

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
 Data File : BF112007.D
 Acq On : 11 Jan 2019 00:16
 Operator : JU/SJ
 Sample : K1094-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

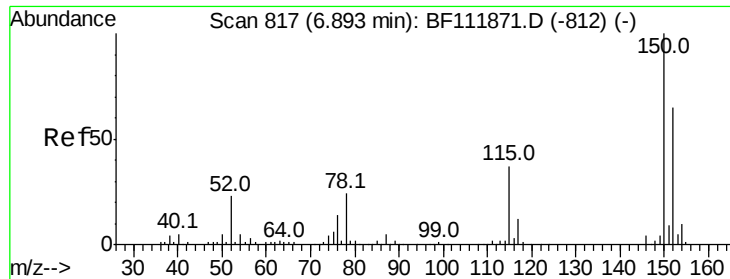
Quant Time: Jan 11 00:56:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	76085	20.00	ng	0.05
21) Naphthalene-d8	8.17	136	263678	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	161545	20.00	ng	-0.02
64) Phenanthrene-d10	11.43	188	175274	20.00	ng	0.01
76) Chrysene-d12	14.06	240	177030	20.00	ng	0.00
87) Perylene-d12	15.53	264	133915	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	111855	25.15	ng	0.07
7) Phenol-d6	6.59	99	282719	49.32	ng	0.05
23) Nitrobenzene-d5	7.48	82	246698	50.00	ng	0.02
42) 2,4,6-Tribromophenol	10.72	330	107713	51.26	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	467063	42.16	ng	-0.02
79) Terphenyl-d14	13.02	244	467810	50.16	ng	0.02

Target Compounds				Qvalue		
3) Pyridine	3.55	79	11219	2.226	ng	94
4) n-Nitrosodimethylamine	3.46	42	84470	33.684	ng	# 1
6) Aniline	6.57	93	80588	11.628	ng	# 1
9) Benzaldehyde	6.50	77	3572134	Below Cal	#	1
11) bis(2-Chloroethyl)ether	6.66	93	79801	16.557	ng	# 1
15) Benzyl Alcohol	7.03	79	1526690	336.624	ng	# 9
17) 2-Methylphenol	7.20	107	69651	17.549	ng	# 1
18) Hexachloroethane	7.46	117	585726	288.770	ng	# 1
20) 3+4-Methylphenols	7.39	107	16699	3.381	ng	# 1
22) Acetophenone	7.32	105	2907665	435.572	ng	# 50
24) Nitrobenzene	7.46	77	515289	103.248	ng	# 18
25) Isophorone	7.48	82	246698	30.879	ng	# 65
31) Naphthalene	8.19	128	68718	5.490	ng	100
50) Dimethylphthalate	9.62	163	103274	8.510	ng	# 98
51) 2,6-Dinitrotoluene	9.67	165	10665	3.930	ng	# 34
62) 4-Nitroaniline	10.33	138	5759	2.089	ng	83
69) Atrazine	11.12	200	4990	2.415	ng	# 1
70) Pentachlorophenol	11.26	266	5743	4.011	ng	# 1
74) Di-n-butylphthalate	11.99	149	25432	2.366	ng	# 22
84) Bis(2-ethylhexyl)phthalate	14.02	149	16708	2.471	ng	# 67

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

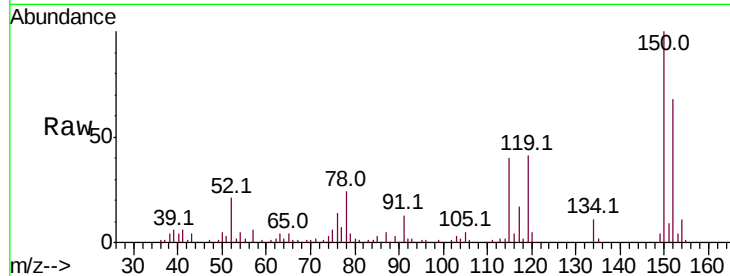


#1

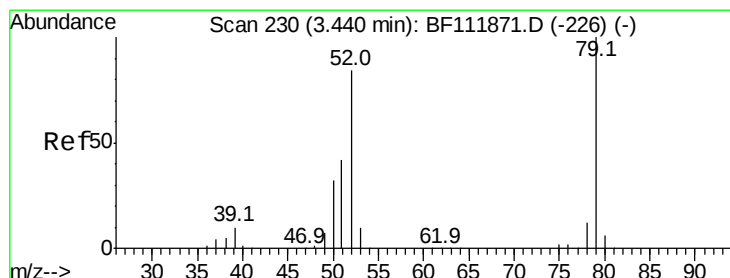
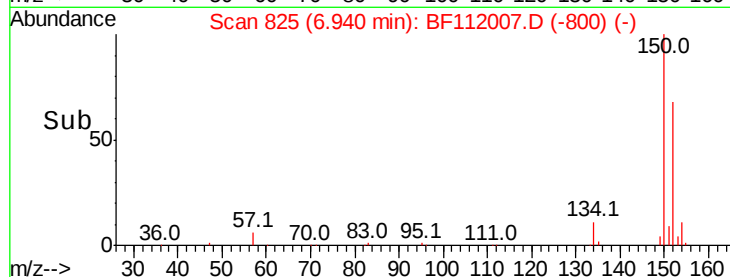
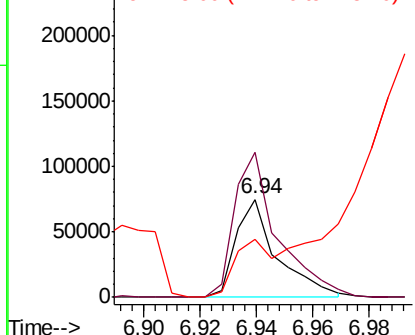
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.05 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76085
Ion Ratio Lower Upper
152 100
150 147.5 122.7 184.1
115 58.9 45.2 67.8



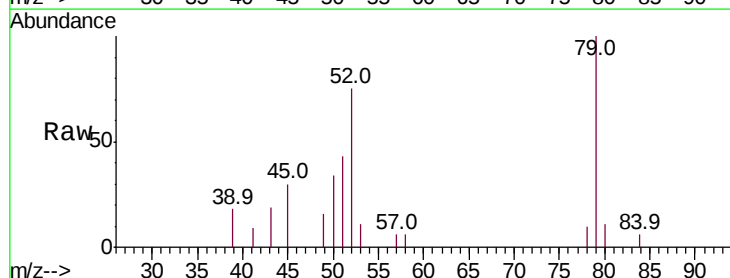
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



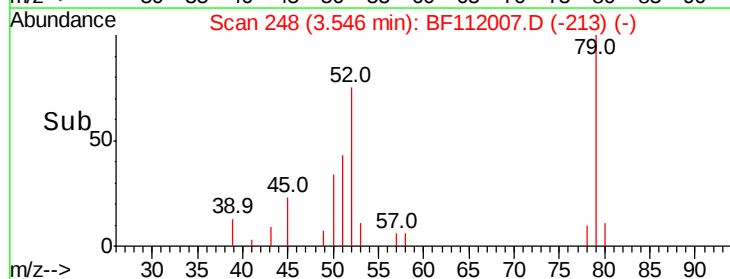
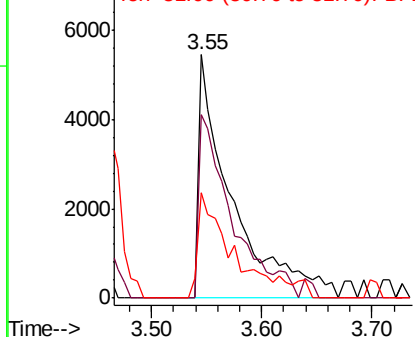
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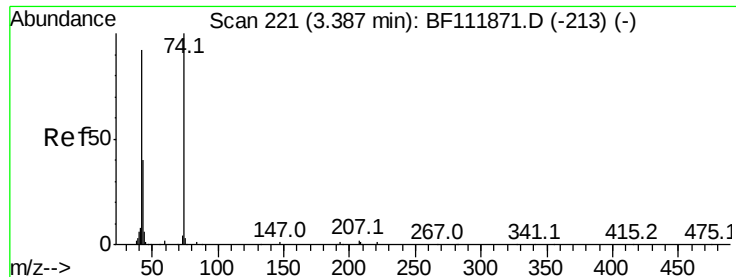
Pyridine
Concen: 2.226 ng
RT: 3.55 min Scan# 248
Delta R.T. 0.11 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

Tgt Ion: 79 Resp: 11219
Ion Ratio Lower Upper
79 100
52 75.4 67.0 100.6
51 43.1 34.2 51.2



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



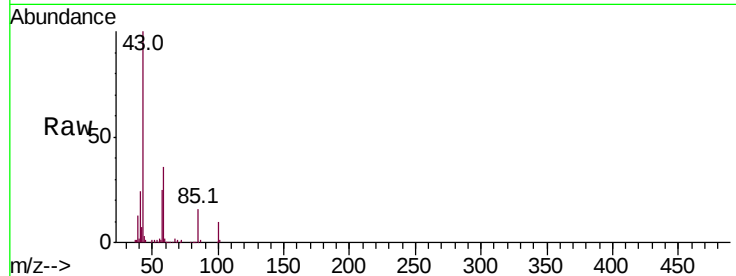


#4

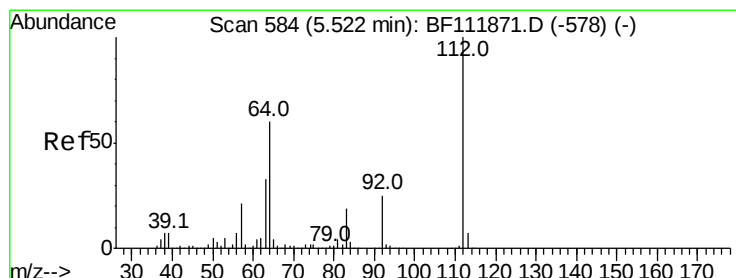
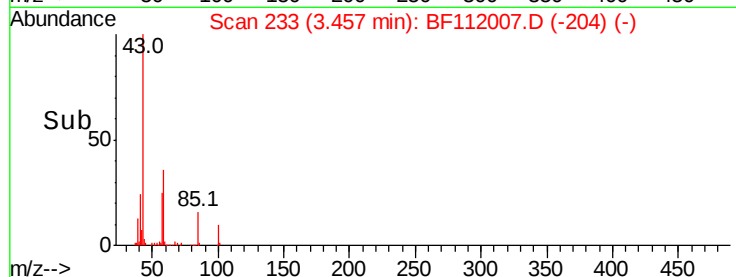
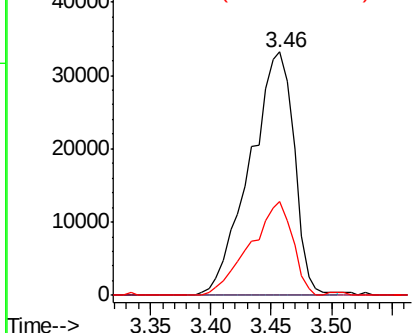
n-Nitrosodimethylamine
 Concen: 33.684 ng
 RT: 3.46 min Scan# 233
 Delta R.T. 0.07 min
 Lab File: BF112007.D
 Acq: 11 Jan 2019 00:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 42 Resp: 84470
 Ion Ratio Lower Upper
 42 100
 74 0.0 87.0 130.6#
 44 38.5 5.5 8.3#



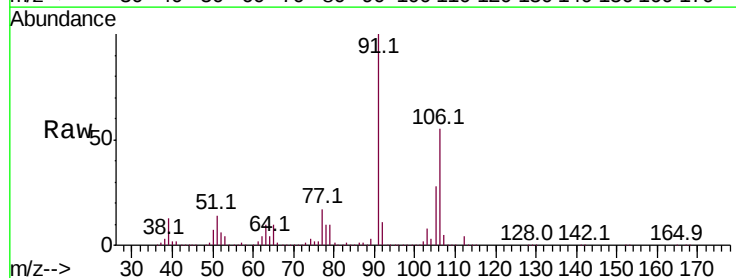
Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1



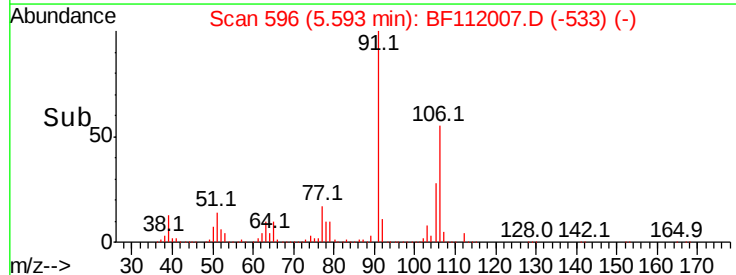
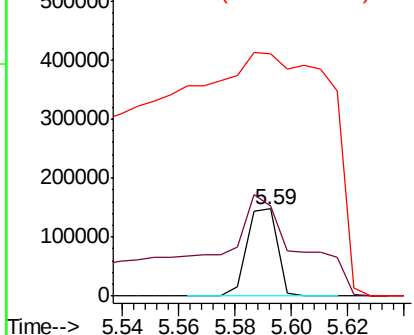
#5

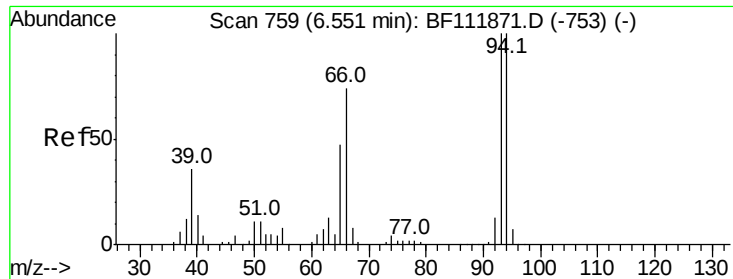
2-Fluorophenol
 Concen: 25.151 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.07 min
 Lab File: BF112007.D
 Acq: 11 Jan 2019 00:16

Tgt Ion: 112 Resp: 111855
 Ion Ratio Lower Upper
 112 100
 64 103.7 48.3 72.5#
 63 278.6 26.1 39.1#



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





#6

Aniline

Concen: 11.628 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.02 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Instrument :

BNA_F

ClientSampleId :

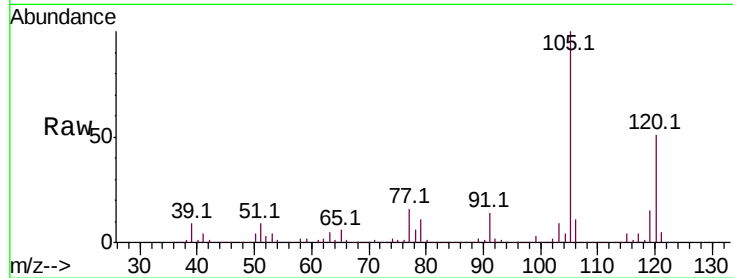
Tot Ion: 93 Resp: 80588

Ion Ratio Lower Upper

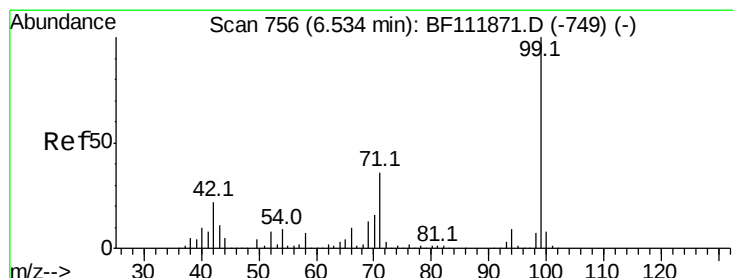
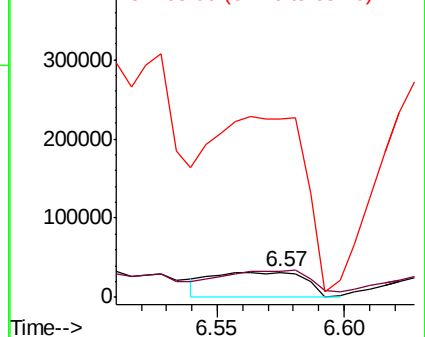
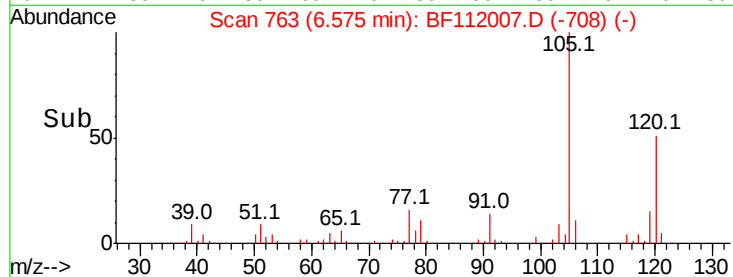
93 100

66 105.3 60.0 90.0#

65 712.2 37.5 56.3#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 49.323 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.05 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

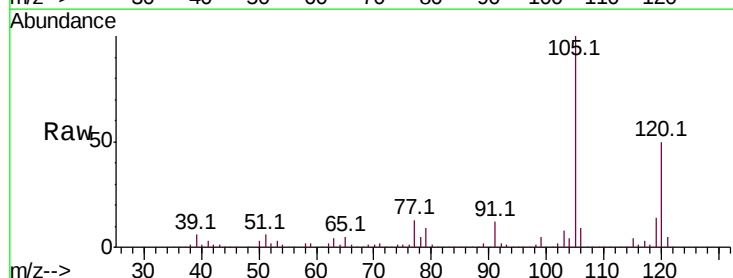
Tgt Ion: 99 Resp: 282719

Ion Ratio Lower Upper

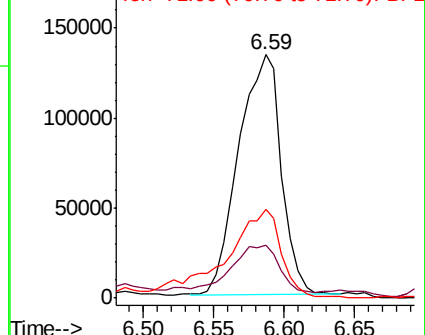
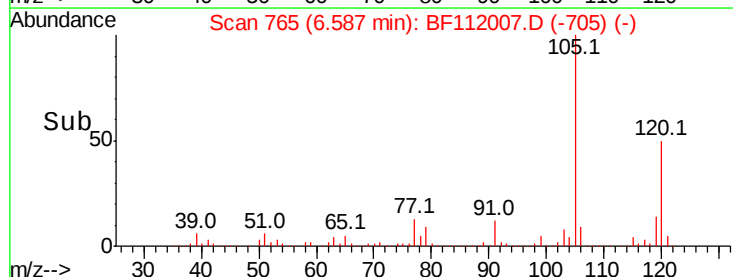
99 100

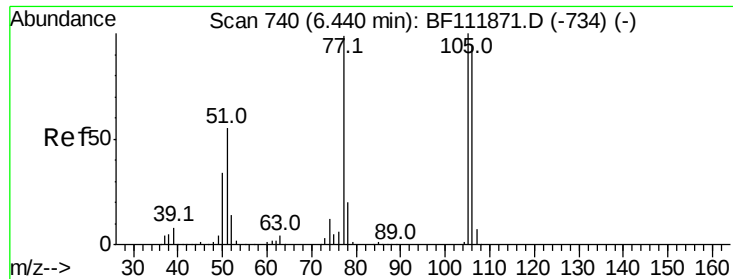
42 21.7 17.9 26.9

71 36.2 28.7 43.1



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: Below Cal

RT: 6.50 min Scan# 750

Delta R.T. 0.06 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Instrument :
BNA_F
ClientSampled :

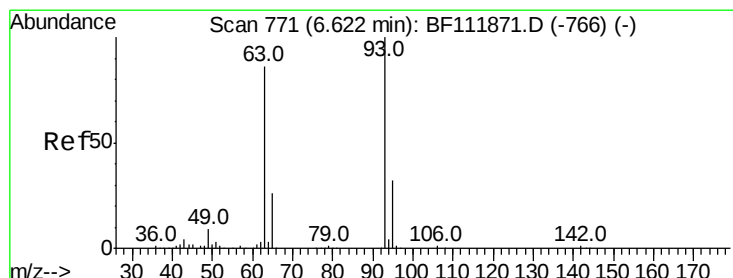
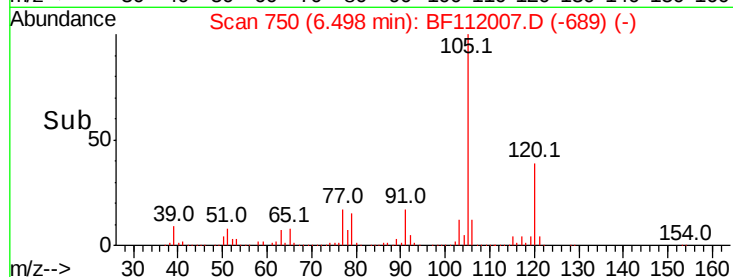
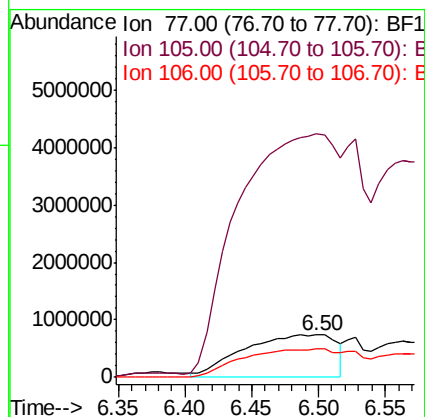
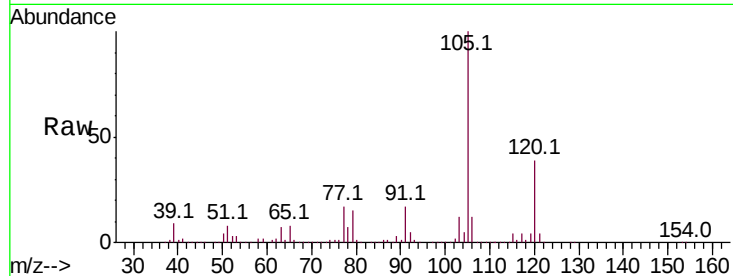
Tot Ion: 77 Resp: 3572134

Ion Ratio Lower Upper

77 100

105 574.8 80.6 120.6#

106 67.4 74.6 114.6#



#11

bis(2-Chloroethyl)ether

Concen: 16.557 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.04 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

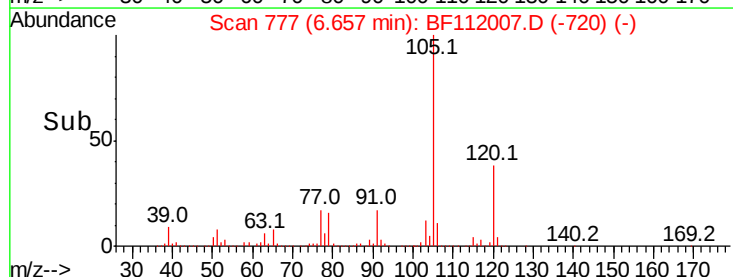
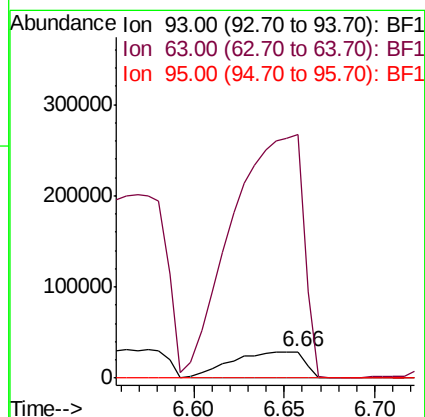
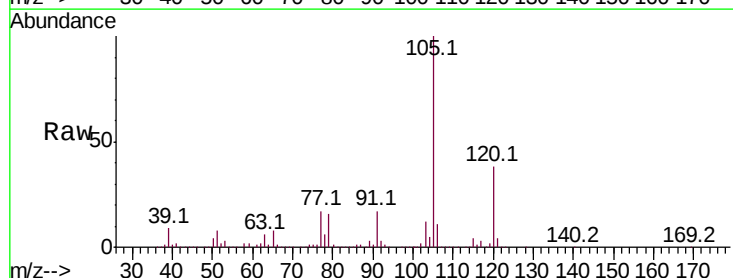
Tgt Ion: 93 Resp: 79801

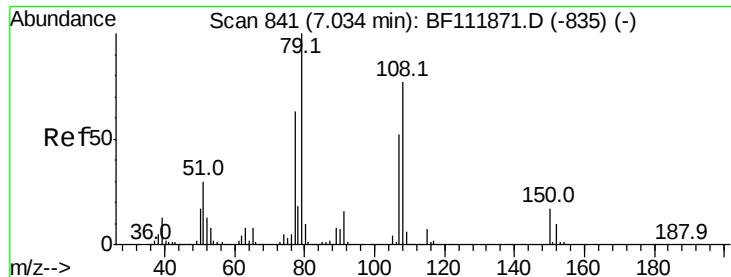
Ion Ratio Lower Upper

93 100

63 934.9 65.2 105.2#

95 0.0 11.9 51.9#





#15

Benzyl Alcohol

Concen: 336.624 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Instrument :
BNA_F
ClientSampled :

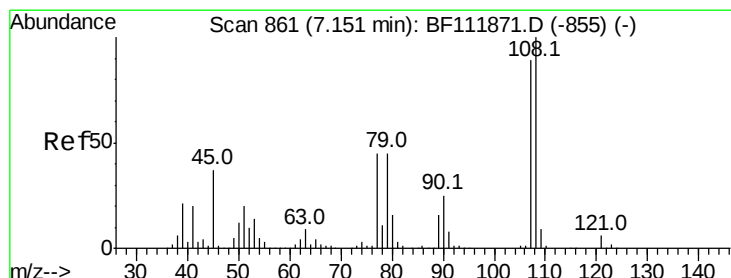
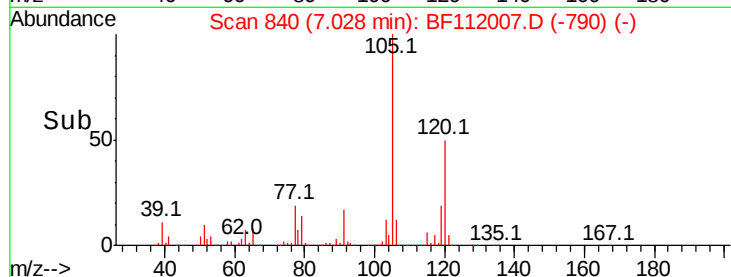
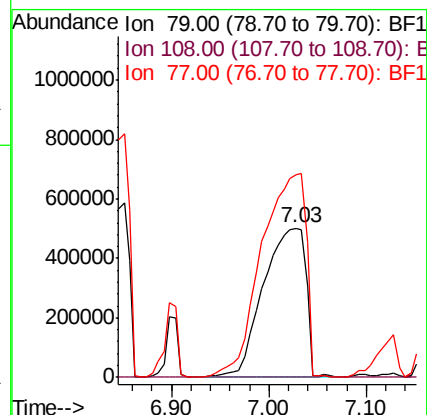
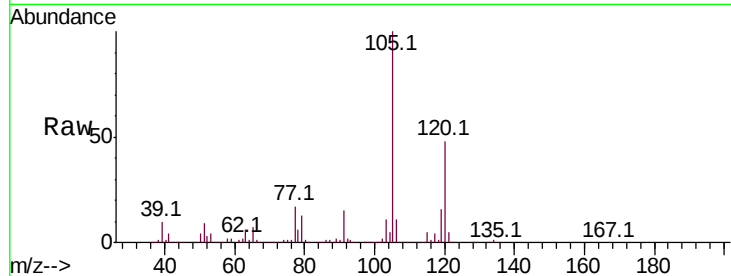
Tot Ion: 79 Resp: 1526690

Ion Ratio Lower Upper

79 100

108 0.1 61.4 92.0#

77 135.9 50.4 75.6#



#17

2-Methylphenol

Concen: 17.549 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.05 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Tgt Ion: 107 Resp: 69651

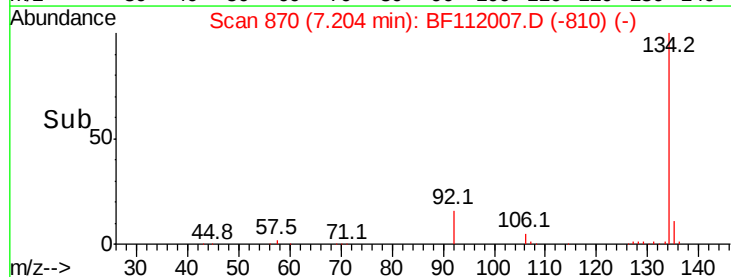
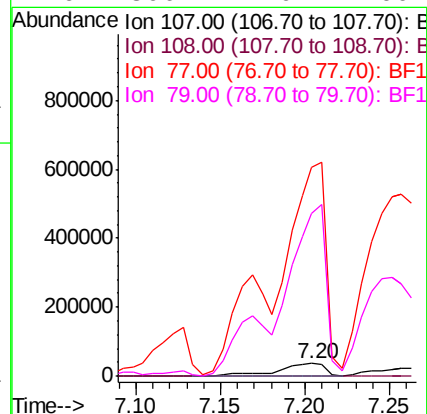
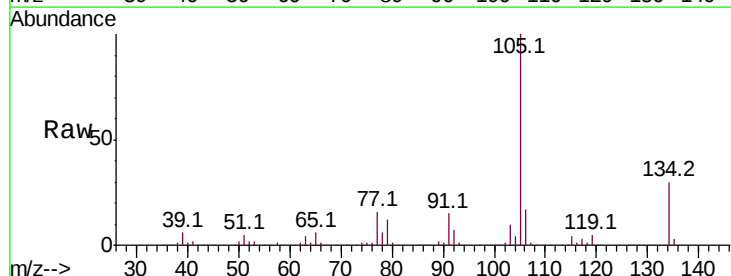
Ion Ratio Lower Upper

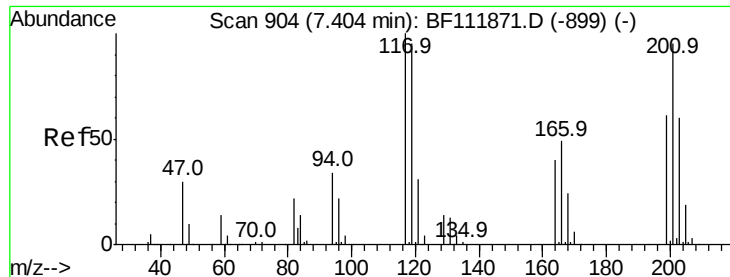
107 100

108 3.9 89.7 134.5#

77 1662.7 40.6 60.8#

79 1300.4 40.2 60.2#





#18

Hexachloroethane

Concen: 288.770 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.06 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Instrument :

BNA_F

ClientSampleId :

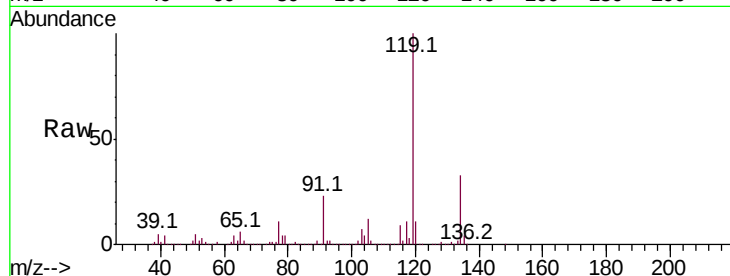
Tot Ion:117 Resp: 585726

Ion Ratio Lower Upper

117 100

119 924.0 76.2 114.2#

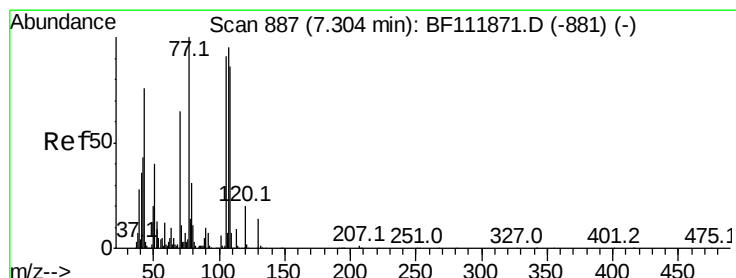
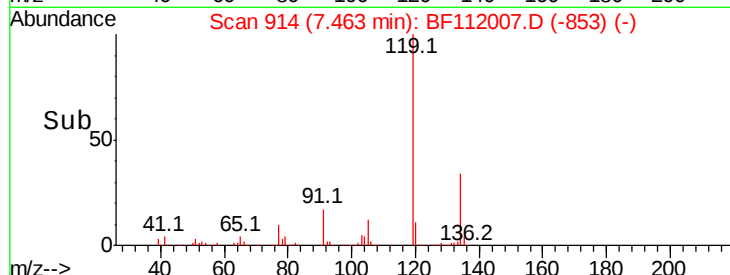
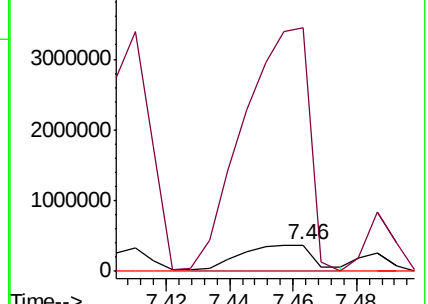
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#20

3+4-Methylphenols

Concen: 3.381 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.08 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Tgt Ion:107 Resp: 16699

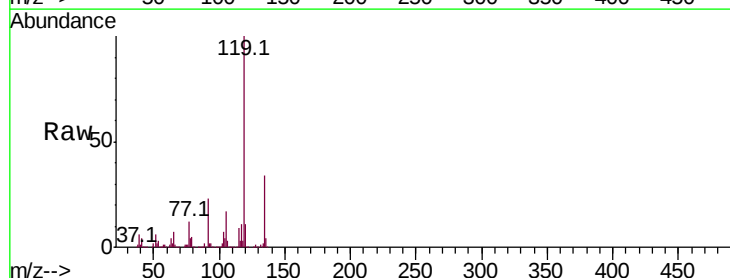
Ion Ratio Lower Upper

107 100

108 5.3 71.1 111.1#

77 3064.5 85.4 125.4#

79 1277.7 12.4 52.4#

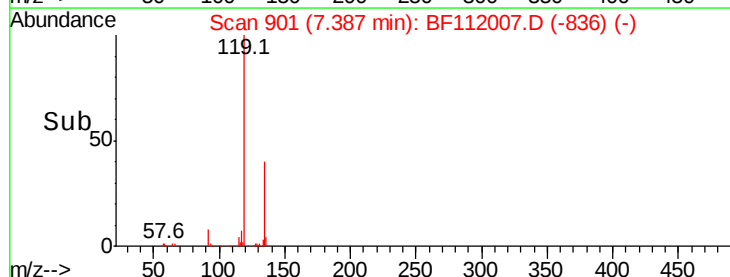
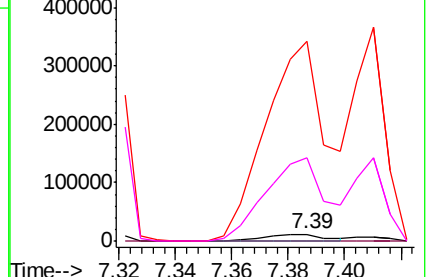


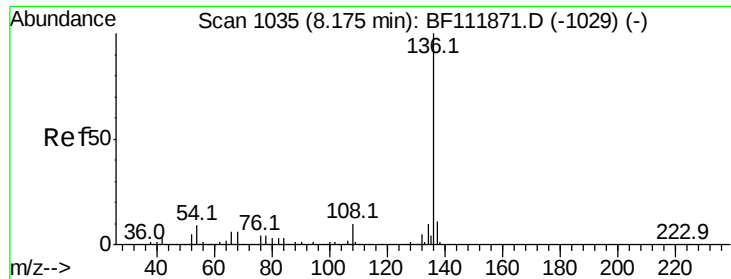
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Instrument :

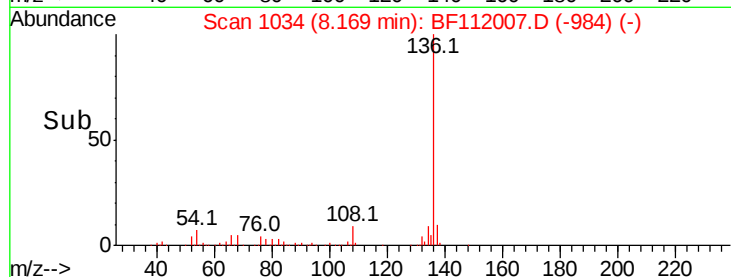
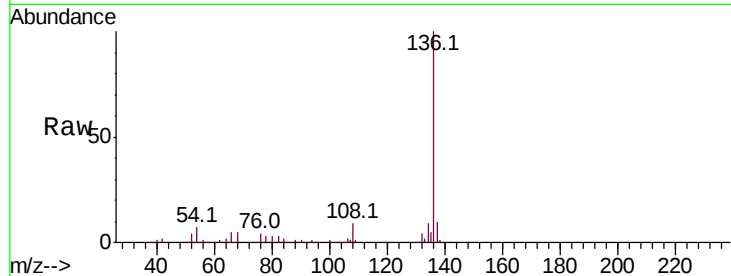
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 263678

Ion Ratio Lower Upper

136	100		
137	10.3	9.1	13.7
54	6.8	7.2	10.8#
68	4.6	4.4	6.6

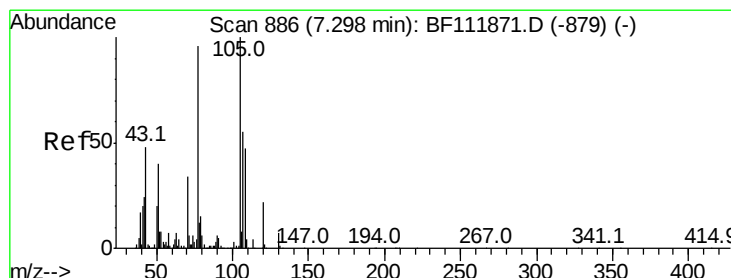
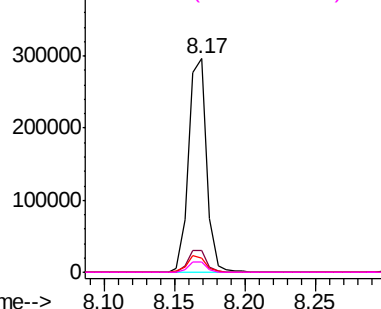


Abundance Ion 136.00 (135.70 to 136.70): E

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: 435.572 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.02 min

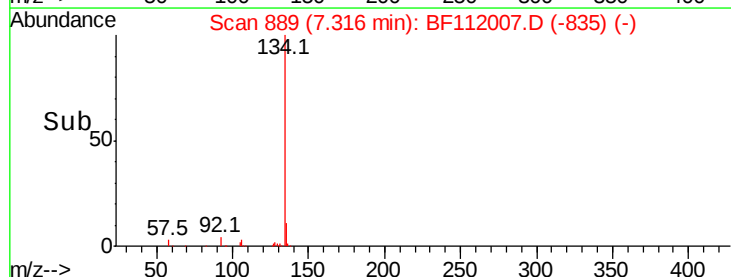
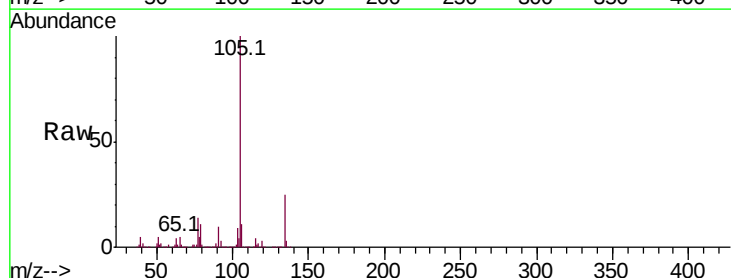
Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Tgt Ion:105 Resp: 2907665

Ion Ratio Lower Upper

105	100		
71	0.0	4.6	6.8#
51	4.8	32.2	48.2#
120	0.3	17.5	26.3#

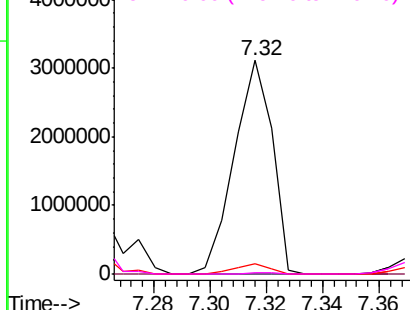


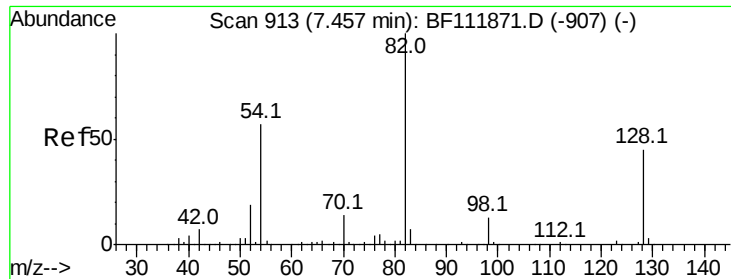
Abundance Ion 105.00 (104.70 to 105.70): E

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

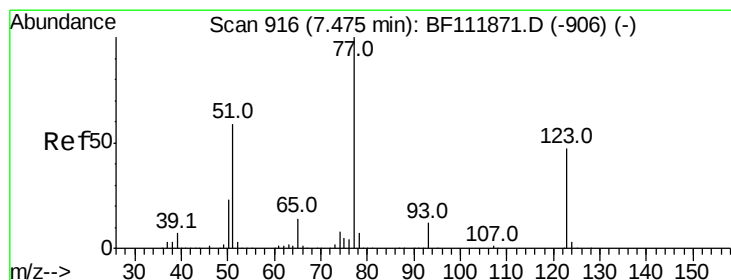
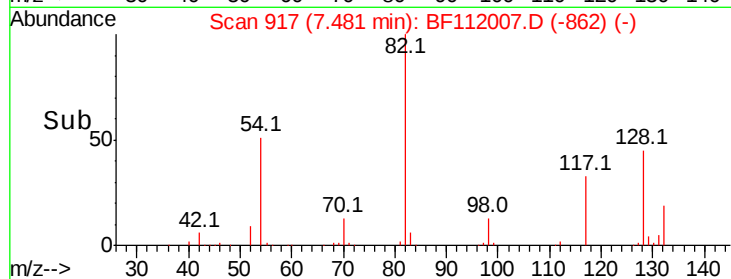
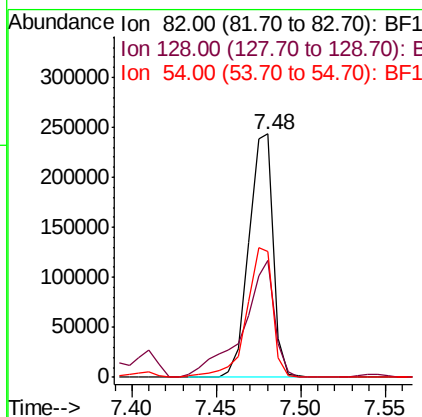
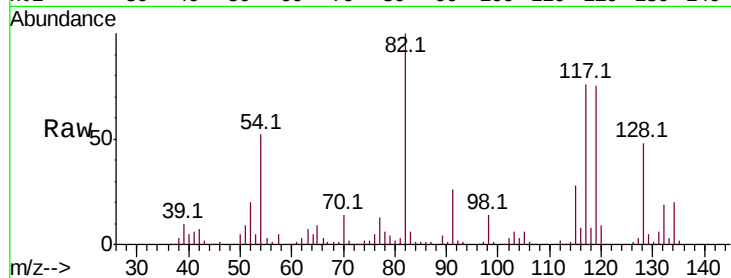




#23
 Nitrobenzene-d5
 Concen: 50.004 ng
 RT: 7.48 min Scan# 917
 Delta R.T. 0.02 min
 Lab File: BF112007.D
 Acq: 11 Jan 2019 00:16

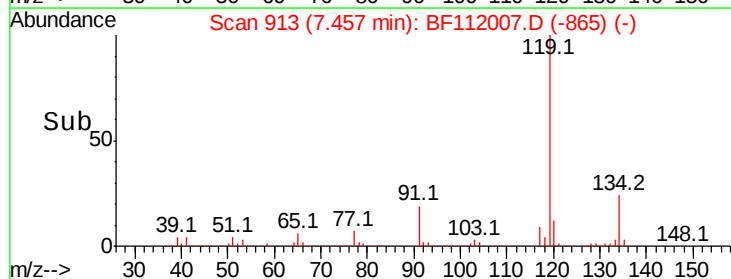
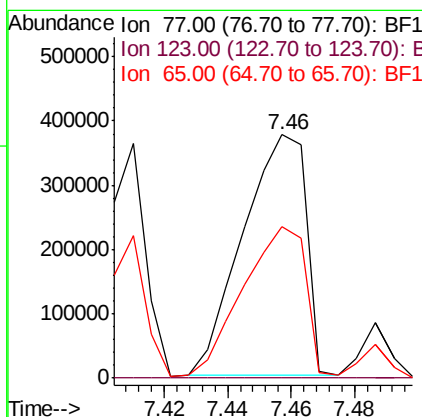
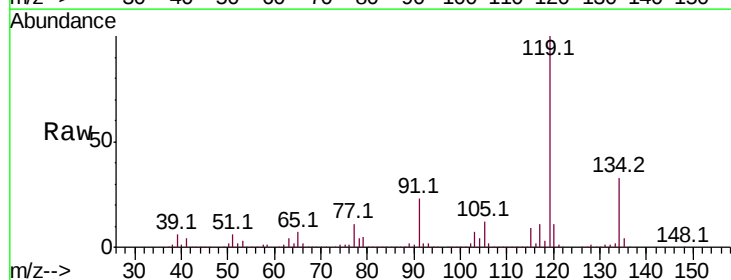
Instrument :
 BNA_F
 ClientSampleId :

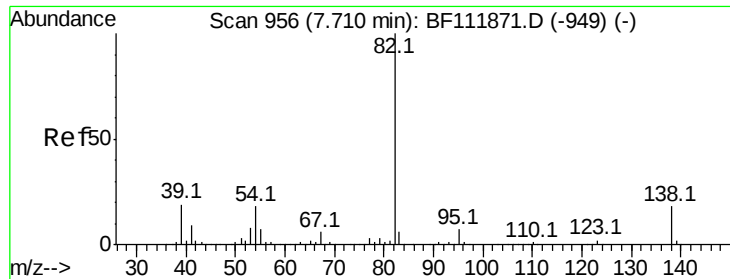
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	35.7	53.5
54	51.7	45.8	68.8



#24
 Nitrobenzene
 Concen: 103.248 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: BF112007.D
 Acq: 11 Jan 2019 00:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	38.1	57.1#
65	62.0	11.0	16.4#





#25

Isophorone

Concen: 30.879 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.23 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Instrument :

BNA_F

ClientSampleId :

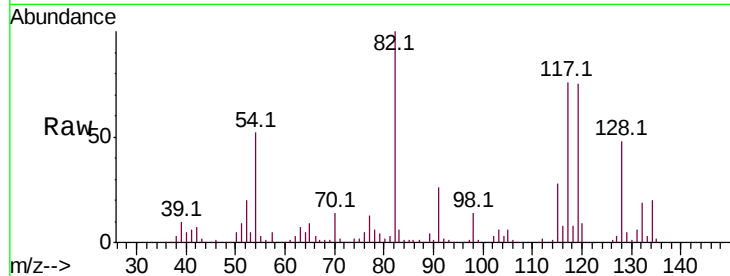
Tot Ion: 82 Resp: 246698

Ion Ratio Lower Upper

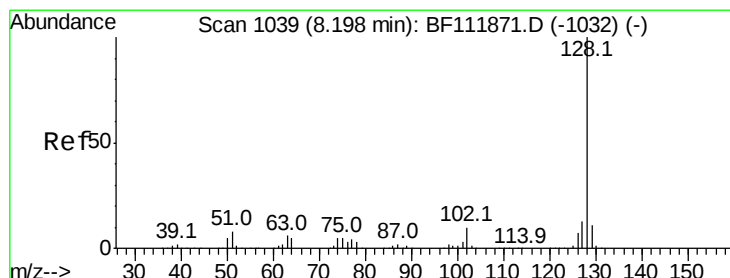
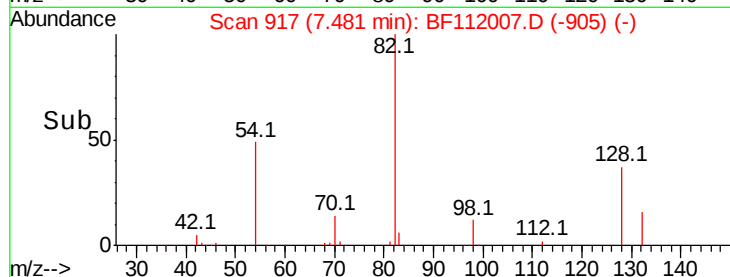
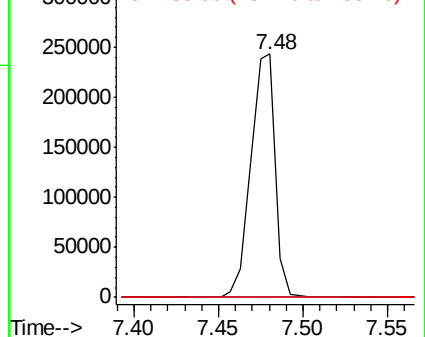
82 100

95 0.0 5.8 8.6#

138 0.0 14.4 21.6#



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: 5.490 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

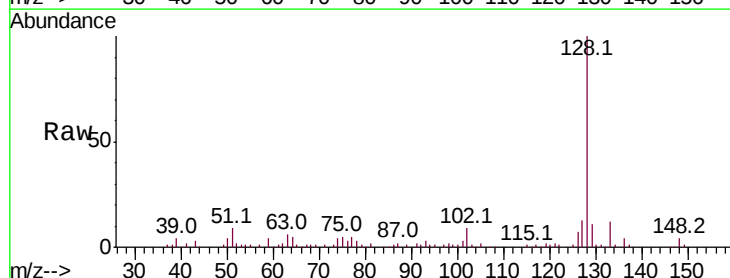
Tgt Ion: 128 Resp: 68718

Ion Ratio Lower Upper

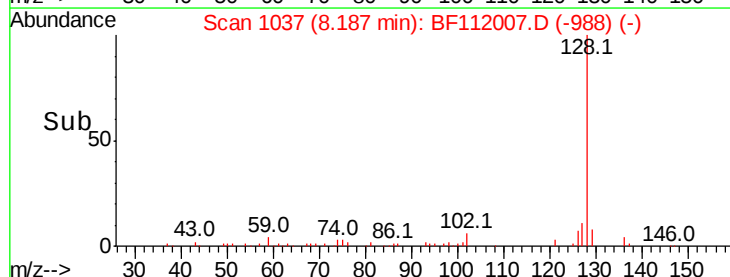
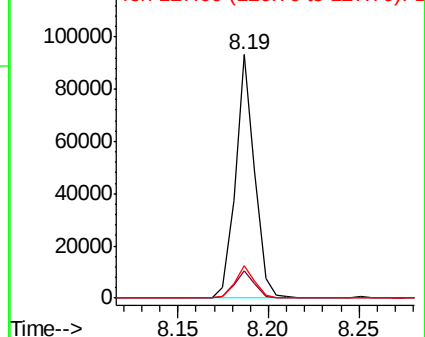
128 100

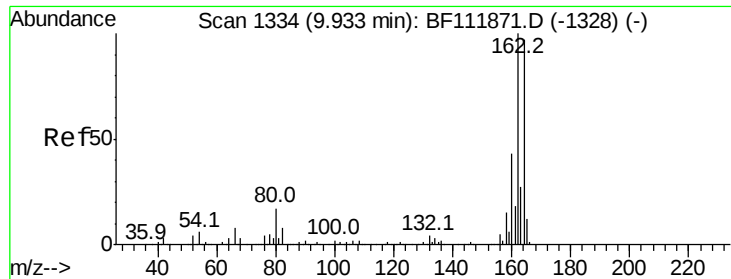
129 11.2 9.0 13.4

127 13.2 10.7 16.1



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

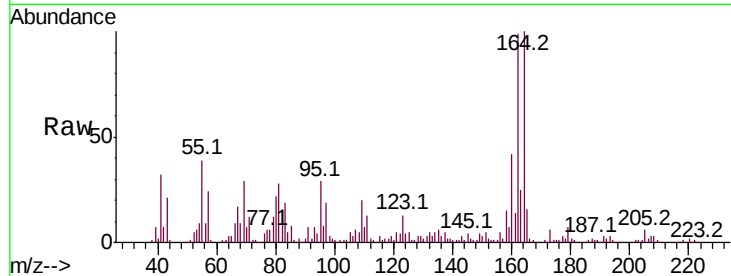




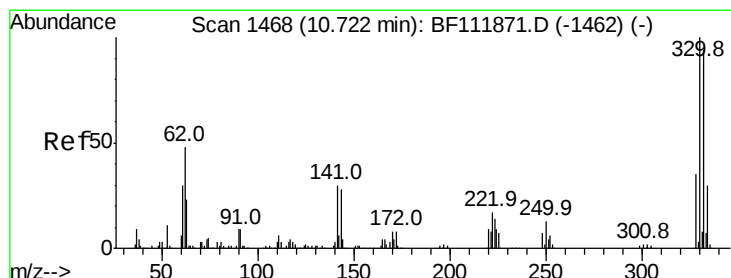
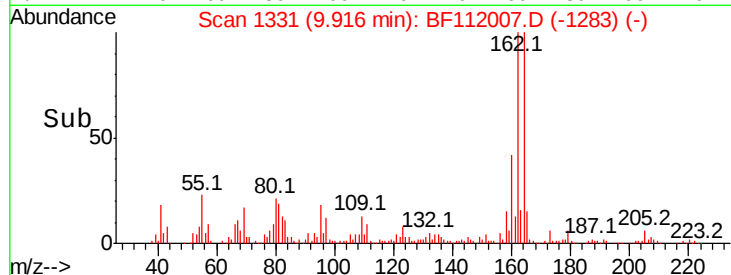
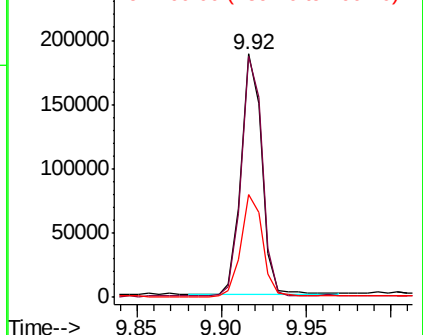
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 161545
Ion Ratio Lower Upper
164 100
162 99.1 82.2 123.2
160 42.0 35.5 53.3

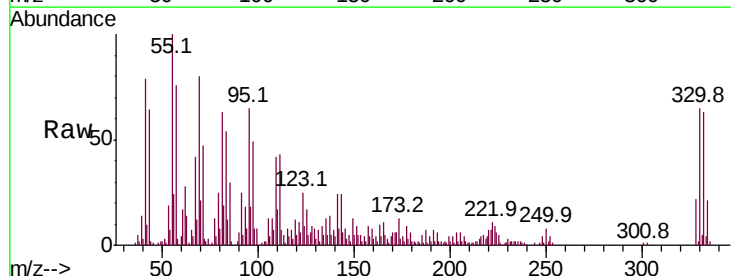


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

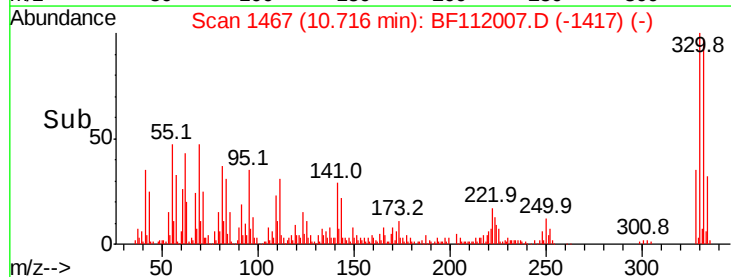
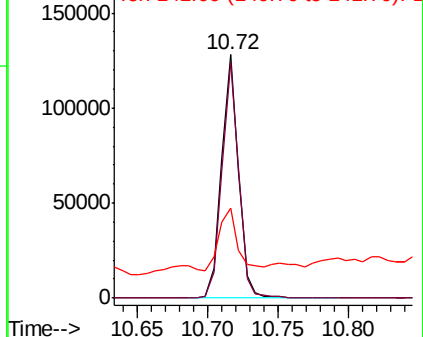


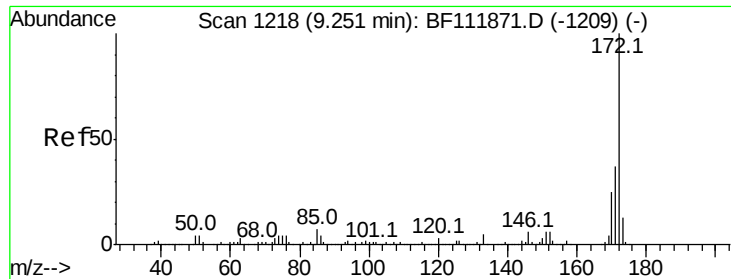
#42
2,4,6-Tribromophenol
Concen: 51.262 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

Tgt Ion:330 Resp: 107713
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 28.6 23.7 35.5



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

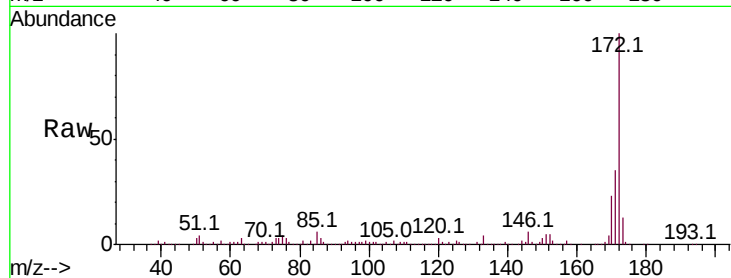




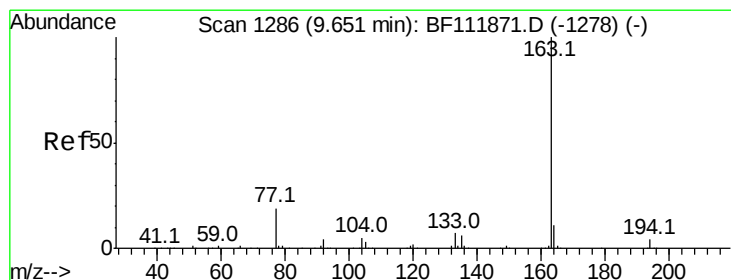
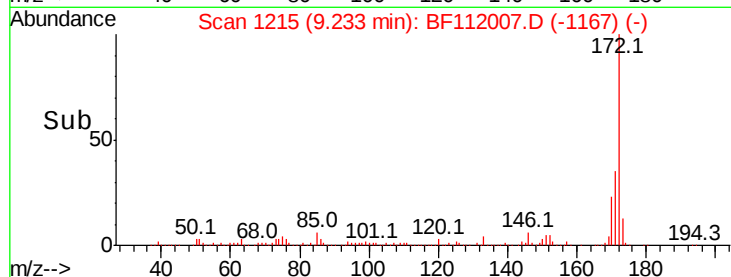
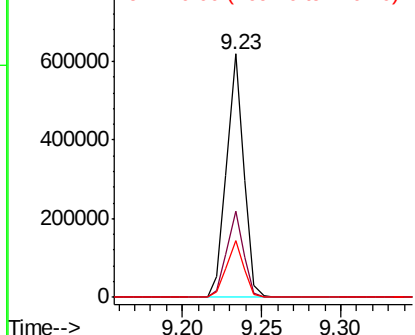
#45
2-Fluorobiphenyl
Concen: 42.160 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 467063
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.2 19.8 29.8

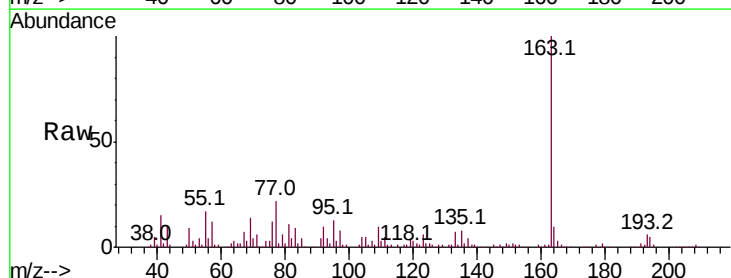


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

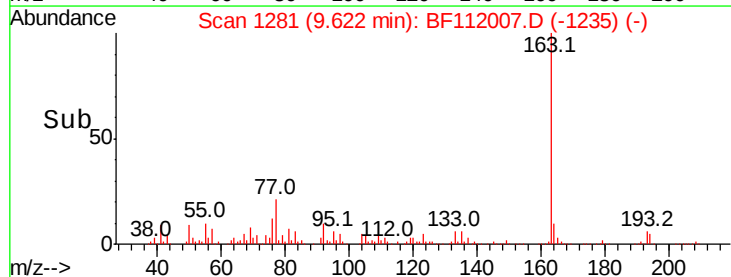
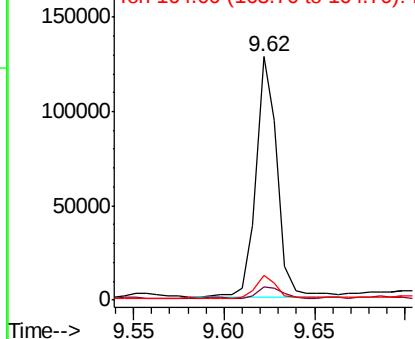


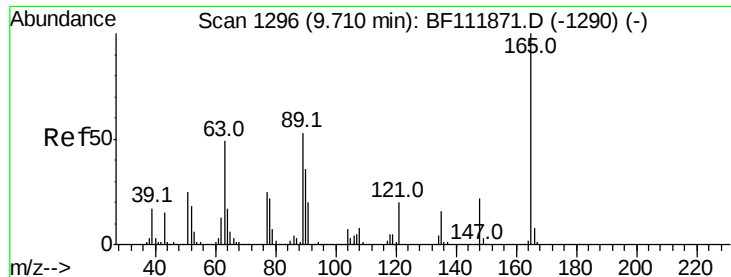
#50
Dimethylphthalate
Concen: 8.510 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

Tgt Ion:163 Resp: 103274
Ion Ratio Lower Upper
163 100
194 5.4 3.4 5.2#
164 10.1 8.5 12.7



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

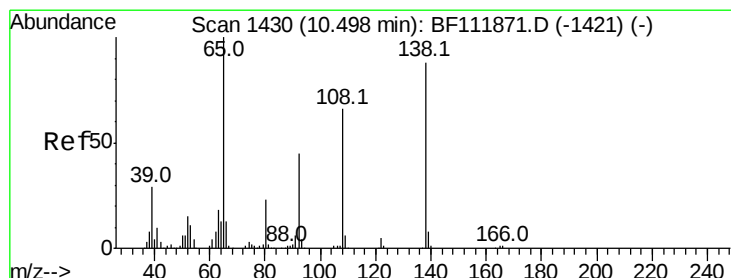
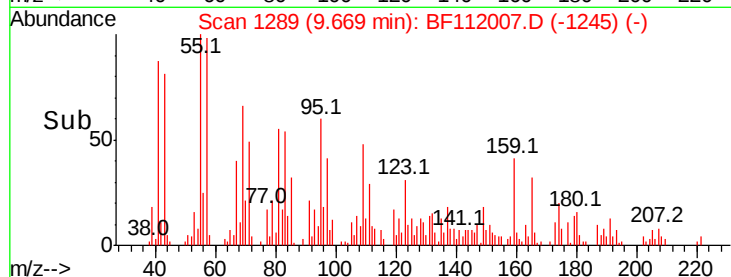
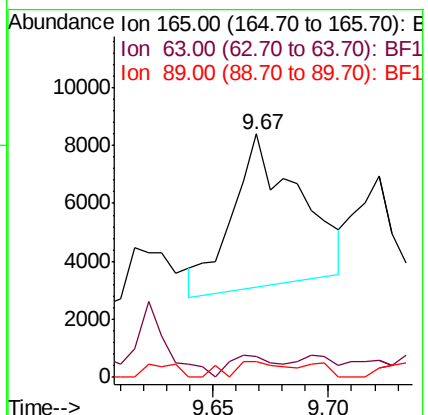
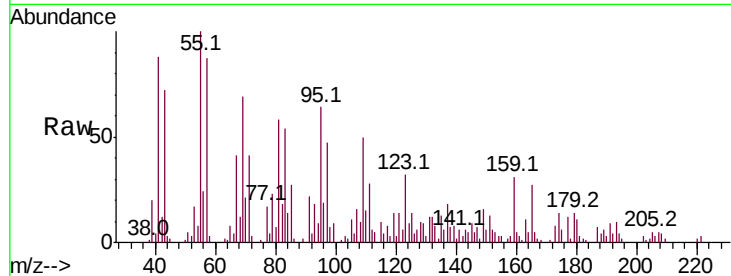




#51
2,6-Dinitrotoluene
Concen: 3.930 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.04 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

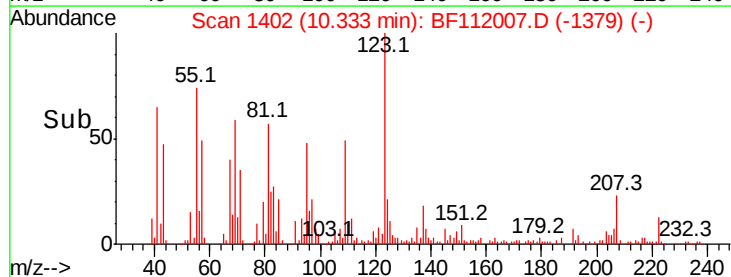
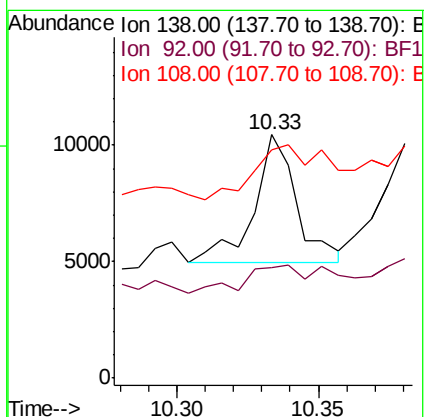
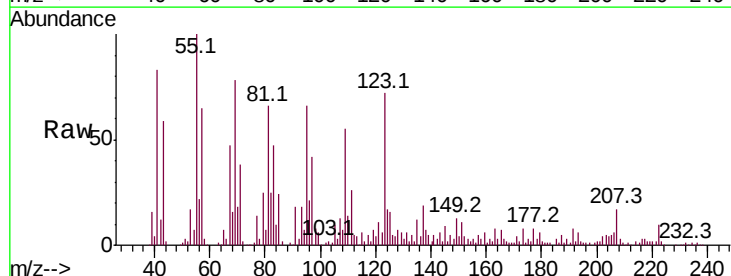
Instrument :
BNA_F
ClientSampled :

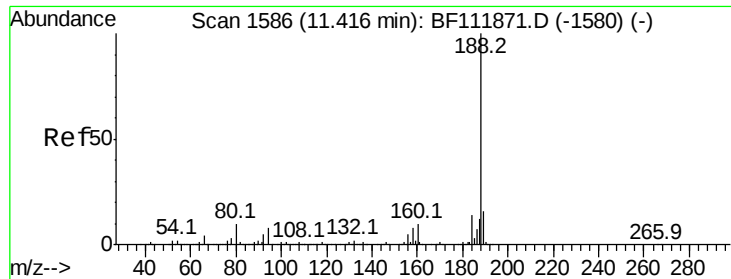
Tot Ion:165 Resp: 10665
Ion Ratio Lower Upper
165 100
63 8.4 46.2 69.2#
89 6.6 42.2 63.2#



#62
4-Nitroaniline
Concen: 2.089 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.16 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

Tgt Ion:138 Resp: 5759
Ion Ratio Lower Upper
138 100
92 45.3 31.0 71.0
108 93.8 54.7 94.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Instrument :

BNA_F

ClientSampleId :

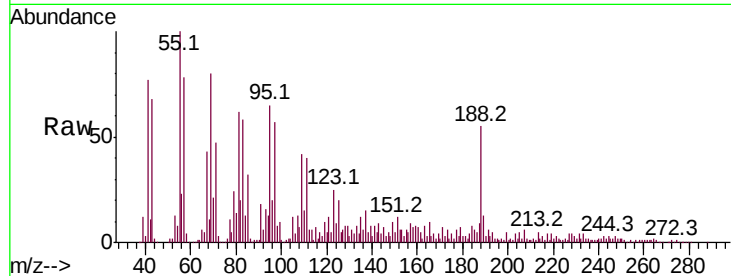
Tot Ion:188 Resp: 175274

Ion Ratio Lower Upper

188 100

94 23.4 6.6 10.0#

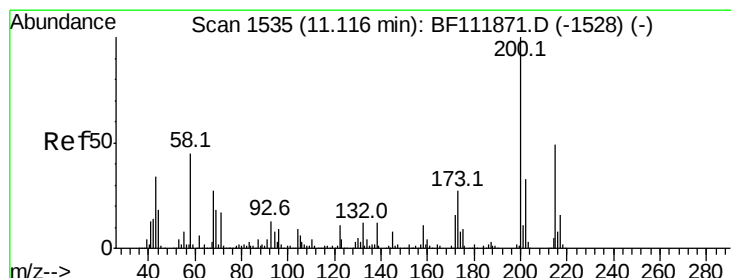
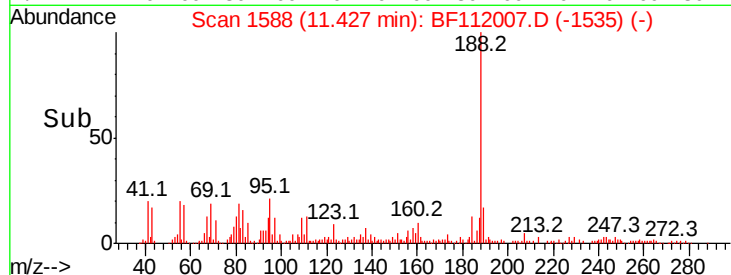
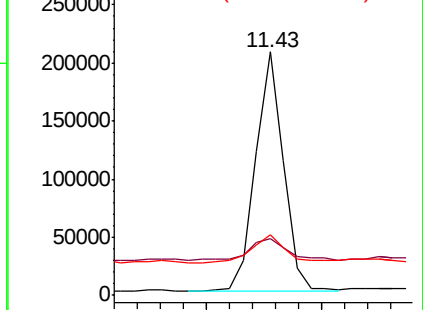
80 24.8 7.7 11.5#



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



#69

Atrazine

Concen: 2.415 ng

RT: 11.12 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

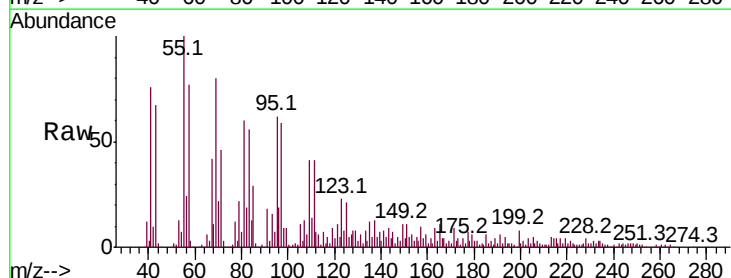
Tgt Ion:200 Resp: 4990

Ion Ratio Lower Upper

200 100

173 189.0 6.6 46.6#

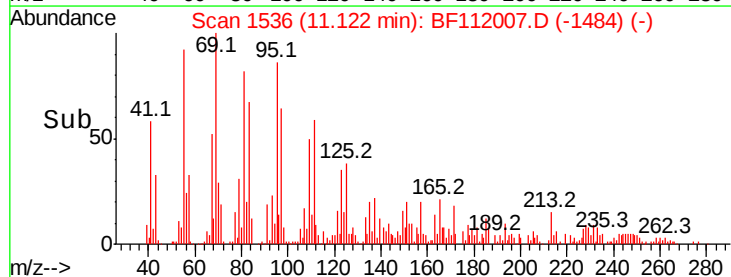
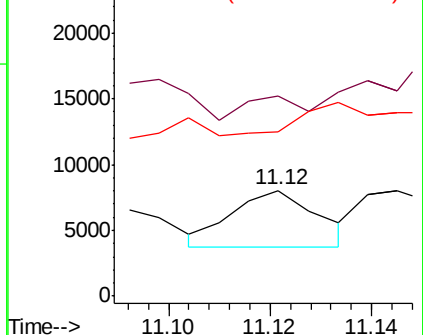
215 155.4 28.9 68.9#

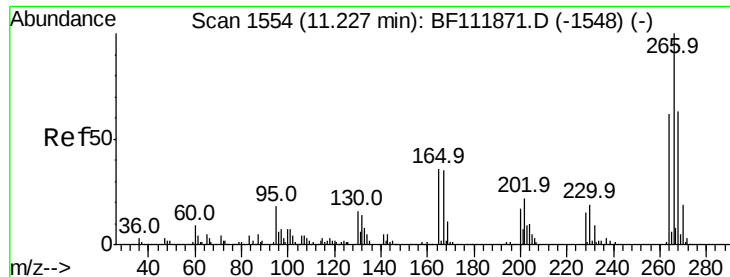


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

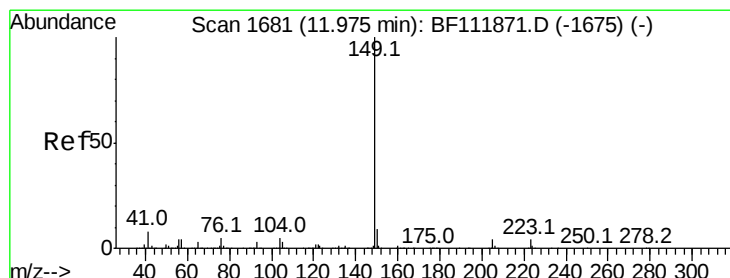
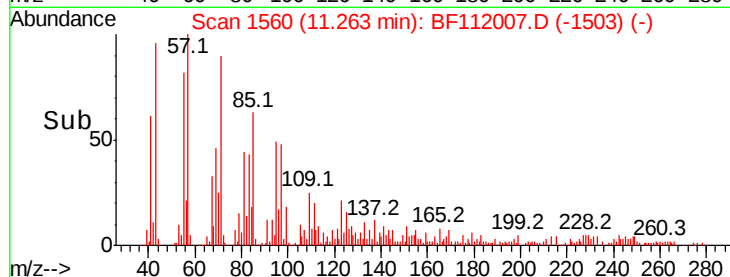
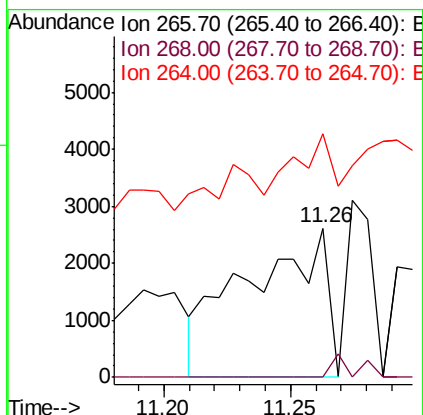
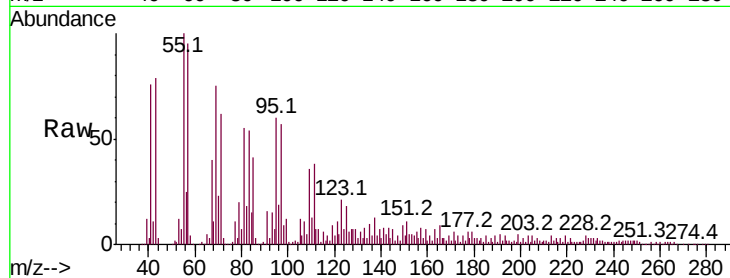




#70
 Pentachlorophenol
 Concen: 4.011 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.04 min
 Lab File: BF112007.D
 Acq: 11 Jan 2019 00:16

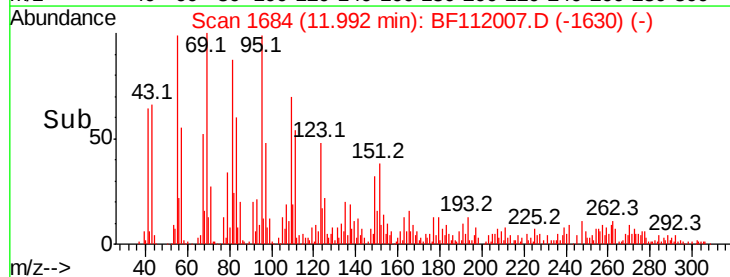
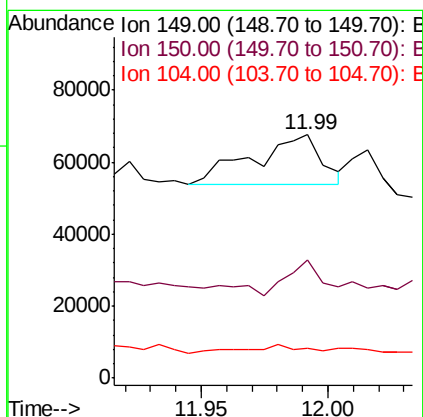
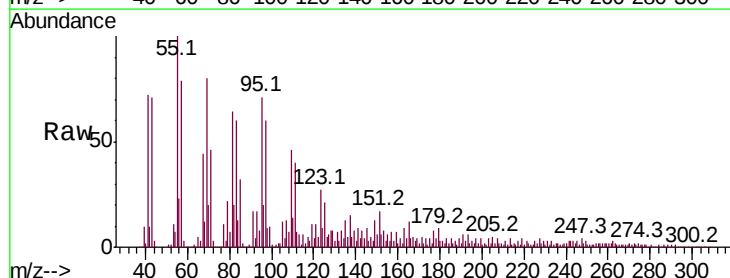
Instrument :
 BNA_F
 ClientSampleId :

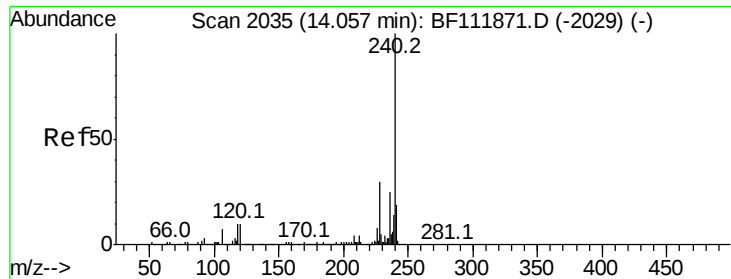
Tot Ion:266 Resp: 5743
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.6 76.0#
 264 163.0 49.3 73.9#



#74
 Di-n-butylphthalate
 Concen: 2.366 ng
 RT: 11.99 min Scan# 1684
 Delta R.T. 0.02 min
 Lab File: BF112007.D
 Acq: 11 Jan 2019 00:16

Tgt Ion:149 Resp: 25432
 Ion Ratio Lower Upper
 149 100
 150 48.5 7.5 11.3#
 104 12.0 3.9 5.9#

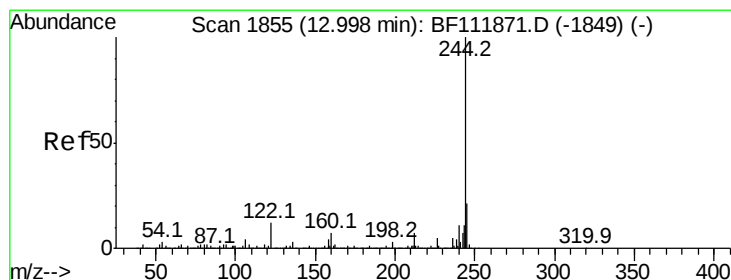
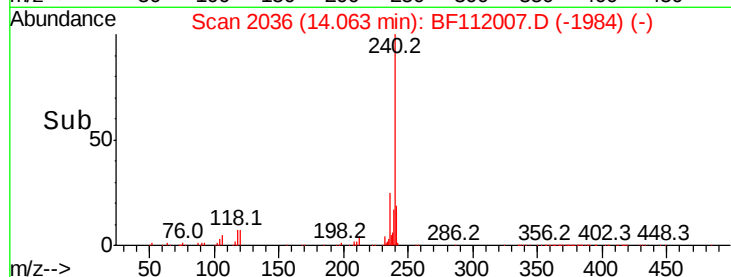
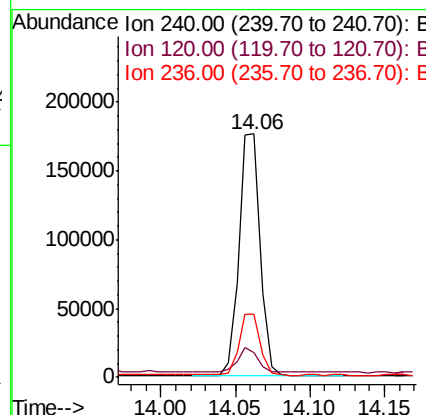
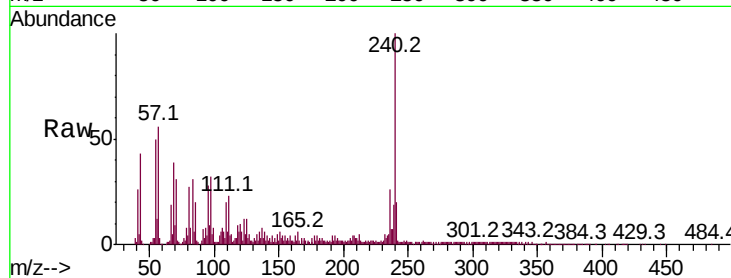




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

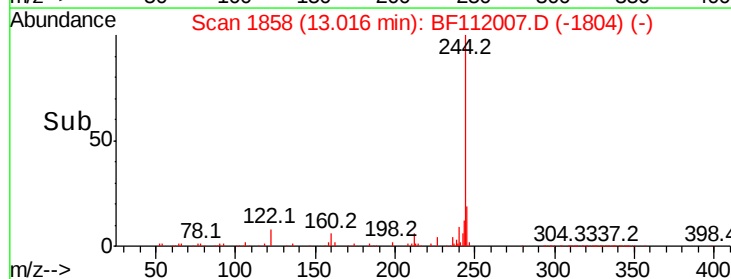
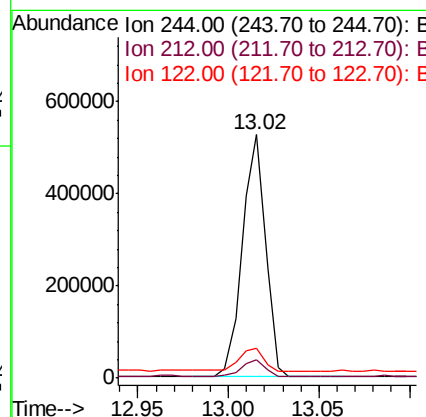
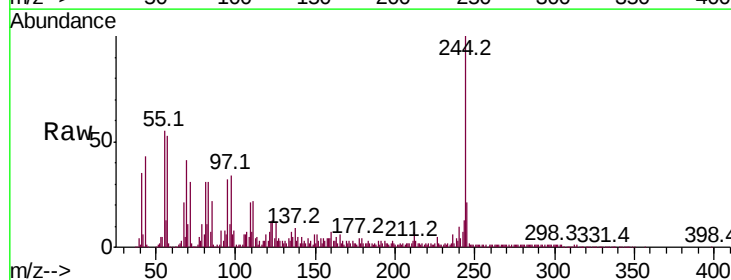
Instrument :
BNA_F
ClientSampleId :

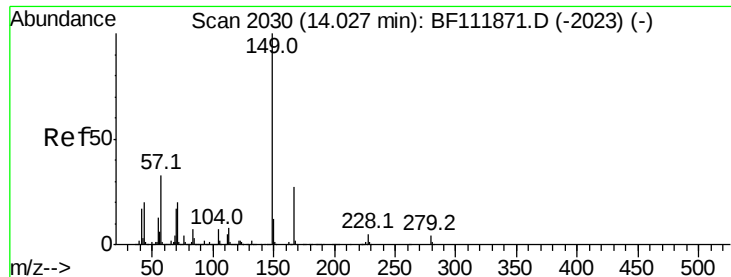
Tot Ion:240 Resp: 177030
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 25.8 20.2 30.4



#79
Terphenyl-d14
Concen: 50.161 ng
RT: 13.02 min Scan# 1858
Delta R.T. 0.02 min
Lab File: BF112007.D
Acq: 11 Jan 2019 00:16

Tgt Ion:244 Resp: 467810
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.8
122 12.2 9.5 14.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.471 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Instrument :

BNA_F

ClientSampleId :

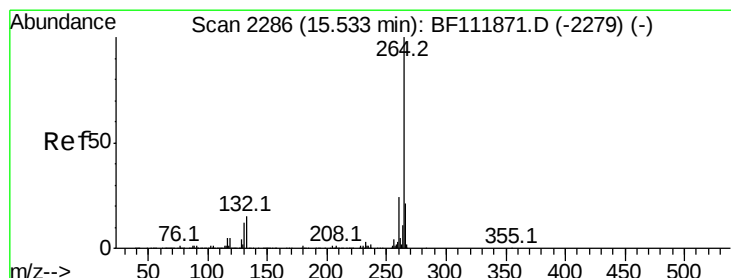
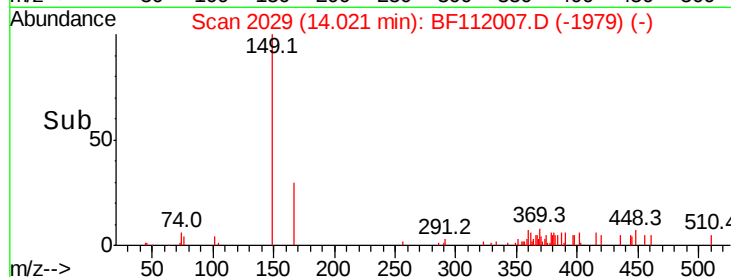
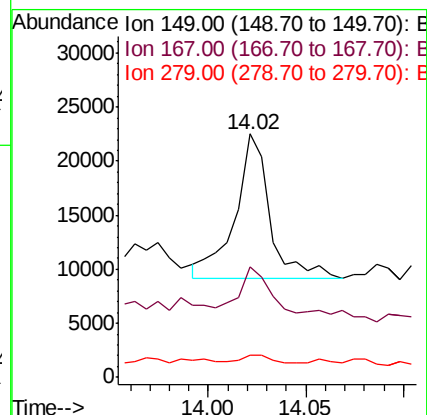
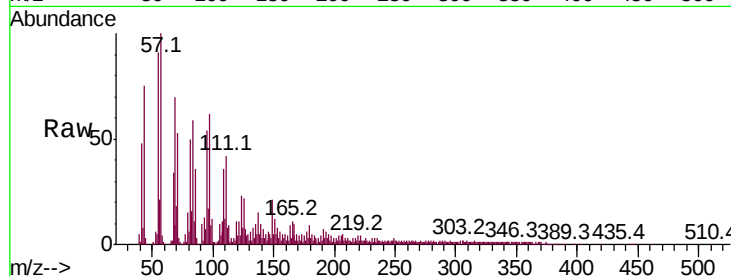
Tot Ion:149 Resp: 16708

Ion Ratio Lower Upper

149 100

167 45.2 21.5 32.3#

279 9.0 3.0 4.6#



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BF112007.D

Acq: 11 Jan 2019 00:16

Tgt Ion:264 Resp: 133915

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.8 17.1 25.7

