

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122916\
 Data File : BF092024.D
 Acq On : 29 Dec 2016 15:17
 Operator : UM/SJ
 Sample : H6278-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-X

Quant Time: Dec 29 15:42:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

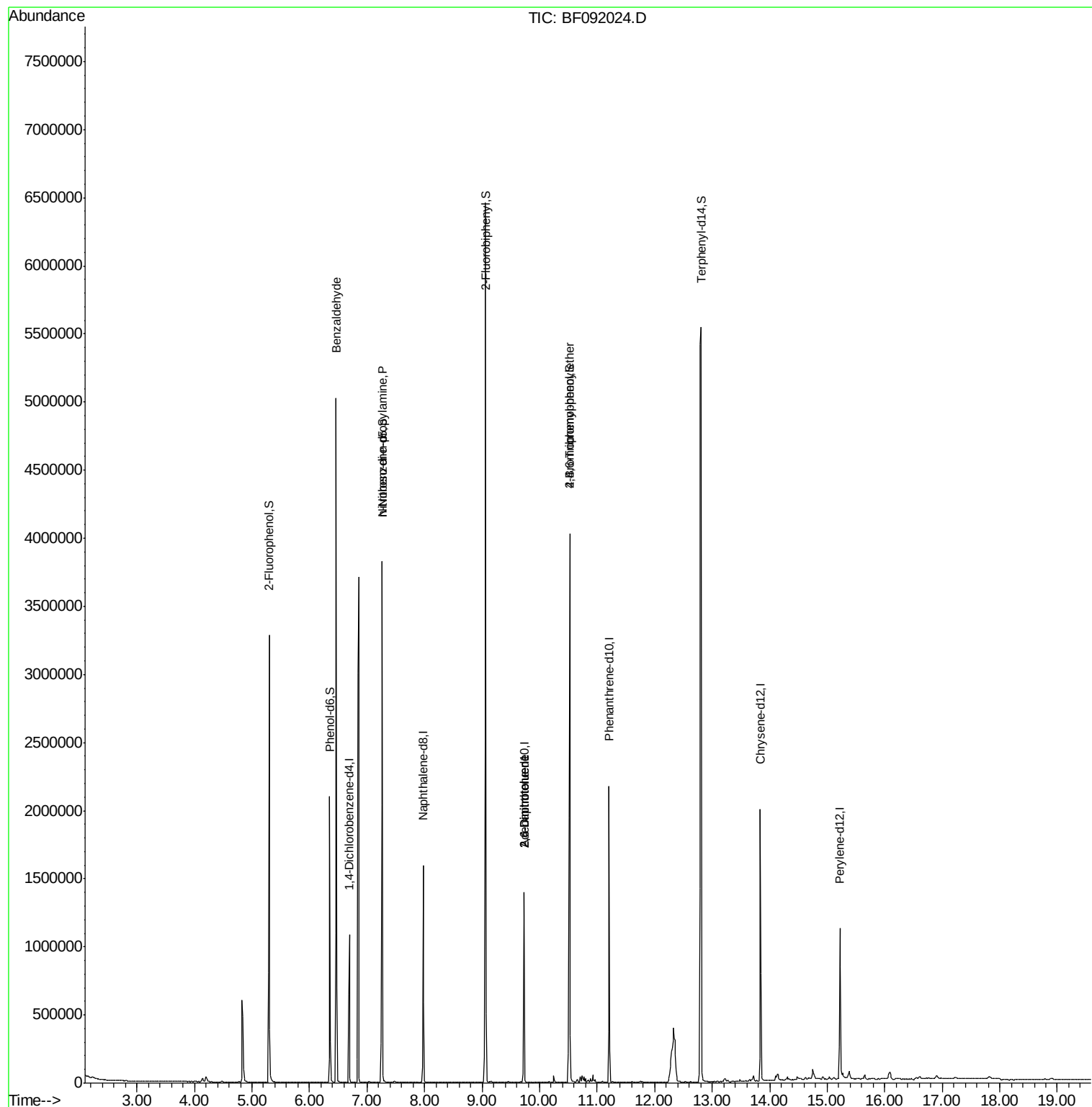
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	203733	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	801940	20.00	ng	-0.02
38) Acenaphthene-d10	9.73	164	446089	20.00	ng	-0.02
63) Phenanthrene-d10	11.21	188	764907	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	758919	20.00	ng	-0.03
86) Perylene-d12	15.22	264	584759	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	898445	73.63	ng	-0.02
7) Phenol-d6	6.35	99	654962	43.97	ng	-0.03
23) Nitrobenzene-d5	7.26	82	1518670	105.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	517677	140.23	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	2153792	101.42	ng	-0.02
78) Terphenyl-d14	12.81	244	2878587	91.99	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.46	77	33353	2.77	ng	# 69
19) n-Nitroso-di-n-propylamine	7.26	70	205055	20.69	ng	# 76
50) 2,6-Dinitrotoluene	9.73	165	57136	9.15	ng	# 30
56) 2,4-Dinitrotoluene	9.73	165	57136	7.29	ng	# 19
66) 4-Bromophenyl-phenylether	10.52	248	33562	4.22	ng	# 1
71) Anthracene	11.28	178	592	Below Cal	#	59
73) Di-n-butylphthalate	11.78	149	5176	Below Cal	#	94
74) Fluoranthene	12.42	202	1308	Below Cal		61

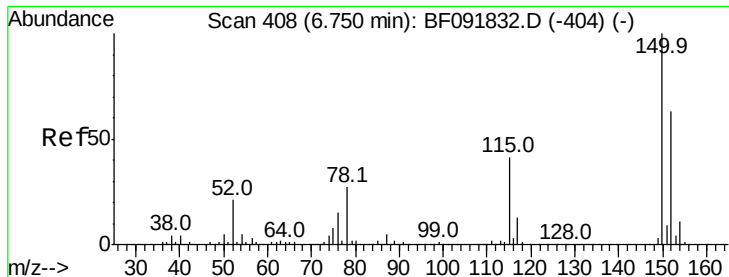
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

DUP-X

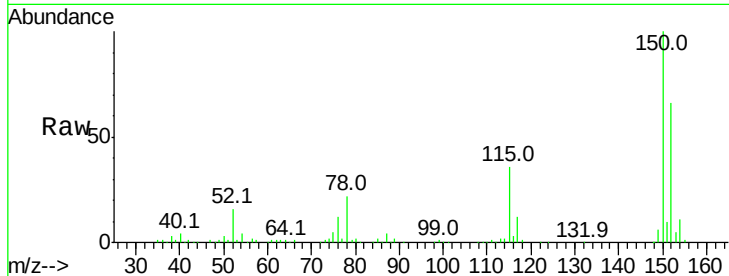
Tot Ion:152 Resp: 203733

Ion Ratio Lower Upper

152 100

150 151.0 124.9 187.3

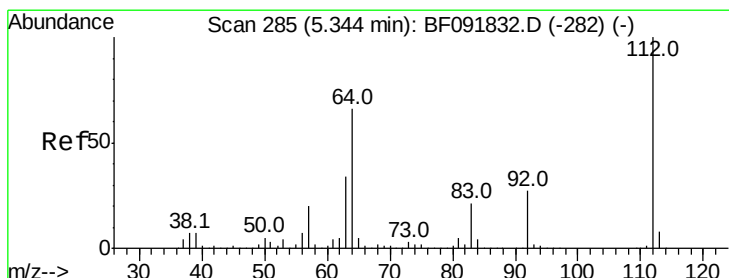
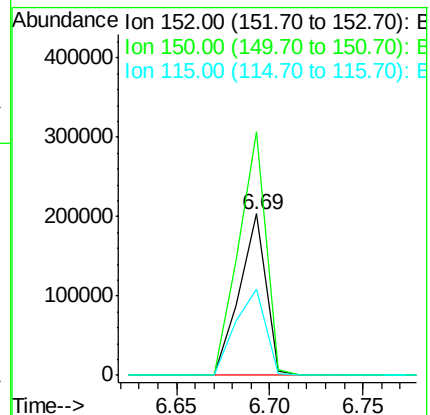
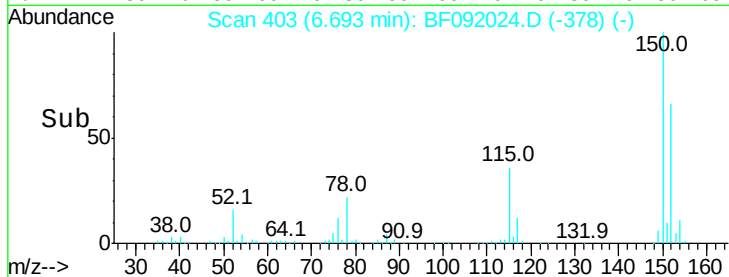
115 53.8 46.0 69.0



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: 73.63 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

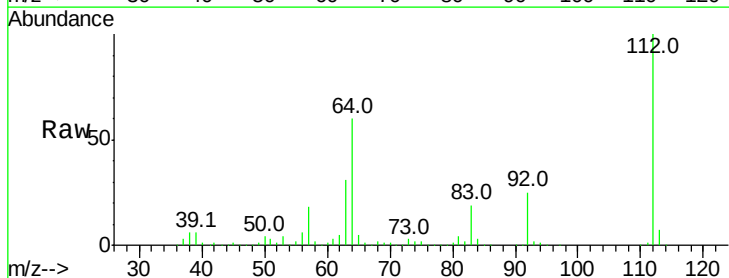
Tgt Ion:112 Resp: 898445

Ion Ratio Lower Upper

112 100

64 60.0 46.1 69.1

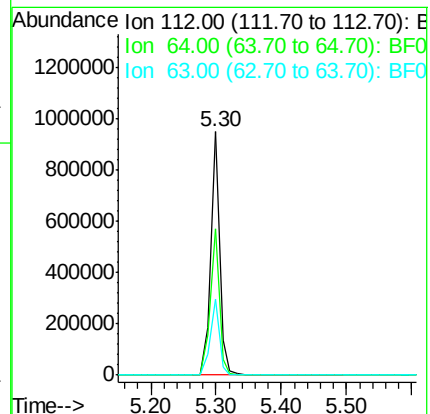
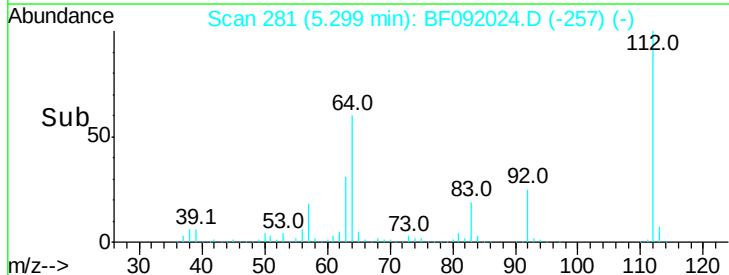
63 31.2 23.8 35.6

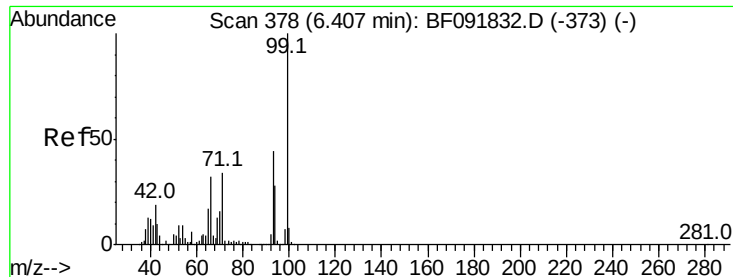


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.97 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.03 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

DUP-X

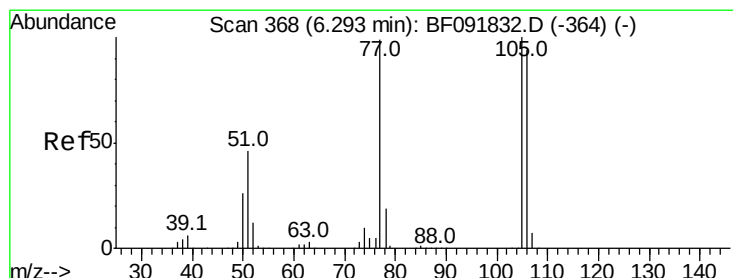
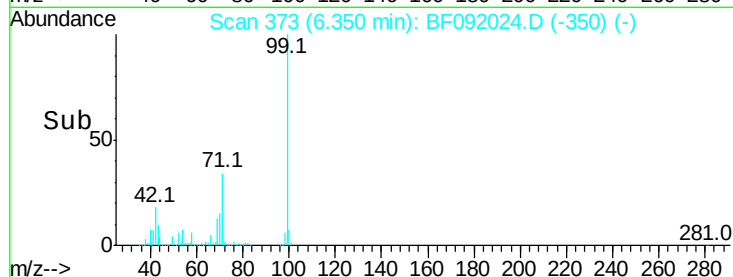
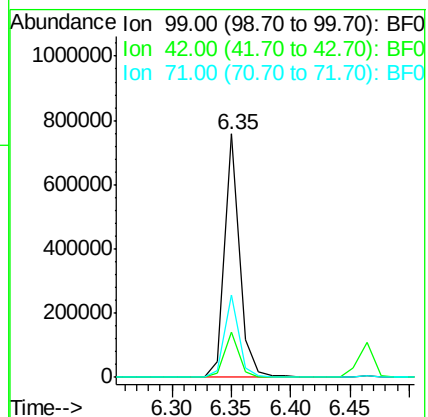
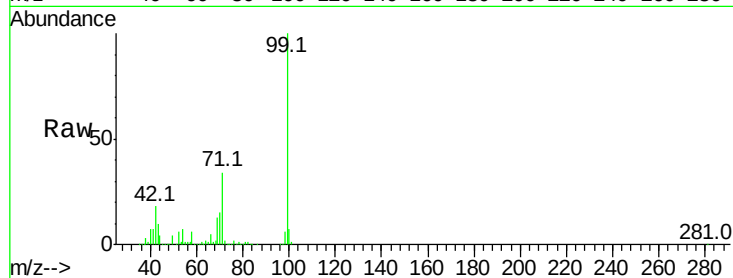
Tot Ion: 99 Resp: 654962

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

71 34.0 27.5 41.3



#9

Benzaldehyde

Concen: 2.77 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.22 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

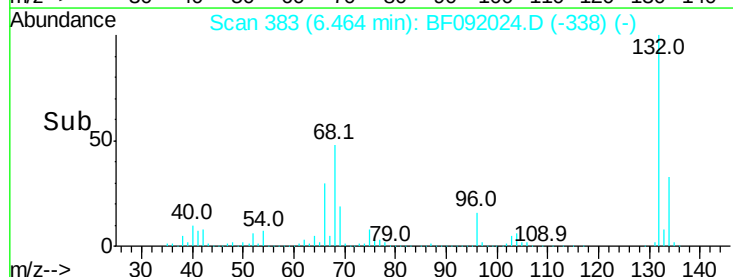
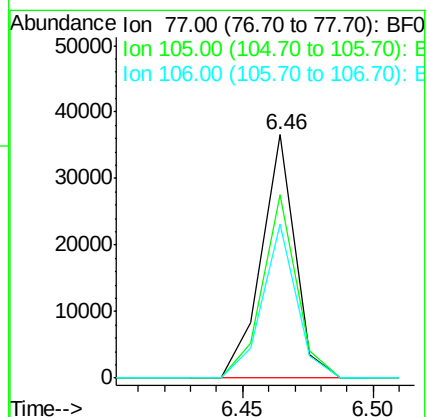
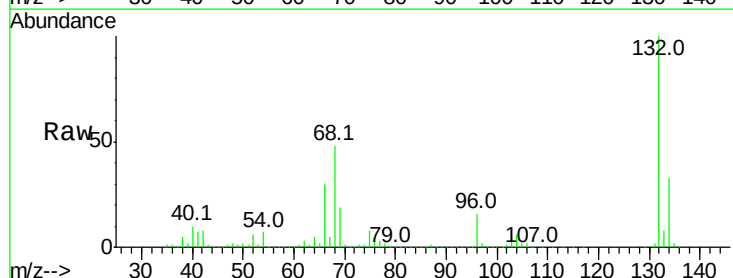
Tgt Ion: 77 Resp: 33353

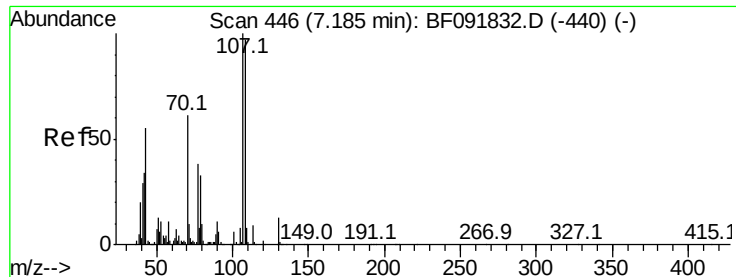
Ion Ratio Lower Upper

77 100

105 75.4 83.9 123.9#

106 63.4 77.6 117.6#





#19

n-Nitroso-di-n-propylamine

Concen: 20.69 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.13 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

Instrument :

BNA_F

ClientSampled :

DUP-X

Tot Ion: 70 Resp: 205055

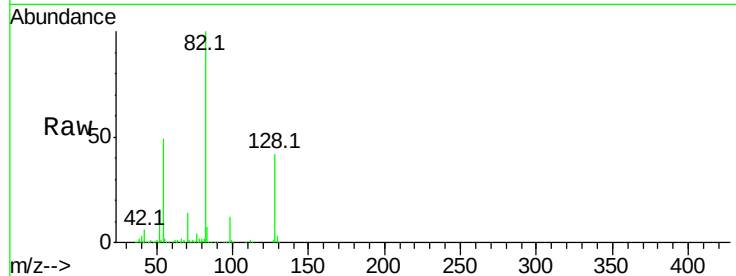
Ion Ratio Lower Upper

70 100

42 45.6 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

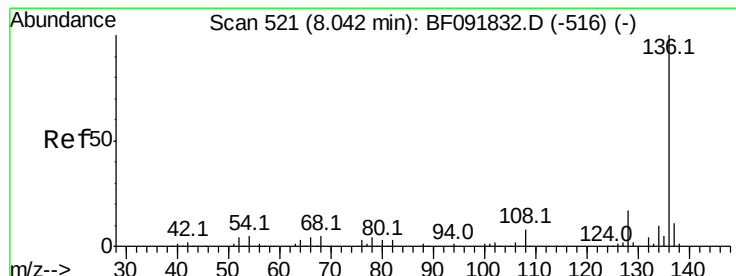
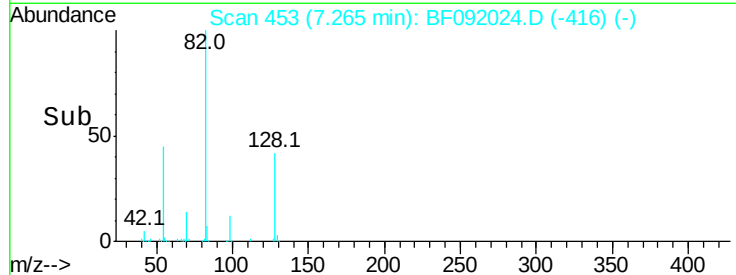
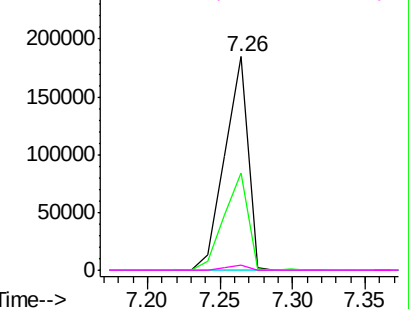


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

Tgt Ion: 136 Resp: 801940

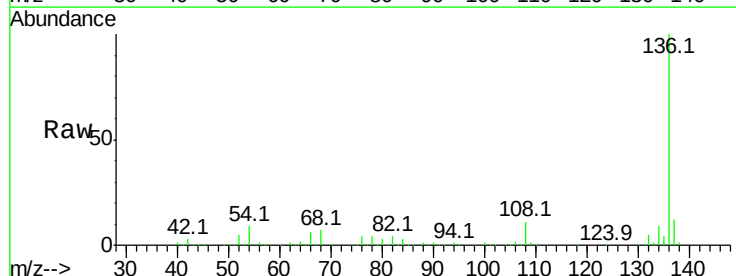
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 9.1 4.5 6.7#

68 6.7 3.6 5.4#

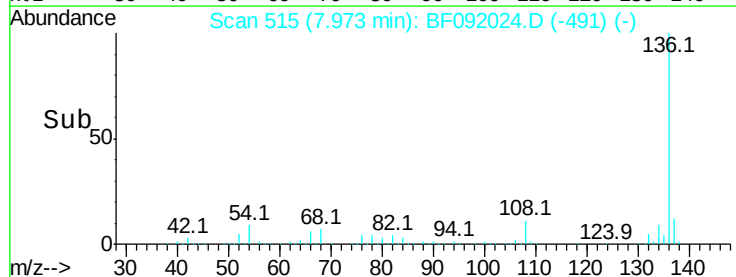
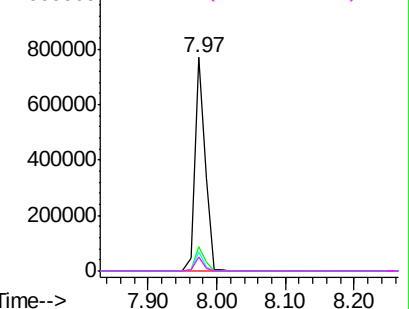


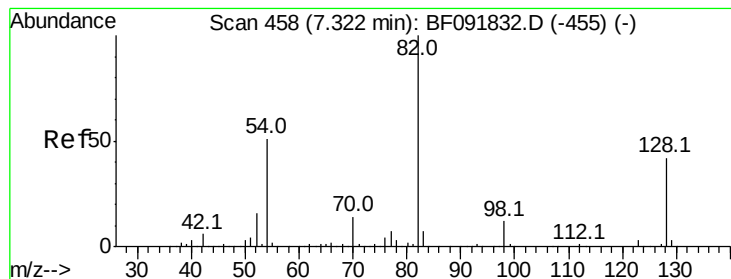
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 105.30 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

DUP-X

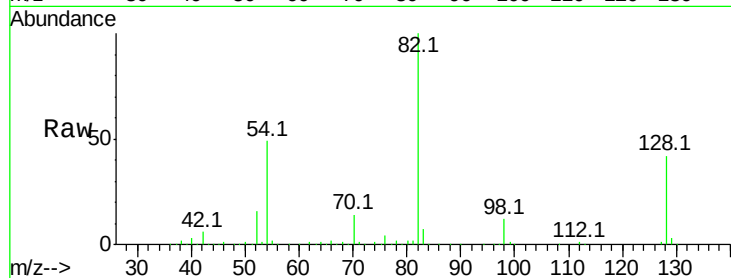
Tot Ion: 82 Resp: 1518670

Ion Ratio Lower Upper

82 100

128 42.4 34.6 52.0

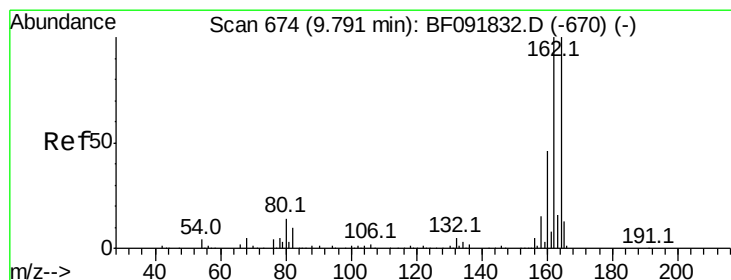
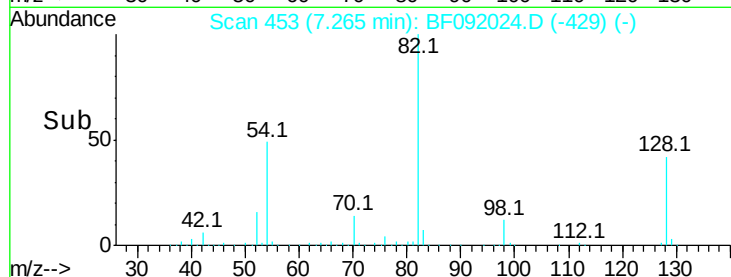
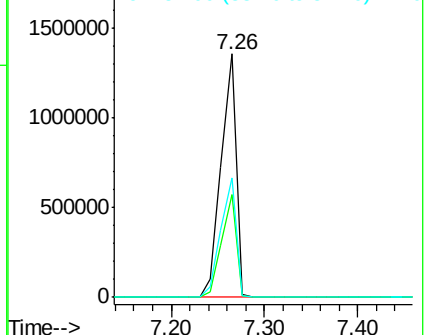
54 48.9 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

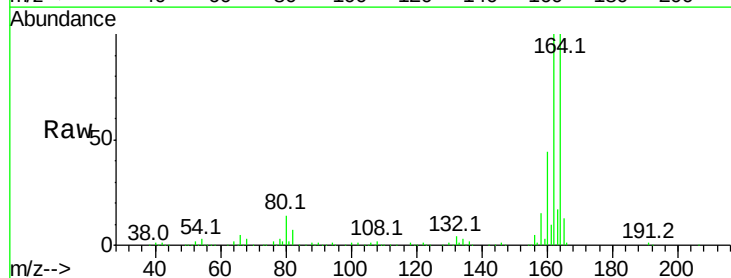
Tgt Ion:164 Resp: 446089

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

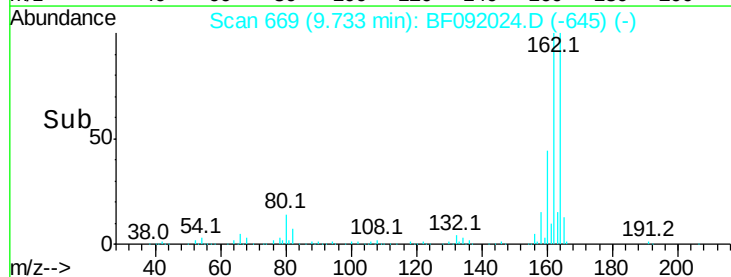
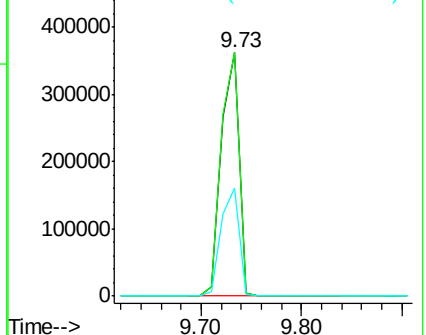
160 44.1 36.9 55.3

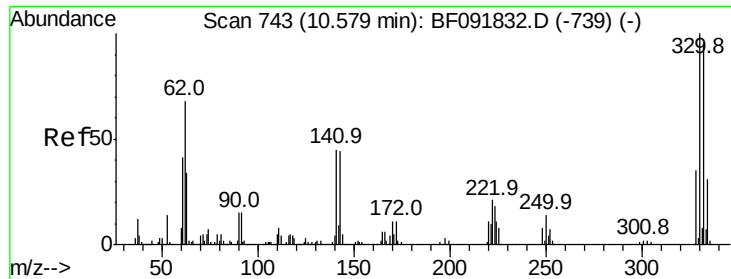


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

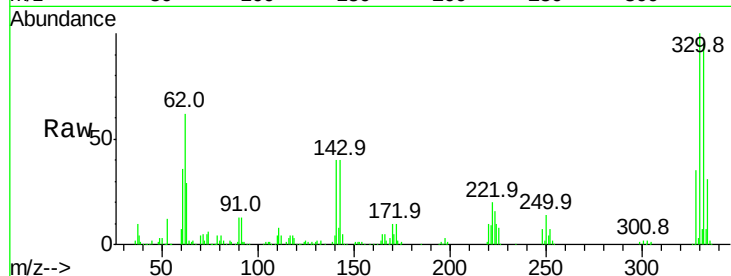




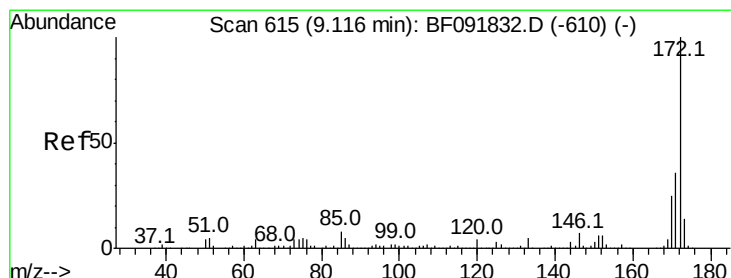
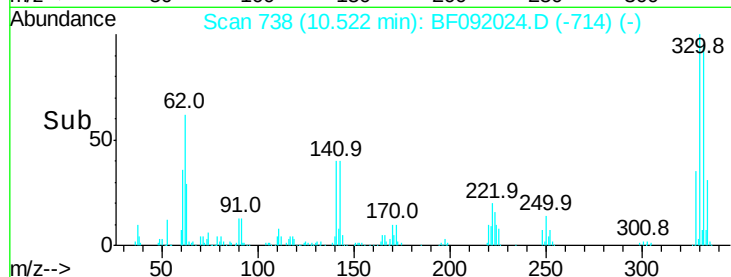
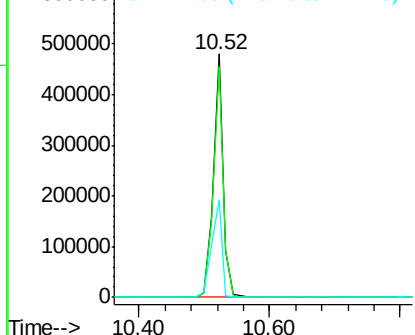
#41
 2,4,6-Tribromophenol
 Concen: 140.23 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.02 min
 Lab File: BF092024.D
 Acq: 29 Dec 2016 15:17

Instrument :
 BNA_F
 ClientSampleId :
 DUP-X

Tot Ion:330 Resp: 517677
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.4 116.2
 141 41.6 34.1 51.1

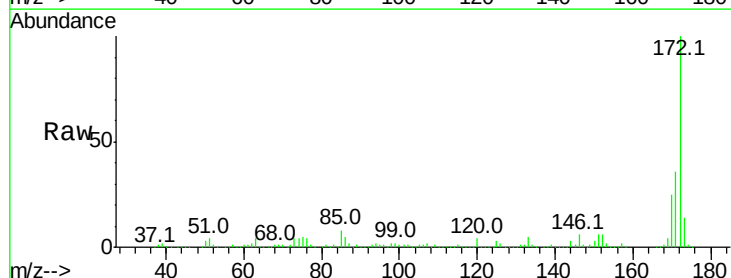


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

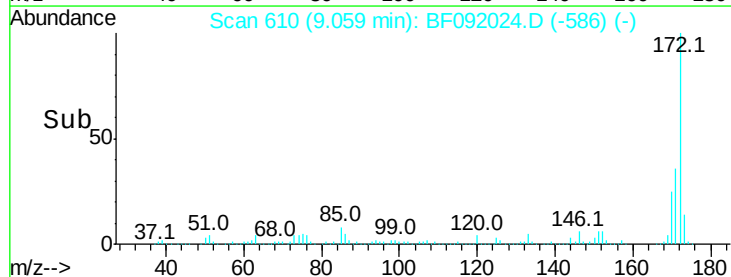
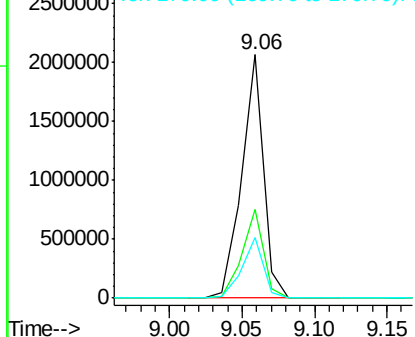


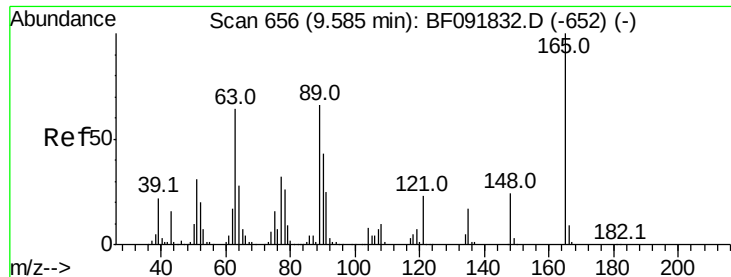
#44
 2-Fluorobiphenyl
 Concen: 101.42 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF092024.D
 Acq: 29 Dec 2016 15:17

Tgt Ion:172 Resp: 2153792
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 25.1 20.2 30.4



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

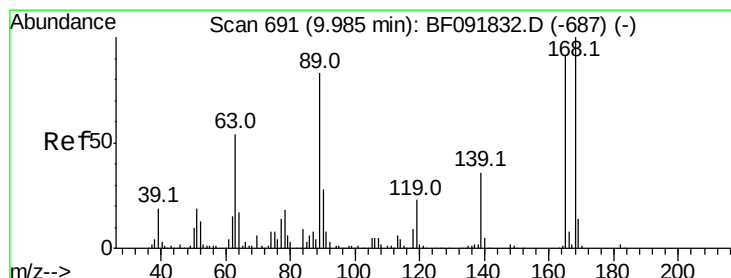
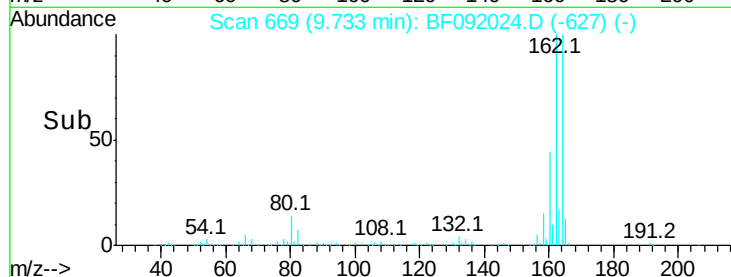
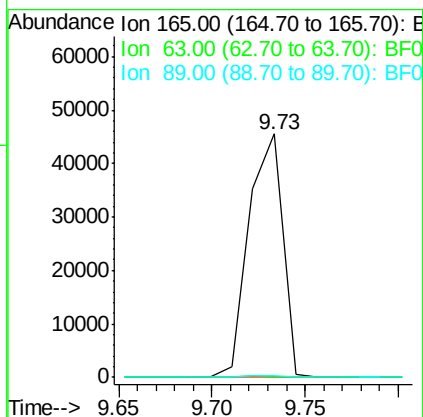
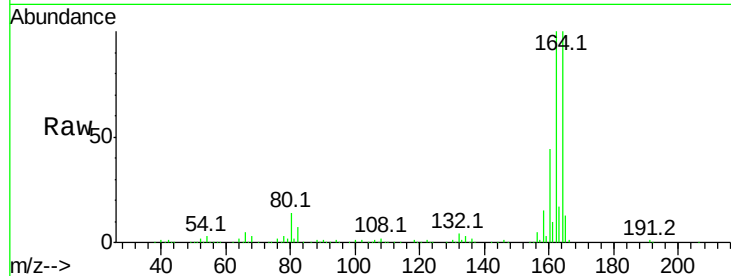




#50
 2,6-Dinitrotoluene
 Concen: 9.15 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.18 min
 Lab File: BF092024.D
 Acq: 29 Dec 2016 15:17

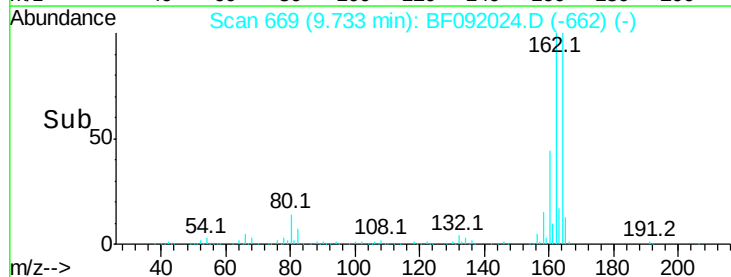
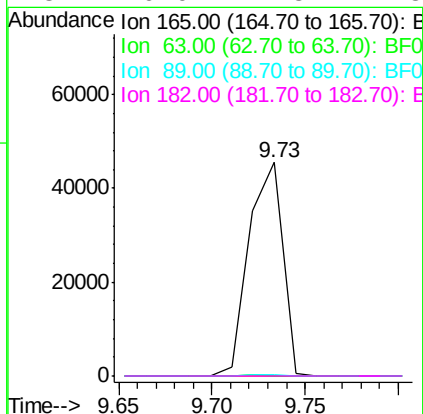
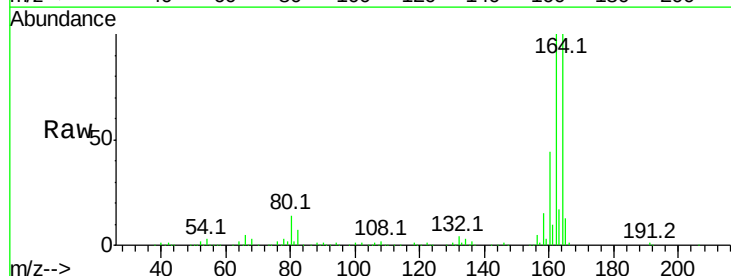
Instrument :
 BNA_F
 ClientSampleId :
 DUP-X

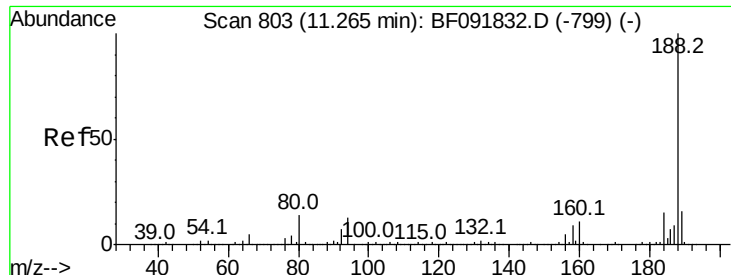
Tot Ion:165 Resp: 57136
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.2 54.4#
 89 0.9 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 7.29 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.22 min
 Lab File: BF092024.D
 Acq: 29 Dec 2016 15:17

Tgt Ion:165 Resp: 57136
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.2 60.4#
 89 0.9 62.5 93.7#
 182 0.0 1.8 2.8#

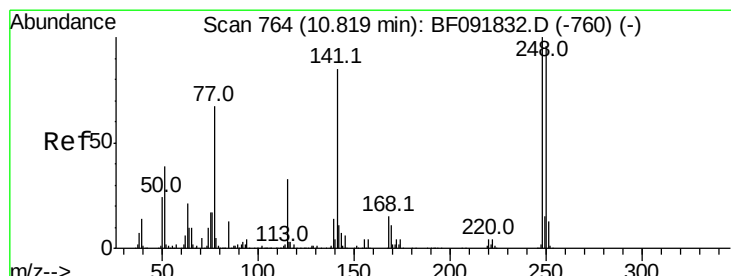
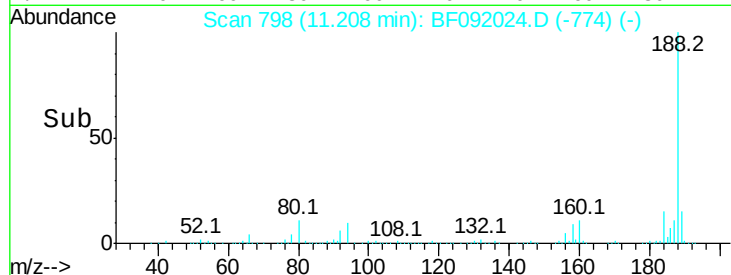
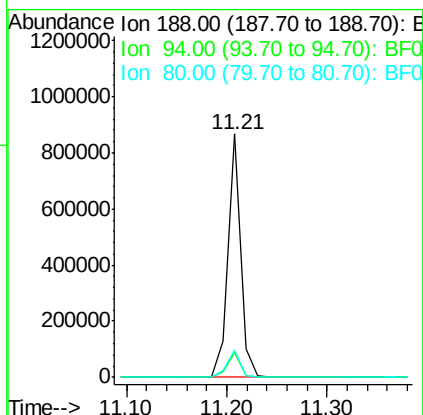
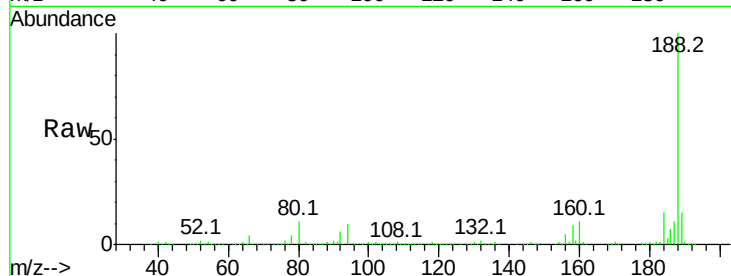




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF092024.D
 Acq: 29 Dec 2016 15:17

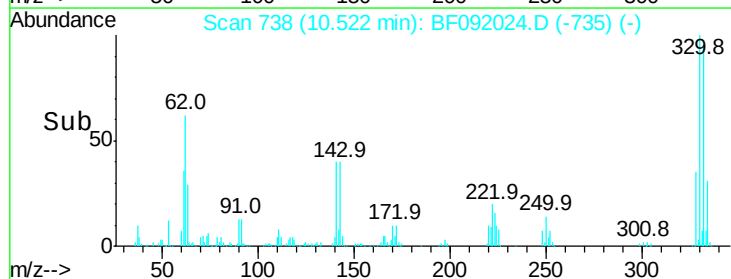
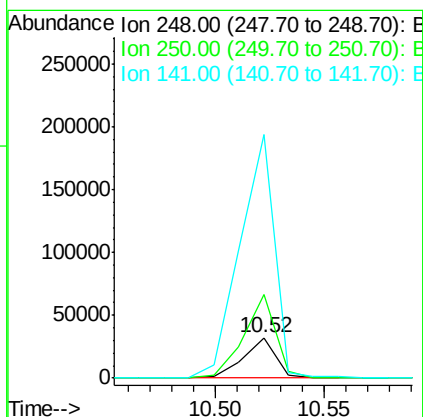
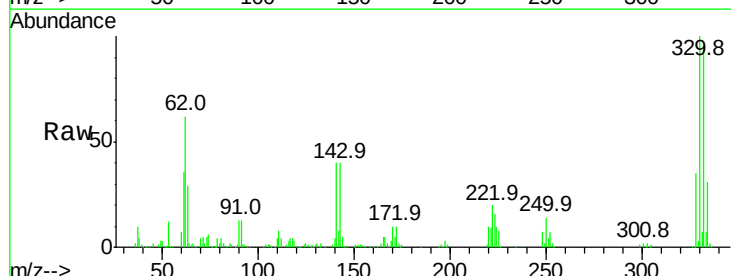
Instrument :
 BNA_F
 ClientSampleId :
 DUP-X

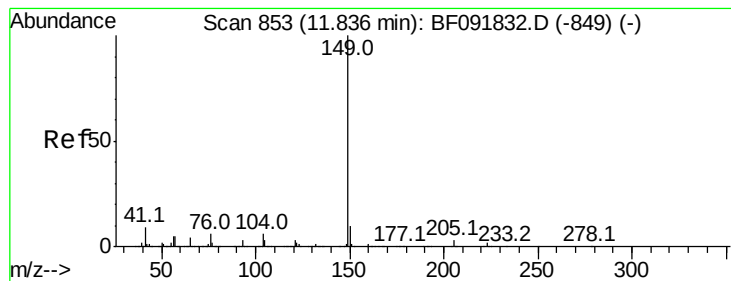
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.3	10.0	15.0
80	11.0	11.2	16.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.22 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.26 min
 Lab File: BF092024.D
 Acq: 29 Dec 2016 15:17

Tgt Ion	Ratio	Lower	Upper
248	100		
250	205.0	76.9	115.3#
141	598.3	68.2	102.4#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.78 min Scan# 848

Delta R.T. -0.02 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

DUP-X

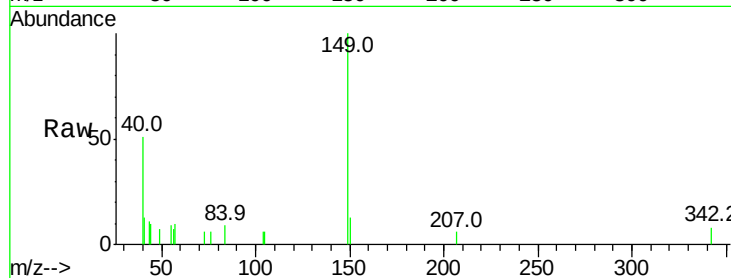
Tot Ion:149 Resp: 5176

Ion Ratio Lower Upper

149 100

150 13.4 8.1 12.1#

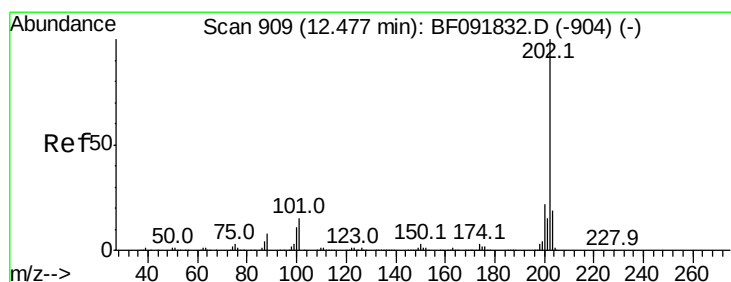
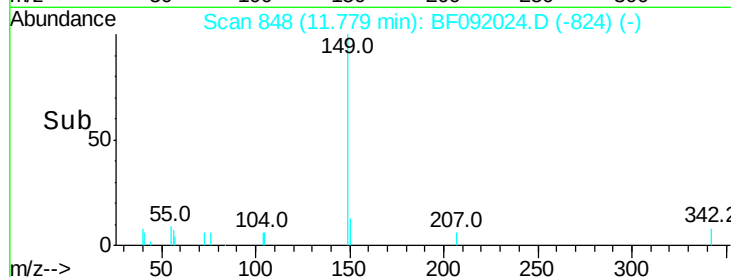
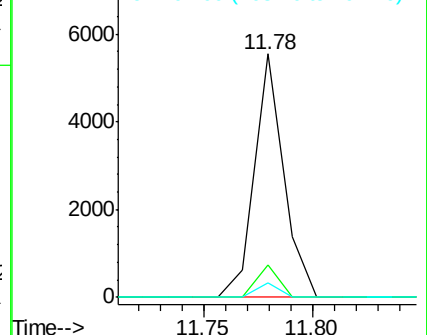
104 5.9 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.42 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

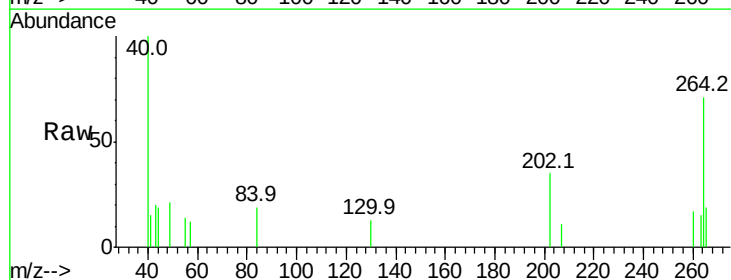
Tgt Ion:202 Resp: 1308

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

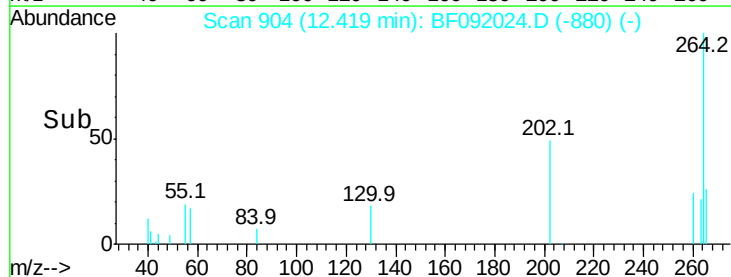
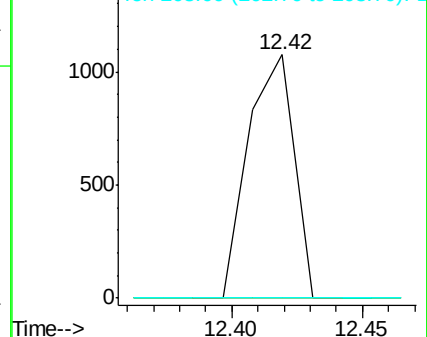
203 0.0 0.0 38.7

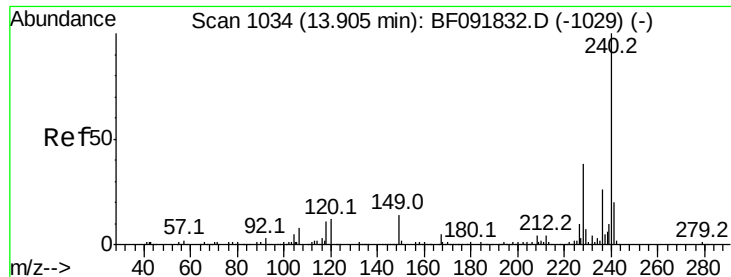


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

DUP-X

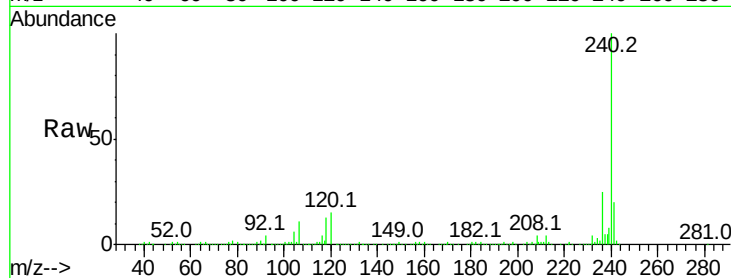
Tot Ion:240 Resp: 758919

Ion Ratio Lower Upper

240 100

120 15.0 12.9 19.3

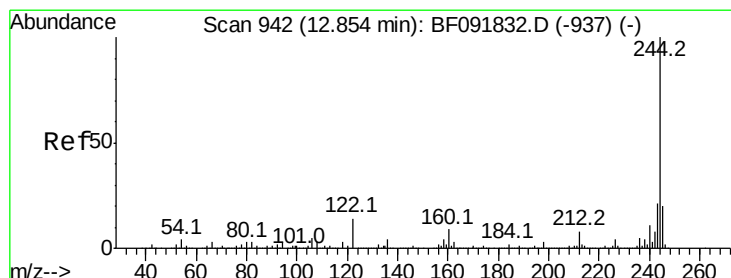
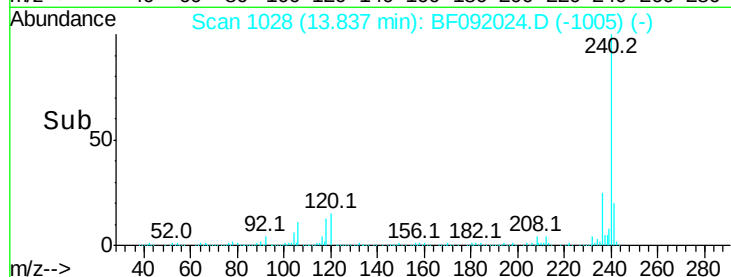
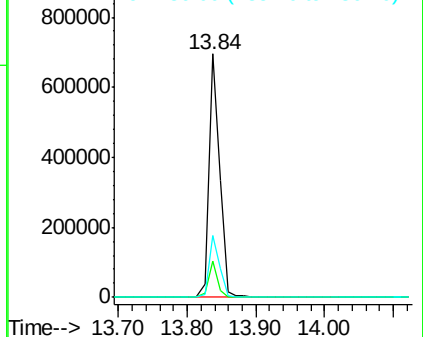
236 25.3 20.9 31.3



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: 91.99 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF092024.D

Acq: 29 Dec 2016 15:17

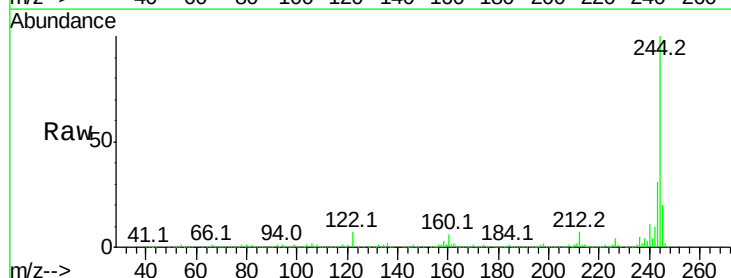
Tgt Ion:244 Resp: 2878587

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

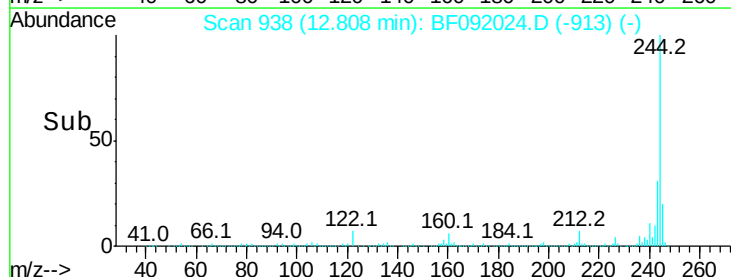
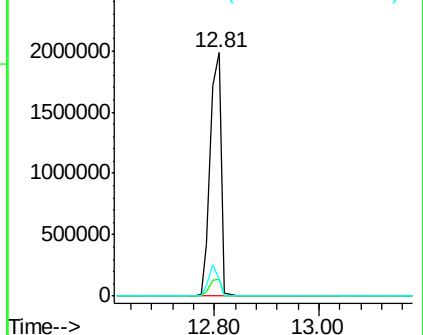
122 7.1 11.4 17.2#

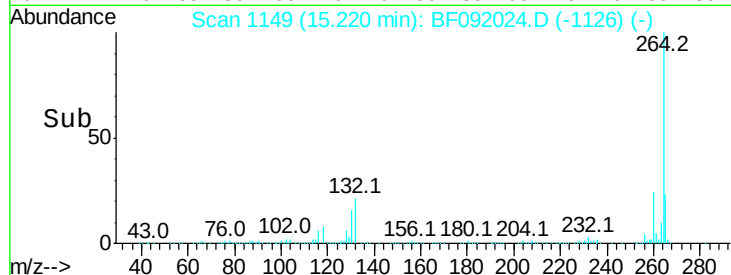
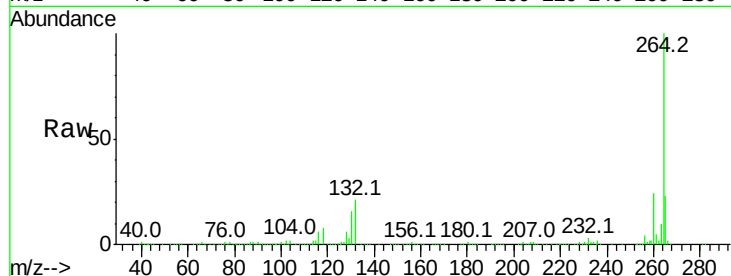
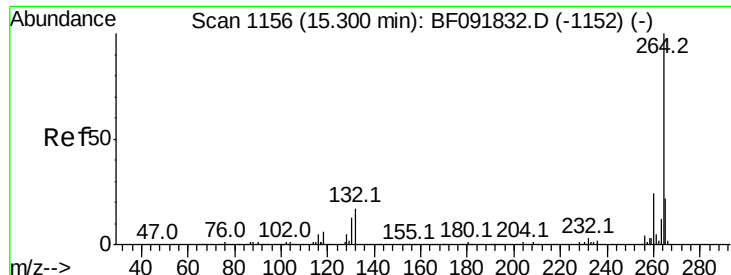


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF092024.D
Acq: 29 Dec 2016 15:17

Instrument :
BNA_F
ClientSampleId :
DUP-X

Tot Ion:	264	Resp:	584759
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.8	17.4	26.0

