

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111675.D
 Acq On : 21 Dec 2018 8:29
 Operator : JU/SJ
 Sample : J6502-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 21 09:36:38 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	173013	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	599400	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	265686	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	418089	20.00	ng	0.00
76) Chrysene-d12	14.04	240	436050	20.00	ng	0.00
87) Perylene-d12	15.52	264	329976	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	386351	38.06	ng	0.00
7) Phenol-d6	6.51	99	292409	22.64	ng	-0.01
23) Nitrobenzene-d5	7.45	82	994000	96.53	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	231167	73.64	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1763040	96.72	ng	0.00
79) Terphenyl-d14	13.00	244	1415381	61.56	ng	0.00

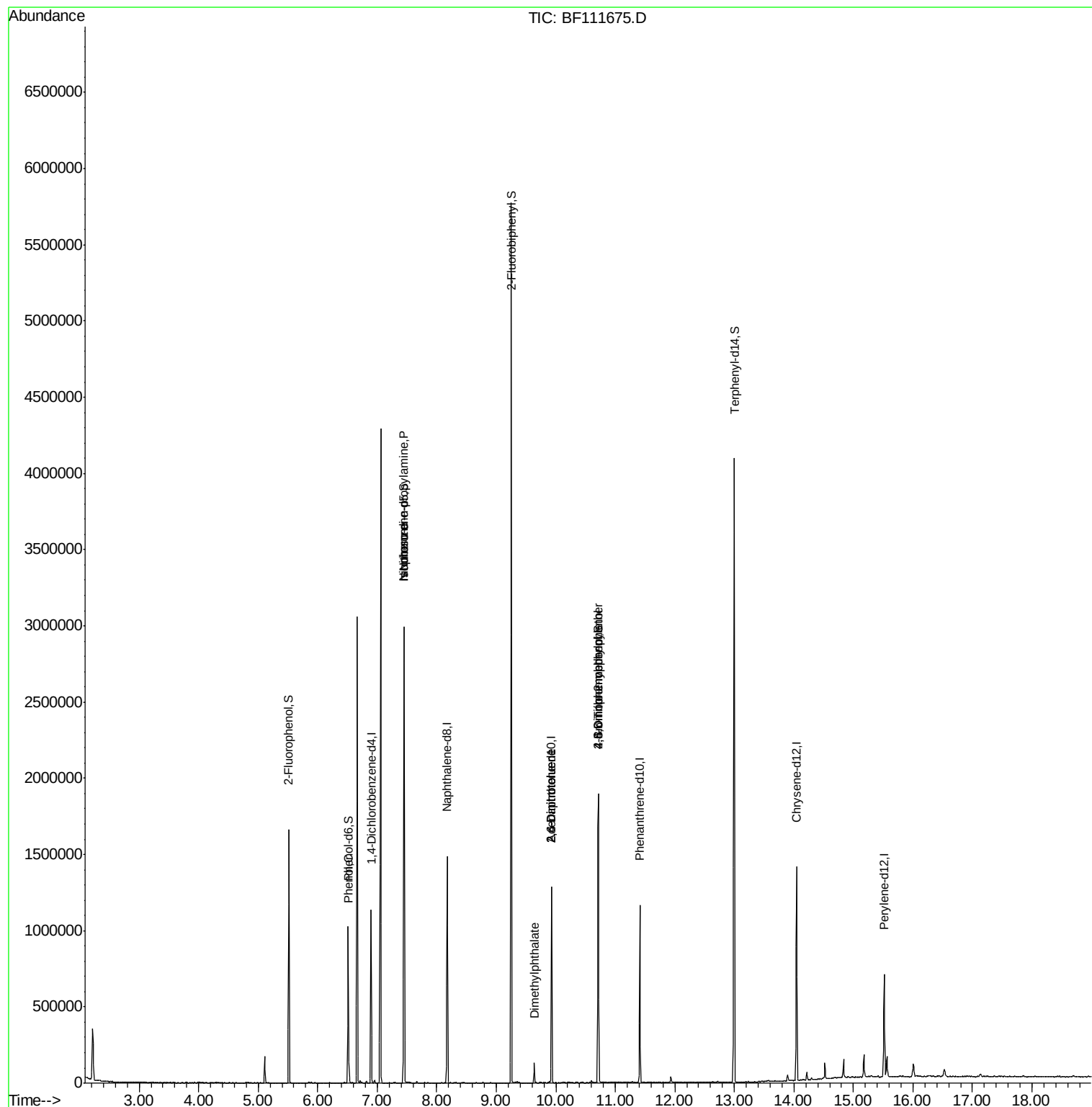
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	37282	2.558	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	134267	15.651	ng	# 79
25) Isophorone	7.45	82	993988	54.372	ng	# 64
50) Dimethylphthalate	9.64	163	44810	2.306	ng	# 98
51) 2,6-Dinitrotoluene	9.93	165	34052	8.790	ng	# 29
57) 2,4-Dinitrotoluene	9.93	165	34052	7.313	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.71	198	362	6.873	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	14368	2.771	ng	# 1

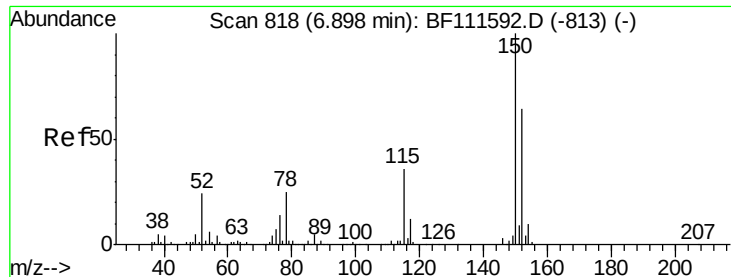
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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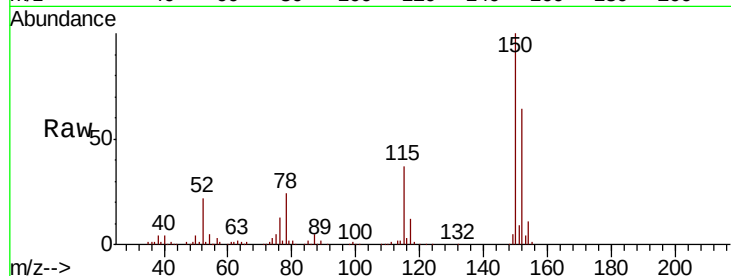


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.6	189.8
115	57.5	50.7	76.1

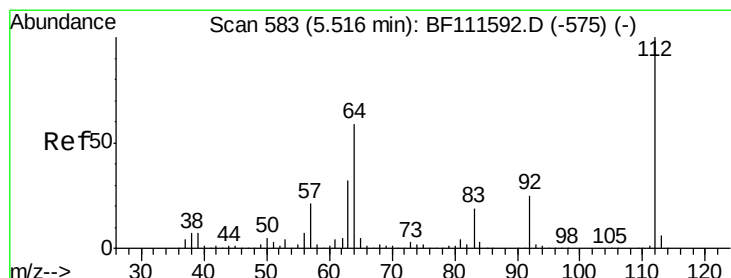
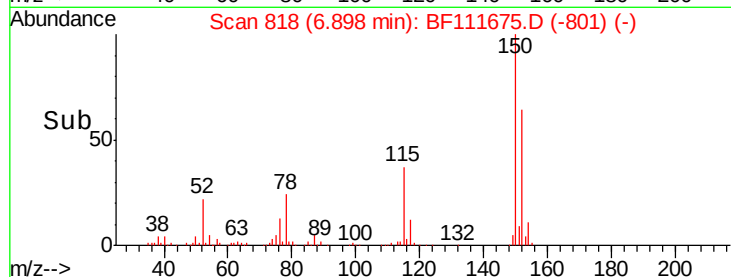
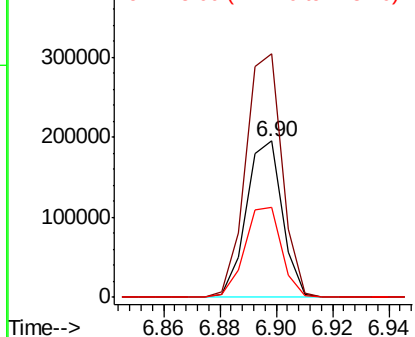


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

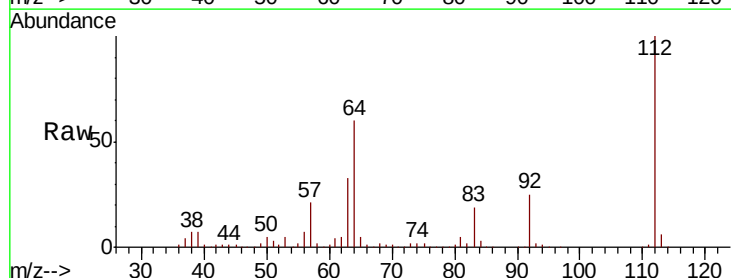
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 38.064 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	51.8	77.6
63	32.5	26.8	40.2

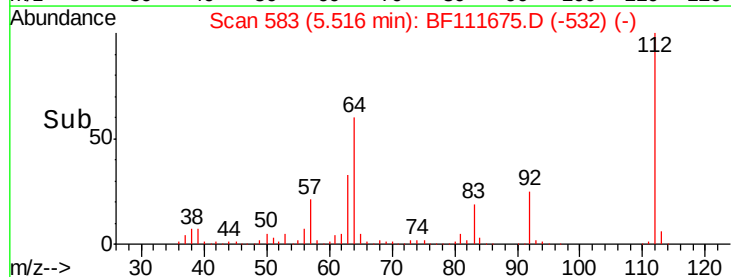
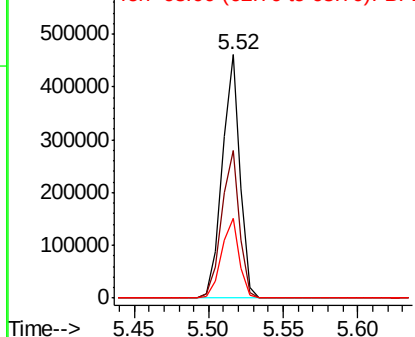


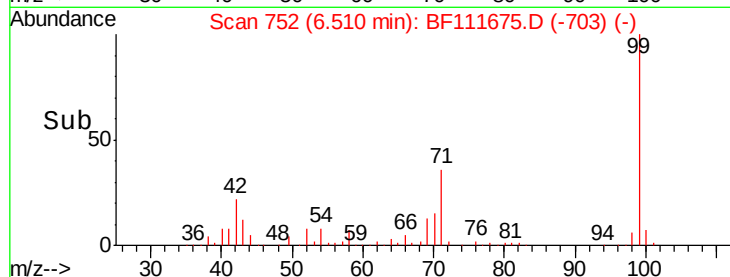
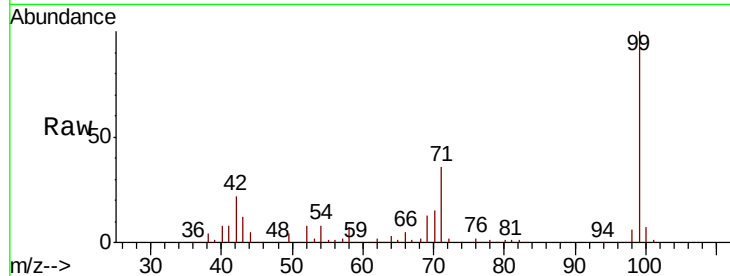
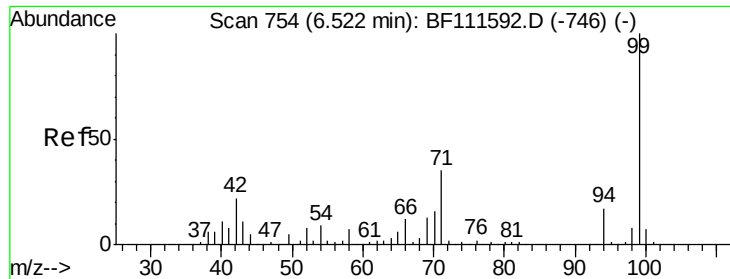
Abundance

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: 22.636 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

Instrument :

BNA_F

ClientSampleId :

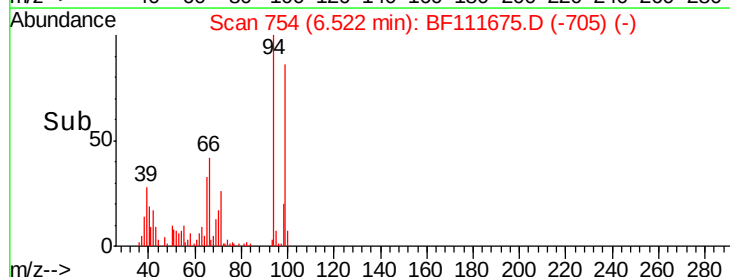
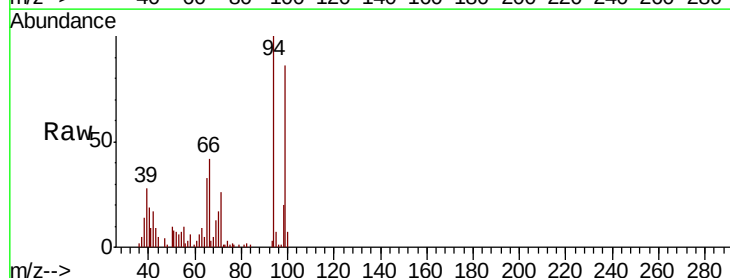
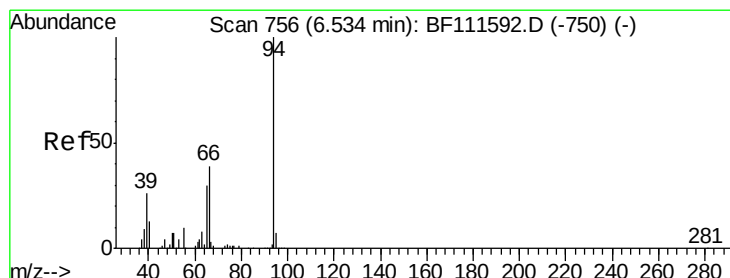
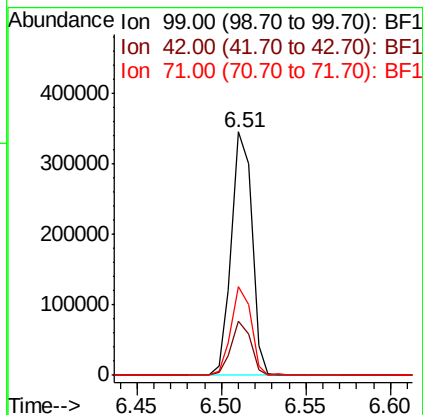
Tot Ion: 99 Resp: 292409

Ion Ratio Lower Upper

99 100

42 22.5 17.4 26.0

71 36.3 26.1 39.1



#10

Phenol

Concen: 2.558 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

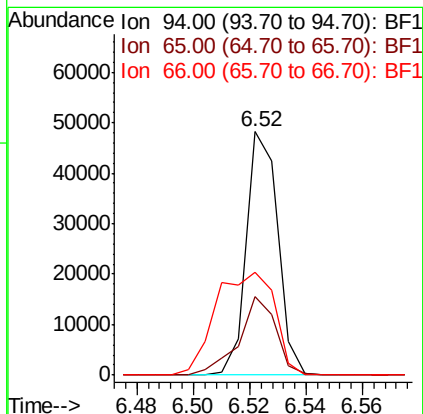
Tgt Ion: 94 Resp: 37282

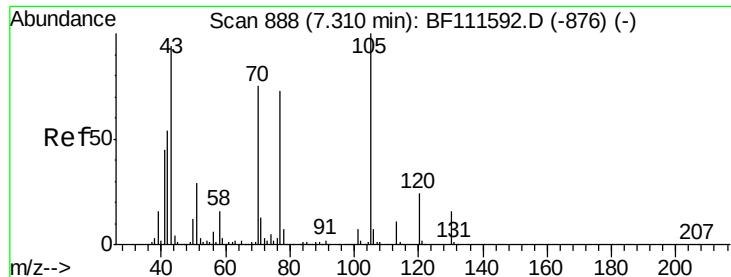
Ion Ratio Lower Upper

94 100

65 32.5 11.7 51.7

66 42.3 21.0 61.0

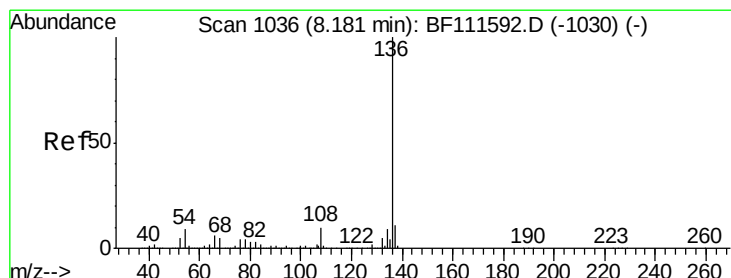
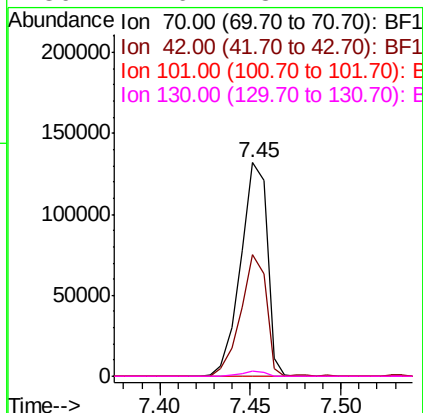
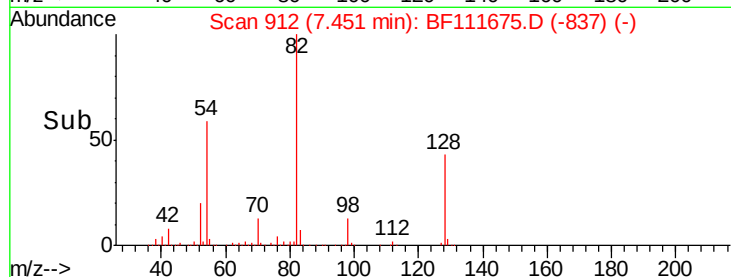
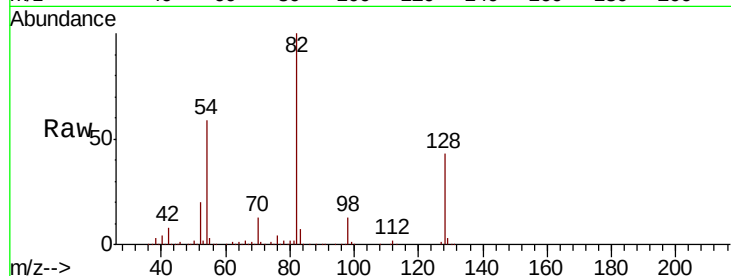




#19
n-Nitroso-di-n-propylamine
Concen: 15.651 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

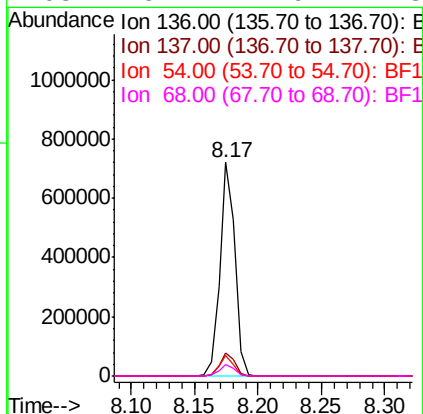
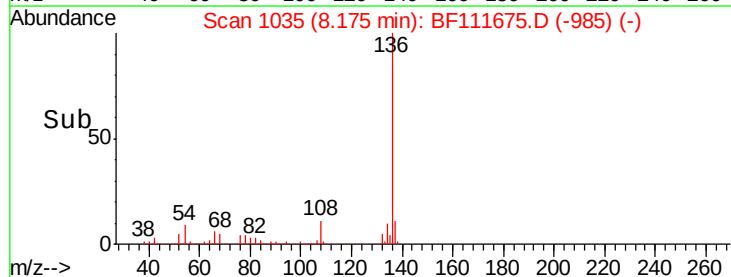
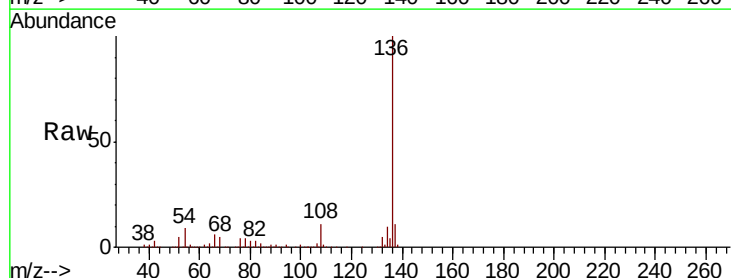
Instrument :
BNA_F
ClientSampleId :

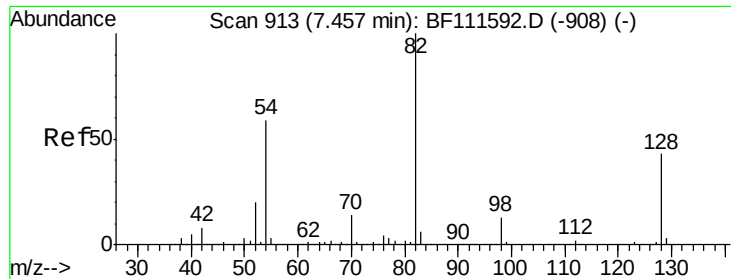
Tot Ion: 70 Resp: 134267
Ion Ratio Lower Upper
70 100
42 56.7 53.2 79.8
101 0.0 8.2 12.4#
130 2.6 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Tgt Ion:136 Resp: 599400
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.4 7.7 11.5
68 5.2 4.9 7.3





#23

Nitrobenzene-d5

Concen: 96.527 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

Instrument :

BNA_F

ClientSampleId :

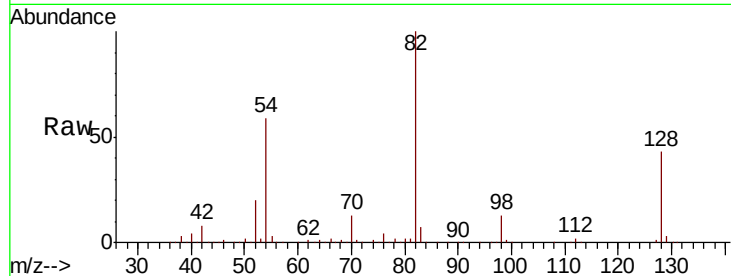
Tot Ion: 82 Resp: 994000

Ion Ratio Lower Upper

82 100

128 43.0 37.4 56.2

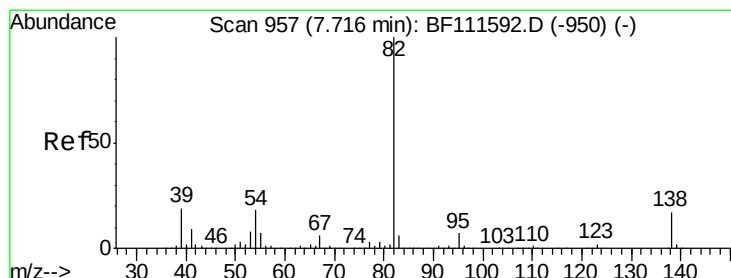
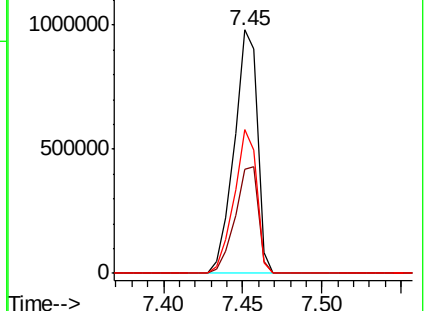
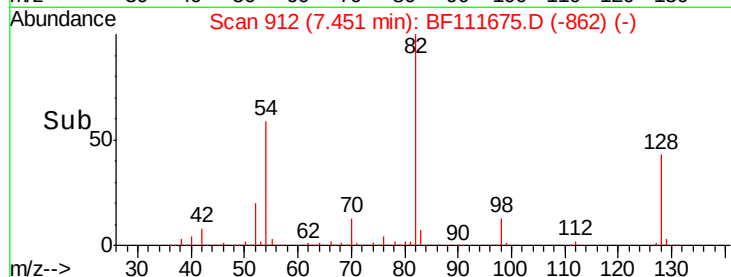
54 59.0 47.6 71.4



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 54.372 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

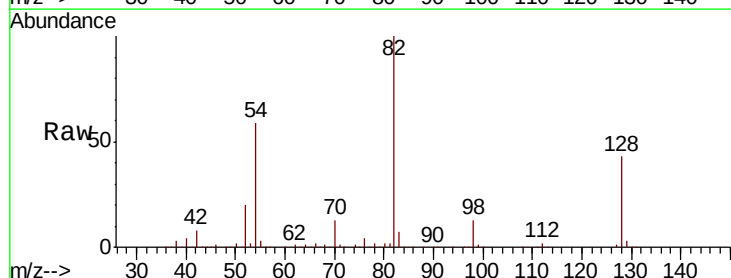
Tgt Ion: 82 Resp: 993988

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

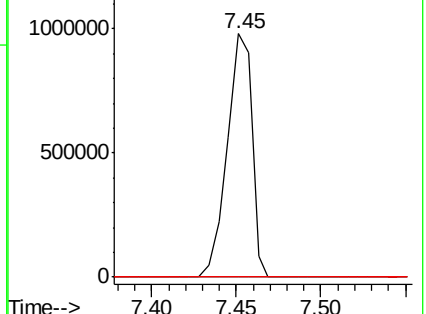
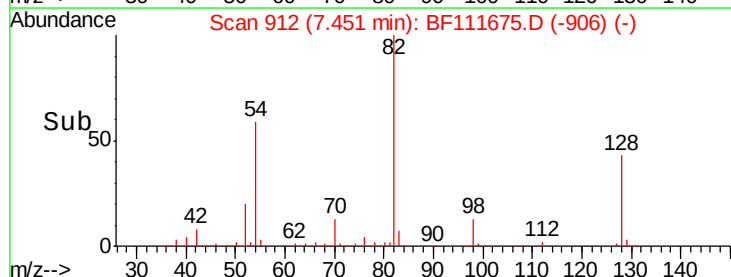
138 0.0 15.1 22.7#

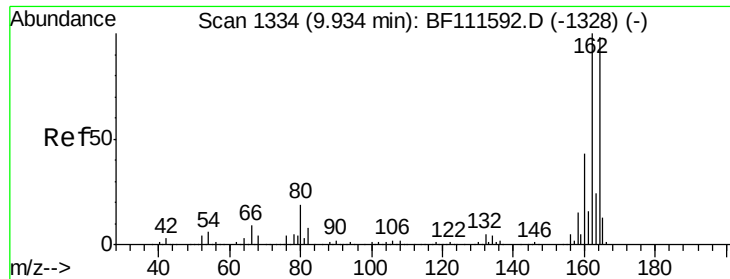


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

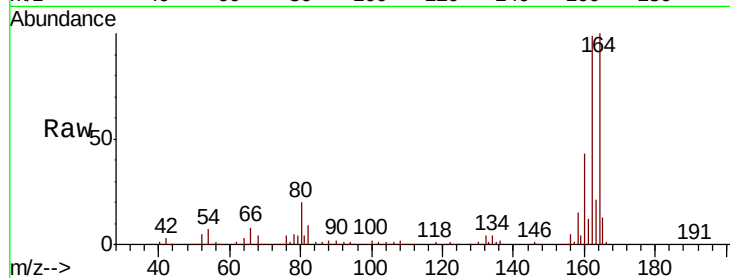




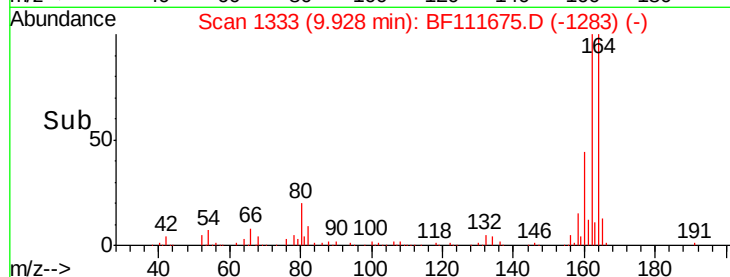
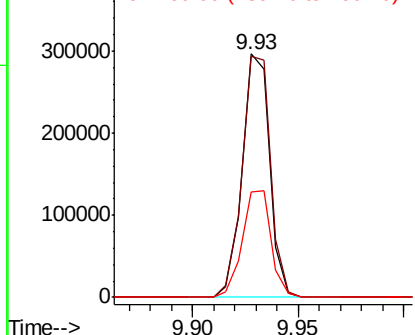
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.9	81.4	122.0
160	43.4	35.7	53.5

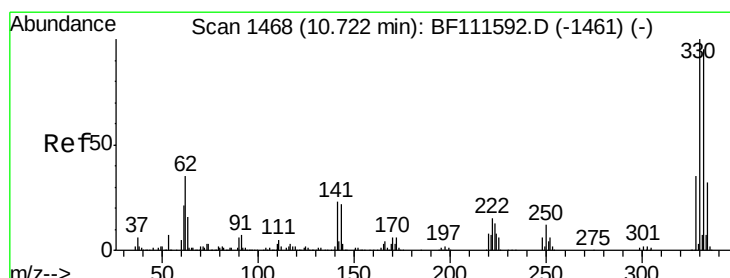


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

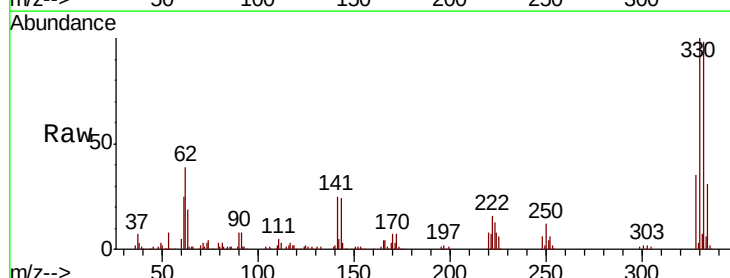
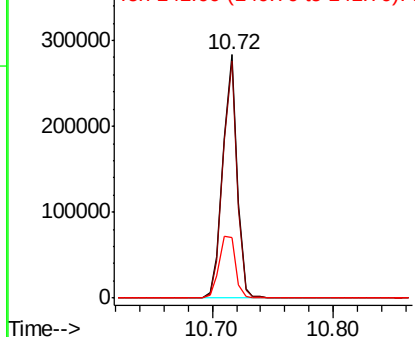


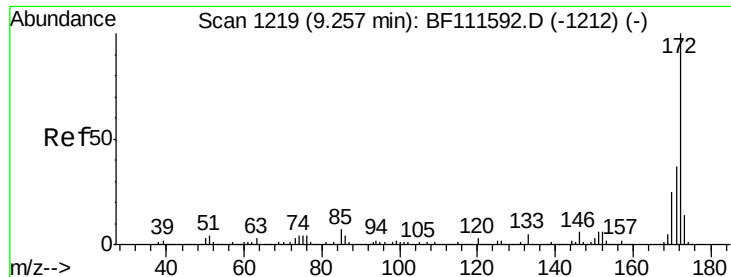
#42
2,4,6-Tribromophenol
Concen: 73.637 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.0	114.0
141	28.9	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

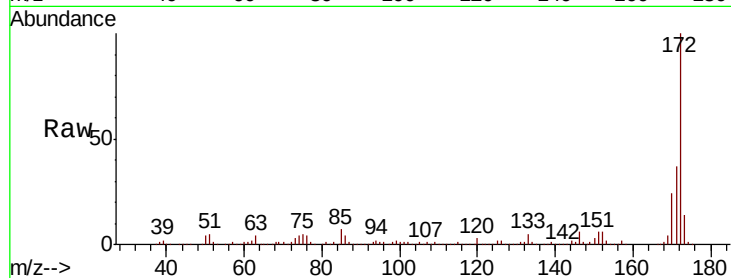




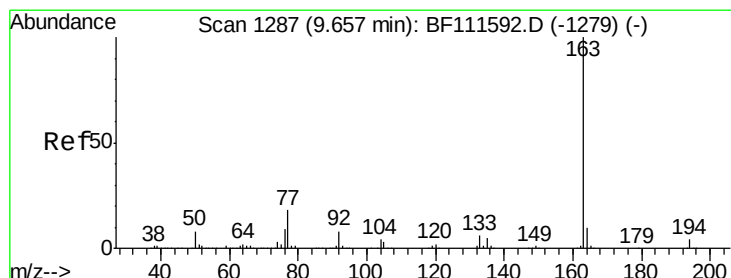
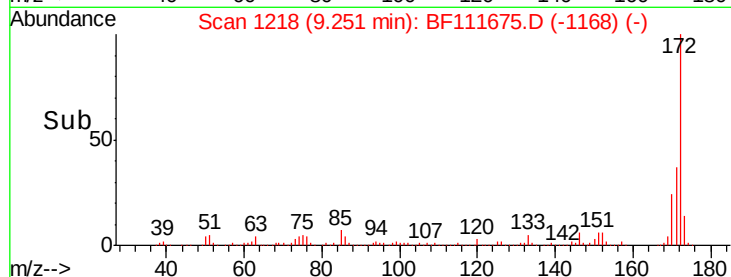
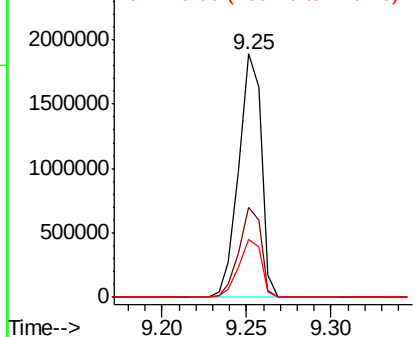
#45
2-Fluorobiphenyl
Concen: 96.722 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1763040
Ion Ratio Lower Upper
172 100
171 37.2 33.0 49.4
170 24.0 22.3 33.5

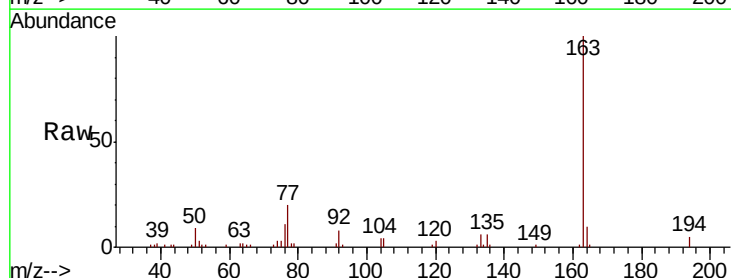


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

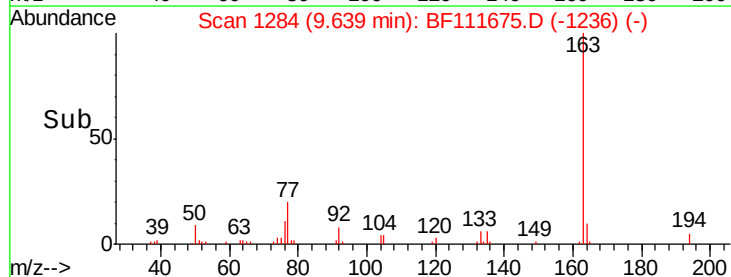
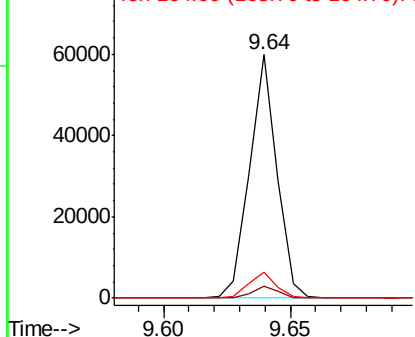


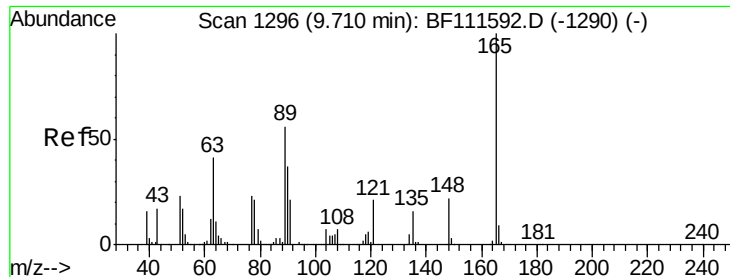
#50
Dimethylphthalate
Concen: 2.306 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Tgt Ion:163 Resp: 44810
Ion Ratio Lower Upper
163 100
194 4.6 3.0 4.6#
164 10.4 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: 8.790 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

Instrument :

BNA_F

ClientSampled :

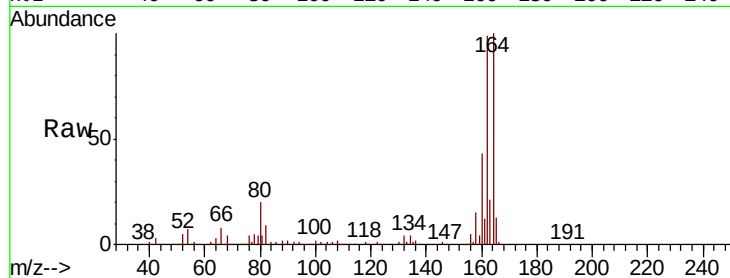
Tot Ion:165 Resp: 34052

Ion Ratio Lower Upper

165 100

63 1.4 40.5 60.7#

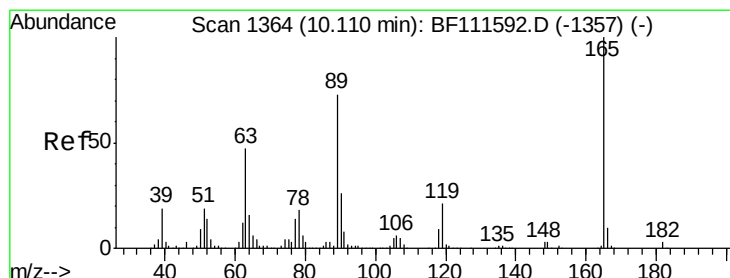
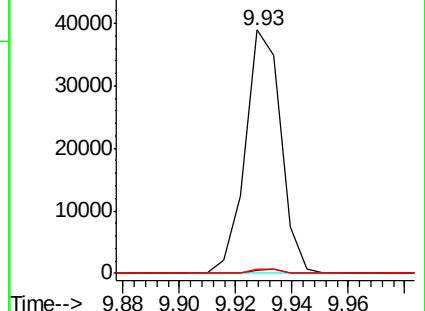
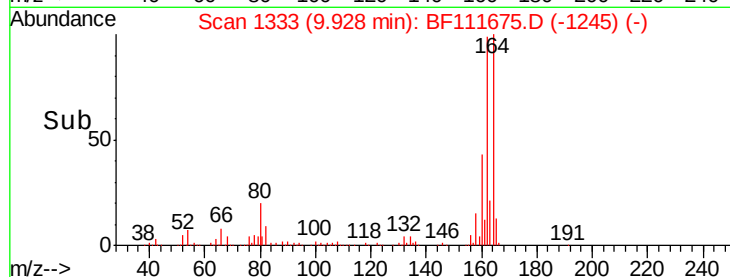
89 1.5 40.0 60.0#



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: 7.313 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

Tgt Ion:165 Resp: 34052

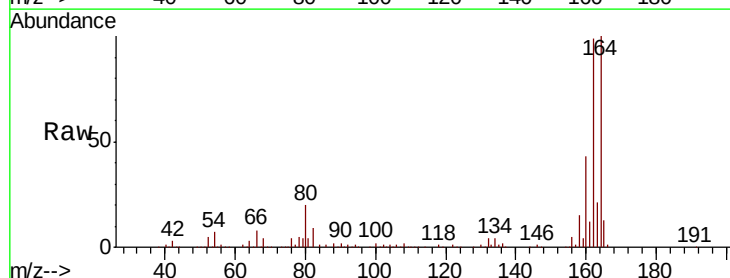
Ion Ratio Lower Upper

165 100

63 1.4 34.6 52.0#

89 1.5 56.2 84.4#

182 0.0 1.8 2.6#

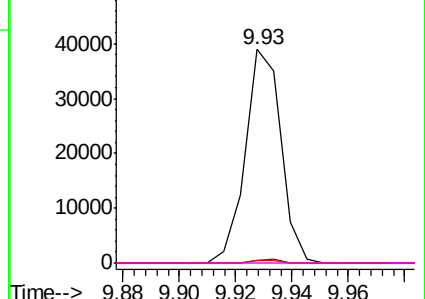
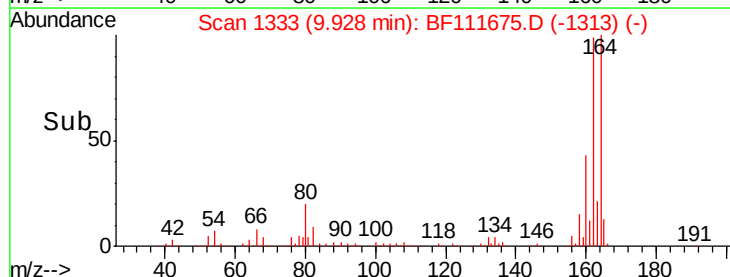


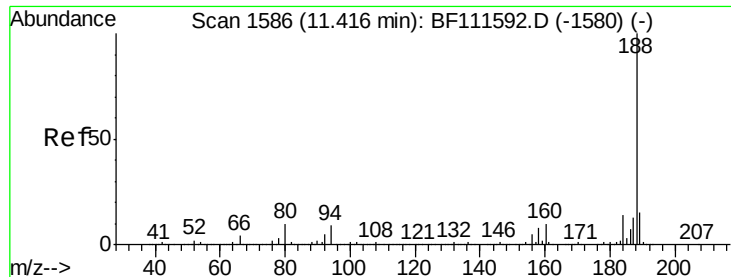
Abundance Ion 165.00 (164.70 to 165.70): E

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

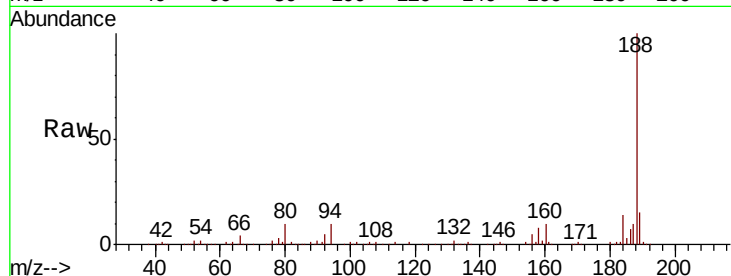




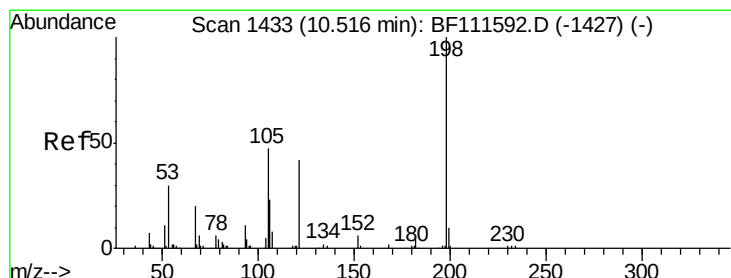
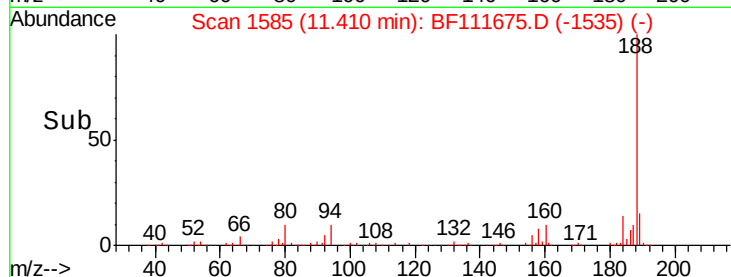
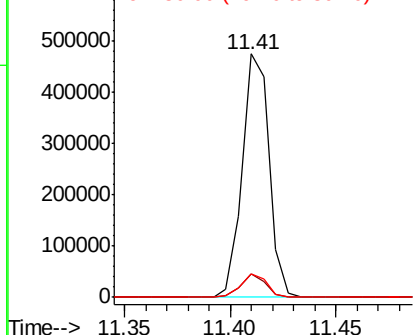
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 418089
Ion Ratio Lower Upper
188 100
94 9.9 9.6 14.4
80 9.9 9.8 14.6

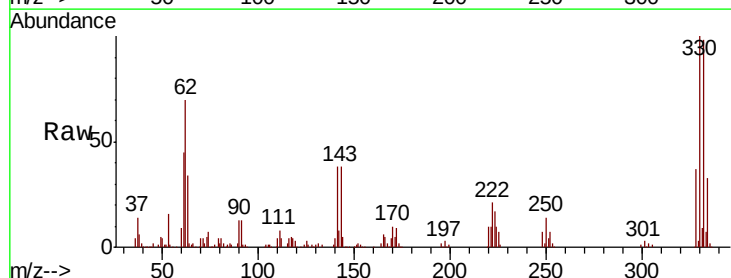


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

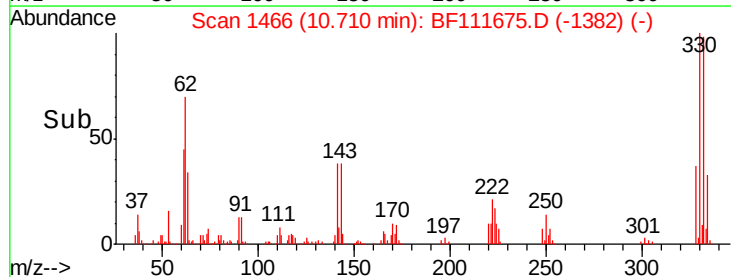
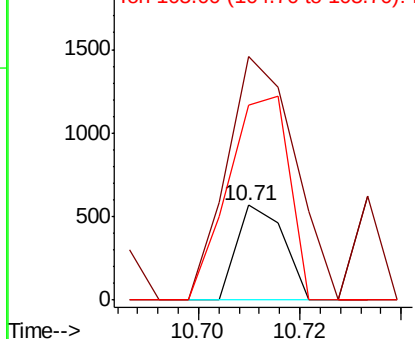


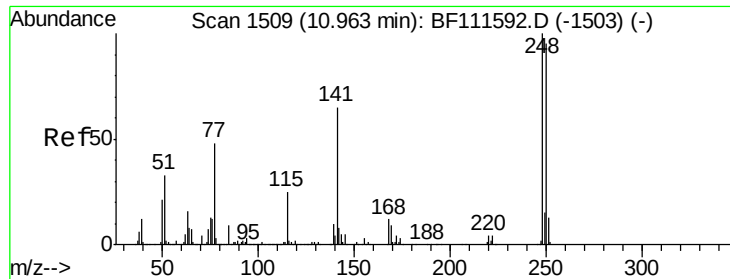
#65
4,6-Dinitro-2-methylphenol
Concen: 6.873 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Tgt Ion:198 Resp: 362
Ion Ratio Lower Upper
198 100
51 257.0 48.0 88.0#
105 205.1 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

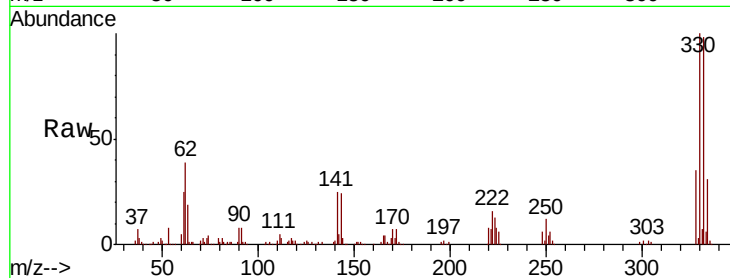




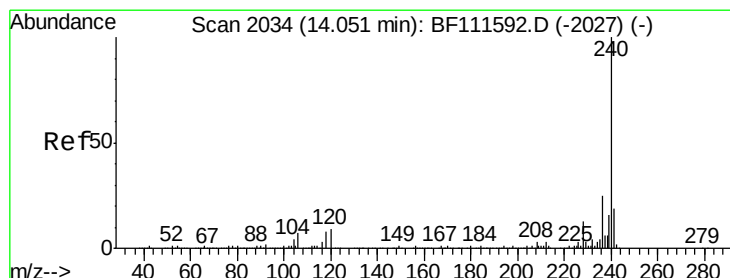
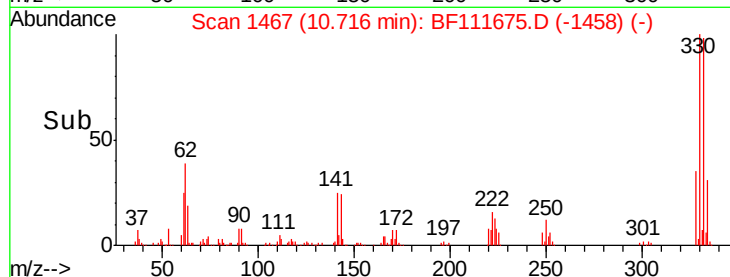
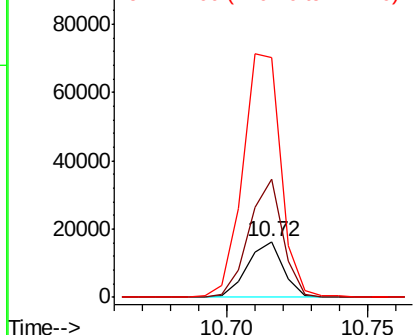
#67
4-Bromophenyl-phenylether
Concen: 2.771 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 14368
Ion Ratio Lower Upper
248 100
250 211.6 77.0 115.4#
141 429.2 63.0 94.6#

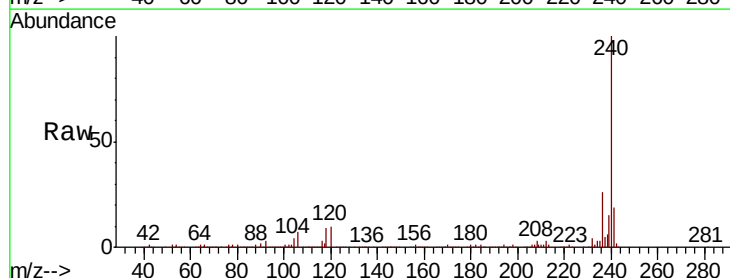


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

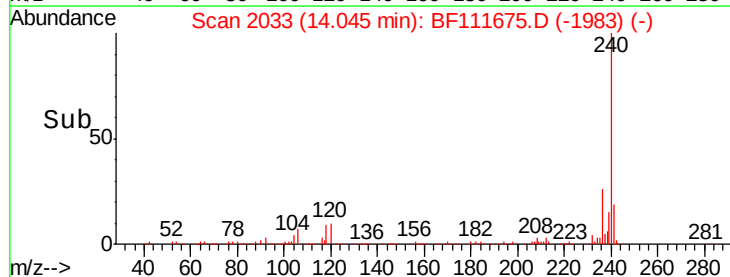
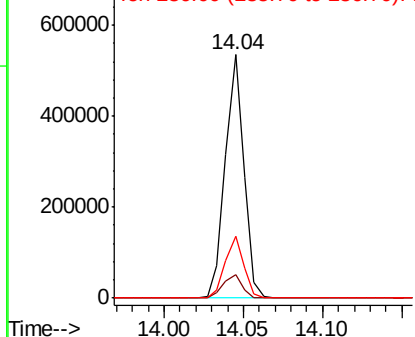


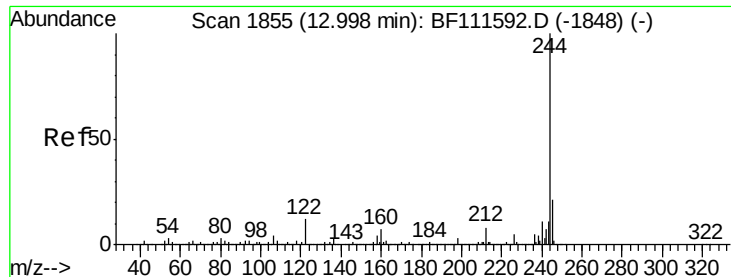
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF111675.D
Acq: 21 Dec 2018 8:29

Tgt Ion:240 Resp: 436050
Ion Ratio Lower Upper
240 100
120 9.8 12.2 18.2#
236 25.6 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: 61.556 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

Instrument :

BNA_F

ClientSampleId :

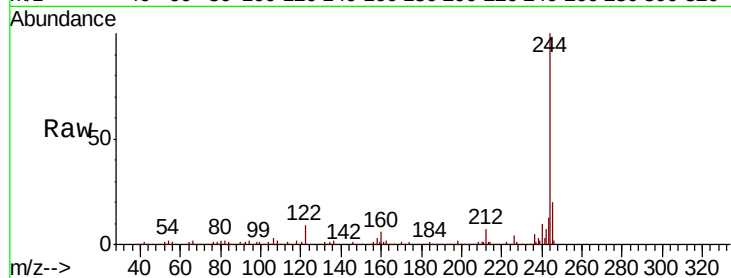
Tot Ion:244 Resp: 1415381

Ion Ratio Lower Upper

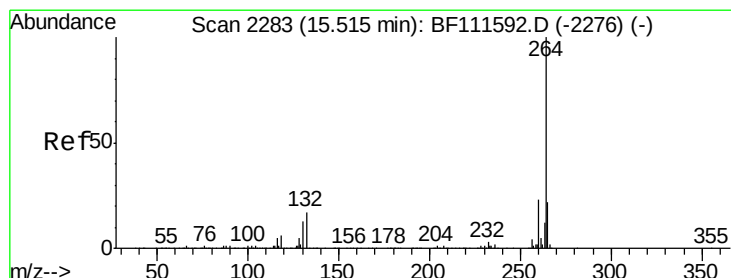
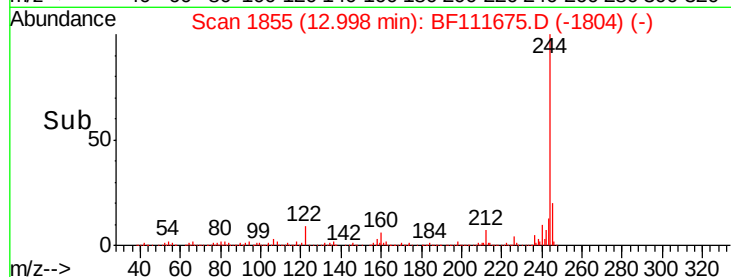
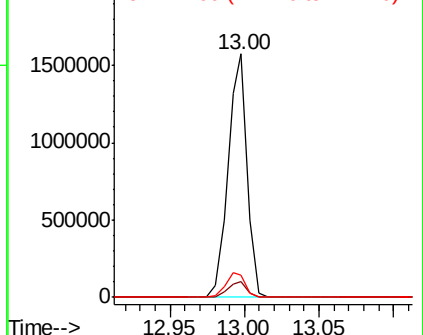
244 100

212 6.6 5.7 8.5

122 9.3 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: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF111675.D

Acq: 21 Dec 2018 8:29

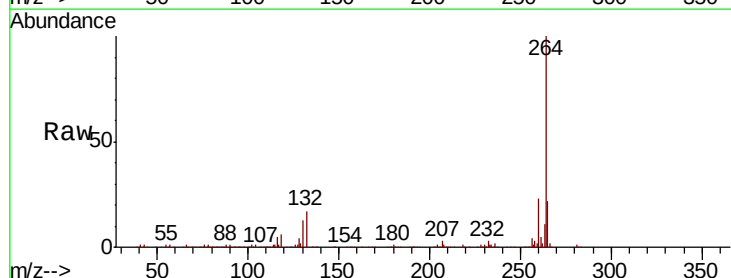
Tgt Ion:264 Resp: 329976

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 21.9 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

