

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111672.D
 Acq On : 21 Dec 2018 7:08
 Operator : JU/SJ
 Sample : J6478-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 21 09:36:08 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

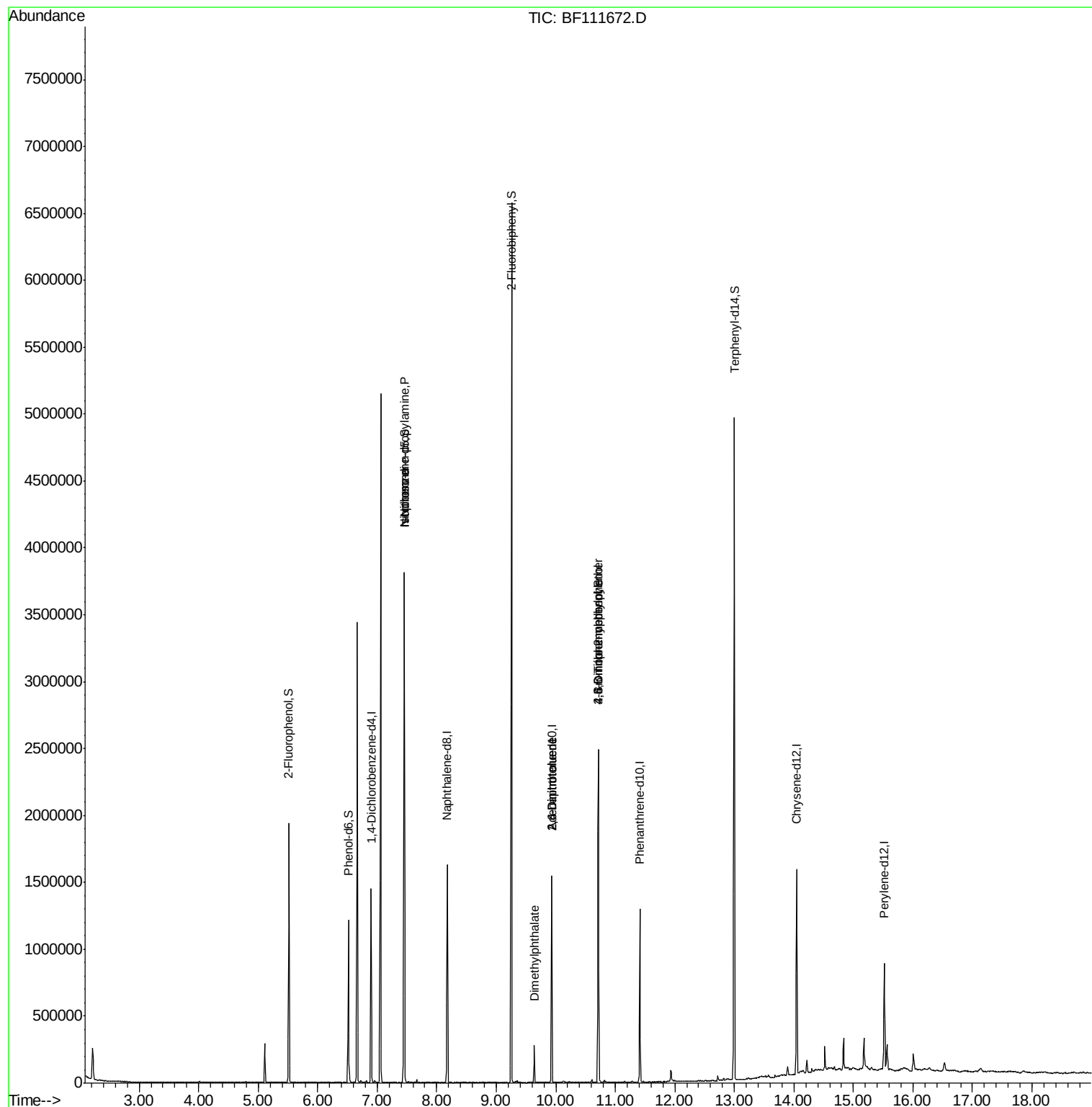
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	205119	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	711396	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	308167	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	484041	20.00	ng	0.00
76) Chrysene-d12	14.04	240	494966	20.00	ng	0.00
87) Perylene-d12	15.52	264	365439	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	450270	37.42	ng	0.00
7) Phenol-d6	6.52	99	346256	22.61	ng	0.00
23) Nitrobenzene-d5	7.46	82	1214636	99.38	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	284519	78.14	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2107450	99.68	ng	0.00
79) Terphenyl-d14	13.00	244	1639856	62.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	166536	16.374	ng	# 77
25) Isophorone	7.46	82	1214619	55.981	ng	# 64
50) Dimethylphthalate	9.64	163	94341	4.186	ng	# 98
51) 2,6-Dinitrotoluene	9.93	165	40326	8.974	ng	# 30
57) 2,4-Dinitrotoluene	9.93	165	40326	7.467	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	592	6.948	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	17665	2.942	ng	# 1

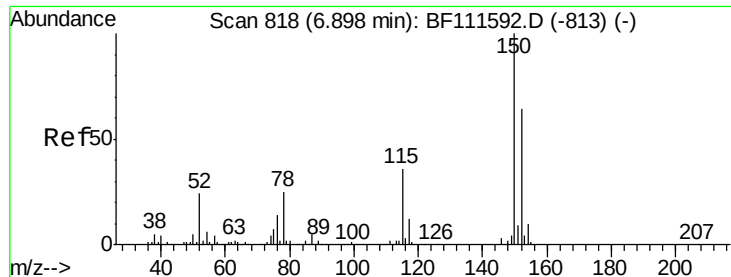
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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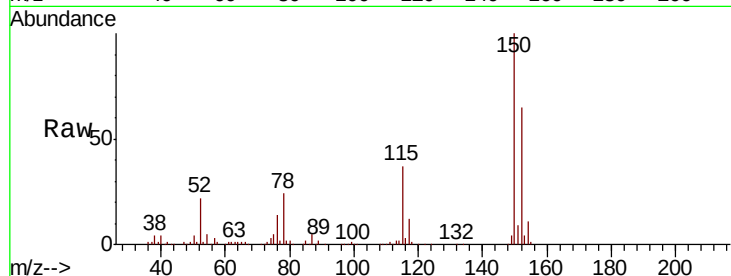


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111672.D
Acq: 21 Dec 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	126.6	189.8
115	56.0	50.7	76.1

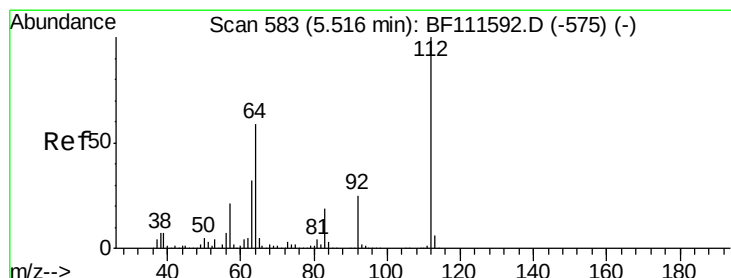
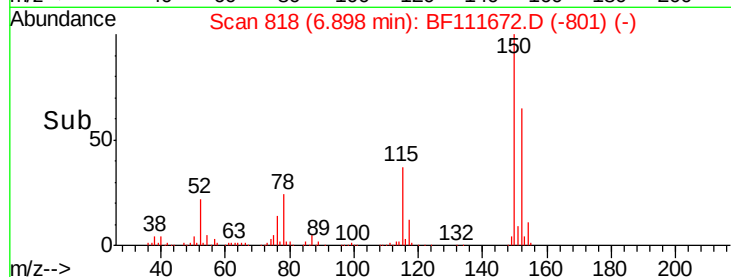
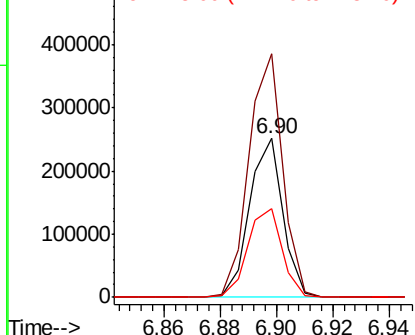


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

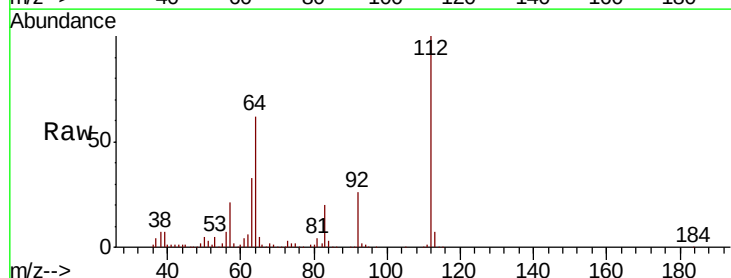
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 37.417 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111672.D
Acq: 21 Dec 2018 7:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.8	77.6
63	33.5	26.8	40.2

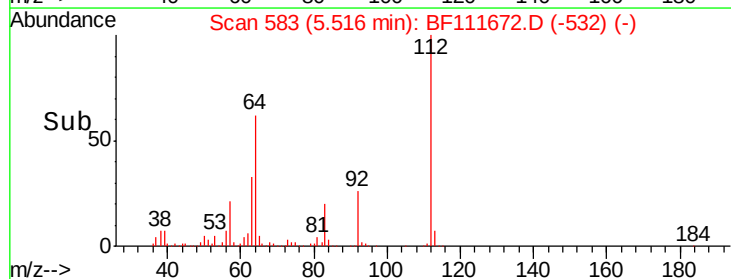
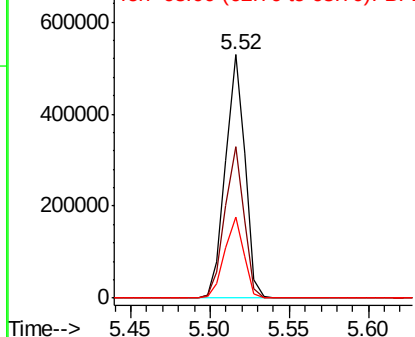


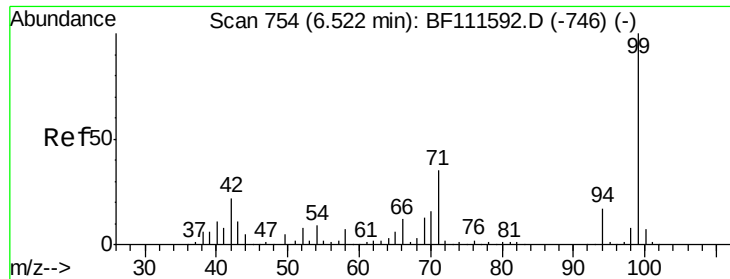
Abundance

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: 22.609 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF111672.D

Acq: 21 Dec 2018 7:08

Instrument :

BNA_F

ClientSampleId :

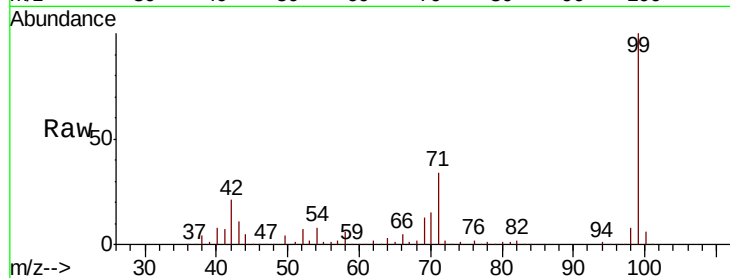
Tot Ion: 99 Resp: 346256

Ion Ratio Lower Upper

99 100

42 20.9 17.4 26.0

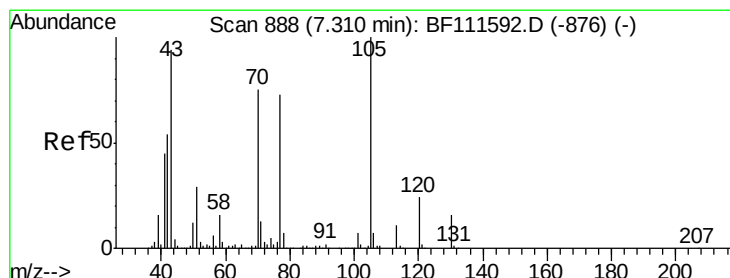
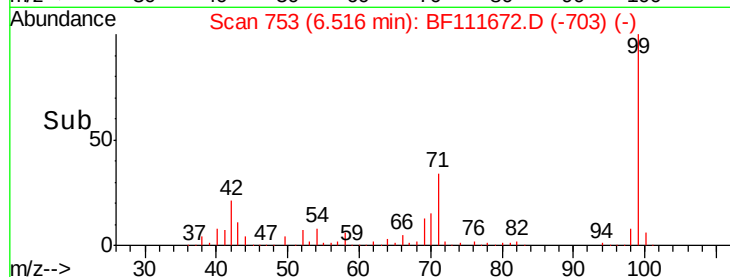
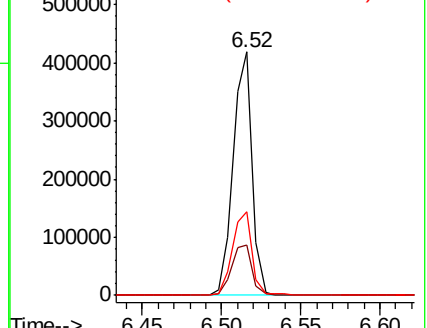
71 34.5 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.374 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF111672.D

Acq: 21 Dec 2018 7:08

Tgt Ion: 70 Resp: 166536

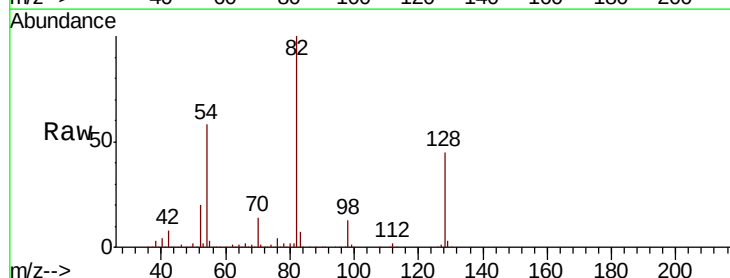
Ion Ratio Lower Upper

70 100

42 54.6 53.2 79.8

101 0.0 8.2 12.4#

130 2.1 18.1 27.1#

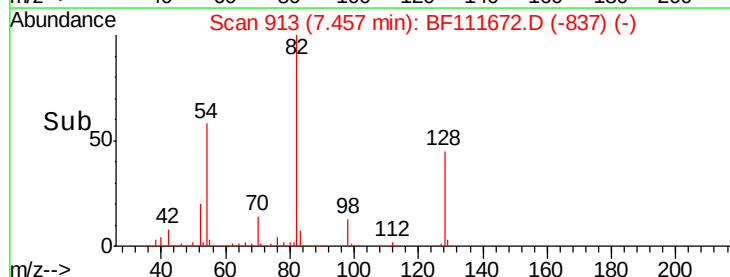
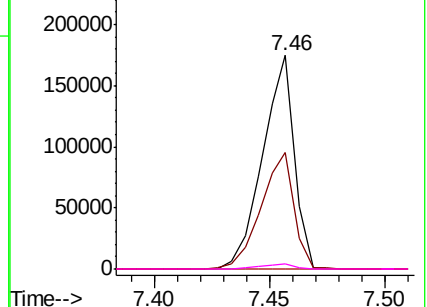


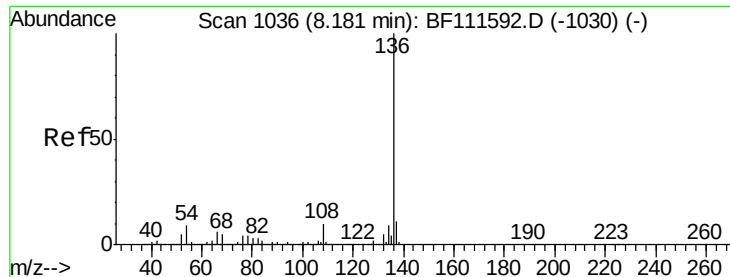
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

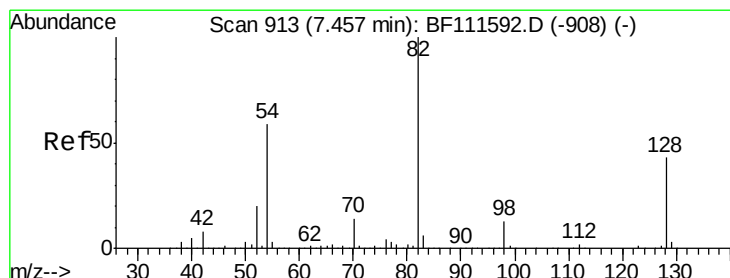
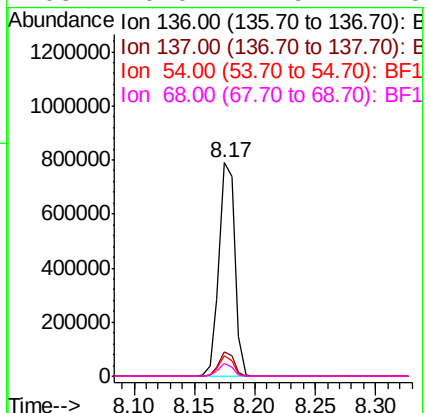
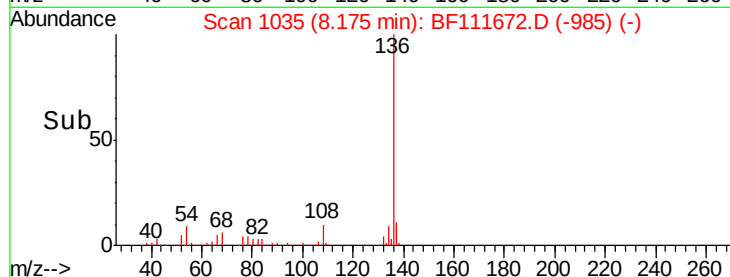
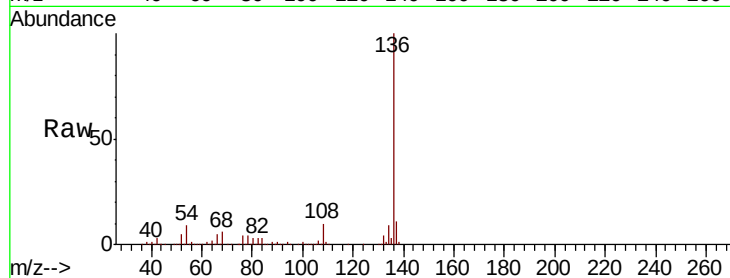




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111672.D
Acq: 21 Dec 2018 7:08

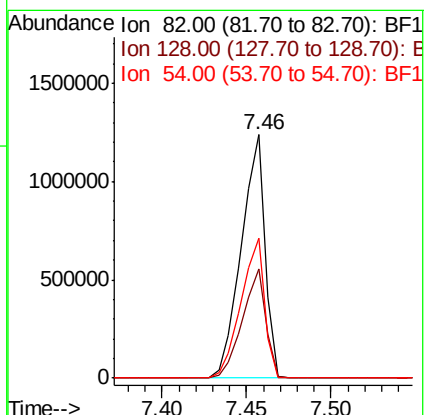
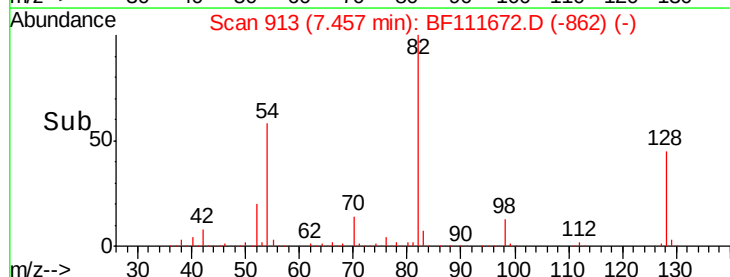
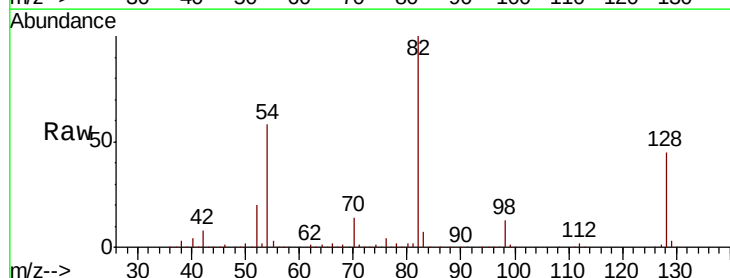
Instrument :
BNA_F
ClientSampleId :

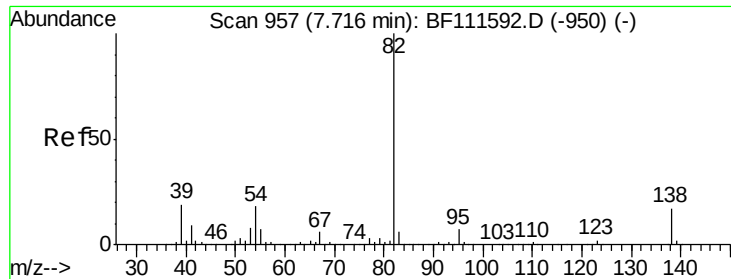
Tot Ion:136	Resp:	711396
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.1 13.7
54	9.5	7.7 11.5
68	6.0	4.9 7.3



#23
Nitrobenzene-d5
Concen: 99.384 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111672.D
Acq: 21 Dec 2018 7:08

Tgt	Ion: 82	Resp: 1214636	
Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.4	56.2
54	57.7	47.6	71.4





#25

Isophorone

Concen: 55.981 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF111672.D

Acq: 21 Dec 2018 7:08

Instrument :

BNA_F

ClientSampleId :

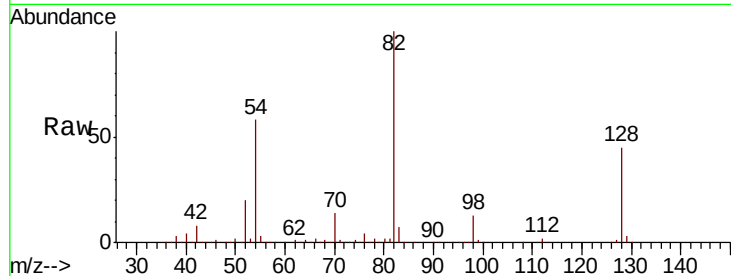
Tot Ion: 82 Resp: 1214619

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

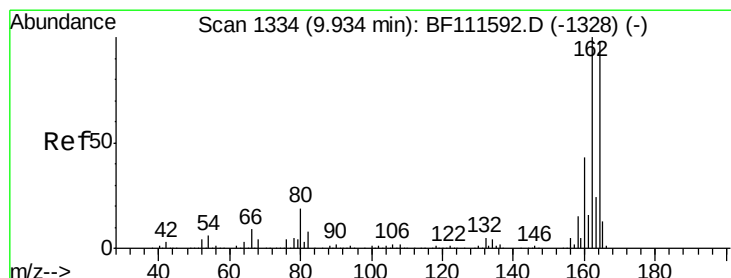
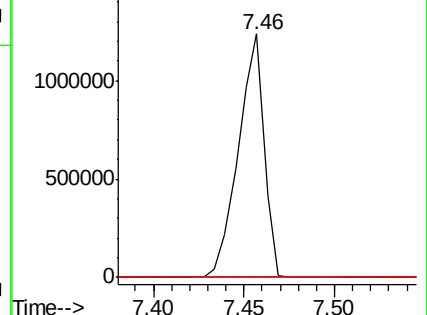
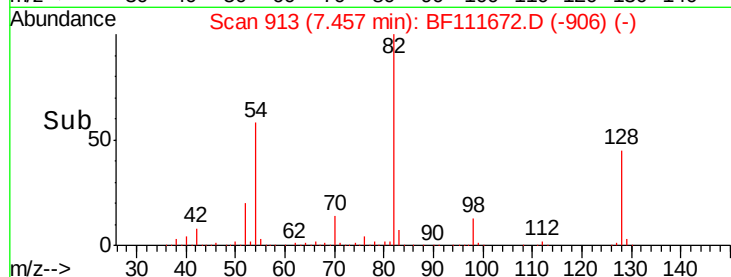
138 0.0 15.1 22.7#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111672.D

Acq: 21 Dec 2018 7:08

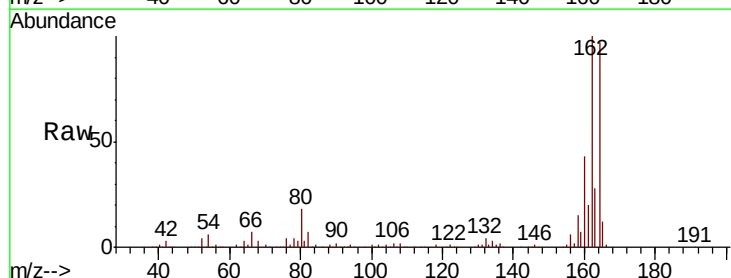
Tgt Ion:164 Resp: 308167

Ion Ratio Lower Upper

164 100

162 103.4 81.4 122.0

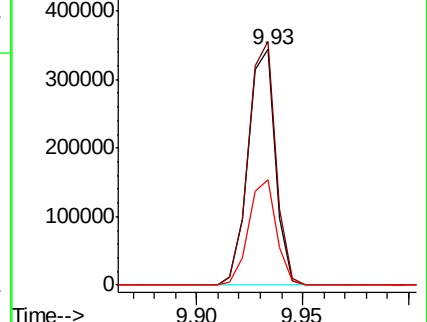
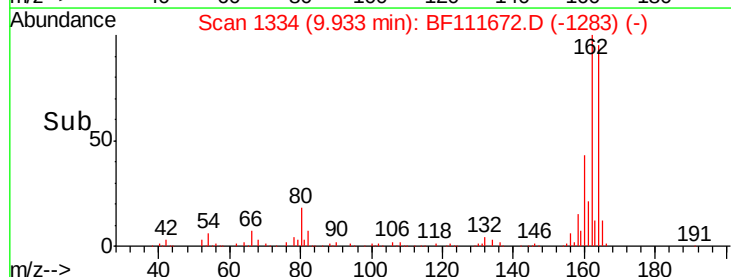
160 44.6 35.7 53.5

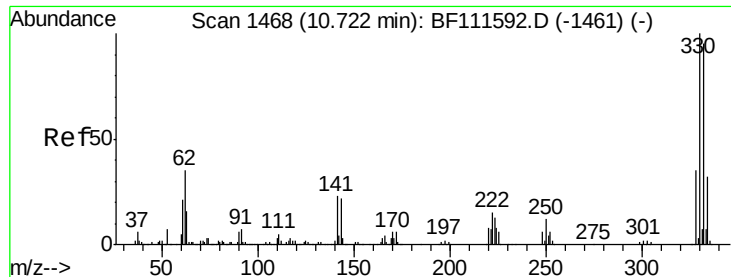


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

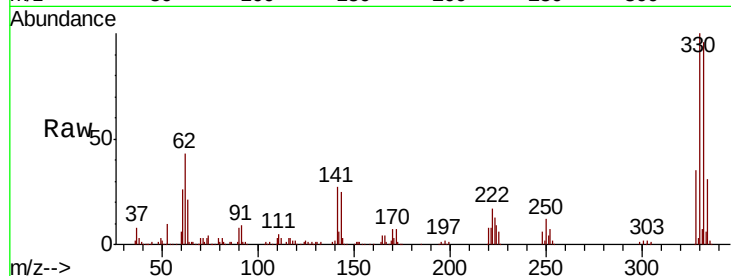




#42
 2,4,6-Tribromophenol
 Concen: 78.138 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111672.D
 Acq: 21 Dec 2018 7:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.0	114.0
141	29.7	31.0	46.6#

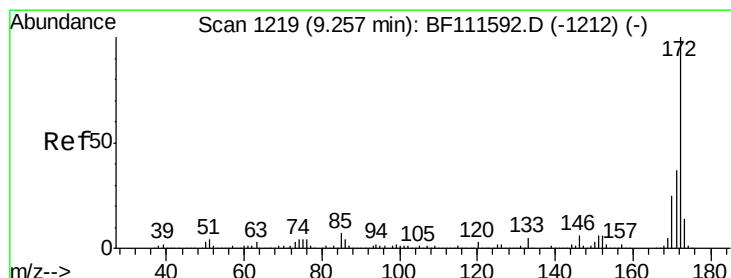
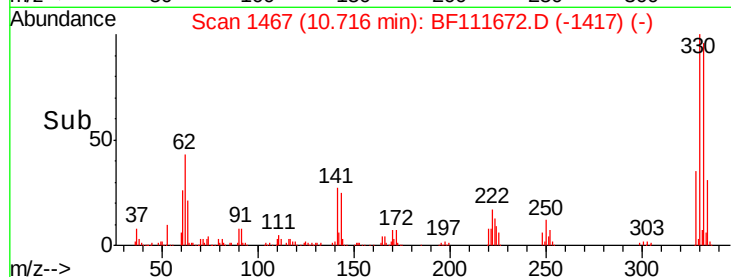
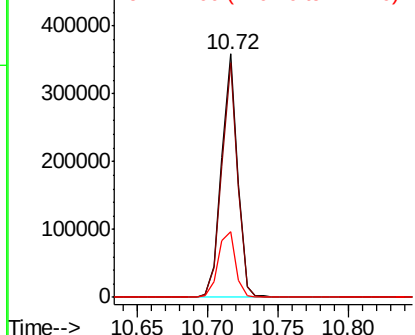


Abundance

Ion 329.80 (329.50 to 330.50): E

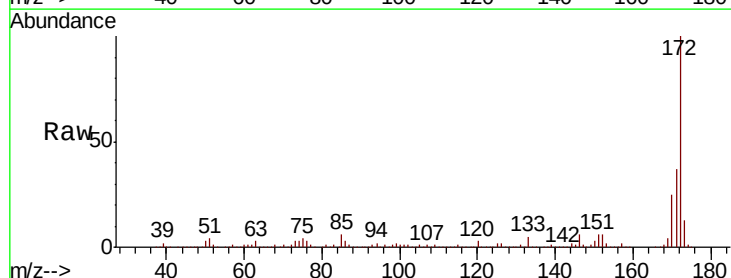
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 99.679 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111672.D
 Acq: 21 Dec 2018 7:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	33.0	49.4
170	24.9	22.3	33.5

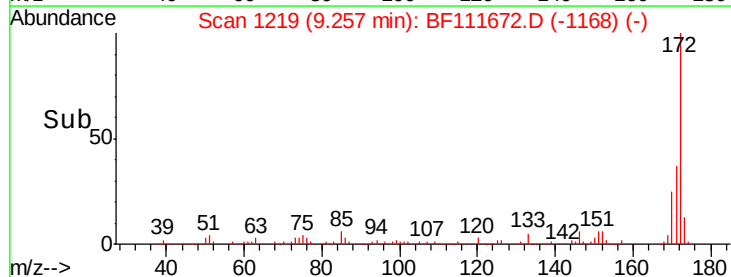
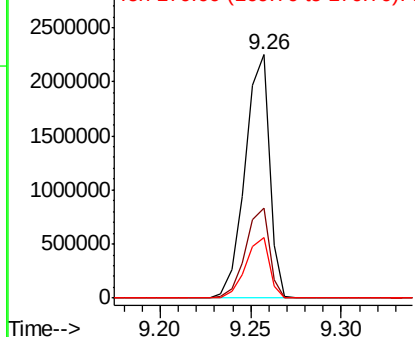


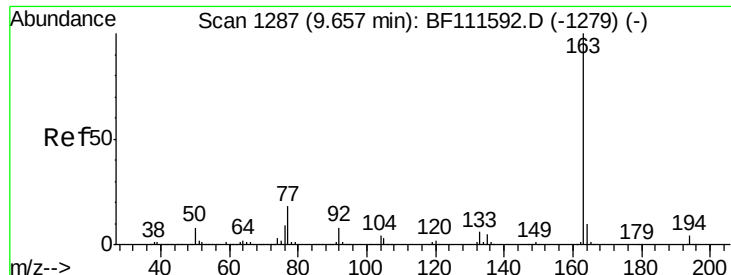
Abundance

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

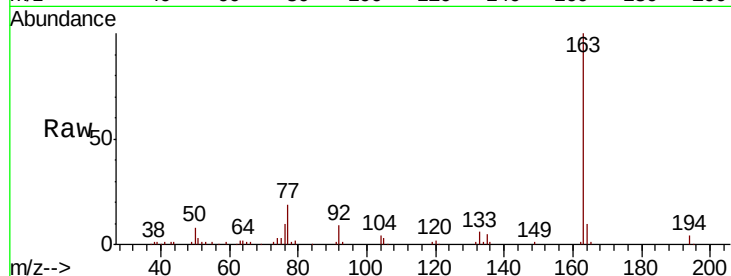




#50
Dimethylphthalate
Concen: 4.186 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111672.D
Acq: 21 Dec 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.1	8.9	13.3

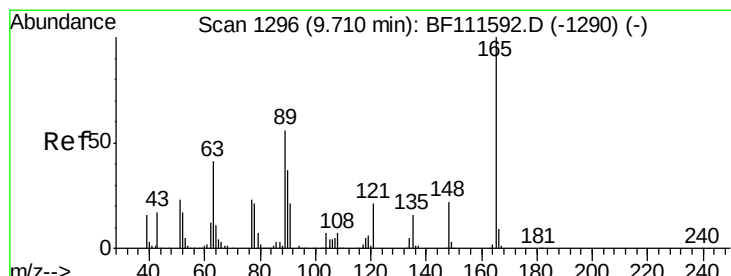
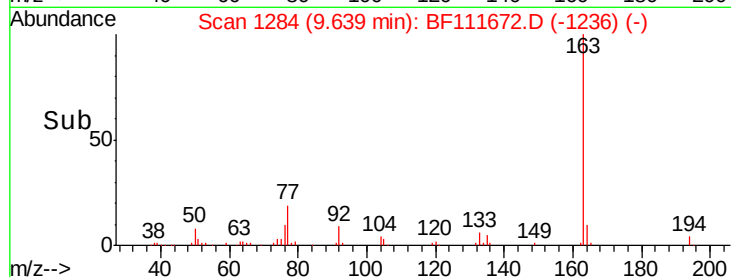
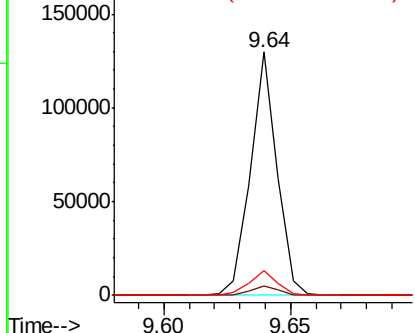


Abundance

Ion 163.00 (162.70 to 163.70): E

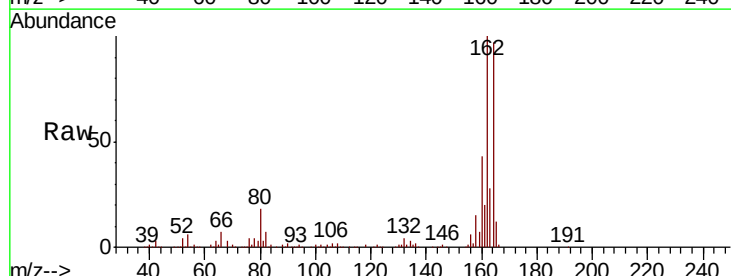
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.974 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.22 min
Lab File: BF111672.D
Acq: 21 Dec 2018 7:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.5	60.7#
89	1.8	40.0	60.0#

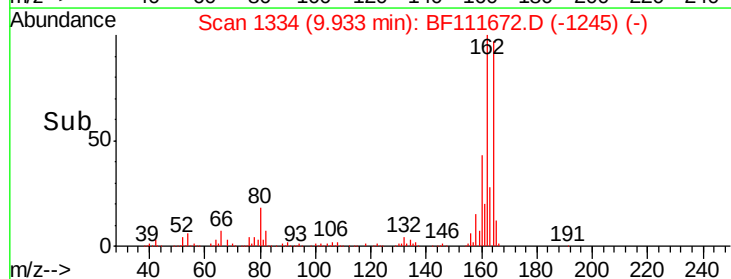
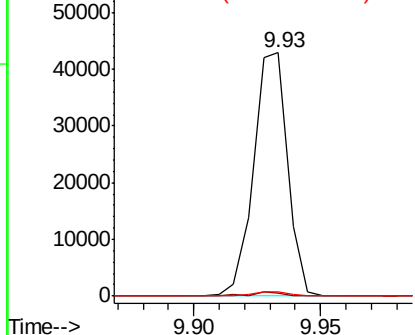


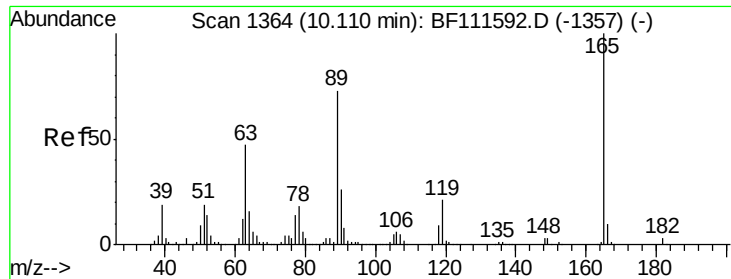
Abundance

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

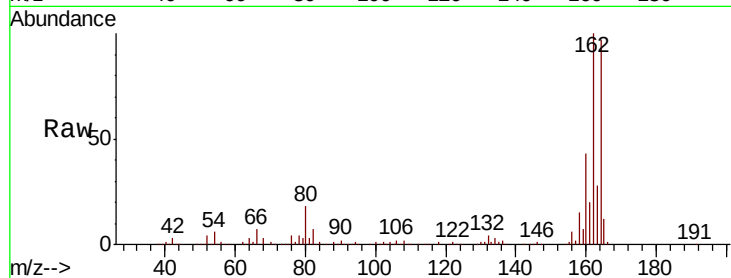




#57
 2,4-Dinitrotoluene
 Concen: 7.467 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF111672.D
 Acq: 21 Dec 2018 7:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.6	52.0#
89	1.8	56.2	84.4#
182	0.0	1.8	2.6#

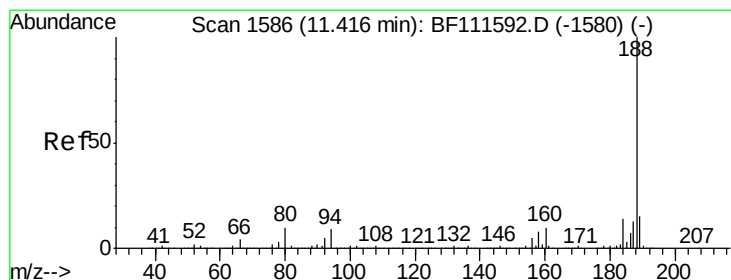
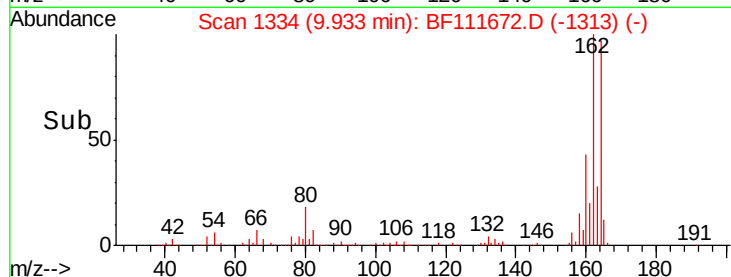
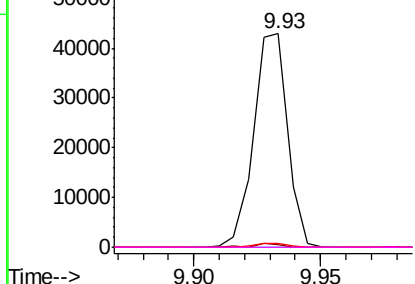


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

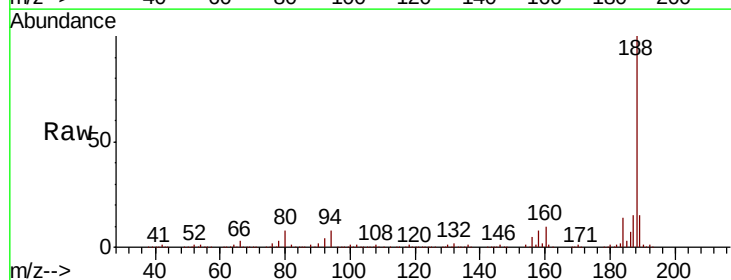
Ion 89.00 (88.70 to 89.70): BF1

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: BF111672.D
 Acq: 21 Dec 2018 7:08

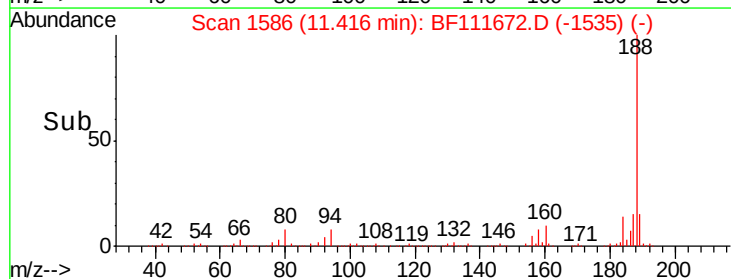
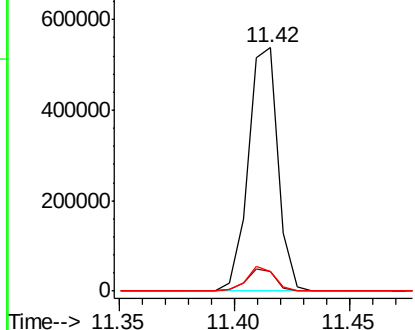
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	9.6	14.4#
80	8.1	9.8	14.6#

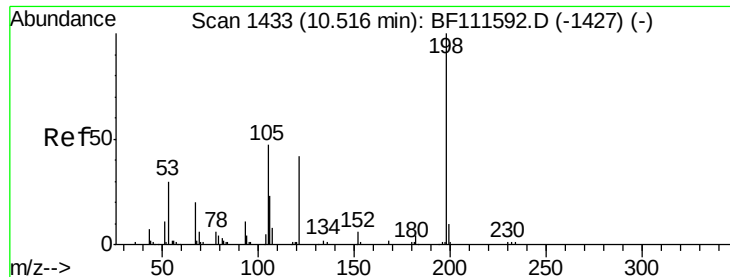


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

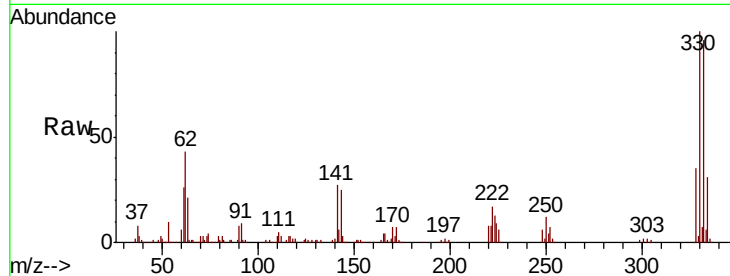




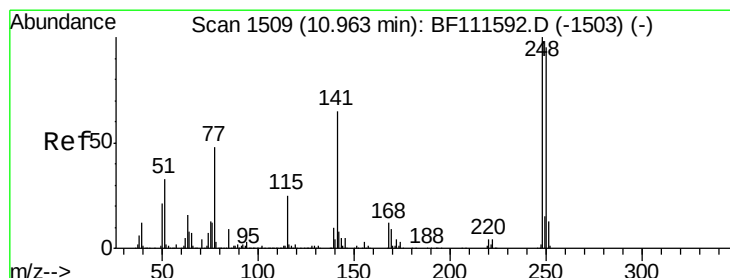
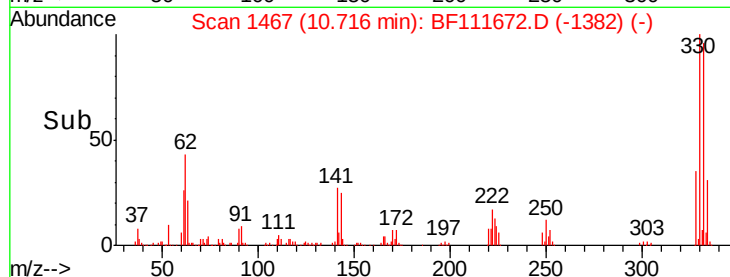
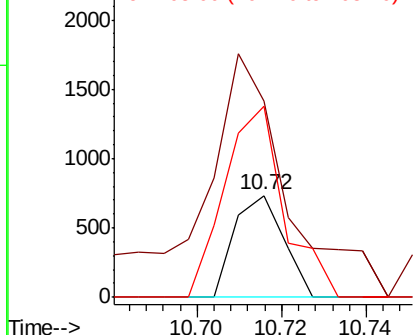
#65
4,6-Dinitro-2-methylphenol
Concen: 6.948 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.20 min
Lab File: BF111672.D
Acq: 21 Dec 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 592
Ion Ratio Lower Upper
198 100
51 192.4 48.0 88.0#
105 186.8 34.0 74.0#

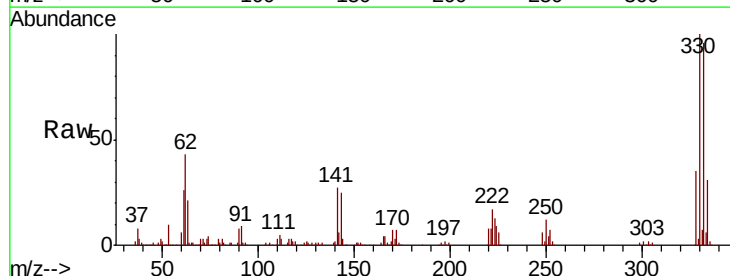


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

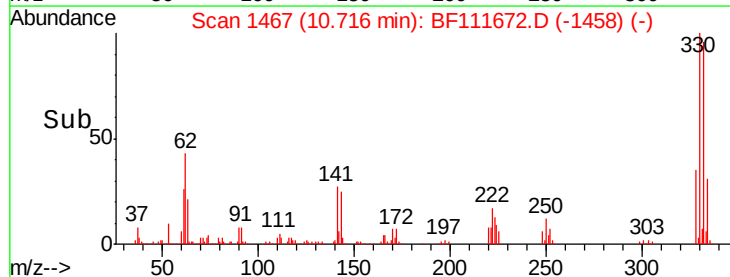
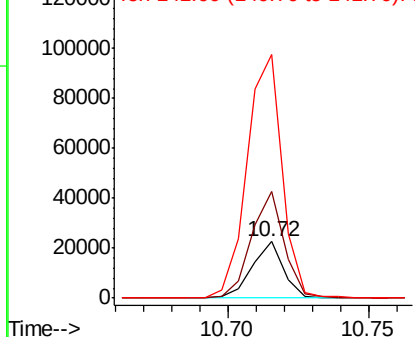


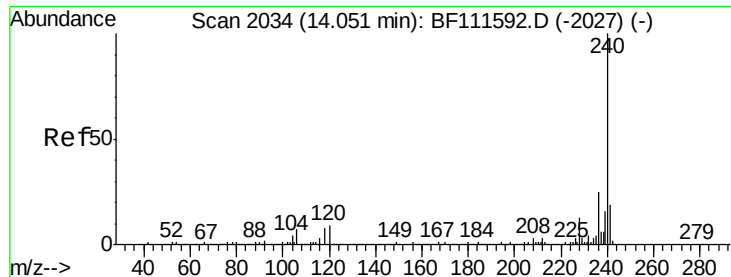
#67
4-Bromophenyl-phenylether
Concen: 2.942 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF111672.D
Acq: 21 Dec 2018 7:08

Tgt Ion:248 Resp: 17665
Ion Ratio Lower Upper
248 100
250 189.8 77.0 115.4#
141 433.2 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

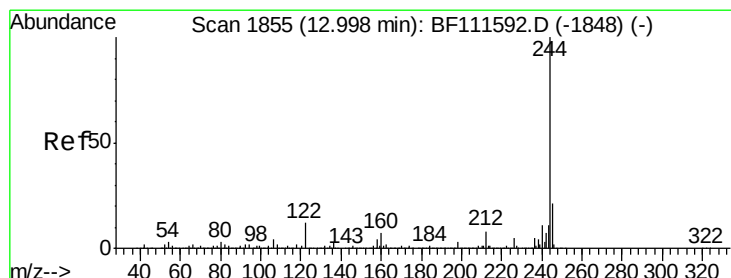
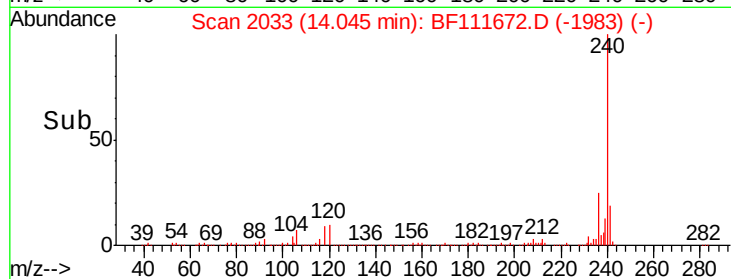
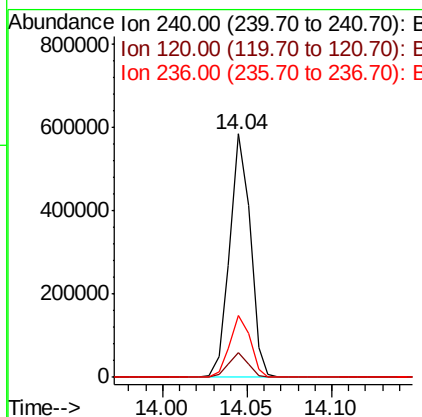
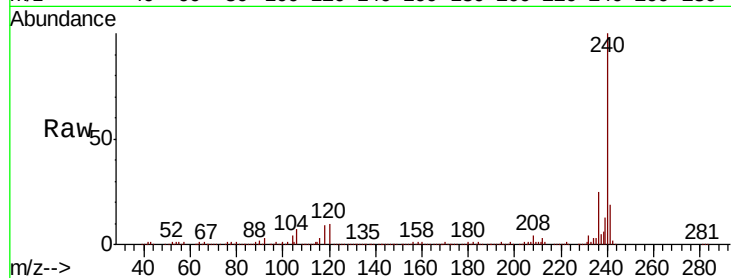




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF111672.D
 Acq: 21 Dec 2018 7:08

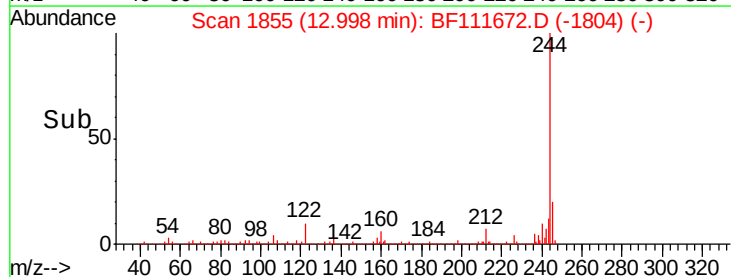
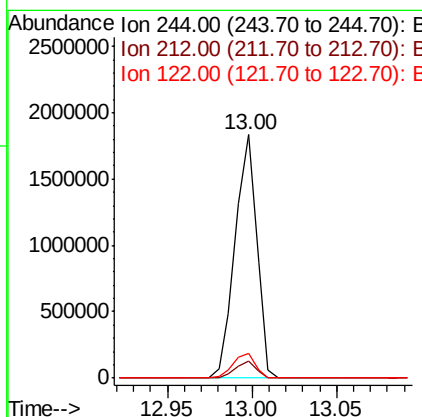
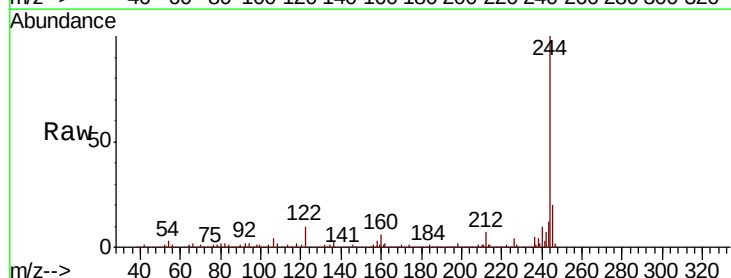
Instrument :
 BNA_F
 ClientSampleId :

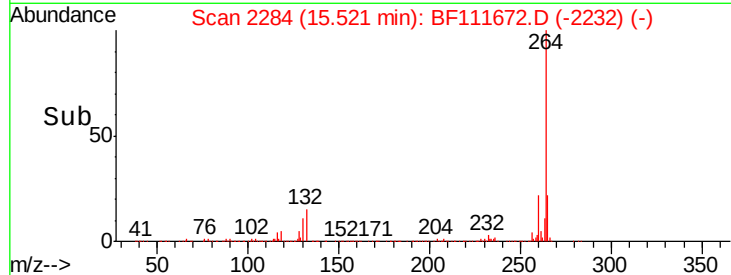
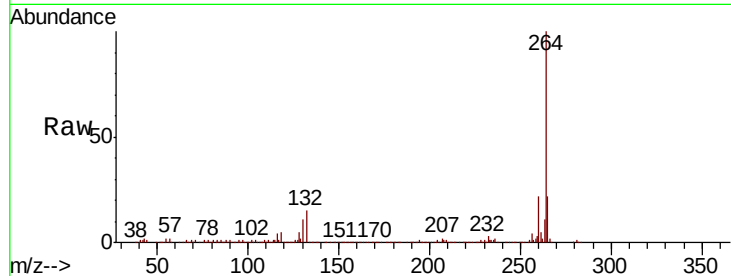
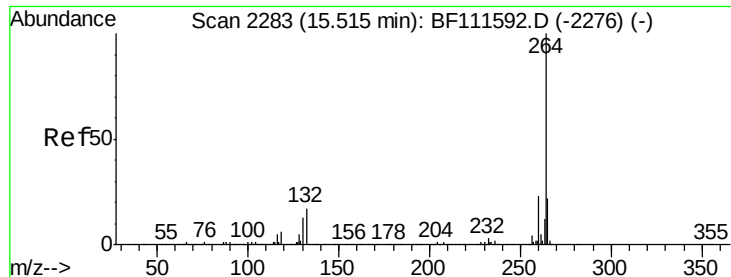
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	12.2	18.2#
236	25.2	20.2	30.2



#79
 Terphenyl-d14
 Concen: 62.830 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF111672.D
 Acq: 21 Dec 2018 7:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.4	13.1	19.7#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF111672.D
Acq: 21 Dec 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.3	27.5
265	21.6	17.7	26.5

