

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110294.D
 Acq On : 30 Oct 2018 7:43
 Operator : JU/SJ
 Sample : J5695-01
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 09:30:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	78165	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	292745	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	122836	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	201459	20.00	ng	0.00
76) Chrysene-d12	14.16	240	149338	20.00	ng	0.00
87) Perylene-d12	15.69	264	116406	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	641649	133.68	ng	0.01
7) Phenol-d6	6.60	99	801770	130.59	ng	0.00
23) Nitrobenzene-d5	7.53	82	495469	100.39	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	139381	114.55	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	924117	118.13	ng	0.00
79) Terphenyl-d14	13.09	244	730526	101.73	ng	0.00

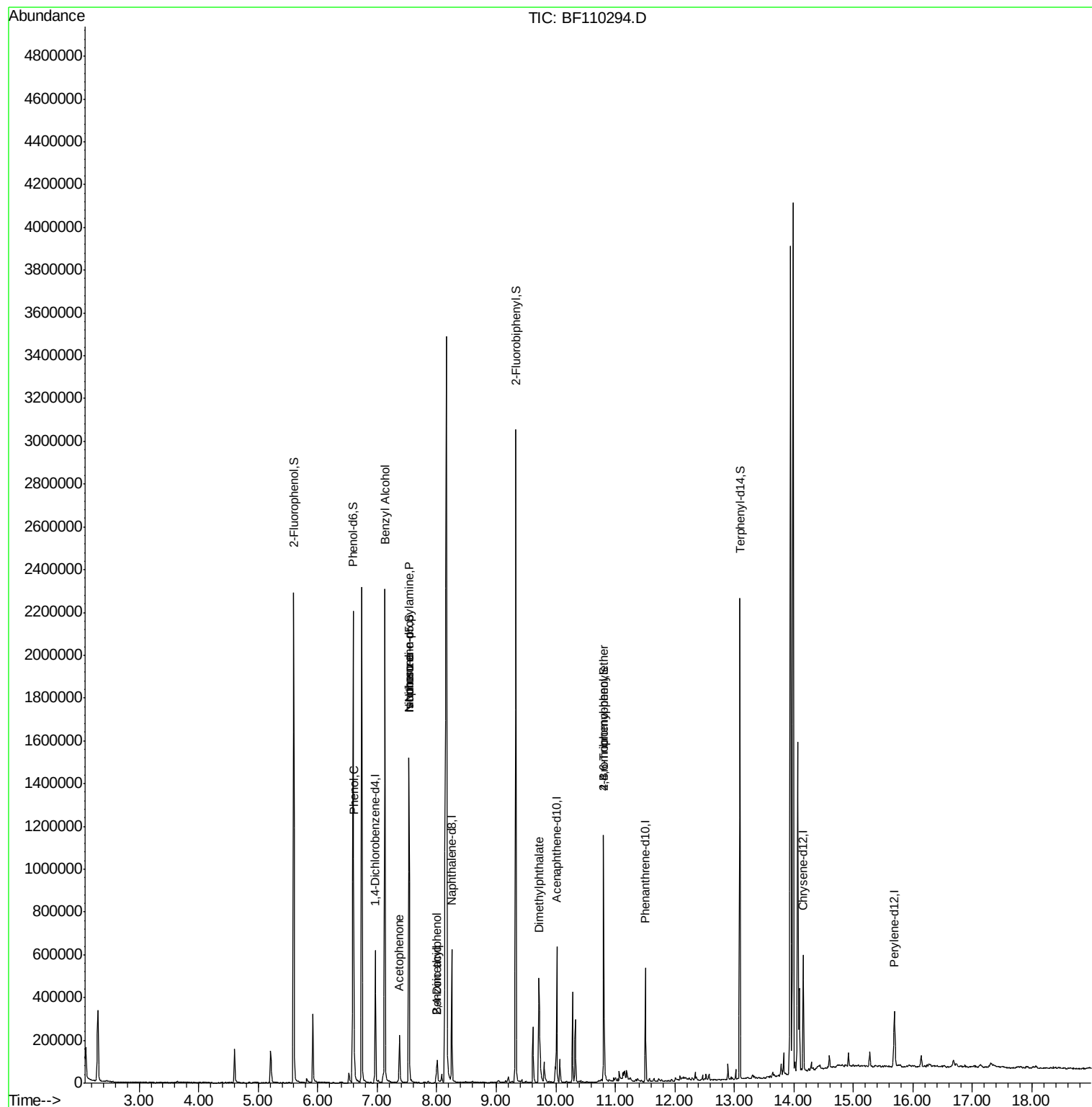
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	28875	4.400	ng	# 70
15) Benzyl Alcohol	7.13	79	9552	2.023	ng	# 53
19) n-Nitroso-di-n-propylamine	7.53	70	65564	16.646	ng	# 80
22) Acetophenone	7.37	105	75908	11.253	ng	# 96
25) Isophorone	7.53	82	495461	58.891	ng	# 67
27) 2,4-Dimethylphenol	8.01	122	31541	7.846	ng	# 3
32) Benzoic acid	8.01	122	31541	10.151	ng	# 96
50) Dimethylphthalate	9.72	163	59742	6.589	ng	# 99
67) 4-Bromophenyl-phenylether	10.81	248	9176	4.199	ng	# 1

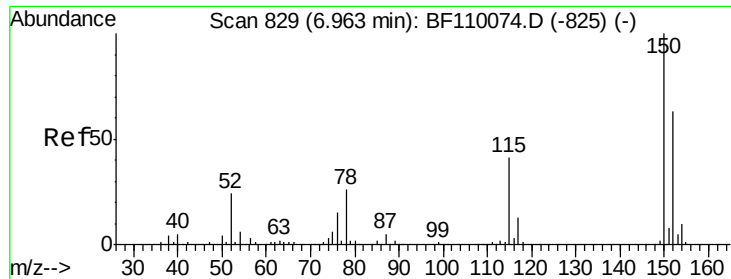
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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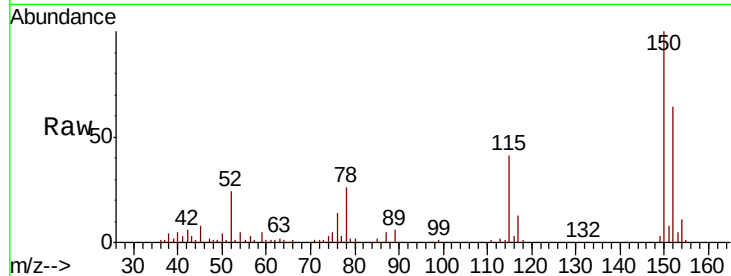


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110294.D
Acq: 30 Oct 2018 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	122.7	184.1
115	65.0	49.1	73.7

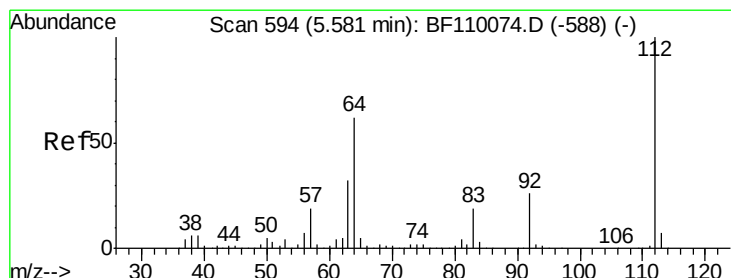
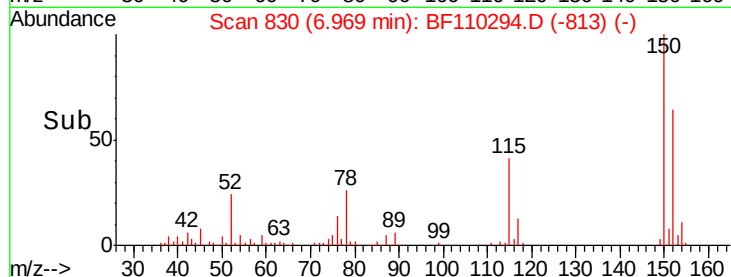
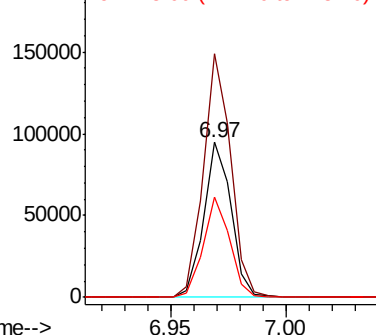


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

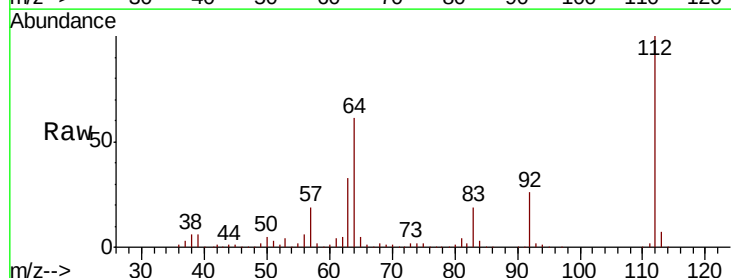
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 133.678 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF110294.D
Acq: 30 Oct 2018 7:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	44.1	66.1
63	32.8	23.7	35.5

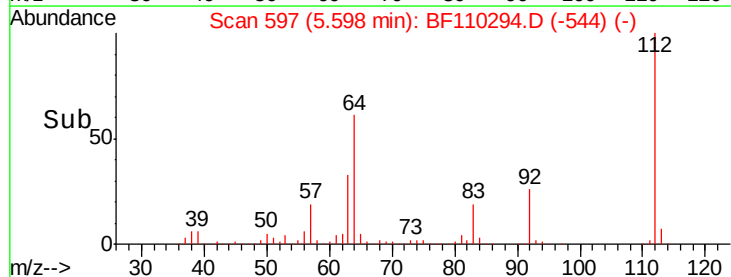
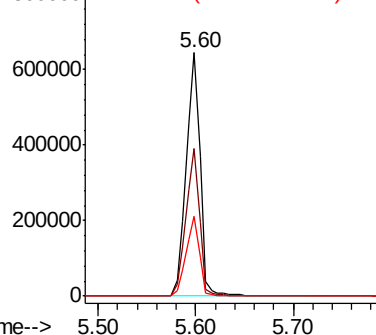


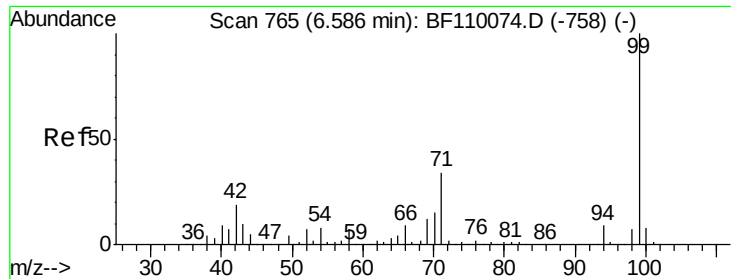
Abundance

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: 130.592 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

Instrument :

BNA_F

ClientSampled :

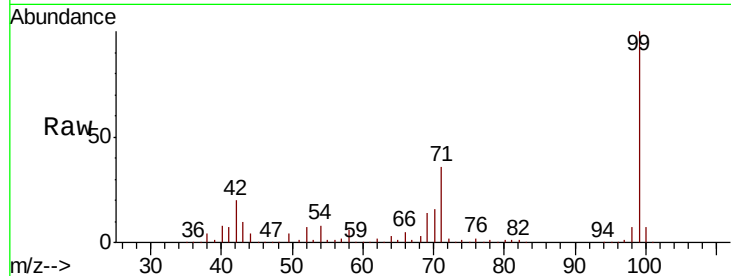
Tot Ion: 99 Resp: 801770

Ion Ratio Lower Upper

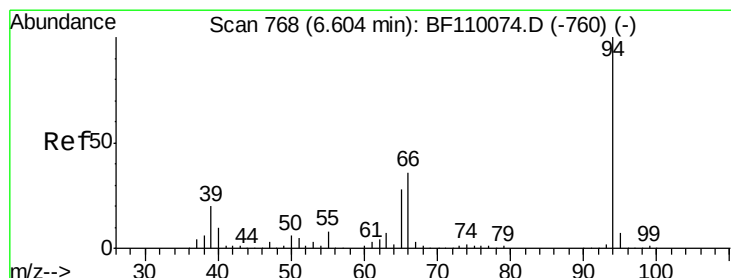
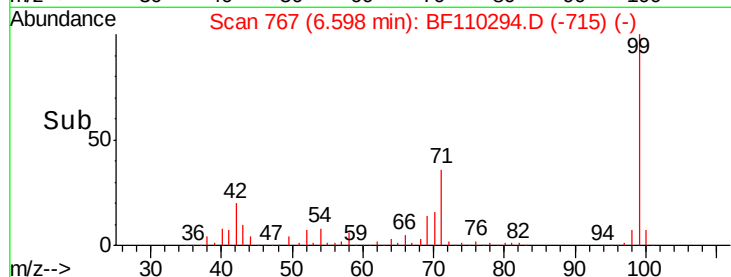
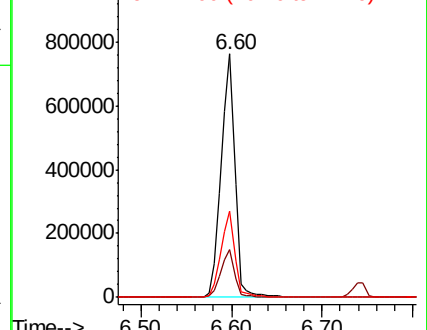
99 100

42 19.7 15.8 23.6

71 35.5 28.0 42.0



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



#10

Phenol

Concen: 4.400 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

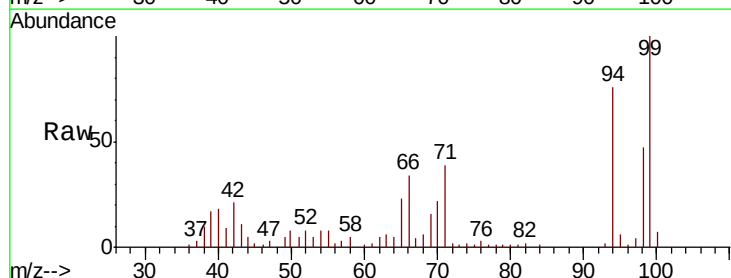
Tgt Ion: 94 Resp: 28875

Ion Ratio Lower Upper

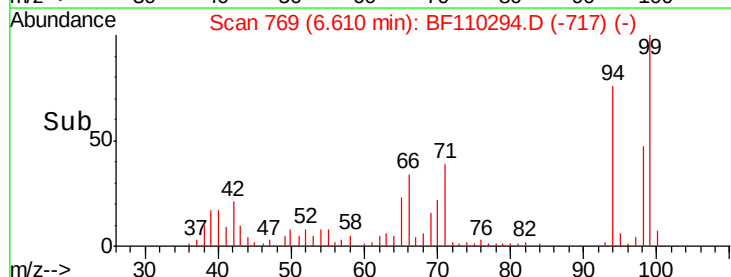
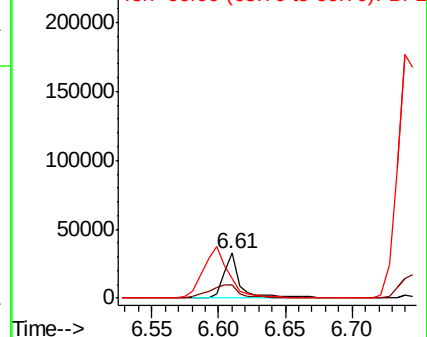
94 100

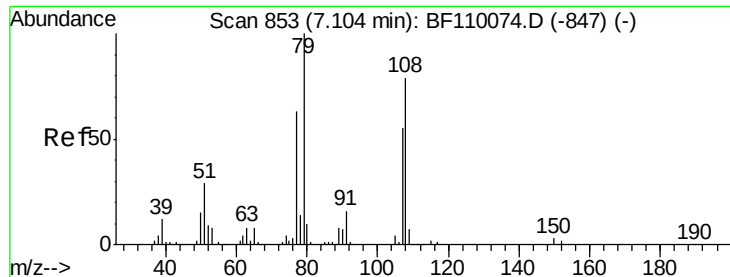
65 30.6 25.3 65.3

66 44.9 54.5 94.5#



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





#15

Benzyl Alcohol

Concen: 2.023 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.02 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

Instrument :

BNA_F

ClientSampled :

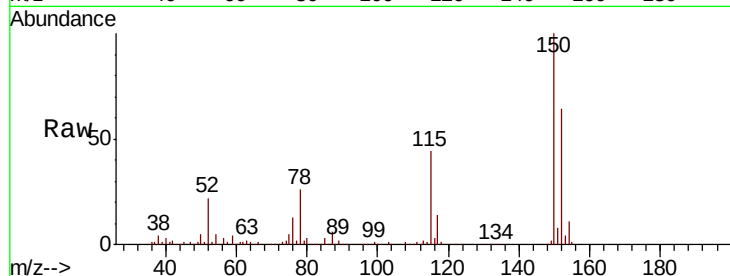
Tot Ion: 79 Resp: 9552

Ion Ratio Lower Upper

79 100

108 29.5 56.3 84.5#

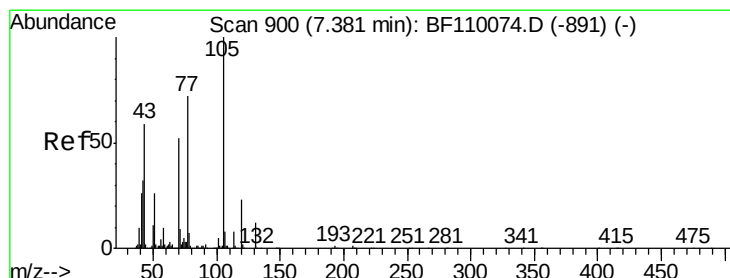
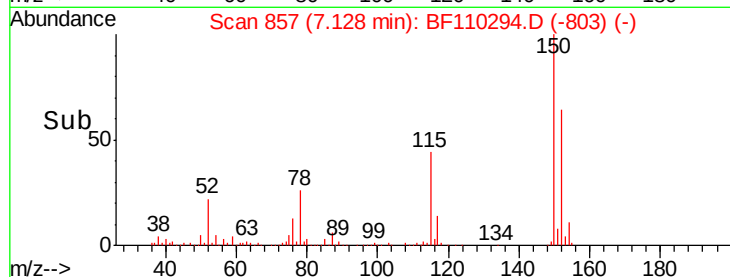
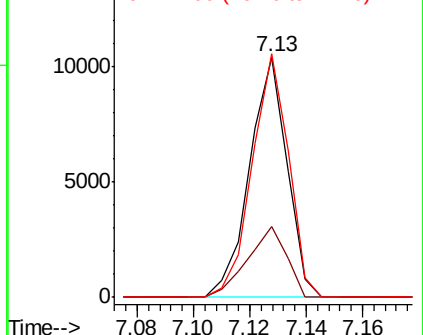
77 101.5 52.9 79.3#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.646 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.16 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

Tgt Ion: 70 Resp: 65564

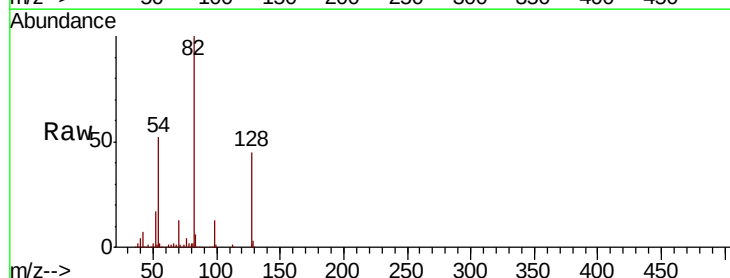
Ion Ratio Lower Upper

70 100

42 49.5 47.4 71.2

101 0.0 7.3 10.9#

130 2.2 16.2 24.2#

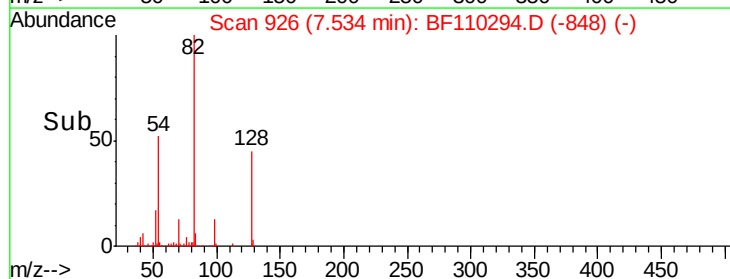
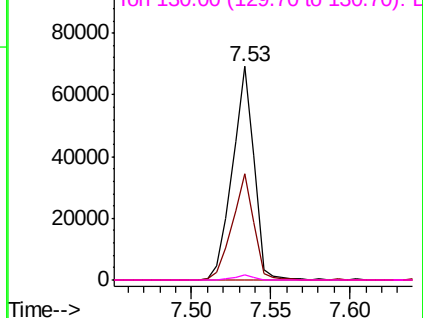


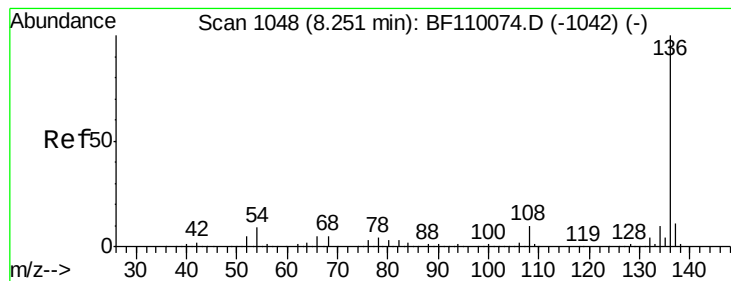
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 292745

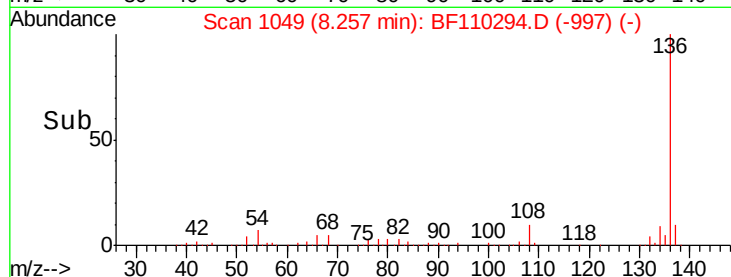
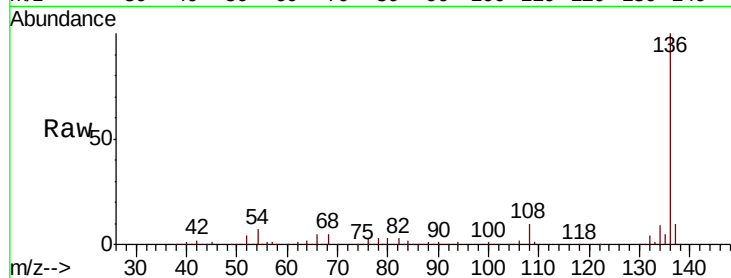
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 6.9 5.4 8.2

68 4.7 4.2 6.2

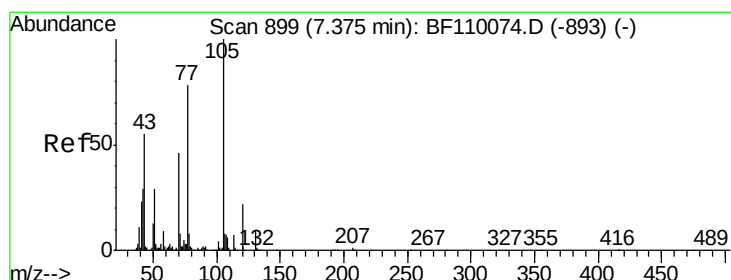
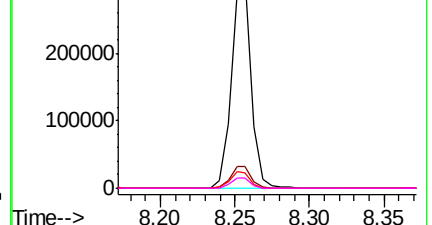


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 11.253 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

Tgt Ion:105 Resp: 75908

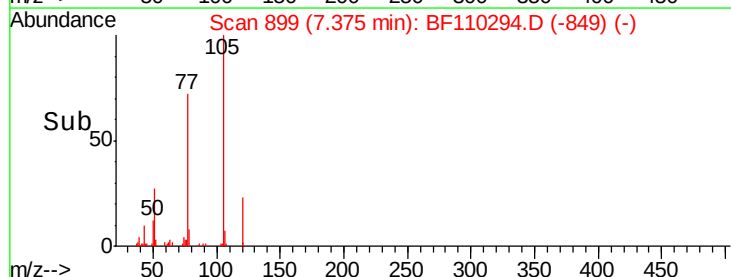
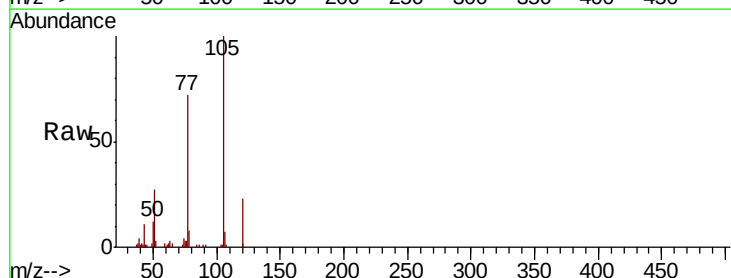
Ion Ratio Lower Upper

105 100

71 0.0 5.2 7.8#

51 26.6 21.8 32.8

120 22.7 17.0 25.4

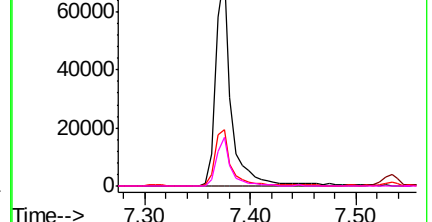


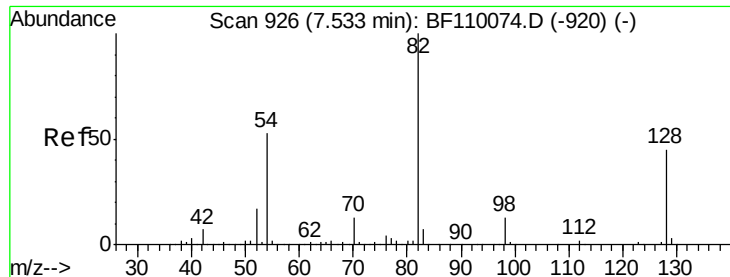
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 100.387 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

Instrument :

BNA_F

ClientSampleId :

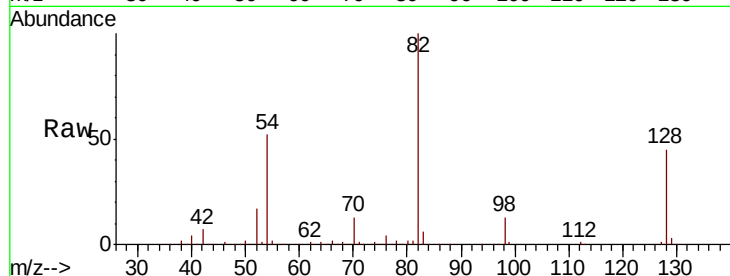
Tot Ion: 82 Resp: 495469

Ion Ratio Lower Upper

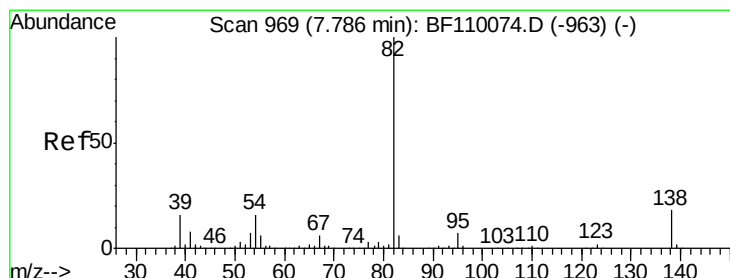
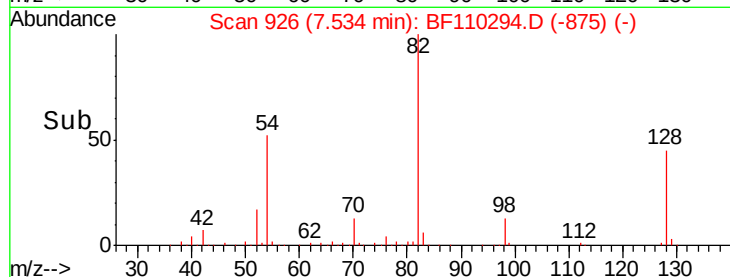
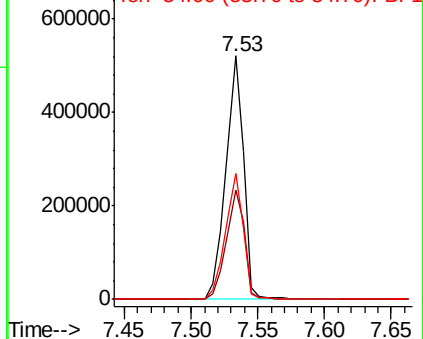
82 100

128 44.6 34.2 51.2

54 51.6 38.6 58.0



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: 58.891 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

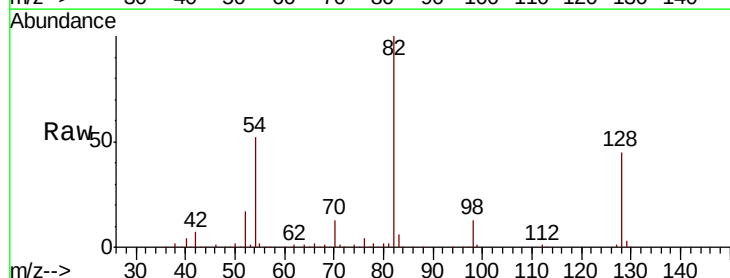
Tgt Ion: 82 Resp: 495461

Ion Ratio Lower Upper

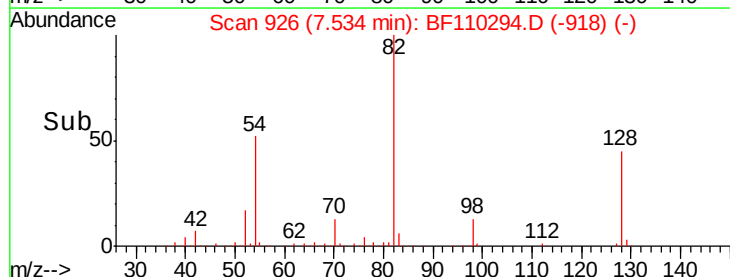
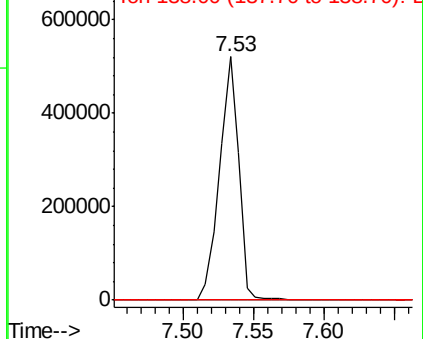
82 100

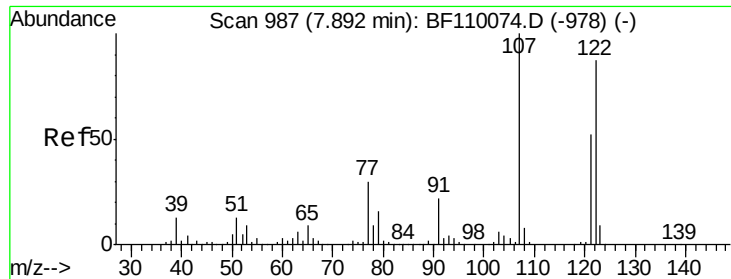
95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



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

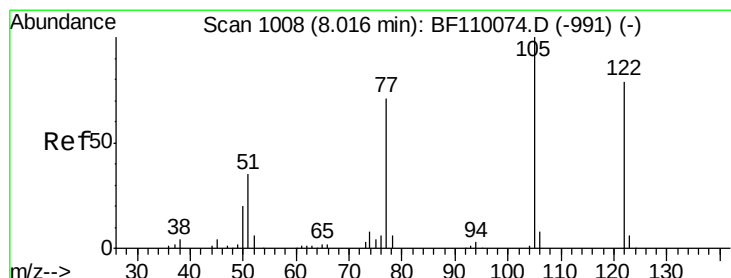
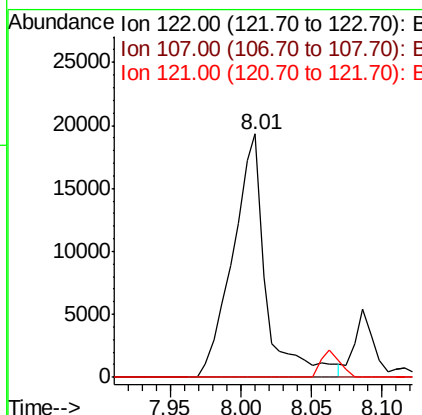
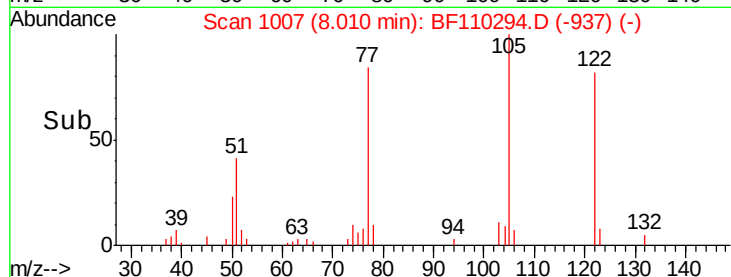
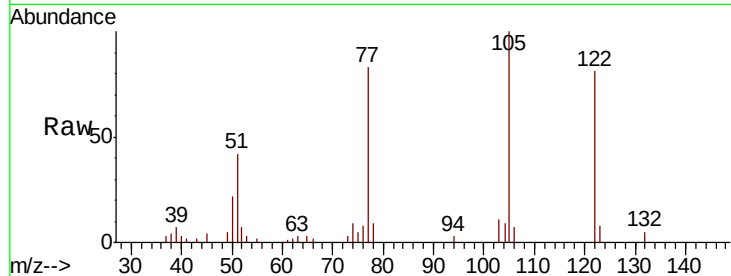




#27
2,4-Dimethylphenol
Concen: 7.846 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.11 min
Lab File: BF110294.D
Acq: 30 Oct 2018 7:43

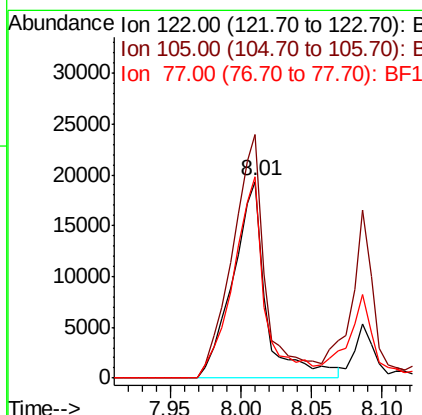
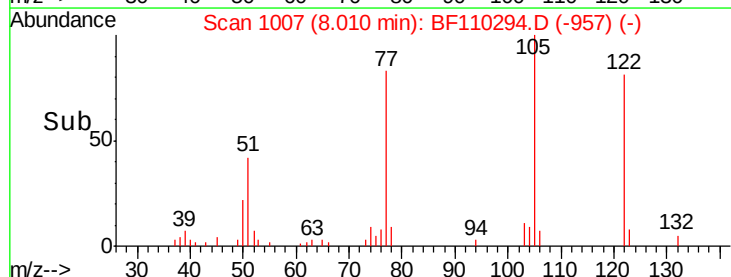
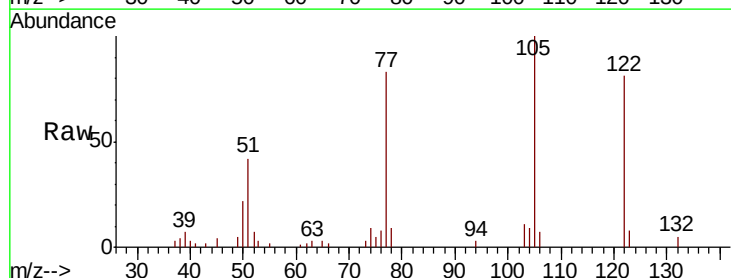
Instrument :
BNA_F
ClientSampled :

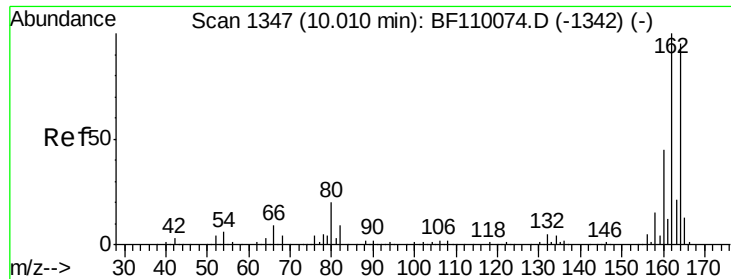
Tot Ion:122 Resp: 31541
Ion Ratio Lower Upper
122 100
107 0.0 92.5 138.7#
121 0.0 45.8 68.8#



#32
Benzoic acid
Concen: 10.151 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF110294.D
Acq: 30 Oct 2018 7:43

Tgt Ion:122 Resp: 31541
Ion Ratio Lower Upper
122 100
105 124.0 109.0 149.0
77 102.3 79.0 119.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

Instrument :

BNA_F

ClientSampleId :

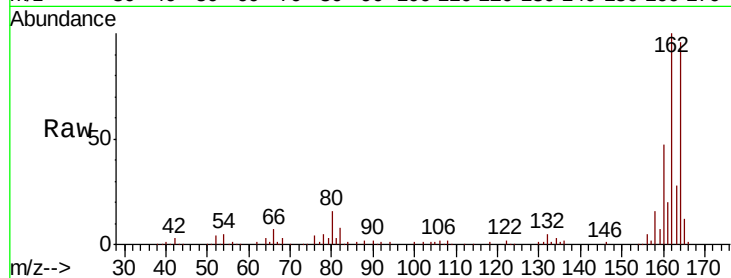
Tot Ion:164 Resp: 122836

Ion Ratio Lower Upper

164 100

162 104.4 83.0 124.6

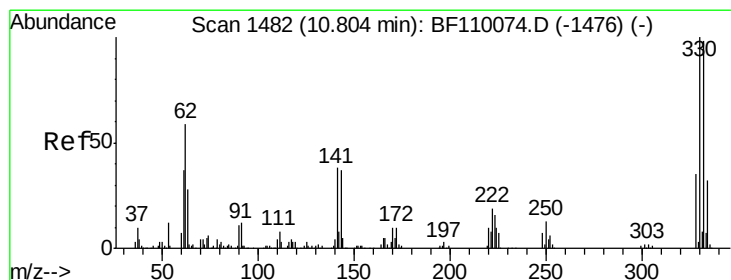
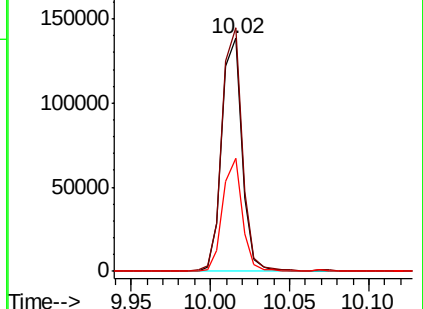
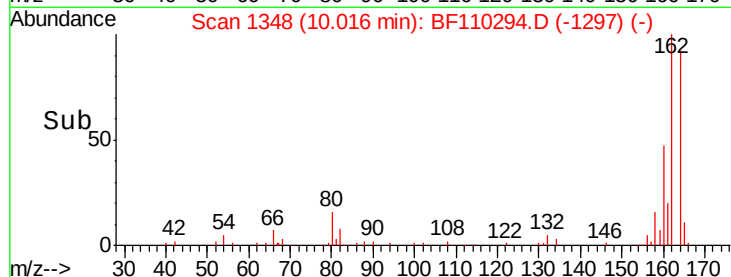
160 48.6 37.0 55.6



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: 114.550 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

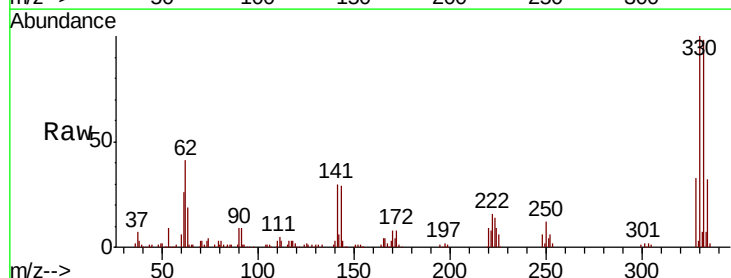
Tgt Ion:330 Resp: 139381

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

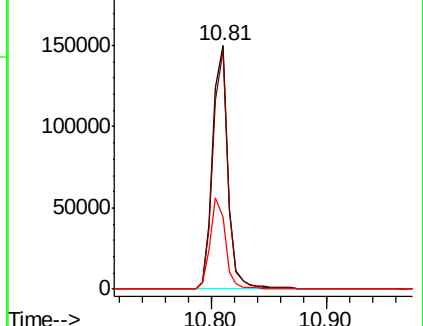
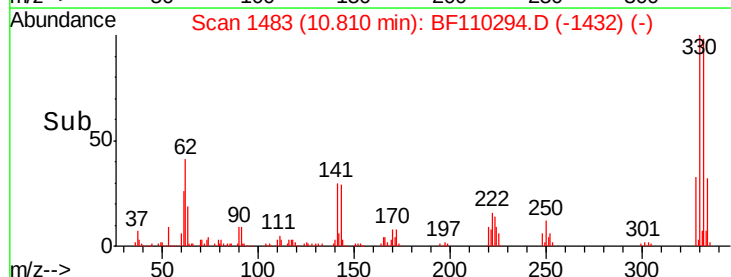
141 37.5 27.0 40.4

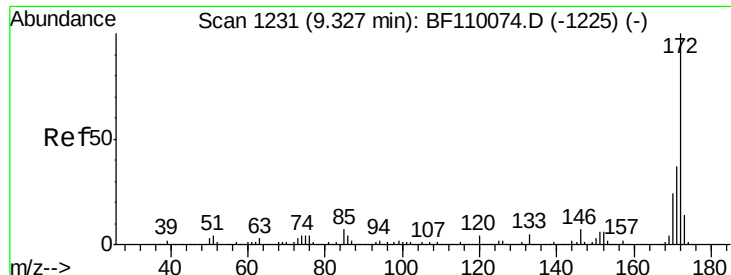


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

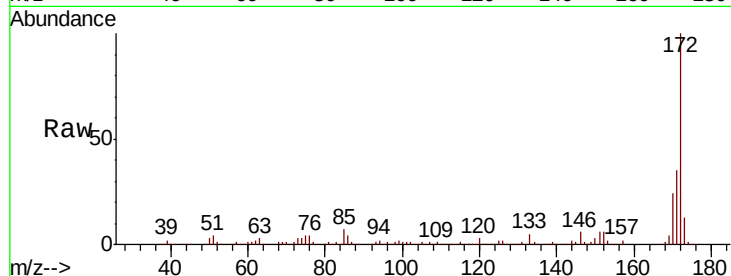




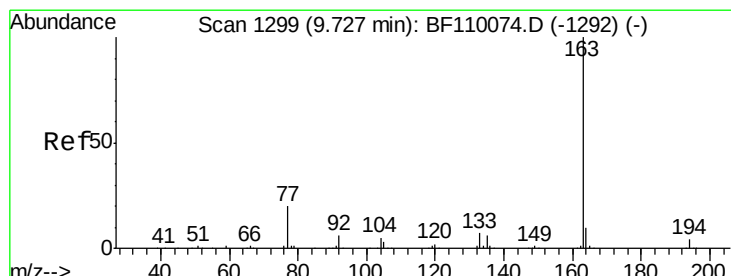
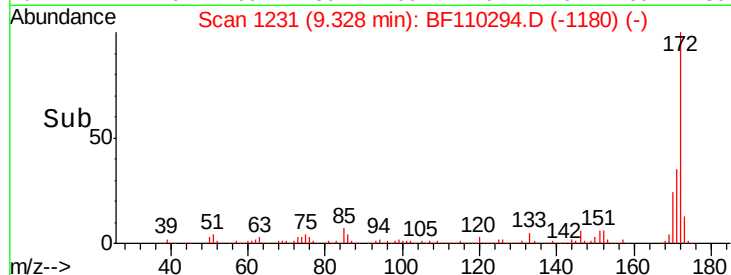
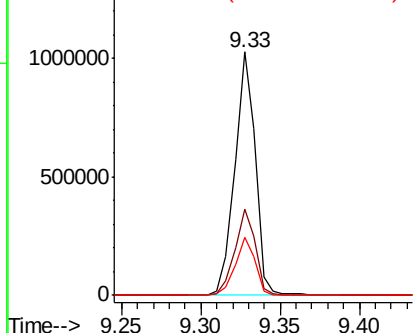
#45
2-Fluorobiphenyl
Concen: 118.133 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF110294.D
Acq: 30 Oct 2018 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.7	19.7	29.5

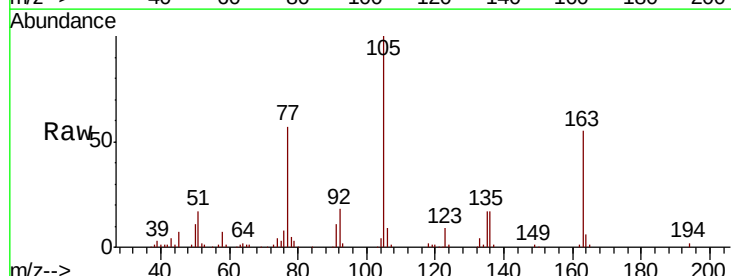


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

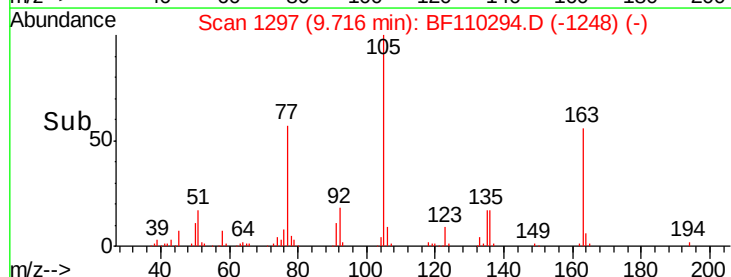
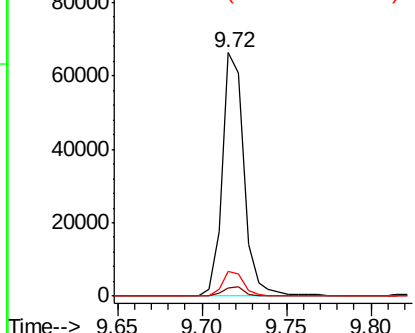


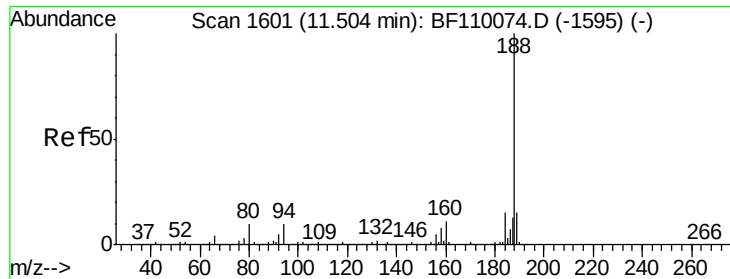
#50
Dimethylphthalate
Concen: 6.589 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110294.D
Acq: 30 Oct 2018 7:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.2	4.8#
164	9.9	8.1	12.1



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

Instrument :

BNA_F

ClientSampleId :

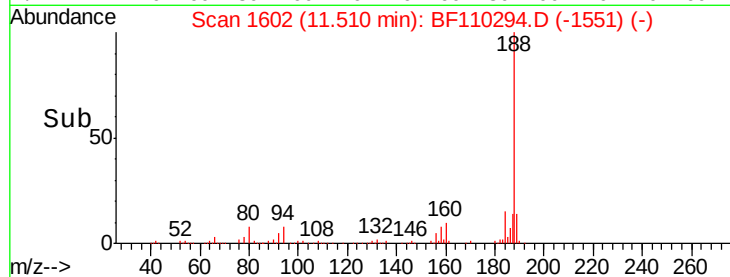
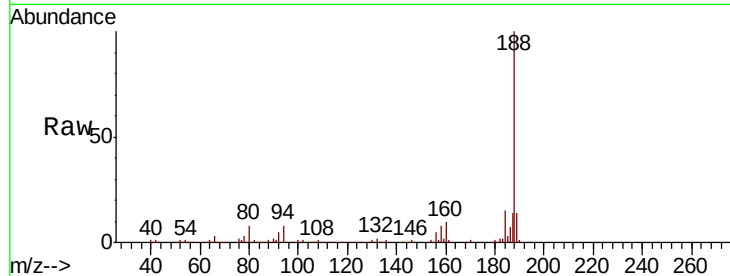
Tot Ion:188 Resp: 201459

Ion Ratio Lower Upper

188 100

94 8.0 7.2 10.8

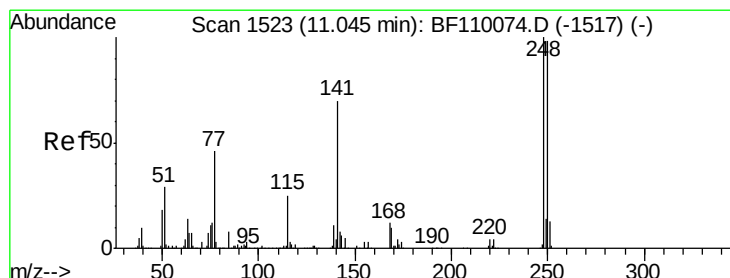
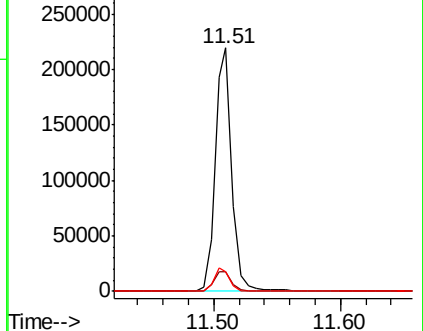
80 8.2 7.9 11.9



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



#67

4-Bromophenyl-phenylether

Concen: 4.199 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.24 min

Lab File: BF110294.D

Acq: 30 Oct 2018 7:43

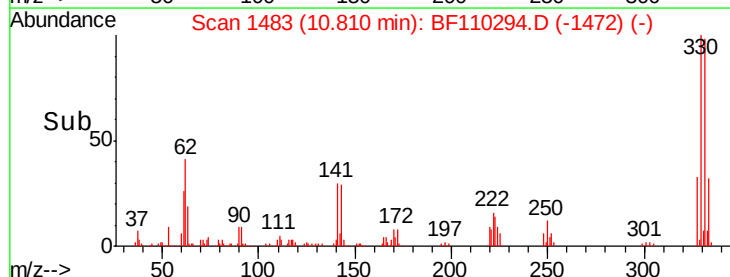
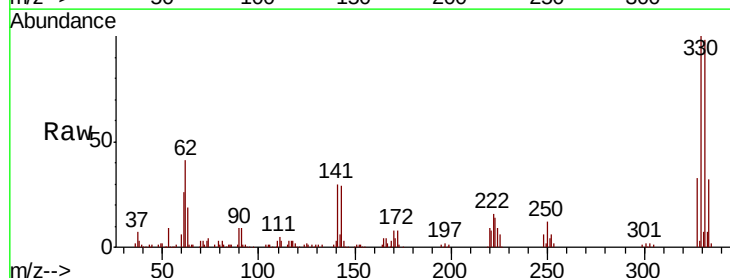
Tgt Ion:248 Resp: 9176

Ion Ratio Lower Upper

248 100

250 179.7 79.4 119.2#

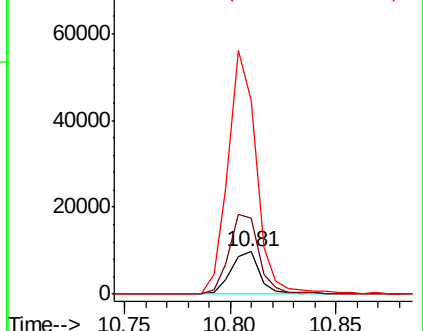
141 457.0 55.9 83.9#

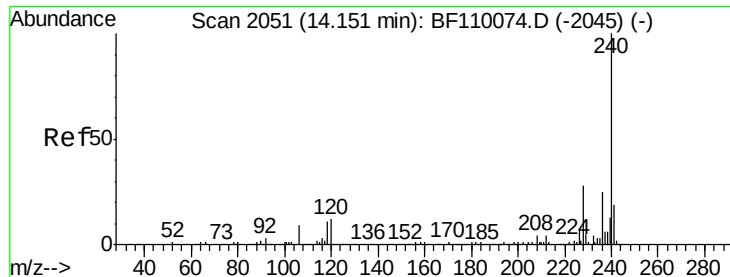


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

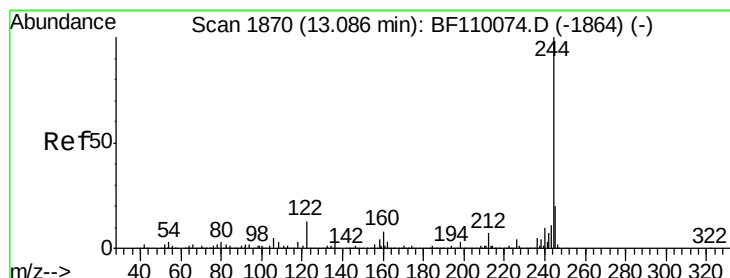
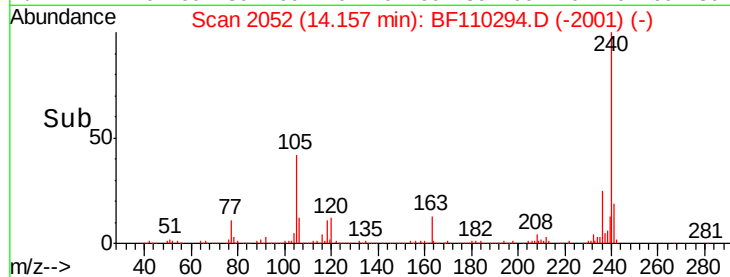
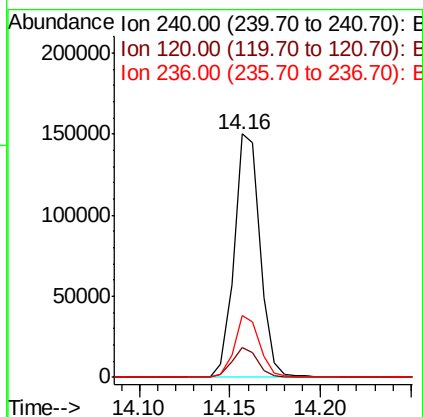
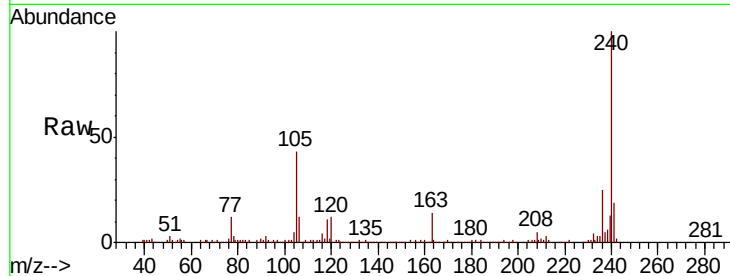




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.00 min
 Lab File: BF110294.D
 Acq: 30 Oct 2018 7:43

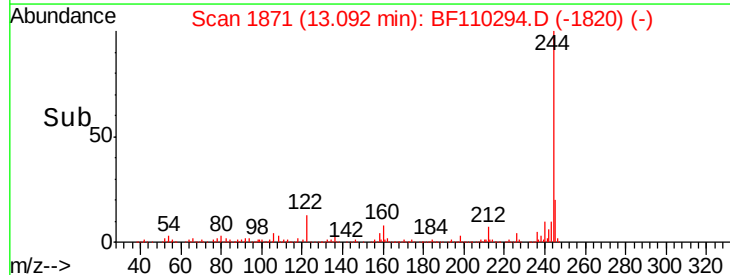
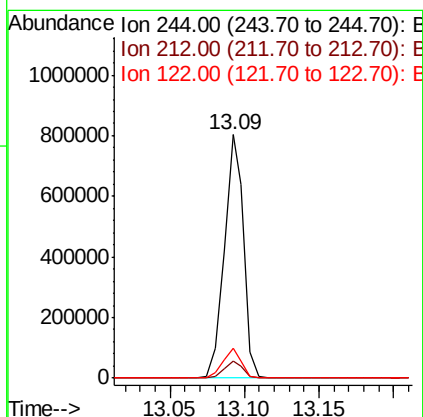
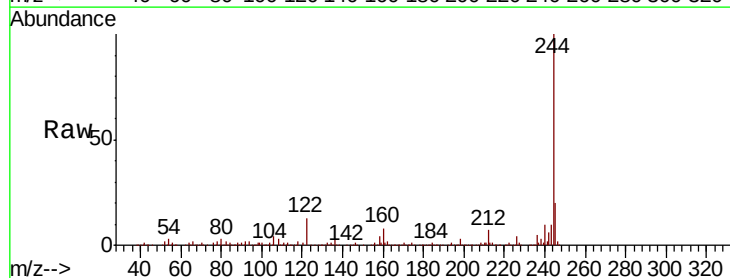
Instrument :
 BNA_F
 ClientSampleId :

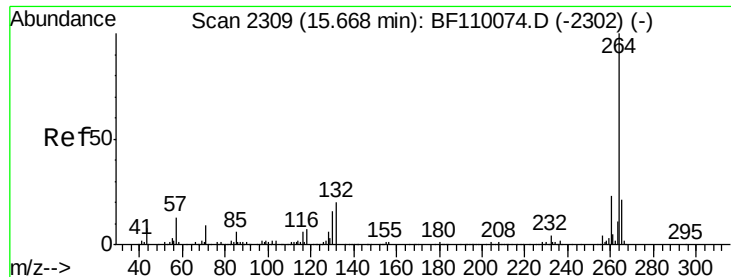
Tot Ion:240 Resp: 149338
 Ion Ratio Lower Upper
 240 100
 120 12.1 8.3 12.5
 236 25.3 21.2 31.8



#79
 Terphenyl-d14
 Concen: 101.735 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BF110294.D
 Acq: 30 Oct 2018 7:43

Tgt Ion:244 Resp: 730526
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 12.5 8.7 13.1





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BF110294.D
 Acq: 30 Oct 2018 7:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	20.9	16.7	25.1

