

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111674.D
 Acq On : 21 Dec 2018 8:02
 Operator : JU/SJ
 Sample : J6478-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 21 09:36:26 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

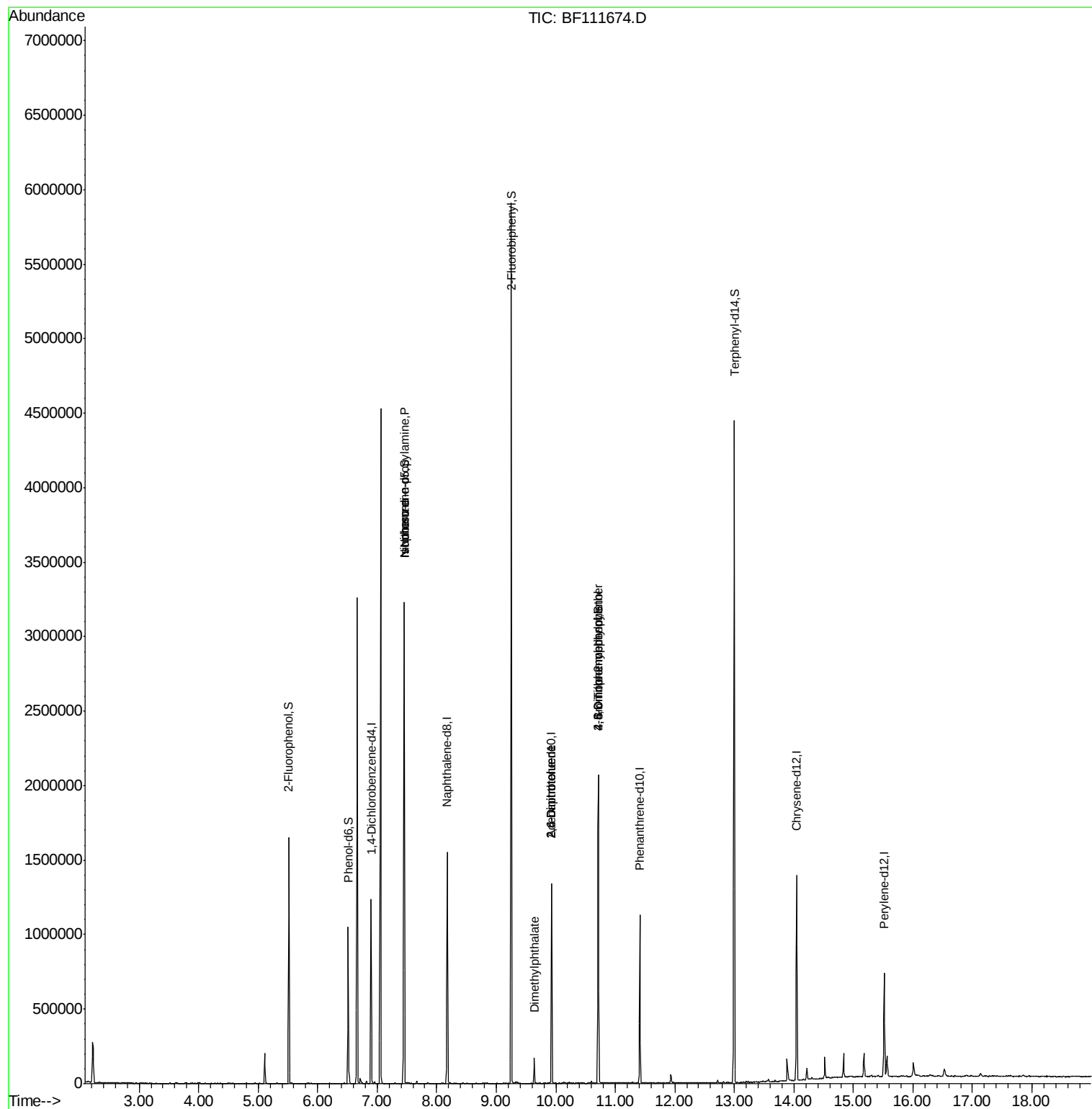
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	181236	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	633340	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	276754	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	435013	20.00	ng	0.00
76) Chrysene-d12	14.04	240	445668	20.00	ng	0.00
87) Perylene-d12	15.52	264	327330	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	388914	36.58	ng	0.00
7) Phenol-d6	6.51	99	291142	21.52	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1094275	100.57	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	241041	73.71	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1923123	101.28	ng	0.00
79) Terphenyl-d14	13.00	244	1469398	62.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	150771	16.777	ng	# 75
25) Isophorone	7.46	82	1094262	56.650	ng	# 64
50) Dimethylphthalate	9.64	163	59524	2.941	ng	# 97
51) 2,6-Dinitrotoluene	9.93	165	35396	8.771	ng	# 30
57) 2,4-Dinitrotoluene	9.93	165	35396	7.298	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.71	198	405	6.887	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	14664	2.718	ng	# 1

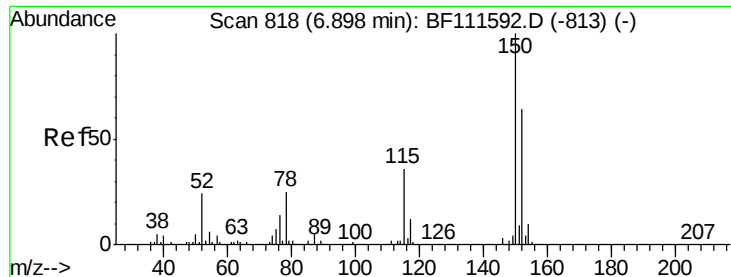
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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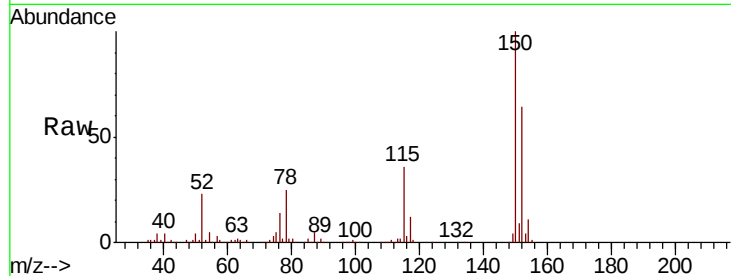


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111674.D
Acq: 21 Dec 2018 8:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.6	189.8
115	56.7	50.7	76.1

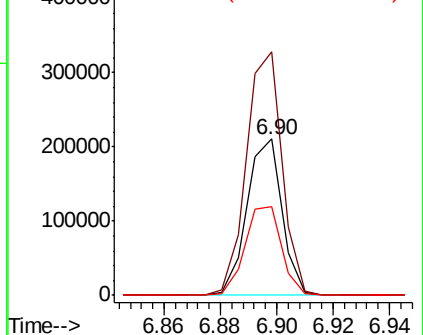
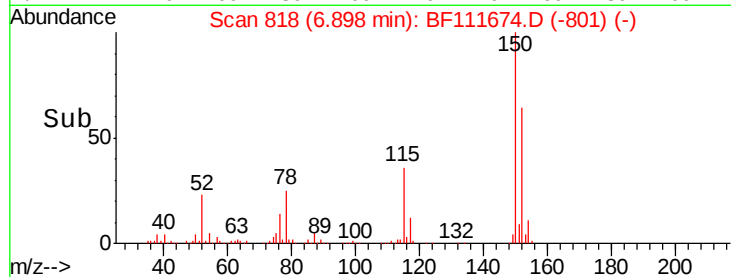


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

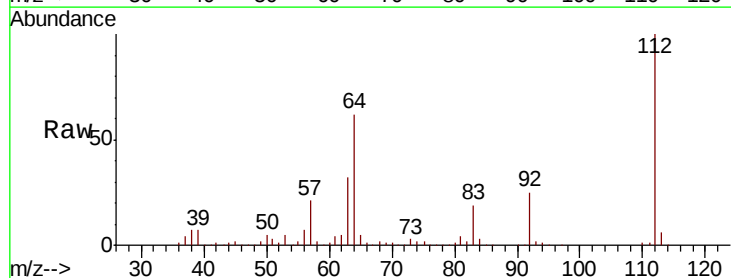
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 36.578 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111674.D
Acq: 21 Dec 2018 8:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	51.8	77.6
63	32.5	26.8	40.2

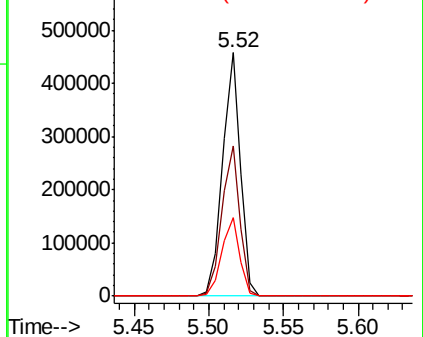
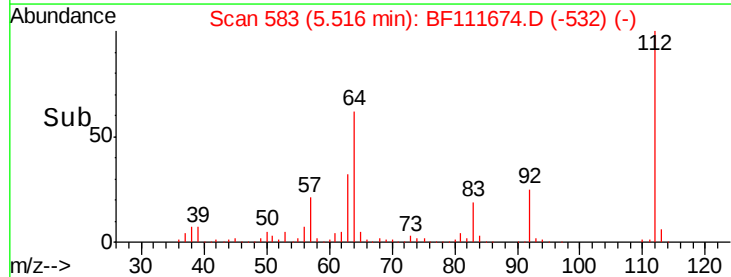


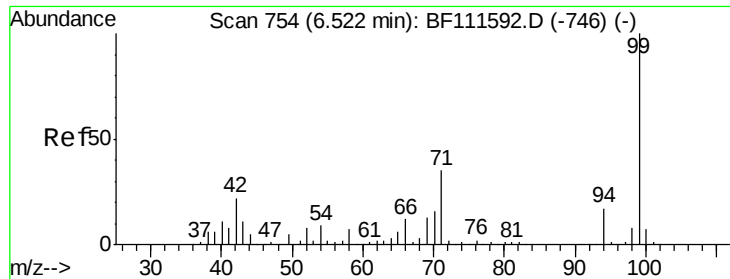
Abundance

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: 21.516 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF111674.D

Acq: 21 Dec 2018 8:02

Instrument :

BNA_F

ClientSampleId :

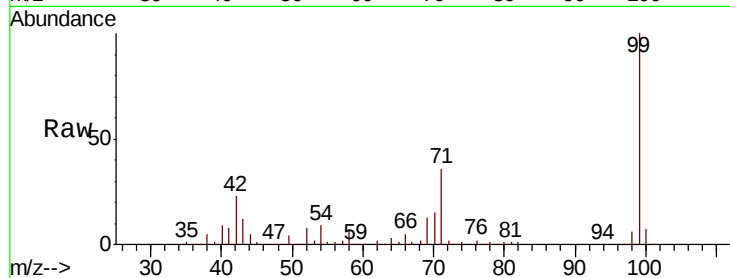
Tot Ion: 99 Resp: 291142

Ion Ratio Lower Upper

99 100

42 23.3 17.4 26.0

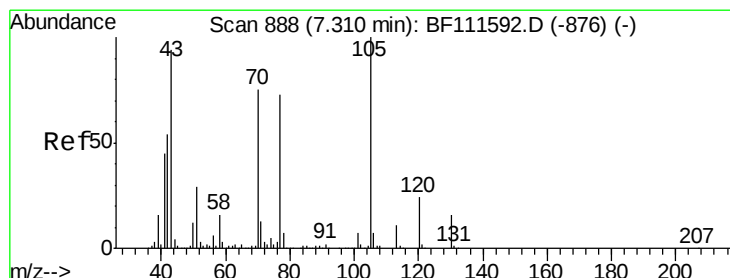
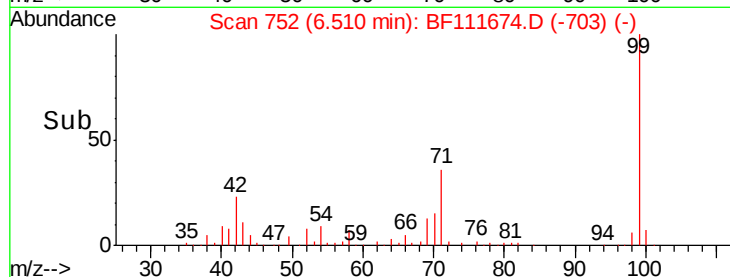
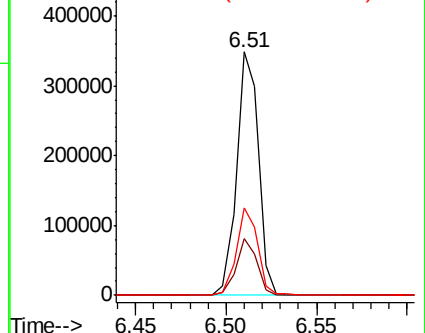
71 36.0 26.1 39.1



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: 16.777 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF111674.D

Acq: 21 Dec 2018 8:02

Tgt Ion: 70 Resp: 150771

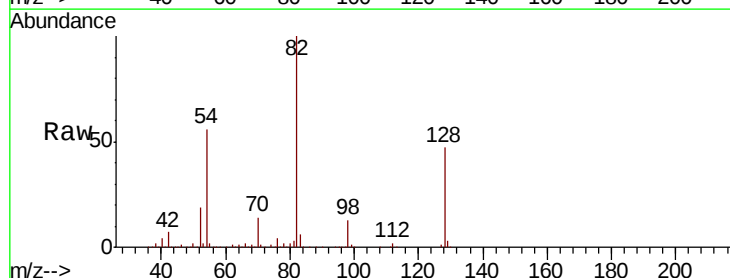
Ion Ratio Lower Upper

70 100

42 52.1 53.2 79.8#

101 0.0 8.2 12.4#

130 2.1 18.1 27.1#

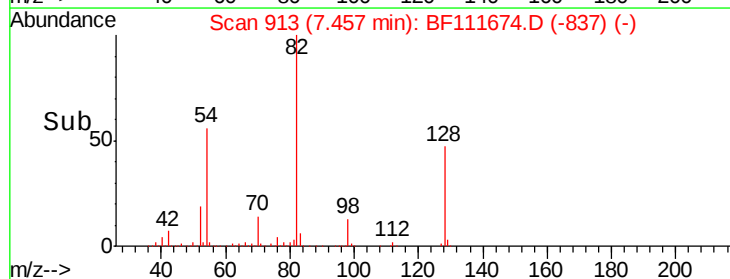
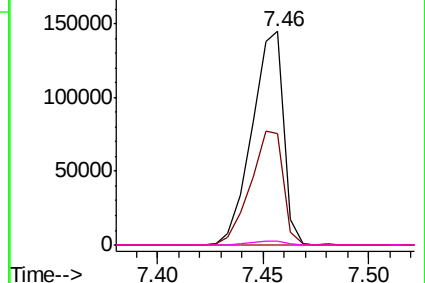


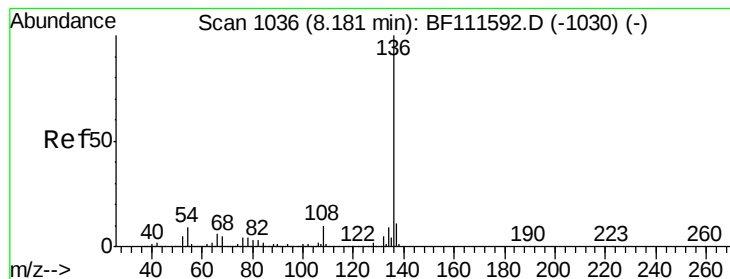
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF111674.D

Acq: 21 Dec 2018 8:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 633340

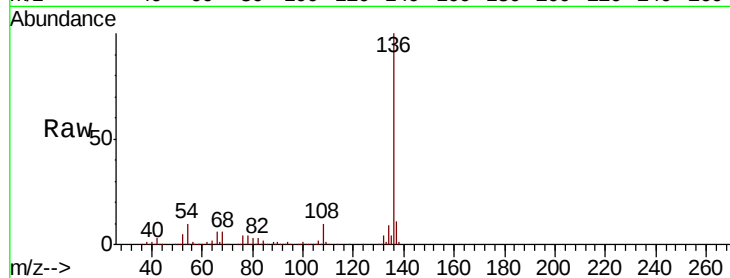
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 9.6 7.7 11.5

68 5.6 4.9 7.3

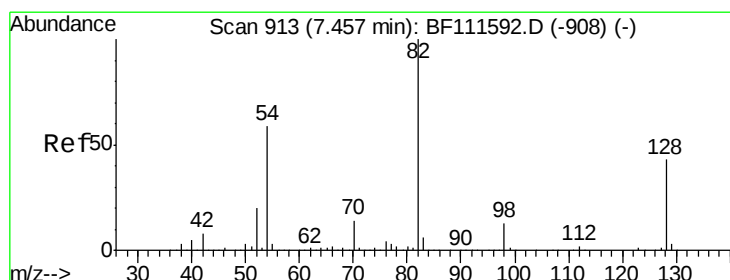
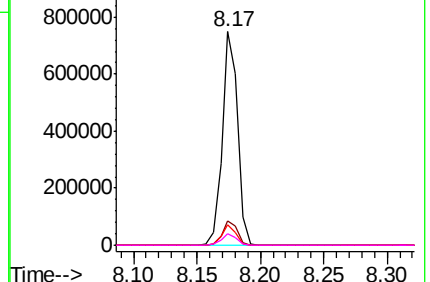
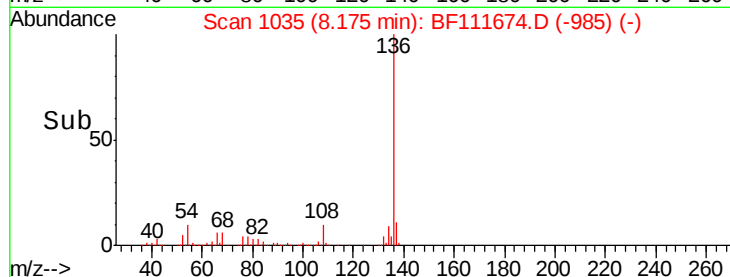


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 100.570 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF111674.D

Acq: 21 Dec 2018 8:02

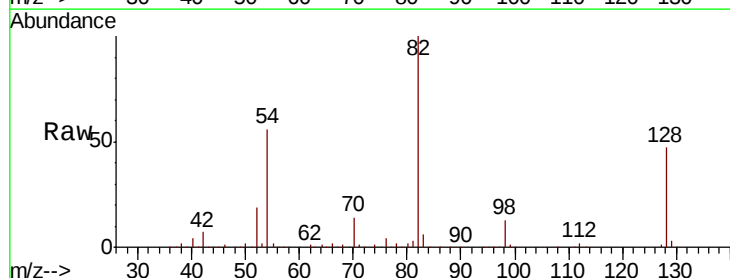
Tgt Ion: 82 Resp: 1094275

Ion Ratio Lower Upper

82 100

128 46.9 37.4 56.2

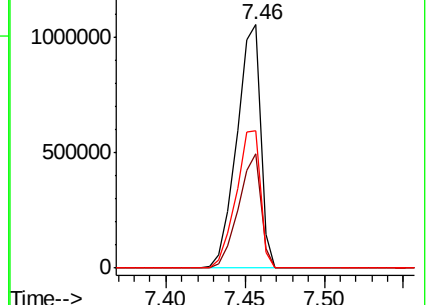
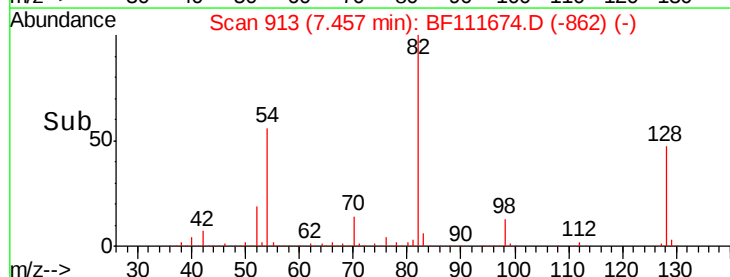
54 56.3 47.6 71.4

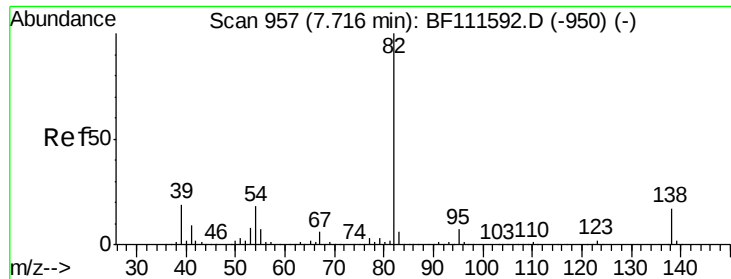


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 56.650 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF111674.D

Acq: 21 Dec 2018 8:02

Instrument :

BNA_F

ClientSampleId :

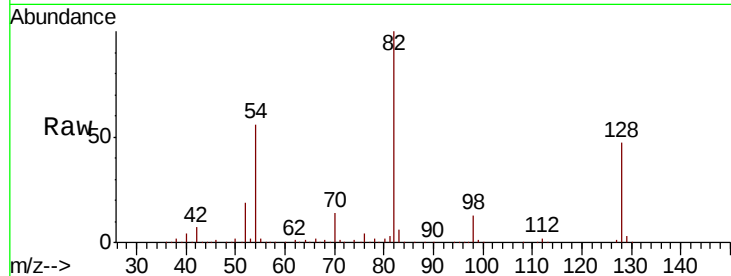
Tot Ion: 82 Resp: 1094262

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

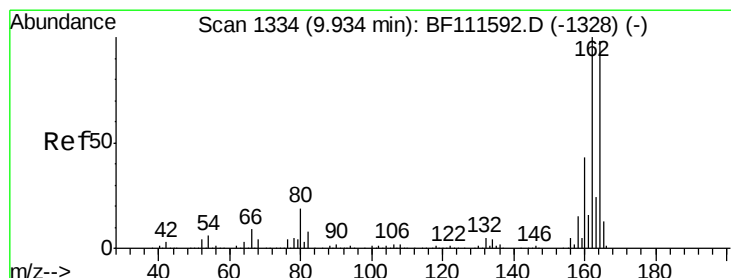
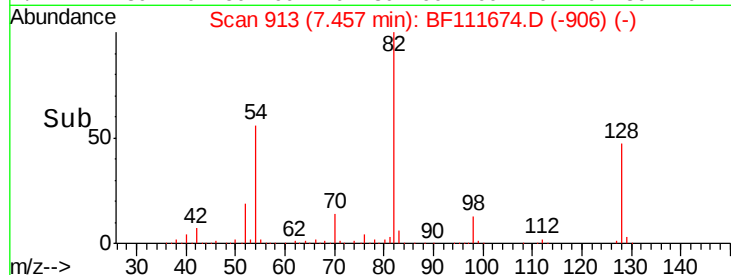
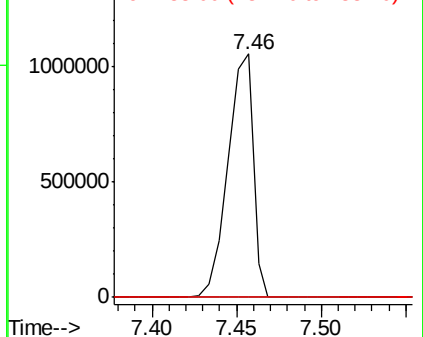
138 0.0 15.1 22.7#



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# 1333

Delta R.T. -0.01 min

Lab File: BF111674.D

Acq: 21 Dec 2018 8:02

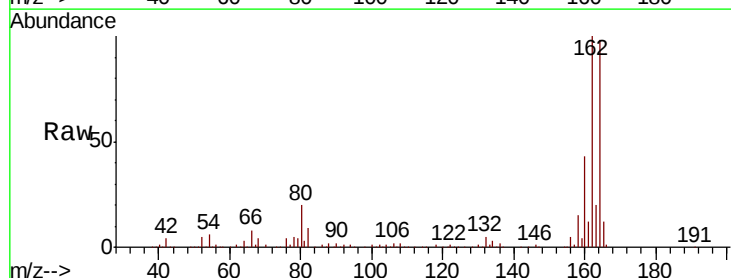
Tgt Ion:164 Resp: 276754

Ion Ratio Lower Upper

164 100

162 102.5 81.4 122.0

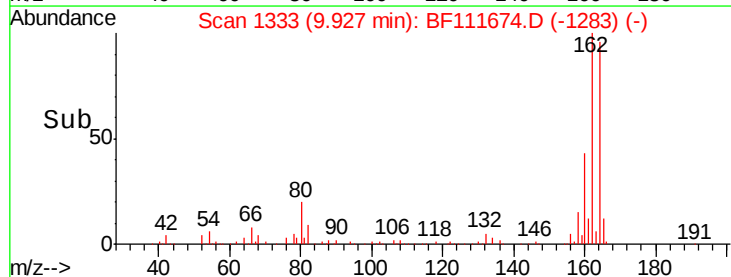
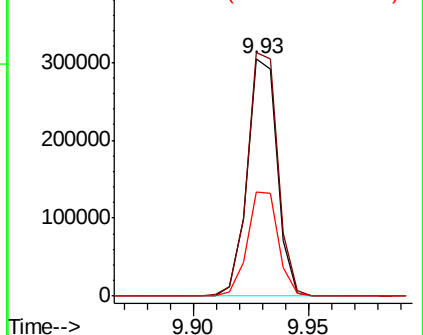
160 43.9 35.7 53.5

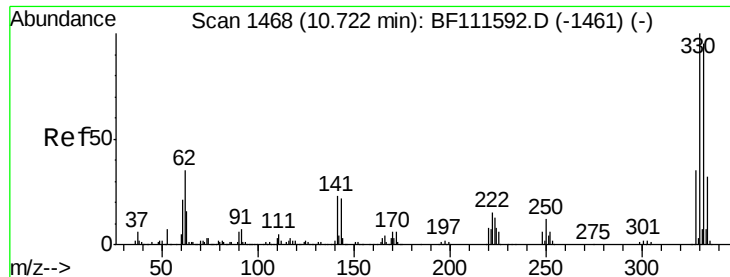


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

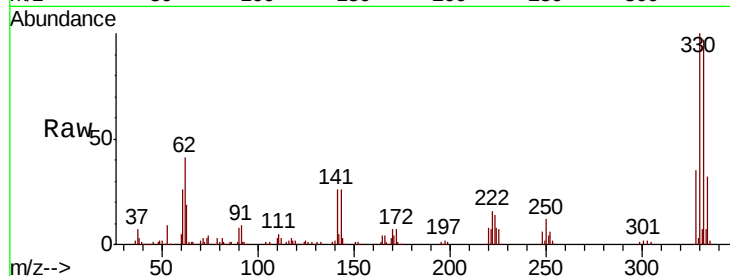




#42
 2,4,6-Tribromophenol
 Concen: 73.711 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111674.D
 Acq: 21 Dec 2018 8:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.0	114.0
141	29.7	31.0	46.6#

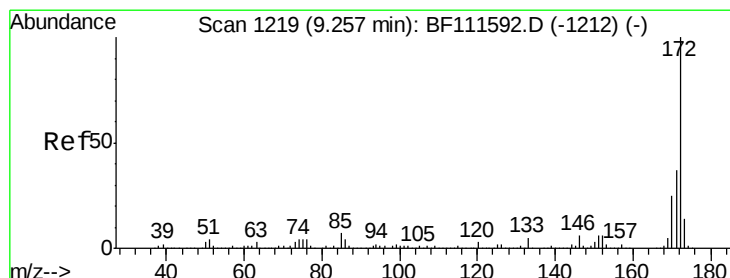
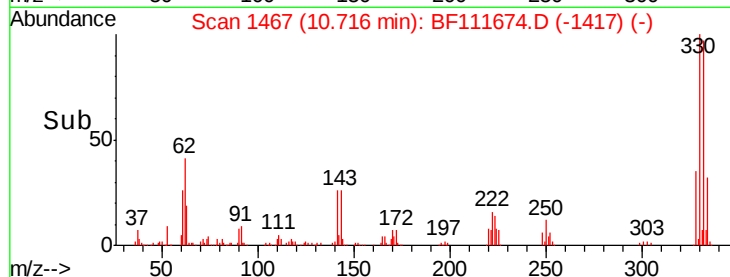
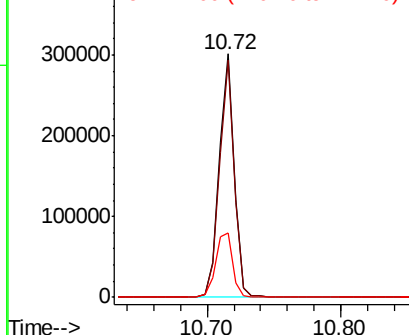


Abundance

Ion 329.80 (329.50 to 330.50): E

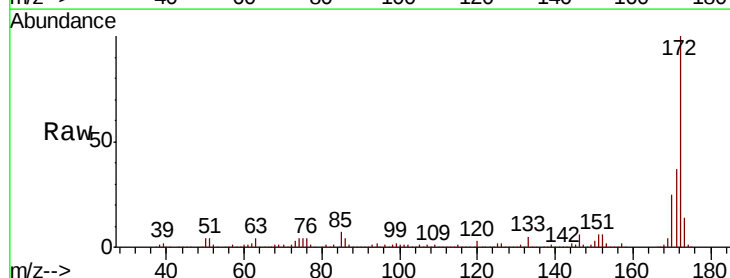
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 101.285 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111674.D
 Acq: 21 Dec 2018 8:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	33.0	49.4
170	24.6	22.3	33.5

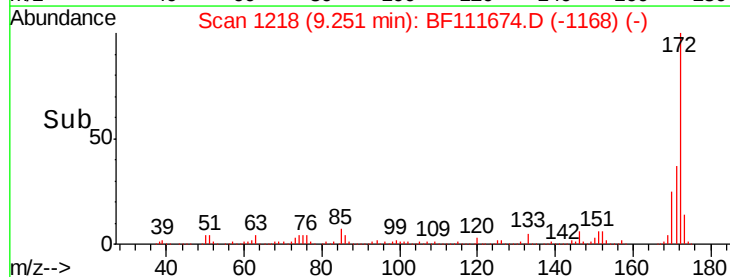
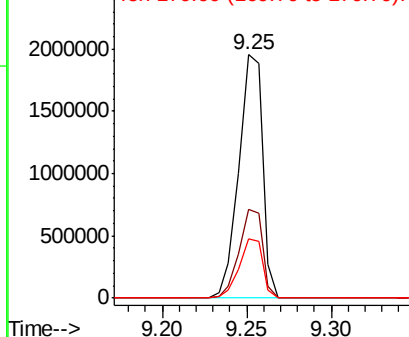


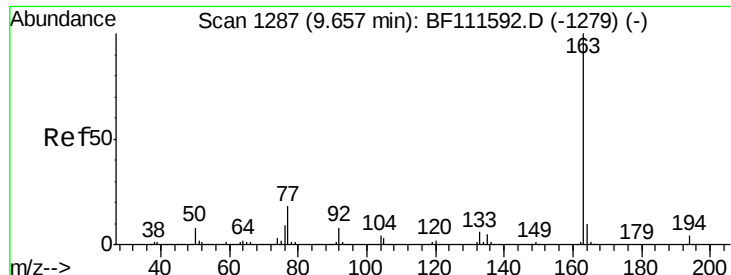
Abundance

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

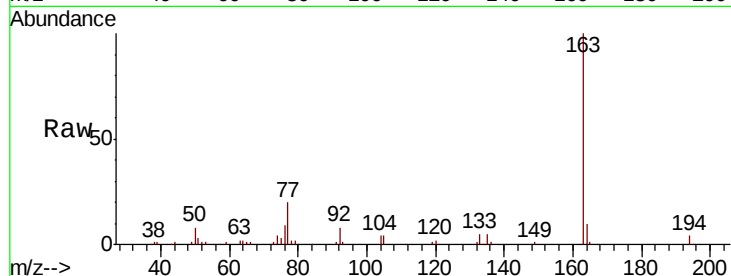




#50
Dimethylphthalate
Concen: 2.941 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111674.D
Acq: 21 Dec 2018 8:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.6
164	9.7	8.9	13.3

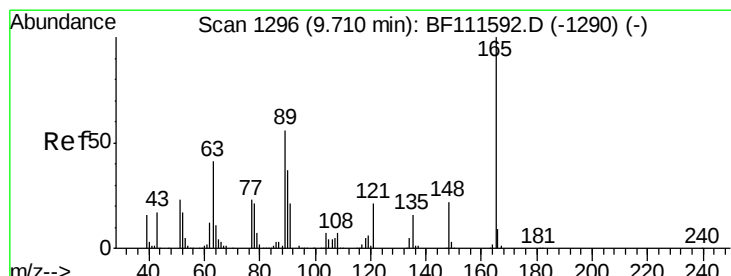
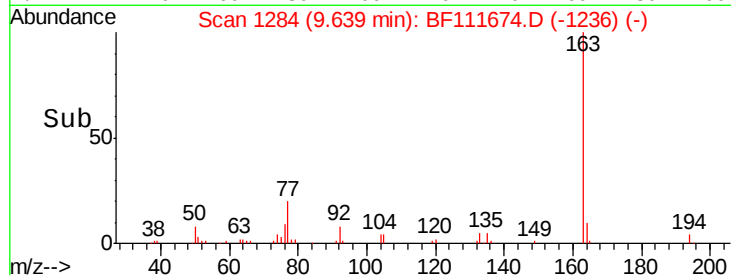
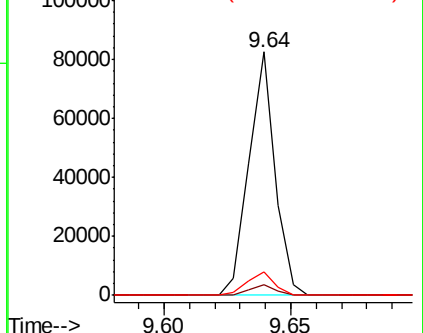


Abundance

Ion 163.00 (162.70 to 163.70): E

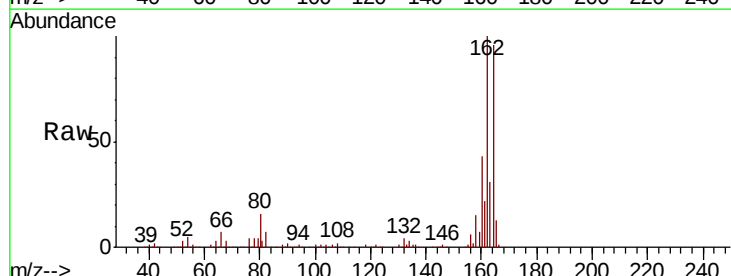
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.771 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.22 min
Lab File: BF111674.D
Acq: 21 Dec 2018 8:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.5	60.7#
89	1.9	40.0	60.0#

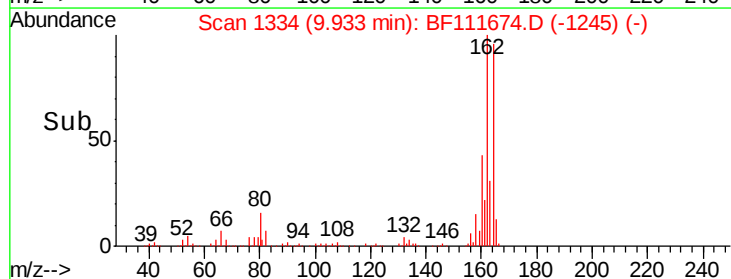
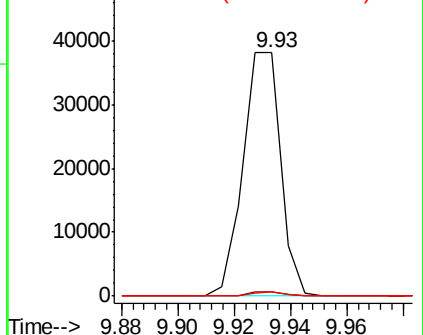


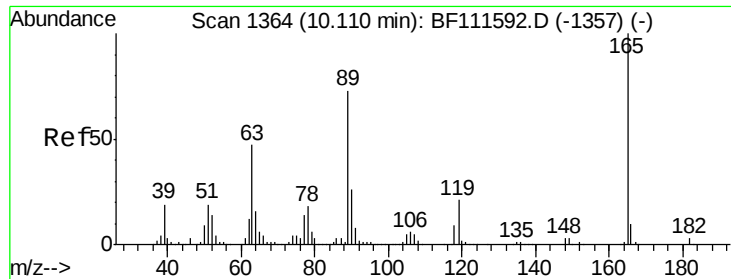
Abundance

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

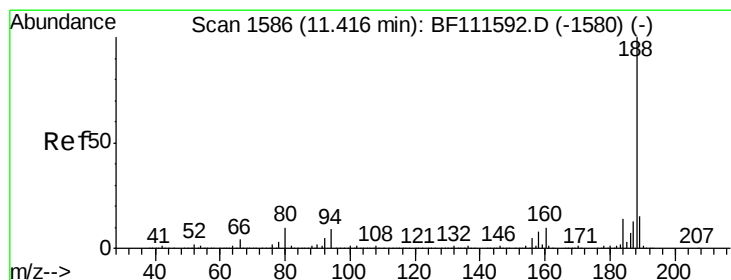
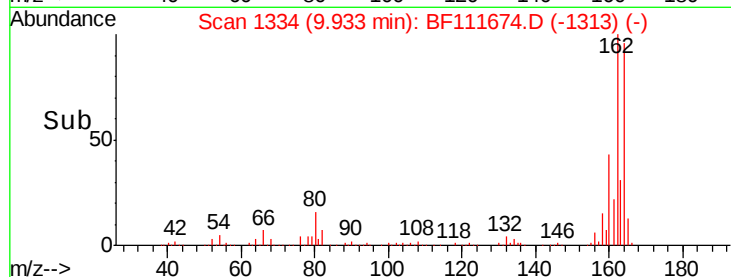
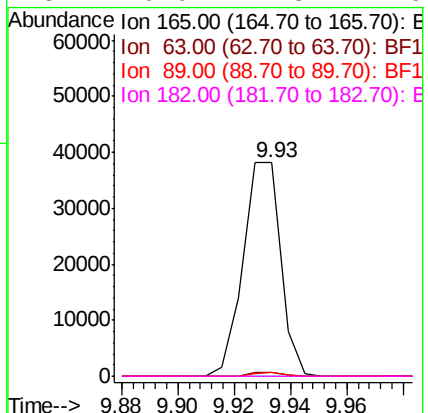
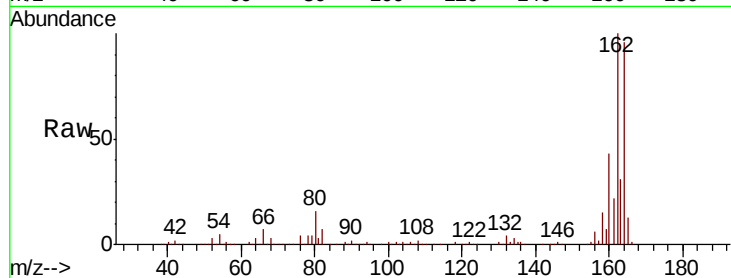




#57
 2,4-Dinitrotoluene
 Concen: 7.298 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF111674.D
 Acq: 21 Dec 2018 8:02

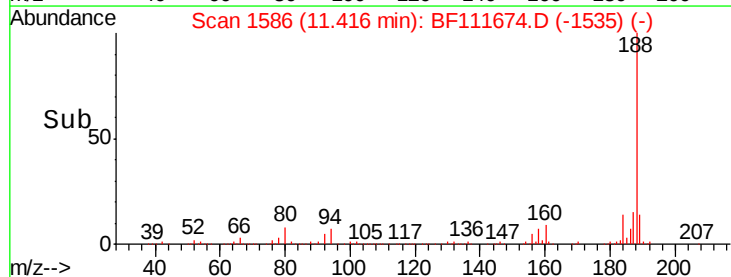
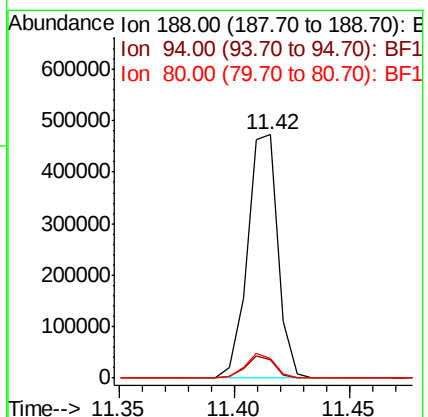
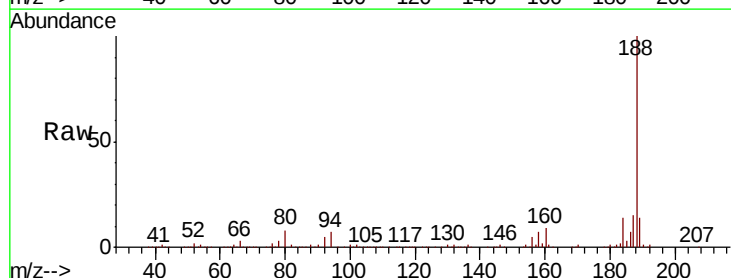
Instrument :
 BNA_F
 ClientSampleId :

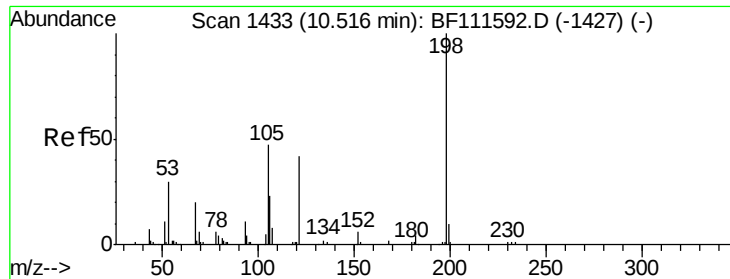
Tot Ion:165	Resp:	35396
Ion Ratio	Lower	Upper
165 100		
63 1.9	34.6	52.0#
89 1.9	56.2	84.4#
182 0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111674.D
 Acq: 21 Dec 2018 8:02

Tgt Ion:188	Resp:	435013
Ion Ratio	Lower	Upper
188 100		
94 7.4	9.6	14.4#
80 7.9	9.8	14.6#





#65

4,6-Dinitro-2-methylphenol

Concen: 6.887 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF111674.D

Acq: 21 Dec 2018 8:02

Instrument :

BNA_F

ClientSampleId :

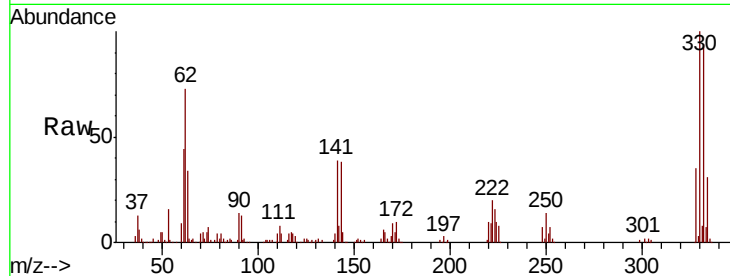
Tot Ion:198 Resp: 405

Ion Ratio Lower Upper

198 100

51 257.2 48.0 88.0#

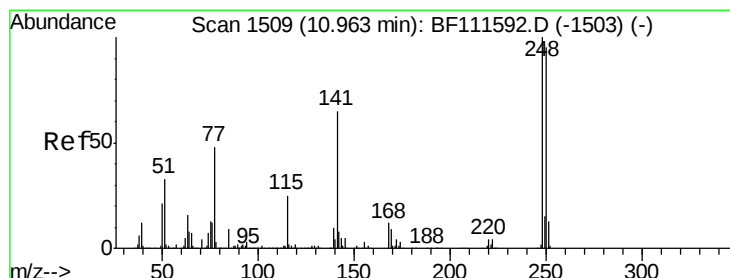
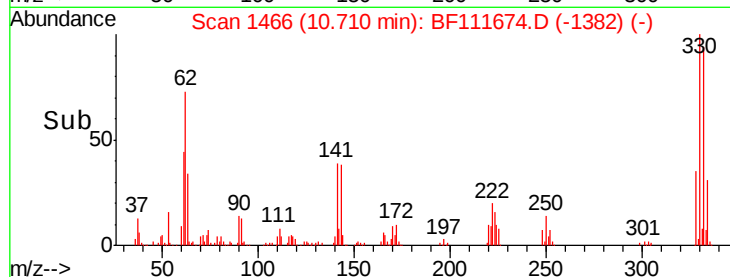
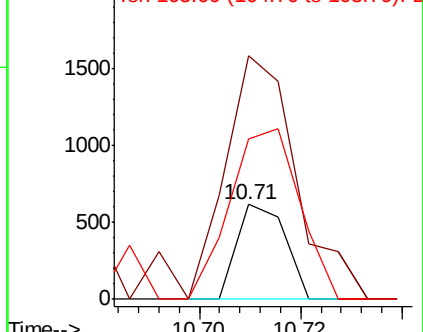
105 169.3 34.0 74.0#



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: 2.718 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.25 min

Lab File: BF111674.D

Acq: 21 Dec 2018 8:02

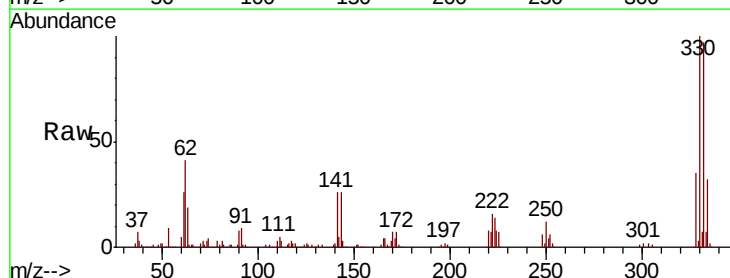
Tgt Ion:248 Resp: 14664

Ion Ratio Lower Upper

248 100

250 194.4 77.0 115.4#

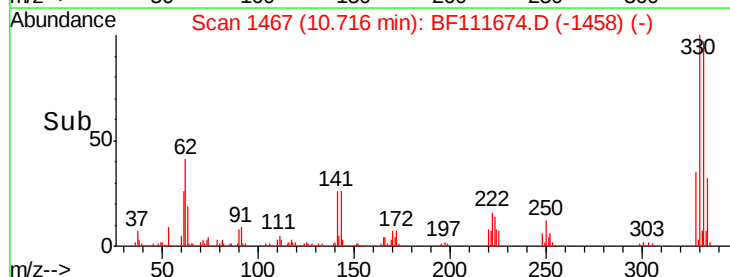
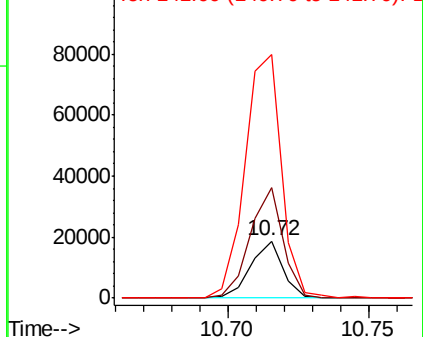
141 427.9 63.0 94.6#

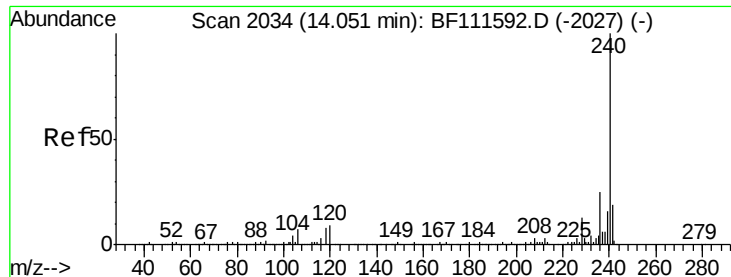


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

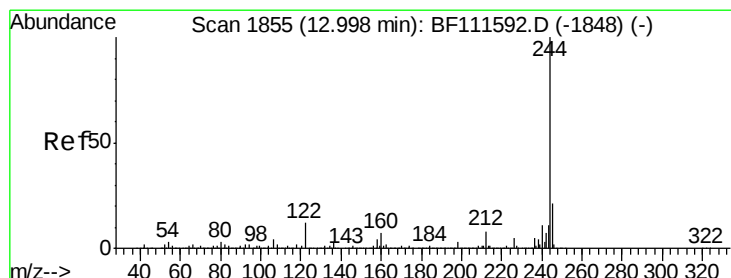
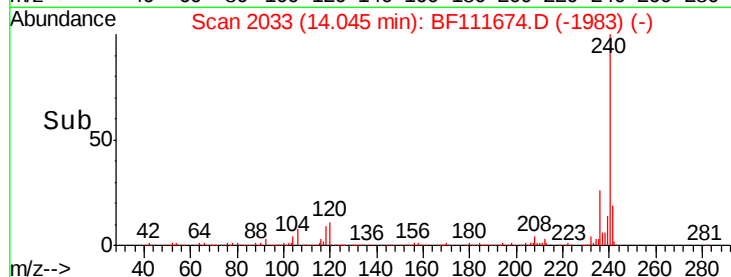
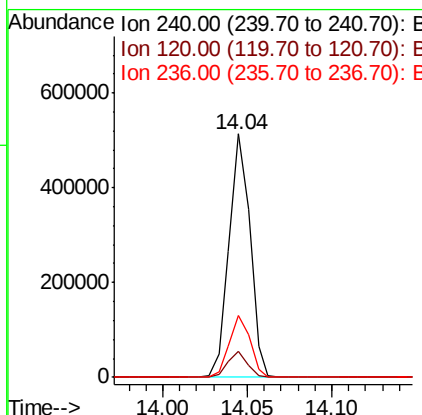
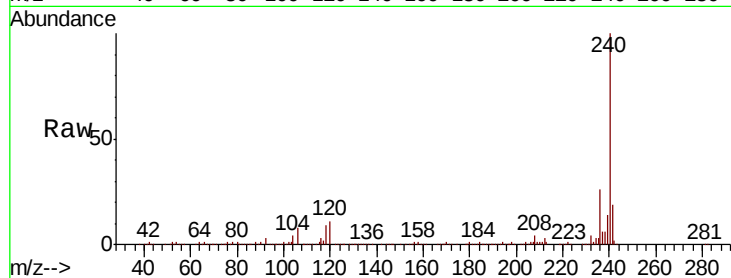




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF111674.D
 Acq: 21 Dec 2018 8:02

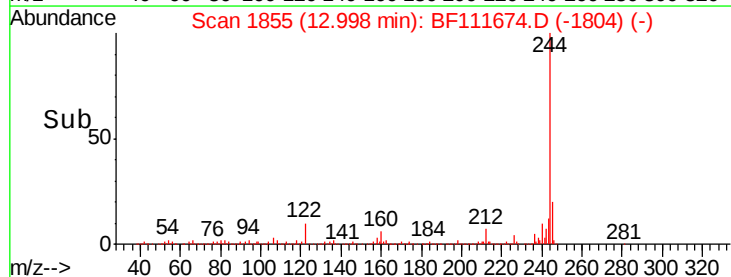
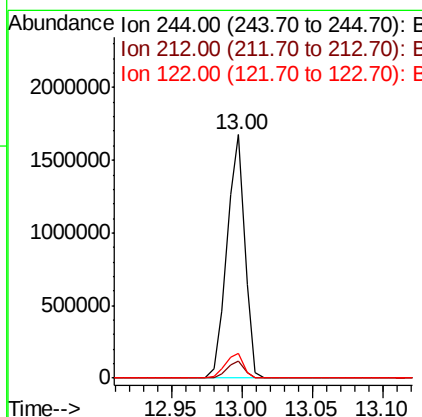
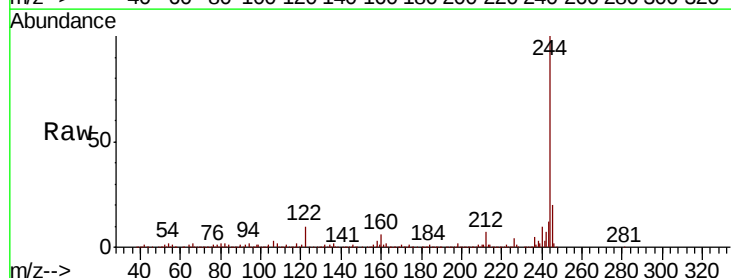
Instrument :
 BNA_F
 ClientSampleId :

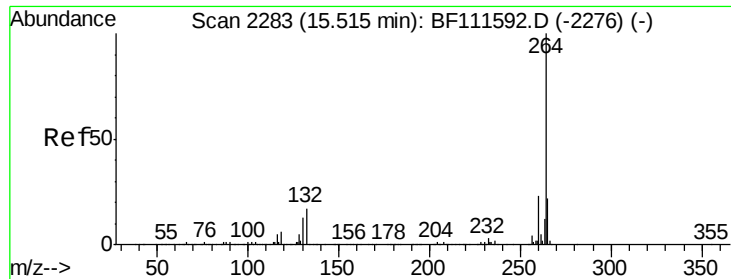
Tot Ion:240 Resp: 445668
 Ion Ratio Lower Upper
 240 100
 120 10.7 12.2 18.2#
 236 25.6 20.2 30.2



#79
 Terphenyl-d14
 Concen: 62.526 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF111674.D
 Acq: 21 Dec 2018 8:02

Tgt Ion:244 Resp: 1469398
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.1 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: BF111674.D
Acq: 21 Dec 2018 8:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	21.4	17.7	26.5

