

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122718\
 Data File : BF111756.D
 Acq On : 27 Dec 2018 12:29
 Operator : JU/SJ
 Sample : J6446-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS021-1218-01

Quant Time: Dec 28 00:12:06 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	144087	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	508638	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	218953	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	342255	20.00	ng	0.00
76) Chrysene-d12	14.07	240	323063	20.00	ng	0.02
87) Perylene-d12	15.56	264	257201	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	757015	89.55	ng	0.02
7) Phenol-d6	6.54	99	932605	86.69	ng	0.02
23) Nitrobenzene-d5	7.46	82	624449	71.46	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	217498	84.07	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1108321	73.78	ng	0.00
79) Terphenyl-d14	13.01	244	897670	52.69	ng	0.01

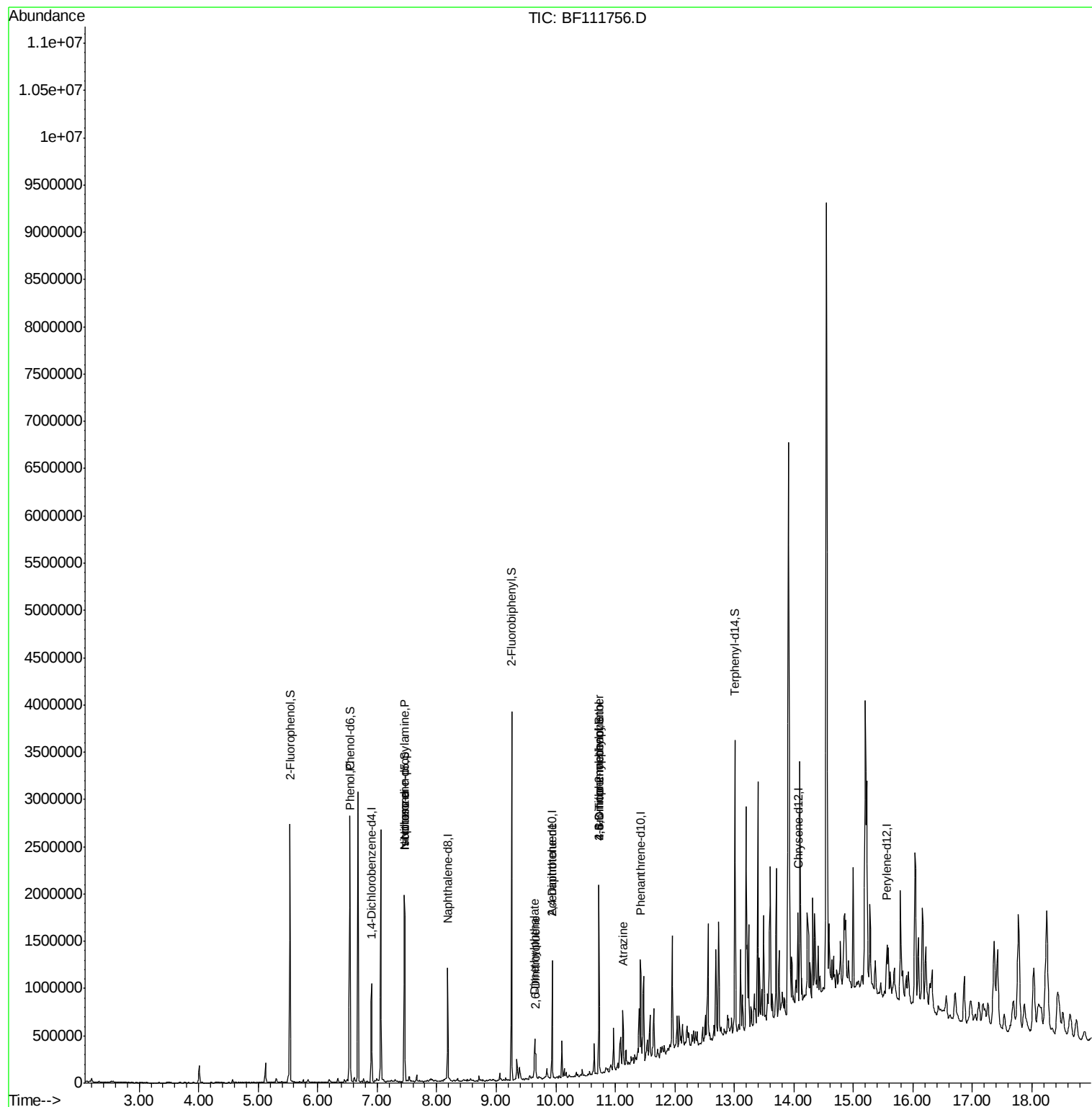
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	57473	4.735	ng	96
19) n-Nitroso-di-n-propylamine	7.46	70	87226	12.209	ng	# 80
25) Isophorone	7.46	82	621884	40.088	ng	# 64
50) Dimethylphthalate	9.65	163	138981	8.680	ng	98
51) 2,6-Dinitrotoluene	9.66	165	7143	2.237	ng	# 80
57) 2,4-Dinitrotoluene	9.94	165	28320	7.380	ng	# 26
65) 4,6-Dinitro-2-methylphenol	10.73	198	424	6.951	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	14379	3.387	ng	# 1
69) Atrazine	11.13	200	59141	14.818	ng	# 37

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

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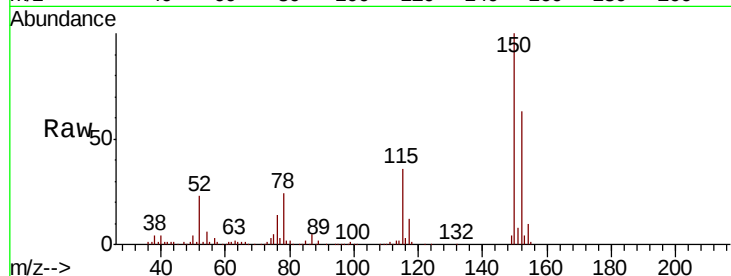


#1

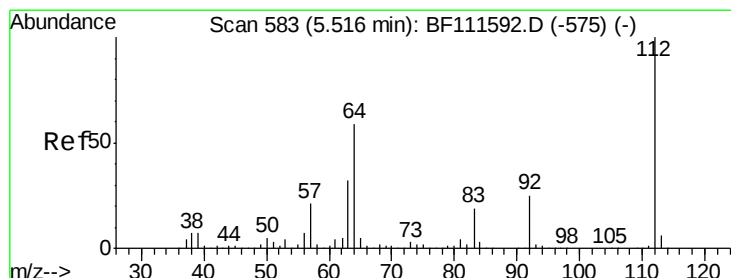
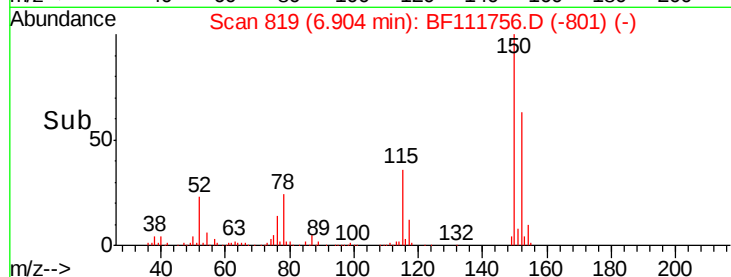
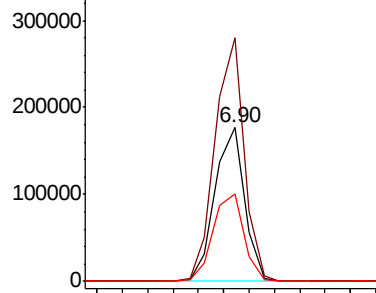
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111756.D
Acq: 27 Dec 2018 12:29

Instrument :
BNA_F
ClientSampleId :
P001-SS021-1218-01

Tgt Ion:152 Resp: 144087
Ion Ratio Lower Upper
152 100
150 158.2 126.6 189.8
115 57.2 50.7 76.1



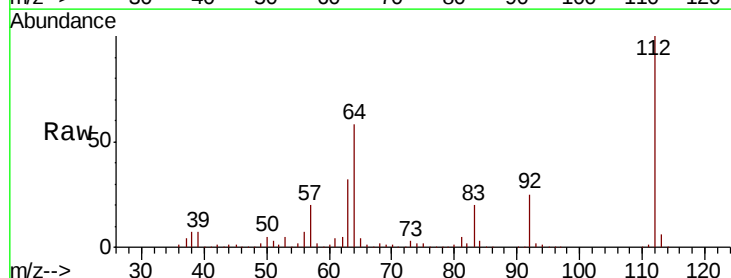
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



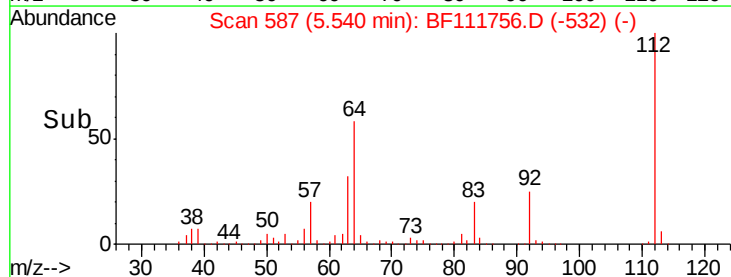
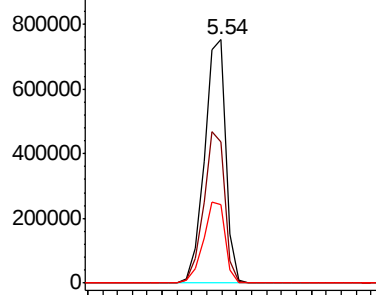
#5

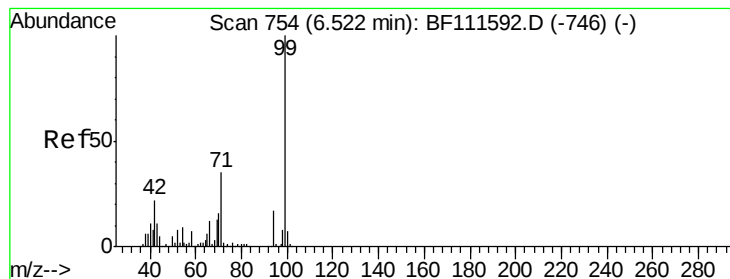
2-Fluorophenol
Concen: 89.554 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111756.D
Acq: 27 Dec 2018 12:29

Tgt Ion:112 Resp: 757015
Ion Ratio Lower Upper
112 100
64 58.0 51.8 77.6
63 32.4 26.8 40.2



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: 86.690 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

Instrument :

BNA_F

ClientSampleId :

P001-SS021-1218-01

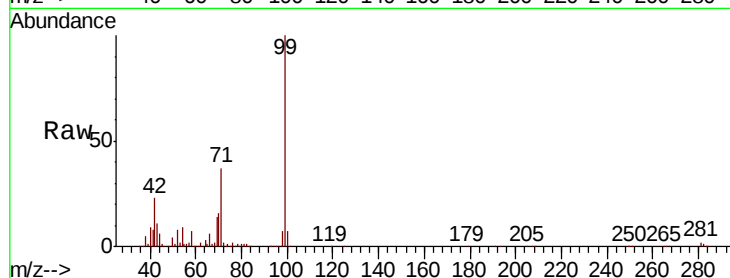
Tgt Ion: 99 Resp: 932605

Ion Ratio Lower Upper

99 100

42 23.0 17.4 26.0

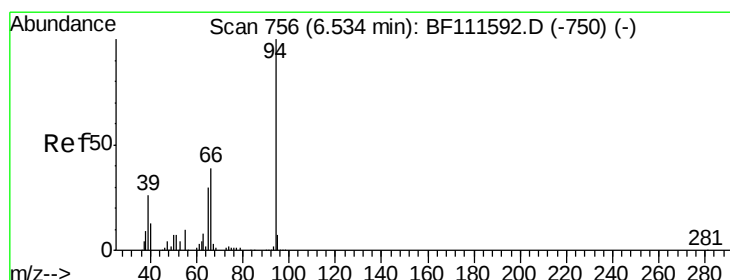
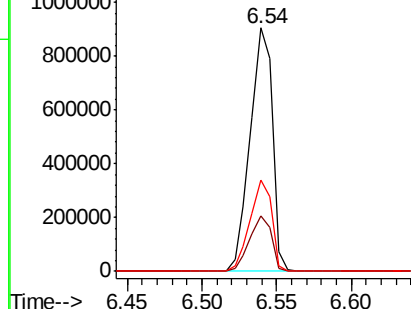
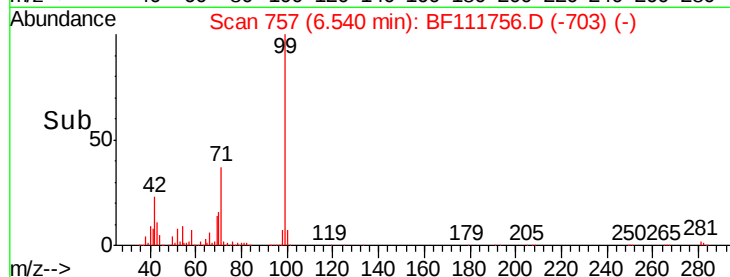
71 37.4 26.1 39.1



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



#10

Phenol

Concen: 4.735 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

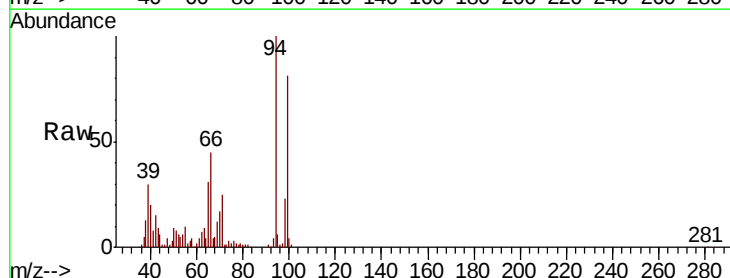
Tgt Ion: 94 Resp: 57473

Ion Ratio Lower Upper

94 100

65 31.2 11.7 51.7

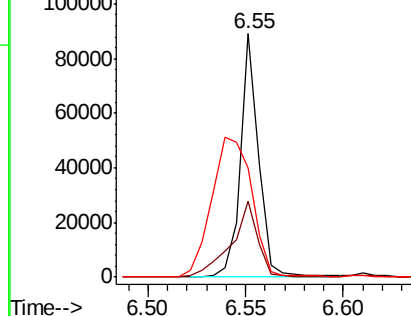
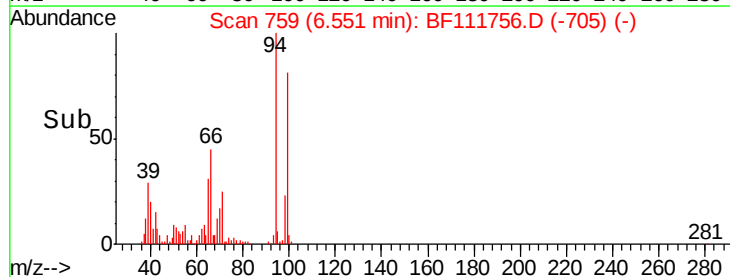
66 44.8 21.0 61.0



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

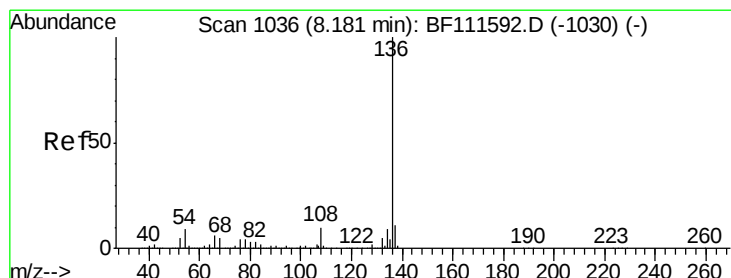
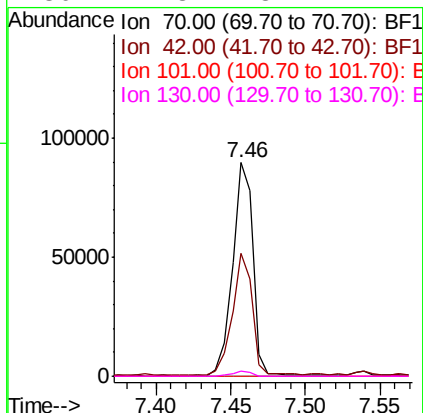
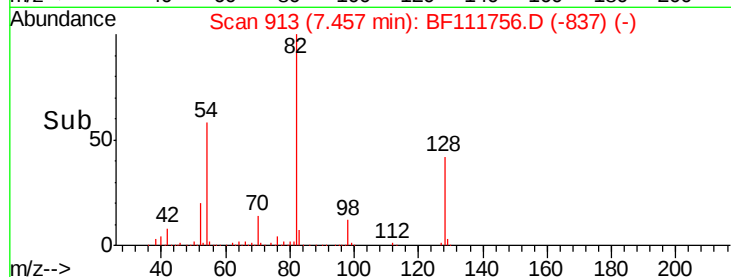
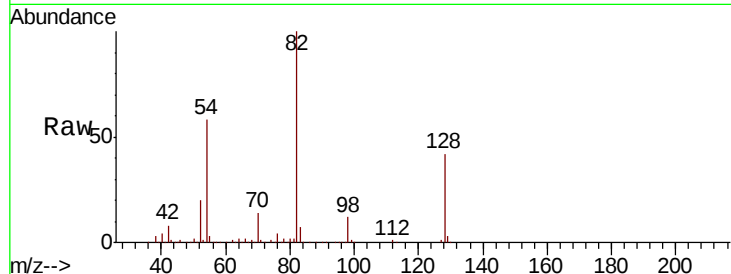




#19
n-Nitroso-di-n-propylamine
Concen: 12.209 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111756.D
Acq: 27 Dec 2018 12:29

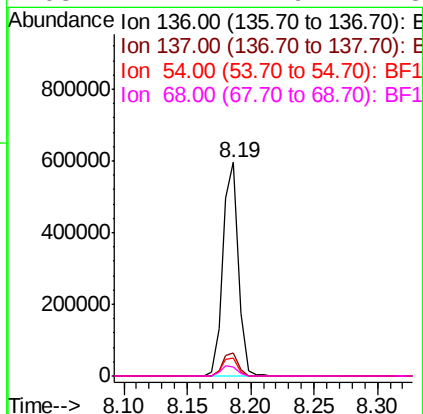
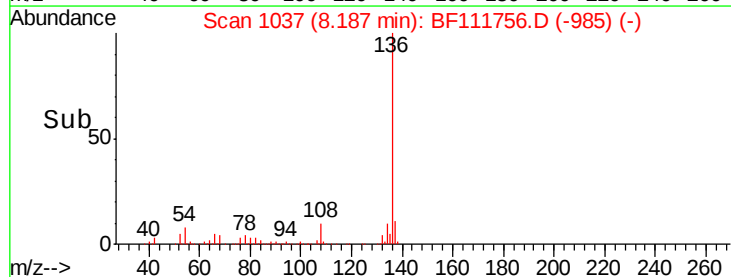
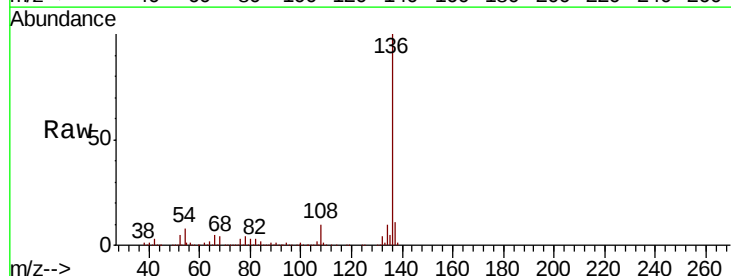
Instrument :
BNA_F
ClientSampleId :
P001-SS021-1218-01

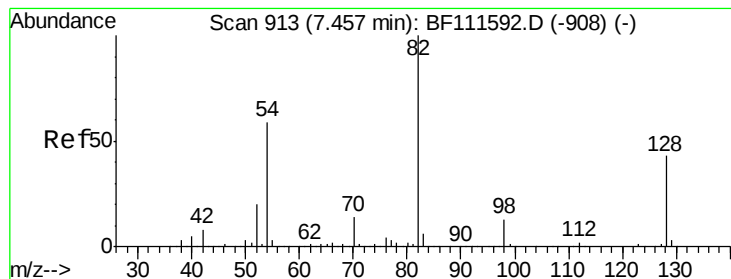
Tgt Ion: 70 Resp: 87226
Ion Ratio Lower Upper
70 100
42 57.4 53.2 79.8
101 0.0 8.2 12.4#
130 2.3 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111756.D
Acq: 27 Dec 2018 12:29

Tgt Ion: 136 Resp: 508638
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 8.2 7.7 11.5
68 4.4 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 71.461 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

Instrument :

BNA_F

ClientSampleId :

P001-SS021-1218-01

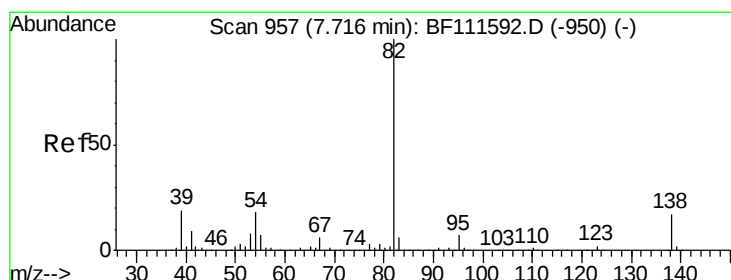
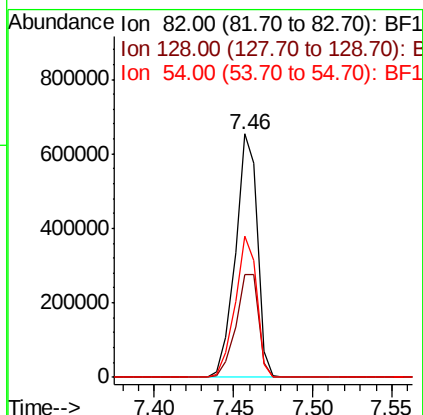
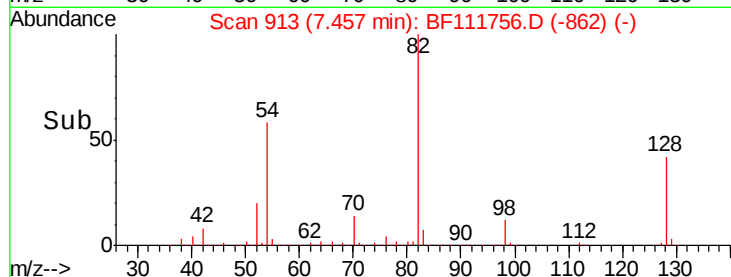
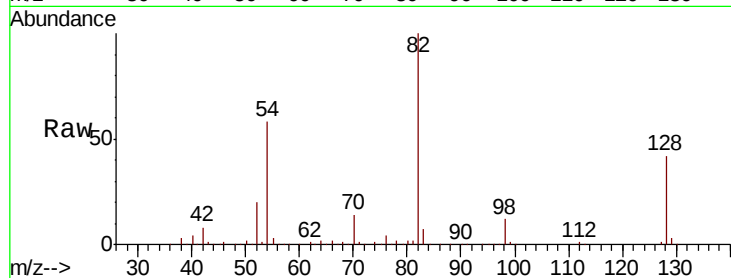
Tgt Ion: 82 Resp: 624449

Ion Ratio Lower Upper

82 100

128 42.3 37.4 56.2

54 58.1 47.6 71.4



#25

Isophorone

Concen: 40.088 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

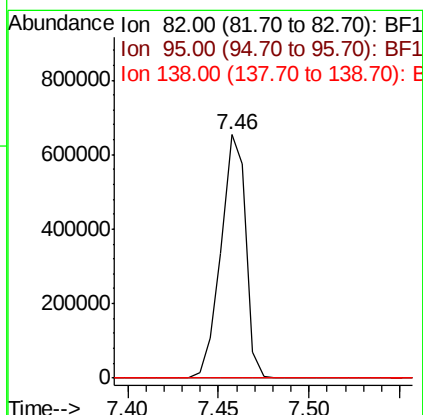
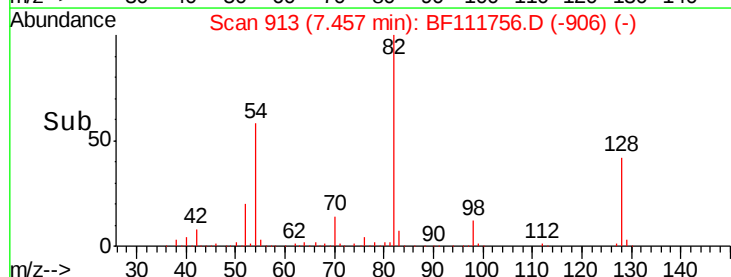
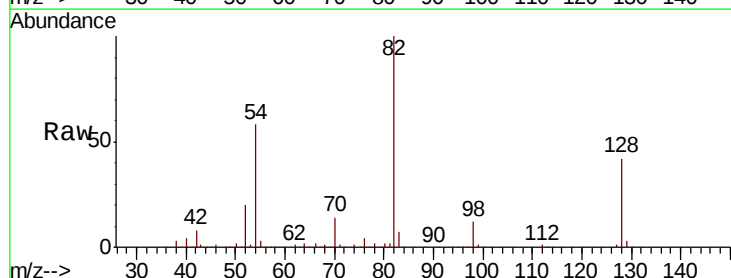
Tgt Ion: 82 Resp: 621884

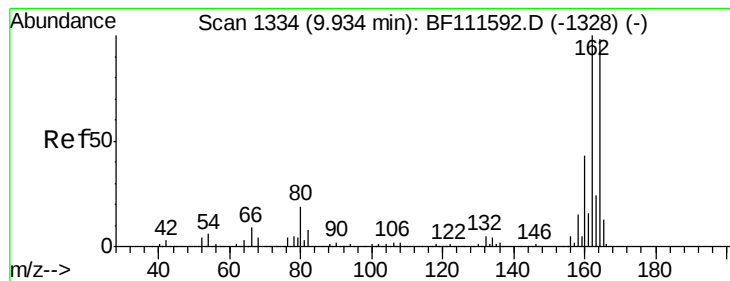
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

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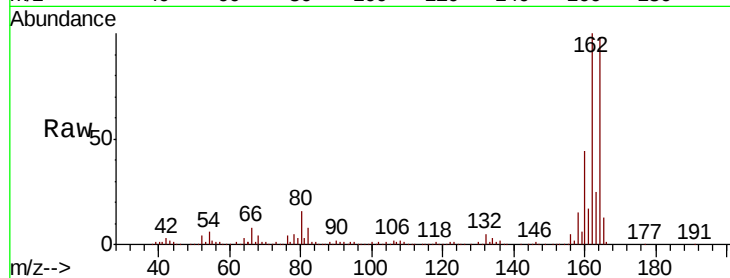
Tgt Ion:164 Resp: 218953

Ion Ratio Lower Upper

164 100

162 101.7 81.4 122.0

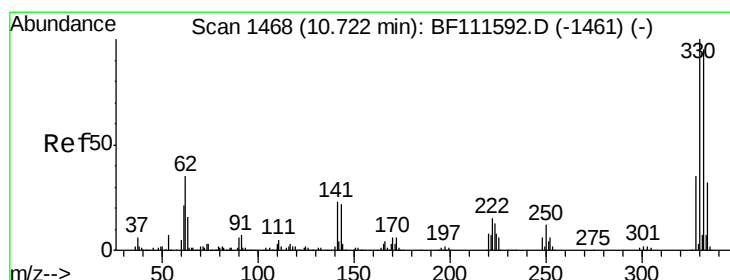
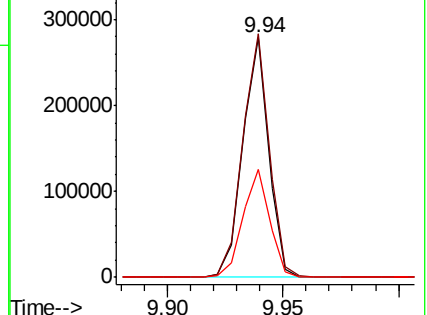
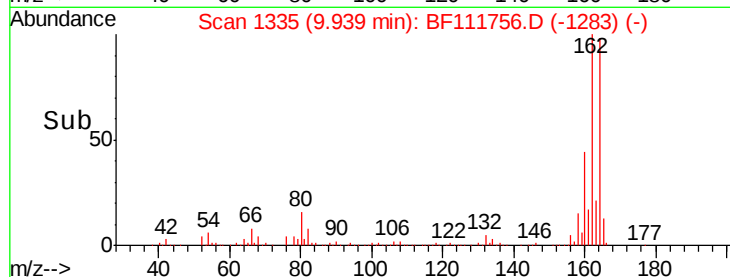
160 45.1 35.7 53.5



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: 84.070 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

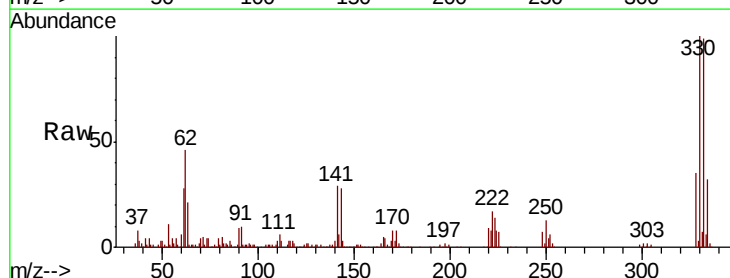
Tgt Ion:330 Resp: 217498

Ion Ratio Lower Upper

330 100

332 97.3 76.0 114.0

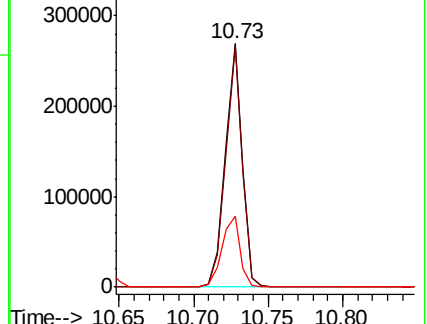
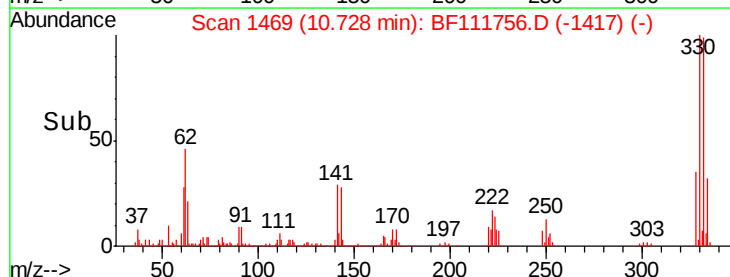
141 31.6 31.0 46.6

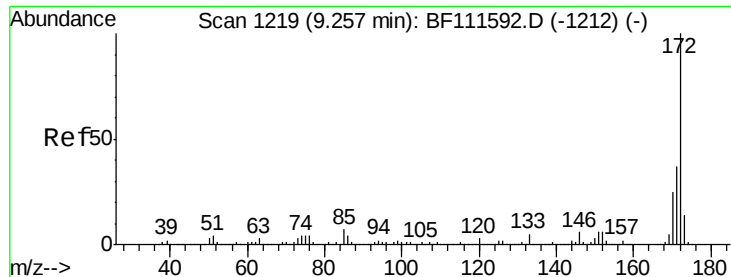


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

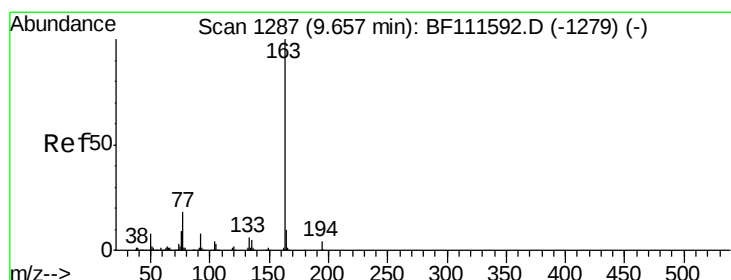
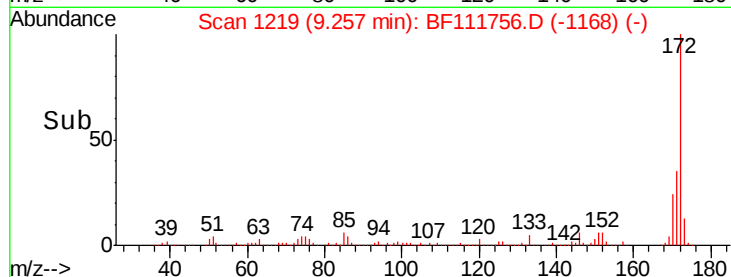
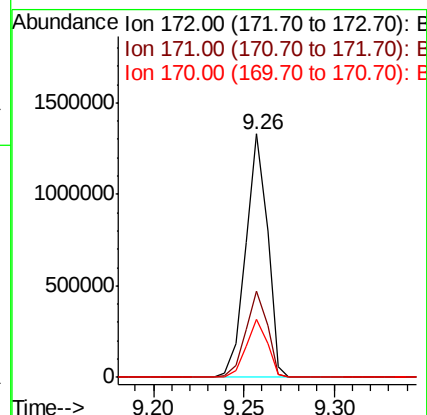
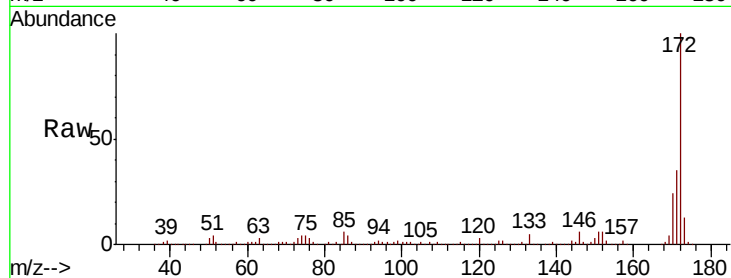




#45
2-Fluorobiphenyl
Concen: 73.781 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111756.D
Acq: 27 Dec 2018 12:29

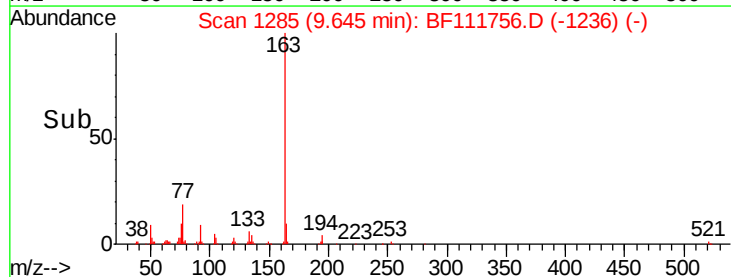
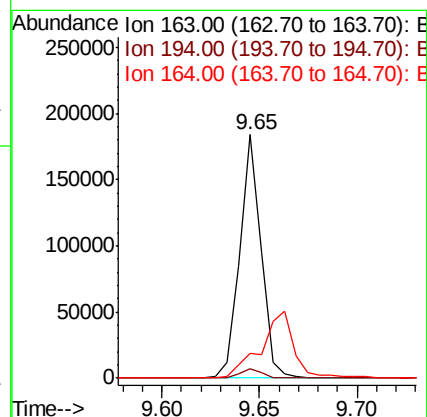
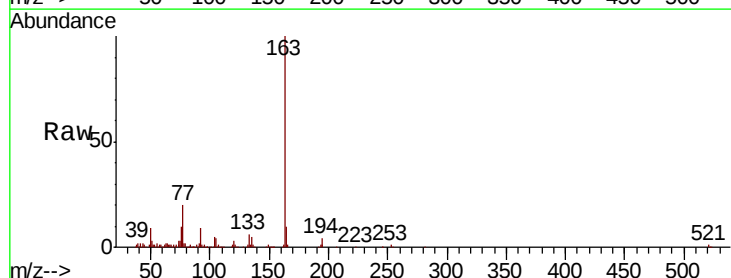
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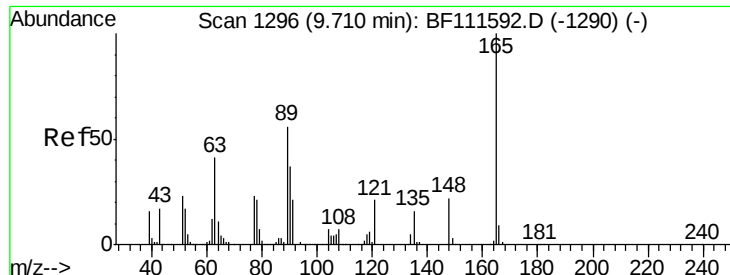
Tgt Ion:172 Resp: 1108321
Ion Ratio Lower Upper
172 100
171 35.3 33.0 49.4
170 23.6 22.3 33.5



#50
Dimethylphthalate
Concen: 8.680 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111756.D
Acq: 27 Dec 2018 12:29

Tgt Ion:163 Resp: 138981
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 9.9 8.9 13.3

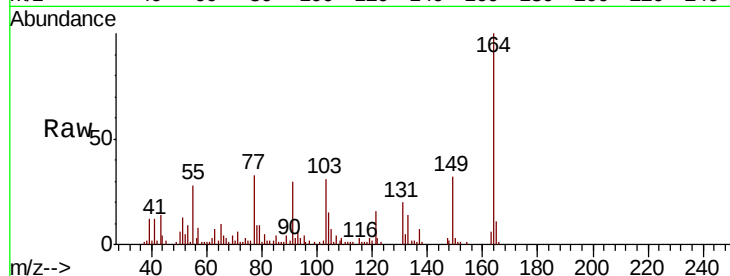




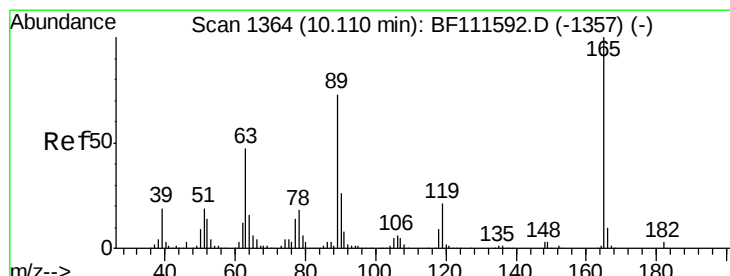
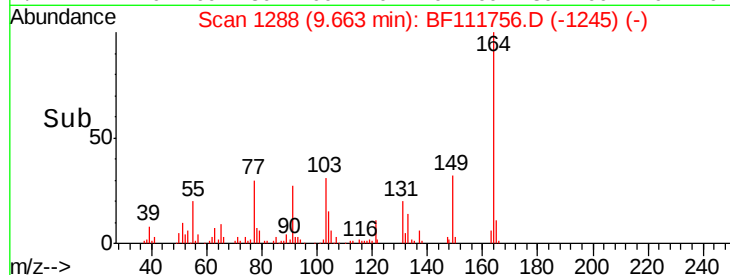
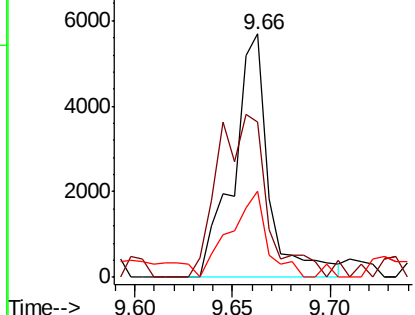
#51
 2,6-Dinitrotoluene
 Concen: 2.237 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.05 min
 Lab File: BF111756.D
 Acq: 27 Dec 2018 12:29

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS021-1218-01

Tgt Ion:165 Resp: 7143
 Ion Ratio Lower Upper
 165 100
 63 64.0 40.5 60.7#
 89 35.3 40.0 60.0#

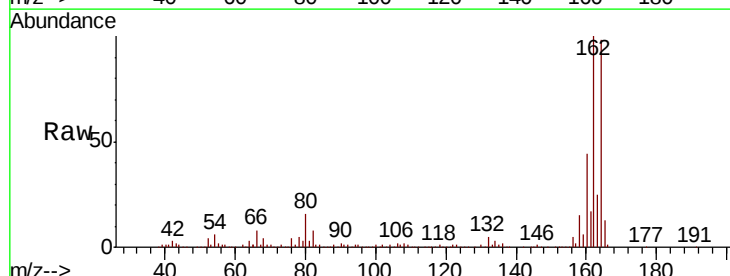


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

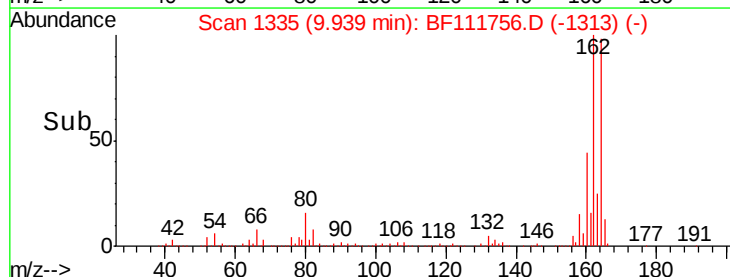
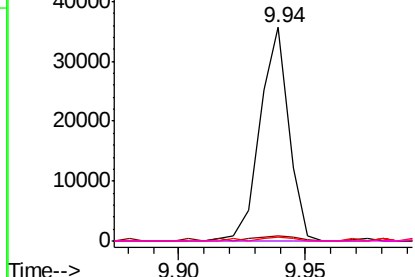


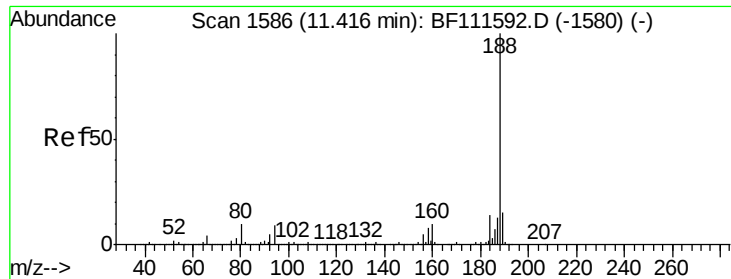
#57
 2,4-Dinitrotoluene
 Concen: 7.380 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF111756.D
 Acq: 27 Dec 2018 12:29

Tgt Ion:165 Resp: 28320
 Ion Ratio Lower Upper
 165 100
 63 2.3 34.6 52.0#
 89 2.0 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# 1587

Delta R.T. 0.01 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

Instrument :

BNA_F

ClientSampleId :

P001-SS021-1218-01

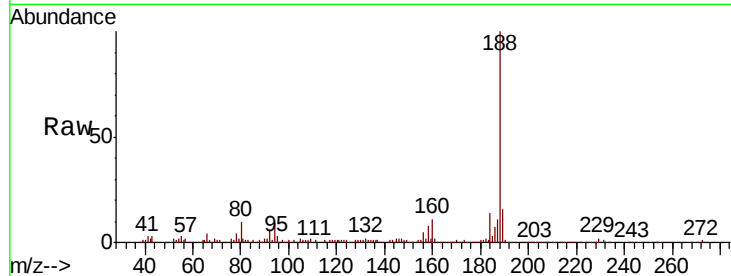
Tgt Ion:188 Resp: 342255

Ion Ratio Lower Upper

188 100

94 9.4 9.6 14.4#

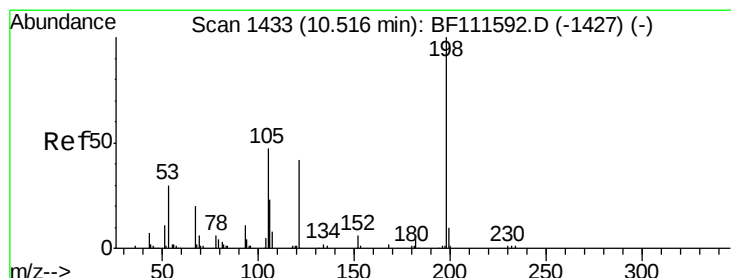
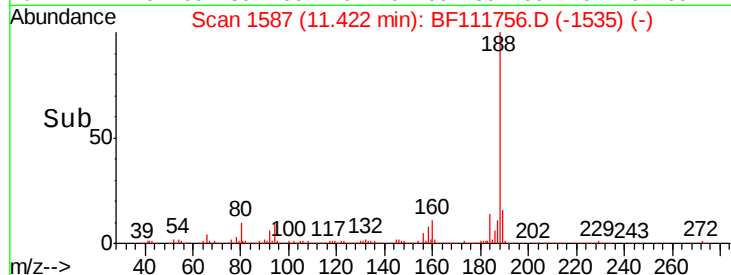
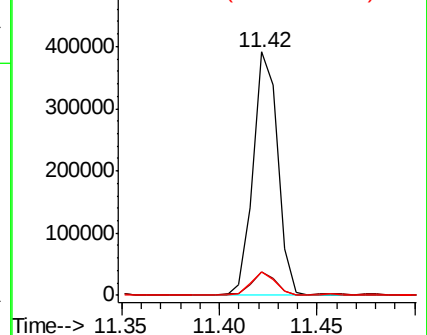
80 9.8 9.8 14.6



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: 6.951 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.21 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

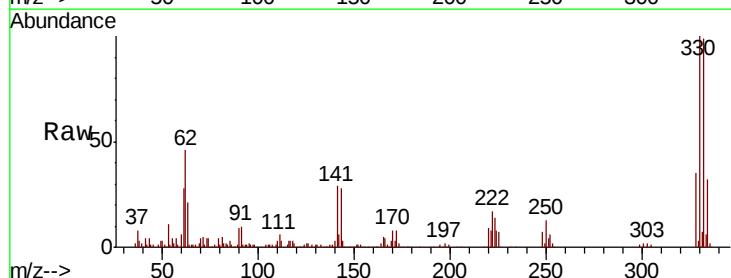
Tgt Ion:198 Resp: 424

Ion Ratio Lower Upper

198 100

51 223.7 48.0 88.0#

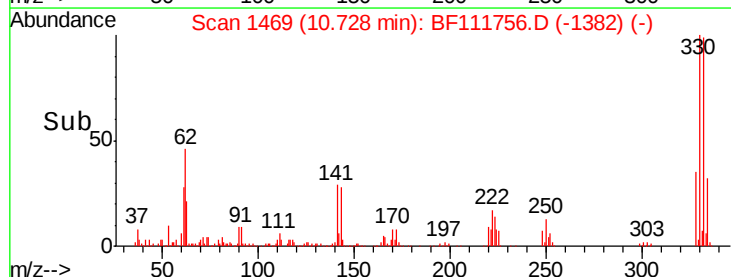
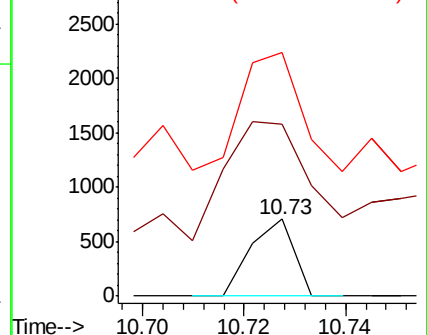
105 315.7 34.0 74.0#

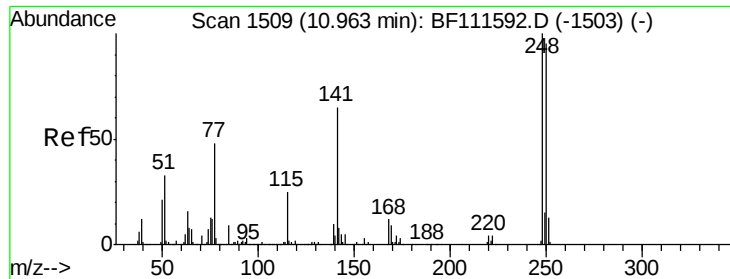


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

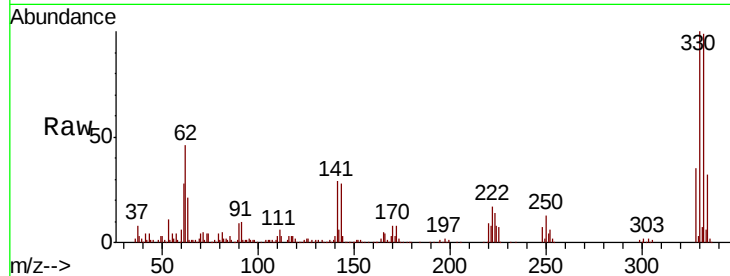




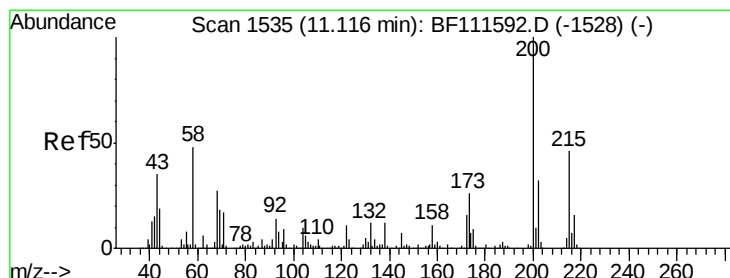
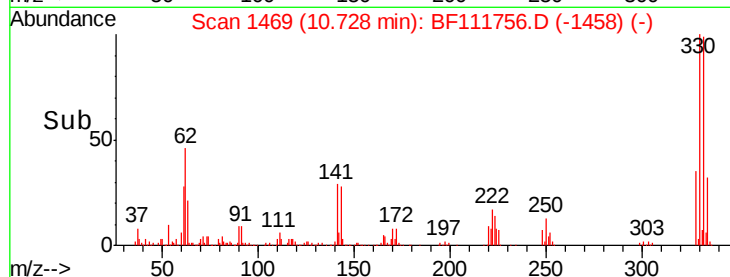
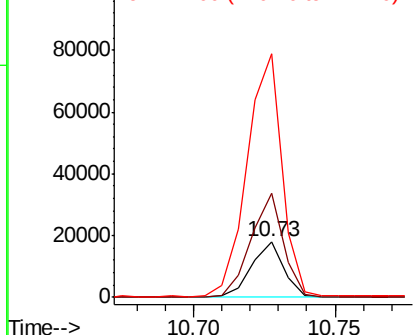
#67
4-Bromophenyl-phenylether
Concen: 3.387 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF111756.D
Acq: 27 Dec 2018 12:29

Instrument :
BNA_F
ClientSampleId :
P001-SS021-1218-01

Tgt Ion:248 Resp: 14379
Ion Ratio Lower Upper
248 100
250 187.2 77.0 115.4#
141 438.3 63.0 94.6#

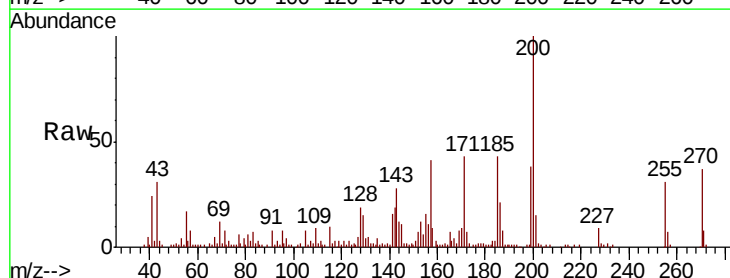


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

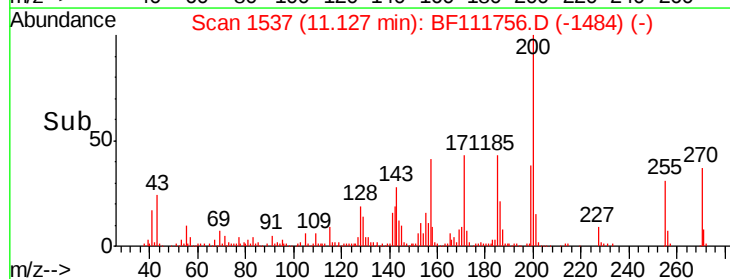
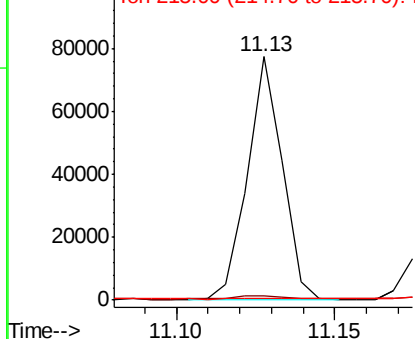


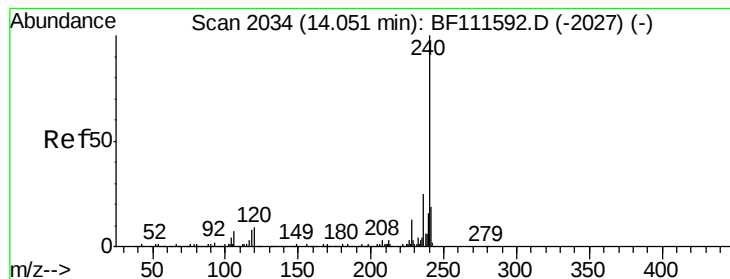
#69
Atrazine
Concen: 14.818 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BF111756.D
Acq: 27 Dec 2018 12:29

Tgt Ion:200 Resp: 59141
Ion Ratio Lower Upper
200 100
173 1.8 10.1 50.1#
215 0.4 26.9 66.9#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

Instrument :

BNA_F

ClientSampleId :

P001-SS021-1218-01

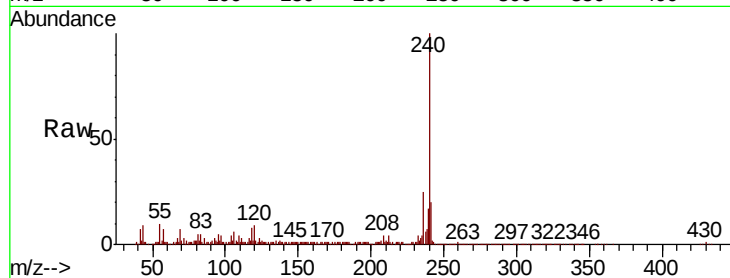
Tgt Ion:240 Resp: 323063

Ion Ratio Lower Upper

240 100

120 9.3 12.2 18.2#

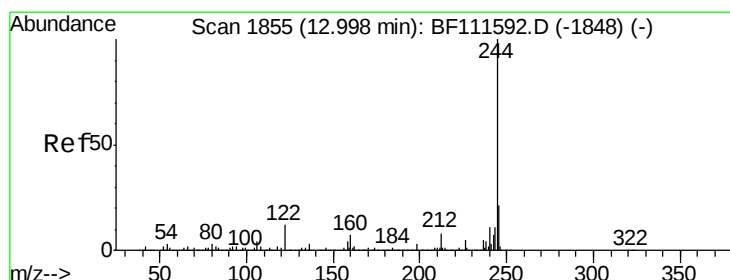
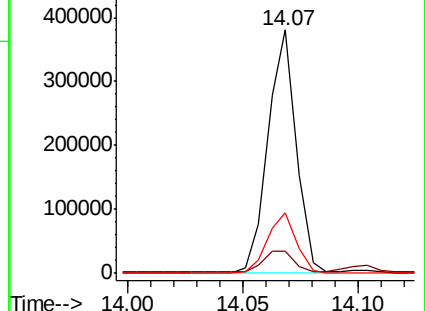
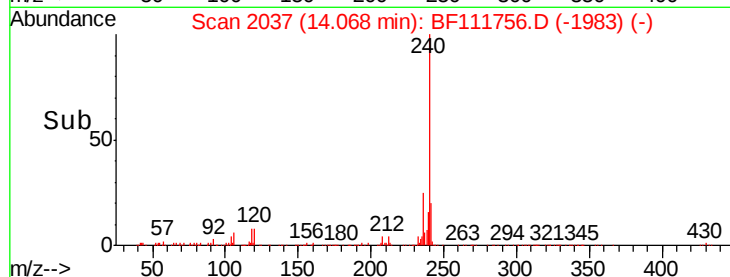
236 24.7 20.2 30.2



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: 52.694 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111756.D

Acq: 27 Dec 2018 12:29

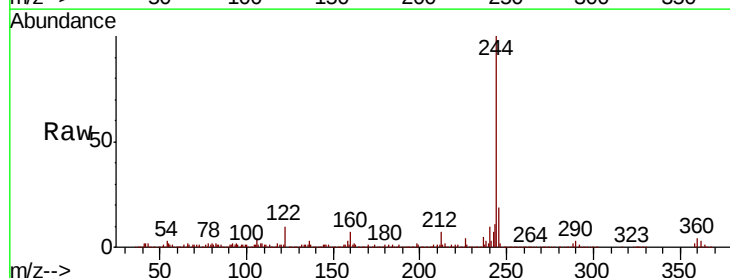
Tgt Ion:244 Resp: 897670

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

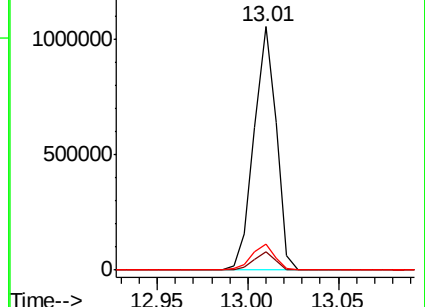
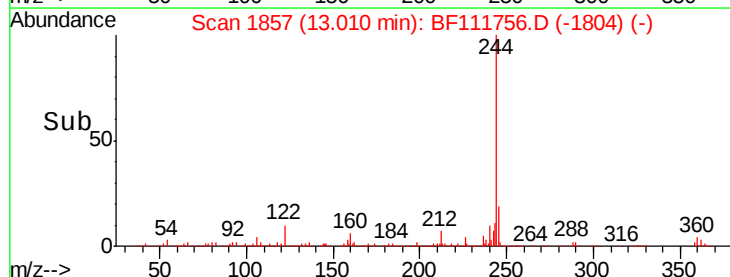
122 10.4 13.1 19.7#

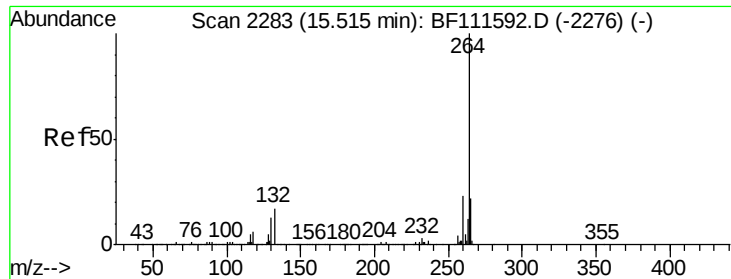


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

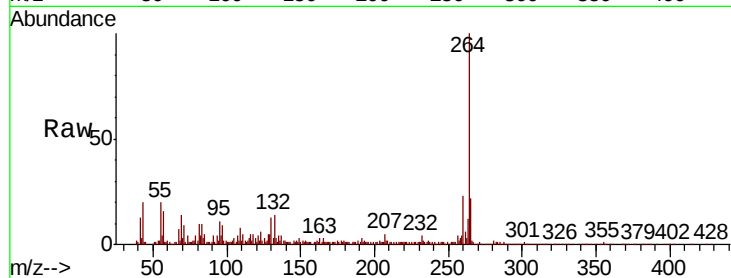




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.04 min
Lab File: BF111756.D
Acq: 27 Dec 2018 12:29

Instrument :
BNA_F
ClientSampleId :
P001-SS021-1218-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.3	27.5
265	21.6	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

