

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101615.D
 Acq On : 21 Dec 2017 19:00
 Operator : SJ/JU
 Sample : I6957-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 00:52:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

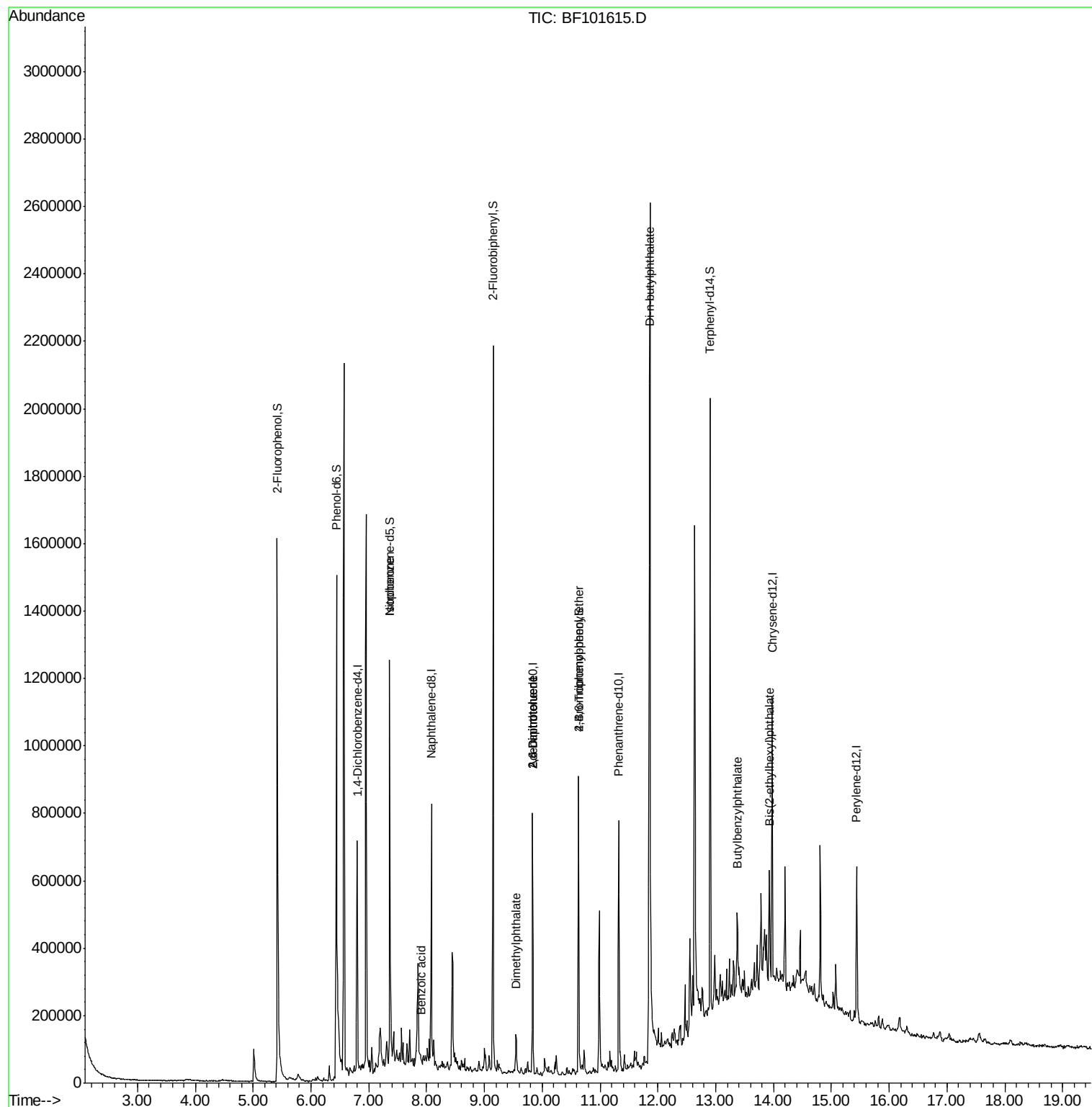
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	109687	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	387607	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	141301	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	250709	20.00	ng	0.00
75) Chrysene-d12	13.97	240	269800	20.00	ng	0.00
86) Perylene-d12	15.44	264	219646	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	598683	81.30	ng	0.00
7) Phenol-d6	6.44	99	684959	74.74	ng	0.00
23) Nitrobenzene-d5	7.36	82	406308	58.35	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	99507	73.08	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	644833	70.79	ng	0.00
78) Terphenyl-d14	12.90	244	586470	52.40	ng	0.00
Target Compounds						
25) Isophorone	7.36	82	406308	29.088	ng	# 65
32) Benzoic acid	7.91	122	1324	8.252	ng	# 65
49) Dimethylphthalate	9.55	163	36077	3.174	ng	100
50) 2,6-Dinitrotoluene	9.83	165	18044	7.811	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	18044	6.933	ng	# 24
66) 4-Bromophenyl-phenylether	10.63	248	6577	2.335	ng	# 1
73) Di-n-butylphthalate	11.87	149	47554	2.938	ng	100
79) Butylbenzylphthalate	13.37	149	29760	3.248	ng	94
83) Bis(2-ethylhexyl)phthalate	13.93	149	109407	9.428	ng	99

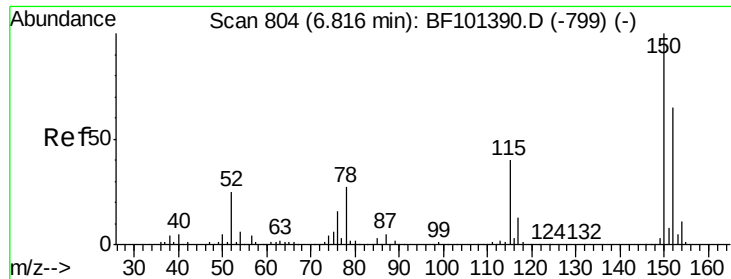
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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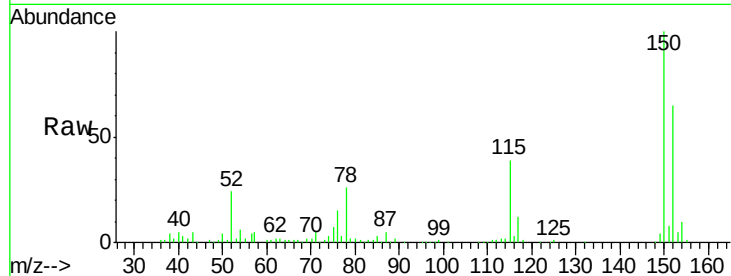


#1

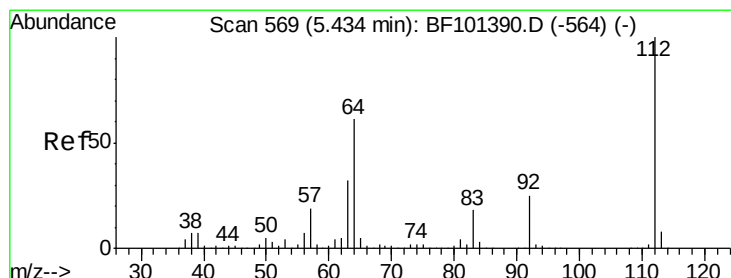
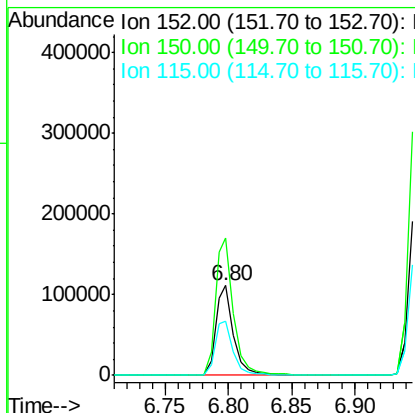
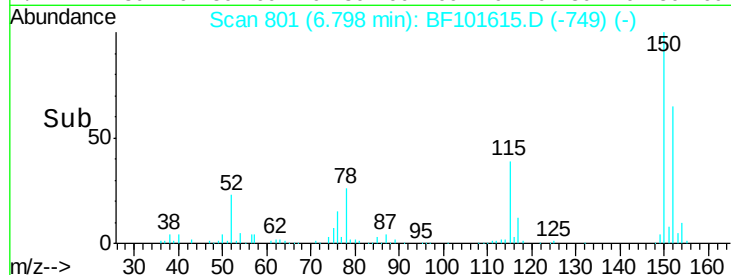
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	60.4	50.1	75.1



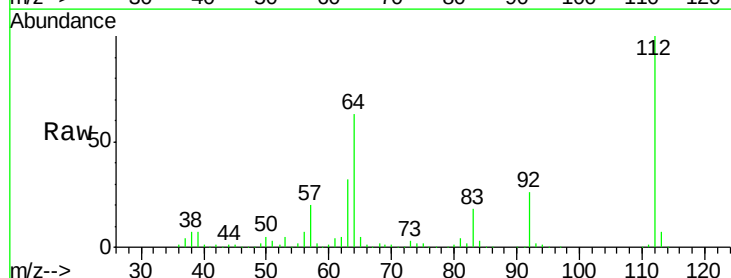
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



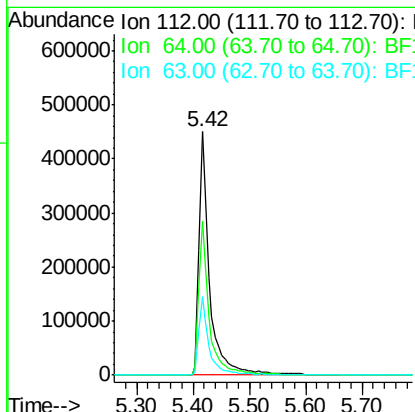
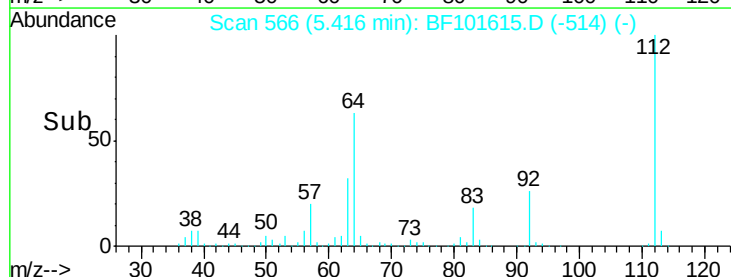
#5

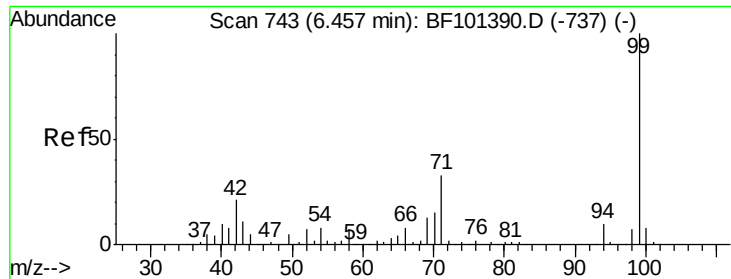
2-Fluorophenol
Concen: 81.303 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	47.9	71.9
63	32.4	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: 74.742 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101615.D

Acq: 21 Dec 2017 19:00

Instrument :

BNA_F

ClientSampleId :

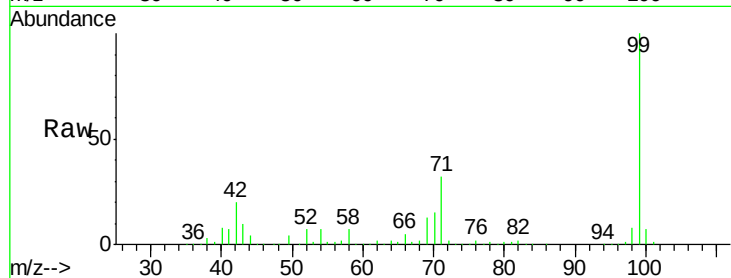
Tot Ion: 99 Resp: 684959

Ion Ratio Lower Upper

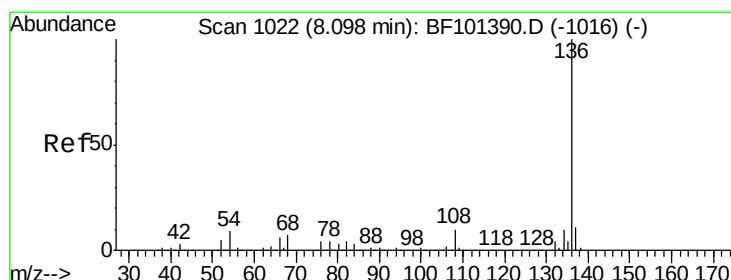
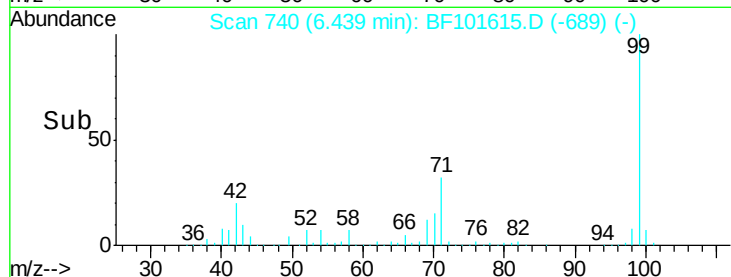
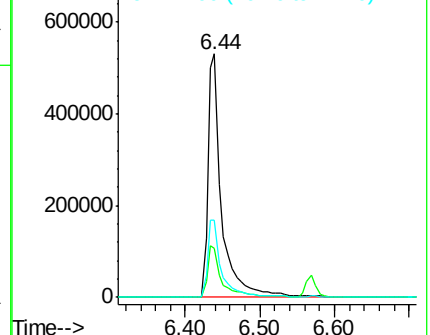
99 100

42 20.0 14.5 21.7

71 31.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BF101615.D

Acq: 21 Dec 2017 19:00

Tgt Ion: 136 Resp: 387607

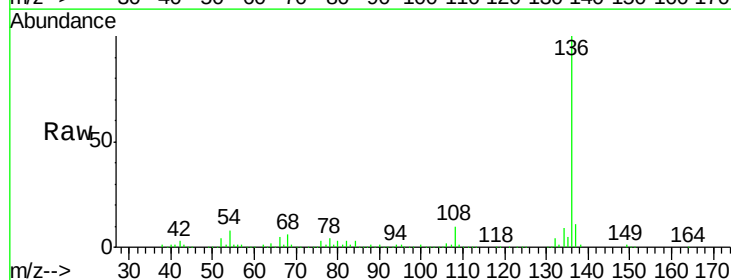
Ion Ratio Lower Upper

136 100

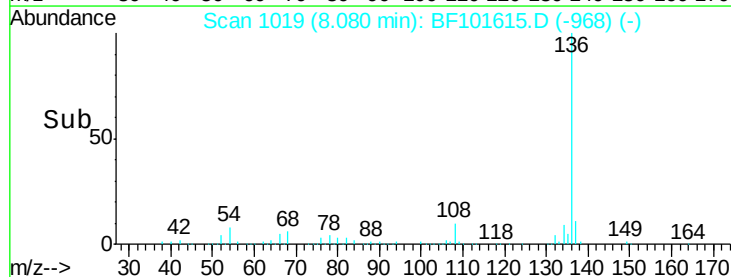
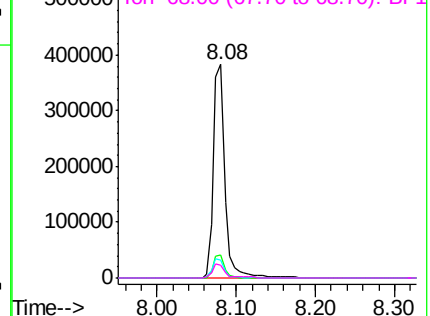
137 10.9 8.9 13.3

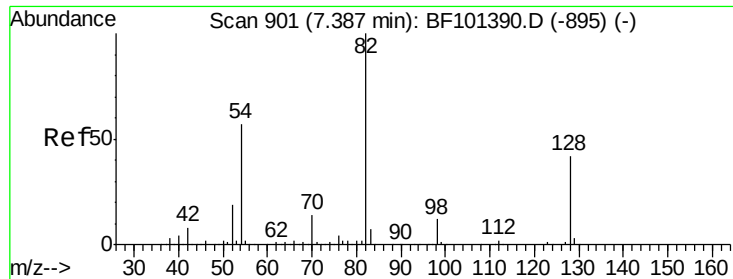
54 8.3 6.6 9.8

68 6.2 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

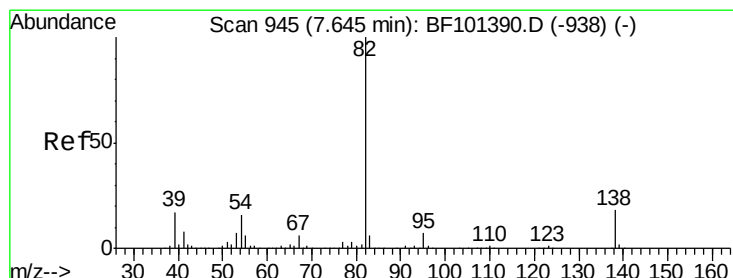
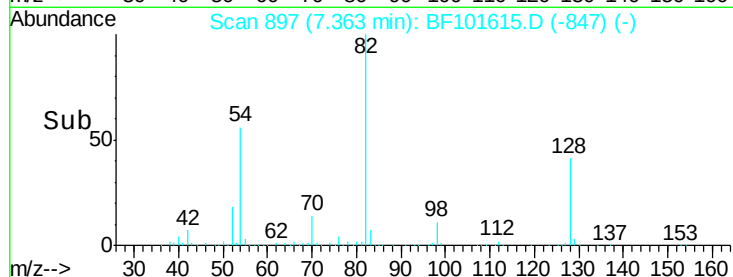
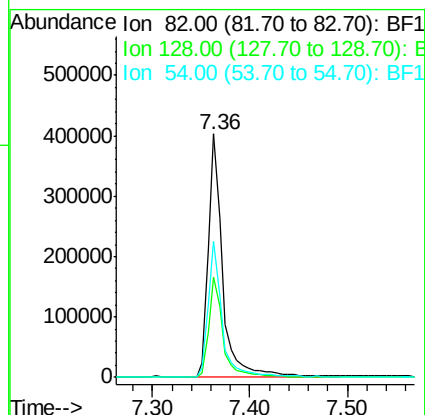
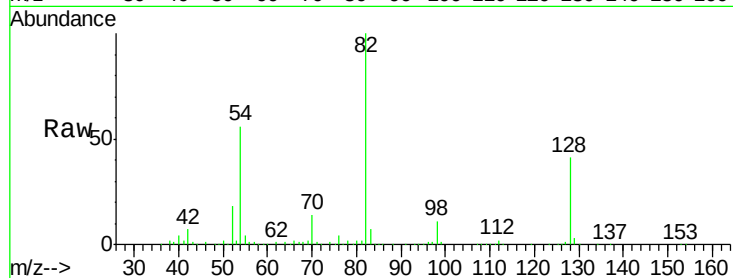




#23
Nitrobenzene-d5
Concen: 58.352 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

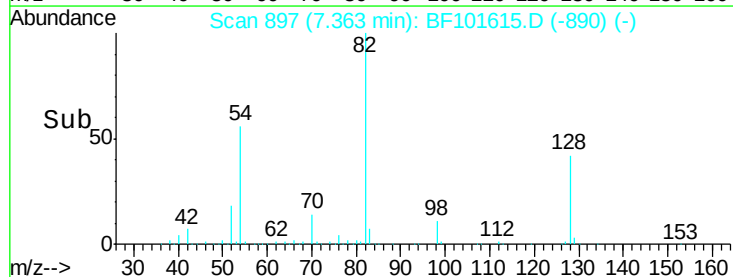
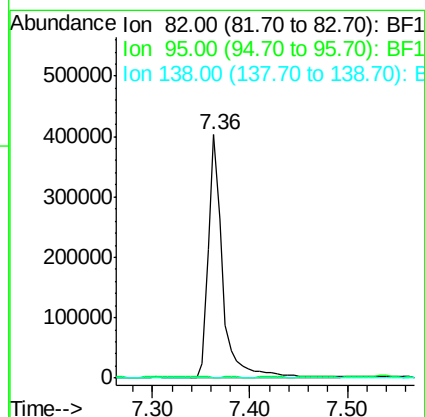
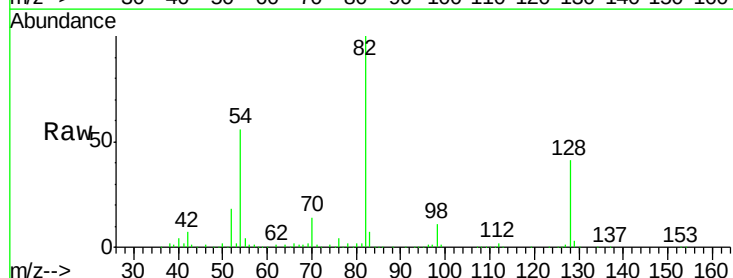
Instrument :
BNA_F
ClientSampled :

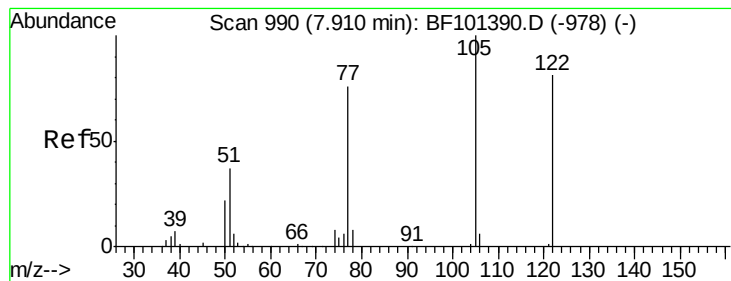
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.1	54.1
54	55.9	41.4	62.2



#25
Isophorone
Concen: 29.088 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.4	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 8.252 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.01 min

Lab File: BF101615.D

Acq: 21 Dec 2017 19:00

Instrument :

BNA_F

ClientSampleId :

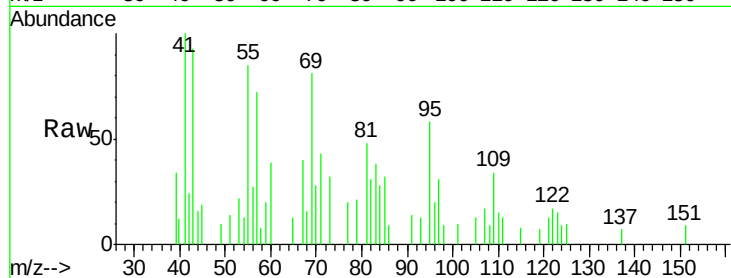
Tot Ion:122 Resp: 1324

Ion Ratio Lower Upper

122 100

105 76.6 101.1 141.1#

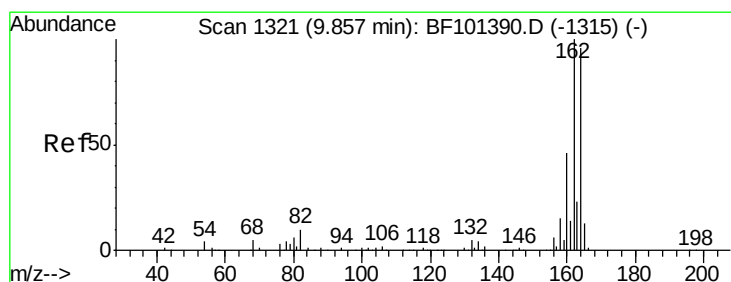
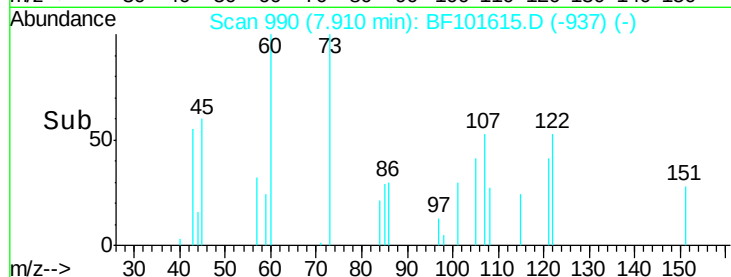
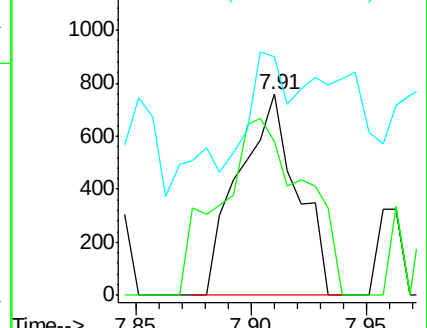
77 118.5 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101615.D

Acq: 21 Dec 2017 19:00

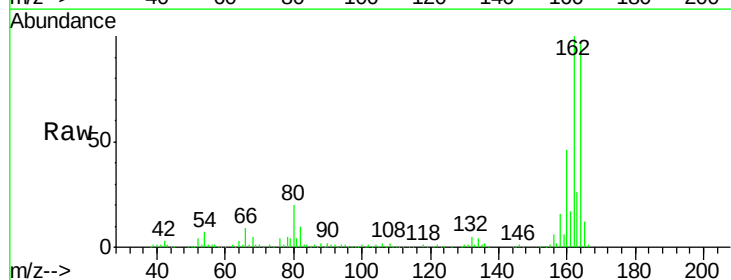
Tgt Ion:164 Resp: 141301

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

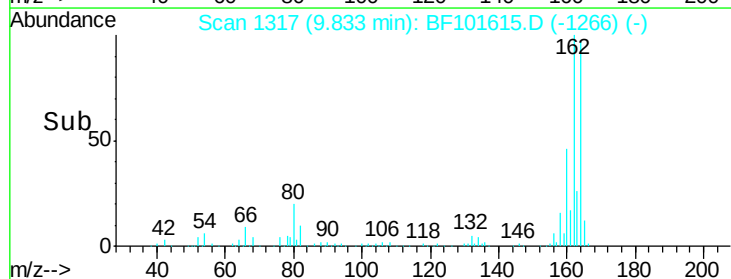
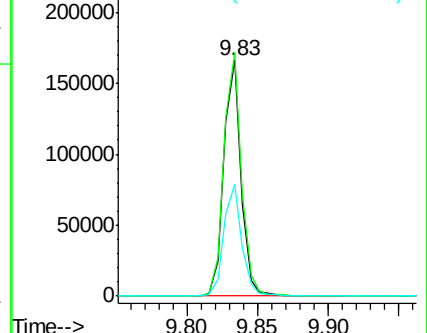
160 47.7 38.3 57.5

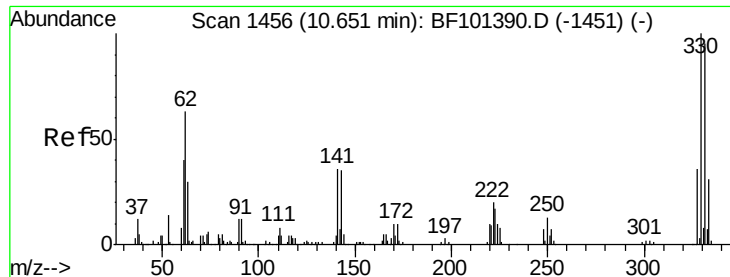


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

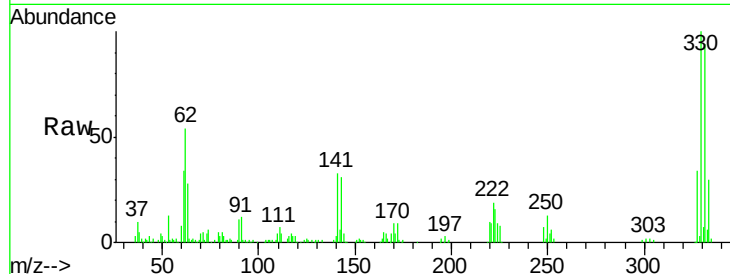




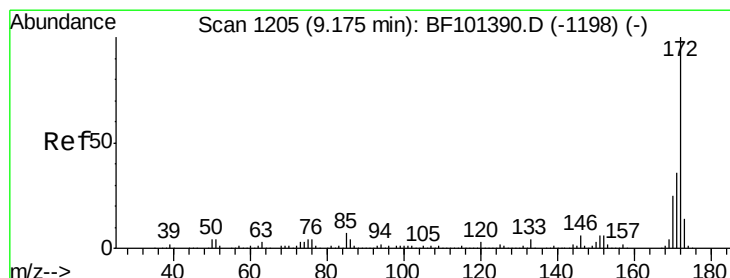
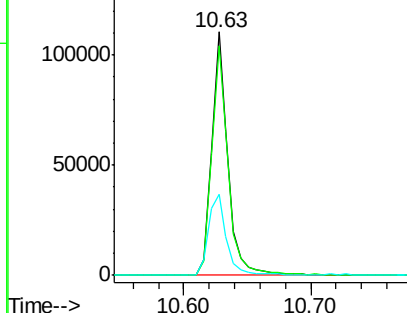
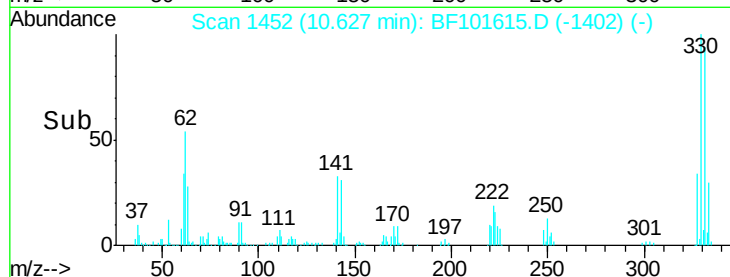
#41
 2,4,6-Tribromophenol
 Concen: 73.084 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101615.D
 Acq: 21 Dec 2017 19:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	37.6	29.9	44.9

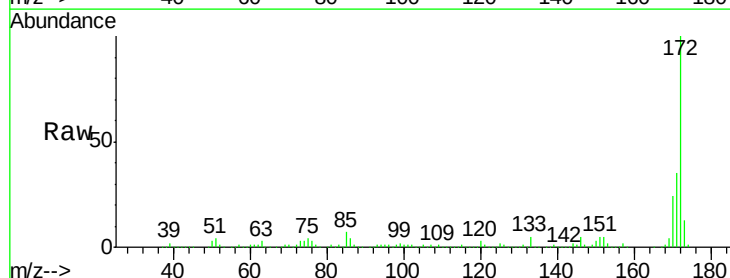


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

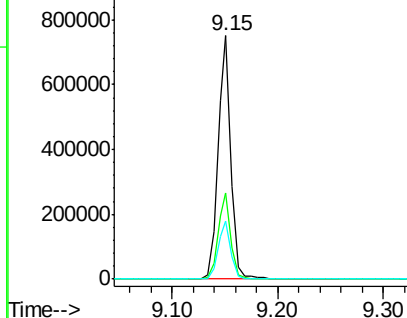
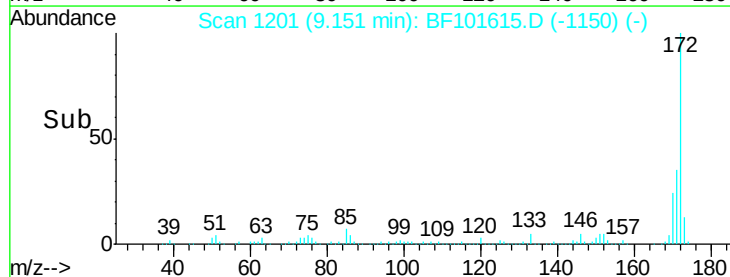


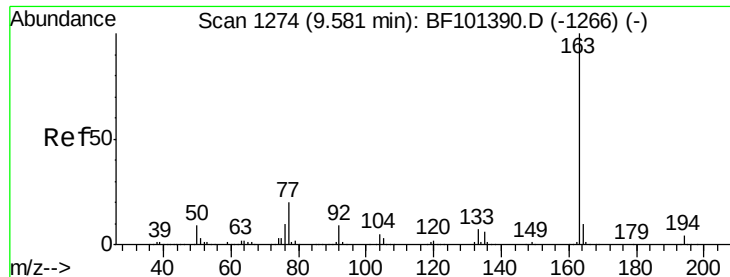
#44
 2-Fluorobiphenyl
 Concen: 70.792 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF101615.D
 Acq: 21 Dec 2017 19:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	24.0	19.6	29.4



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

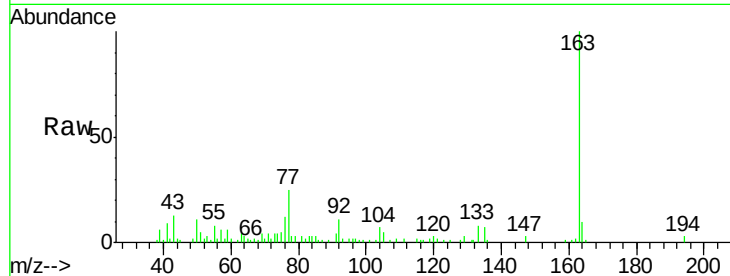




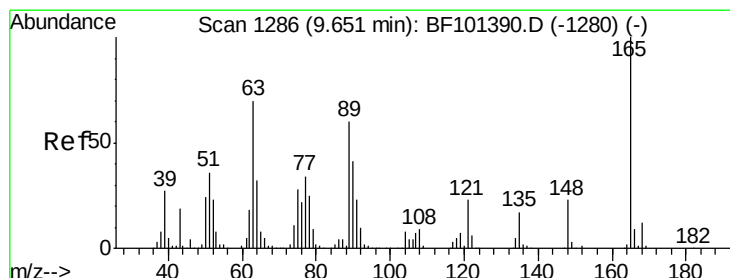
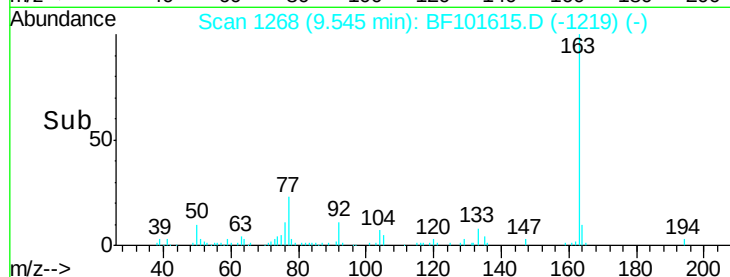
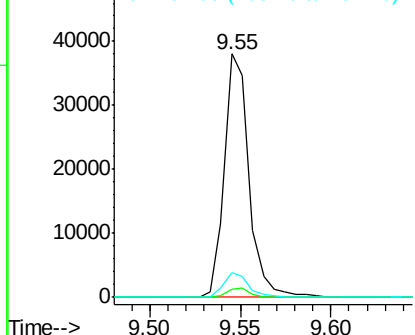
#49
Dimethylphthalate
Concen: 3.174 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 36077
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.2 8.2 12.2

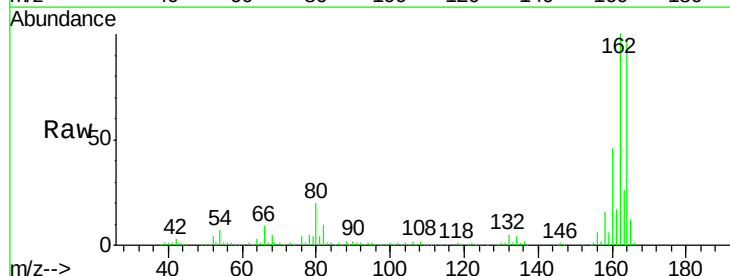


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

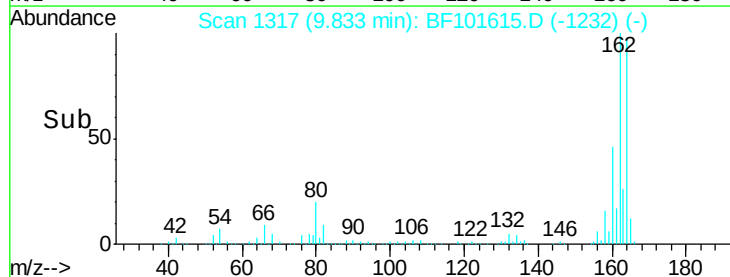
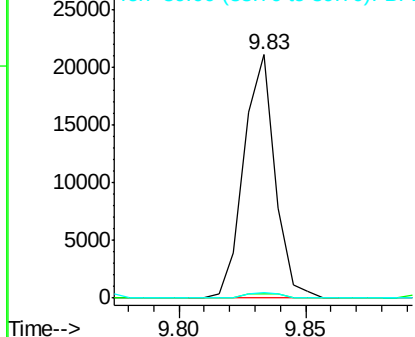


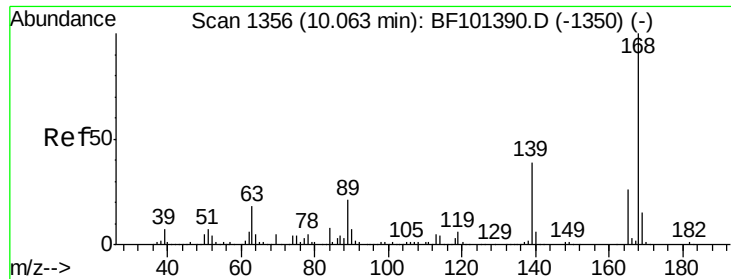
#50
2,6-Dinitrotoluene
Concen: 7.811 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.20 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion:165 Resp: 18044
Ion Ratio Lower Upper
165 100
63 2.0 44.7 67.1#
89 2.1 44.0 66.0#



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

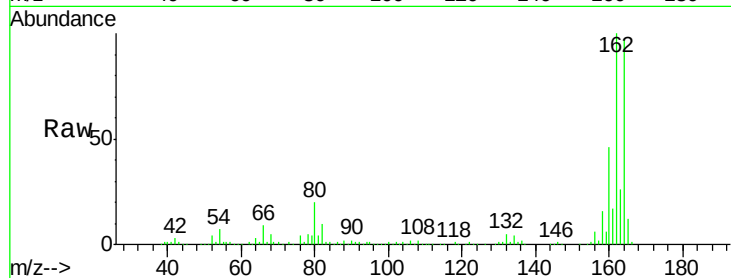




#56
2,4-Dinitrotoluene
Concen: 6.933 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.21 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

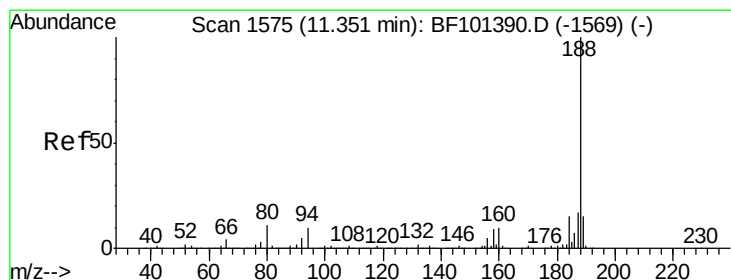
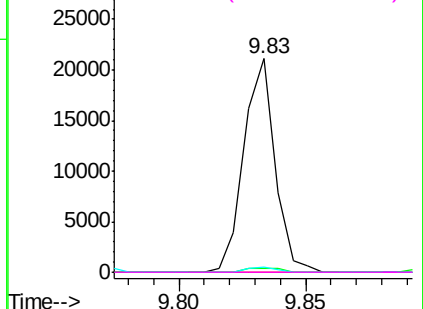
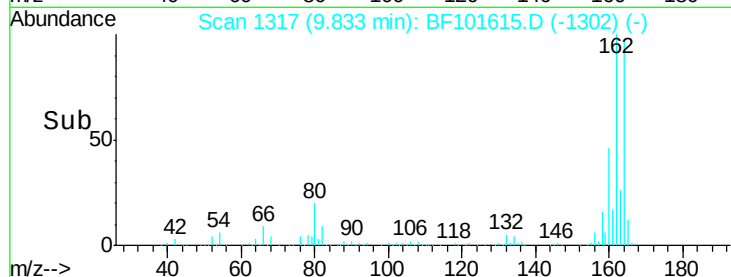


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

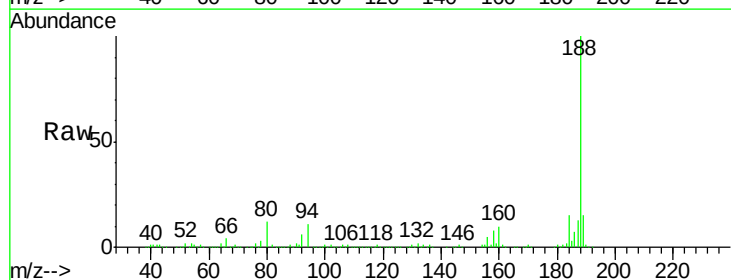
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

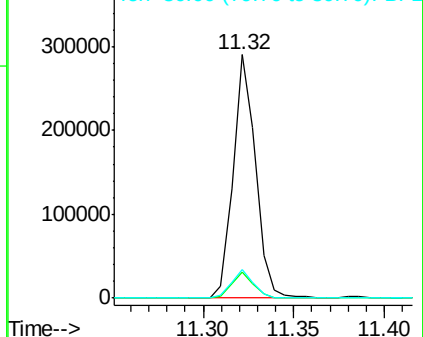
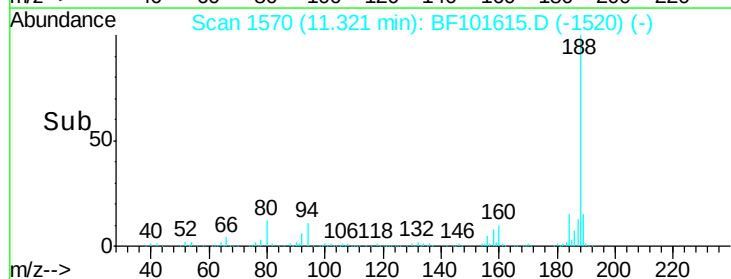
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.8	9.2	13.8

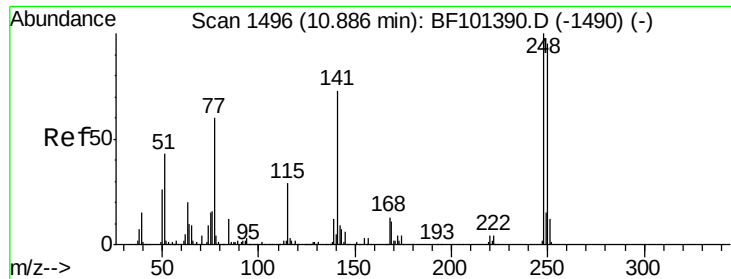


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

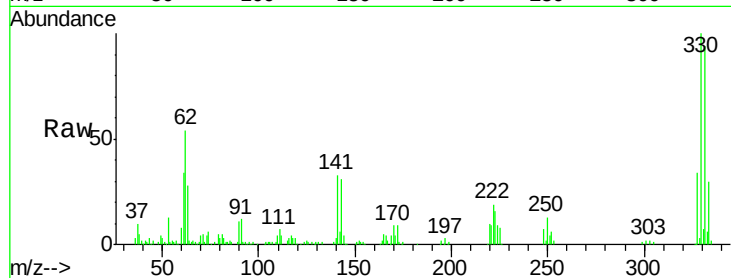




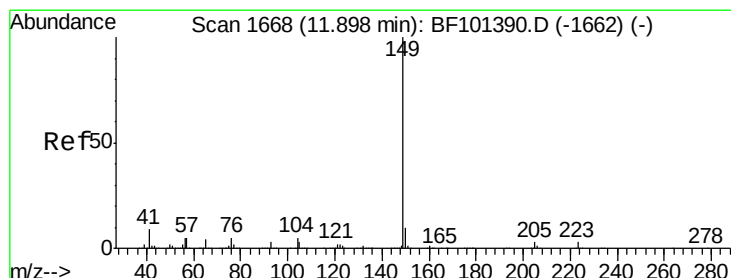
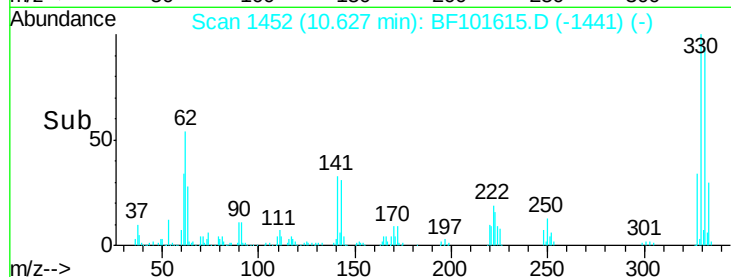
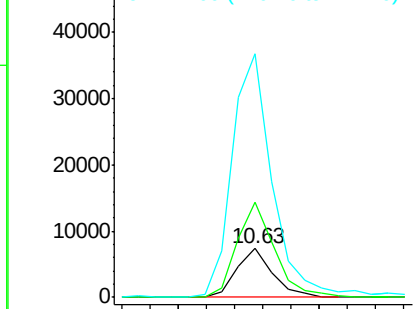
#66
4-Bromophenyl-phenylether
Concen: 2.335 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6577
Ion Ratio Lower Upper
248 100
250 197.3 76.9 115.3#
141 502.3 74.4 111.6#

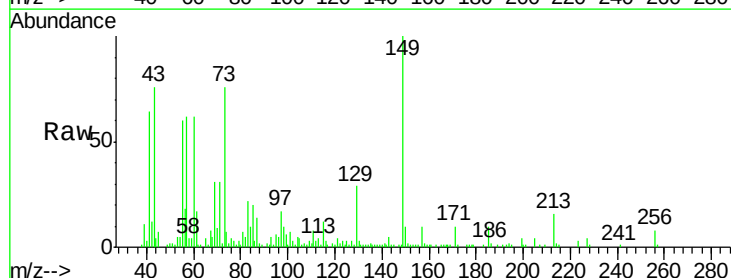


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

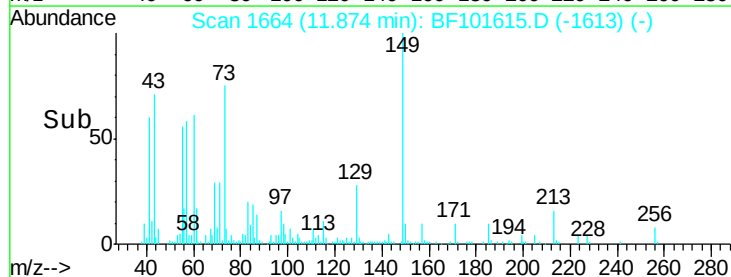
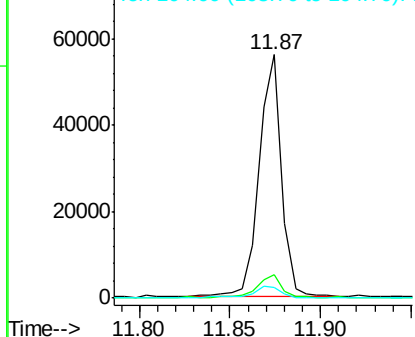


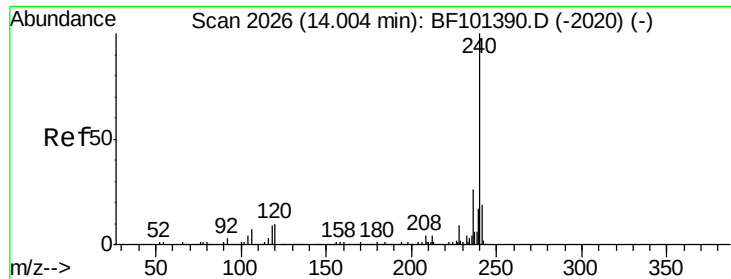
#73
Di-n-butylphthalate
Concen: 2.938 ng
RT: 11.87 min Scan# 1664
Delta R.T. -0.00 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Tgt Ion:149 Resp: 47554
Ion Ratio Lower Upper
149 100
150 9.8 7.8 11.6
104 4.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF101615.D

Acq: 21 Dec 2017 19:00

Instrument :

BNA_F

ClientSampleId :

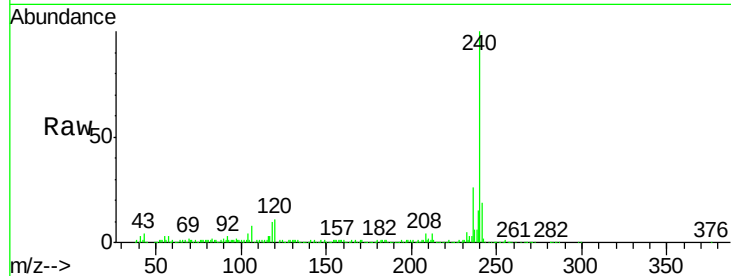
Tot Ion:240 Resp: 269800

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

236 26.4 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

13.97

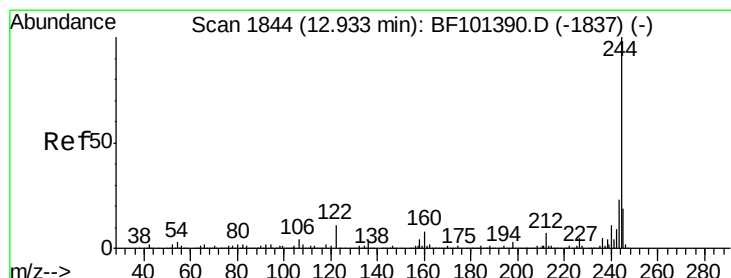
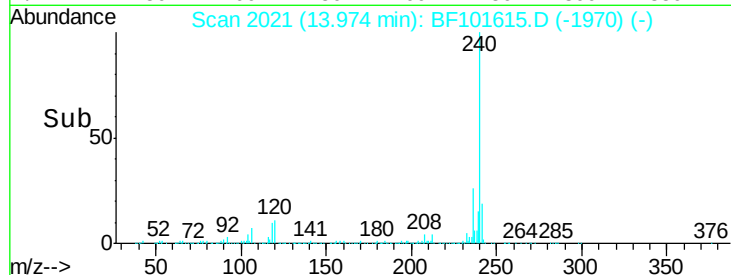
300000

200000

100000

0

Time--> 13.90 14.00



#78

Terphenyl-d14

Concen: 52.403 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101615.D

Acq: 21 Dec 2017 19:00

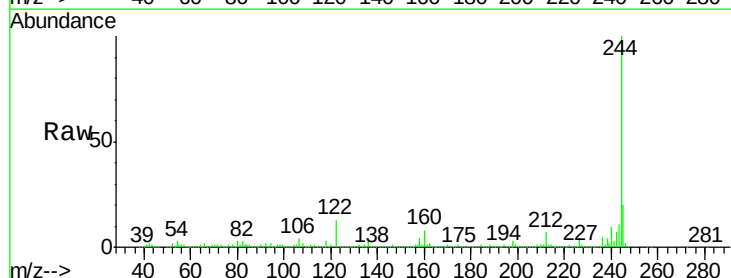
Tgt Ion:244 Resp: 586470

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

122 12.6 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

12.90

800000

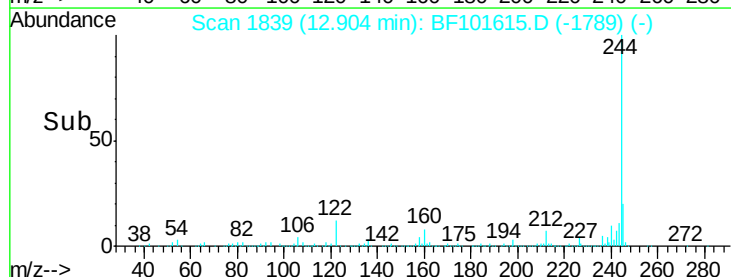
600000

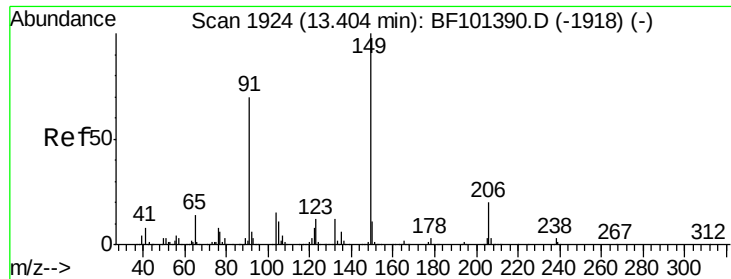
400000

200000

0

Time--> 12.85 12.90 12.95

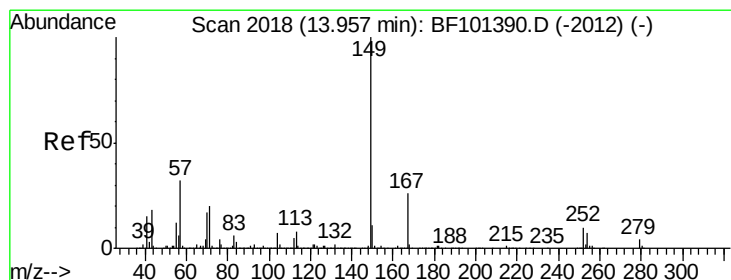
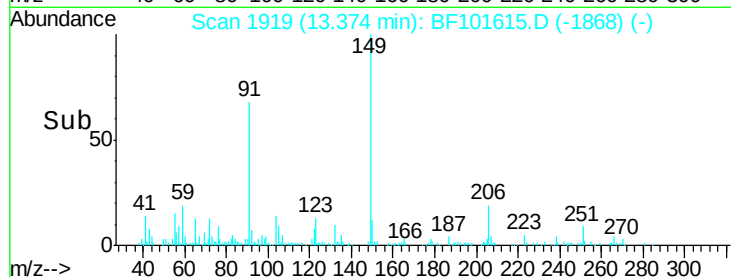
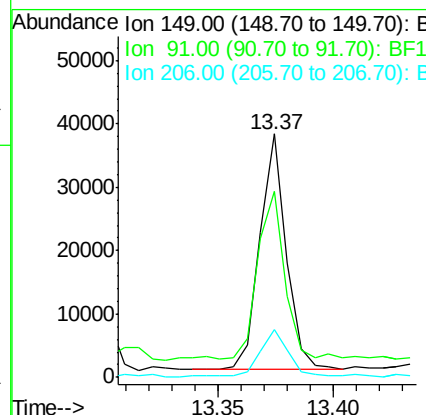
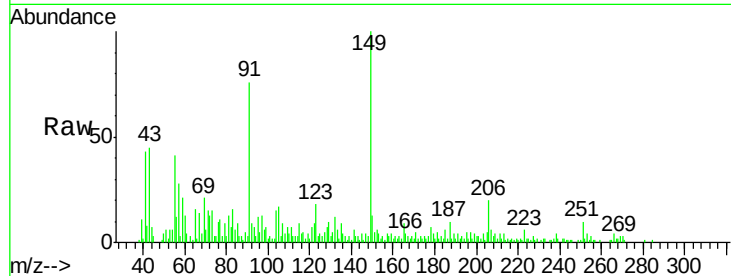




#79
 Butylbenzylphthalate
 Concen: 3.248 ng
 RT: 13.37 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: BF101615.D
 Acq: 21 Dec 2017 19:00

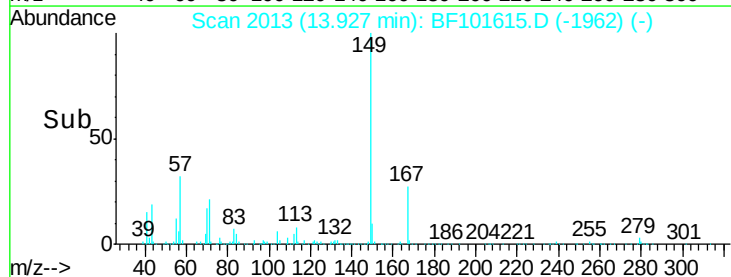
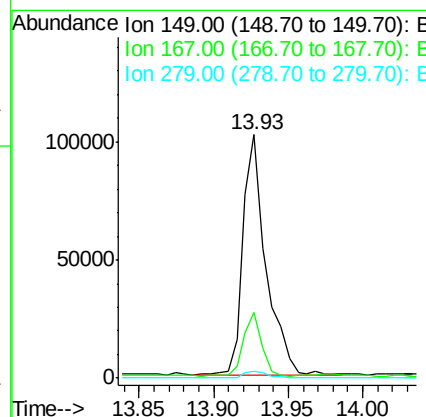
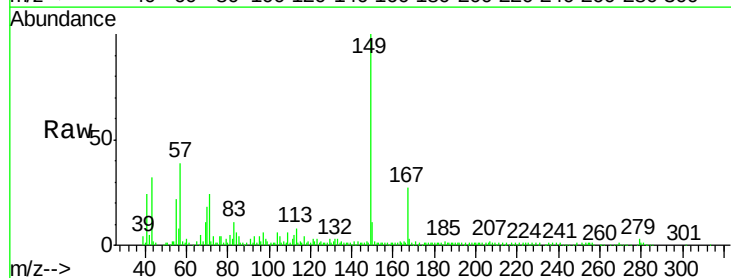
Instrument :
 BNA_F
 ClientSampled :

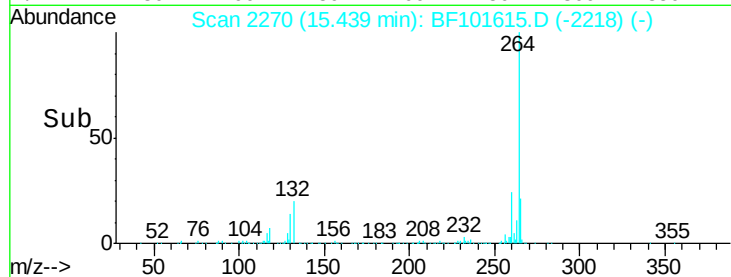
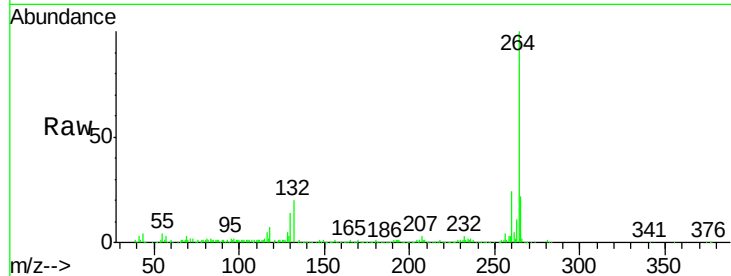
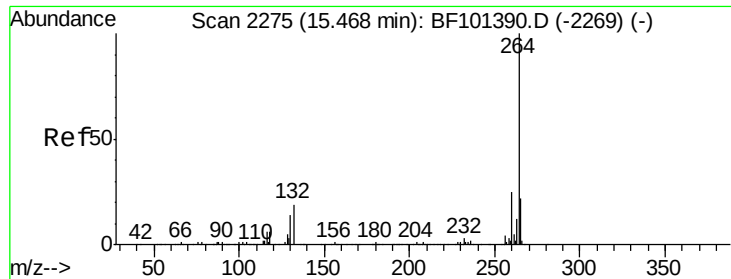
Tot Ion	Ratio	Lower	Upper
149	100		
91	76.5	56.8	85.2
206	19.8	14.1	21.1



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.428 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. -0.00 min
 Lab File: BF101615.D
 Acq: 21 Dec 2017 19:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	3.0	3.0	4.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101615.D
Acq: 21 Dec 2017 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.5	17.5	26.3

