

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
 Data File : BF102971.D
 Acq On : 13 Feb 2018 19:34
 Operator : SJ/JU
 Sample : J1537-04 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 00:10:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	143996	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	554393	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	220758	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	339713	20.00	ng	0.00
75) Chrysene-d12	14.04	240	219555	20.00	ng	0.00
86) Perylene-d12	15.53	264	172965	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	470269	49.60	ng	0.00
7) Phenol-d6	6.50	99	557250	48.81	ng	0.00
23) Nitrobenzene-d5	7.43	82	320110	40.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	81581	45.91	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	498933	37.50	ng	-0.01
78) Terphenyl-d14	12.99	244	367980	39.68	ng	0.00

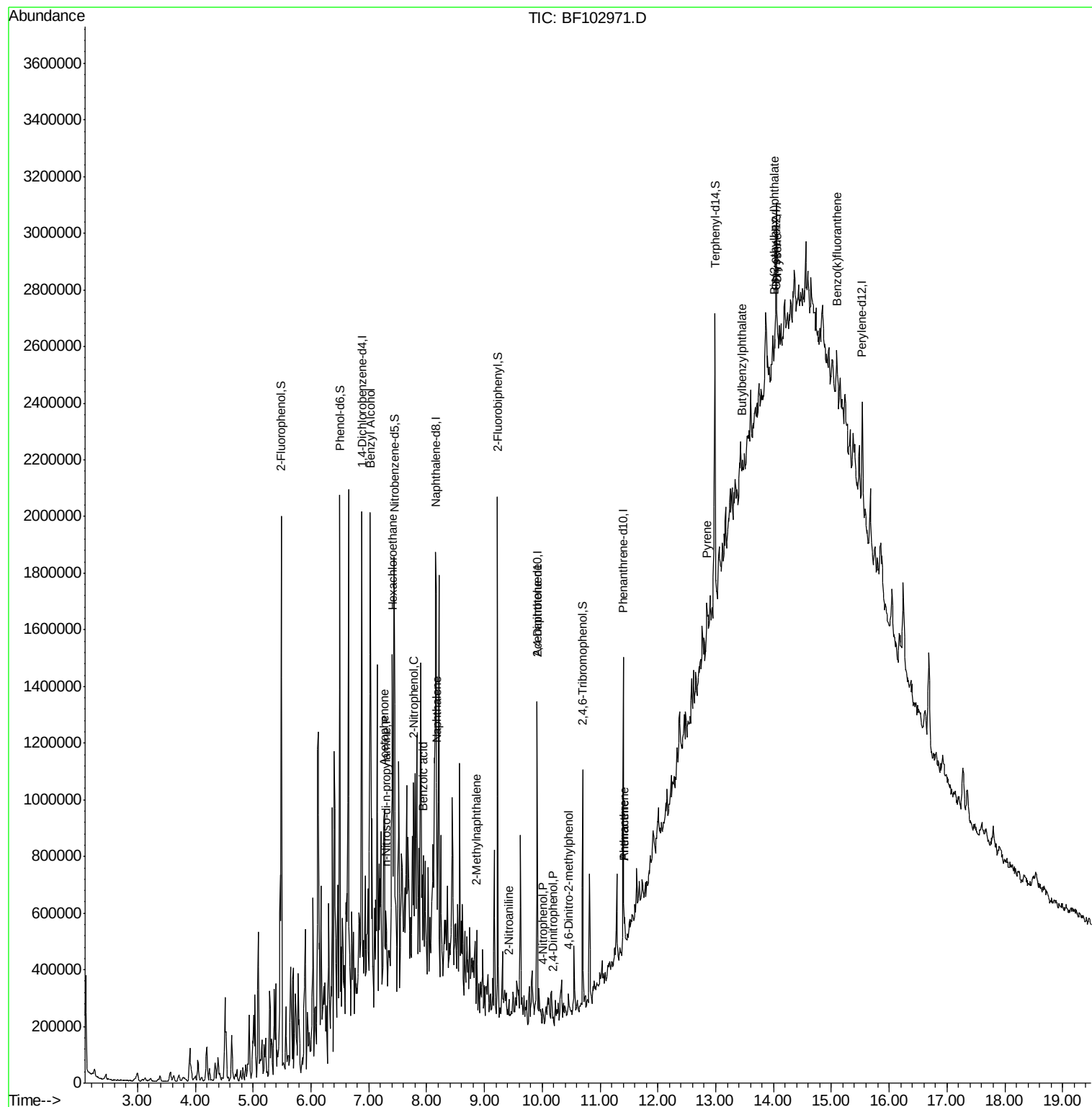
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.03	79	20010	2.28	ng	# 59
18) Hexachloroethane	7.40	117	50101	12.98	ng	# 1
19) n-Nitroso-di-n-propylamine	7.30	70	16150	2.15	ng	# 73
22) Acetophenone	7.27	105	52409	3.86	ng	# 63
26) 2-Nitrophenol	7.77	139	1963	9.08	ng	# 1
31) Naphthalene	8.18	128	102171	3.77	ng	# 91
32) Benzoic acid	7.95	122	5729	9.55	ng	# 36
37) 2-Methylnaphthalene	8.87	142	69080	3.90	ng	# 97
47) 2-Nitroaniline	9.42	65	466	3.57	ng	# 49
53) 2,4-Dinitrophenol	10.20	184	537	8.86	ng	# 6
55) 4-Nitrophenol	10.02	139	1683	4.51	ng	# 1
56) 2,4-Dinitrotoluene	9.91	165	31175	9.72	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.46	198	109	8.86	ng	# 1
70) Phenanthrene	11.42	178	44993	2.38	ng	# 97
71) Anthracene	11.42	178	44993	2.34	ng	# 95
77) Pyrene	12.84	202	53188	3.09	ng	# 93
79) Butylbenzylphthalate	13.46	149	8400	2.02	ng	# 46
82) Chrysene	14.07	228	29068	2.09	ng	# 64
83) Bis(2-ethylhexyl)phthalate	14.02	149	43212	4.10	ng	# 88
88) Benzo(k)fluoranthene	15.10	252	21794	2.03	ng	# 1

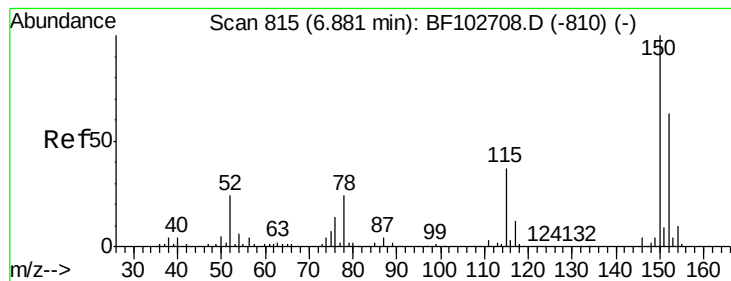
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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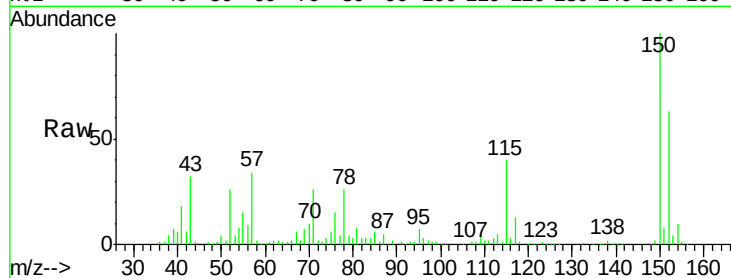


#1

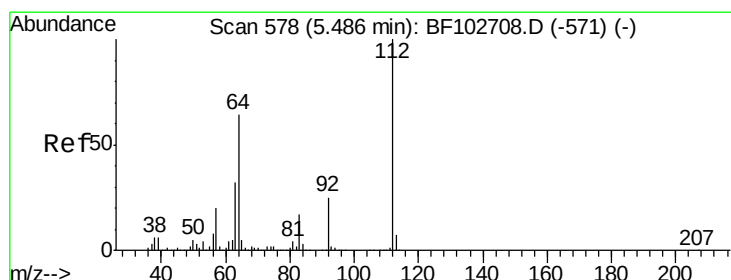
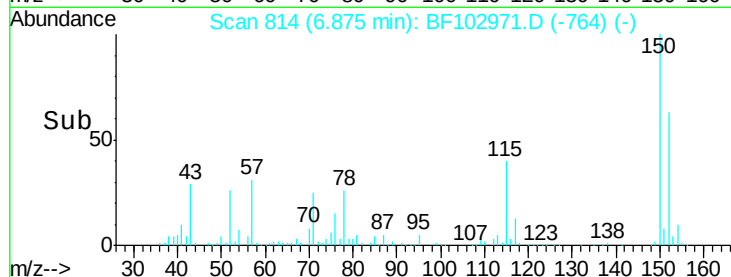
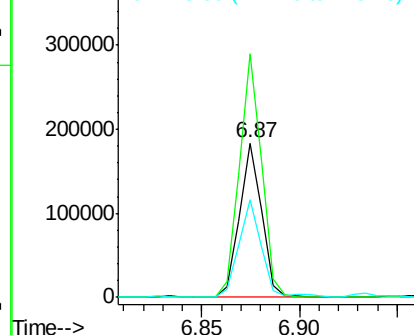
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	63.3	50.1	75.1



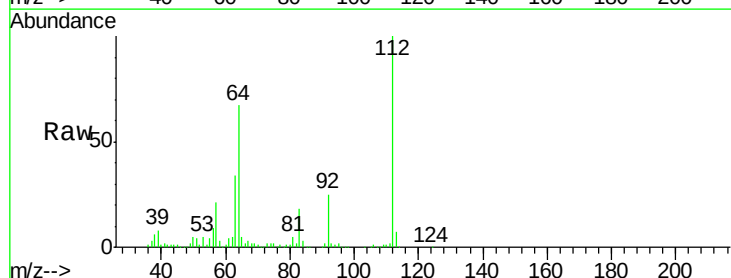
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



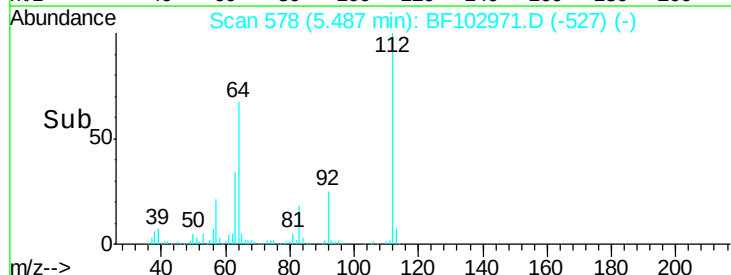
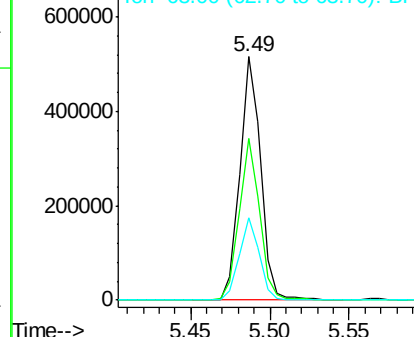
#5

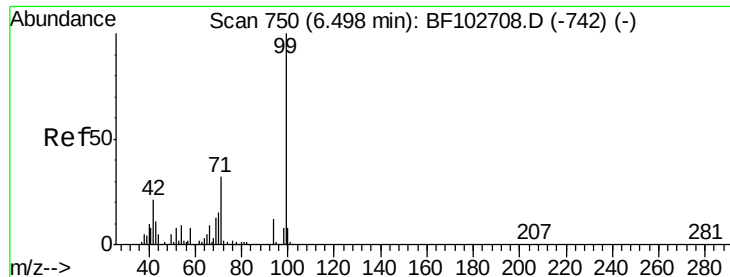
2-Fluorophenol
Concen: 49.60 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	47.9	71.9
63	33.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 48.81 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

Instrument :

BNA_F

ClientSampleId :

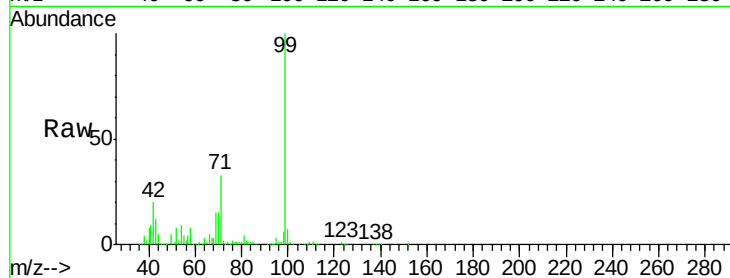
Tot Ion: 99 Resp: 557250

Ion Ratio Lower Upper

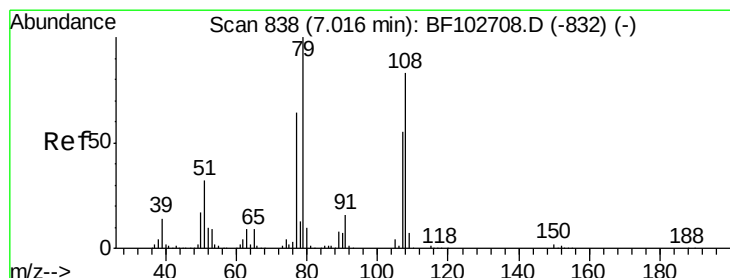
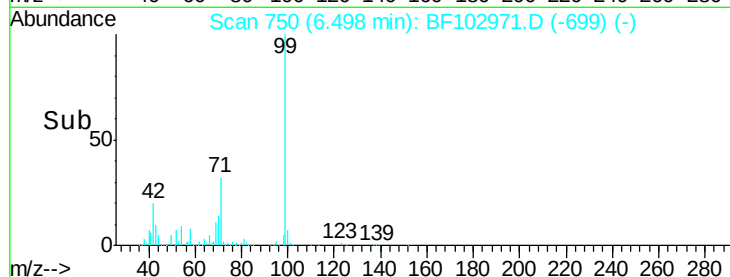
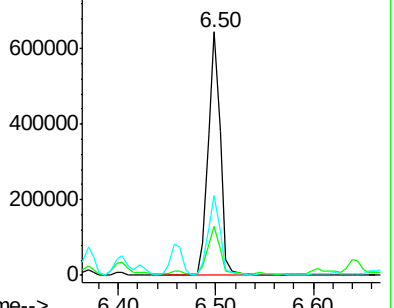
99 100

42 20.2 14.5 21.7

71 32.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

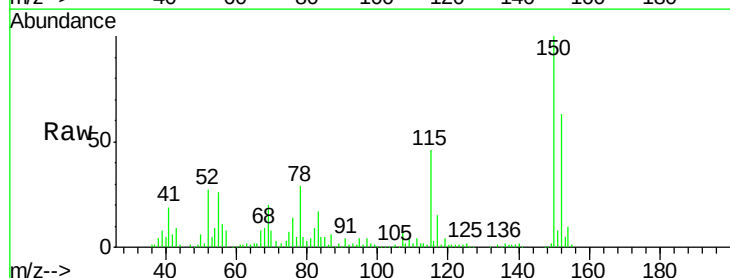
Tgt Ion: 79 Resp: 20010

Ion Ratio Lower Upper

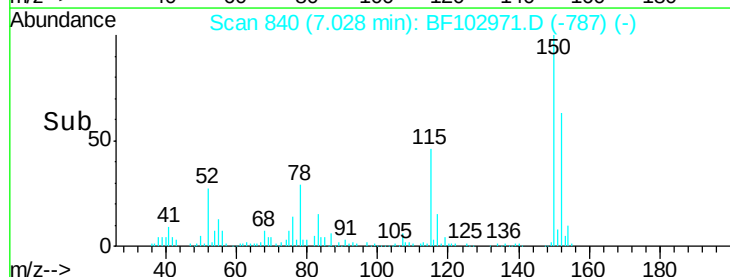
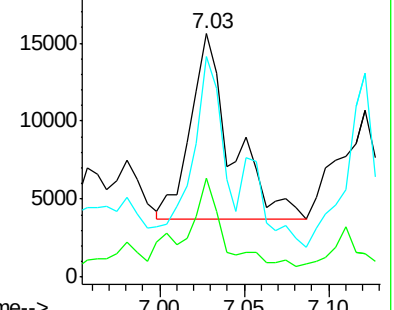
79 100

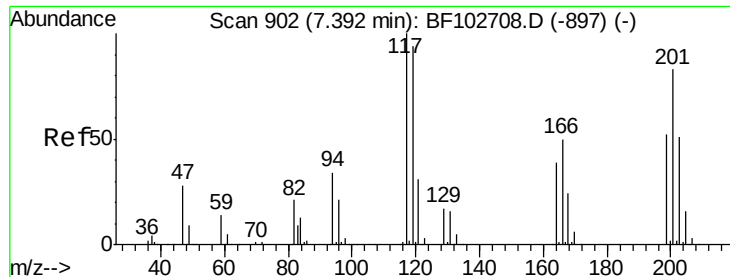
108 40.4 65.1 97.7#

77 90.7 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

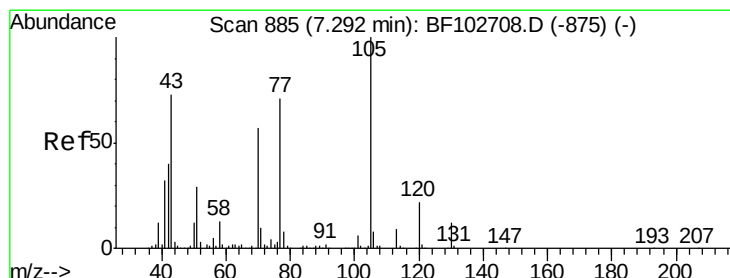
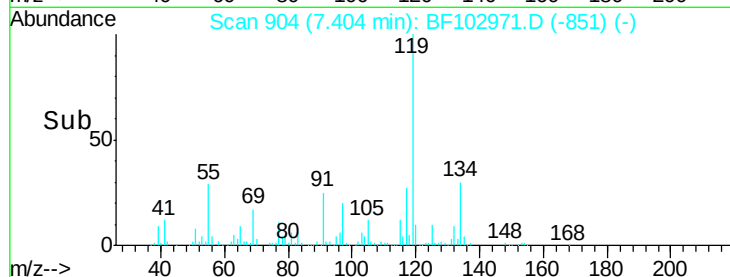
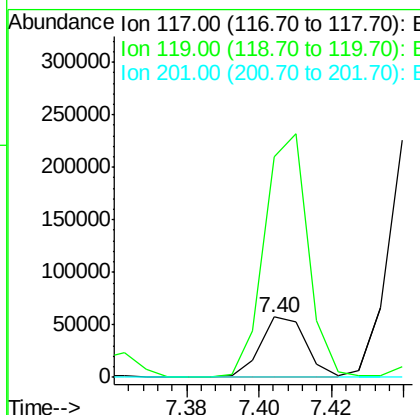
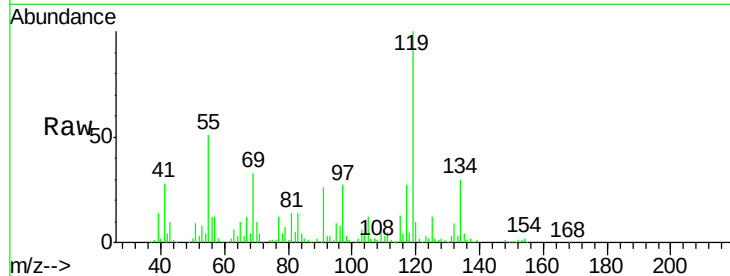




#18
Hexachloroethane
Concen: 12.98 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.01 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

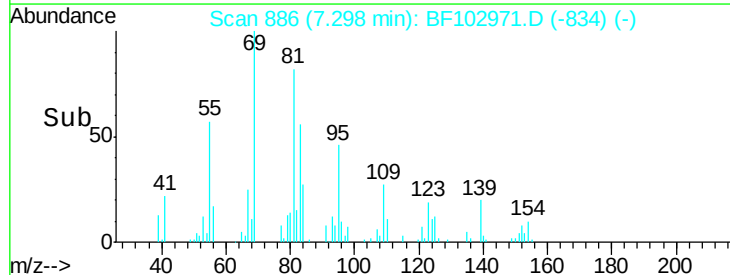
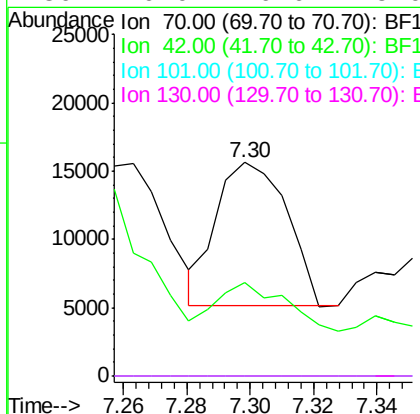
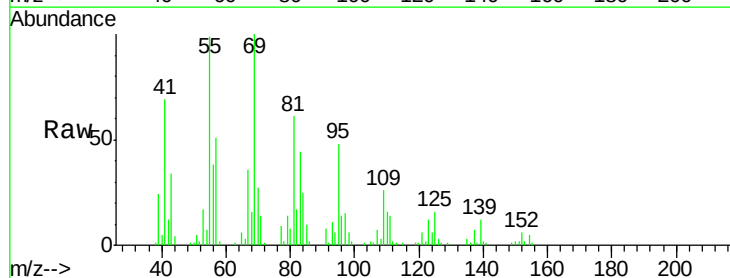
Instrument :
BNA_F
ClientSampleId :

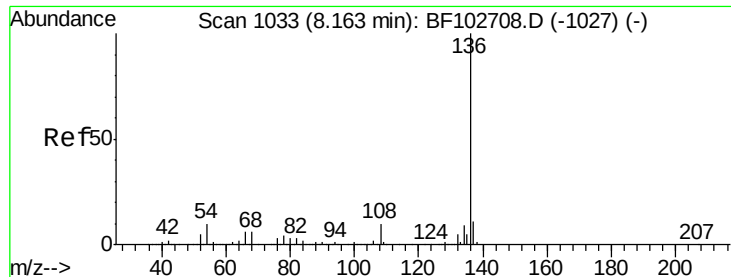
Tot Ion:117 Resp: 50101
Ion Ratio Lower Upper
117 100
119 365.8 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 2.15 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Tgt Ion: 70 Resp: 16150
Ion Ratio Lower Upper
70 100
42 43.9 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#

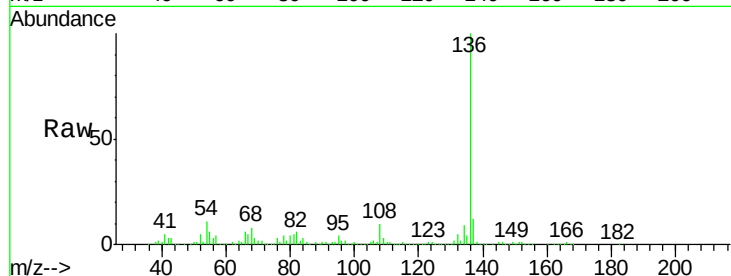




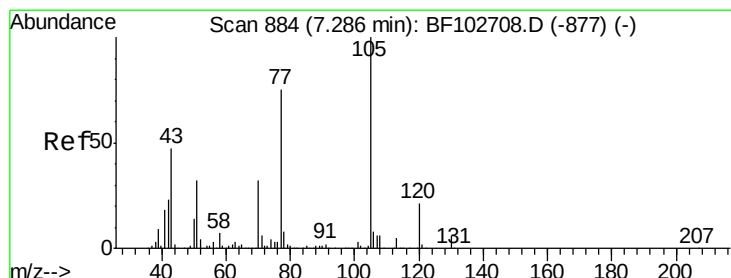
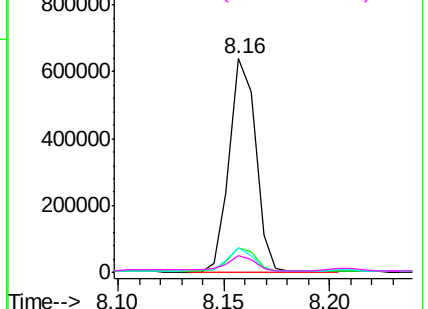
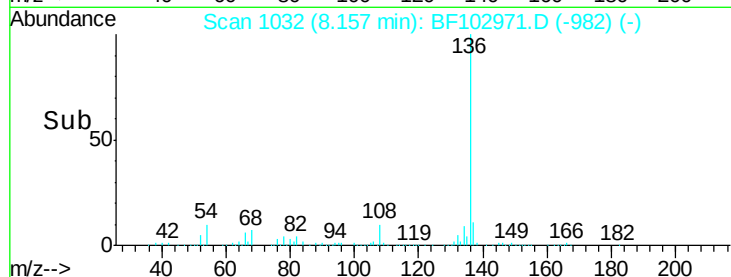
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	554393
Ion Ratio	Lower	Upper
136	100	
137	11.6	8.9 13.3
54	11.2	6.6 9.8#
68	7.8	5.0 7.4#

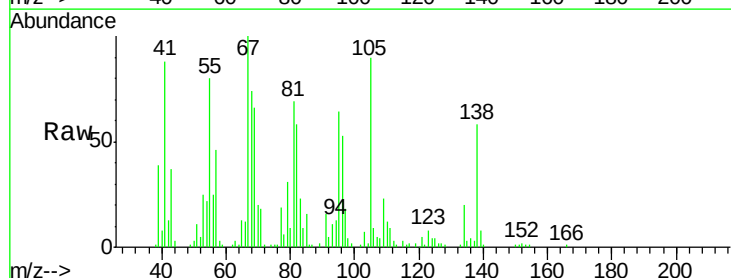


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

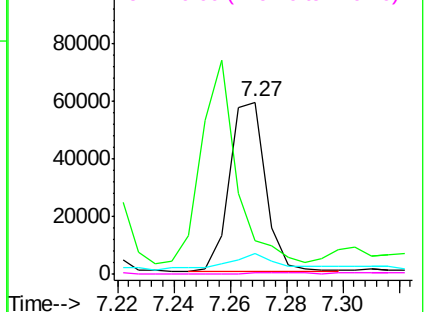
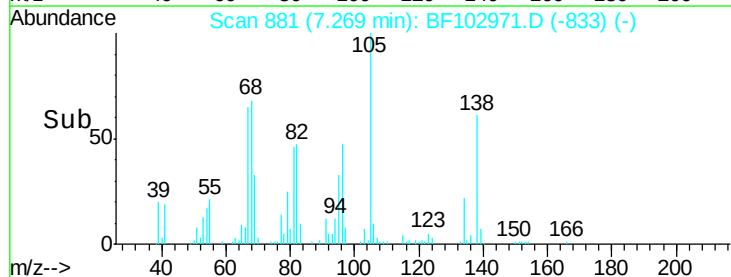


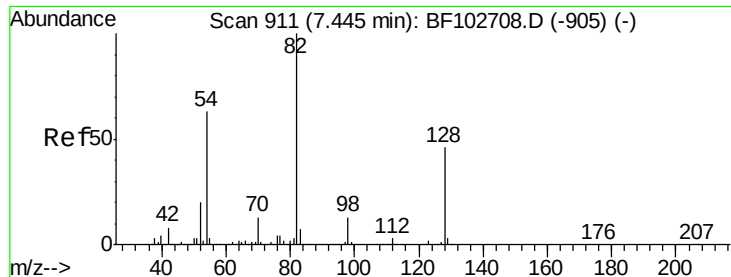
#22
Acetophenone
Concen: 3.86 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Tgt Ion:105	Resp:	52409
Ion Ratio	Lower	Upper
105	100	
71	19.7	4.4 6.6#
51	12.0	22.3 33.5#
120	0.5	16.9 25.3#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

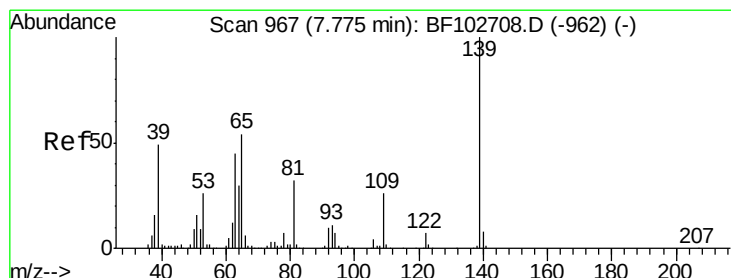
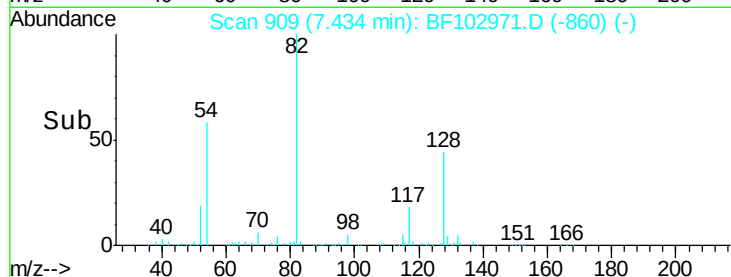
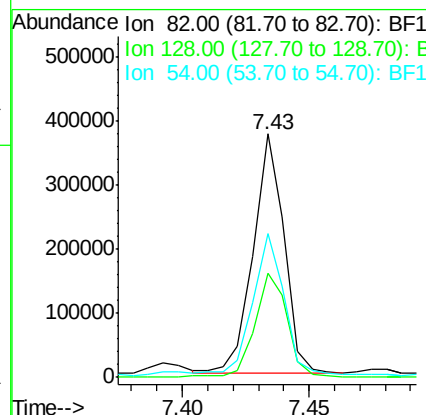
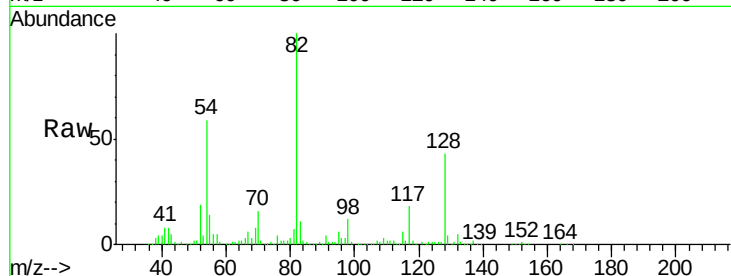




#23
 Nitrobenzene-d5
 Concen: 40.06 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF102971.D
 Acq: 13 Feb 2018 19:34

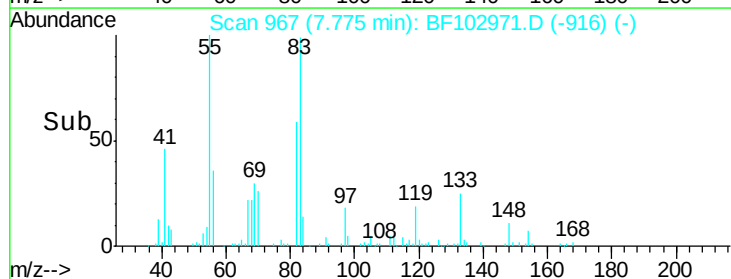
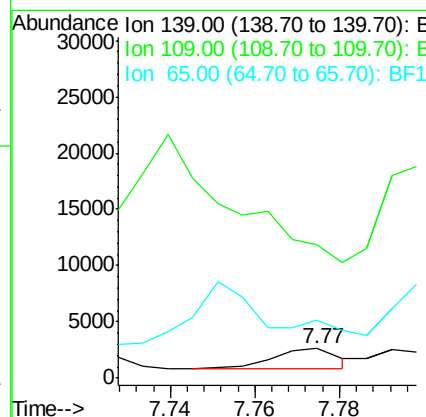
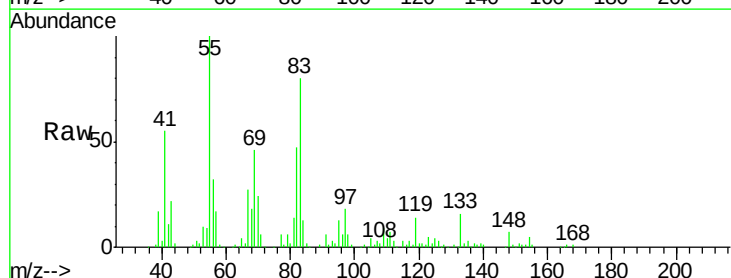
Instrument :
 BNA_F
 ClientSampleId :

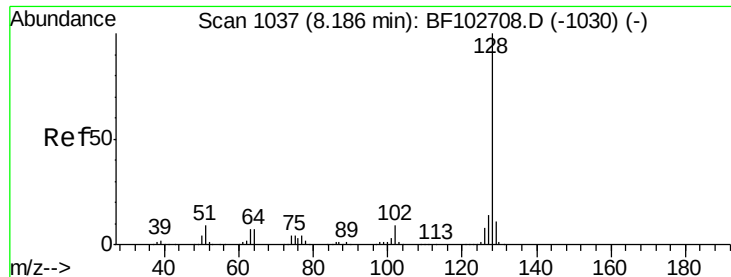
Tot Ion	82	Resp	320110
Ion Ratio	100	Lower	Upper
128	42.6	36.1	54.1
54	58.9	41.4	62.2



#26
 2-Nitrophenol
 Concen: 9.08 ng
 RT: 7.77 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF102971.D
 Acq: 13 Feb 2018 19:34

Tgt Ion	139	Resp	1963
Ion Ratio	100	Lower	Upper
109	453.9	22.7	34.1#
65	196.9	40.5	60.7#

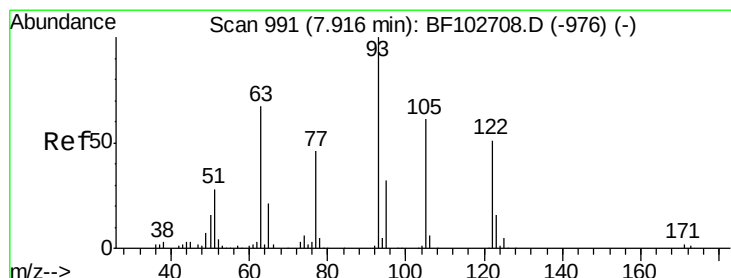
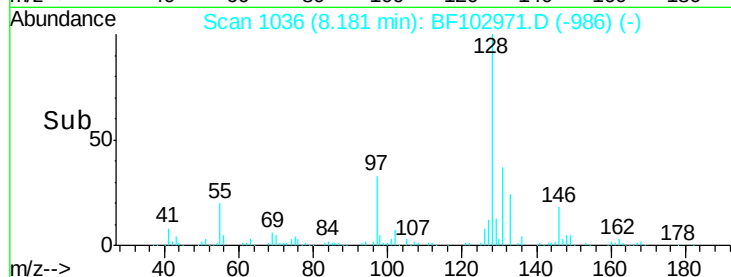
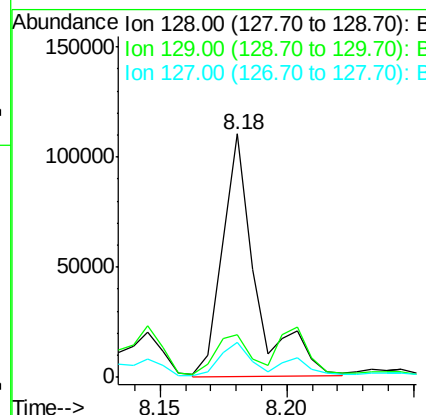
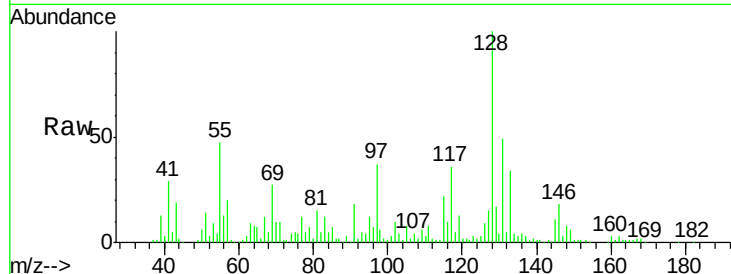




#31
Naphthalene
Concen: 3.77 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

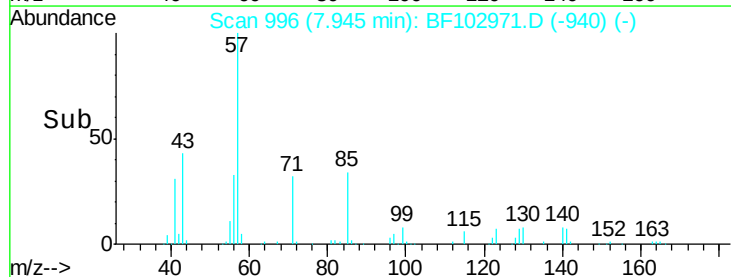
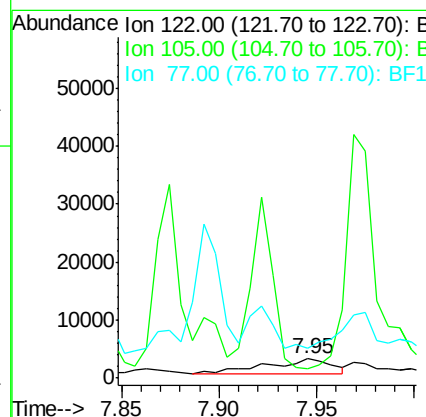
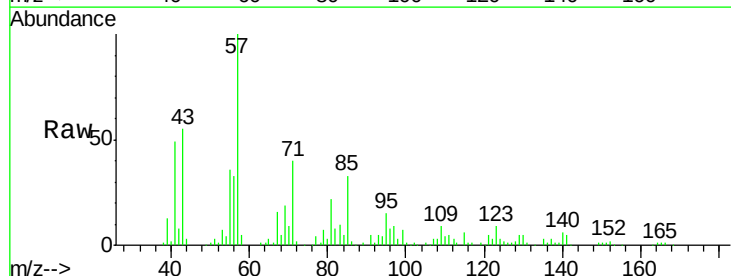
Instrument :
BNA_F
ClientSampled :

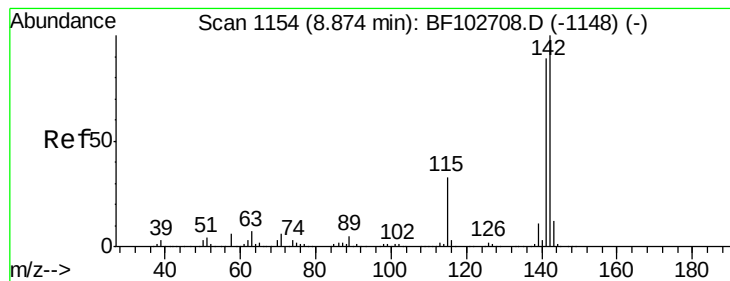
Tot Ion:128 Resp: 102171
Ion Ratio Lower Upper
128 100
129 17.4 8.8 13.2#
127 14.5 10.9 16.3



#32
Benzoic acid
Concen: 9.55 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.03 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Tgt Ion:122 Resp: 5729
Ion Ratio Lower Upper
122 100
105 50.8 101.1 141.1#
77 153.0 70.7 110.7#

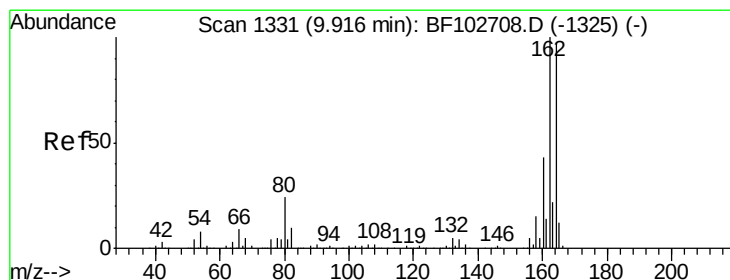
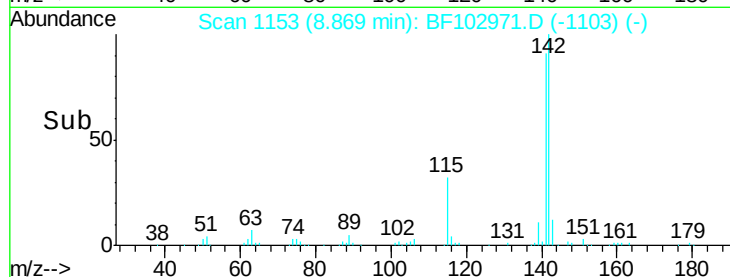
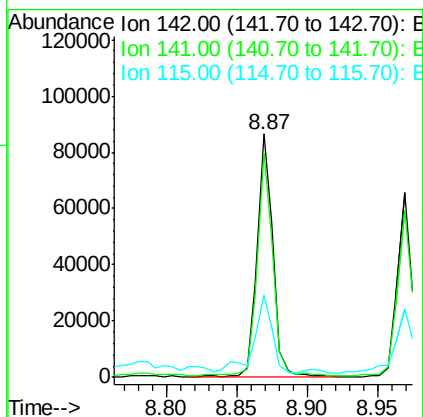
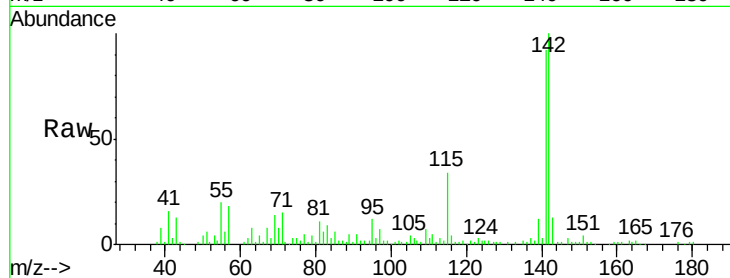




#37
 2-Methylnaphthalene
 Concen: 3.90 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF102971.D
 Acq: 13 Feb 2018 19:34

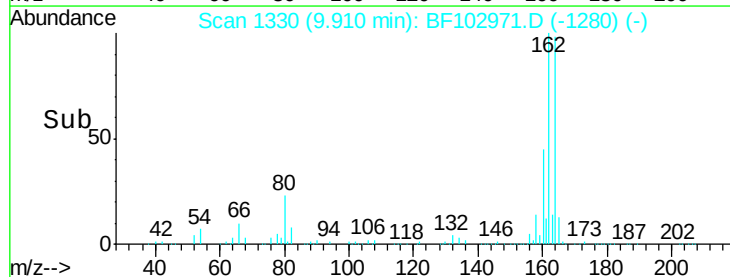
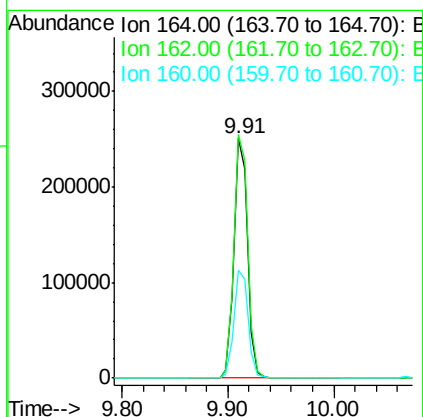
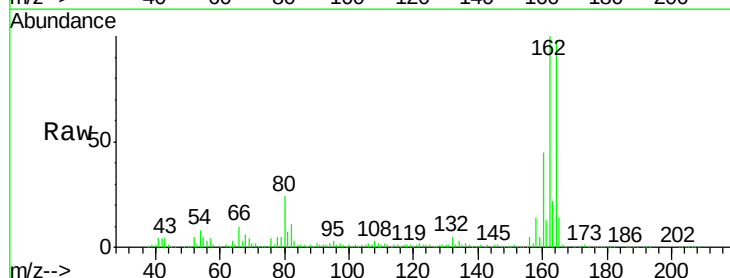
Instrument :
 BNA_F
 ClientSampleId :

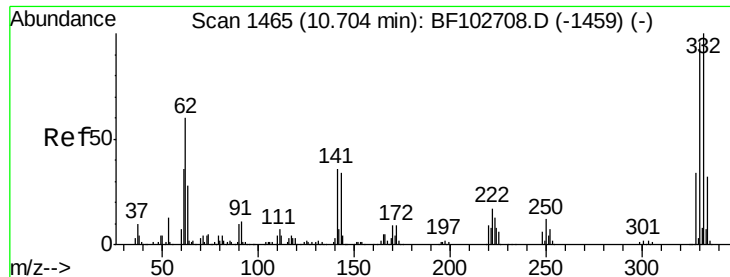
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	70.8	106.2
115	33.6	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF102971.D
 Acq: 13 Feb 2018 19:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.1	129.1
160	45.3	38.3	57.5

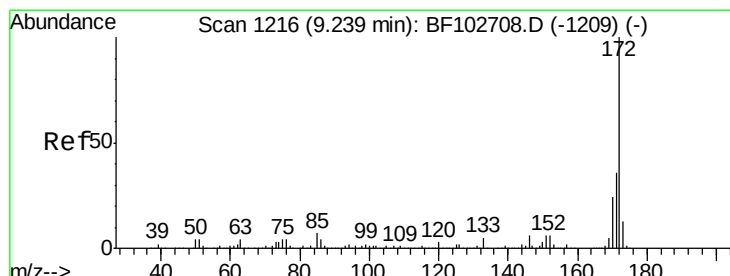
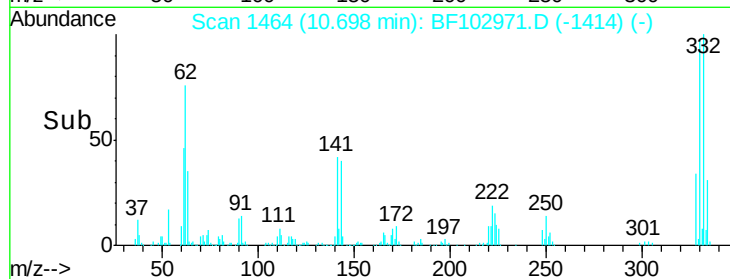
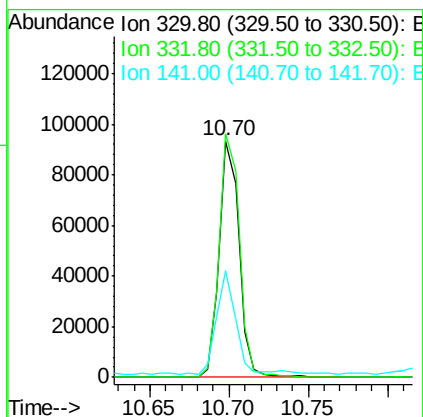
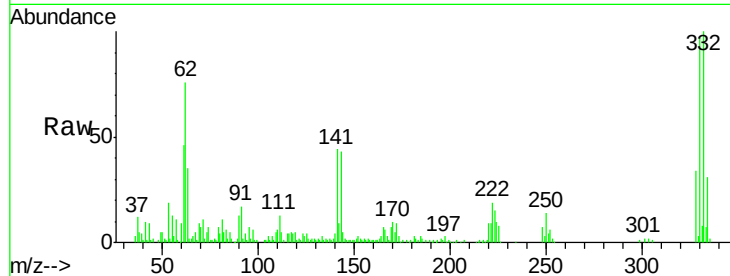




#41
 2,4,6-Tribromophenol
 Concen: 45.91 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF102971.D
 Acq: 13 Feb 2018 19:34

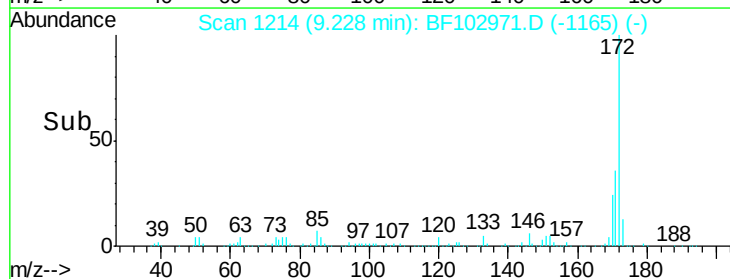
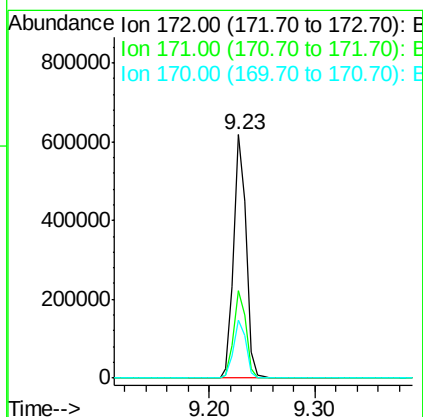
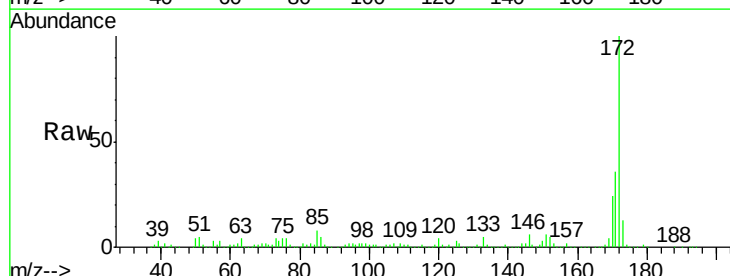
Instrument :
 BNA_F
 ClientSampleId :

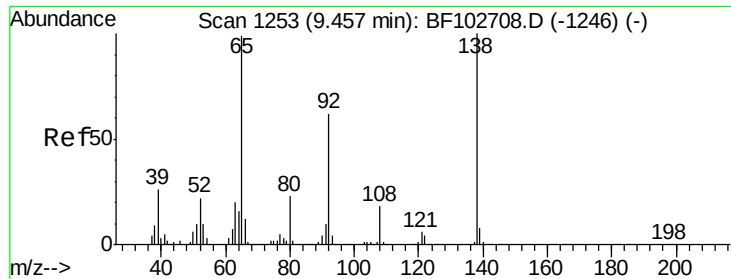
Tot Ion	Ratio	Lower	Upper
330	100		
332	104.7	77.0	115.6
141	42.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 37.50 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF102971.D
 Acq: 13 Feb 2018 19:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.9	19.6	29.4

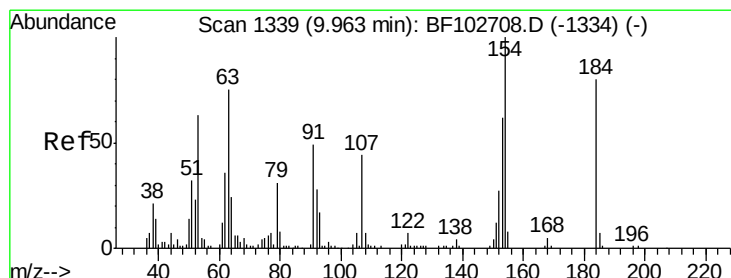
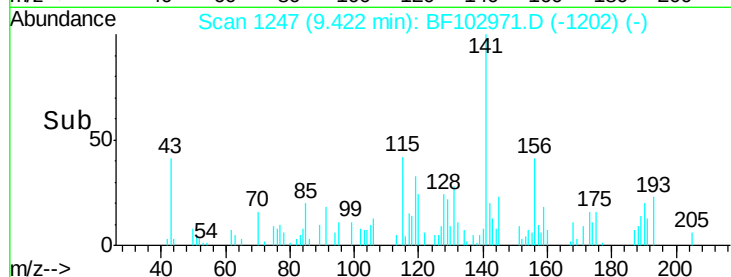
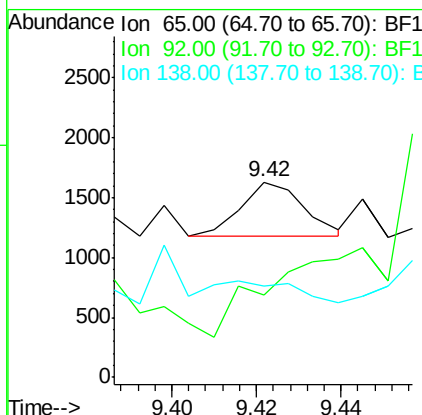
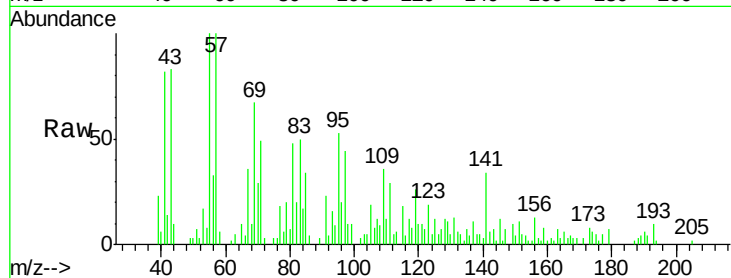




#47
2-Nitroaniline
Concen: 3.57 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.03 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

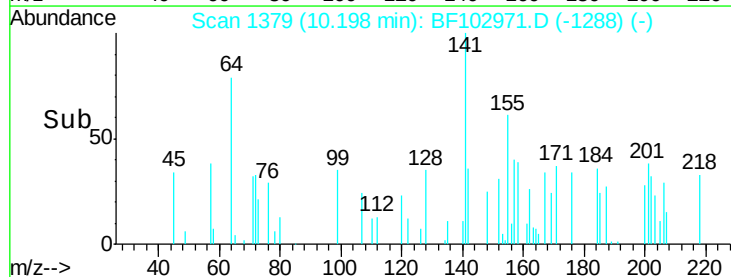
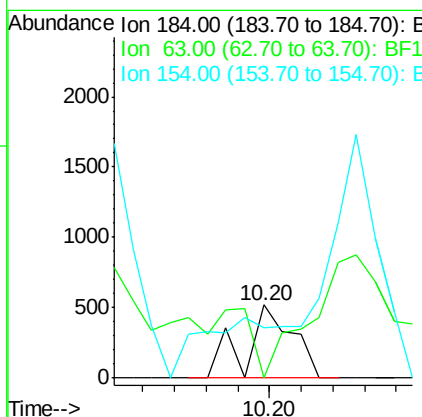
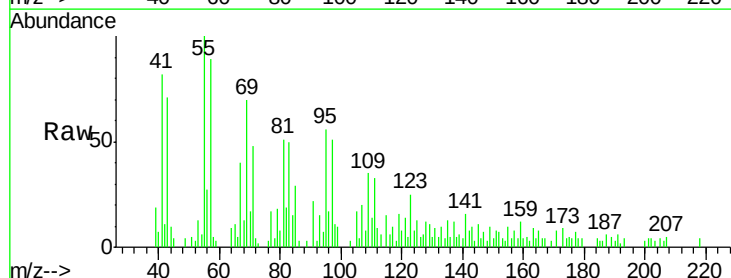
Instrument :
BNA_F
ClientSampleId :

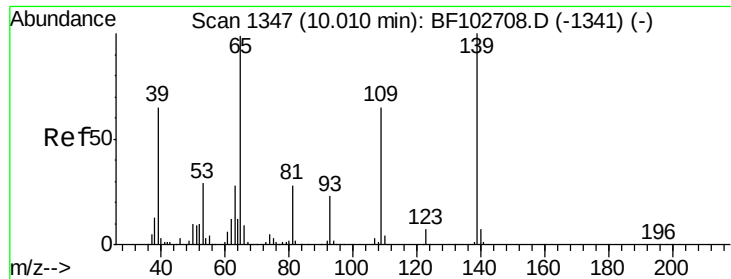
Tot Ion: 65 Resp: 466
Ion Ratio Lower Upper
65 100
92 42.5 55.8 83.6#
138 47.1 91.2 136.8#



#53
2,4-Dinitrophenol
Concen: 8.86 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.24 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Tgt Ion: 184 Resp: 537
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 69.5 184.0 276.0#

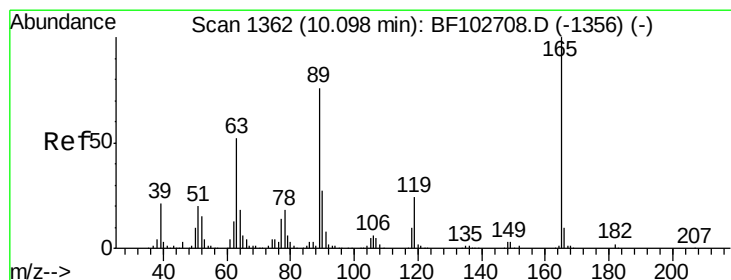
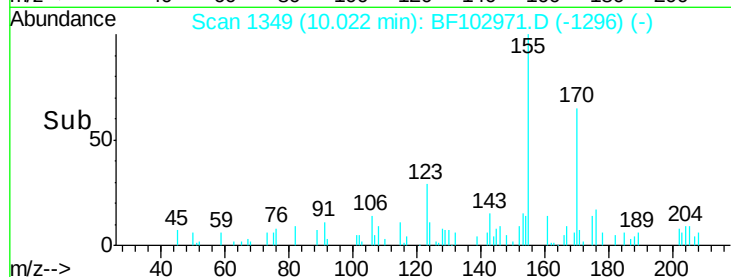
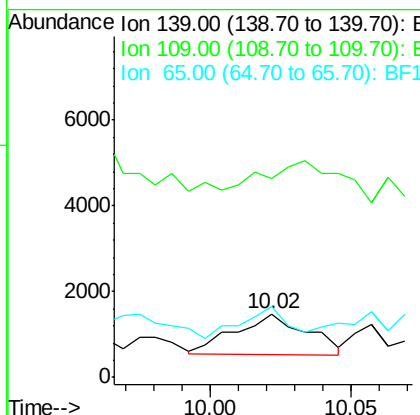
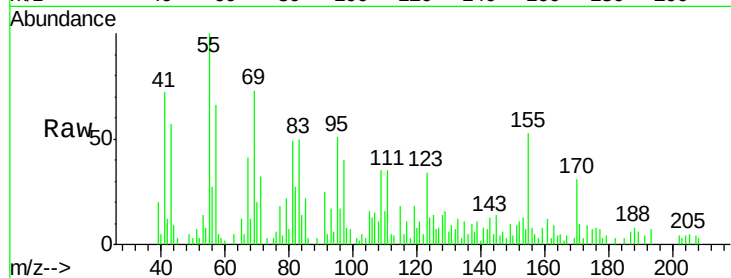




#55
4-Nitrophenol
Concen: 4.51 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

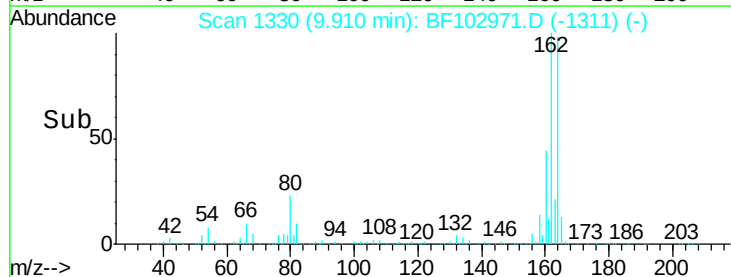
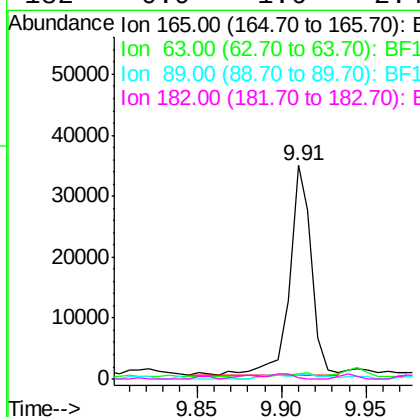
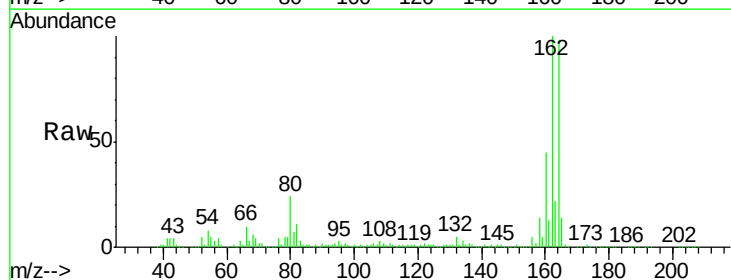
Instrument :
BNA_F
ClientSampleId :

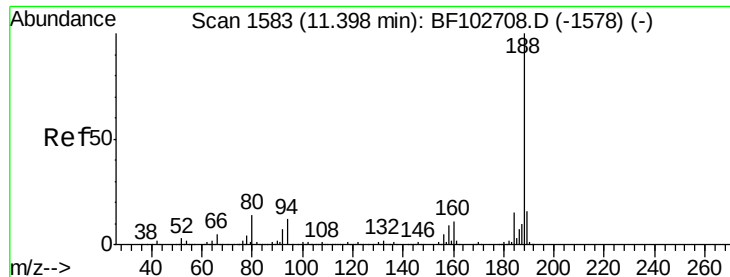
Tot Ion:139 Resp: 1683
Ion Ratio Lower Upper
139 100
109 313.6 48.4 88.4#
65 110.9 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 9.72 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.19 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Tgt Ion:165 Resp: 31175
Ion Ratio Lower Upper
165 100
63 2.4 36.4 54.6#
89 1.9 57.8 86.6#
182 0.9 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

Instrument :

BNA_F

ClientSampled :

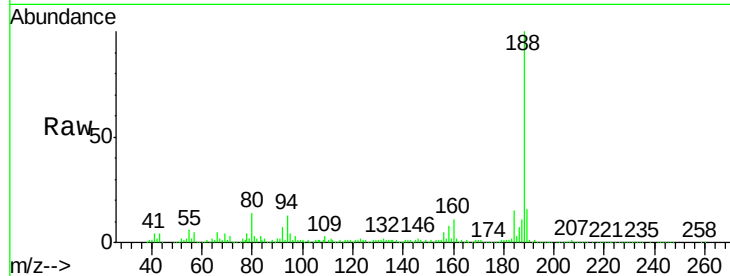
Tot Ion:188 Resp: 339713

Ion Ratio Lower Upper

188 100

94 13.0 8.5 12.7#

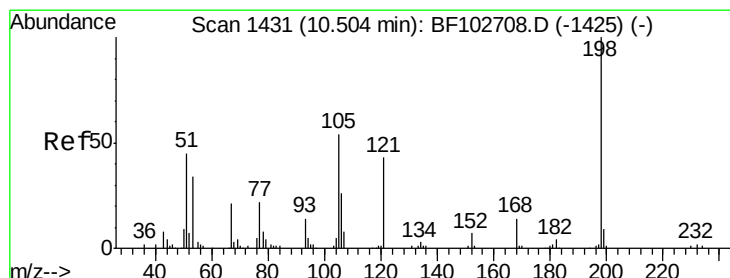
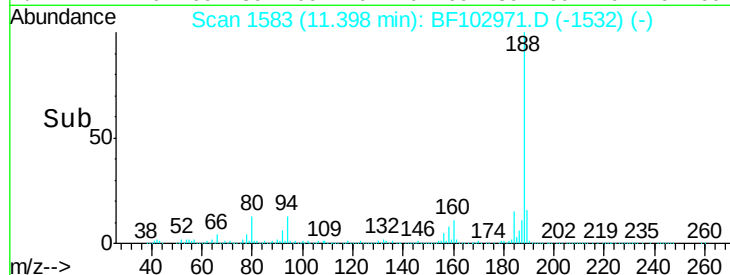
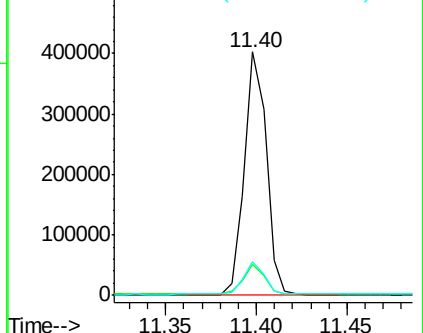
80 13.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.86 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.05 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

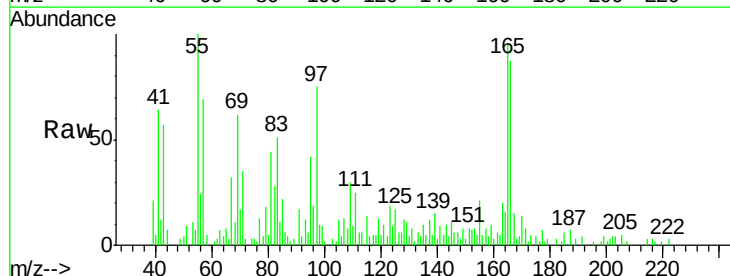
Tgt Ion:198 Resp: 109

Ion Ratio Lower Upper

198 100

51 471.9 37.7 77.7#

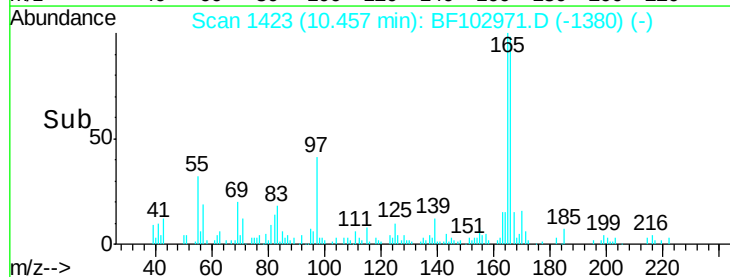
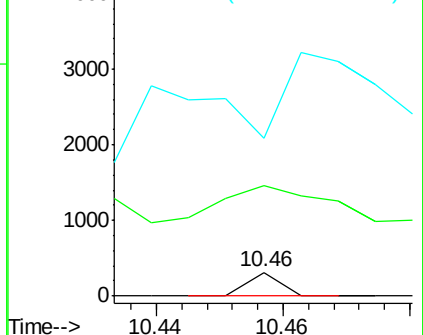
105 673.9 36.3 76.3#

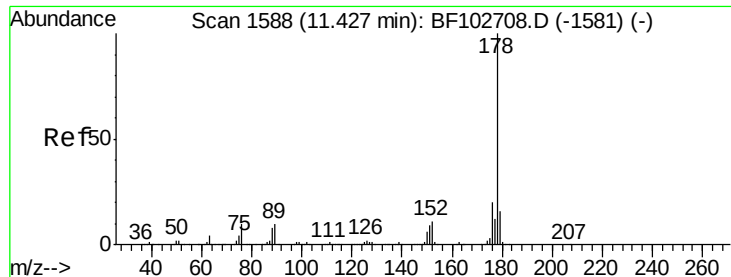


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 2.38 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

Instrument :

BNA_F

ClientSampleId :

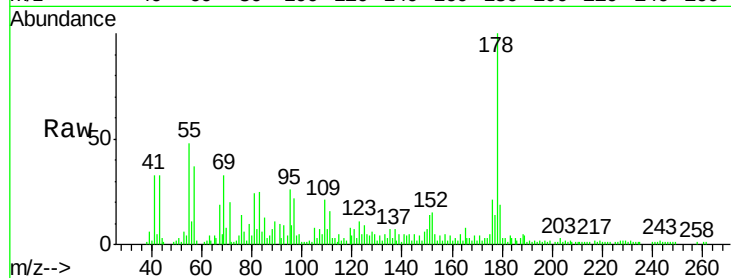
Tot Ion:178 Resp: 44993

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

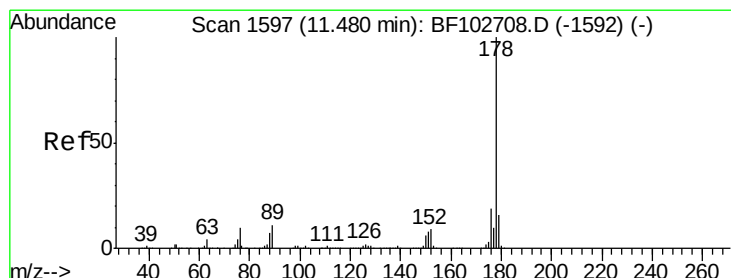
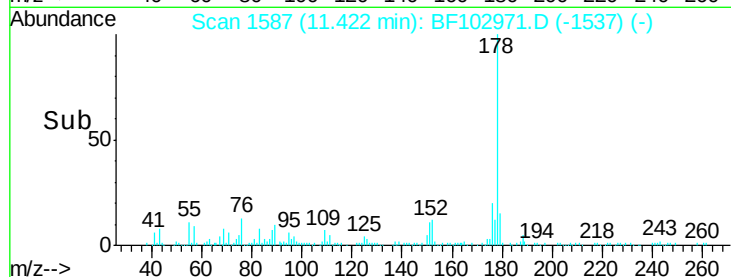
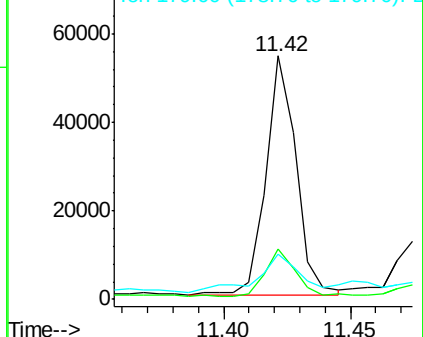
179 18.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.34 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.06 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

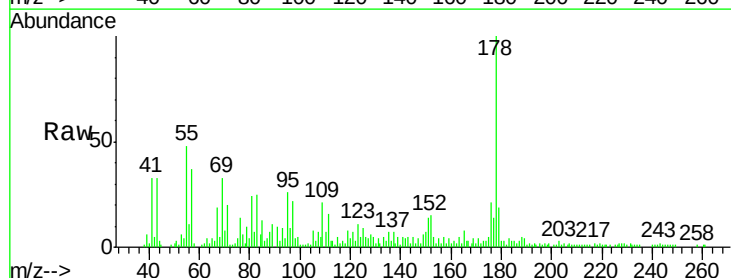
Tgt Ion:178 Resp: 44993

Ion Ratio Lower Upper

178 100

176 20.6 15.4 23.2

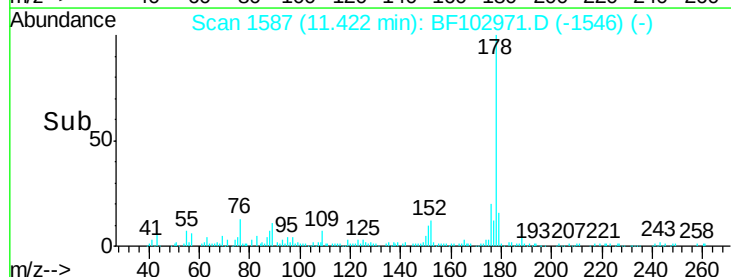
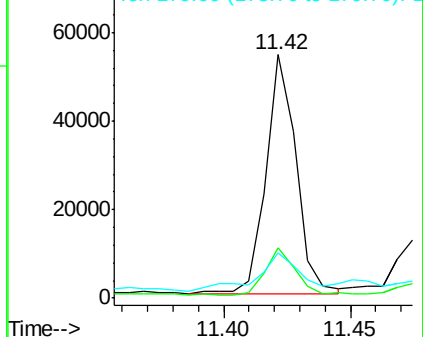
179 18.6 12.6 19.0

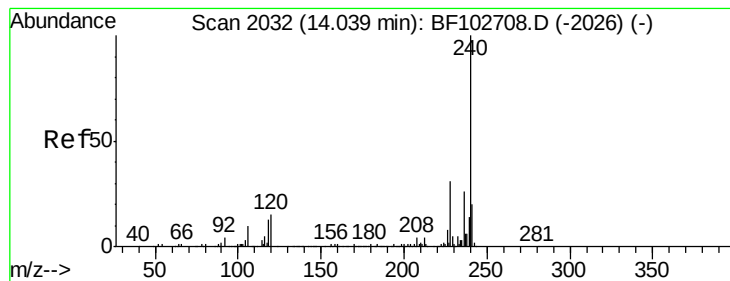


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

Instrument :

BNA_F

ClientSampleId :

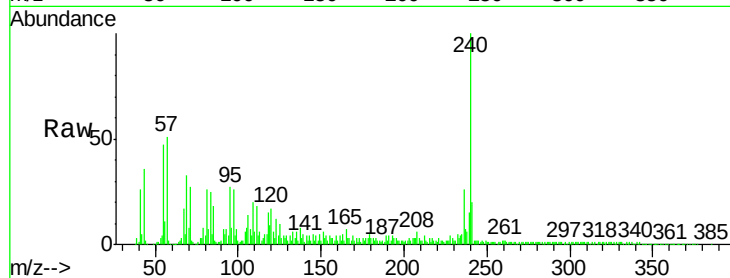
Tot Ion:240 Resp: 219555

Ion Ratio Lower Upper

240 100

120 17.1 9.5 14.3#

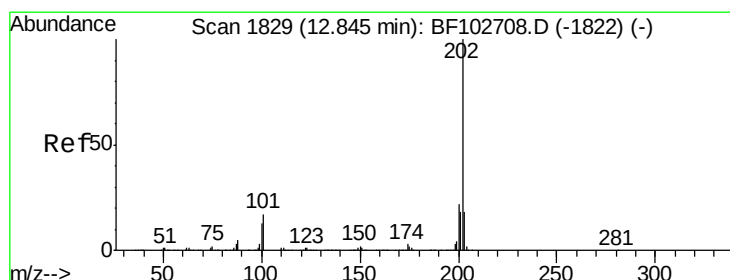
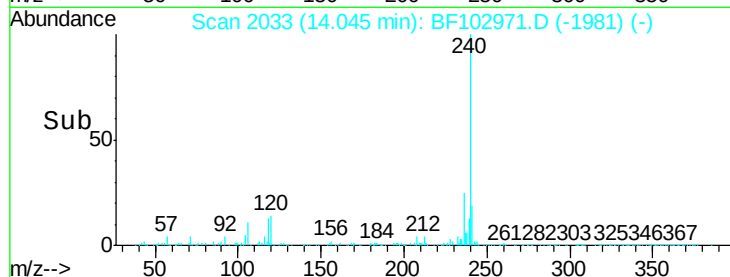
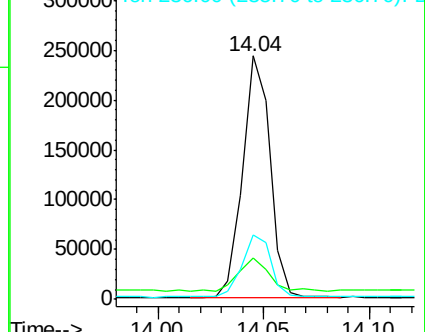
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.09 ng

RT: 12.84 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

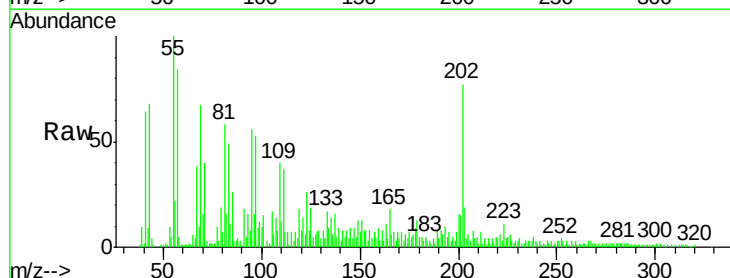
Tgt Ion:202 Resp: 53188

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

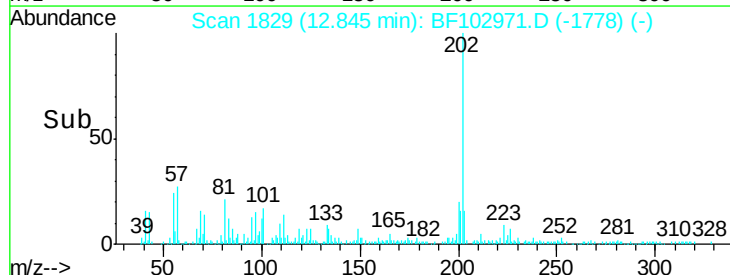
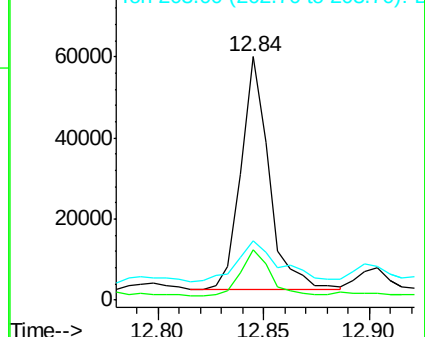
203 24.1 14.3 21.5#

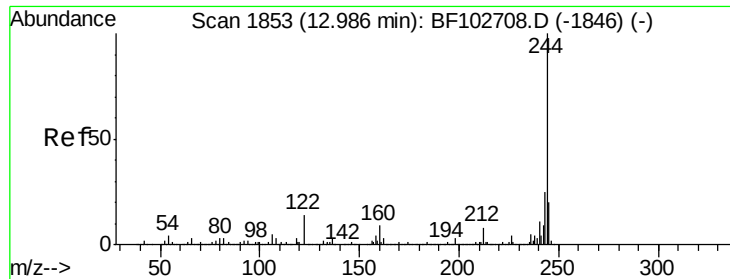


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 39.68 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

Instrument :

BNA_F

ClientSampleId :

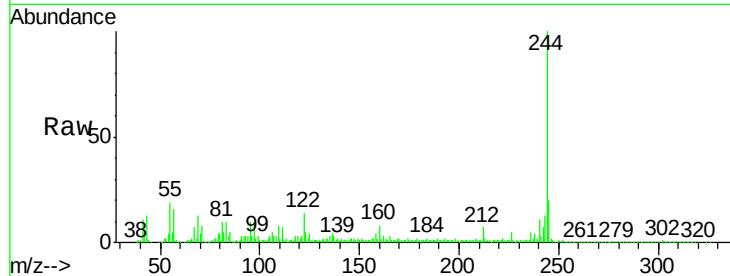
Tot Ion:244 Resp: 367980

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

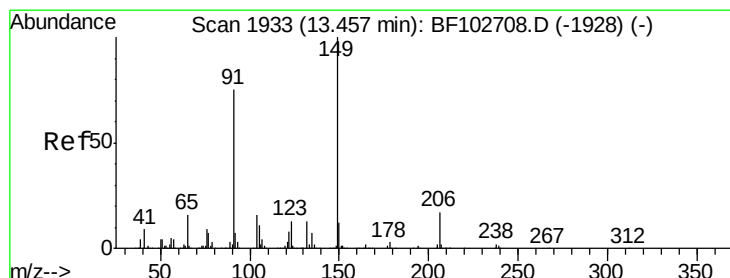
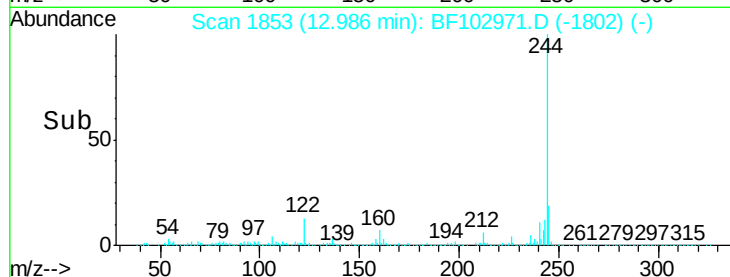
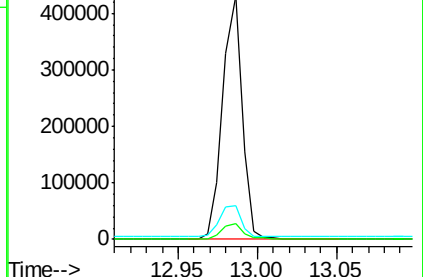
122 14.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 2.02 ng

RT: 13.46 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

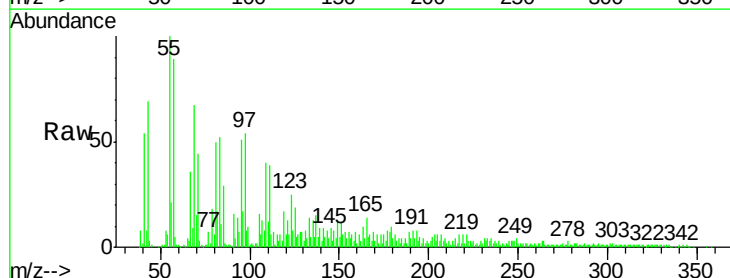
Tgt Ion:149 Resp: 8400

Ion Ratio Lower Upper

149 100

91 122.1 56.8 85.2#

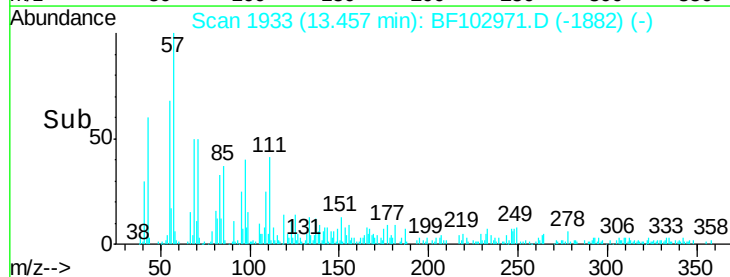
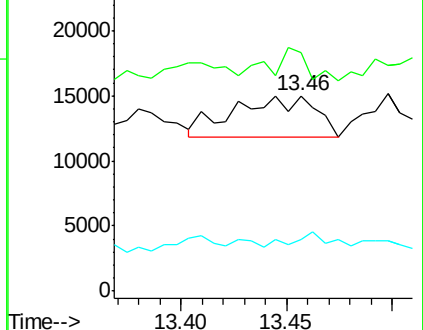
206 26.4 14.1 21.1#

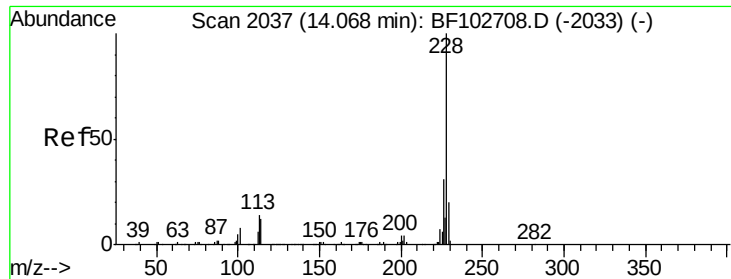


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#82

Chrysene

Concen: 2.09 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

Instrument :

BNA_F

ClientSampleId :

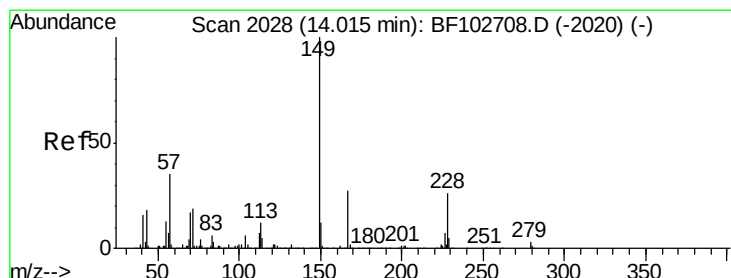
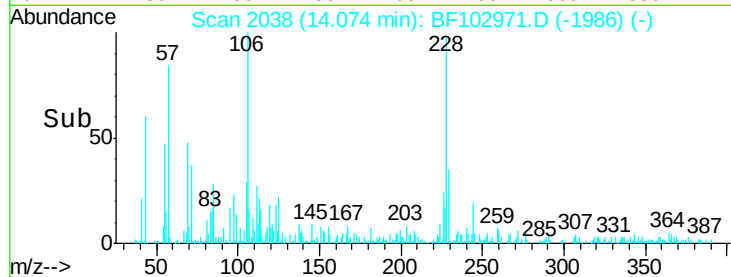
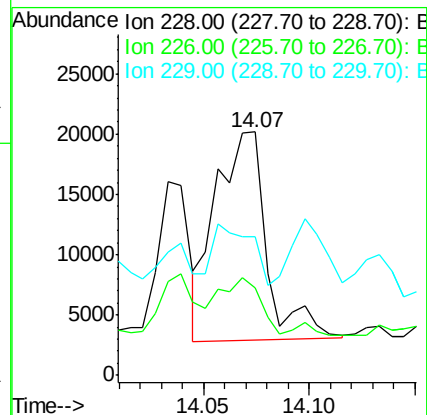
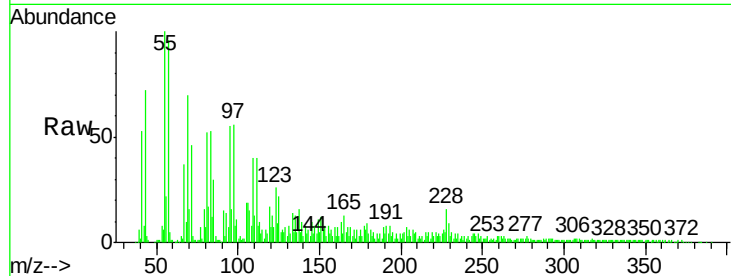
Tot Ion:228 Resp: 29068

Ion Ratio Lower Upper

228 100

226 35.8 25.0 37.6

229 57.1 16.2 24.4#



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.10 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF102971.D

Acq: 13 Feb 2018 19:34

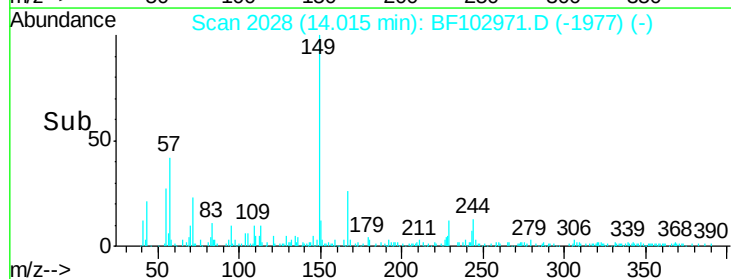
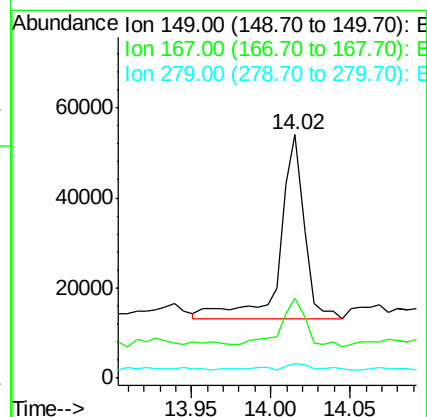
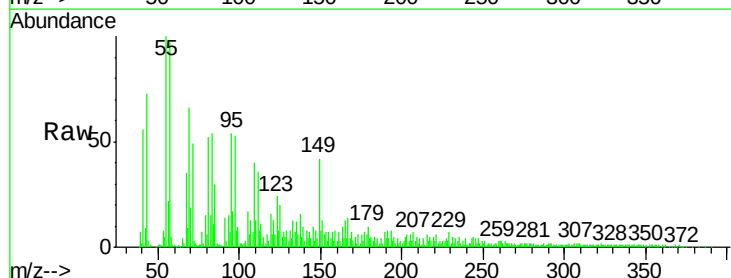
Tgt Ion:149 Resp: 43212

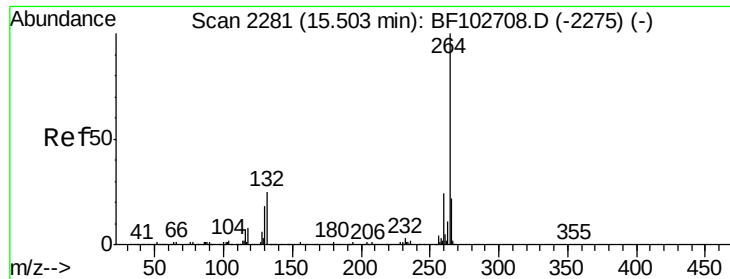
Ion Ratio Lower Upper

149 100

167 32.9 21.3 31.9#

279 5.9 3.0 4.4#

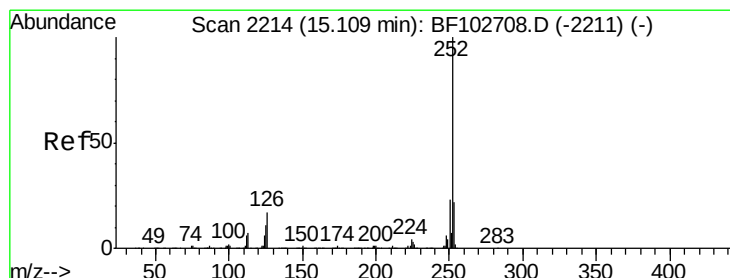
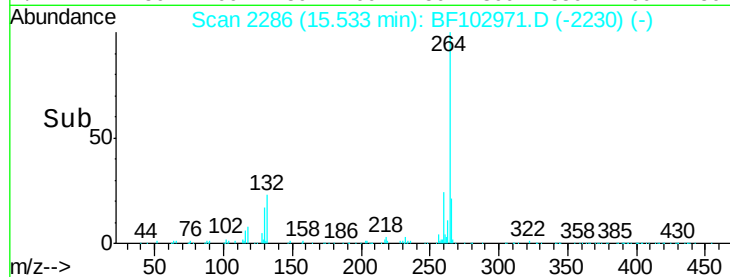
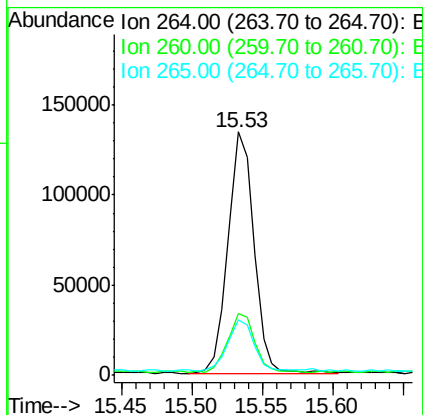
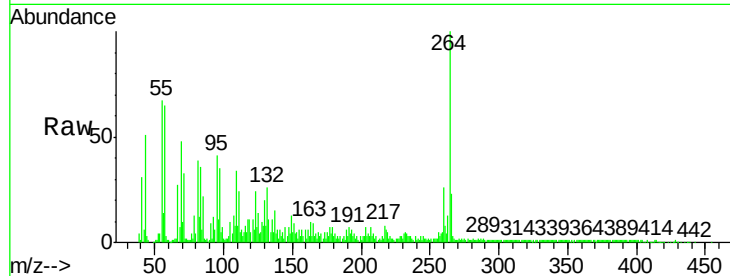




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.03 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 172965
Ion Ratio Lower Upper
264 100
260 25.5 19.2 28.8
265 22.6 17.5 26.3



#88
Benzo(k)fluoranthene
Concen: 2.03 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF102971.D
Acq: 13 Feb 2018 19:34

Tgt Ion:252 Resp: 21794
Ion Ratio Lower Upper
252 100
253 56.8 17.9 26.9#
125 185.4 10.2 15.2#

