

Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\
 Data File : BF102719.D
 Acq On : 3 Feb 2018 16:15
 Operator : SJ/JU
 Sample : J1413-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 01:24:34 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	6.88	152	179132	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	744422	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	299670	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	416663	20.00	ng	0.00
75) Chrysene-d12	14.06	240	188935	20.00	ng	0.02
86) Perylene-d12	15.55	264	234905	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1400817	118.76	ng	0.00
7) Phenol-d6	6.50	99	1659739	116.86	ng	0.00
23) Nitrobenzene-d5	7.45	82	981412	91.46	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	298986	123.96	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1533937	84.94	ng	0.00
78) Terphenyl-d14	13.00	244	742246	93.02	ng	0.01

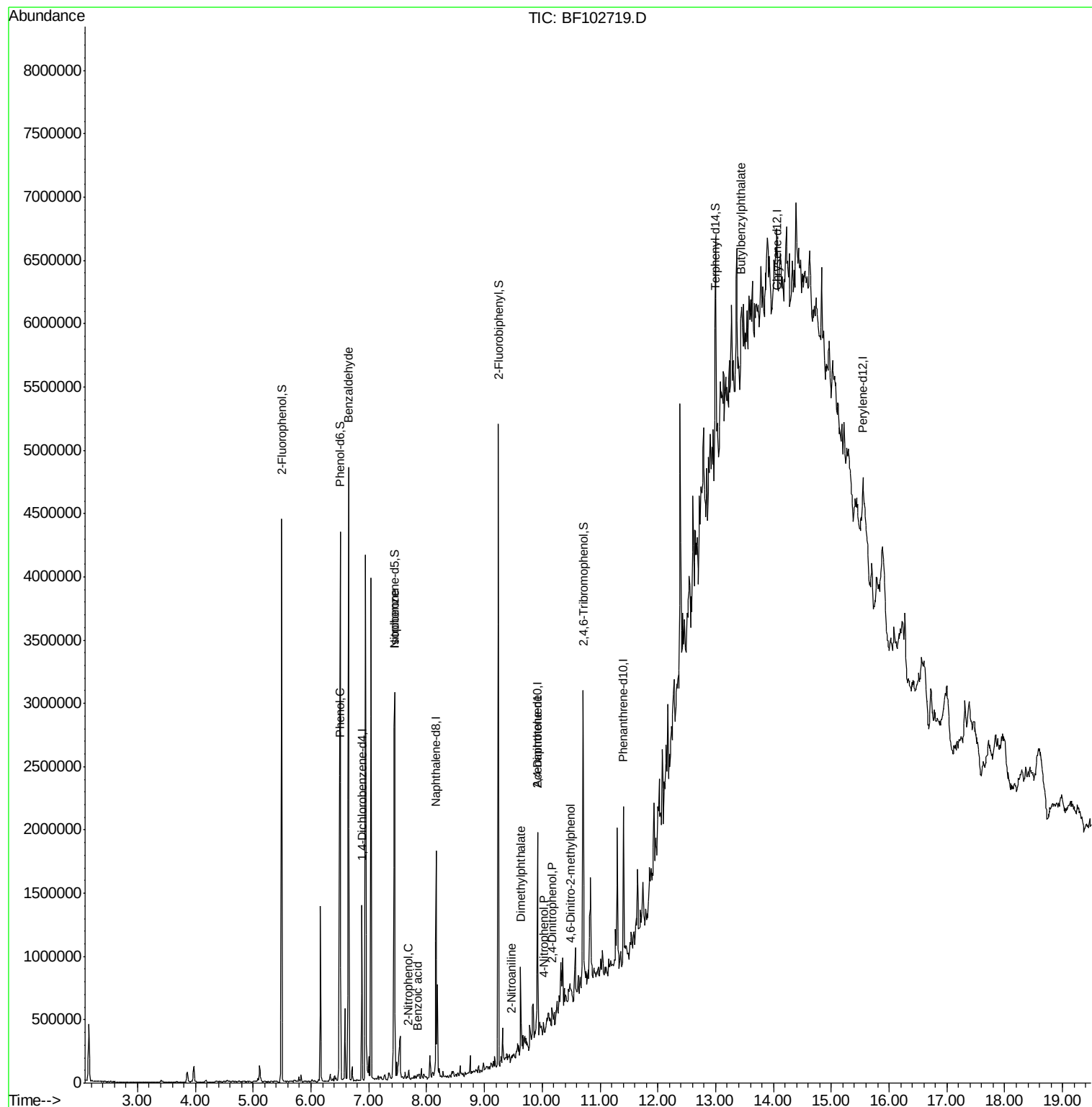
Target Compounds				Qvalue		
9) Benzaldehyde	6.65	77	31286	2.966	ng	83
10) Phenol	6.52	94	208475	13.697	ng	99
25) Isophorone	7.45	82	979775	39.651	ng	# 64
26) 2-Nitrophenol	7.69	139	134	8.687	ng	# 1
32) Benzoic acid	7.83	122	570	8.618	ng	# 70
47) 2-Nitroaniline	9.46	65	300	3.518	ng	# 25
49) Dimethylphthalate	9.63	163	150312	6.433	ng	# 98
53) 2,4-Dinitrophenol	10.17	184	377	8.407	ng	# 15
55) 4-Nitrophenol	10.02	139	1258	4.290	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	42112	9.686	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.49	198	673	9.151	ng	# 1
79) Butylbenzylphthalate	13.43	149	20267	3.824	ng	# 64

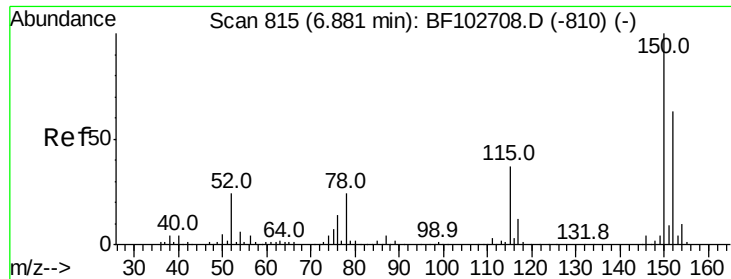
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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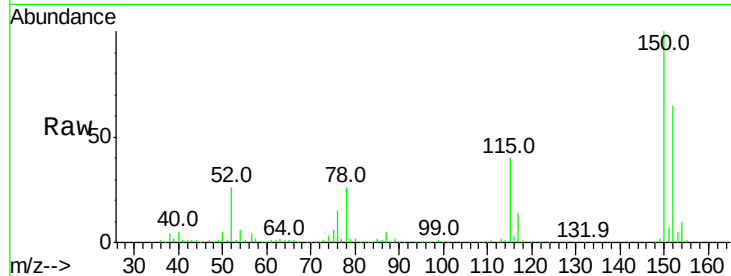


#1

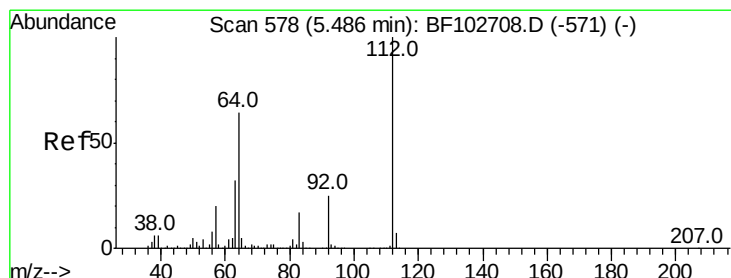
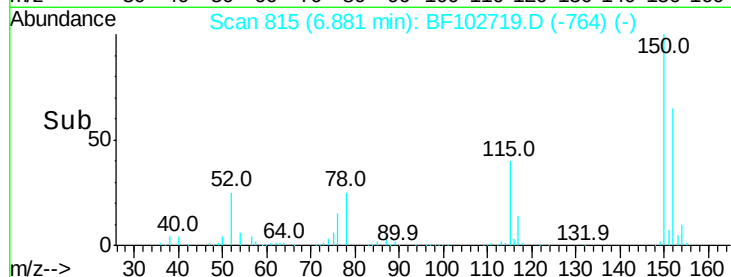
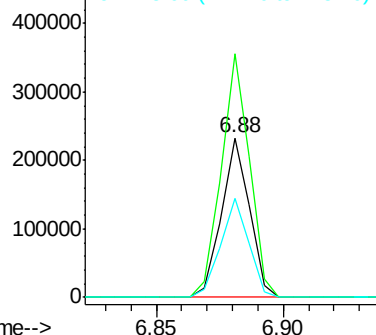
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 179132
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 61.7 50.1 75.1



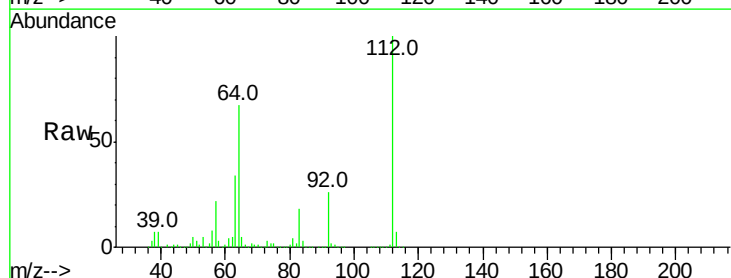
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



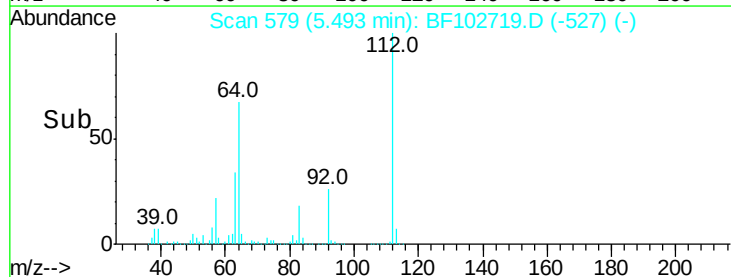
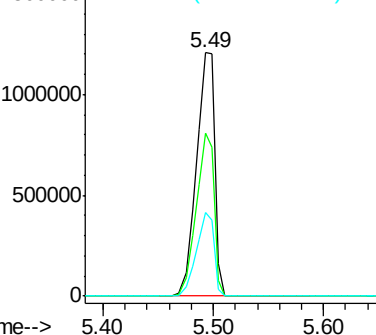
#5

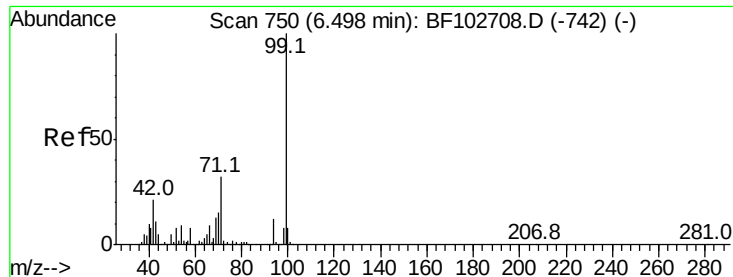
2-Fluorophenol
Concen: 118.760 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

Tgt Ion:112 Resp: 1400817
Ion Ratio Lower Upper
112 100
64 67.1 47.9 71.9
63 34.1 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: 116.863 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

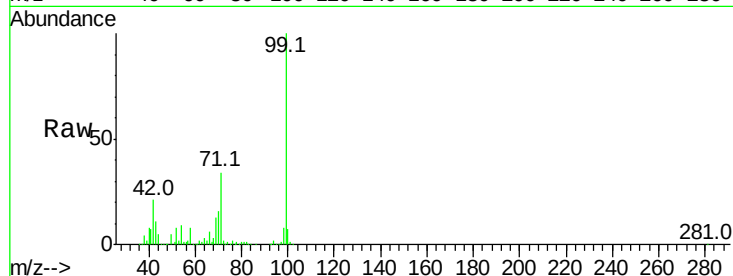
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1659739

Ion	Ratio	Lower	Upper
99	100		
42	20.5	14.5	21.7
71	33.9	25.4	38.0

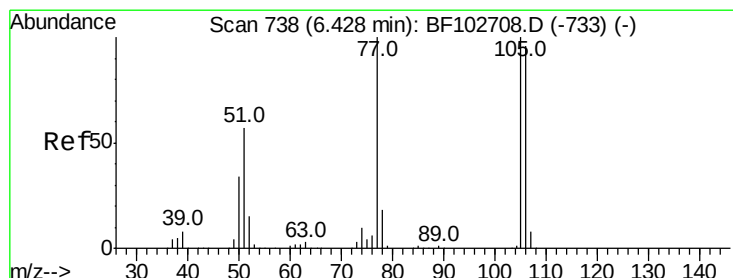
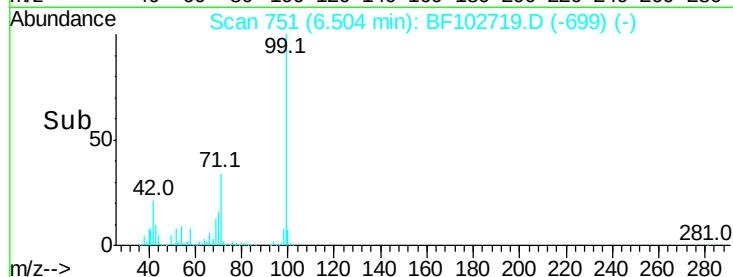
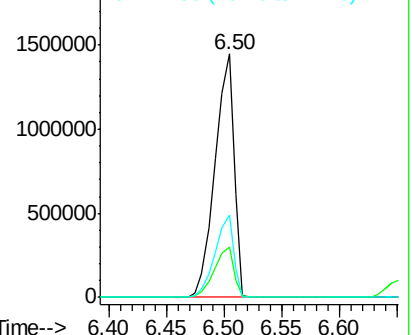


Abundance

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



#9

Benzaldehyde

Concen: 2.966 ng

RT: 6.65 min Scan# 776

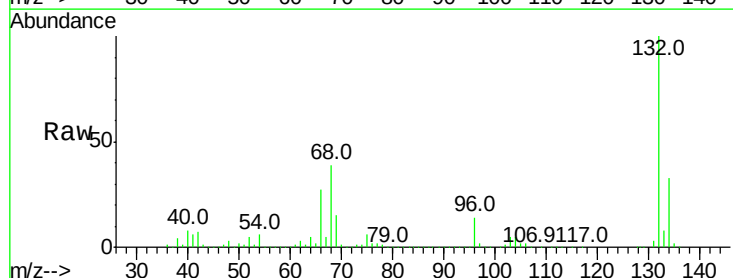
Delta R.T. 0.22 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

Tgt Ion: 77 Resp: 31286

Ion	Ratio	Lower	Upper
77	100		
105	82.6	81.1	121.1
106	79.4	74.5	114.5

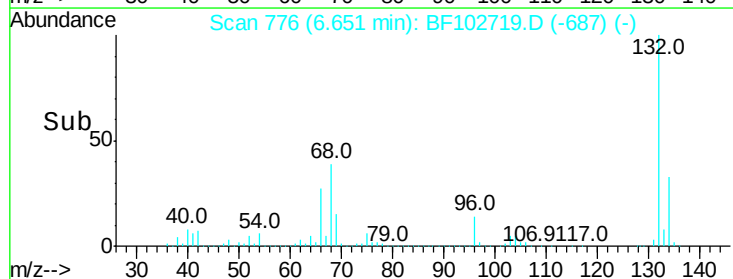
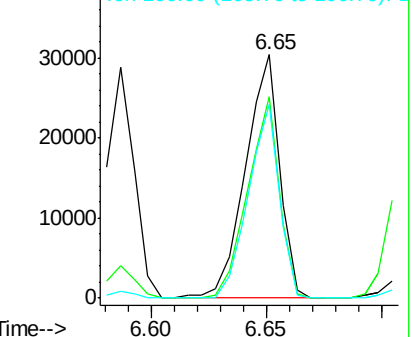


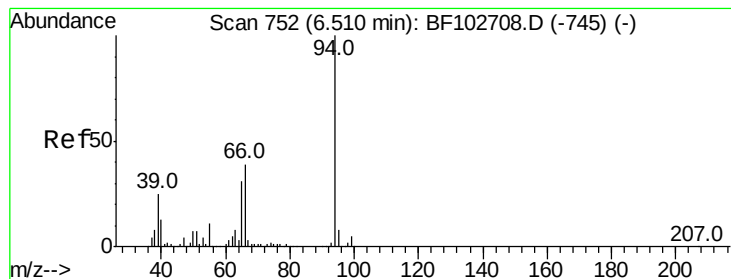
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 13.697 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

Instrument :

BNA_F

ClientSampleId :

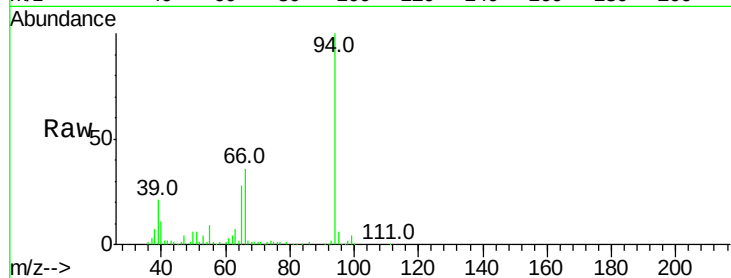
Tot Ion: 94 Resp: 208475

Ion Ratio Lower Upper

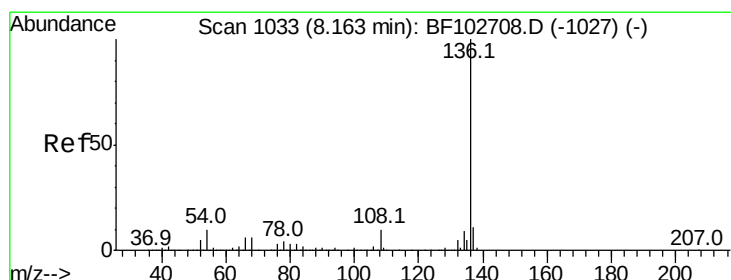
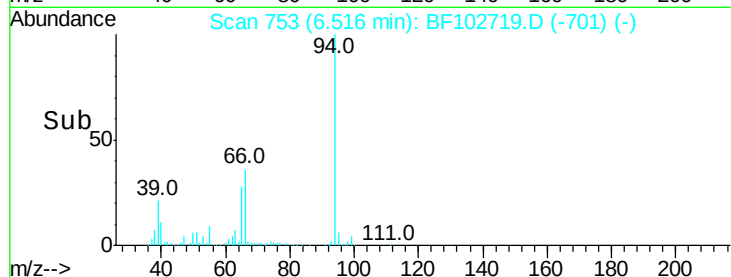
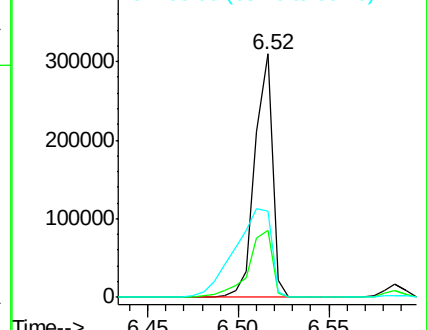
94 100

65 27.5 7.9 47.9

66 35.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

Tgt Ion: 136 Resp: 744422

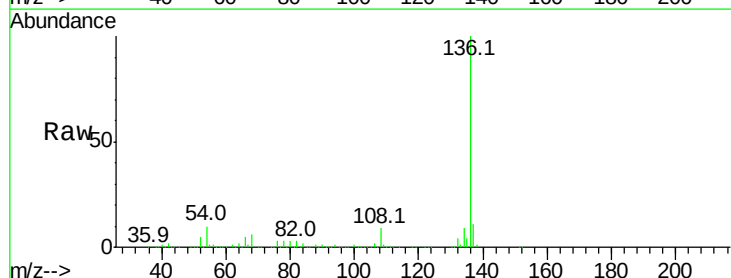
Ion Ratio Lower Upper

136 100

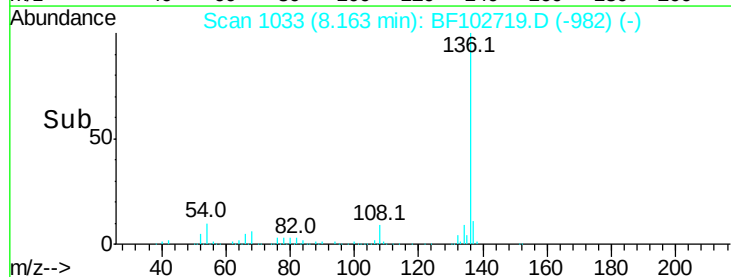
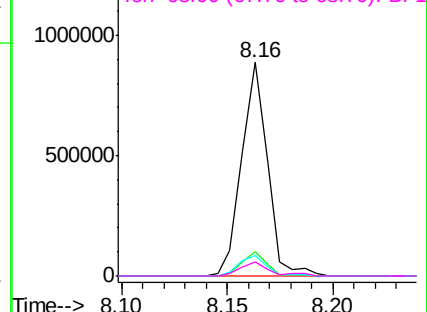
137 11.2 8.9 13.3

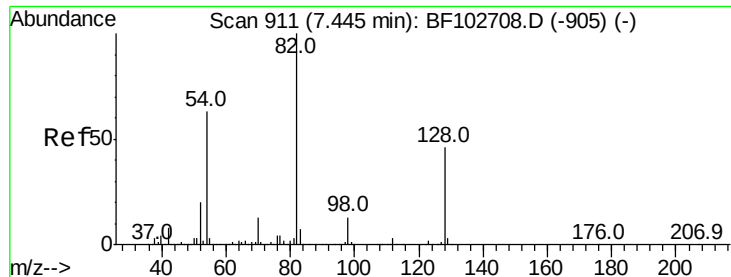
54 9.8 6.6 9.8

68 6.5 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





#23

Nitrobenzene-d5

Concen: 91.455 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

Instrument :

BNA_F

ClientSampleId :

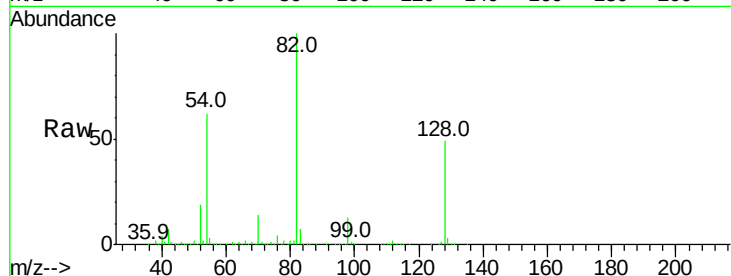
Tot Ion: 82 Resp: 981412

Ion Ratio Lower Upper

82 100

128 48.5 36.1 54.1

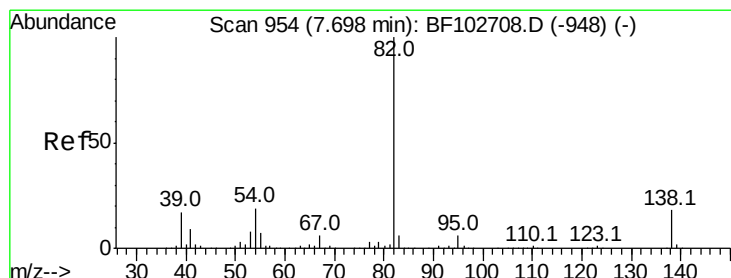
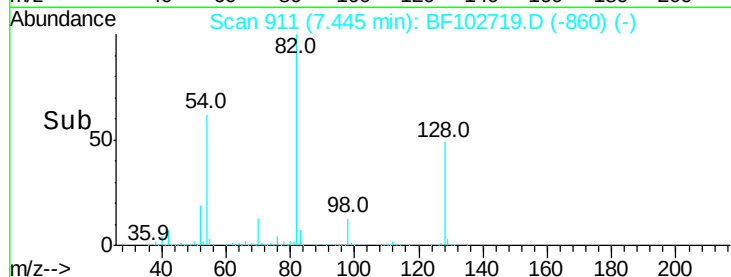
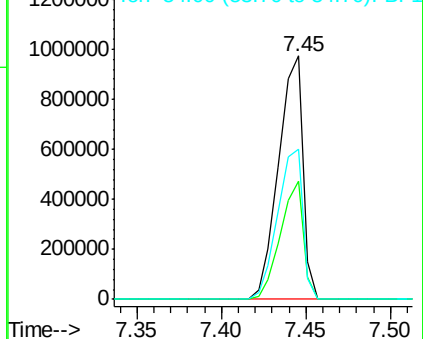
54 61.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 39.651 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

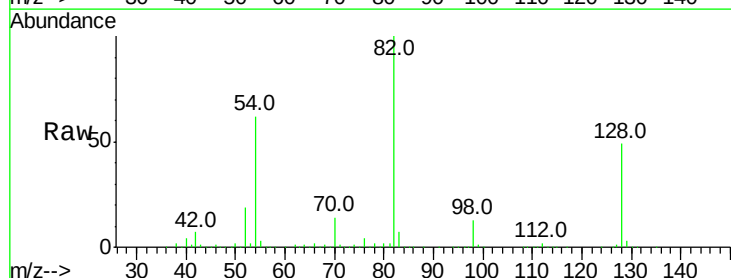
Tgt Ion: 82 Resp: 979775

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

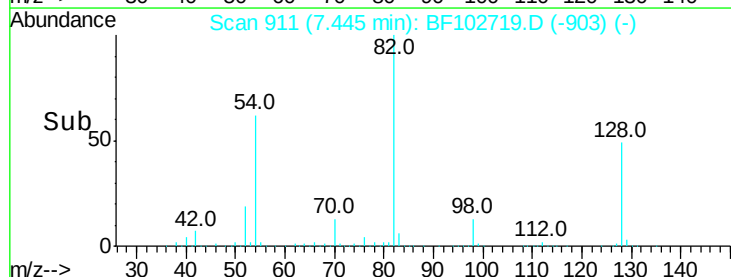
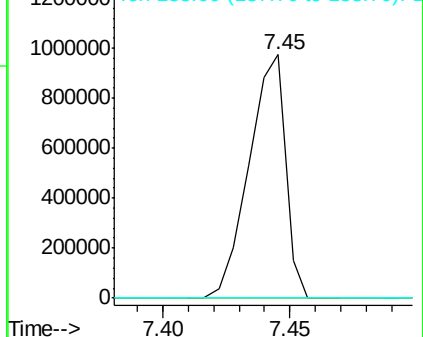
138 0.0 14.9 22.3#

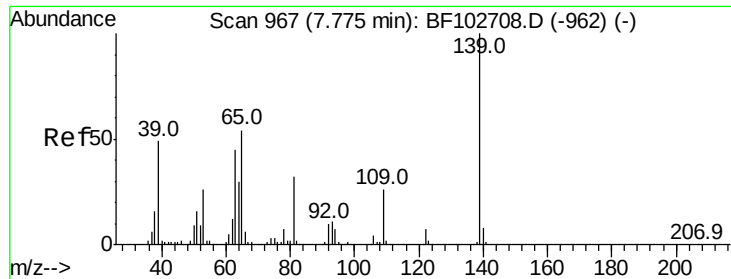


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

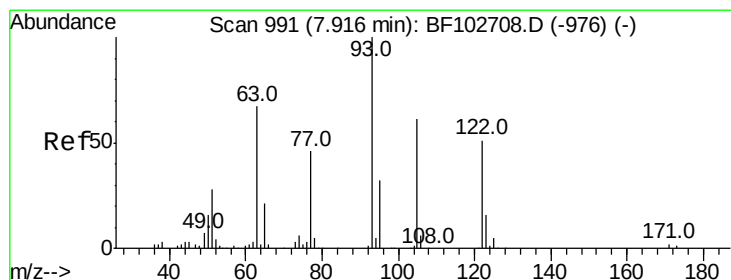
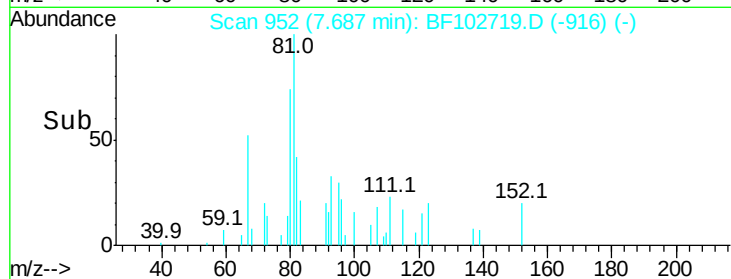
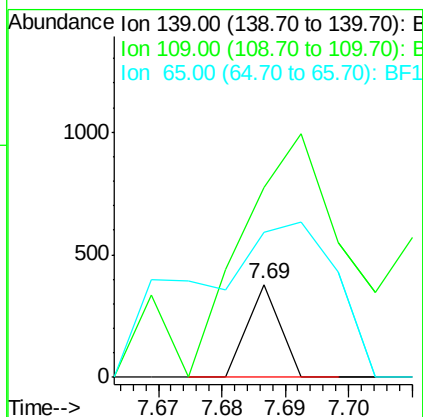
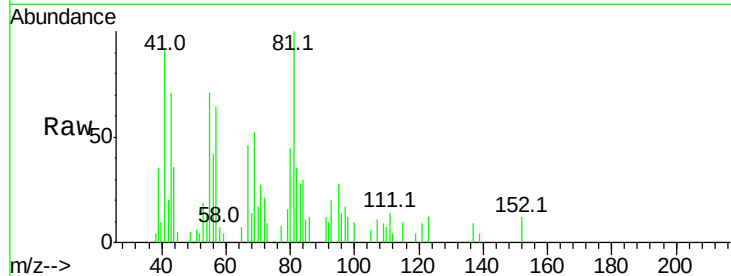




#26
2-Nitrophenol
Concen: 8.687 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.09 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

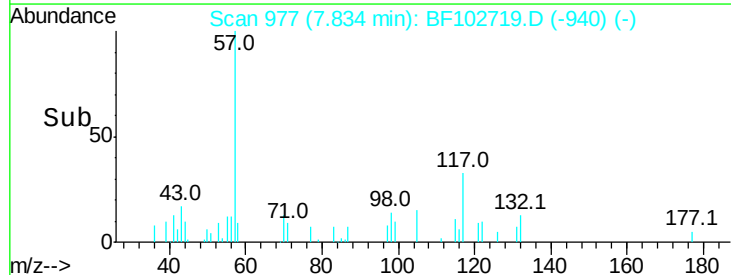
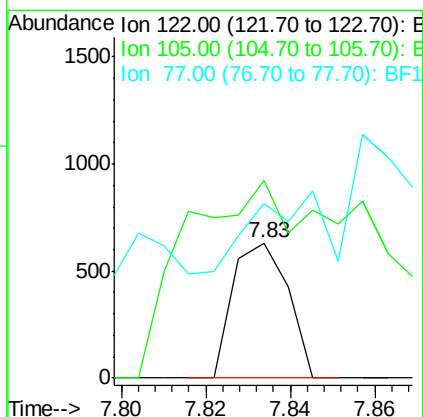
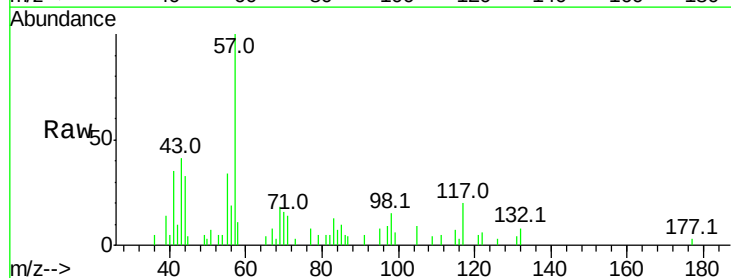
Instrument :
BNA_F
ClientSampled :

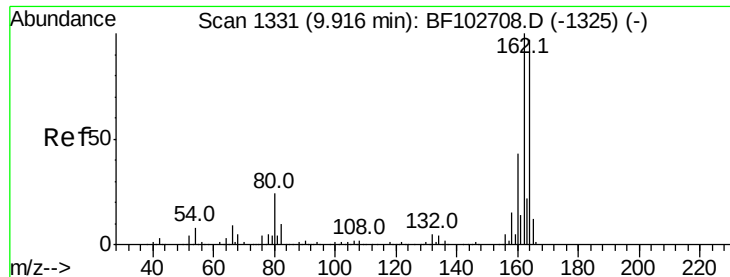
Tot Ion	Ratio	Lower	Upper
139	100		
109	204.7	22.7	34.1#
65	155.9	40.5	60.7#



#32
Benzoic acid
Concen: 8.618 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.08 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

Tgt Ion	Ratio	Lower	Upper
122	100		
105	146.4	101.1	141.1#
77	129.3	70.7	110.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

Instrument :

BNA_F

ClientSampleId :

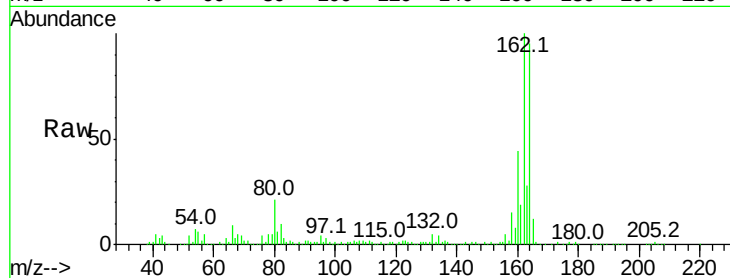
Tot Ion:164 Resp: 299670

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

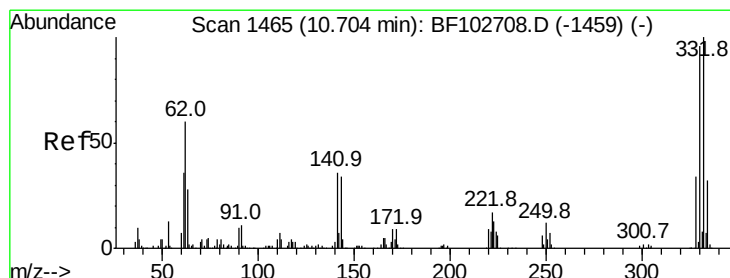
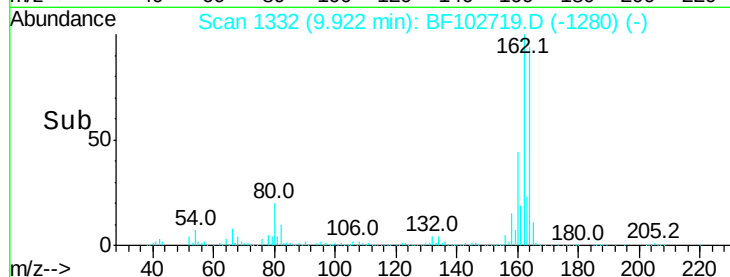
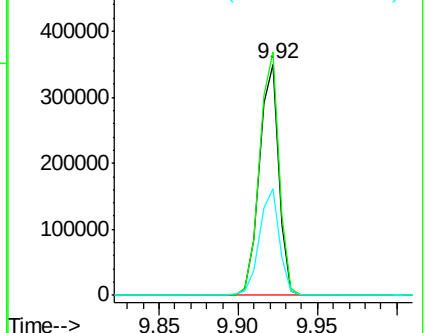
160 46.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 123.958 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

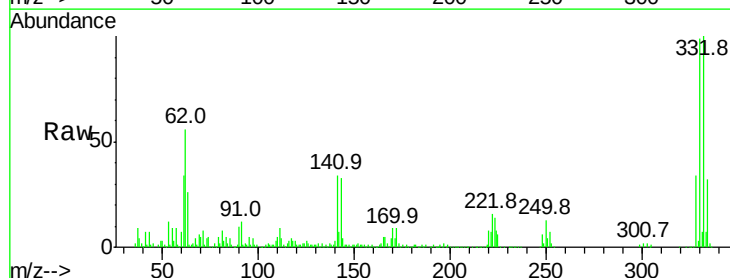
Tgt Ion:330 Resp: 298986

Ion Ratio Lower Upper

330 100

332 103.6 77.0 115.6

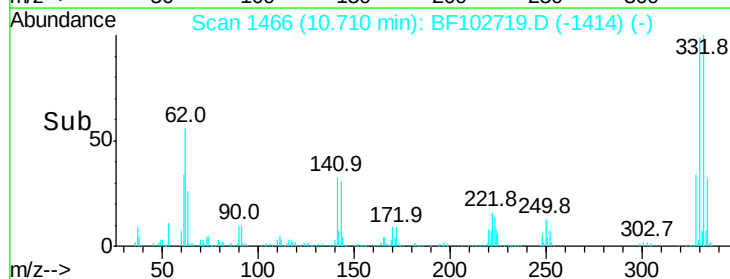
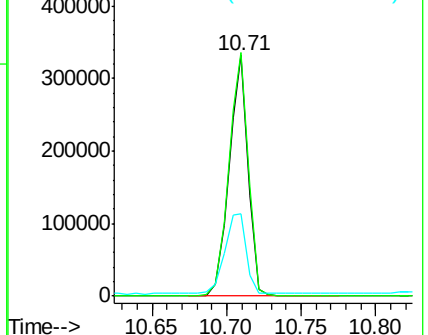
141 37.0 29.9 44.9

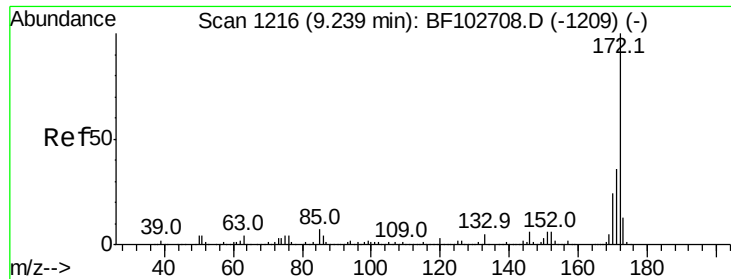


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

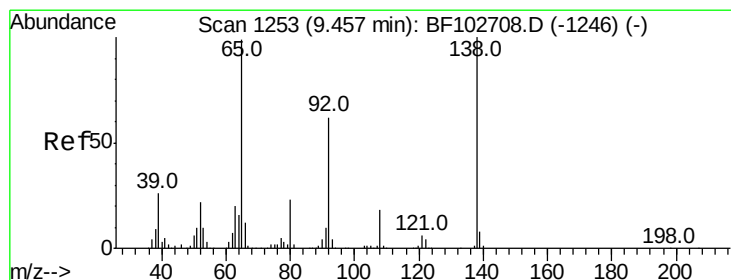
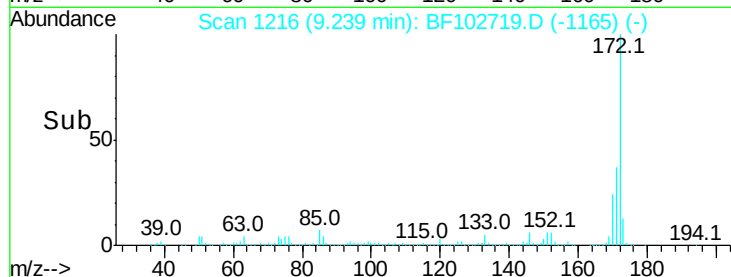
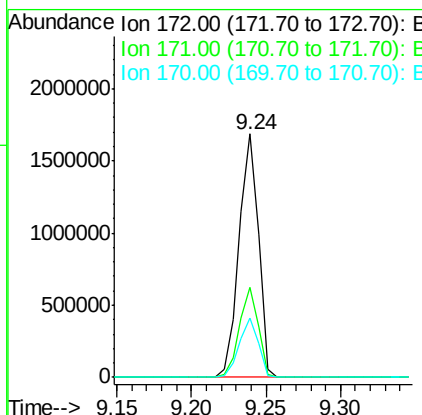
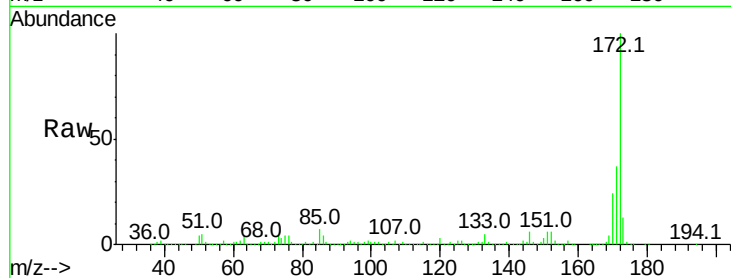




#44
2-Fluorobiphenyl
Concen: 84.938 ng
RT: 9.24 min Scan# 1216
Delta R.T. 0.00 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

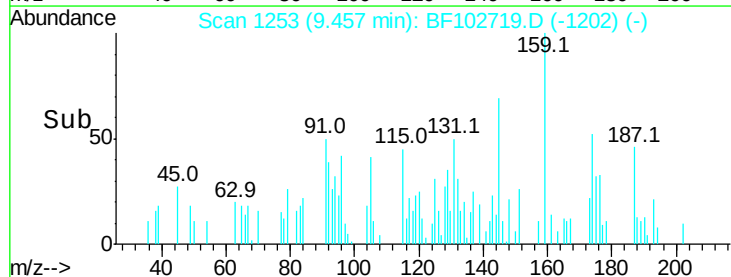
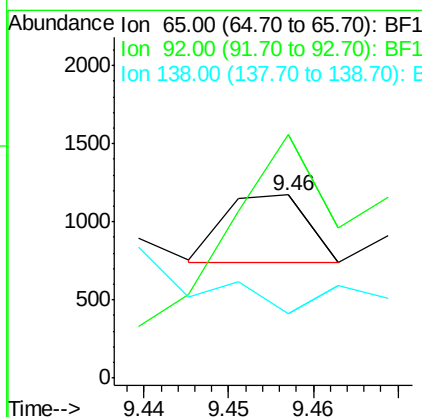
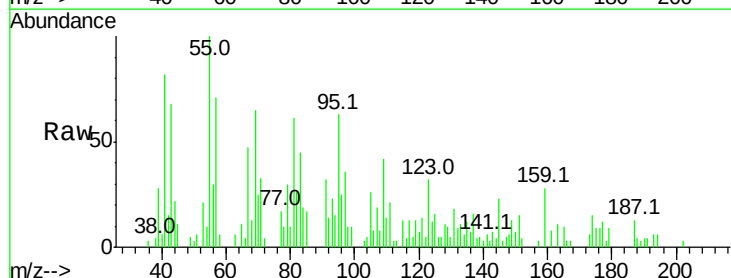
Instrument :
BNA_F
ClientSampleId :

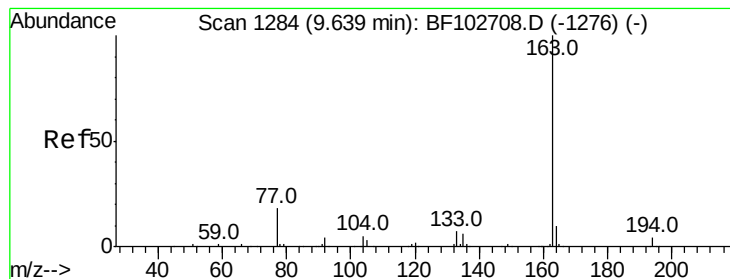
Tot Ion:172 Resp: 1533937
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.5 19.6 29.4



#47
2-Nitroaniline
Concen: 3.518 ng
RT: 9.46 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

Tgt Ion: 65 Resp: 300
Ion Ratio Lower Upper
65 100
92 133.2 55.8 83.6#
138 35.5 91.2 136.8#





#49

Dimethylphthalate

Concen: 6.433 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

Instrument :

BNA_F

ClientSampleId :

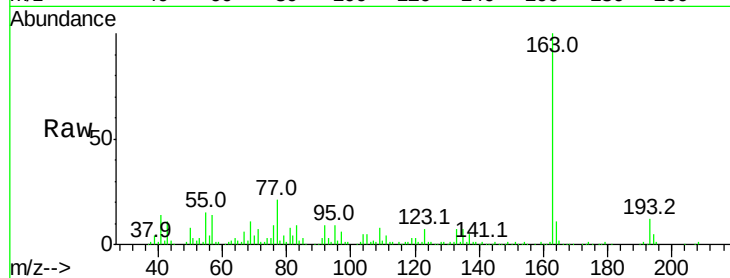
Tot Ion:163 Resp: 150312

Ion Ratio Lower Upper

163 100

194 5.3 2.7 4.1#

164 10.6 8.2 12.2

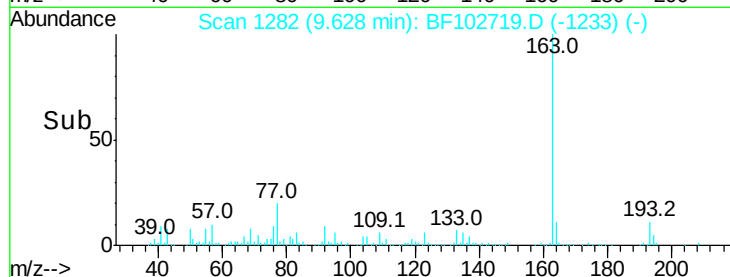


Abundance Ion 163.00 (162.70 to 163.70): E

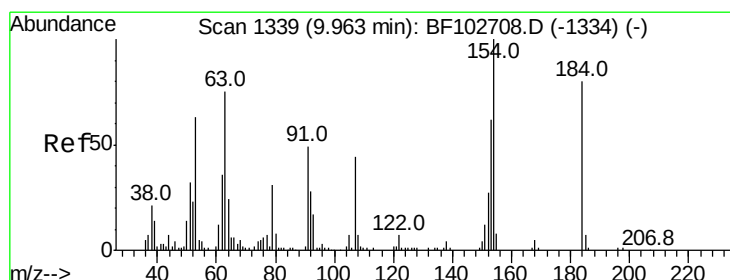
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#53

2,4-Dinitrophenol

Concen: 8.407 ng

RT: 10.17 min Scan# 1375

Delta R.T. 0.21 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

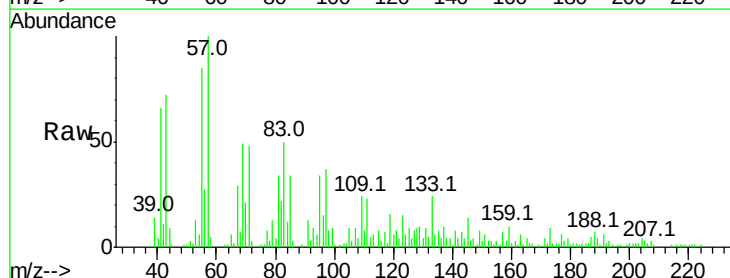
Tgt Ion:184 Resp: 377

Ion Ratio Lower Upper

184 100

63 80.5 54.2 81.2

154 55.9 184.0 276.0#

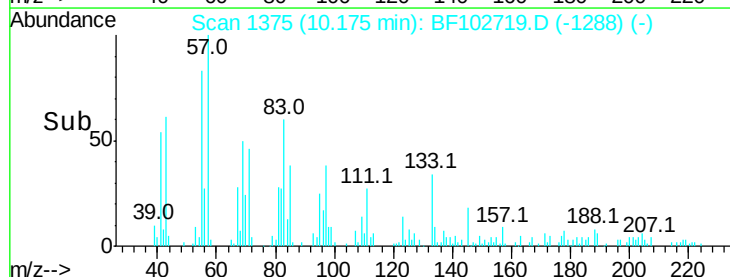


Abundance Ion 184.00 (183.70 to 184.70): E

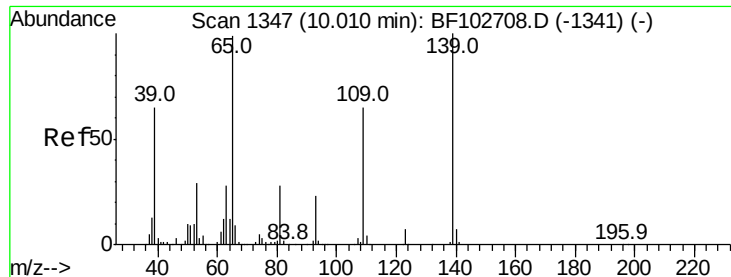
Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

Time-->



Time-->



#55

4-Nitrophenol

Concen: 4.290 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

Instrument :

BNA_F

ClientSampleId :

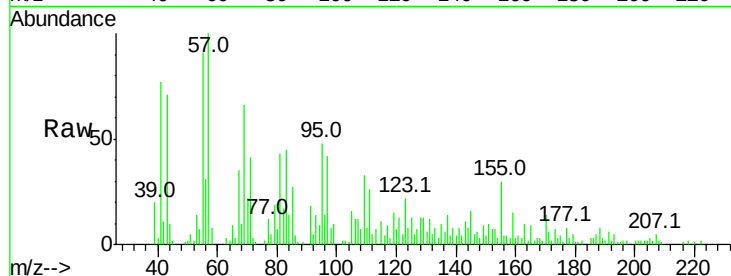
Tot Ion:139 Resp: 1258

Ion Ratio Lower Upper

139 100

109 399.9 48.4 88.4#

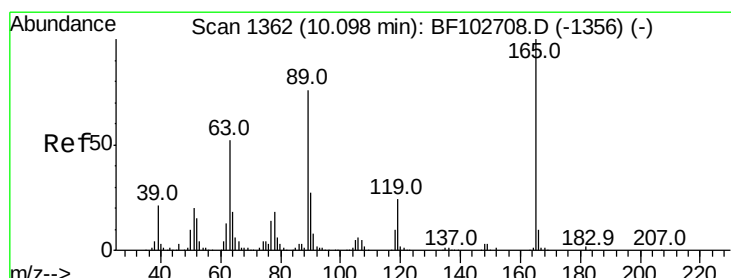
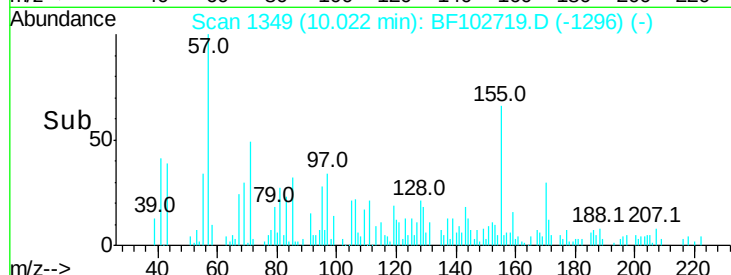
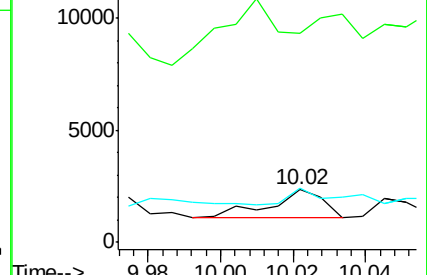
65 104.8 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 9.686 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.18 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

Tgt Ion:165 Resp: 42112

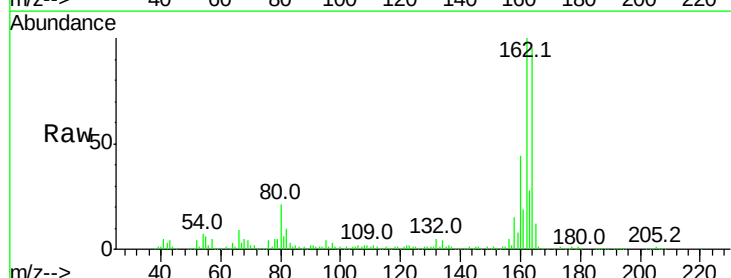
Ion Ratio Lower Upper

165 100

63 2.2 36.4 54.6#

89 2.4 57.8 86.6#

182 0.0 1.6 2.4#

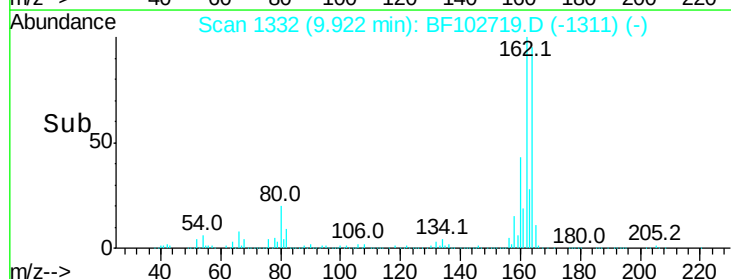
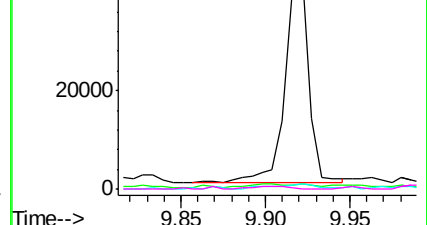


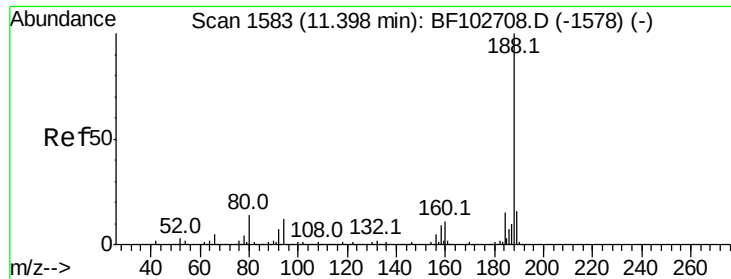
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

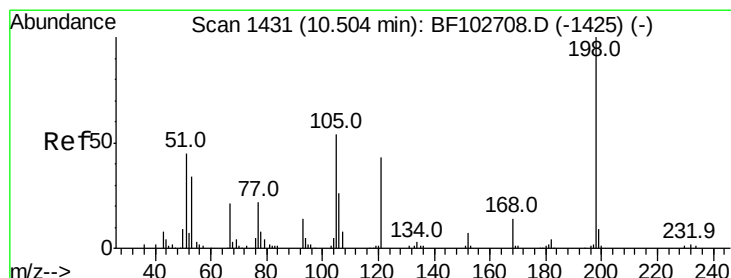
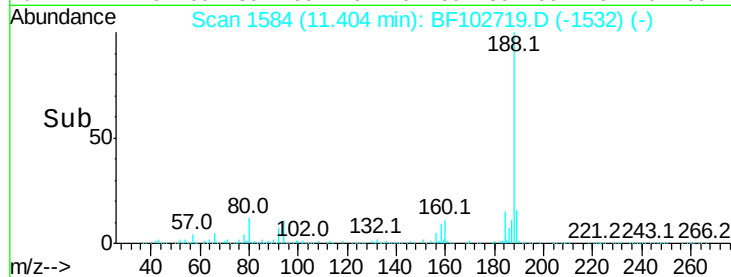
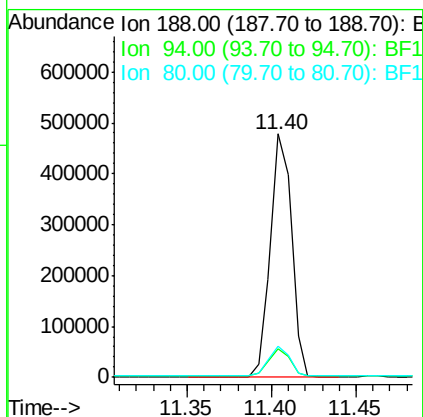
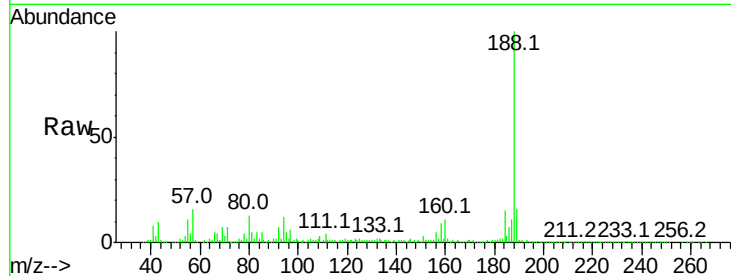




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

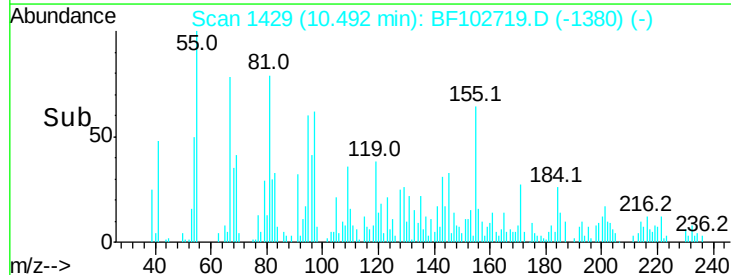
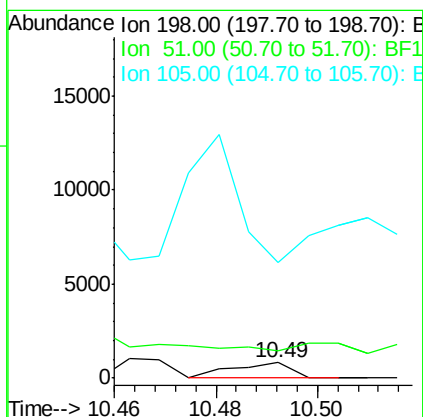
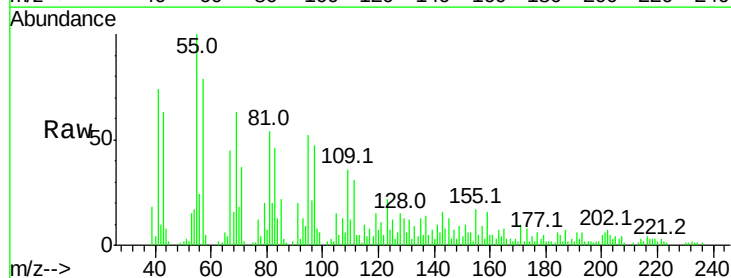
Instrument :
BNA_F
ClientSampled :

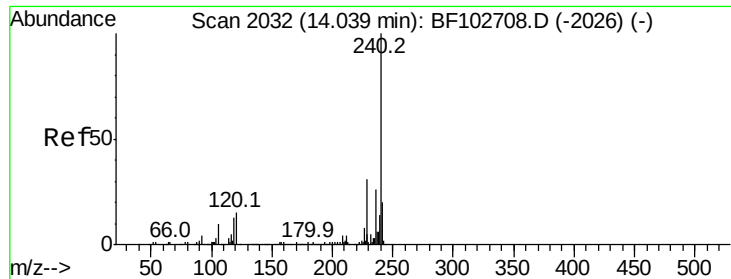
Tot Ion:188 Resp: 416663
Ion Ratio Lower Upper
188 100
94 11.9 8.5 12.7
80 13.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.151 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

Tgt Ion:198 Resp: 673
Ion Ratio Lower Upper
198 100
51 176.0 37.7 77.7#
105 753.0 36.3 76.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

Instrument :

BNA_F

ClientSampleId :

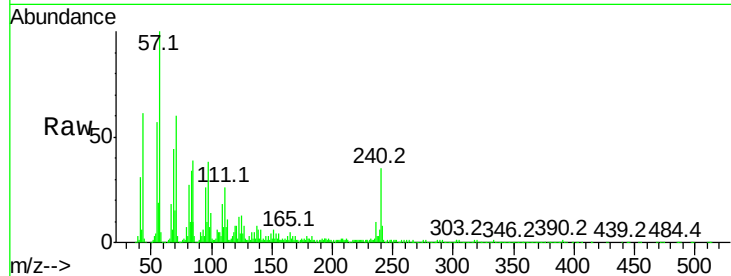
Tot Ion:240 Resp: 188935

Ion Ratio Lower Upper

240 100

120 21.6 9.5 14.3#

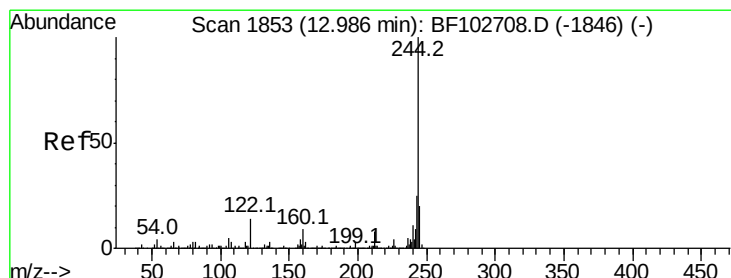
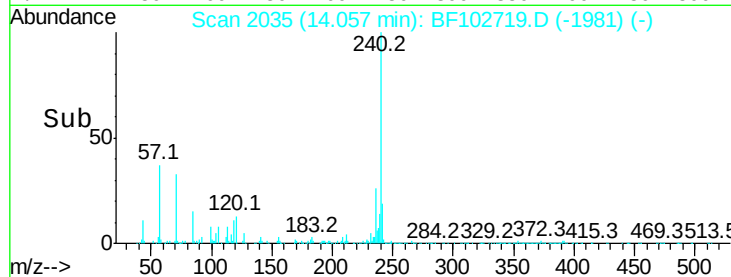
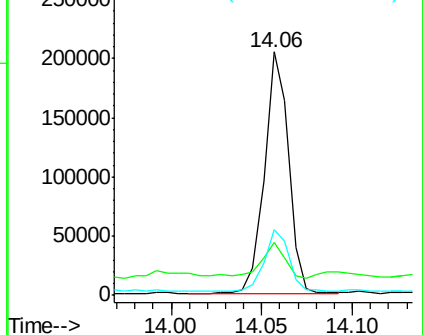
236 27.2 20.7 31.1



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



#78

Terphenyl-d14

Concen: 93.020 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF102719.D

Acq: 3 Feb 2018 16:15

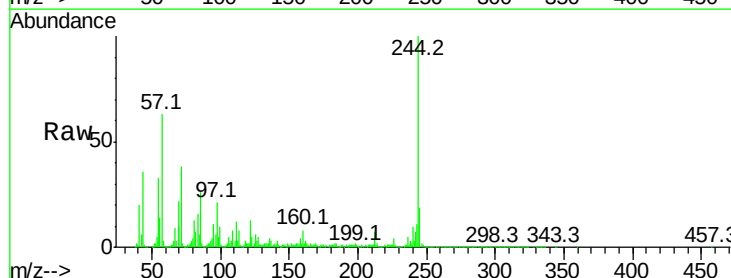
Tgt Ion:244 Resp: 742246

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

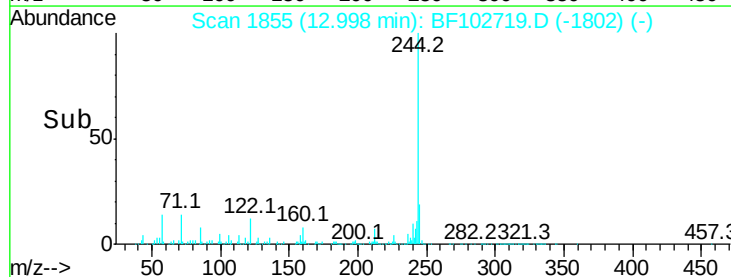
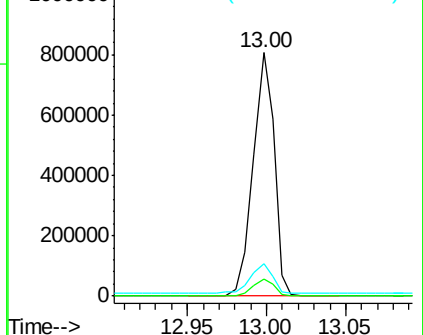
122 13.4 11.0 16.4

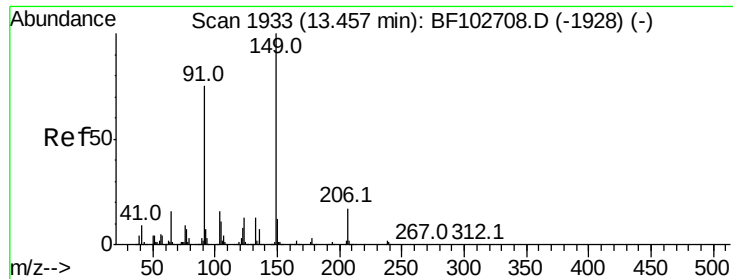


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

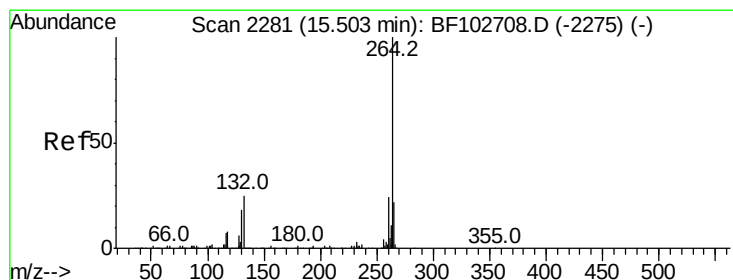
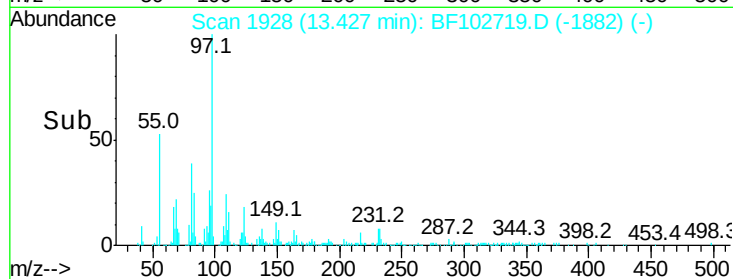
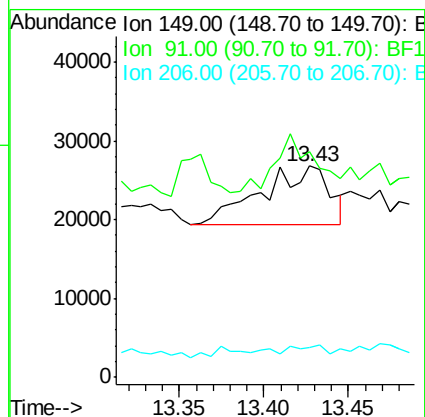
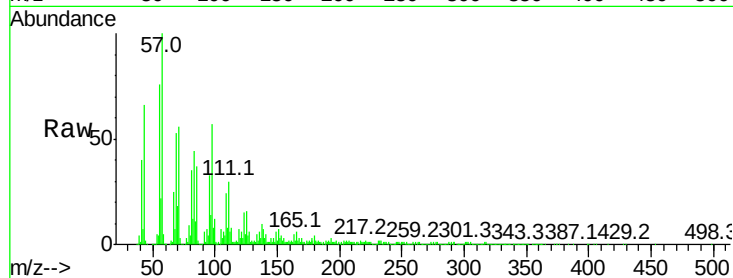




#79
Butylbenzylphthalate
Concen: 3.824 ng
RT: 13.43 min Scan# 1928
Delta R.T. -0.03 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 20267
Ion Ratio Lower Upper
149 100
91 106.5 56.8 85.2#
206 13.9 14.1 21.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.05 min
Lab File: BF102719.D
Acq: 3 Feb 2018 16:15

Tgt Ion:264 Resp: 234905
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.8 17.5 26.3

