

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111631.D
 Acq On : 20 Dec 2018 11:26
 Operator : JU/SJ
 Sample : J6353-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 13:42:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	194132	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	739846	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	382902	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	696385	20.00	ng	0.00
76) Chrysene-d12	14.05	240	475558	20.00	ng	0.00
87) Perylene-d12	15.53	264	498806	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1046849	91.92	ng	0.00
7) Phenol-d6	6.52	99	1372373	94.68	ng	0.00
23) Nitrobenzene-d5	7.45	82	823377	64.78	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	404368	89.38	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1360666	51.80	ng	0.00
79) Terphenyl-d14	13.00	244	1215603	48.48	ng	0.00

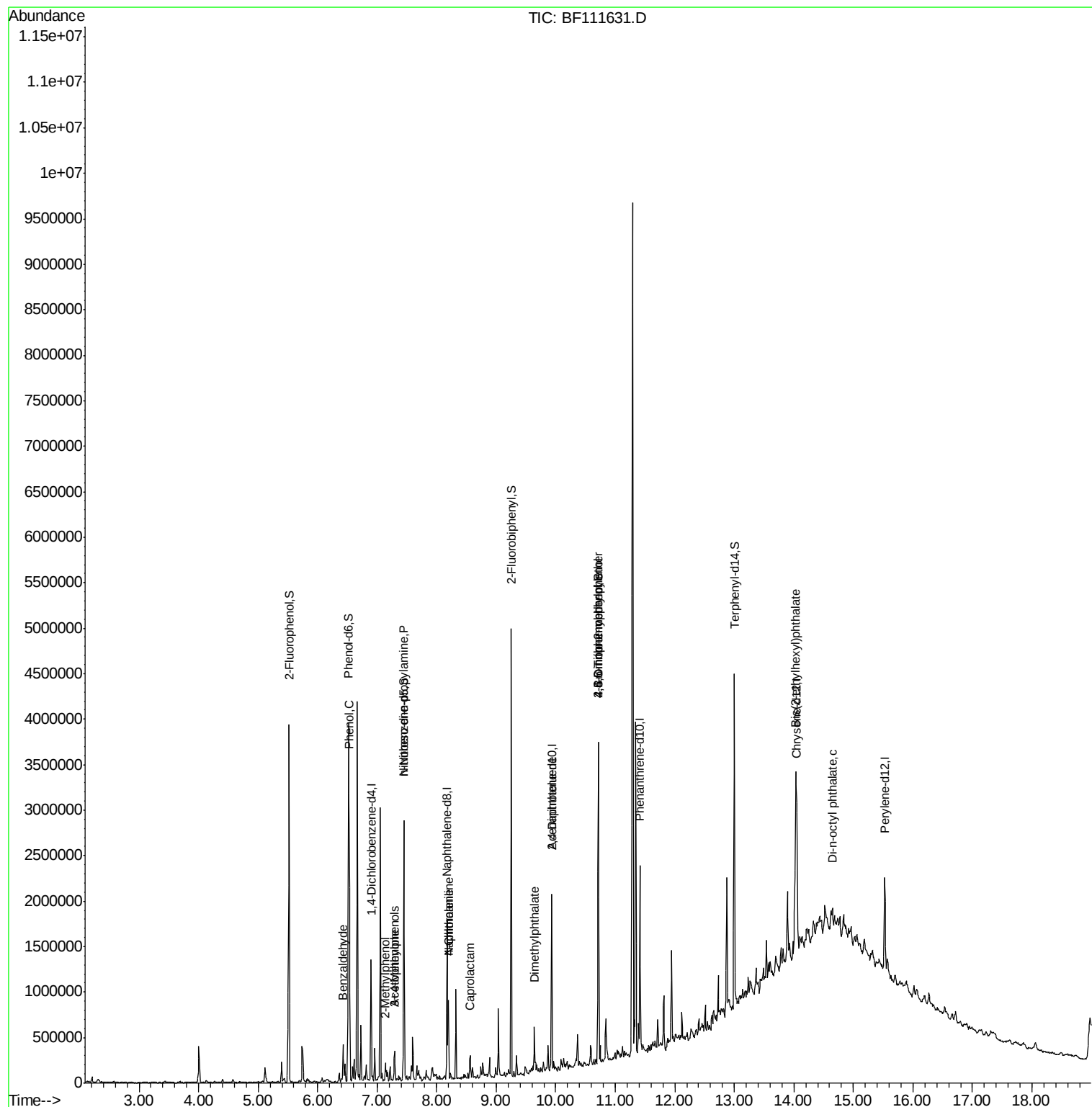
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	33449	3.355	ng	# 1
10) Phenol	6.53	94	399605	24.434	ng	99
17) 2-Methylphenol	7.14	107	30088	2.978	ng	97
19) n-Nitroso-di-n-propylamine	7.45	70	113327	11.773	ng	# 81
20) 3+4-Methylphenols	7.29	107	30349	2.378	ng	# 81
22) Acetophenone	7.29	105	52414	2.796	ng	# 86
31) Naphthalene	8.20	128	310426	8.732	ng	97
33) 4-Chloroaniline	8.20	127	42270	2.751	ng	# 37
35) Caprolactam	8.56	113	22688	5.845	ng	91
50) Dimethylphthalate	9.64	163	169708	6.061	ng	98
57) 2,4-Dinitrotoluene	9.93	165	53637	7.993	ng	# 26
65) 4,6-Dinitro-2-methylphenol	10.72	198	889	6.959	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	25352	2.935	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.03	149	825402	47.869	ng	100
85) Di-n-octyl phthalate	14.65	149	113947	4.265	ng	# 68

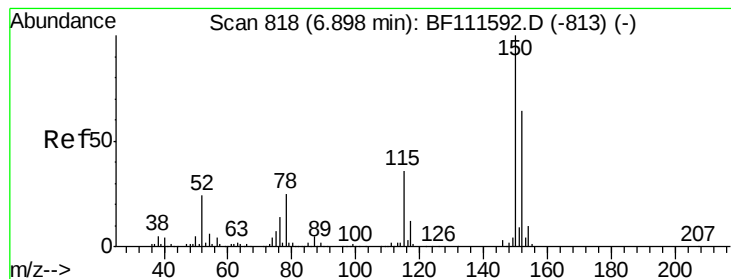
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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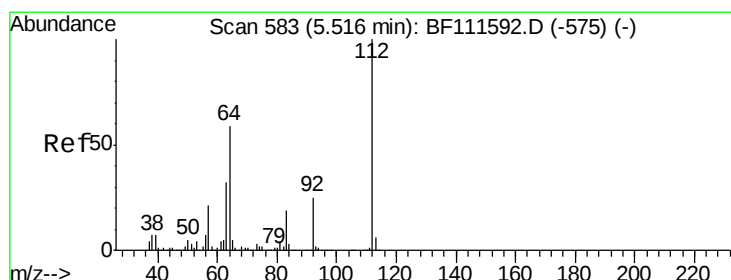
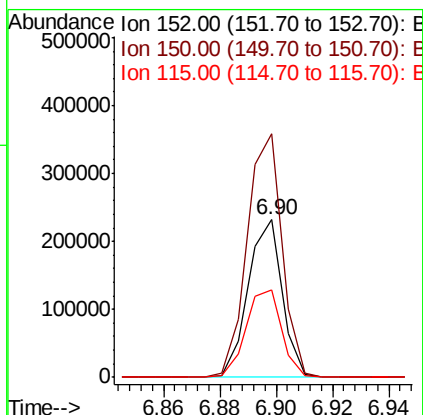
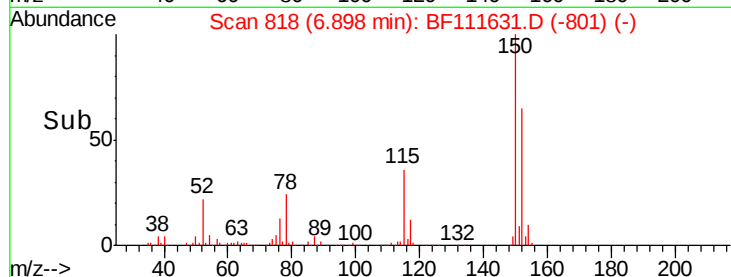
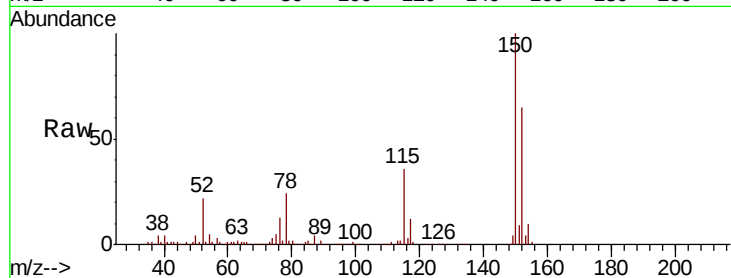


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Instrument :
BNA_F
ClientSampled :

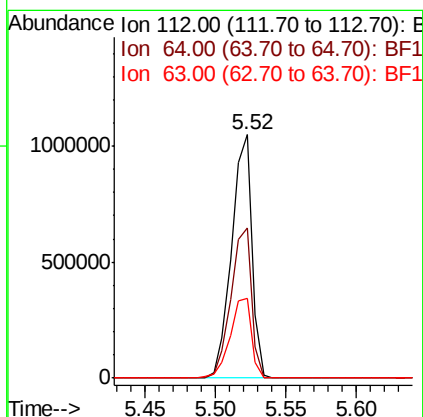
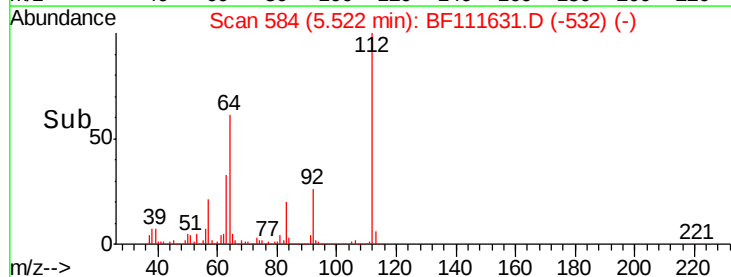
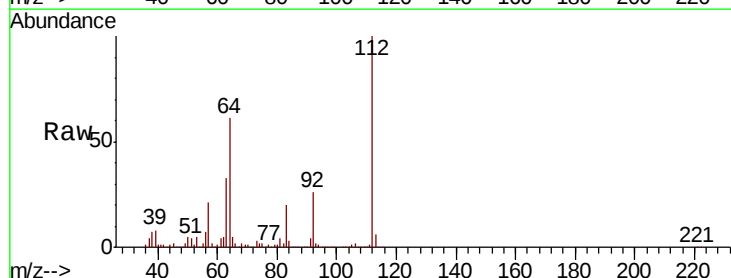
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.6	189.8
115	55.1	50.7	76.1

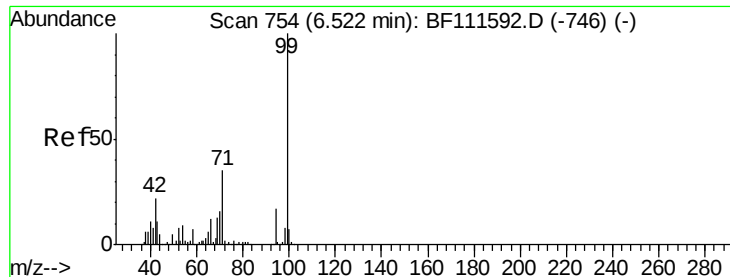


#5

2-Fluorophenol
Concen: 91.916 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	51.8	77.6
63	32.9	26.8	40.2





#7

Phenol-d6

Concen: 94.683 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111631.D

Acq: 20 Dec 2018 11:26

Instrument :

BNA_F

ClientSampleId :

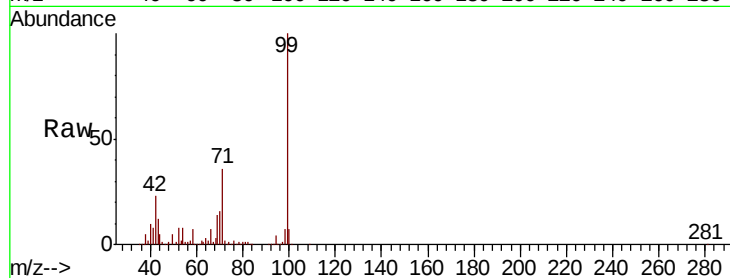
Tot Ion: 99 Resp: 1372373

Ion Ratio Lower Upper

99 100

42 22.6 17.4 26.0

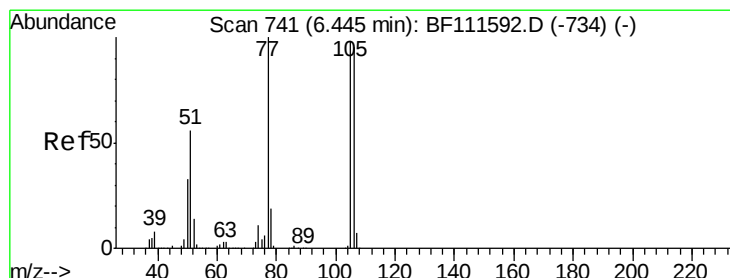
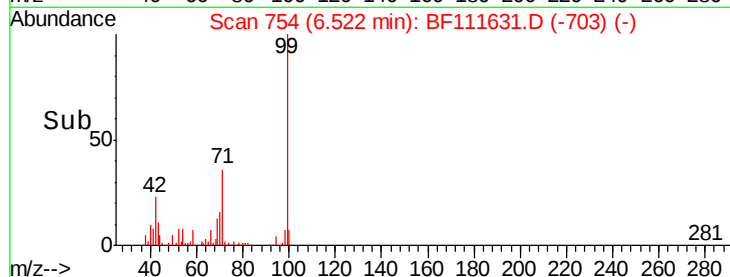
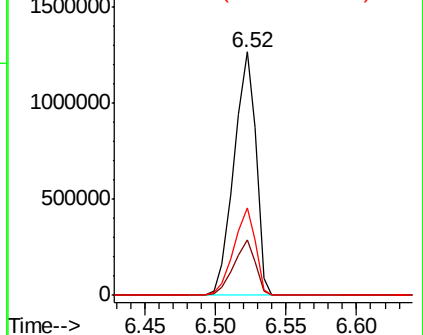
71 36.1 26.1 39.1



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: 3.355 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF111631.D

Acq: 20 Dec 2018 11:26

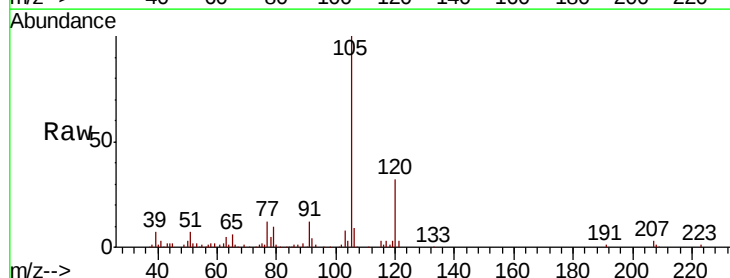
Tgt Ion: 77 Resp: 33449

Ion Ratio Lower Upper

77 100

105 801.0 81.4 121.4#

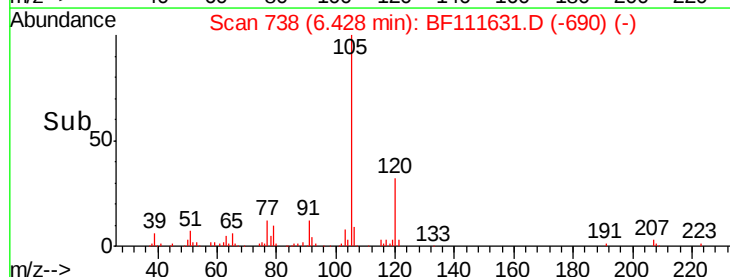
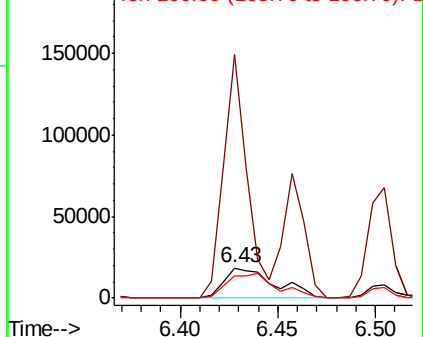
106 72.2 77.9 117.9#

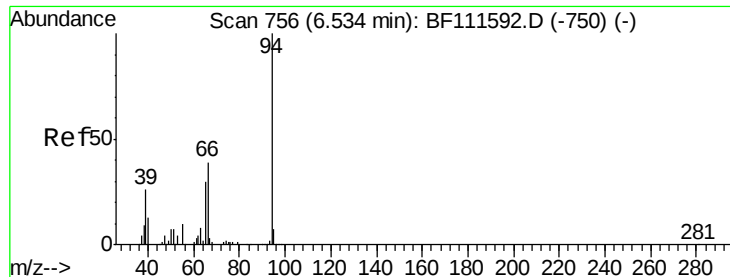


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

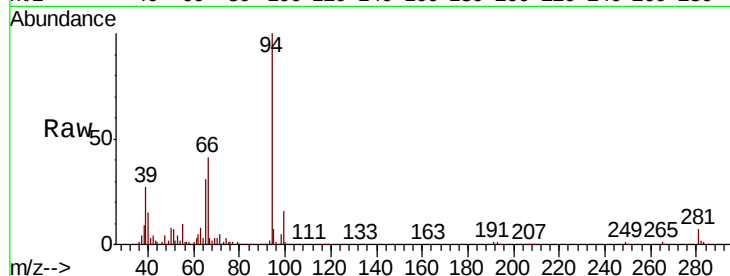




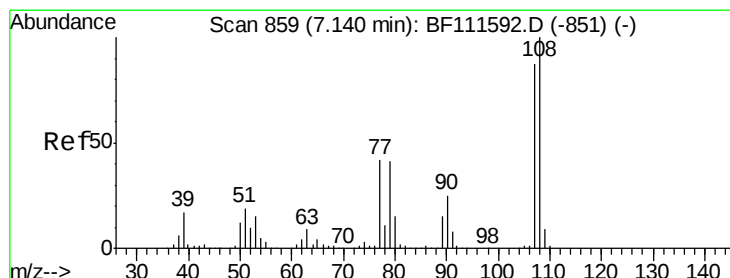
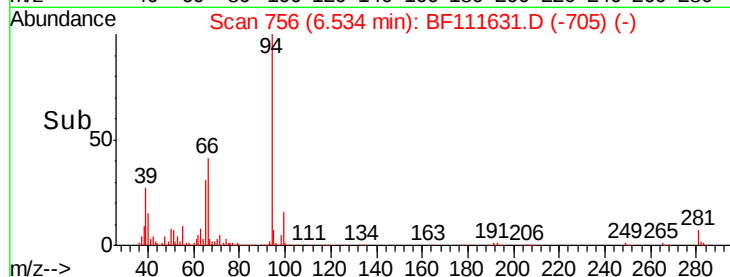
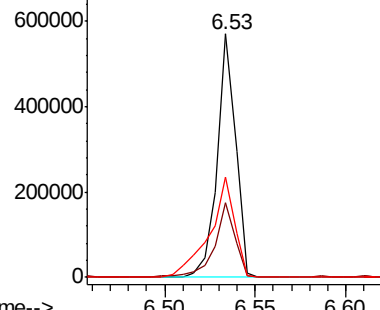
#10
Phenol
Concen: 24.434 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.00 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
94	100		
65	30.8	11.7	51.7
66	41.1	21.0	61.0



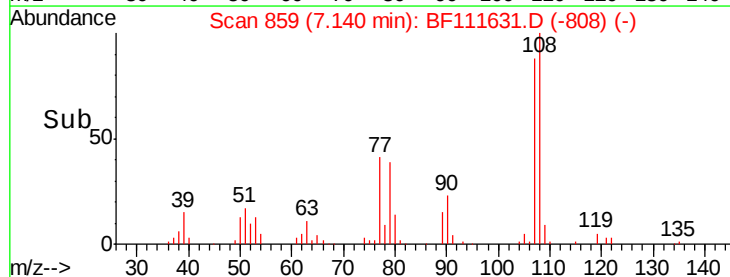
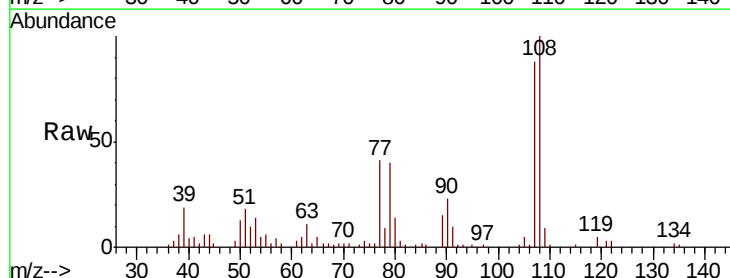
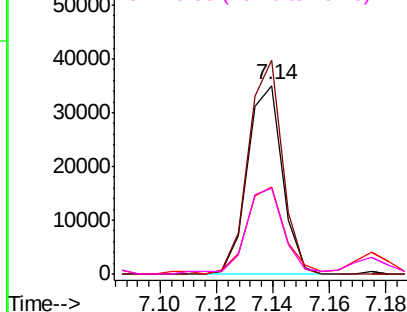
Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

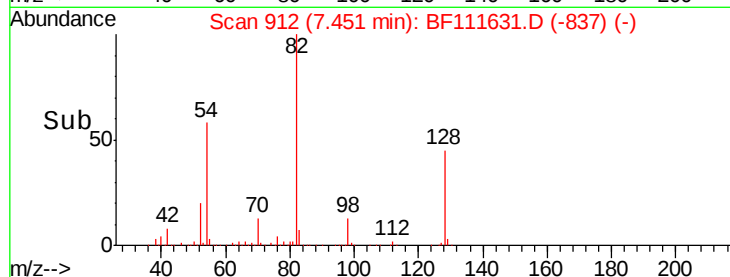
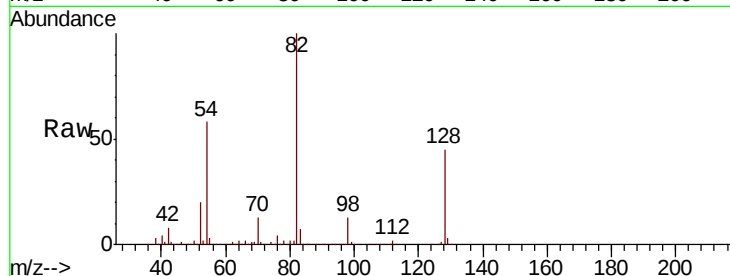
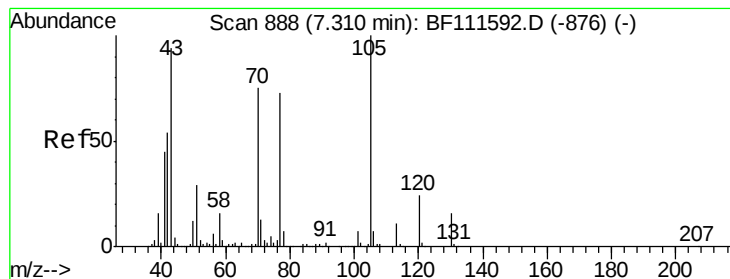


#17
2-Methylphenol
Concen: 2.978 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.00 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
107	100		
108	113.4	91.0	136.4
77	46.5	33.5	50.3
79	45.6	33.3	49.9

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





#19

n-Nitroso-di-n-propylamine

Concen: 11.773 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF111631.D

Acq: 20 Dec 2018 11:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 113327

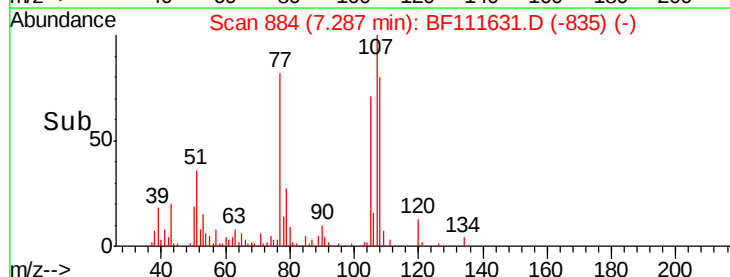
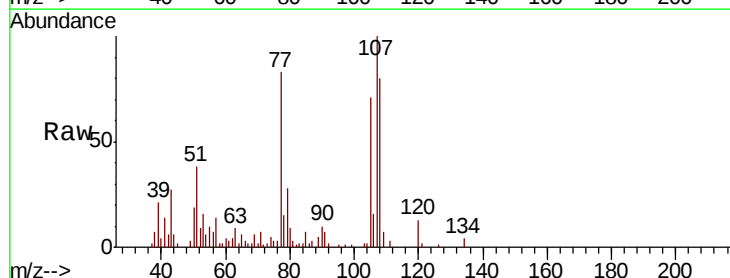
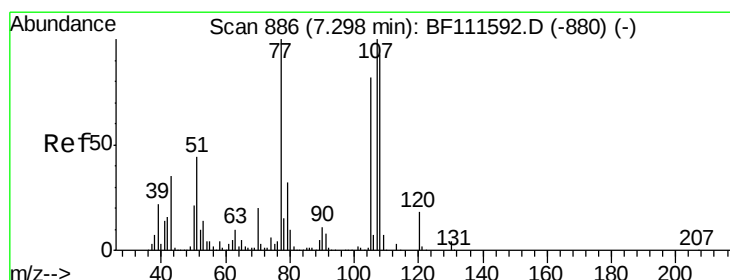
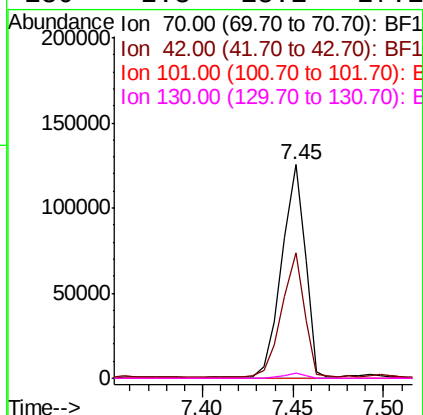
Ion Ratio Lower Upper

70 100

42 58.5 53.2 79.8

101 0.0 8.2 12.4#

130 2.3 18.1 27.1#



#20

3+4-Methylphenols

Concen: 2.378 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF111631.D

Acq: 20 Dec 2018 11:26

Tgt Ion:107 Resp: 30349

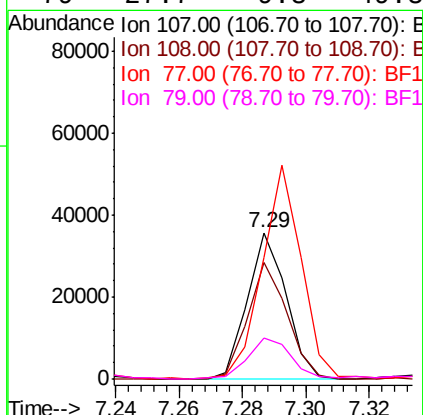
Ion Ratio Lower Upper

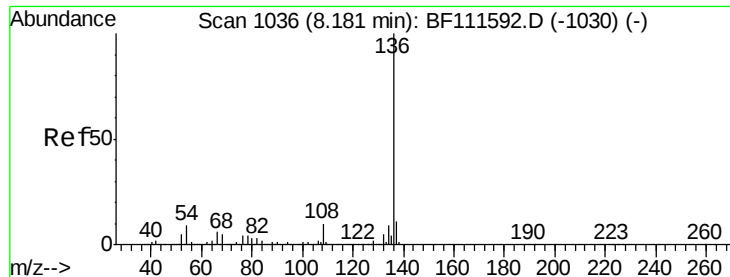
107 100

108 79.8 72.1 112.1

77 83.2 94.1 134.1#

79 27.7 9.8 49.8

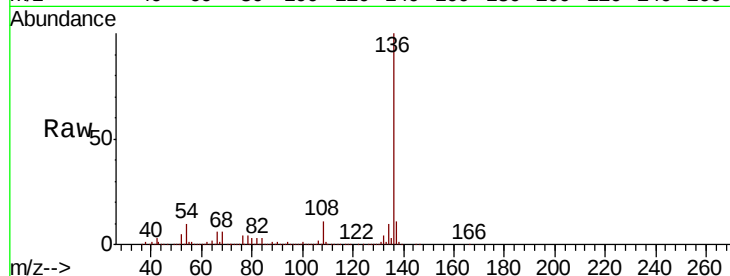




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	739846	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	9.1	13.7	
54 9.7	7.7	11.5	
68 5.9	4.9	7.3	



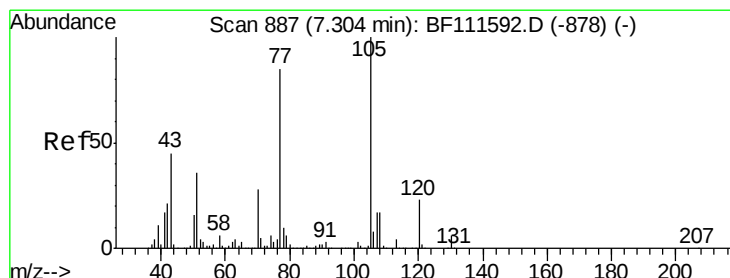
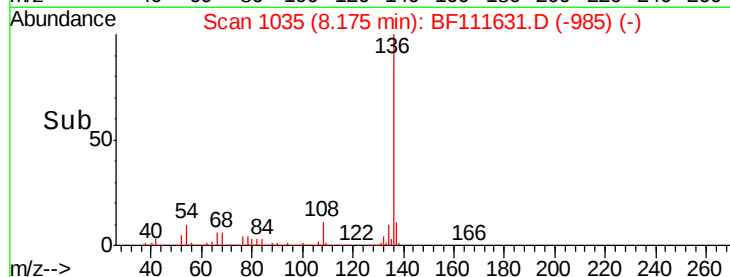
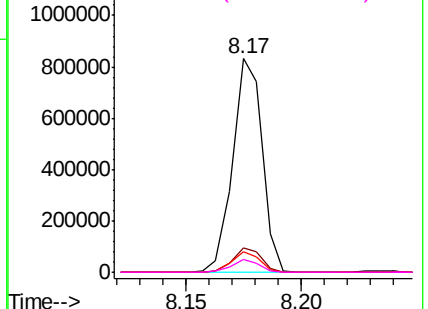
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

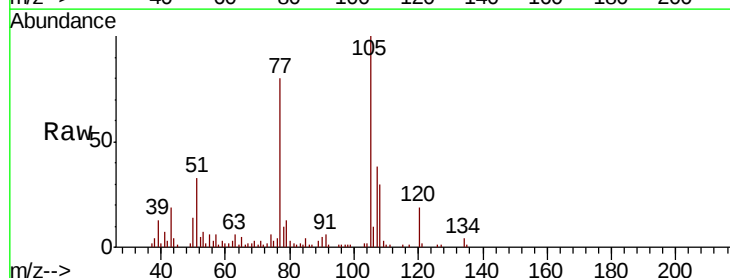
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 2.796 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Tgt	Ion:105	Resp:	52414
Ion	Ratio	Lower	Upper
105	100		
71	3.3	3.1	4.7
51	33.4	36.6	54.8#
120	19.0	18.2	27.4



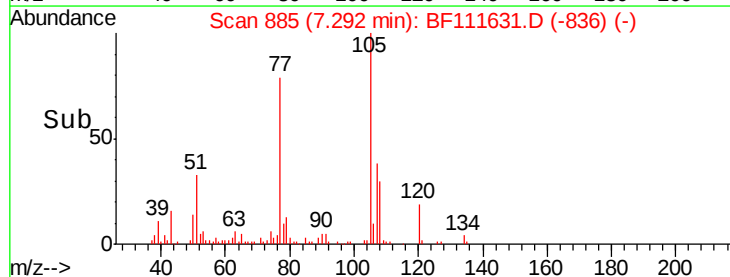
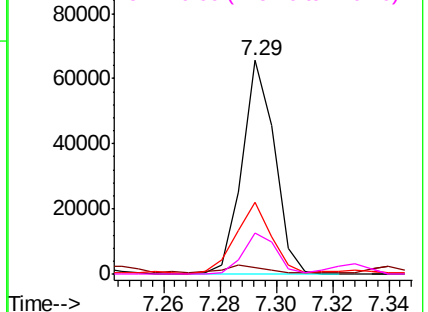
Abundance

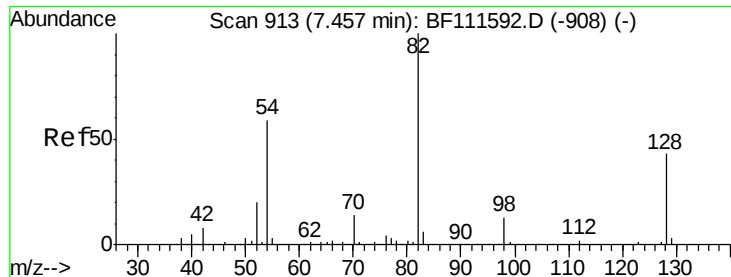
Ion 105.00 (104.70 to 105.70): E

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

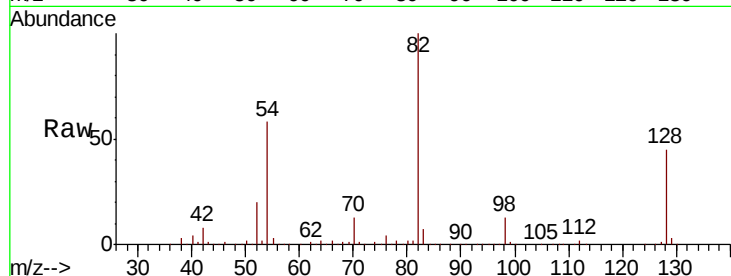




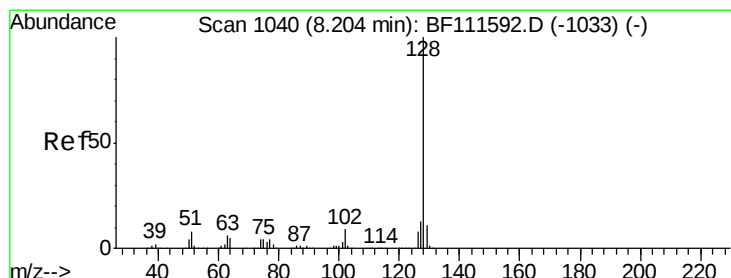
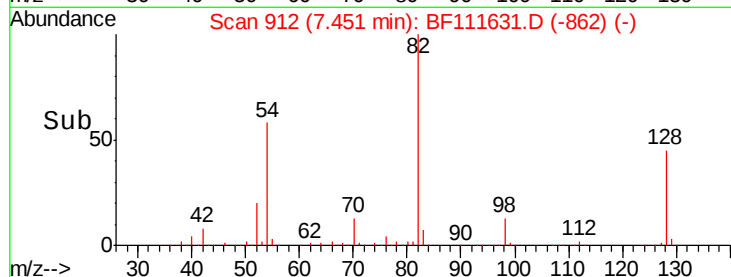
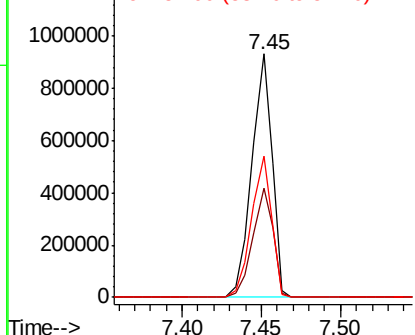
#23
Nitrobenzene-d5
Concen: 64.780 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Instrument :
BNA_F
ClientSampleID :

Tot Ion: 82 Resp: 823377
Ion Ratio Lower Upper
82 100
128 44.7 37.4 56.2
54 58.2 47.6 71.4

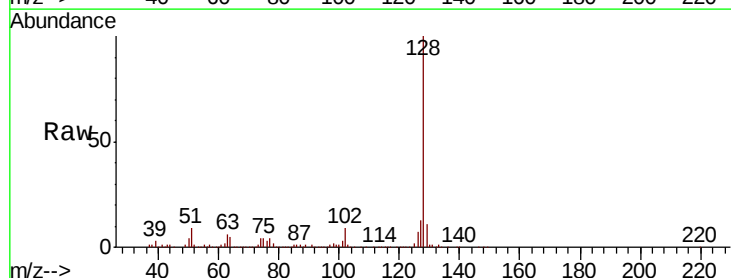


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

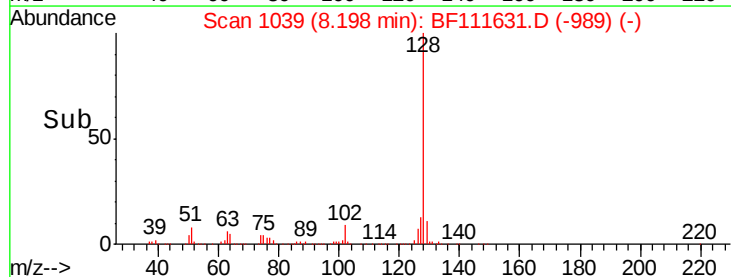
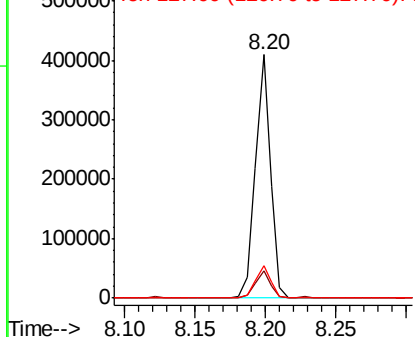


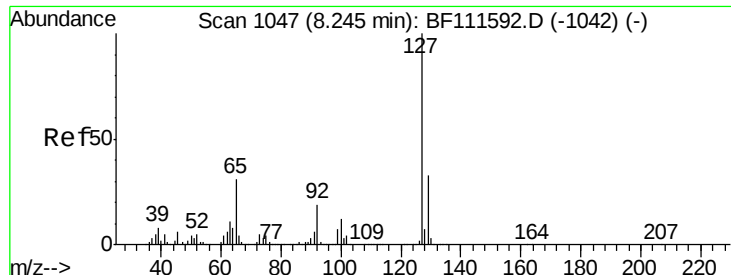
#31
Naphthalene
Concen: 8.732 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Tgt Ion: 128 Resp: 310426
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.8
127 13.4 12.0 18.0



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

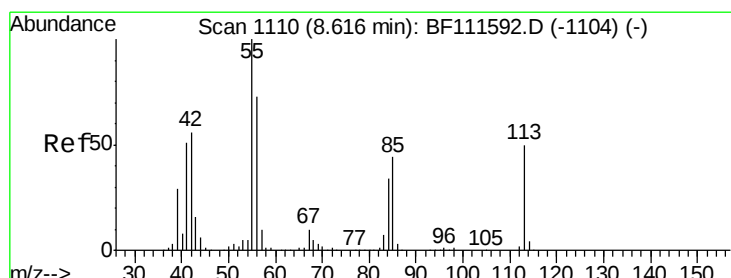
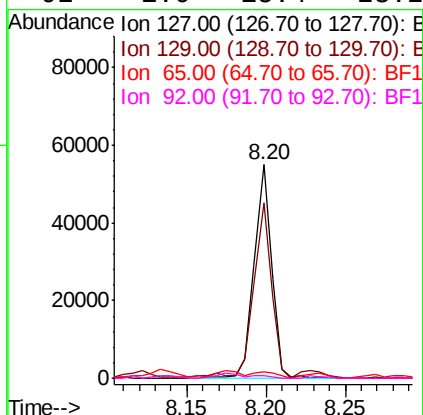
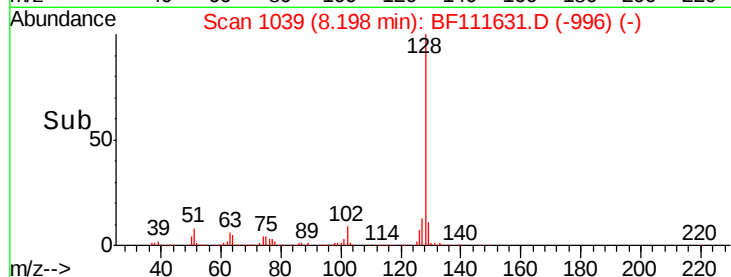
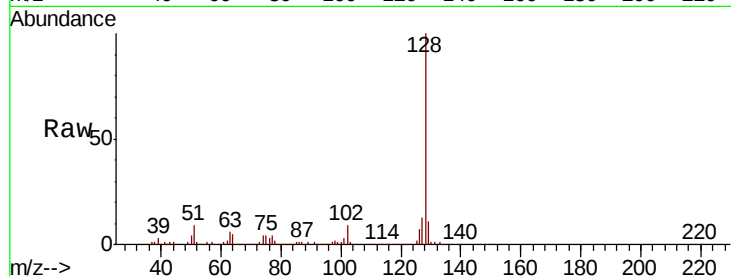




#33
4-Chloroaniline
Concen: 2.751 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

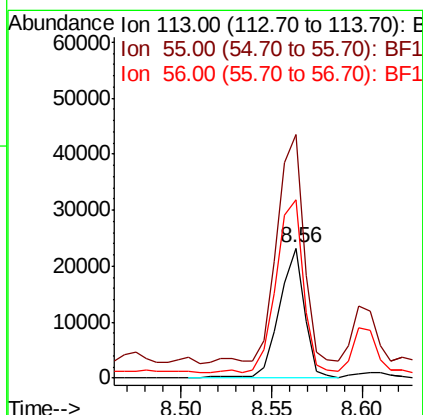
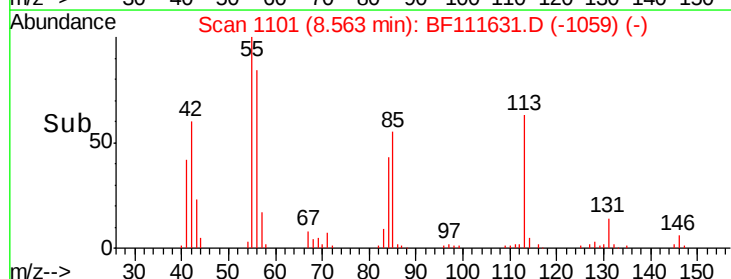
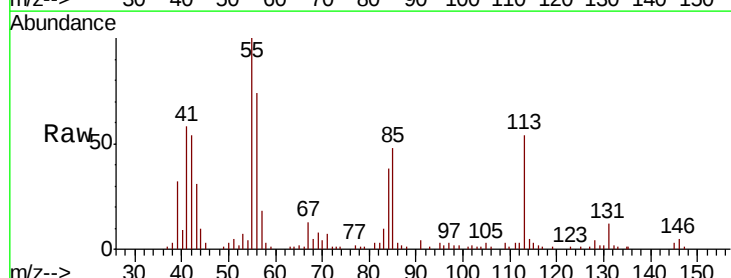
Instrument :
BNA_F
ClientSampleId :

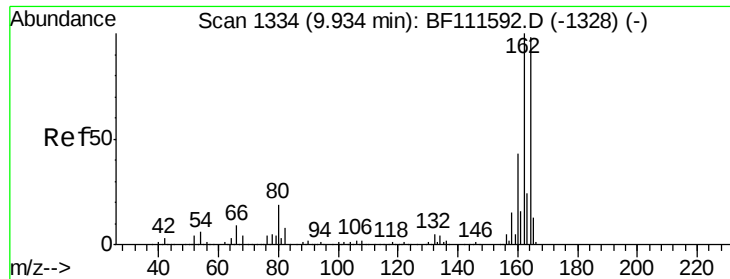
Tot Ion:	127	Resp:	42270
Ion	Ratio	Lower	Upper
127	100		
129	82.4	26.6	39.8#
65	3.1	25.7	38.5#
92	1.0	15.4	23.2#



#35
Caprolactam
Concen: 5.845 ng
RT: 8.56 min Scan# 1101
Delta R.T. -0.05 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Tgt Ion:	113	Resp:	22688
Ion	Ratio	Lower	Upper
113	100		
55	186.8	184.1	224.1
56	137.3	126.0	166.0

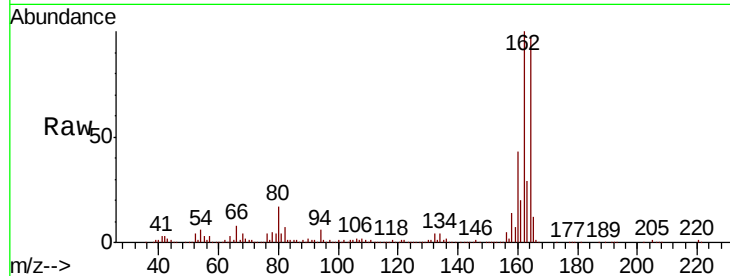




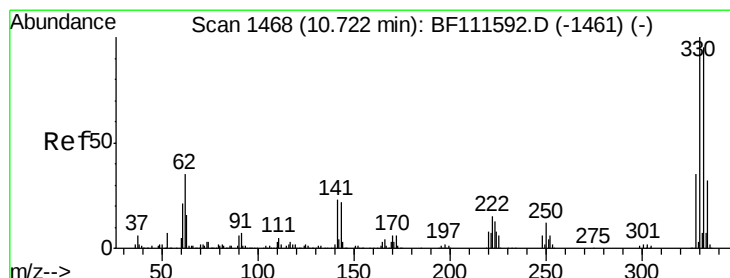
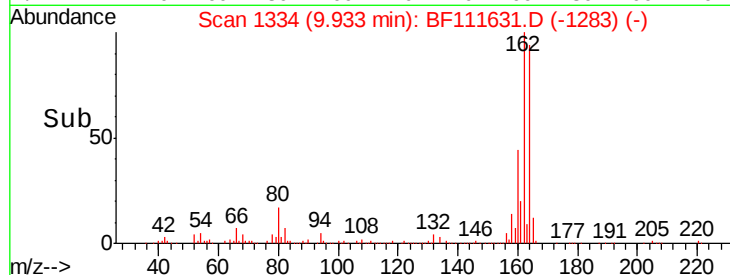
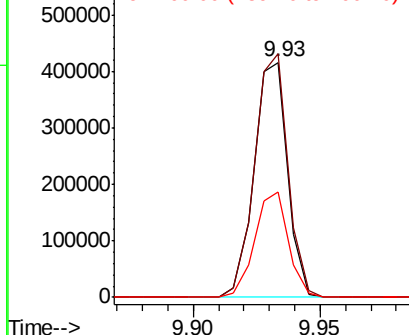
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 382902
Ion Ratio Lower Upper
164 100
162 103.6 81.4 122.0
160 45.0 35.7 53.5

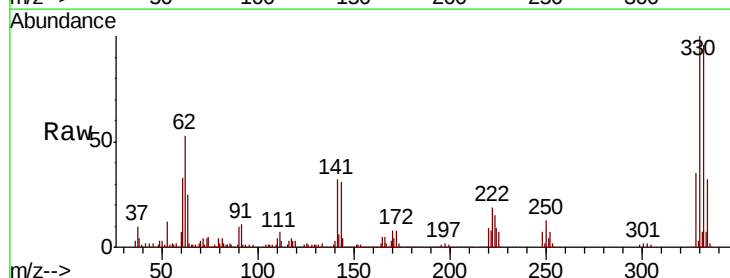


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

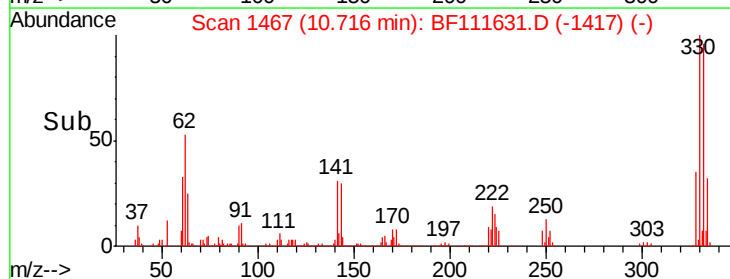
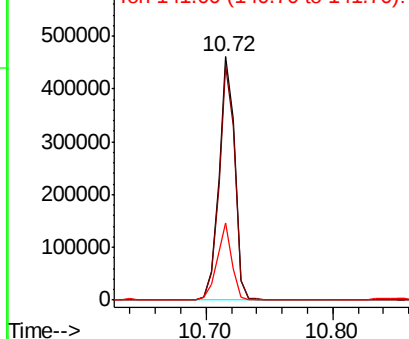


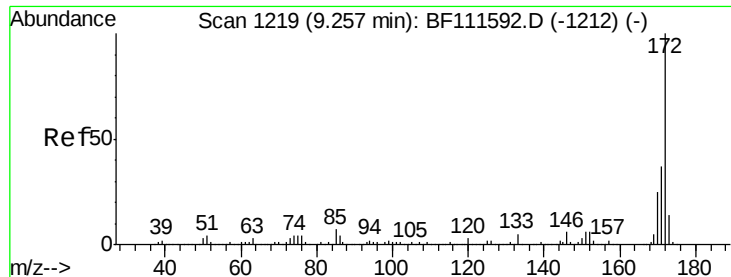
#42
2,4,6-Tribromophenol
Concen: 89.377 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Tgt Ion:330 Resp: 404368
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 29.6 31.0 46.6#



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

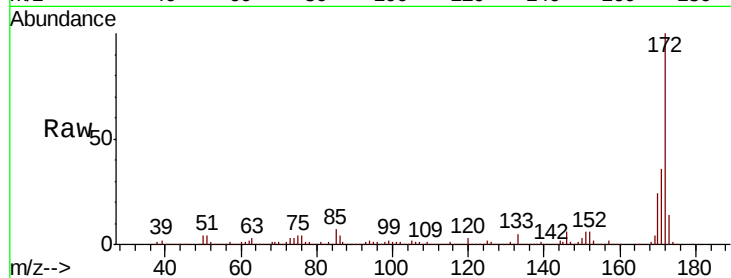




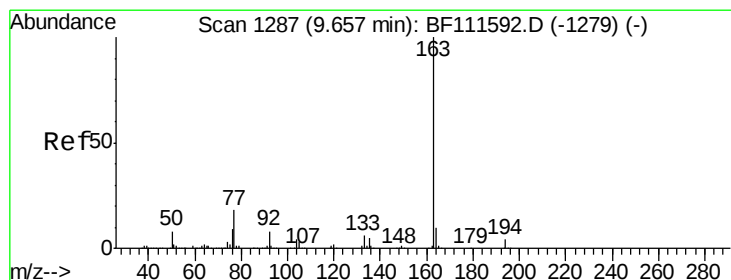
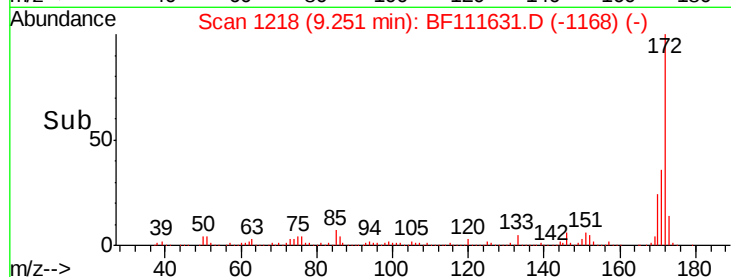
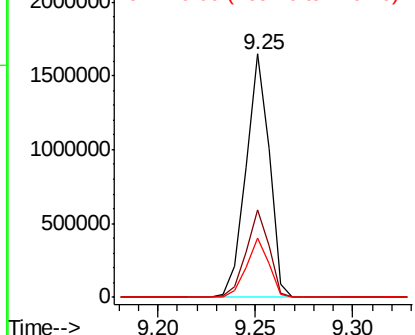
#45
2-Fluorobiphenyl
Concen: 51.796 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1360666
Ion Ratio Lower Upper
172 100
171 36.0 33.0 49.4
170 24.1 22.3 33.5

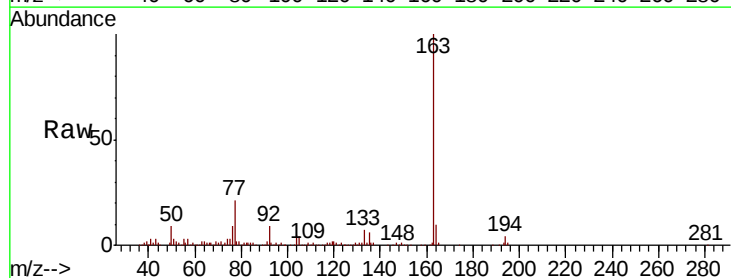


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

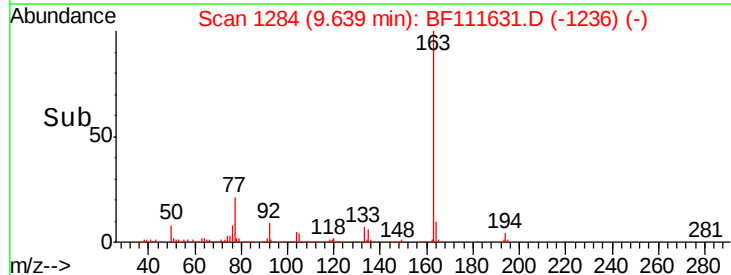
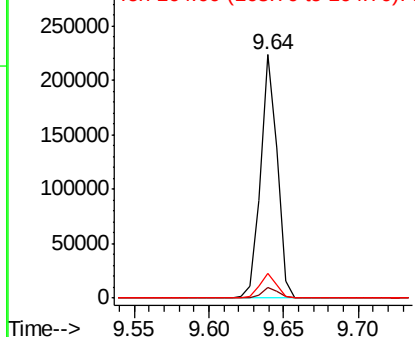


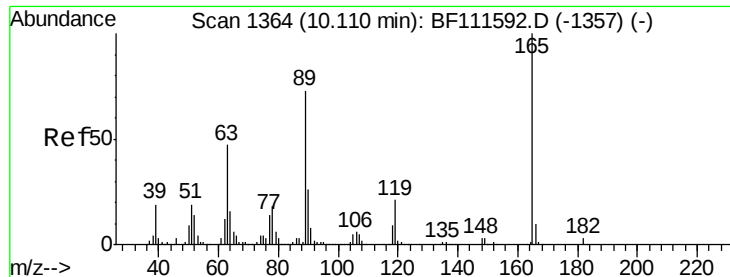
#50
Dimethylphthalate
Concen: 6.061 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Tgt Ion:163 Resp: 169708
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.6
164 10.0 8.9 13.3



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

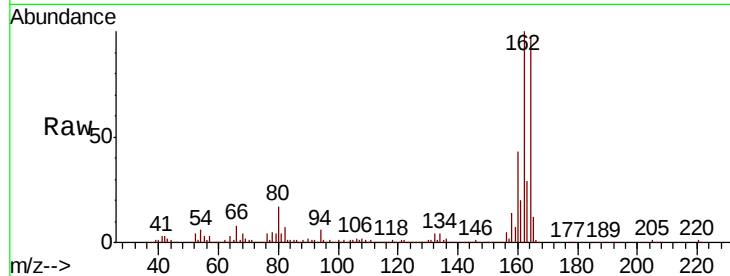




#57
2,4-Dinitrotoluene
Concen: 7.993 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.18 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	34.6	52.0#
89	2.3	56.2	84.4#
182	0.0	1.8	2.6#



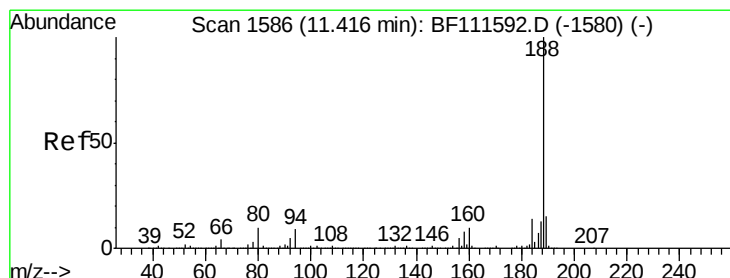
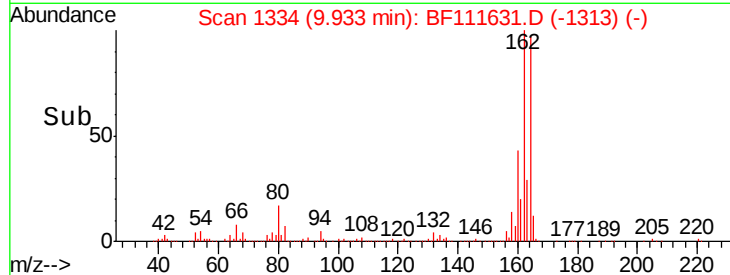
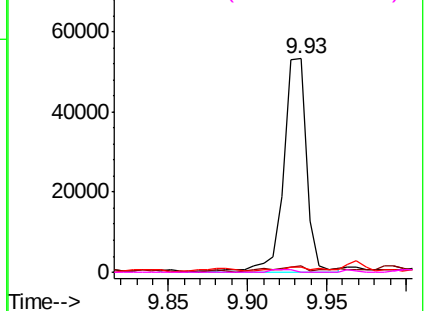
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

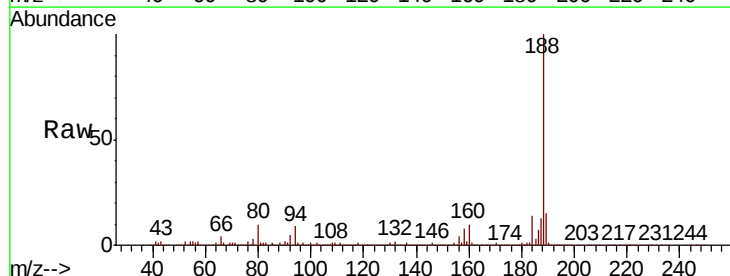
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.6	14.4#
80	10.0	9.8	14.6

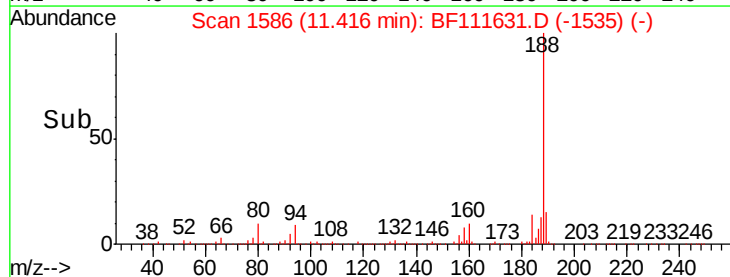
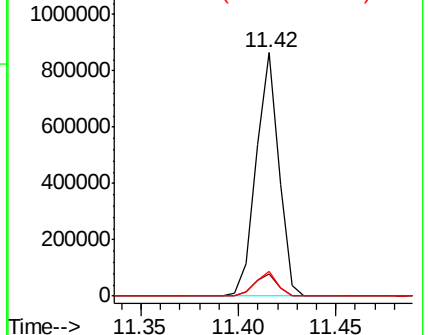


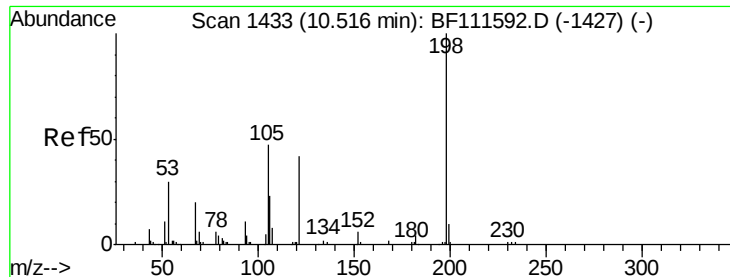
Abundance

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





#65

4,6-Dinitro-2-methylphenol

Concen: 6.959 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.20 min

Lab File: BF111631.D

Acq: 20 Dec 2018 11:26

Instrument :

BNA_F

ClientSampleId :

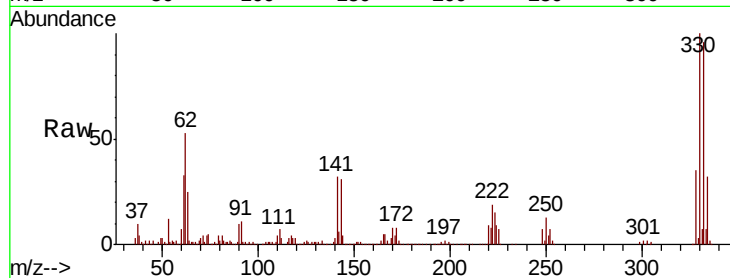
Tot Ion:198 Resp: 889

Ion Ratio Lower Upper

198 100

51 262.5 48.0 88.0#

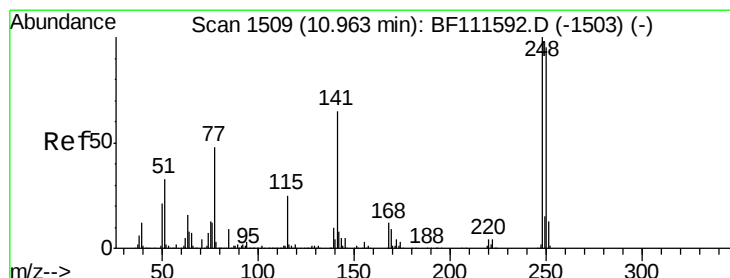
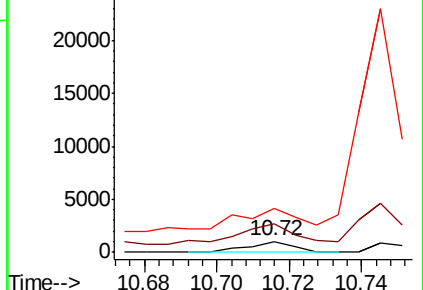
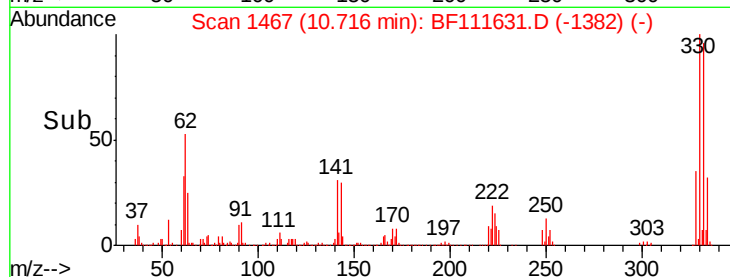
105 398.2 34.0 74.0#



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



#67

4-Bromophenyl-phenylether

Concen: 2.935 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.25 min

Lab File: BF111631.D

Acq: 20 Dec 2018 11:26

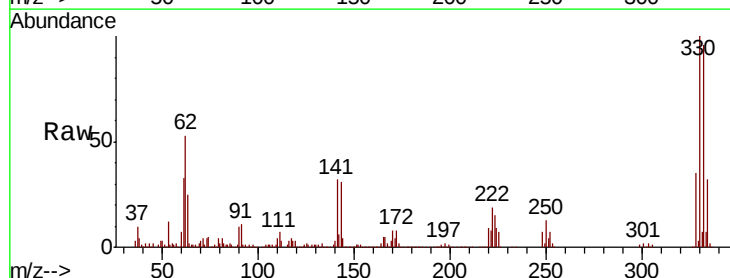
Tgt Ion:248 Resp: 25352

Ion Ratio Lower Upper

248 100

250 198.3 77.0 115.4#

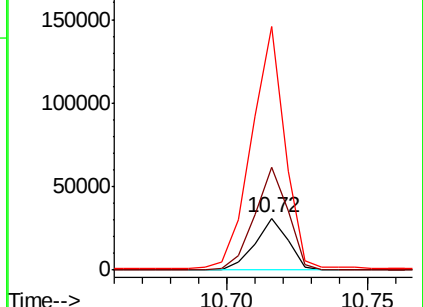
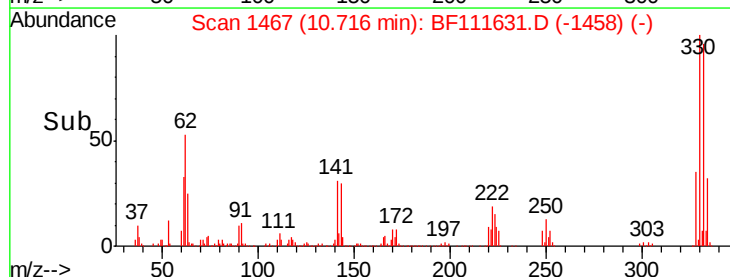
141 471.2 63.0 94.6#

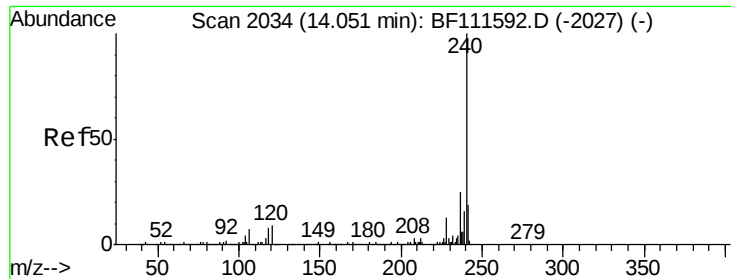


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

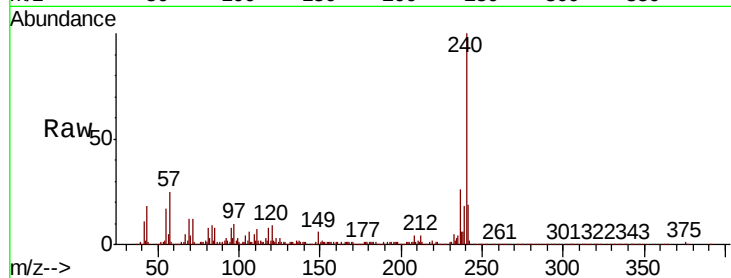




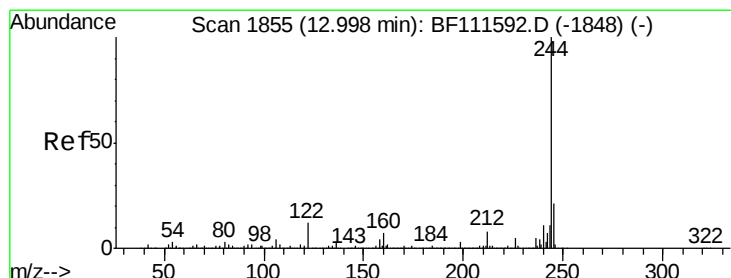
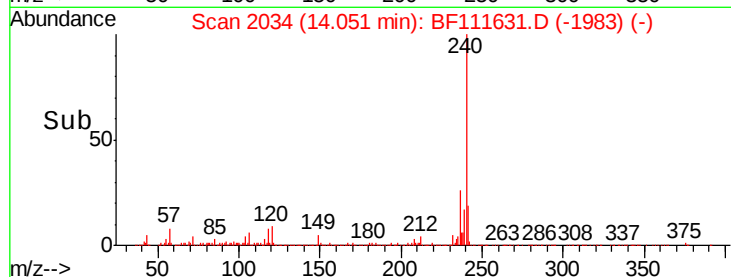
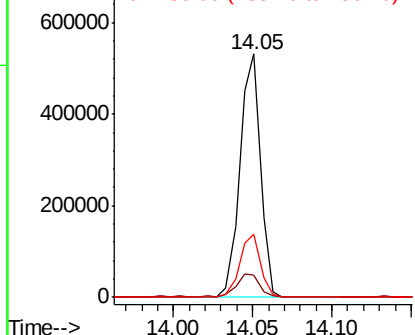
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 475558
Ion Ratio Lower Upper
240 100
120 9.1 12.2 18.2#
236 26.1 20.2 30.2

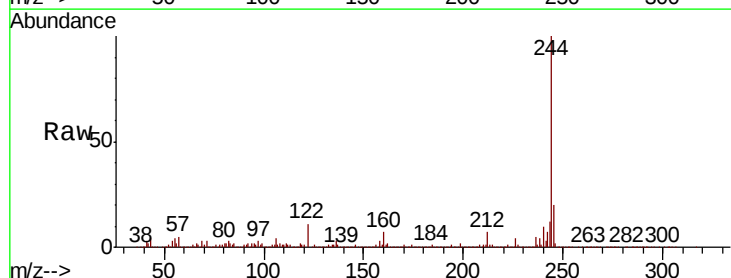


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

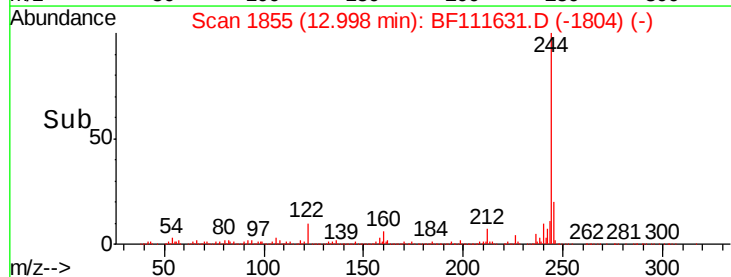
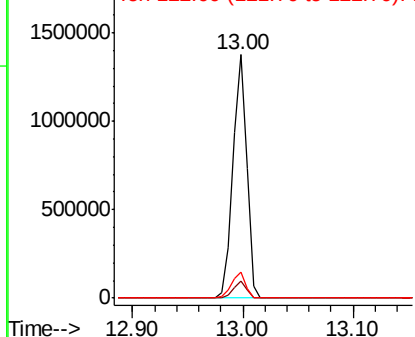


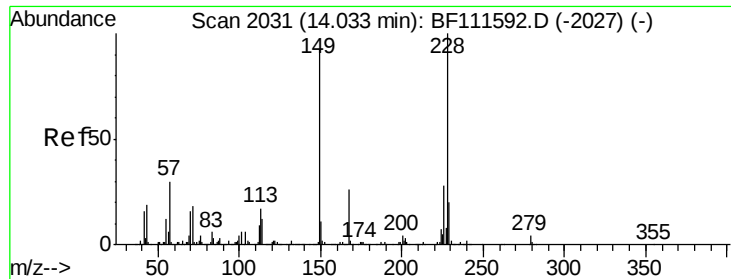
#79
Terphenyl-d14
Concen: 48.475 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Tgt Ion:244 Resp: 1215603
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 10.6 13.1 19.7#



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 47.869 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111631.D

Acq: 20 Dec 2018 11:26

Instrument :

BNA_F

ClientSampleId :

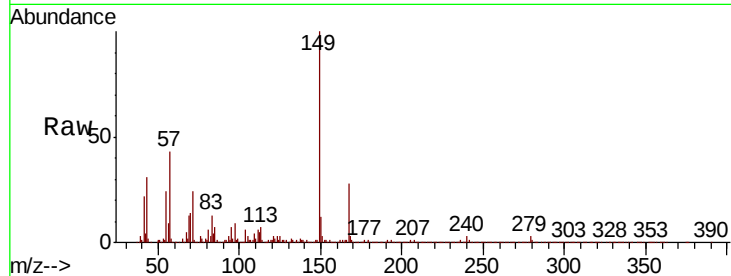
Tot Ion:149 Resp: 825402

Ion Ratio Lower Upper

149 100

167 28.4 22.5 33.7

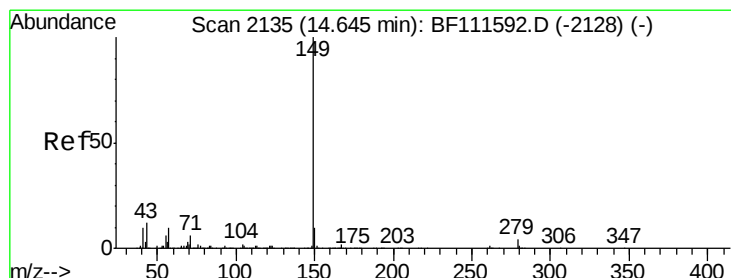
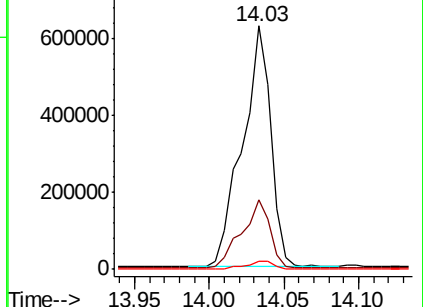
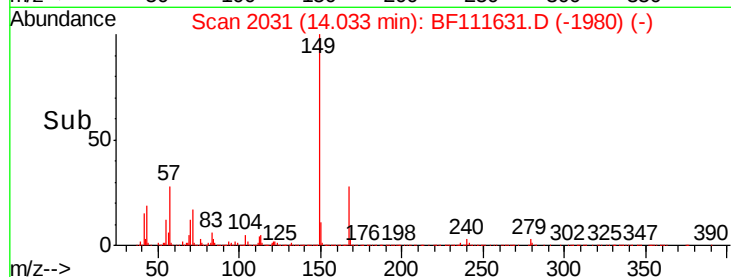
279 3.2 2.6 4.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 4.265 ng

RT: 14.65 min Scan# 2136

Delta R.T. 0.01 min

Lab File: BF111631.D

Acq: 20 Dec 2018 11:26

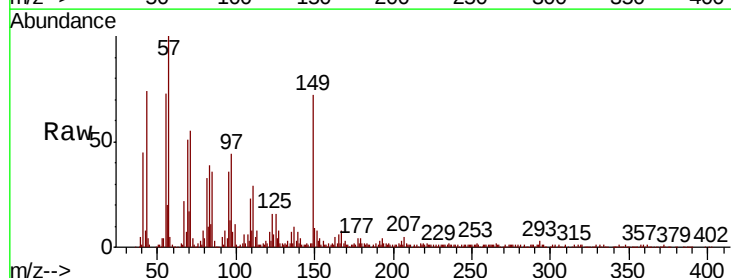
Tgt Ion:149 Resp: 113947

Ion Ratio Lower Upper

149 100

167 9.4 1.3 1.9#

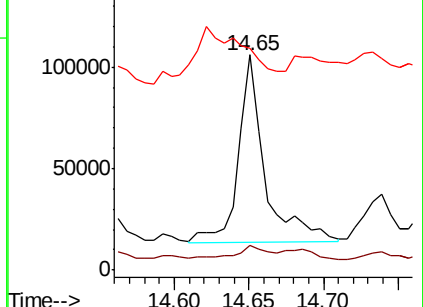
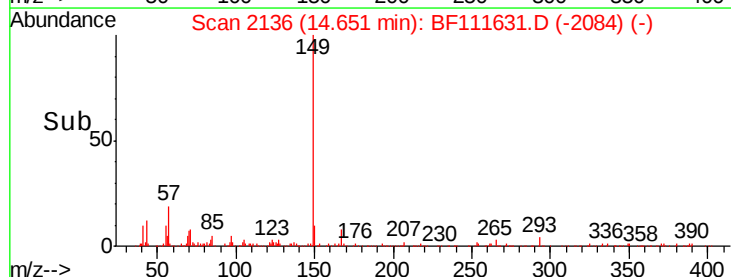
43 0.0 10.9 16.3#

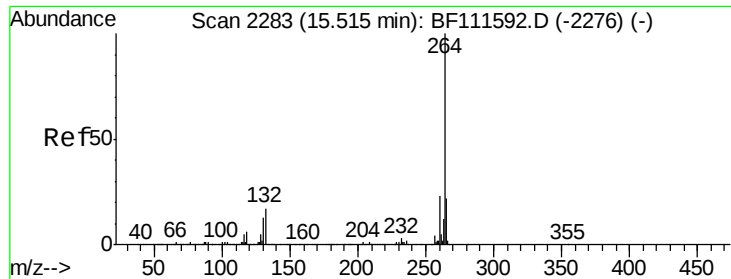


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

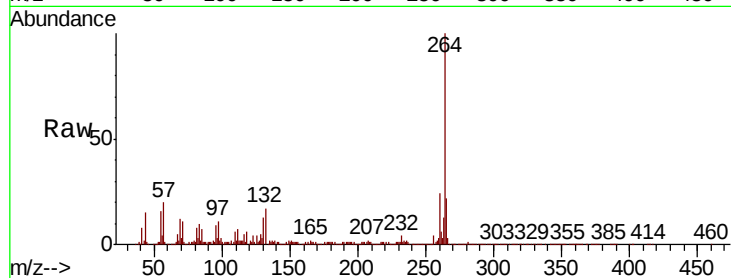




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF111631.D
Acq: 20 Dec 2018 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	22.0	17.7	26.5



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

