

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091549.D
 Acq On : 13 Dec 2016 13:04
 Operator : UM/SJ
 Sample : H5940-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS06-0-2IN

Quant Time: Dec 14 00:16:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	311460	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1343725	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	643109	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	1042187	20.00	ng	0.00
75) Chrysene-d12	13.96	240	783001	20.00	ng	0.00
86) Perylene-d12	15.37	264	644952	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	2381056	128.80	ng	0.01
7) Phenol-d6	6.45	99	3328905	144.44	ng	0.00
23) Nitrobenzene-d5	7.38	82	2105167	87.44	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	614017	114.95	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2606309	70.03	ng	-0.01
78) Terphenyl-d14	12.92	244	2572246	74.54	ng	0.00

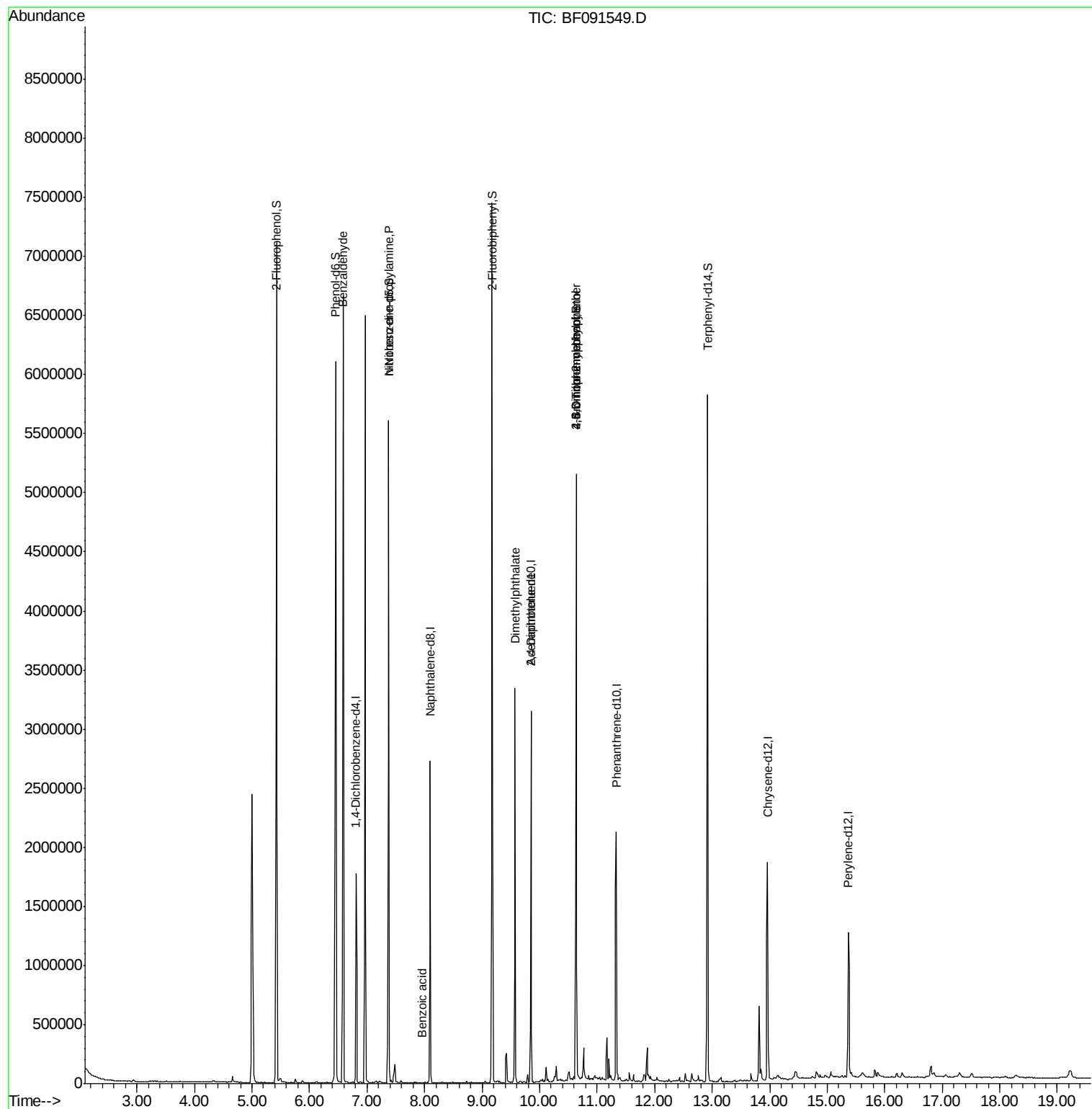
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	64638	4.08	ng	84
19) n-Nitroso-di-n-propylamine	7.38	70	291014	20.19	ng	# 63
20) 3+4-Methylphenols	7.23	107	828	Below Cal		# 77
32) Benzoic acid	7.96	122	300	4.92	ng	# 1
49) Dimethylphthalate	9.57	163	1357492	33.34	ng	99
56) 2,4-Dinitrotoluene	9.85	165	86291	7.70	ng	# 33
57) Fluorene	10.40	166	2178	Below Cal		83
64) 4,6-Dinitro-2-methylphenol	10.64	198	1183	3.12	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	39622	3.71	ng	# 1

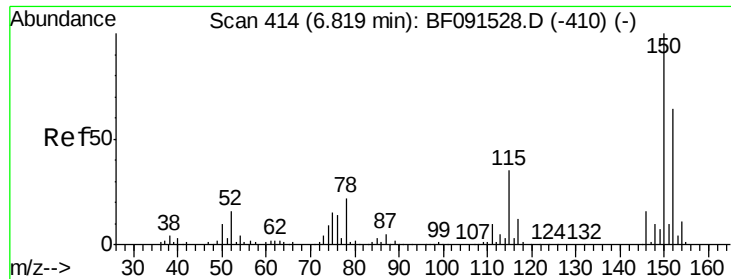
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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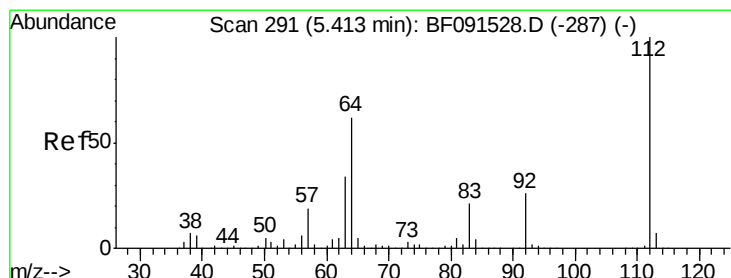
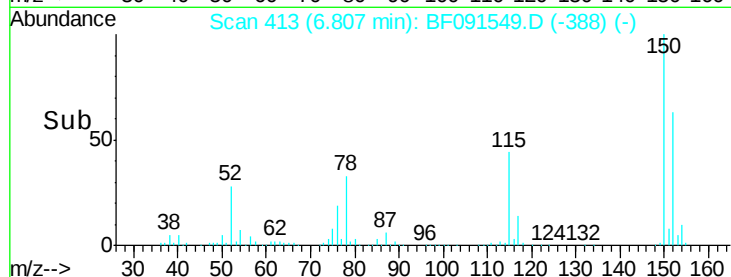
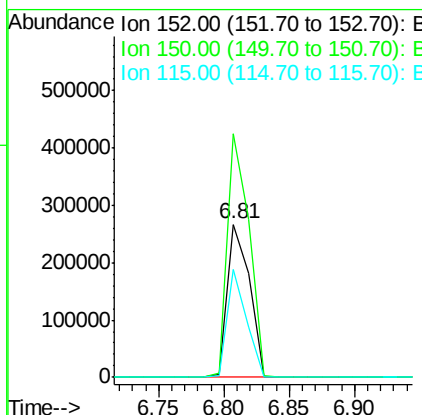
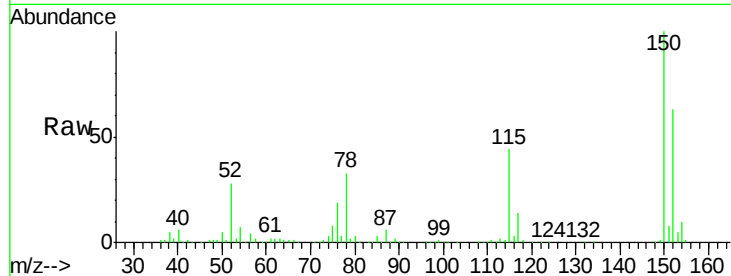




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: BF091549.D
 Acq: 13 Dec 2016 13:04

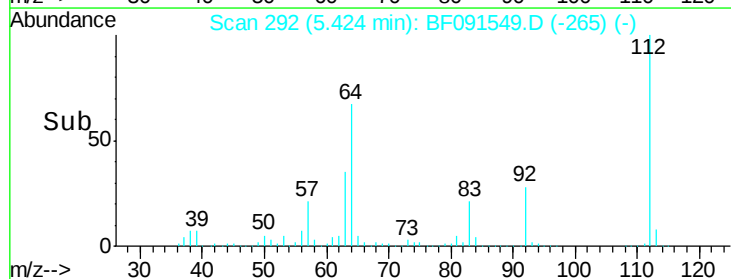
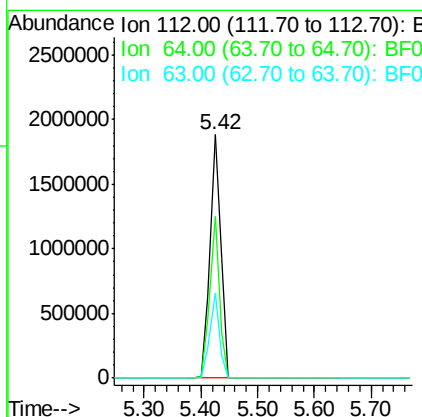
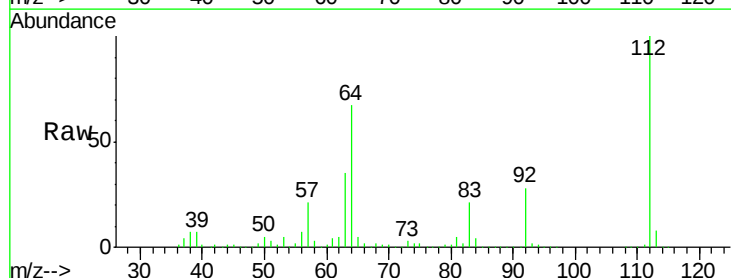
Instrument :
 BNA_F
 ClientSampleId :
 SS06-0-2IN

Tgt Ion:152 Resp: 311460
 Ion Ratio Lower Upper
 152 100
 150 159.4 122.5 183.7
 115 70.3 51.8 77.8



#5
 2-Fluorophenol
 Concen: 128.80 ng
 RT: 5.42 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: BF091549.D
 Acq: 13 Dec 2016 13:04

Tgt Ion:112 Resp: 2381056
 Ion Ratio Lower Upper
 112 100
 64 66.5 61.5 92.3
 63 34.8 33.3 49.9





#7

Phenol-d6

Concen: 144.44 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

Instrument :

BNA_F

ClientSampled :

SS06-0-2IN

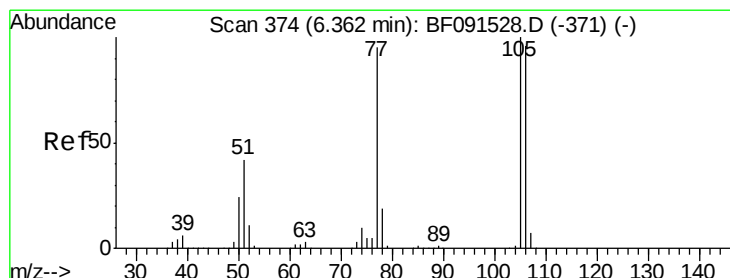
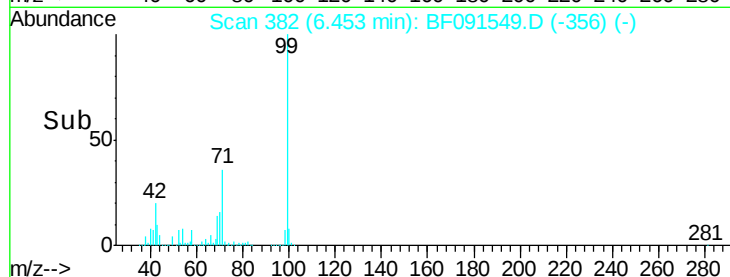
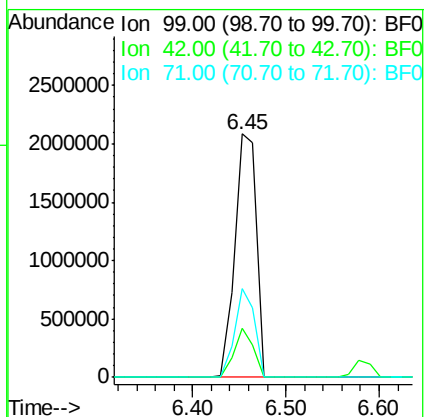
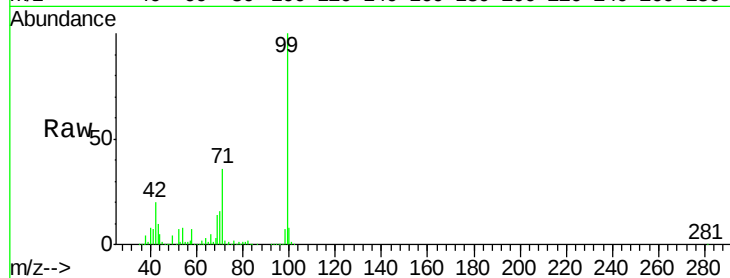
Tgt Ion: 99 Resp: 3328905

Ion Ratio Lower Upper

99 100

42 20.3 20.6 31.0#

71 36.2 29.9 44.9



#9

Benzaldehyde

Concen: 4.08 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.22 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

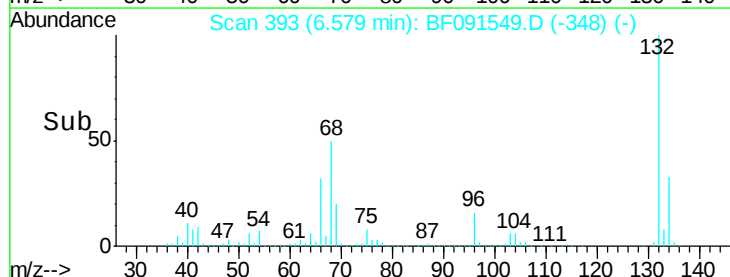
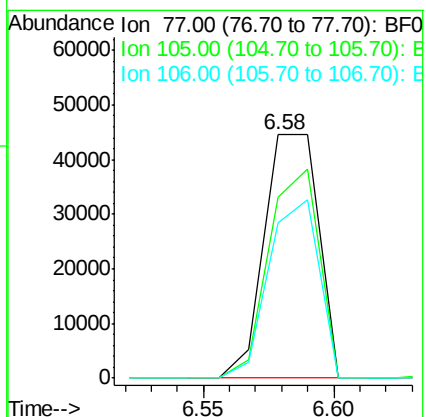
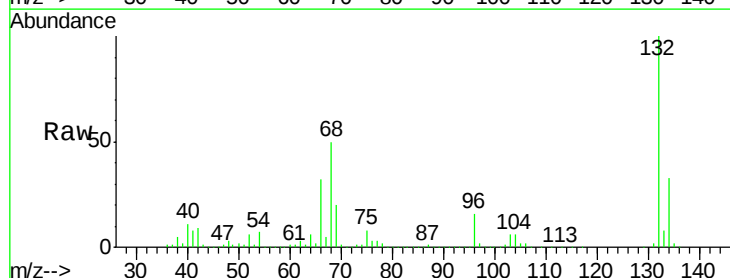
Tgt Ion: 77 Resp: 64638

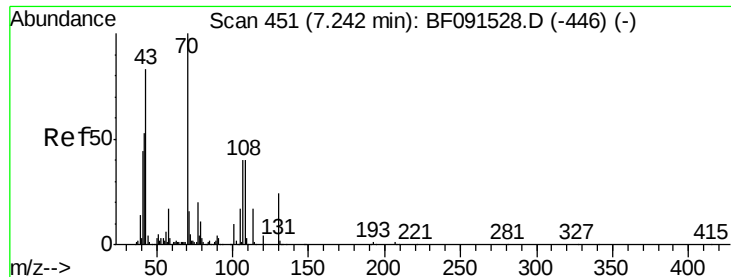
Ion Ratio Lower Upper

77 100

105 74.1 66.4 106.4

106 63.8 60.9 100.9

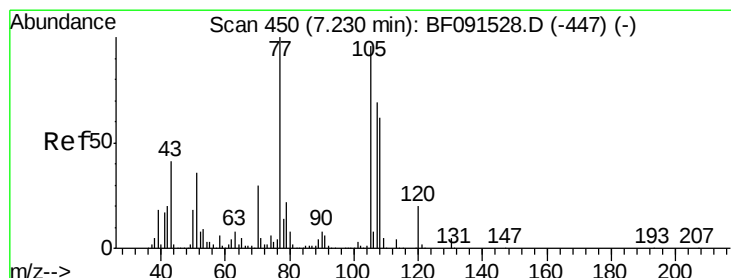
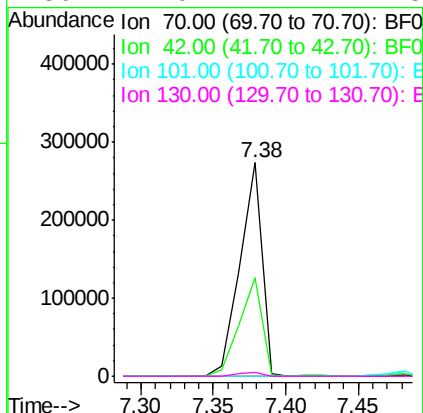
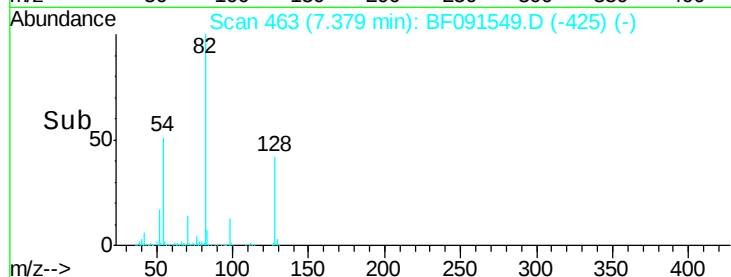
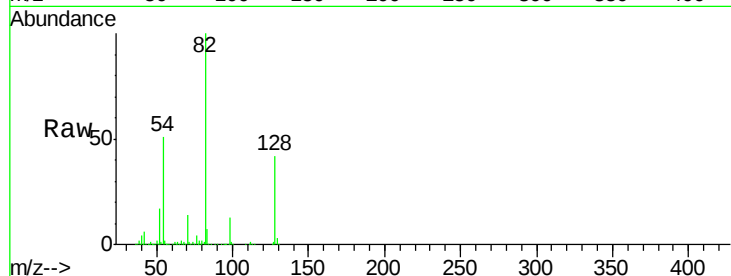




#19
n-Nitroso-di-n-propylamine
Concen: 20.19 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.14 min
Lab File: BF091549.D
Acq: 13 Dec 2016 13:04

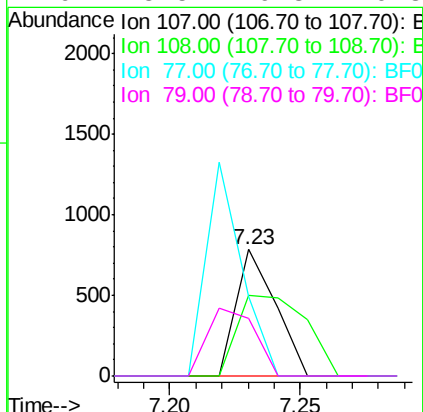
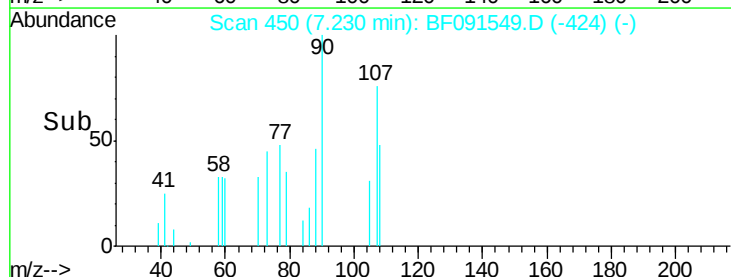
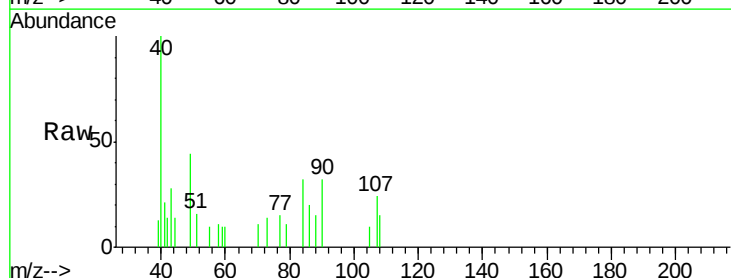
Instrument :
BNA_F
ClientSampleId :
SS06-0-2IN

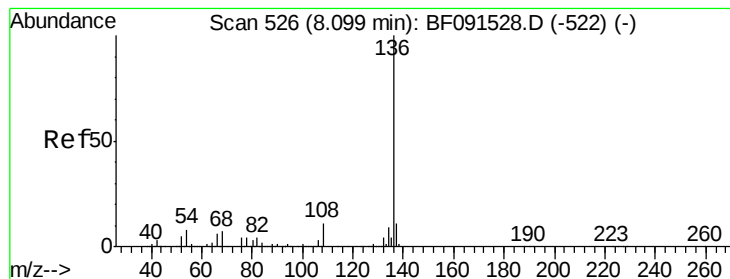
Tgt Ion: 70 Resp: 291014
Ion Ratio Lower Upper
70 100
42 45.9 64.8 97.2#
101 0.0 6.2 9.4#
130 2.0 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.23 min Scan# 450
Delta R.T. 0.00 min
Lab File: BF091549.D
Acq: 13 Dec 2016 13:04

Tgt Ion: 107 Resp: 828
Ion Ratio Lower Upper
107 100
108 63.4 64.6 104.6#
77 62.9 30.9 70.9
79 45.5 9.3 49.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

Instrument :

BNA_F

ClientSampleId :

SS06-0-2IN

Tgt Ion: 136 Resp: 1343725

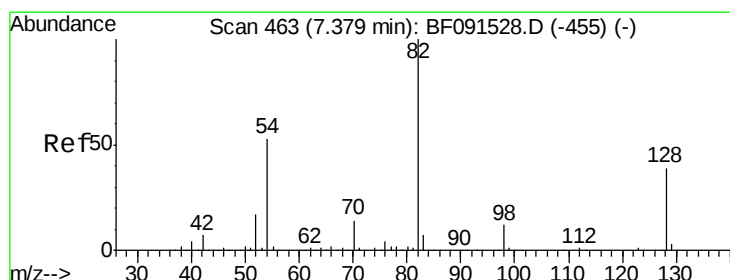
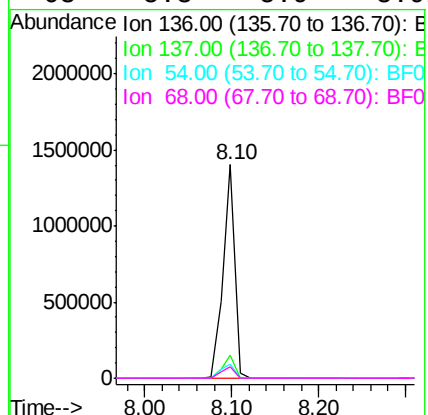
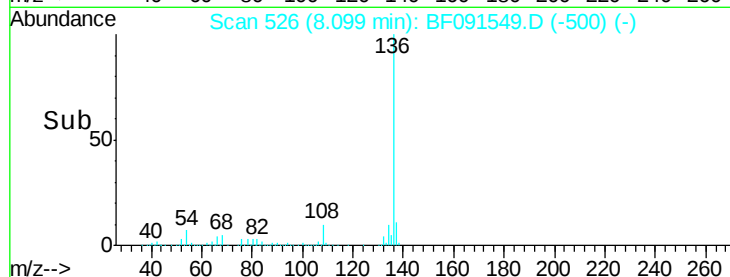
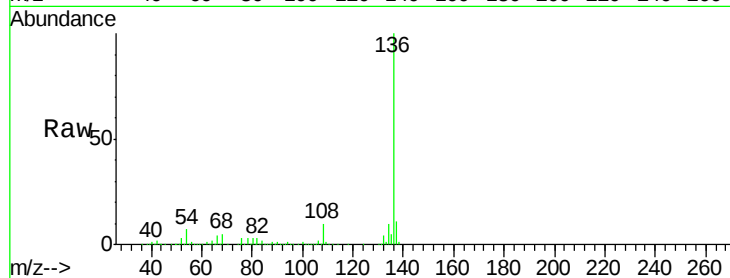
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.6 9.1 13.7#

68 5.3 5.9 8.9#



#23

Nitrobenzene-d5

Concen: 87.44 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.00 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

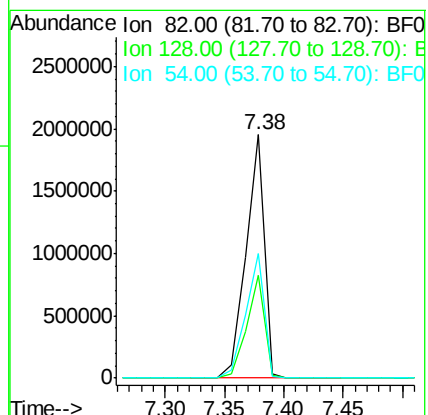
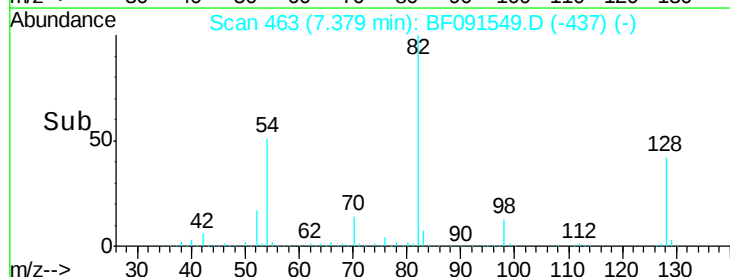
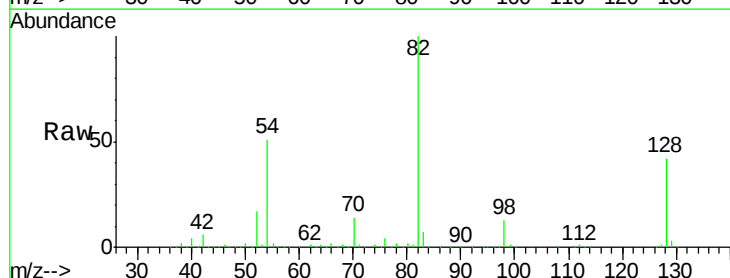
Tgt Ion: 82 Resp: 2105167

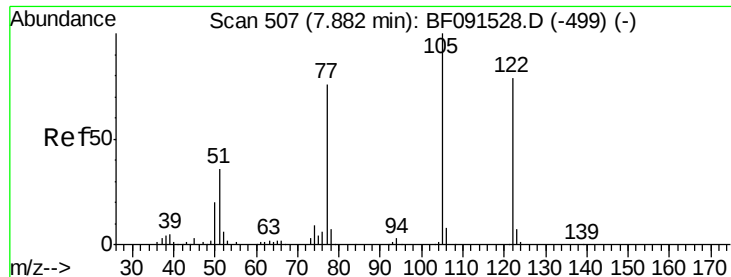
Ion Ratio Lower Upper

82 100

128 42.0 31.8 47.6

54 51.1 49.1 73.7





#32

Benzoic acid

Concen: 4.92 ng

RT: 7.96 min Scan# 514

Delta R.T. 0.08 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

Instrument :

BNA_F

ClientSampleId :

SS06-0-2IN

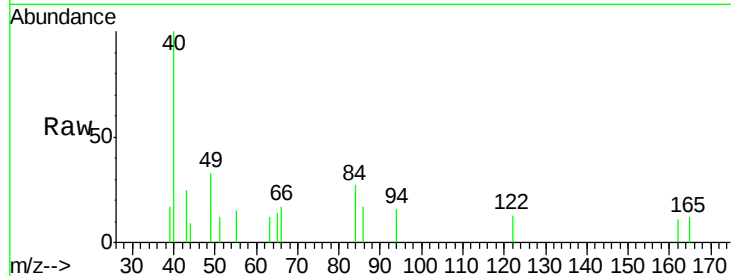
Tgt Ion:122 Resp: 300

Ion Ratio Lower Upper

122 100

105 0.0 113.0 153.0#

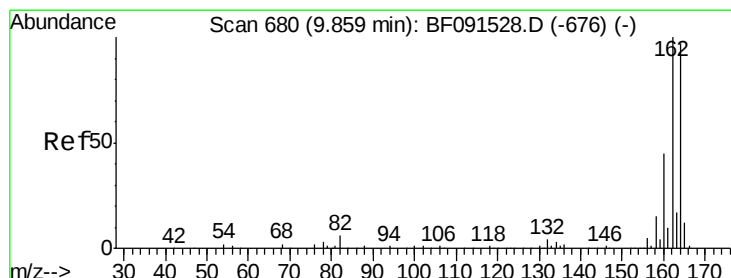
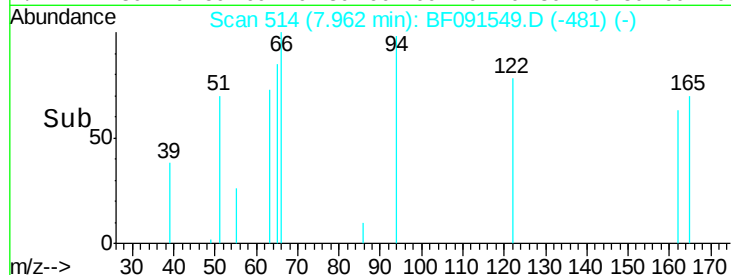
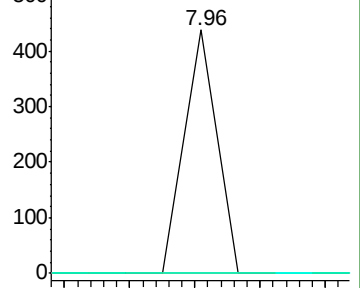
77 0.0 82.0 122.0#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

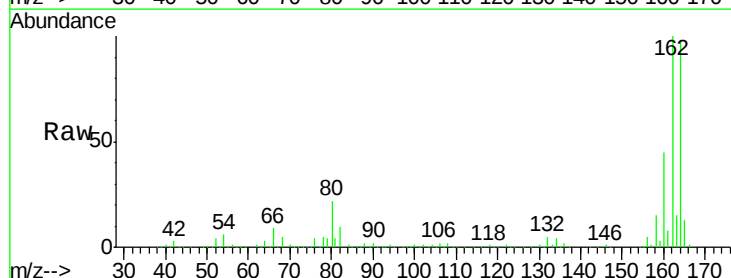
Tgt Ion:164 Resp: 643109

Ion Ratio Lower Upper

164 100

162 101.7 82.6 124.0

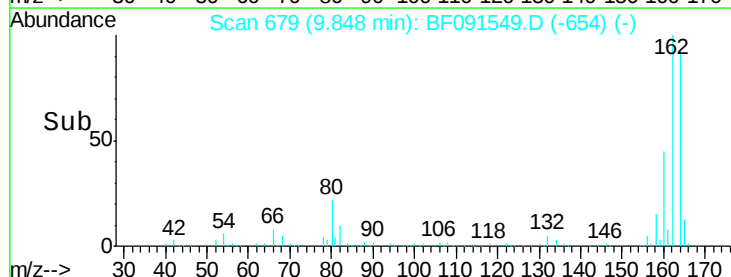
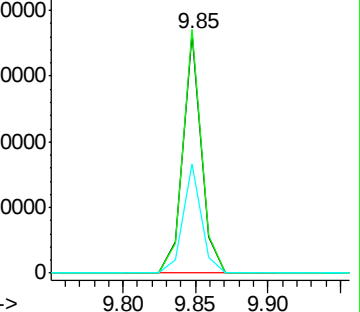
160 45.6 36.7 55.1

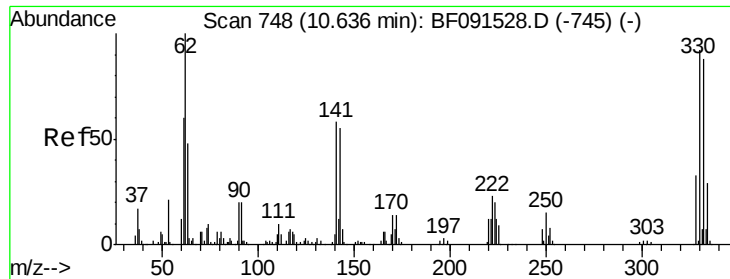


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

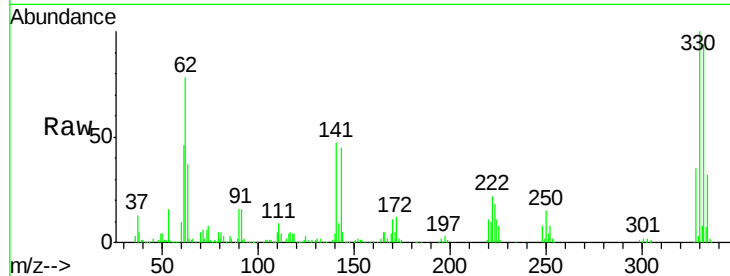




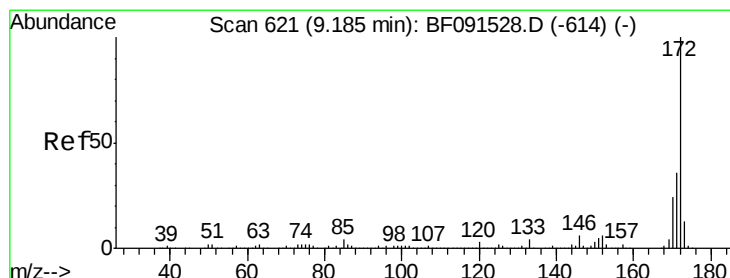
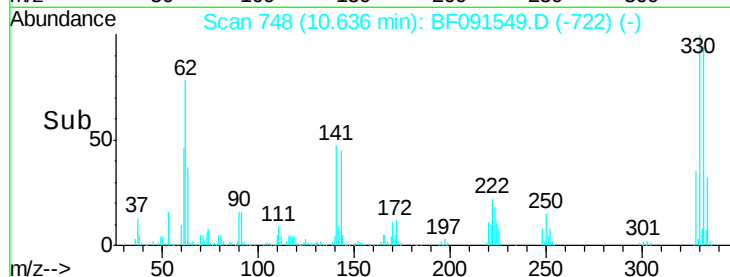
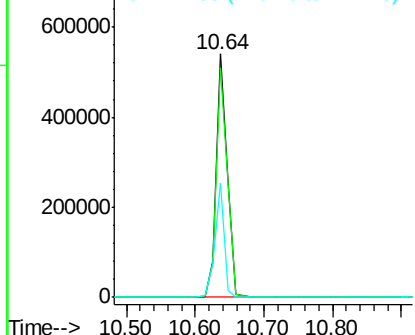
#41
 2,4,6-Tribromophenol
 Concen: 114.95 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF091549.D
 Acq: 13 Dec 2016 13:04

Instrument :
 BNA_F
 ClientSampleId :
 SS06-0-2IN

Tgt Ion:330 Resp: 614017
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.2 114.4
 141 39.5 33.6 50.4

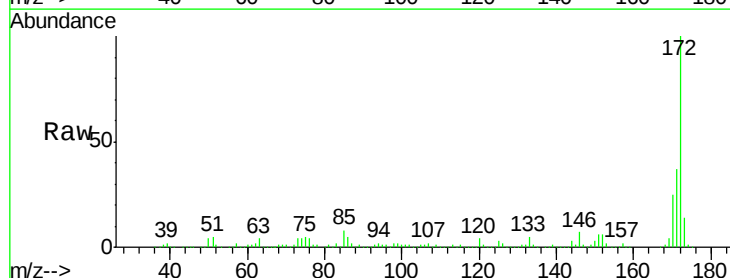


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

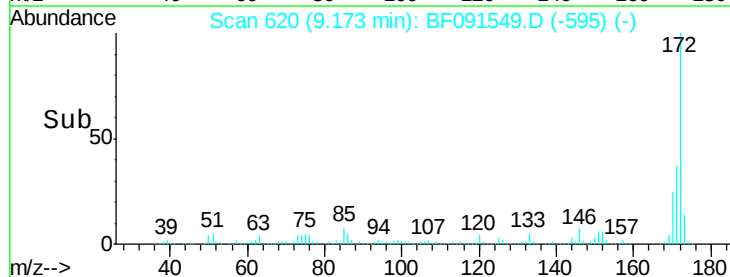
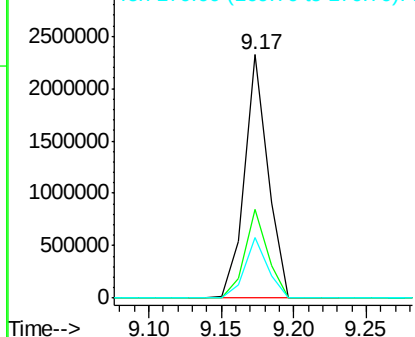


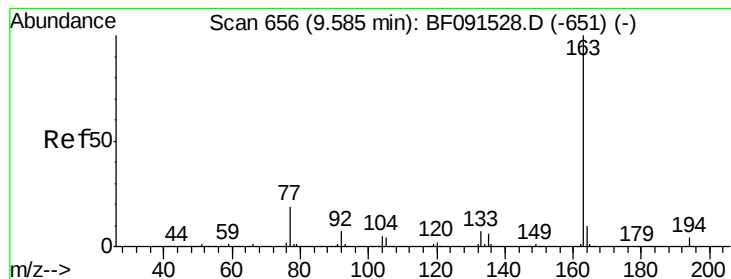
#44
 2-Fluorobiphenyl
 Concen: 70.03 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091549.D
 Acq: 13 Dec 2016 13:04

Tgt Ion:172 Resp: 2606309
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 25.1 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





#49

Dimethylphthalate

Concen: 33.34 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

Instrument :

BNA_F

ClientSampleId :

SS06-0-2IN

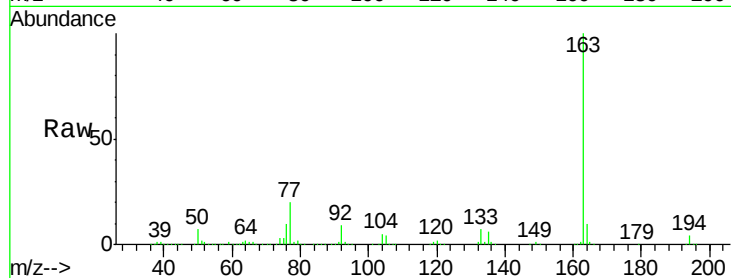
Tgt Ion:163 Resp: 1357492

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

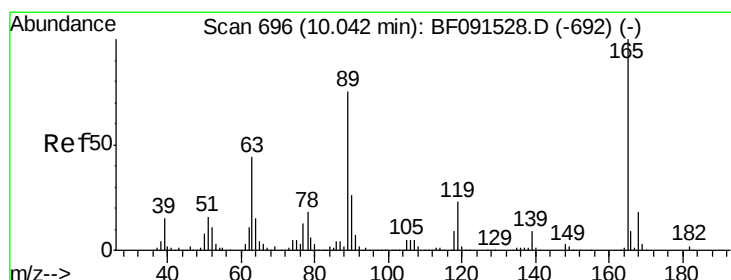
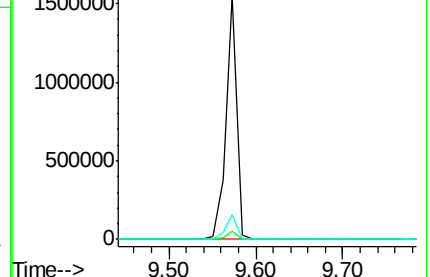
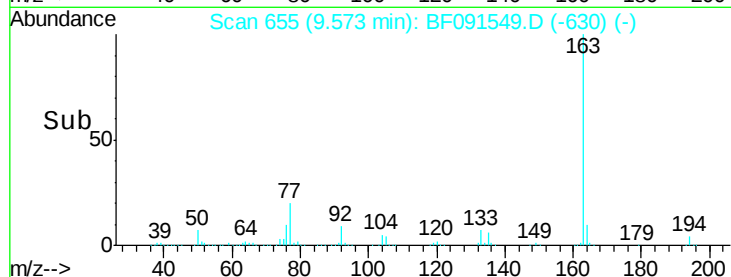
164 10.3 7.8 11.8



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



#56

2,4-Dinitrotoluene

Concen: 7.70 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.19 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

Tgt Ion:165 Resp: 86291

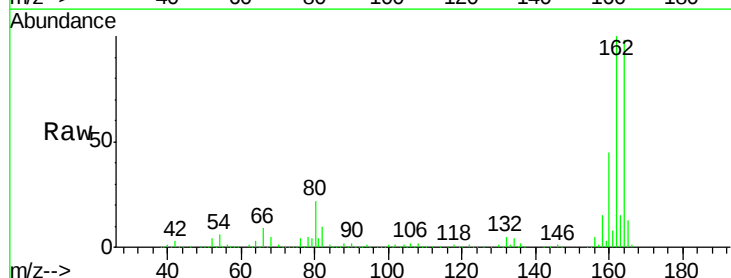
Ion Ratio Lower Upper

165 100

63 0.7 29.0 43.4#

89 1.3 43.1 64.7#

182 0.0 1.9 2.9#

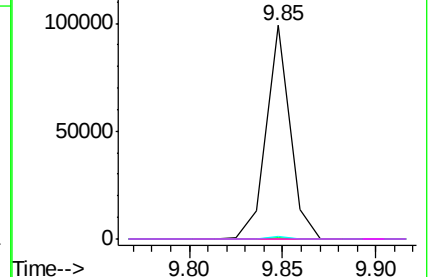
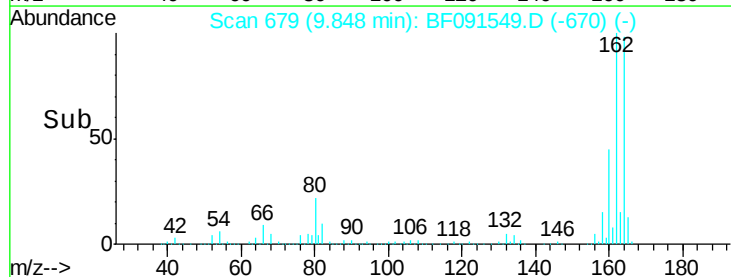


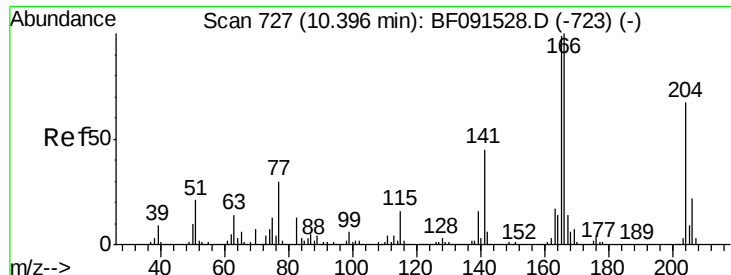
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

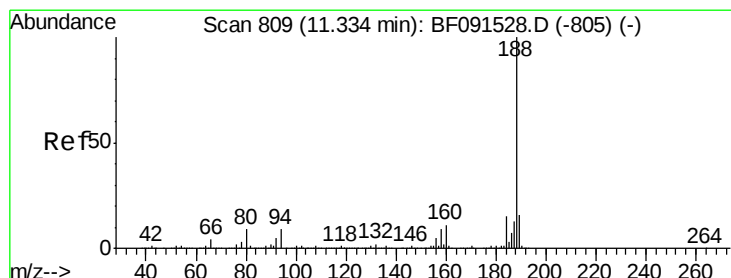
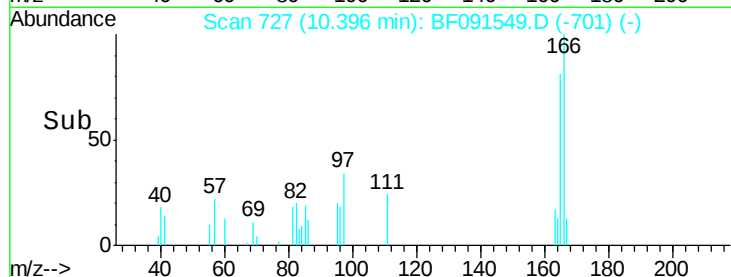
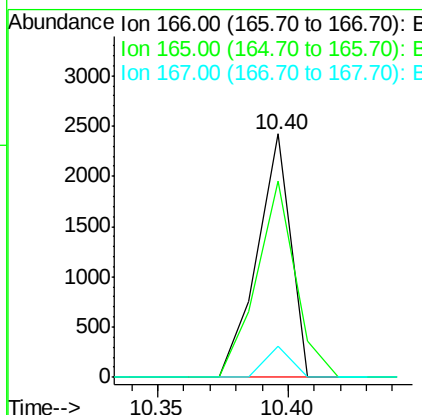
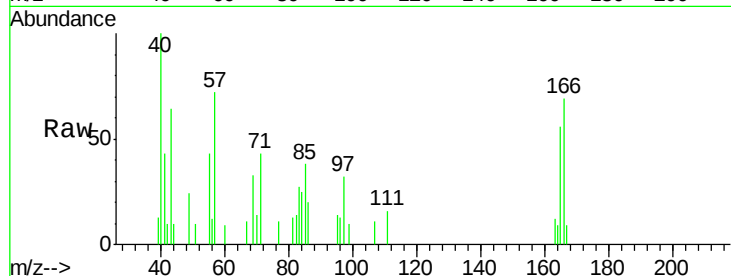




#57
Fluorene
 Concen: Below Cal
 RT: 10.40 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: BF091549.D
 Acq: 13 Dec 2016 13:04

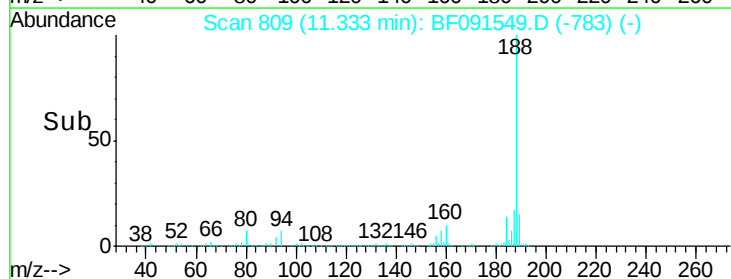
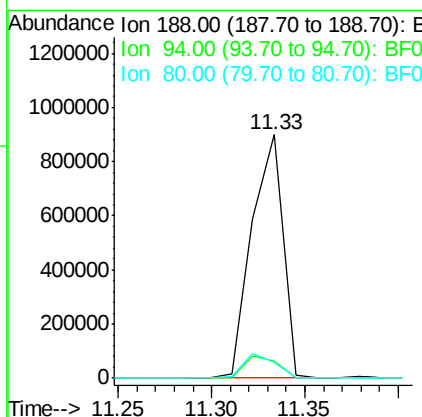
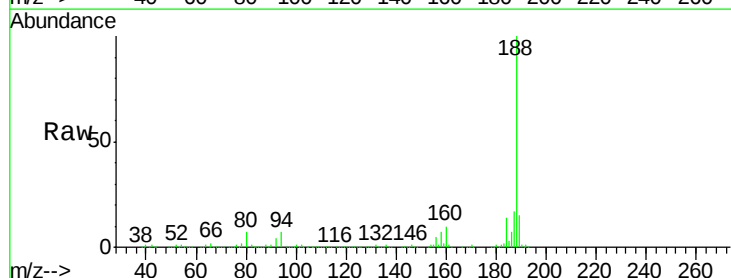
Instrument :
 BNA_F
 ClientSampleId :
 SS06-0-2IN

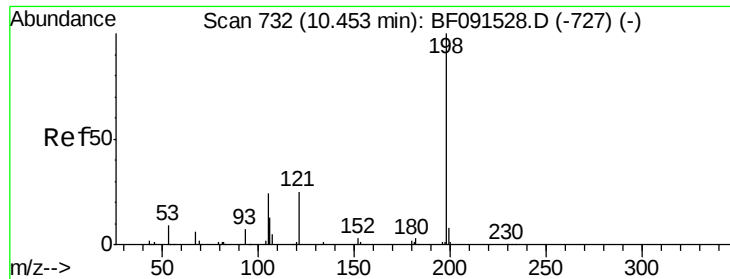
Tgt Ion:166 Resp: 2178
 Ion Ratio Lower Upper
 166 100
 165 80.7 80.0 120.0
 167 12.8 10.8 16.2



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BF091549.D
 Acq: 13 Dec 2016 13:04

Tgt Ion:188 Resp: 1042187
 Ion Ratio Lower Upper
 188 100
 94 6.8 9.2 13.8#
 80 6.7 10.5 15.7#





#64

4,6-Dinitro-2-methylphenol

Concen: 3.12 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.18 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

Instrument :

BNA_F

ClientSampleId :

SS06-0-2IN

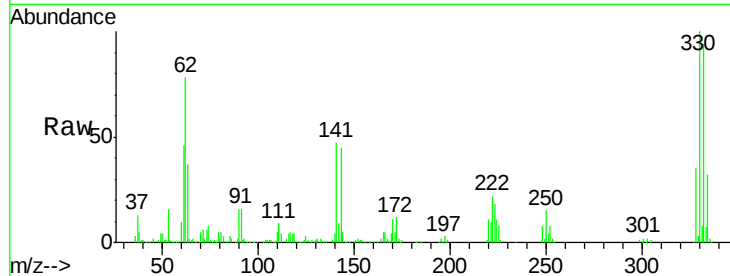
Tgt Ion:198 Resp: 1183

Ion Ratio Lower Upper

198 100

51 245.8 77.1 117.1#

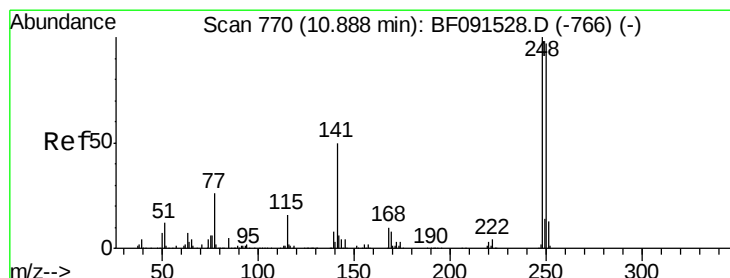
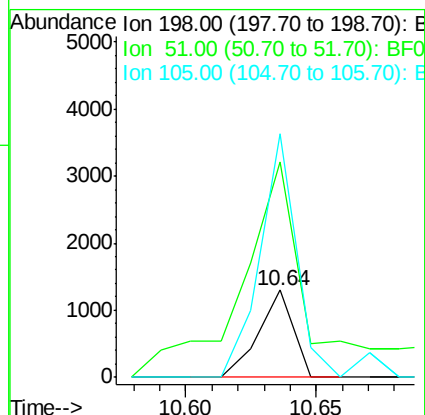
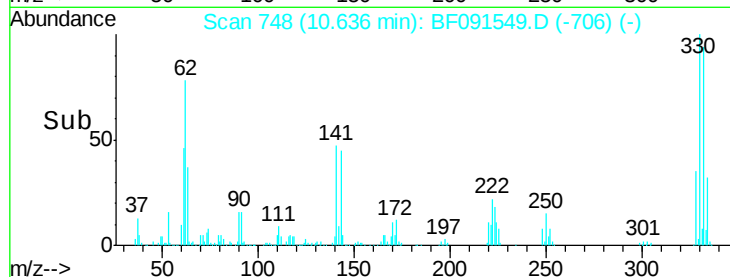
105 278.6 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.71 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

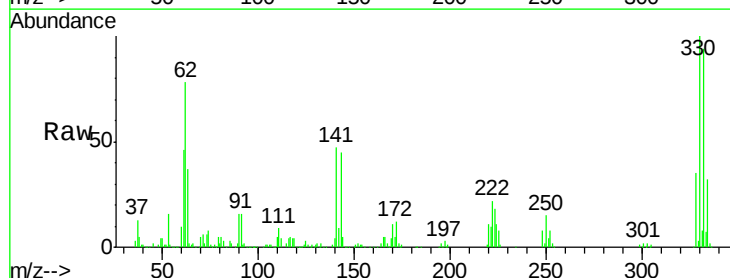
Tgt Ion:248 Resp: 39622

Ion Ratio Lower Upper

248 100

250 196.8 78.2 117.4#

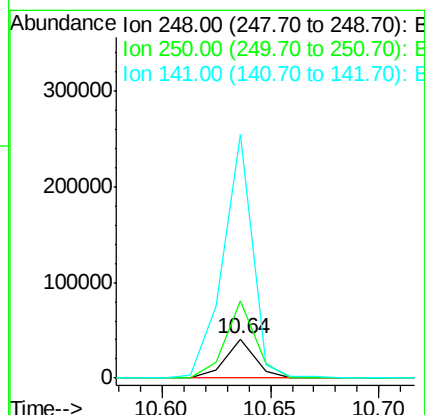
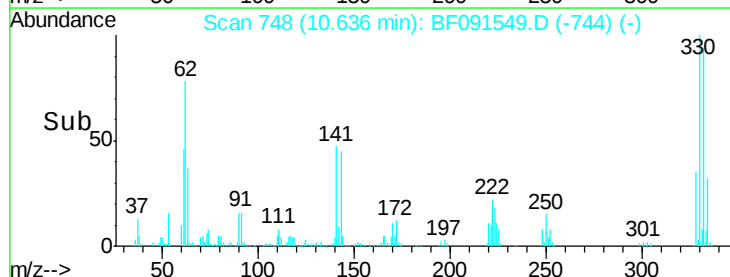
141 620.8 71.9 107.9#

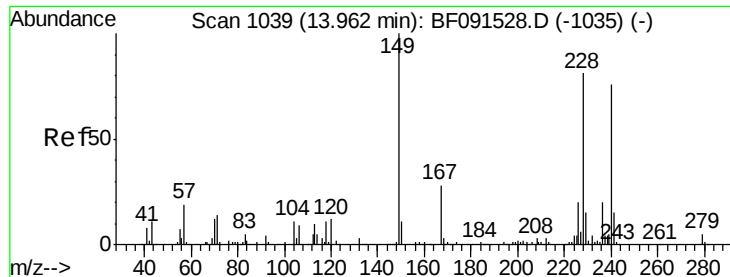


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

Instrument :

BNA_F

ClientSampleId :

SS06-0-2IN

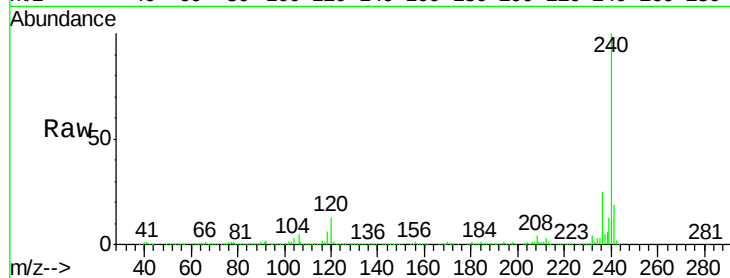
Tgt Ion:240 Resp: 783001

Ion Ratio Lower Upper

240 100

120 12.7 12.1 18.1

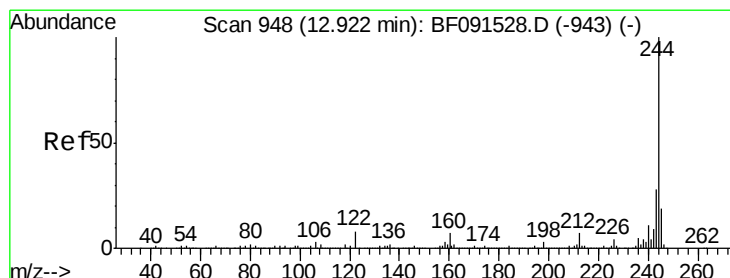
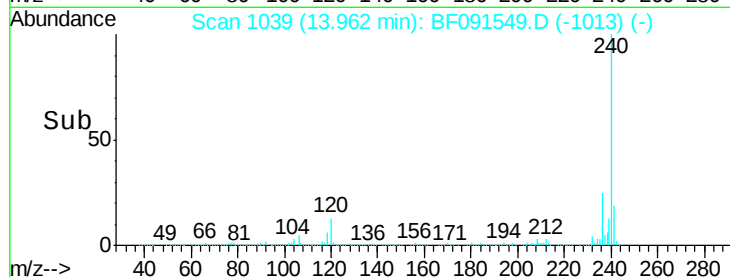
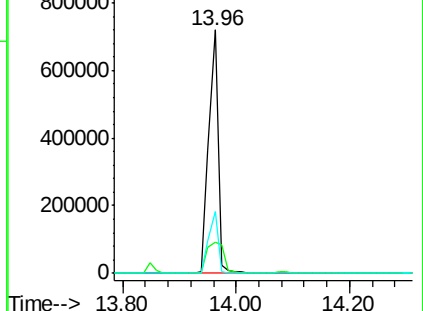
236 25.4 21.0 31.6



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



#78

Terphenyl-d14

Concen: 74.54 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

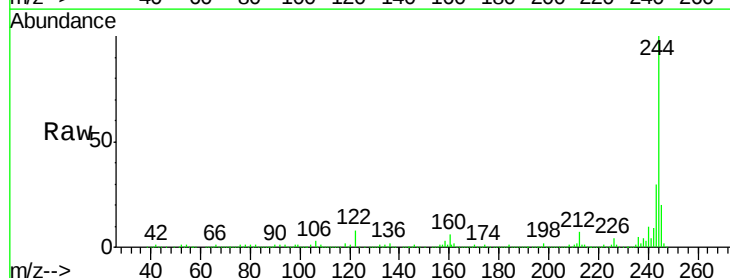
Tgt Ion:244 Resp: 2572246

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

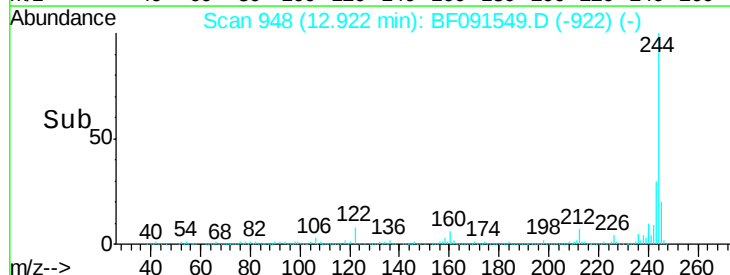
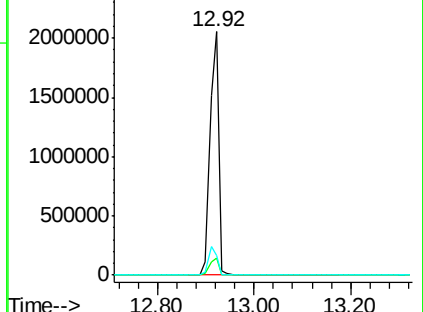
122 8.0 9.5 14.3#

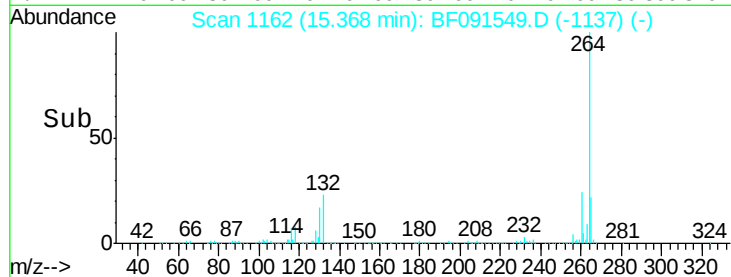
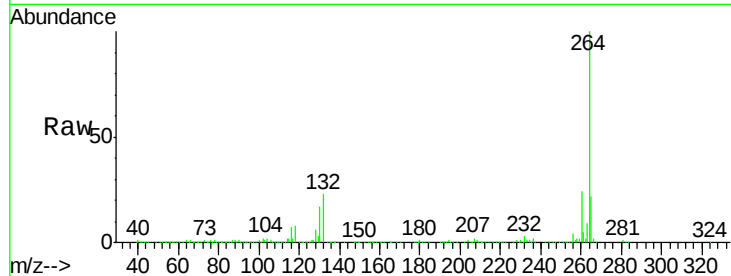
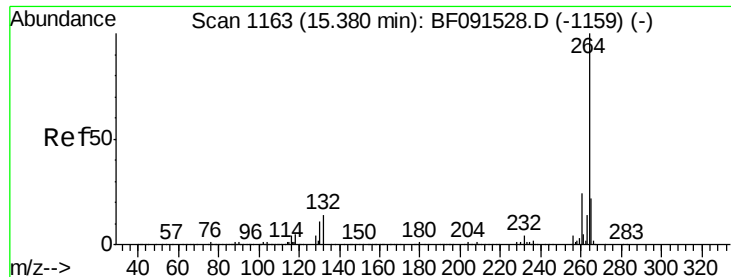


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF091549.D

Acq: 13 Dec 2016 13:04

Instrument :

BNA_F

ClientSampleId :

SS06-0-2IN

Tgt Ion:264 Resp: 644952

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.0 17.0 25.6

