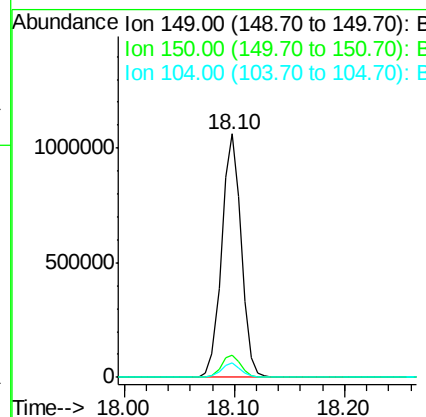
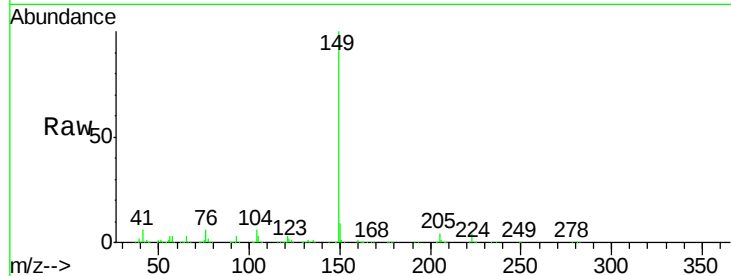




#73
Di-n-butylphthalate
Concen: 26.48 ng/ul
RT: 18.10 min Scan# 2637
Delta R.T. -0.00 min
Lab File: BM007716.D
Acq: 24 Oct 2016 12:16

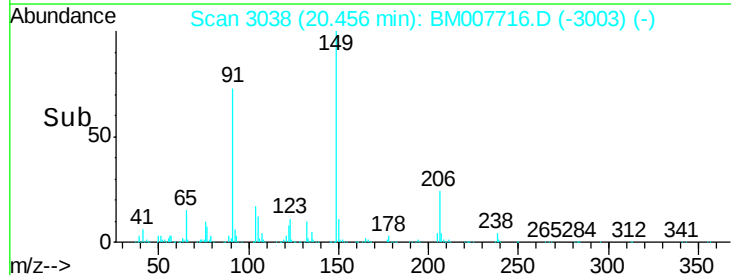
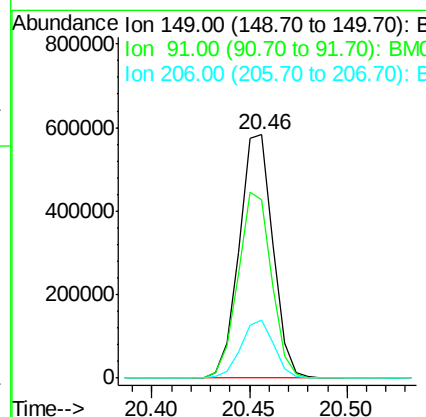
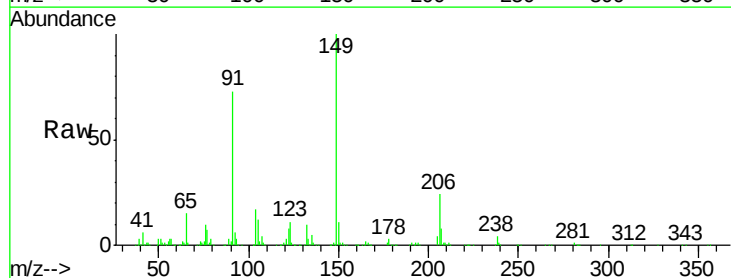
Instrument :
BNA_M
ClientSampled :
X2678

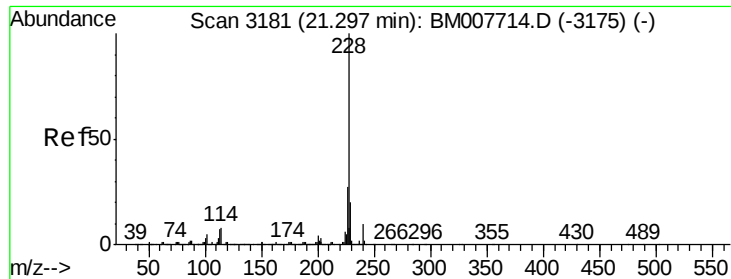
Tgt Ion:149 Resp: 1305132
Ion Ratio Lower Upper
149 100
150 9.2 7.6 11.4
104 6.2 4.6 7.0



#78
Butylbenzylphthalate
Concen: 30.06 ng/ul
RT: 20.46 min Scan# 3038
Delta R.T. 0.01 min
Lab File: BM007716.D
Acq: 24 Oct 2016 12:16

Tgt Ion:149 Resp: 695576
Ion Ratio Lower Upper
149 100
91 73.4 57.3 85.9
206 23.8 18.6 27.8





#80

Benzo(a)anthracene

Concen: 15.48 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. 0.05 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

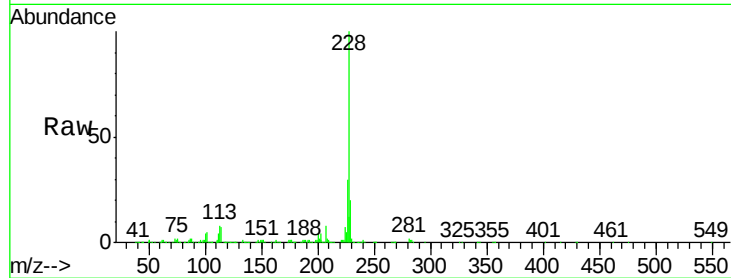
BNA_M

ClientSampleId :

X2678

Tgt Ion:228 Resp: 1041735

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.6	23.4
226	29.8	21.8	32.8

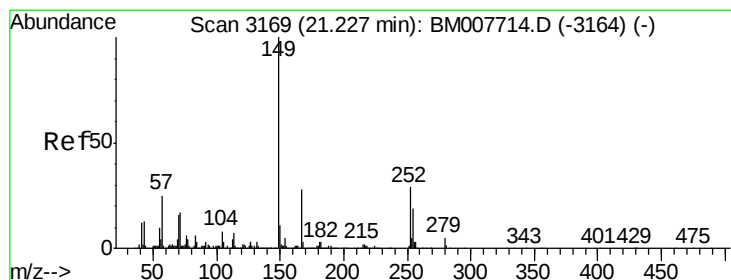
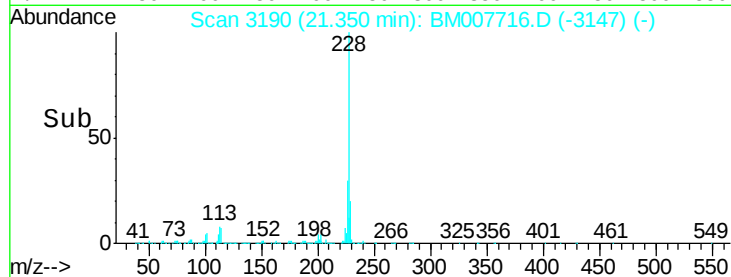
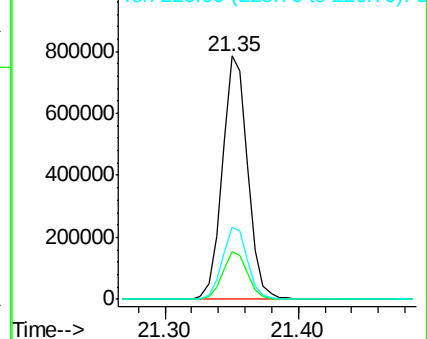


Abundance

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: 35.59 ng/ul

RT: 21.23 min Scan# 3169

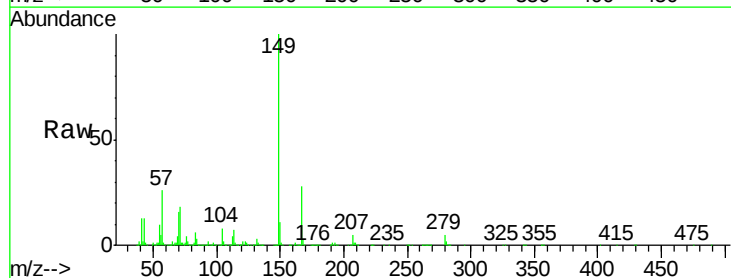
Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Tgt Ion:149 Resp: 1212918

Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.2	34.8
279	4.9	4.1	6.1

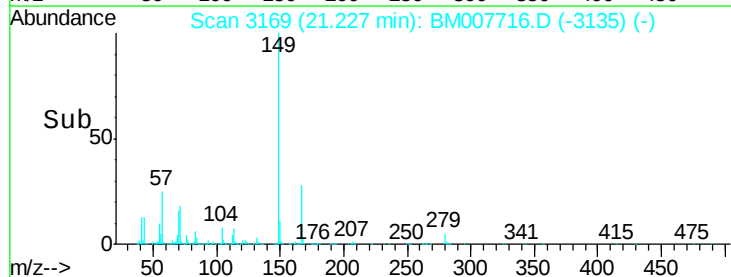
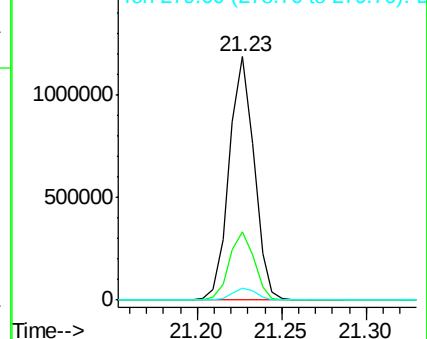


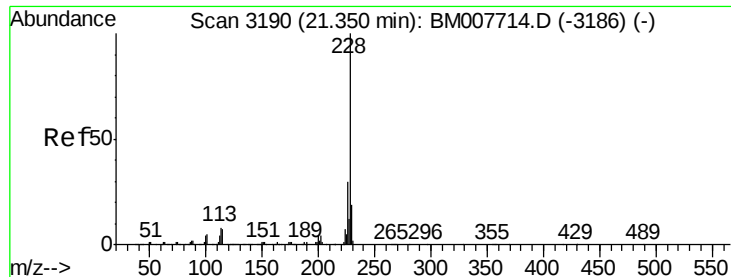
Abundance

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: 16.11 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

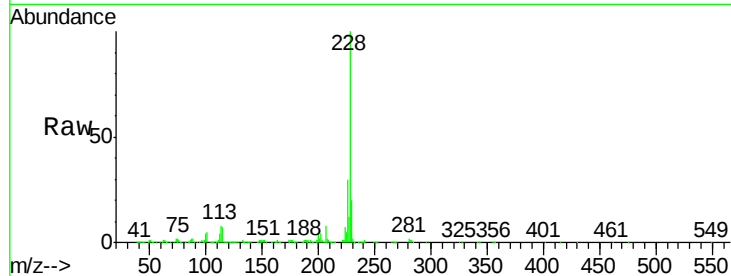
BNA_M

ClientSampleId :

X2678

Tgt Ion:228 Resp: 1041735

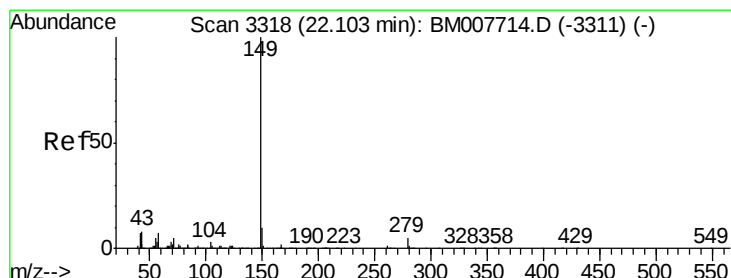
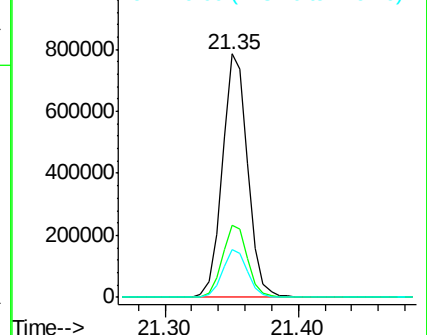
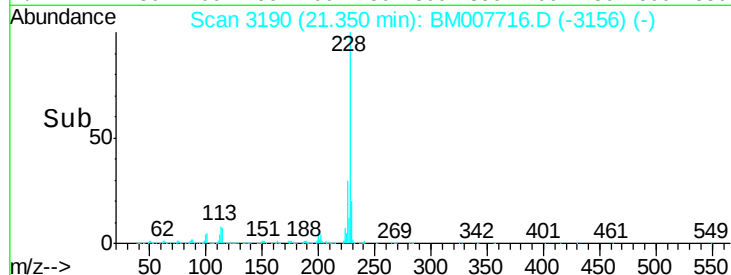
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	19.8	15.5	23.3



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



#84

Di-n-octyl phthalate

Concen: 19.34 ng/ul

RT: 22.10 min Scan# 3318

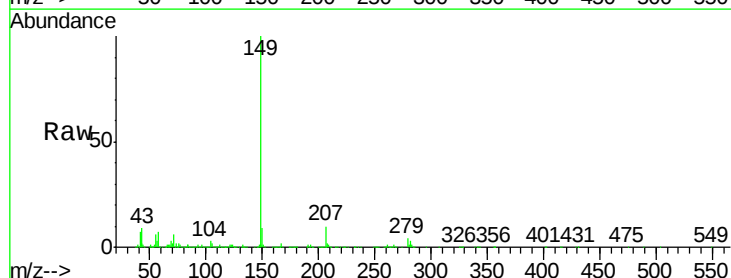
Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Tgt Ion:149 Resp: 1290435

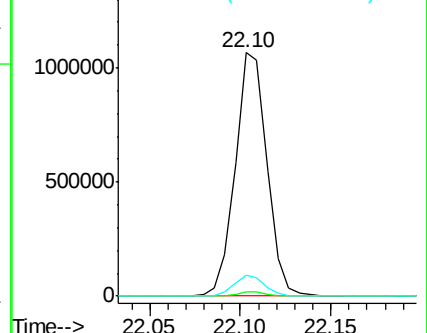
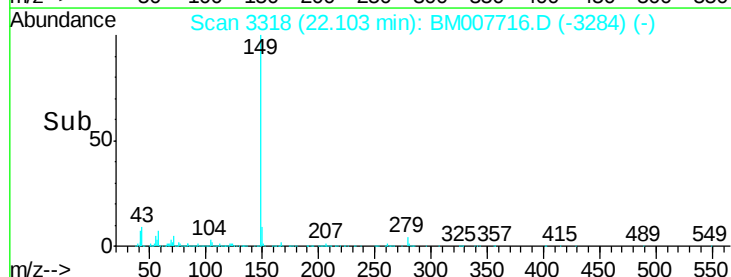
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.6	10.0

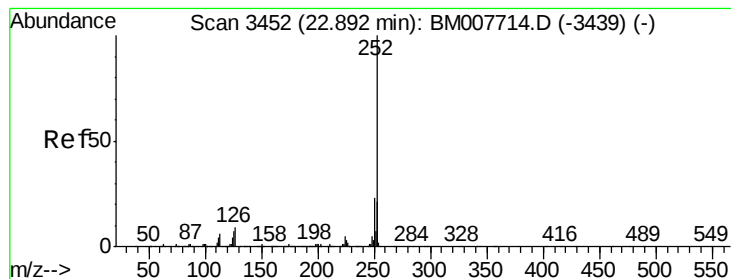


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#85

Benzo(b)fluoranthene

Concen: 1.35 ng/ul

RT: 22.86 min Scan# 3446

Delta R.T. -0.04 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA_M

ClientSampleId :

X2678

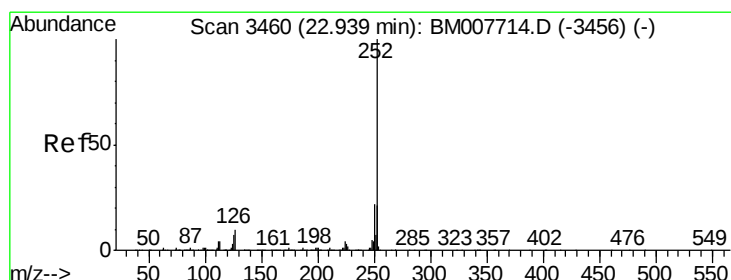
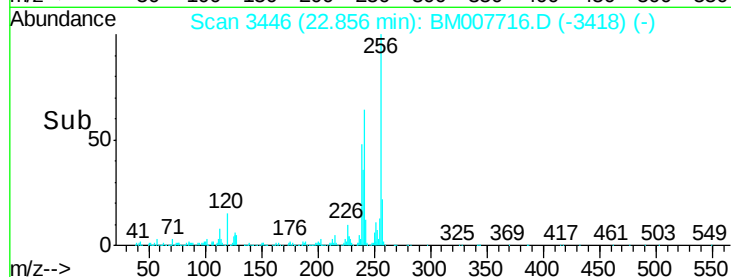
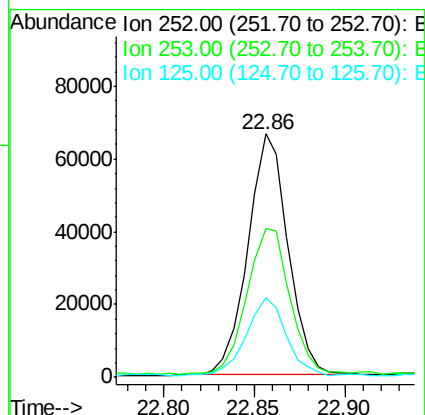
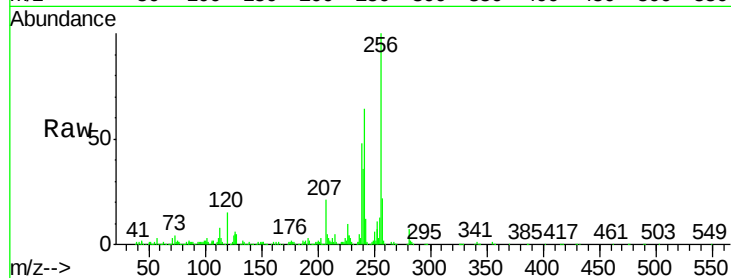
Tgt Ion:252 Resp: 101616

Ion Ratio Lower Upper

252 100

253 61.4 17.1 25.7#

125 32.6 5.8 8.8#



#86

Benzo(k)fluoranthene

Concen: 1.47 ng/ul

RT: 22.86 min Scan# 3446

Delta R.T. -0.08 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

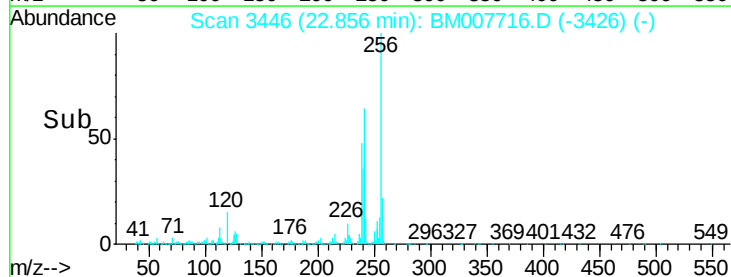
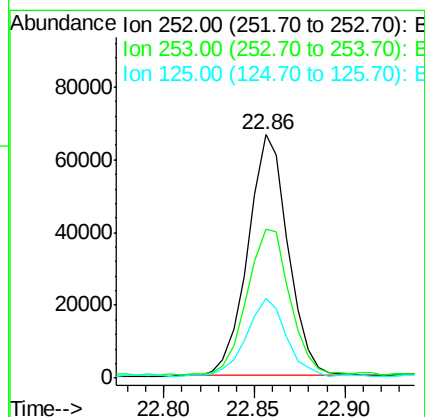
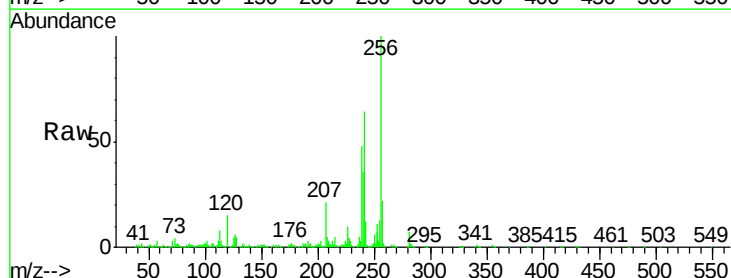
Tgt Ion:252 Resp: 101616

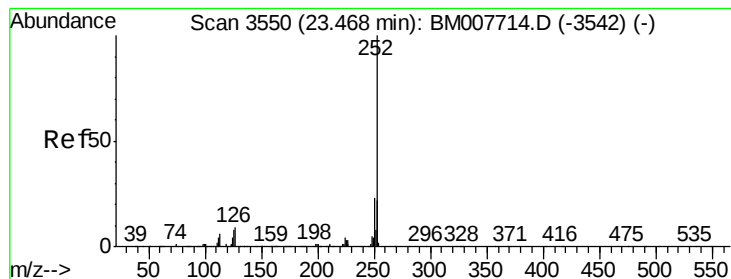
Ion Ratio Lower Upper

252 100

253 61.4 17.6 26.4#

125 32.6 5.7 8.5#





#88

Benzo(a)pyrene

Concen: 12.20 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA_M

ClientSampleId :

X2678

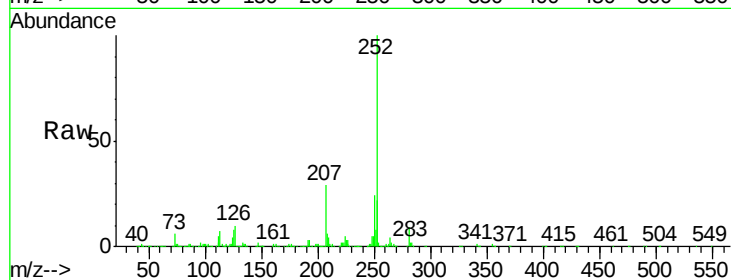
Tgt Ion:252 Resp: 863884

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 8.2 6.6 9.8



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

