

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103088.D
 Acq On : 19 Feb 2018 17:51
 Operator : SJ/JU
 Sample : J1392-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 00:15:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

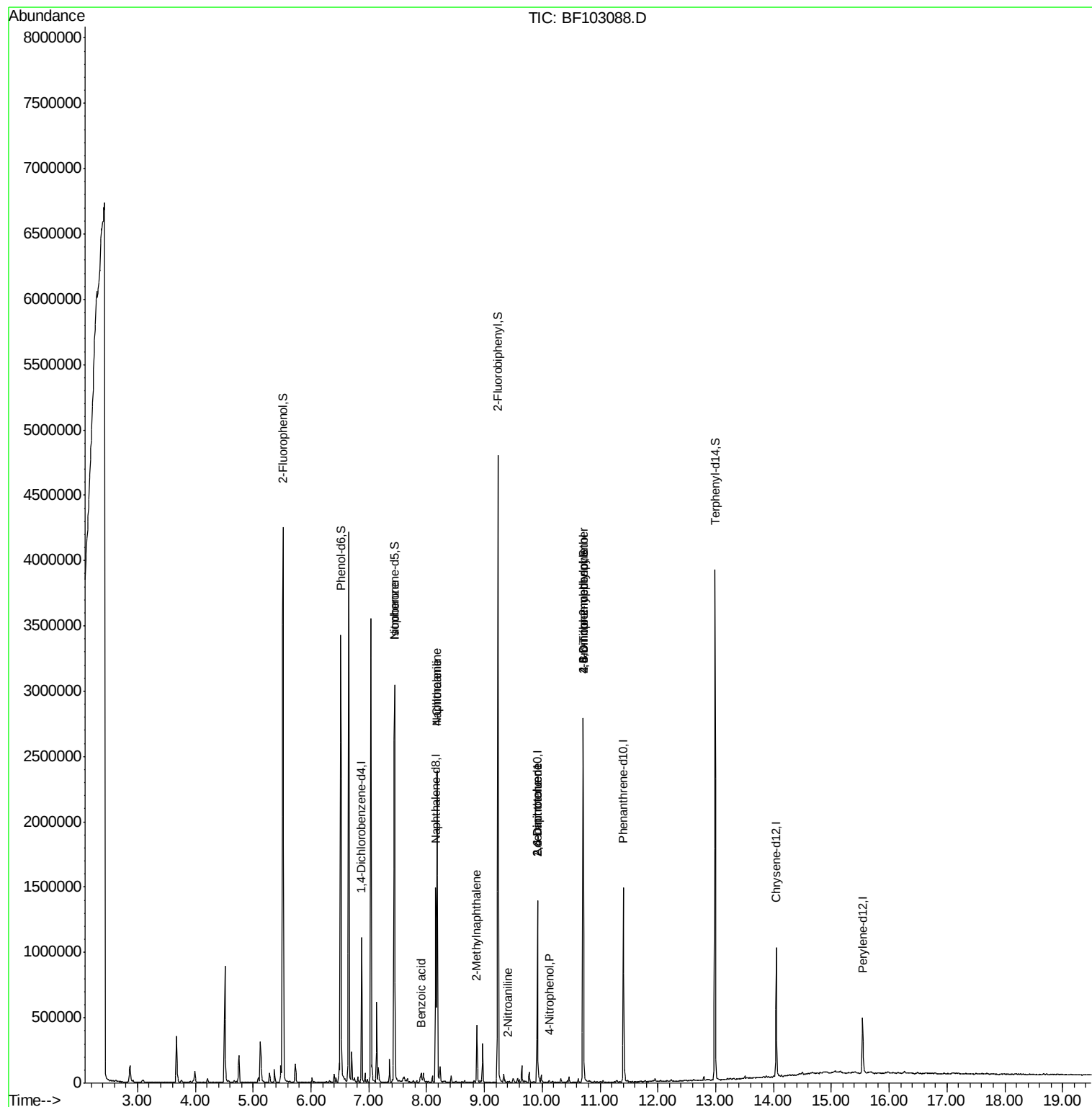
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	165232	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	688289	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	257227	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	525535	20.00	ng	0.00
75) Chrysene-d12	14.04	240	316063	20.00	ng	-0.01
86) Perylene-d12	15.54	264	152758	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1265708	116.33	ng	0.02
7) Phenol-d6	6.52	99	1304409	99.57	ng	0.00
23) Nitrobenzene-d5	7.45	82	1055294	106.36	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	360142	173.95	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1657201	106.90	ng	0.00
78) Terphenyl-d14	12.99	244	1467469	109.93	ng	0.00
Target Compounds						
25) Isophorone	7.45	82	1055280	46.19	ng	# 64
31) Naphthalene	8.18	128	1007232	29.95	ng	# 99
32) Benzoic acid	7.90	122	2620	8.91	ng	# 49
33) 4-Chloroaniline	8.18	127	133993	9.25	ng	# 32
37) 2-Methylnaphthalene	8.87	142	120516	5.47	ng	# 98
47) 2-Nitroaniline	9.40	65	126	3.49	ng	# 2
50) 2,6-Dinitrotoluene	9.92	165	32921	8.63	ng	# 27
55) 4-Nitrophenol	10.12	139	2574	4.66	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	32921	9.10	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	497	9.00	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	23587	4.24	ng	# 1

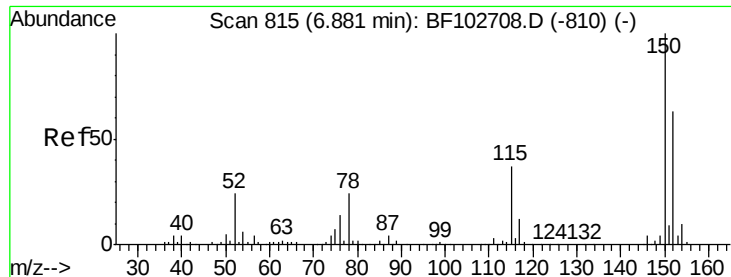
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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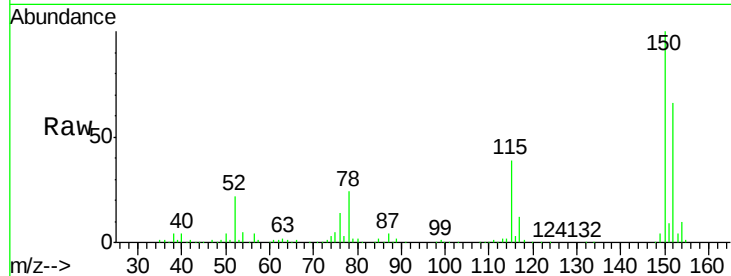


#1

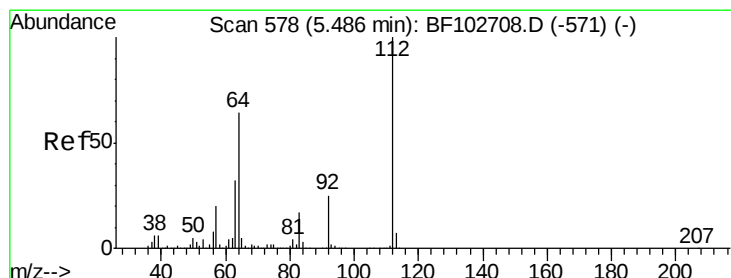
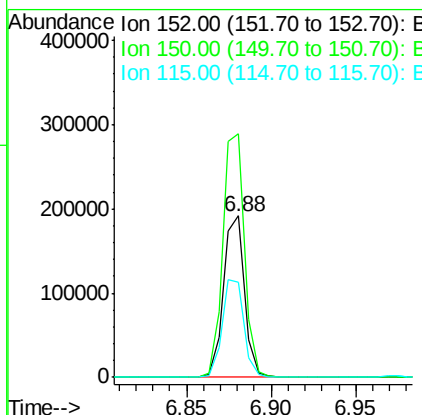
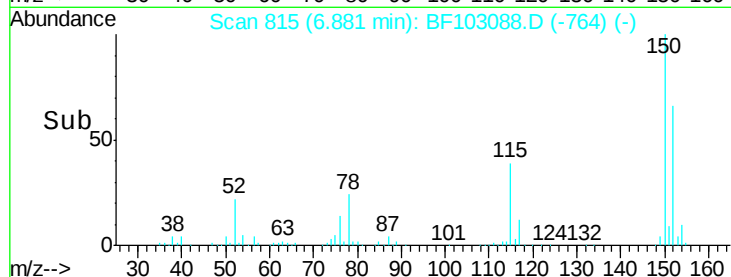
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF103088.D
Acq: 19 Feb 2018 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.6	186.8
115	59.0	50.1	75.1



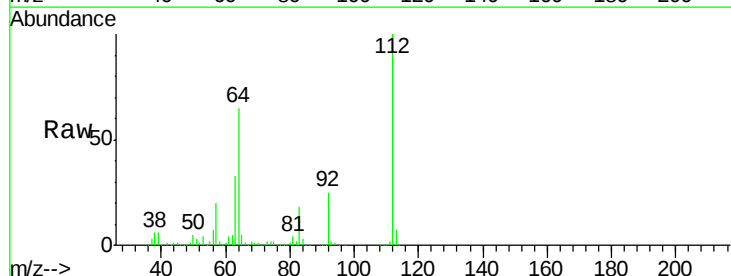
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



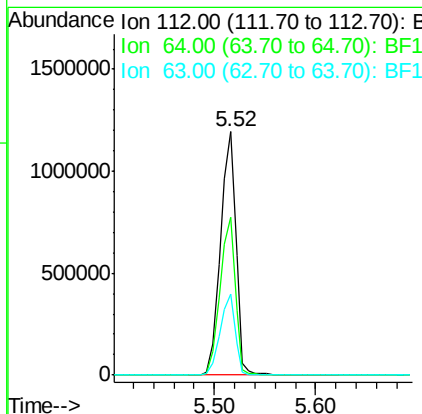
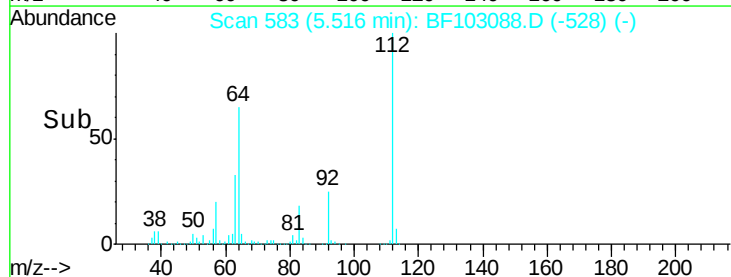
#5

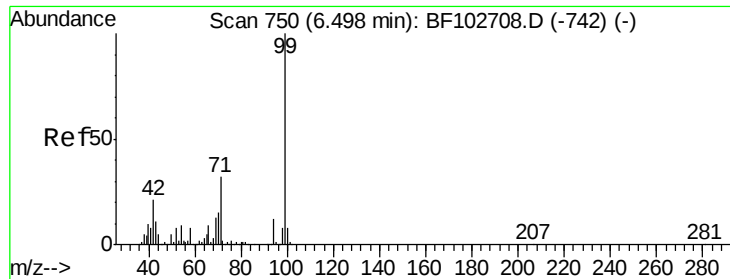
2-Fluorophenol
Concen: 116.33 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF103088.D
Acq: 19 Feb 2018 17:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	47.9	71.9
63	33.2	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: 99.57 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103088.D

Acq: 19 Feb 2018 17:51

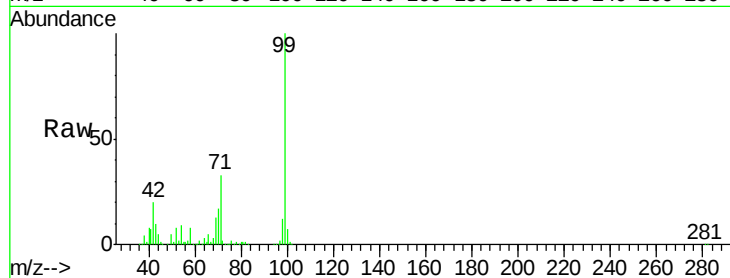
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1304409

Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.5	21.7
71	33.1	25.4	38.0

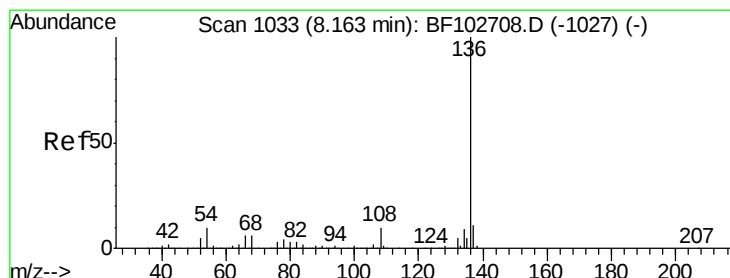
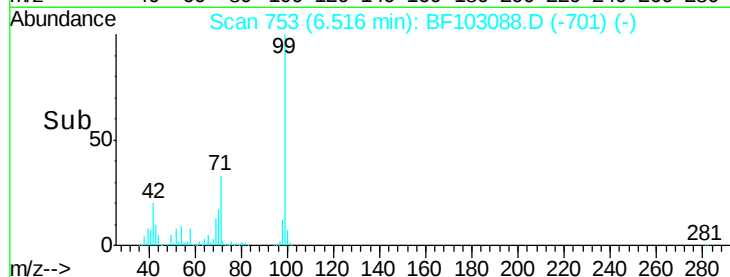


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

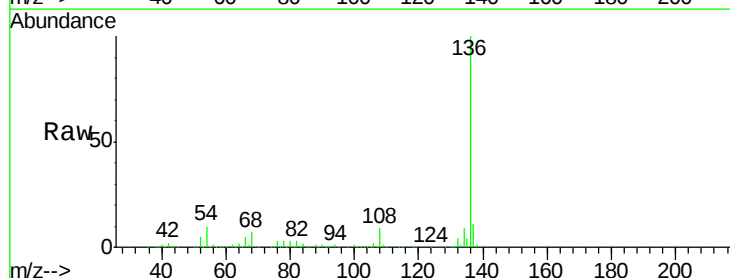
Delta R.T. -0.01 min

Lab File: BF103088.D

Acq: 19 Feb 2018 17:51

Tgt Ion: 136 Resp: 688289

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.1	6.6	9.8
68	6.6	5.0	7.4



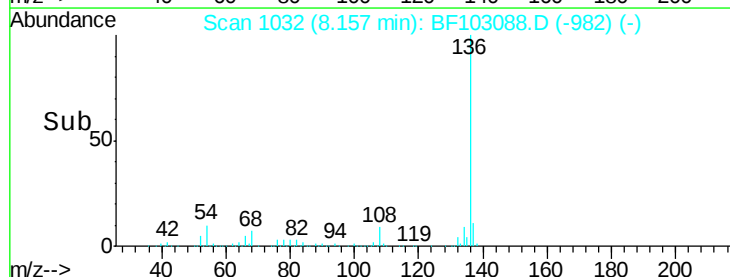
Abundance

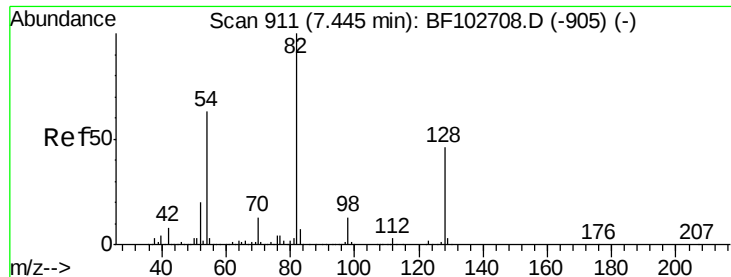
Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



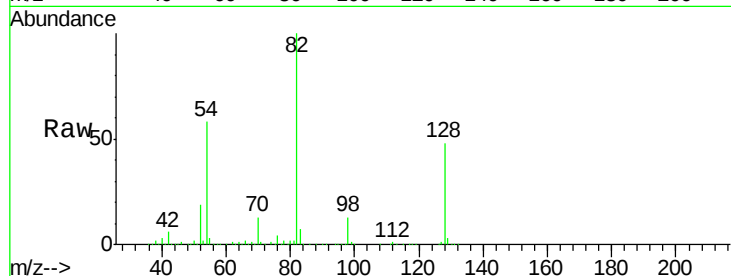


#23
 Nitrobenzene-d5
 Concen: 106.36 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

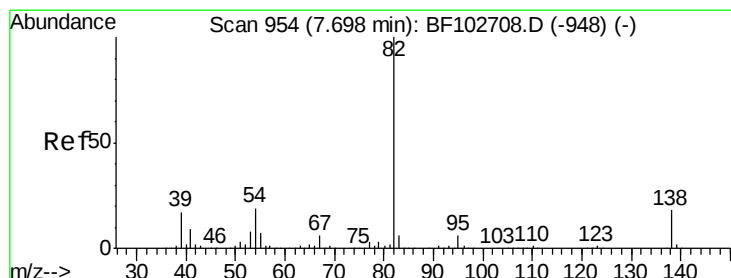
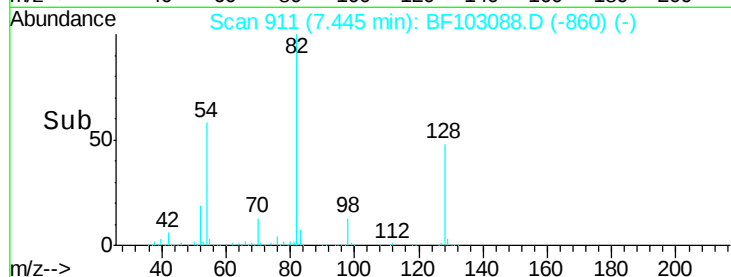
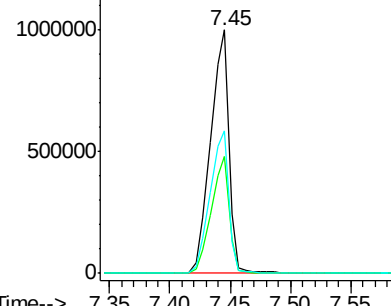
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1055294

Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.1	54.1
54	58.4	41.4	62.2



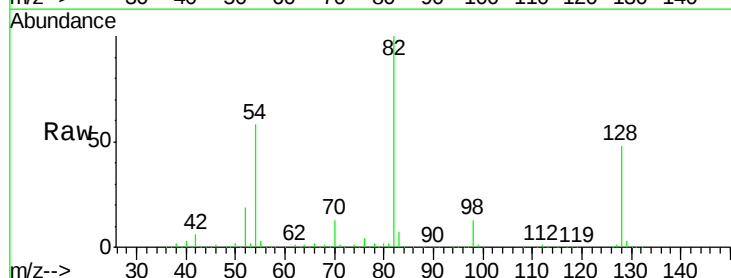
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



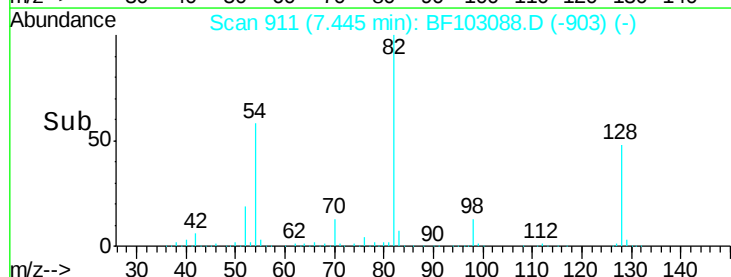
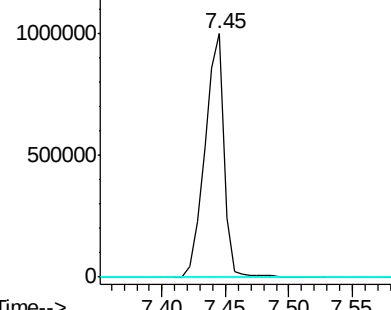
#25
 Isophorone
 Concen: 46.19 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.25 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

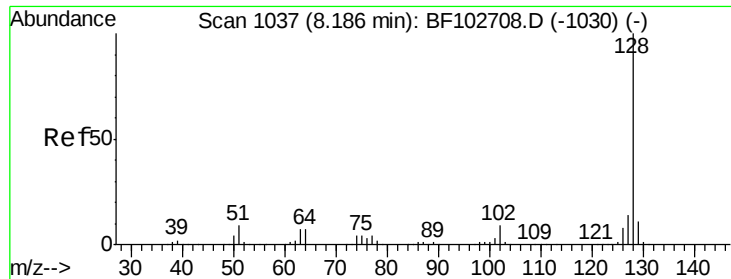
Tgt Ion: 82 Resp: 1055280

Ion	Ratio	Lower	Upper
82	100		
95	0.0	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

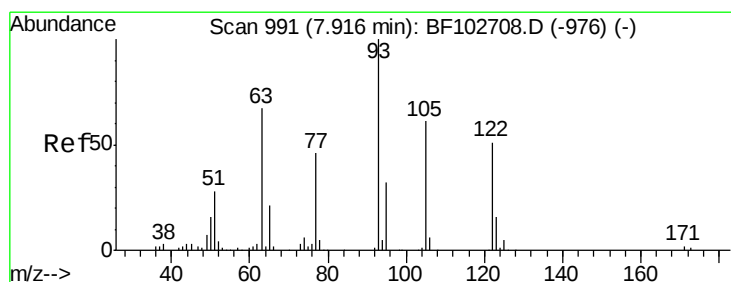
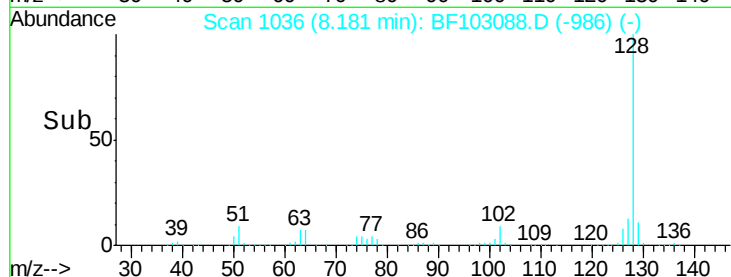
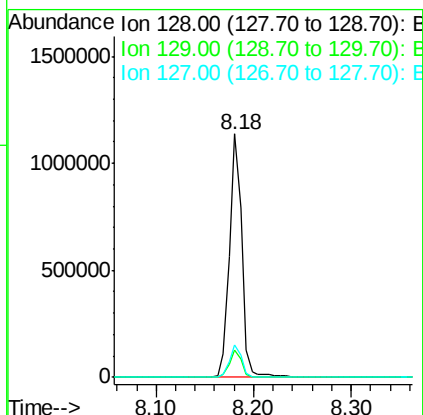
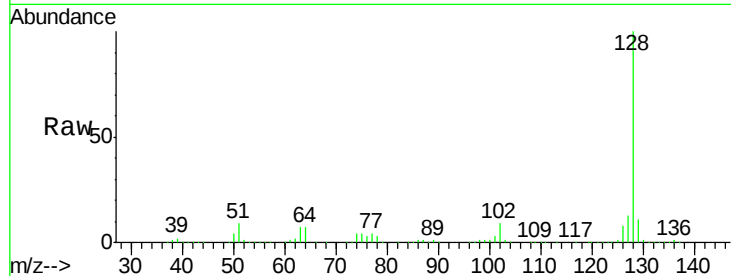




#31
Naphthalene
Concen: 29.95 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103088.D
Acq: 19 Feb 2018 17:51

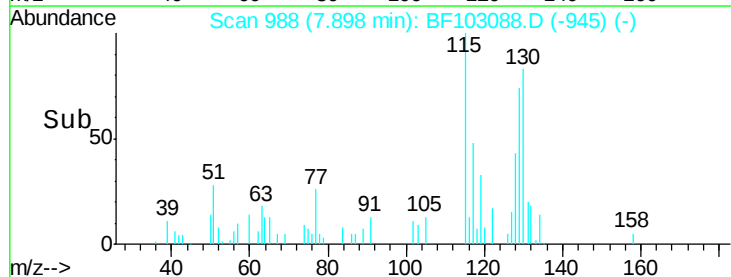
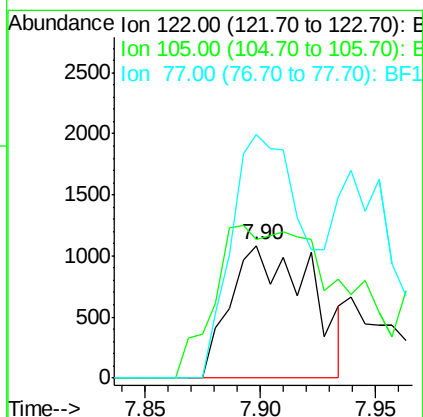
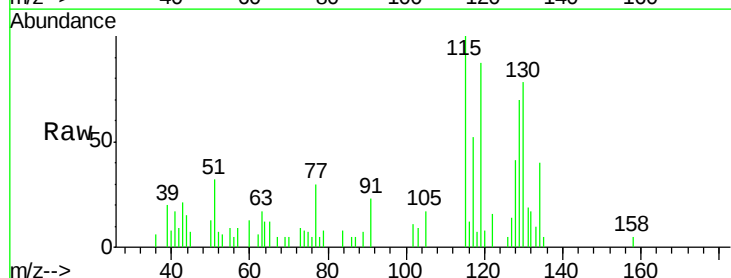
Instrument :
BNA_F
ClientSampleId :

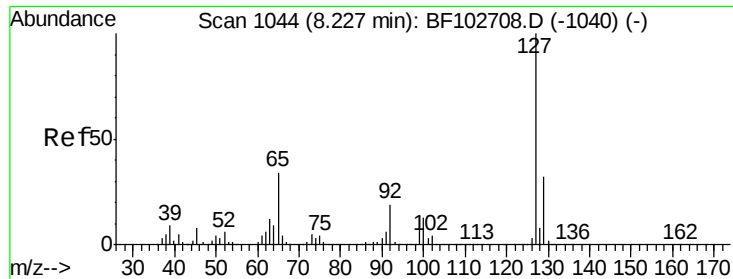
Tot Ion:128 Resp: 1007232
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.3 10.9 16.3



#32
Benzoic acid
Concen: 8.91 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.05 min
Lab File: BF103088.D
Acq: 19 Feb 2018 17:51

Tgt Ion:122 Resp: 2620
Ion Ratio Lower Upper
122 100
105 104.6 101.1 141.1
77 183.9 70.7 110.7#

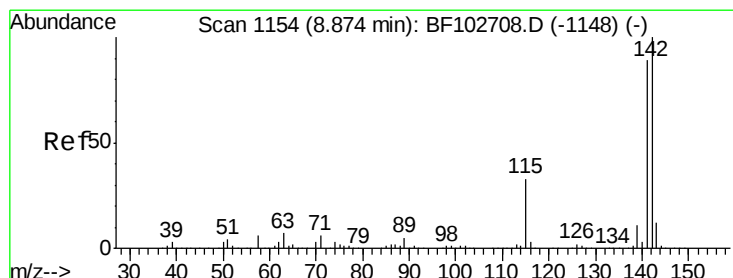
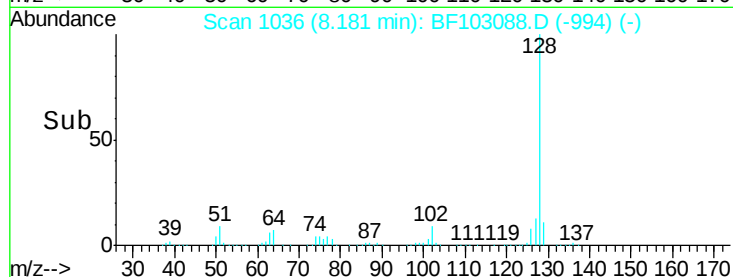
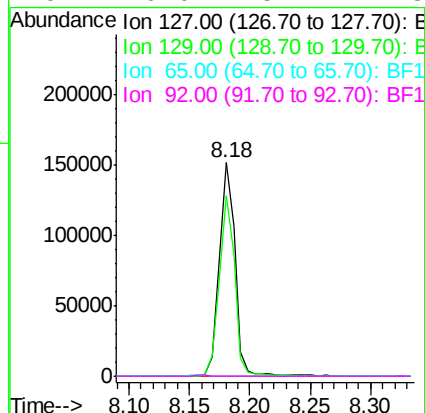
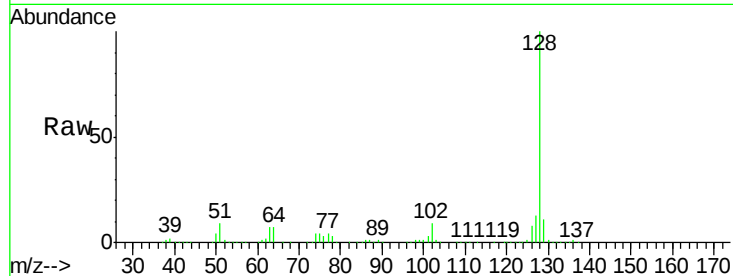




#33
4-Chloroaniline
Concen: 9.25 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF103088.D
Acq: 19 Feb 2018 17:51

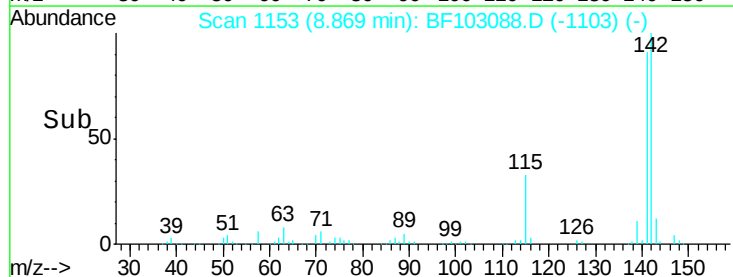
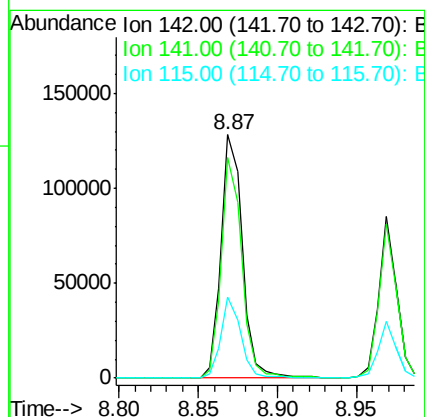
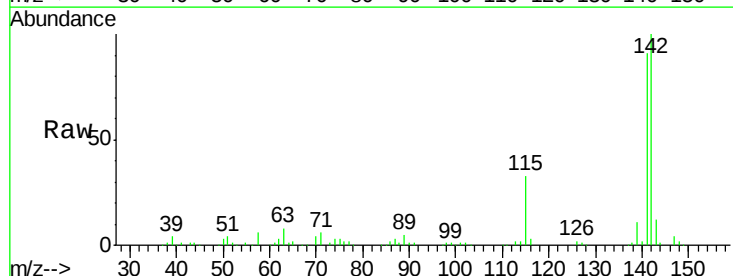
Instrument :
BNA_F
ClientSampleId :

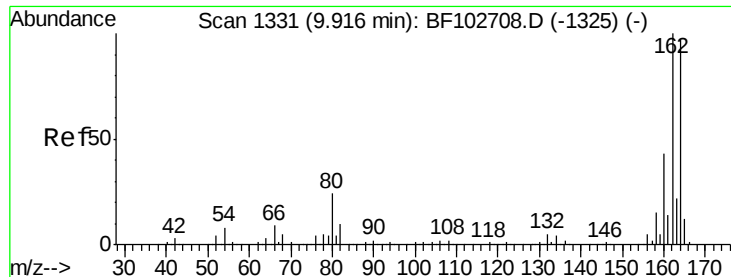
Tot Ion:	127	Resp:	133993
Ion	Ratio	Lower	Upper
127	100		
129	84.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 5.47 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103088.D
Acq: 19 Feb 2018 17:51

Tgt Ion:	142	Resp:	120516
Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.8	106.2
115	33.1	26.1	39.1

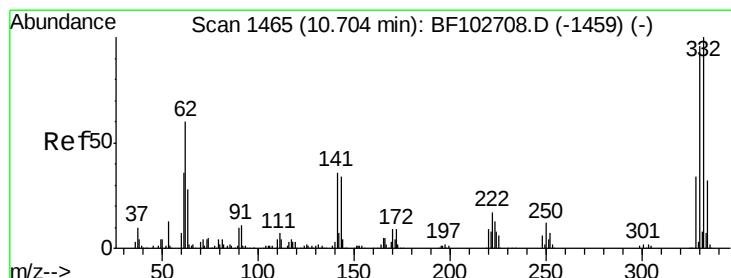
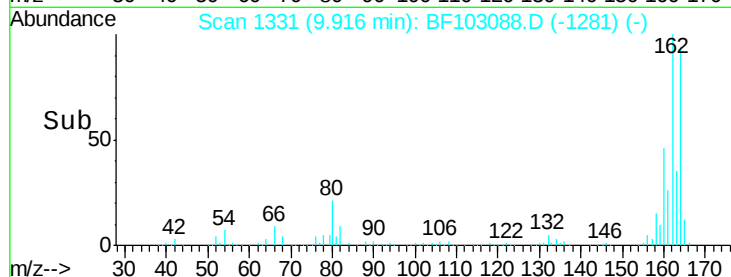
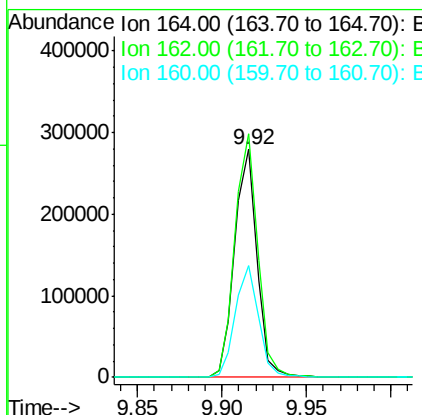
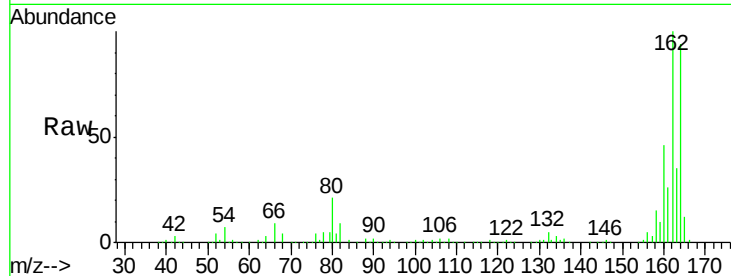




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

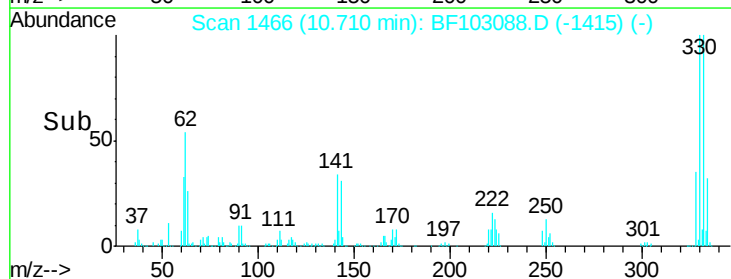
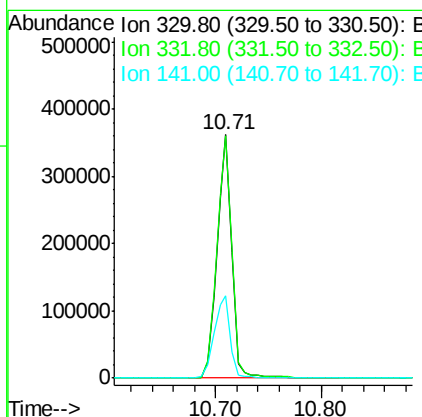
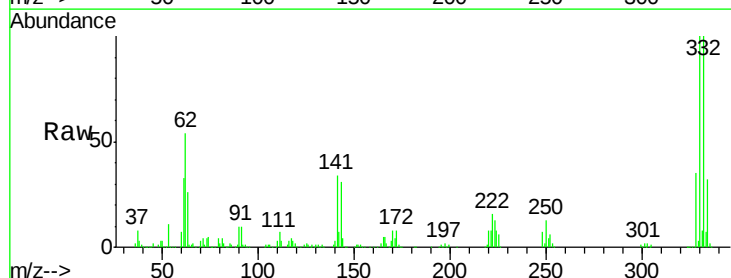
Instrument :
 BNA_F
 ClientSampleId :

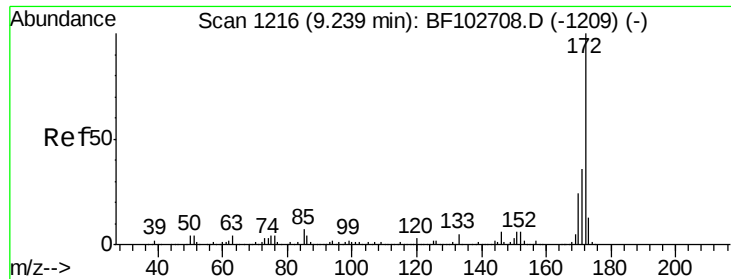
Tot Ion:164 Resp: 257227
 Ion Ratio Lower Upper
 164 100
 162 106.9 86.1 129.1
 160 49.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 173.95 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

Tgt Ion:330 Resp: 360142
 Ion Ratio Lower Upper
 330 100
 332 101.7 77.0 115.6
 141 37.0 29.9 44.9

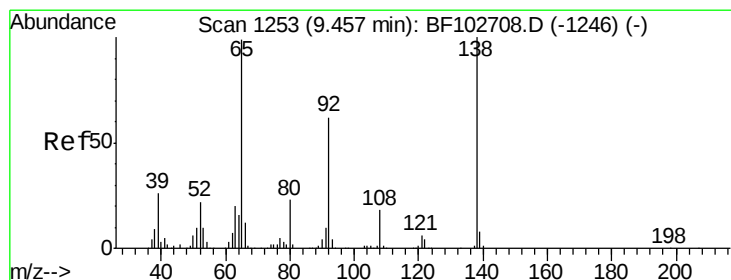
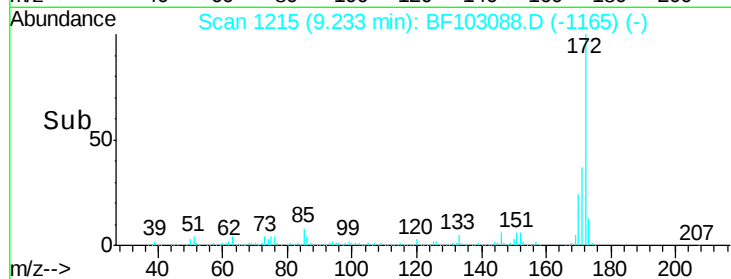
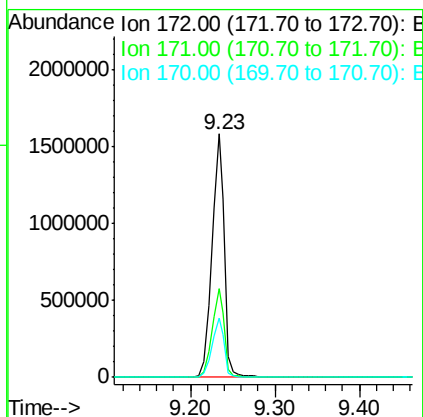
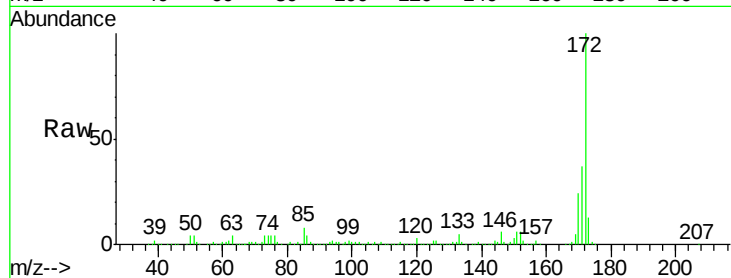




#44
 2-Fluorobiphenyl
 Concen: 106.90 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

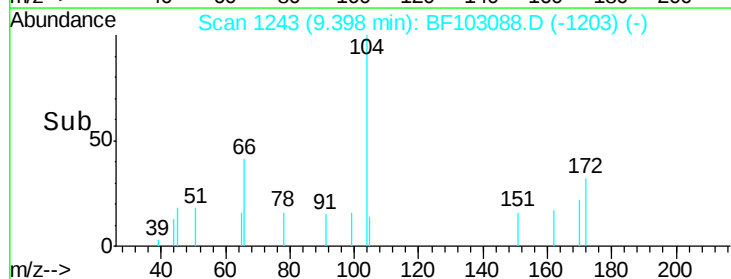
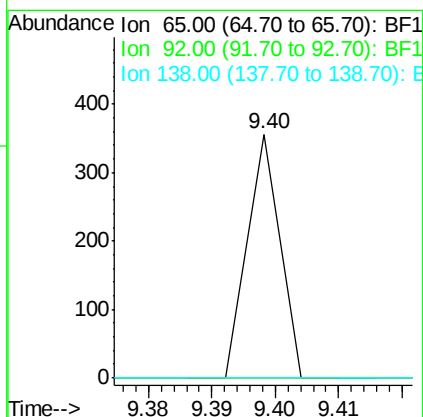
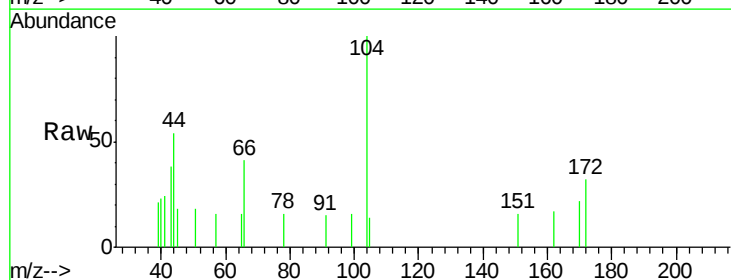
Instrument :
 BNA_F
 ClientSampleId :

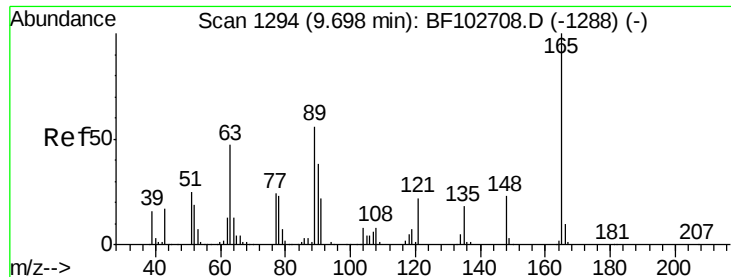
Tot Ion:172 Resp: 1657201
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.2 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.49 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. -0.06 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

Tgt Ion: 65 Resp: 126
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#

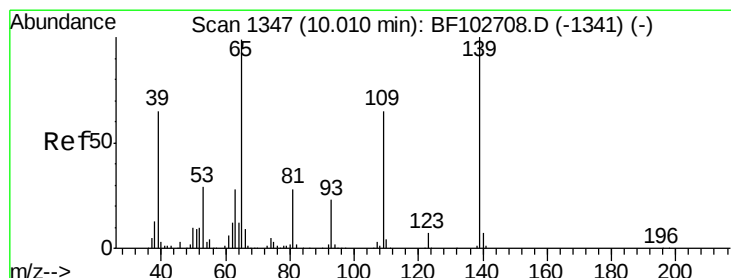
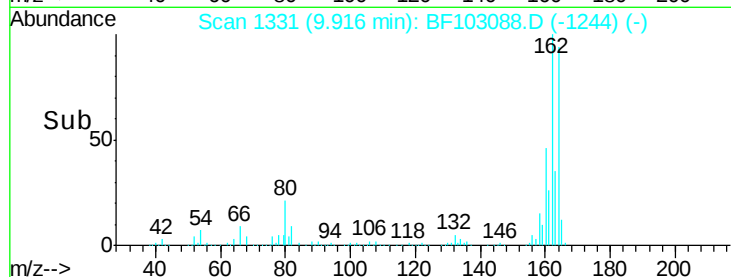
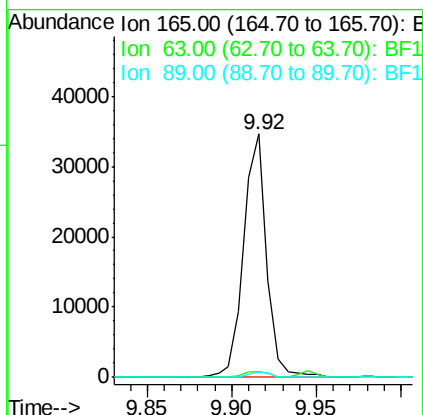
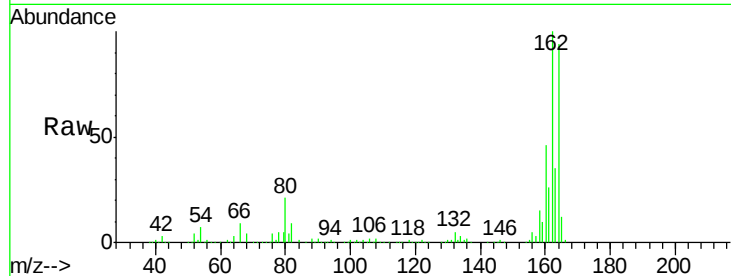




#50
 2,6-Dinitrotoluene
 Concen: 8.63 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

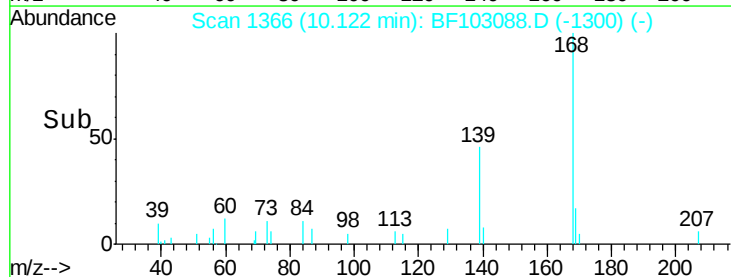
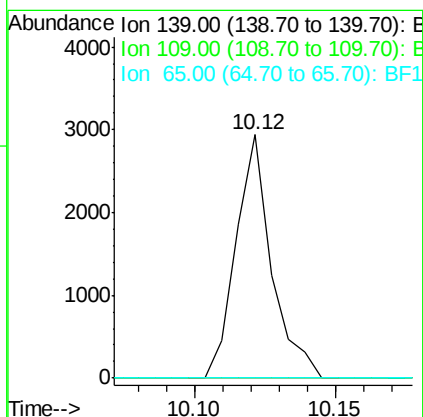
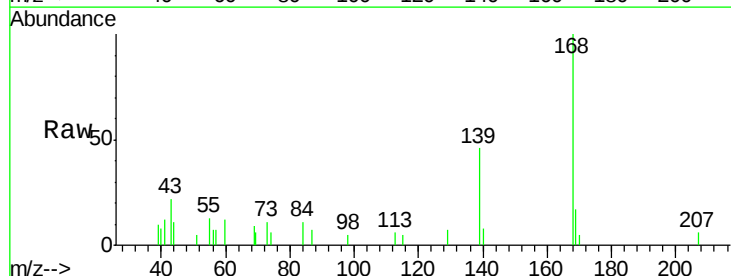
Instrument :
 BNA_F
 ClientSampleId :

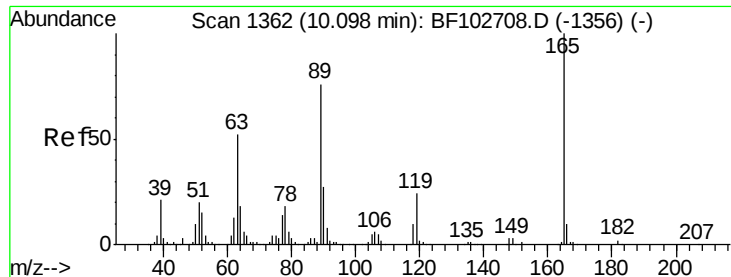
Tot Ion:165 Resp: 32921
 Ion Ratio Lower Upper
 165 100
 63 2.5 44.7 67.1#
 89 2.2 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 4.66 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.09 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

Tgt Ion:139 Resp: 2574
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#

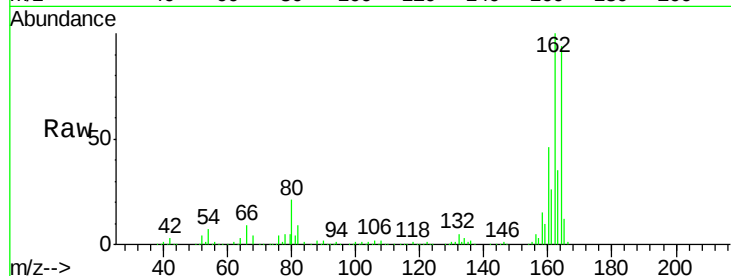




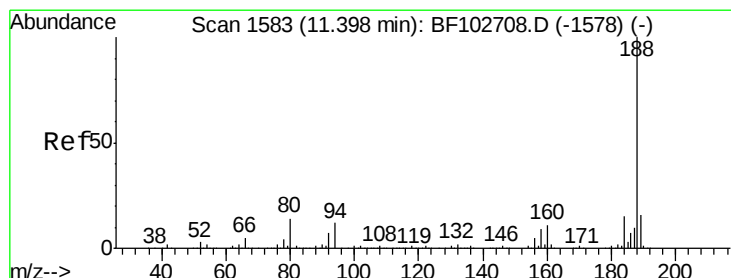
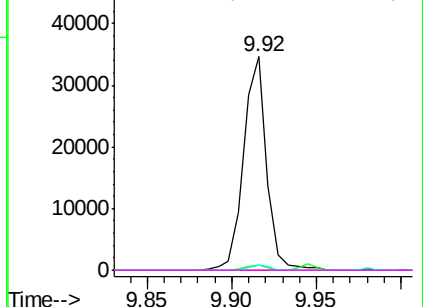
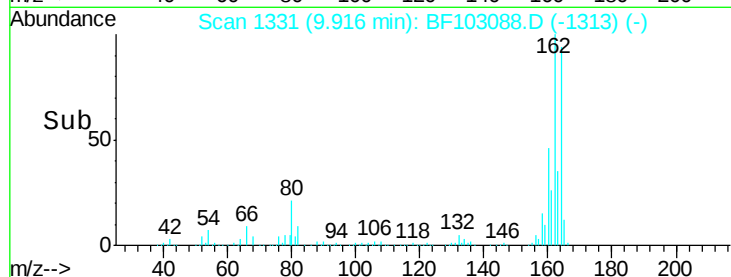
#56
 2,4-Dinitrotoluene
 Concen: 9.10 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 32921
 Ion Ratio Lower Upper
 165 100
 63 2.5 36.4 54.6#
 89 2.2 57.8 86.6#
 182 0.0 1.6 2.4#

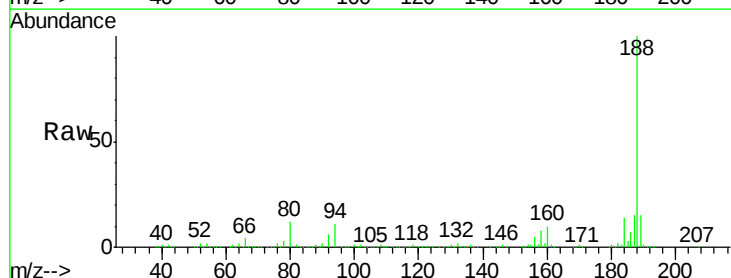


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

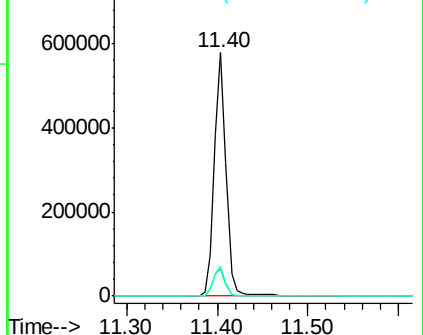
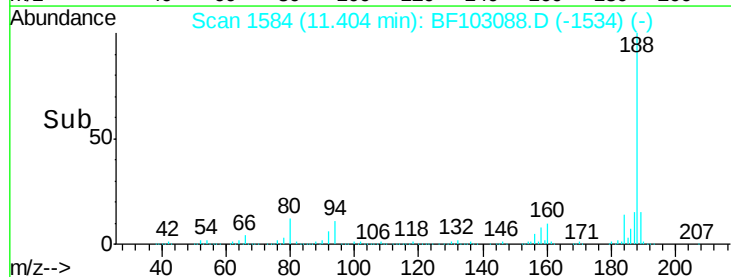


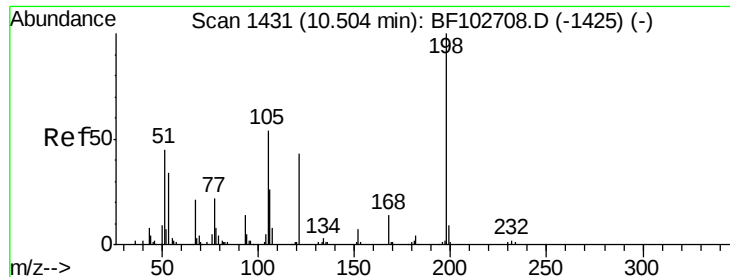
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103088.D
 Acq: 19 Feb 2018 17:51

Tgt Ion:188 Resp: 525535
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 12.0 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: 9.00 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF103088.D

Acq: 19 Feb 2018 17:51

Instrument :

BNA_F

ClientSampled :

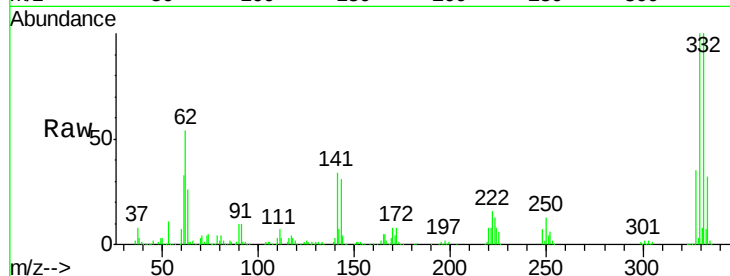
Tot Ion:198 Resp: 497

Ion Ratio Lower Upper

198 100

51 213.6 37.7 77.7#

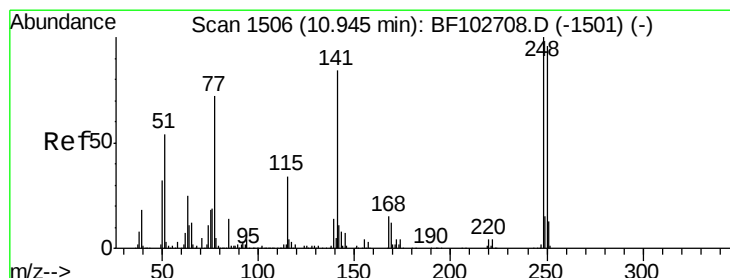
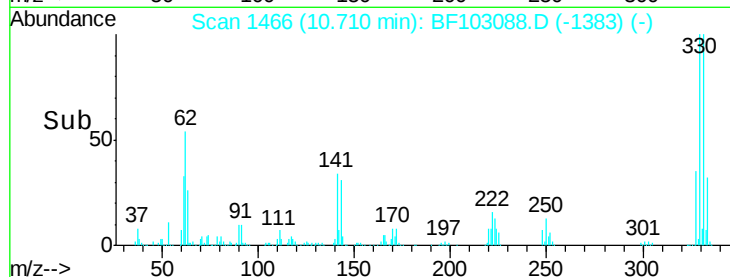
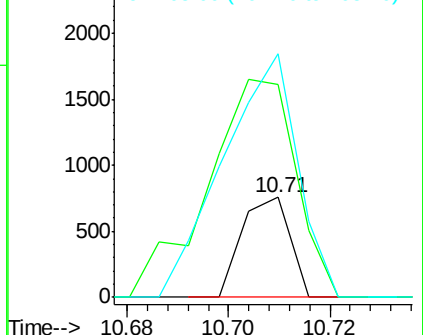
105 243.9 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 4.24 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103088.D

Acq: 19 Feb 2018 17:51

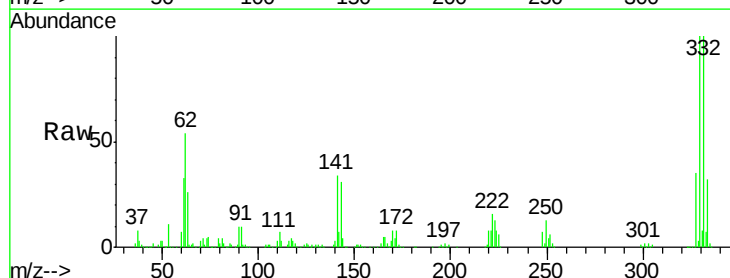
Tgt Ion:248 Resp: 23587

Ion Ratio Lower Upper

248 100

250 186.7 76.9 115.3#

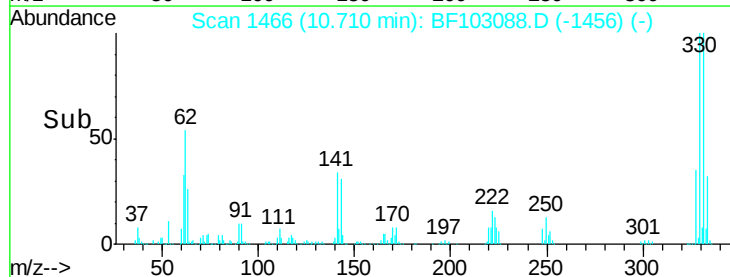
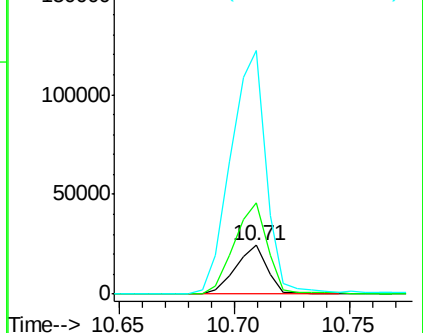
141 500.6 74.4 111.6#

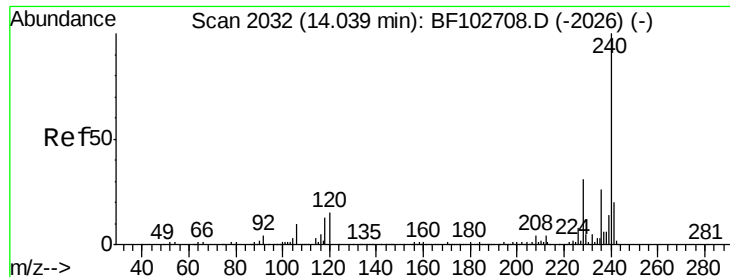


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103088.D

Acq: 19 Feb 2018 17:51

Instrument :

BNA_F

ClientSampleId :

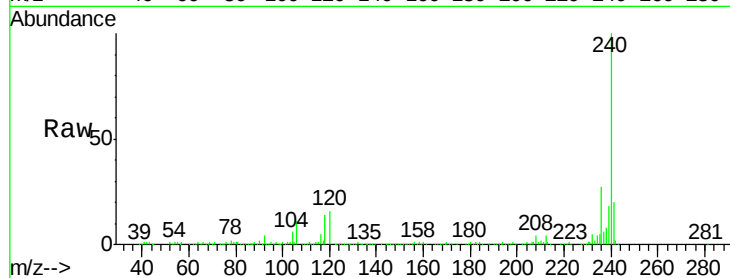
Tot Ion:240 Resp: 316063

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

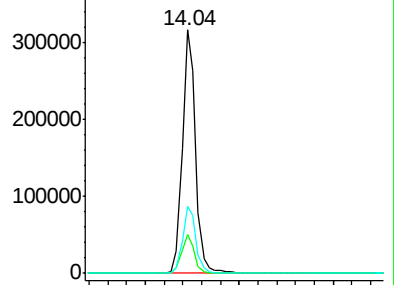
236 27.5 20.7 31.1



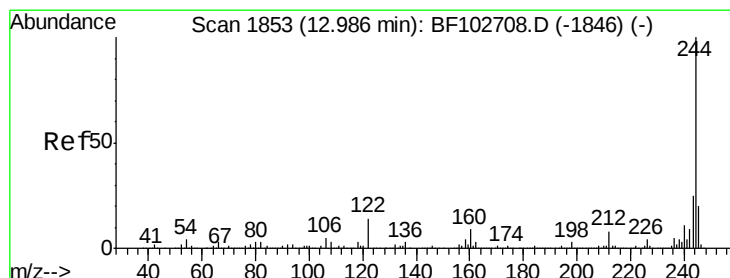
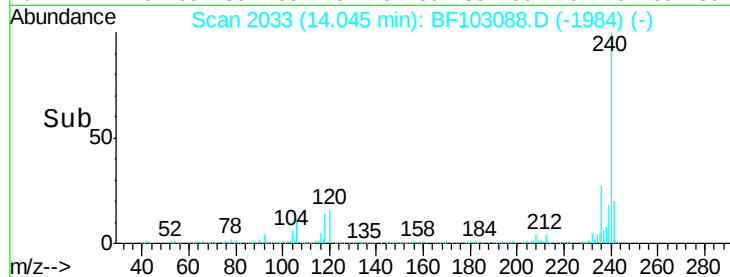
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 109.93 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103088.D

Acq: 19 Feb 2018 17:51

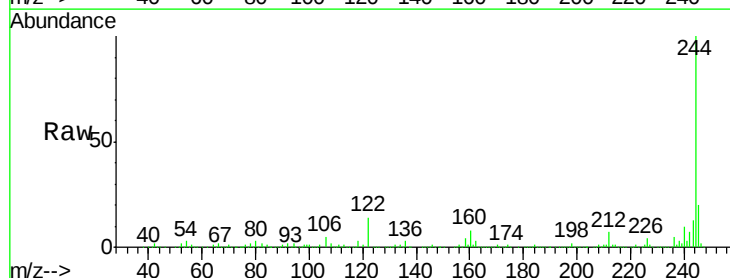
Tgt Ion:244 Resp: 1467469

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

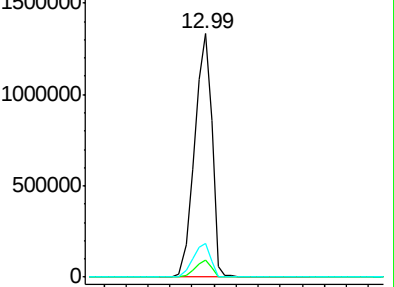
122 13.9 11.0 16.4



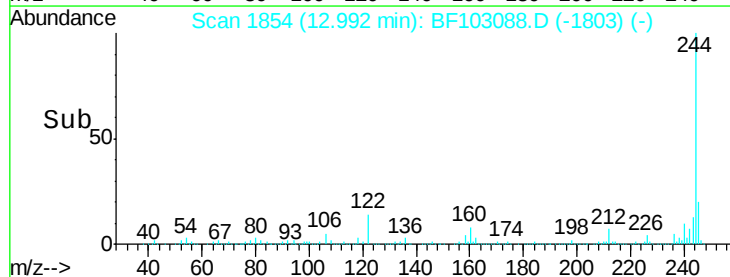
Abundance Ion 244.00 (243.70 to 244.70): E

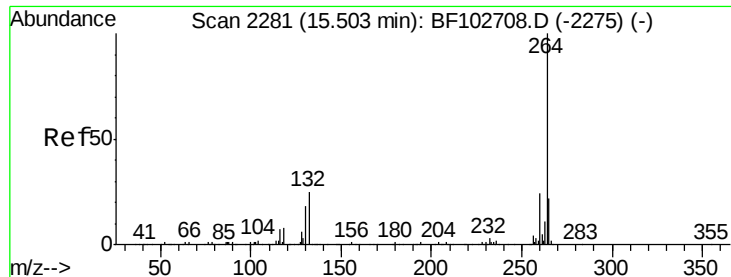
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103088.D
Acq: 19 Feb 2018 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.6	19.2	28.8
265	22.1	17.5	26.3

