

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120516\
 Data File : BF091446.D
 Acq On : 6 Dec 2016 6:02
 Operator : UM/SJ
 Sample : H5836-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP14-15-COMP2

Quant Time: Dec 06 06:51:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 06 00:16:00 2016
 Response via : Initial Calibration

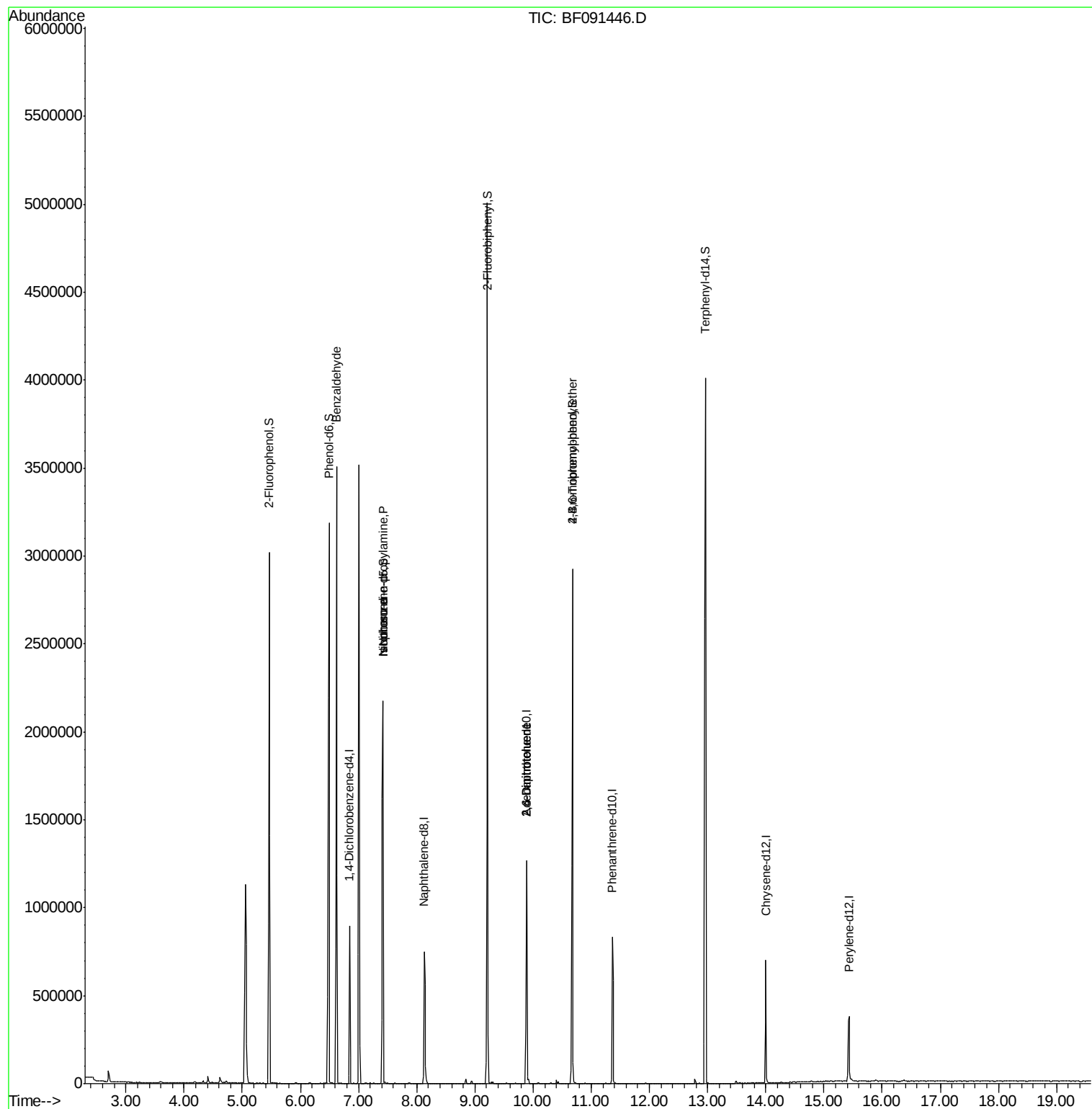
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	118708	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	454251	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	284321	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	421864	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	304091	20.00	ng	0.00
86) Perylene-d12	15.43	264	240214	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	969784	133.46	ng	0.02
7) Phenol-d6	6.49	99	1317350	147.27	ng	0.01
23) Nitrobenzene-d5	7.42	82	926265	114.27	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	377360	140.19	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1573875	100.23	ng	0.00
78) Terphenyl-d14	12.96	244	1684208	120.38	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	24595	4.28	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.42	70	126630	22.47	ng	# 65
25) Isophorone	7.42	82	847592	59.02	ng	# 67
50) 2,6-Dinitrotoluene	9.89	165	37067	9.63	ng	# 16
56) 2,4-Dinitrotoluene	9.89	165	37069	7.43	ng	# 33
66) 4-Bromophenyl-phenylether	10.68	248	25462	5.62	ng	# 1

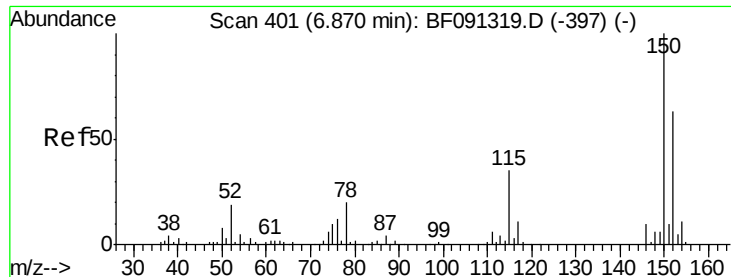
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 06 06:51:50 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 06 00:16:00 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.00 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

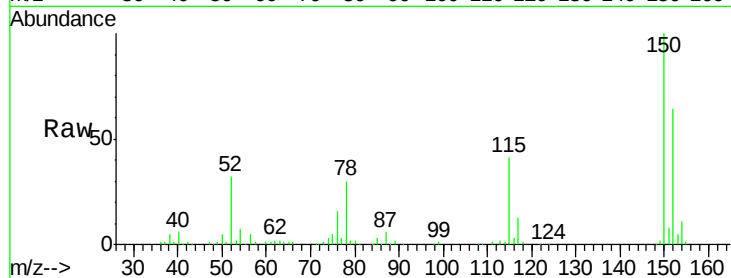
Tgt Ion:152 Resp: 118708

Ion Ratio Lower Upper

152 100

150 156.5 122.5 183.7

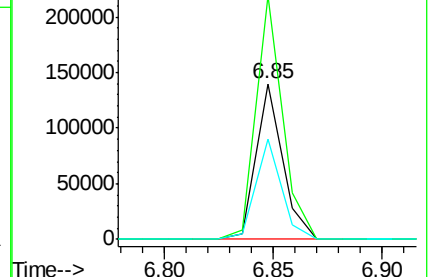
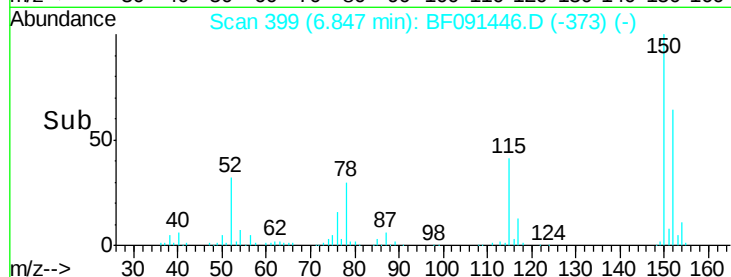
115 64.9 51.8 77.8



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: 133.46 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.02 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

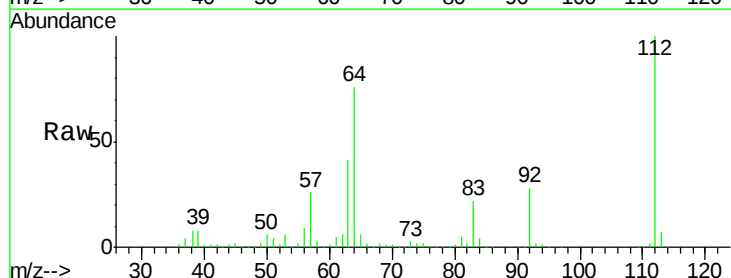
Tgt Ion:112 Resp: 969784

Ion Ratio Lower Upper

112 100

64 75.6 61.5 92.3

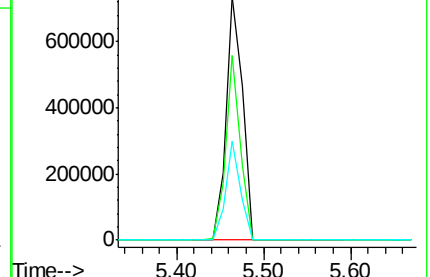
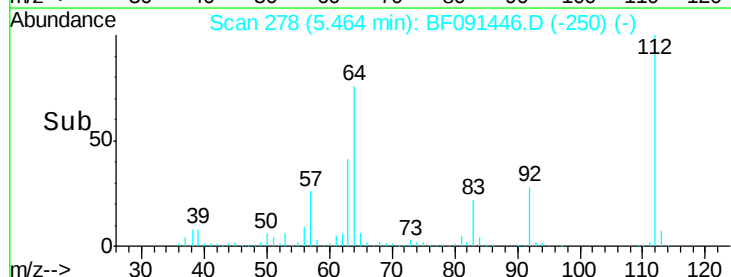
63 40.8 33.3 49.9

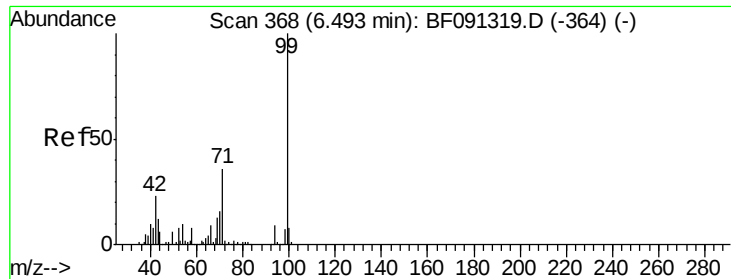


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.27 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.01 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

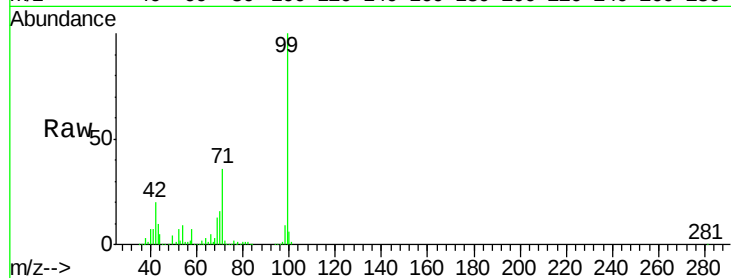
Tgt Ion: 99 Resp: 1317350

Ion Ratio Lower Upper

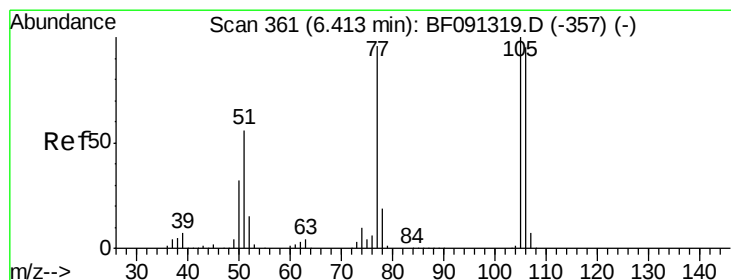
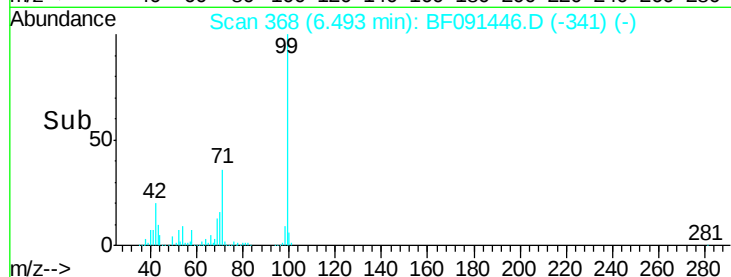
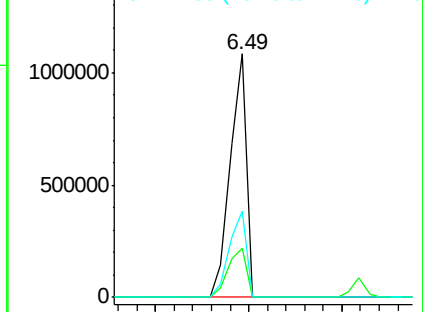
99 100

42 19.9 20.6 31.0#

71 35.6 29.9 44.9



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.28 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.23 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

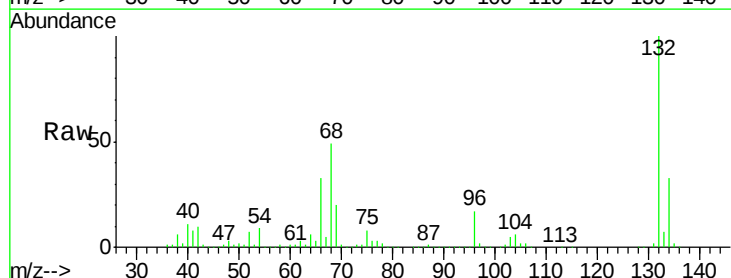
Tgt Ion: 77 Resp: 24595

Ion Ratio Lower Upper

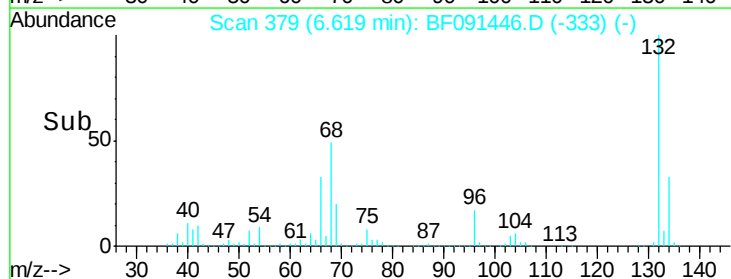
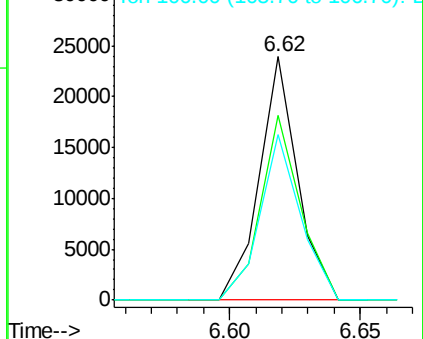
77 100

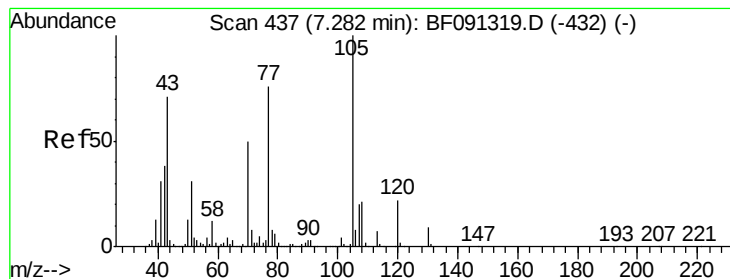
105 76.0 66.4 106.4

106 68.2 60.9 100.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 22.47 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.15 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

Tgt Ion: 70 Resp: 126630

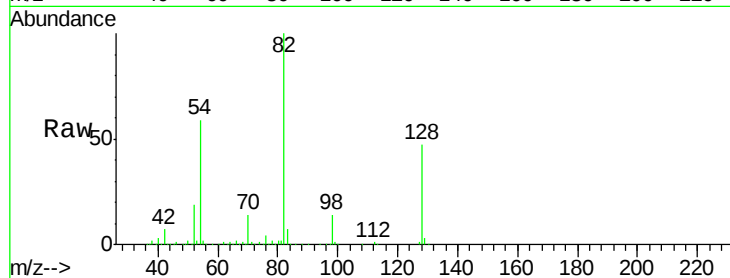
Ion Ratio Lower Upper

70 100

42 48.1 64.8 97.2#

101 0.0 6.2 9.4#

130 2.3 11.7 17.5#

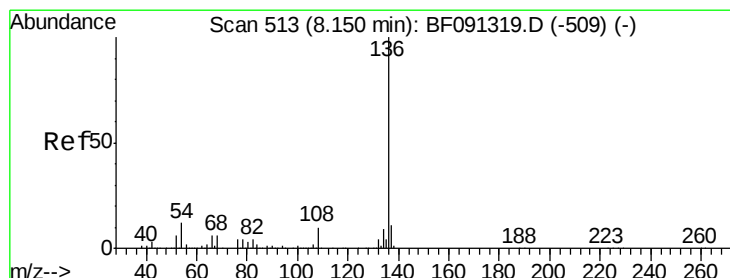
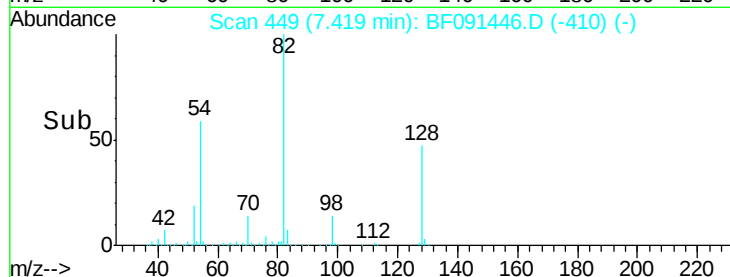
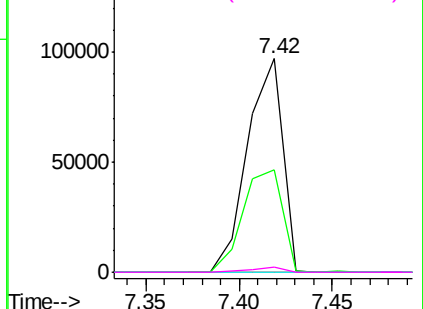


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

Tgt Ion: 136 Resp: 454251

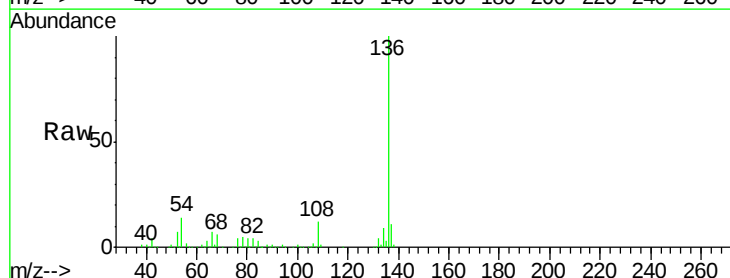
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 14.0 9.1 13.7#

68 5.6 5.9 8.9#

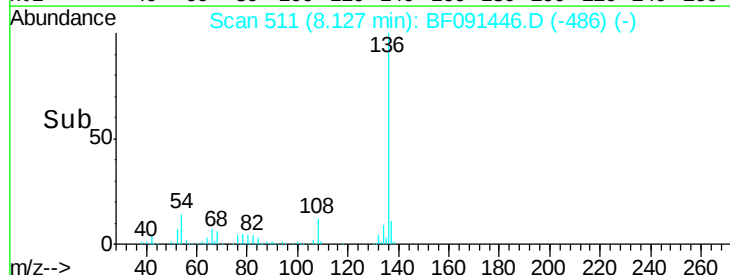
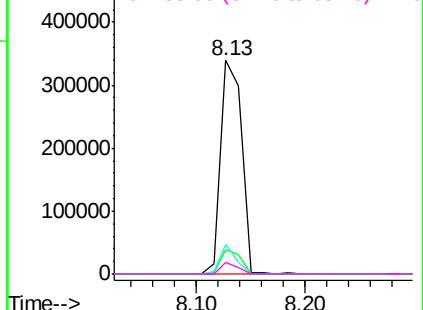


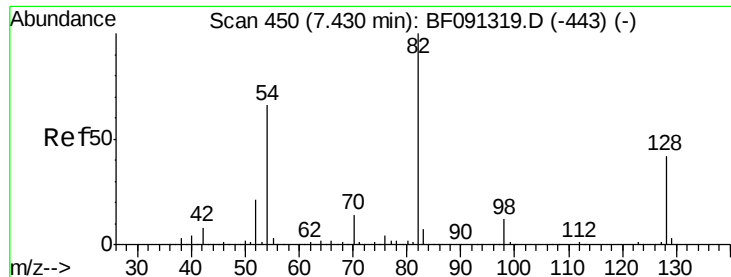
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

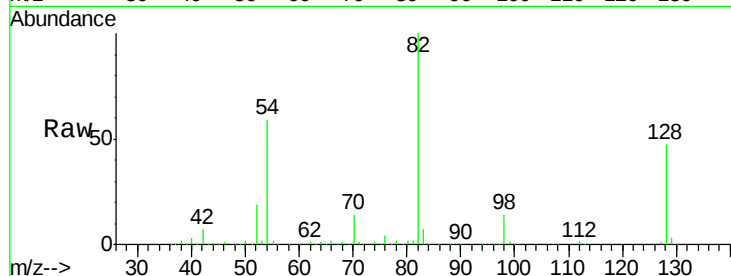




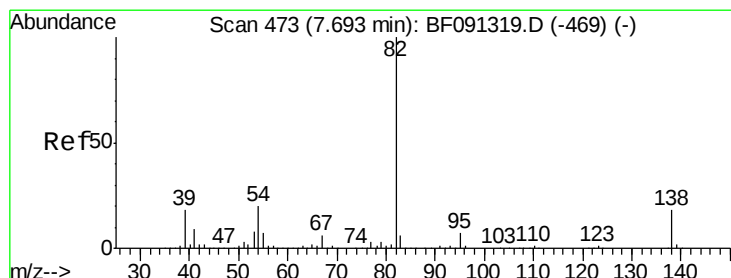
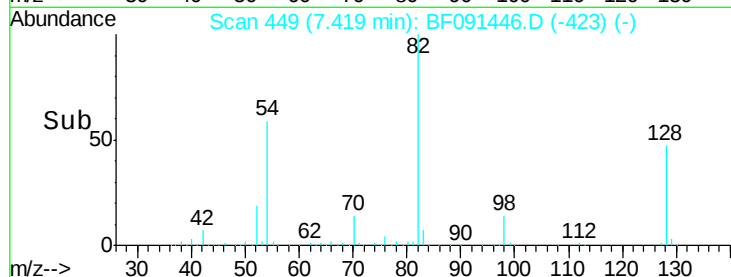
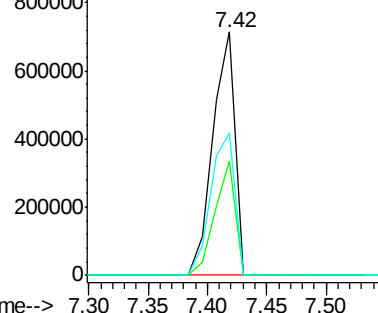
#23
Nitrobenzene-d5
Concen: 114.27 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF091446.D
Acq: 6 Dec 2016 6:02

Instrument :
BNA_F
ClientSampleId :
TP14-15-COMP2

Tgt Ion: 82 Resp: 926265
Ion Ratio Lower Upper
82 100
128 46.9 31.8 47.6
54 58.7 49.1 73.7

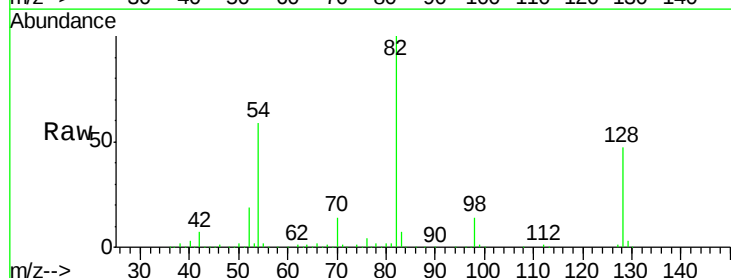


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

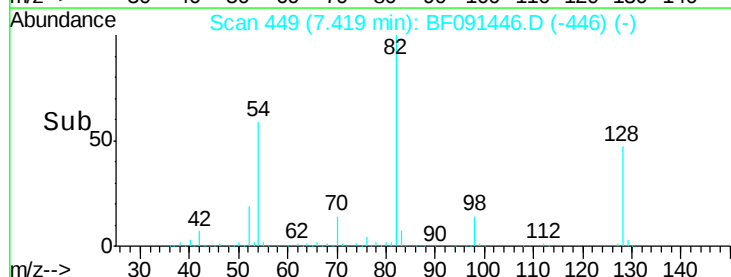
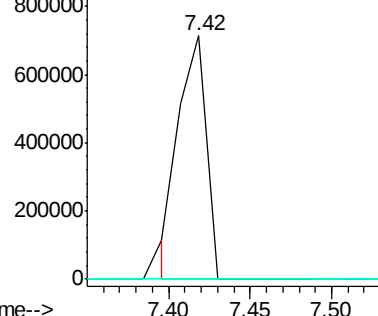


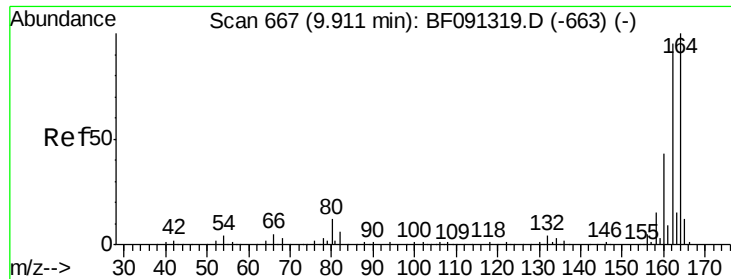
#25
Isophorone
Concen: 59.02 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.26 min
Lab File: BF091446.D
Acq: 6 Dec 2016 6:02

Tgt Ion: 82 Resp: 847592
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

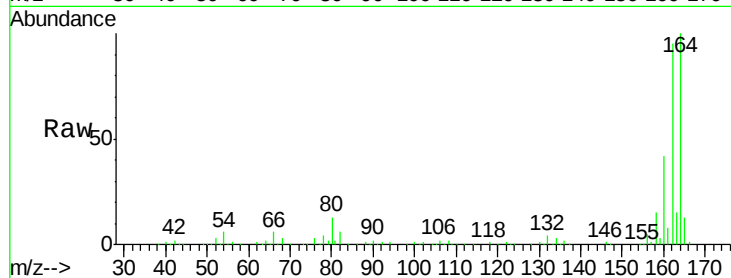
Tgt Ion:164 Resp: 284321

Ion Ratio Lower Upper

164 100

162 95.1 82.6 124.0

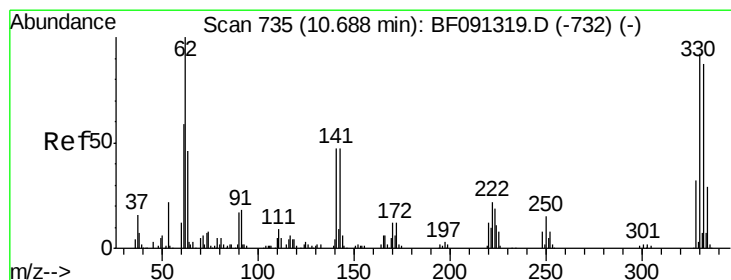
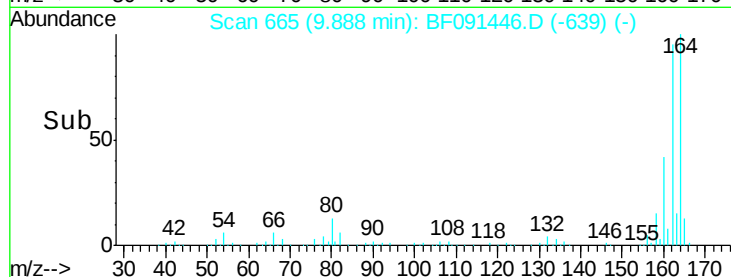
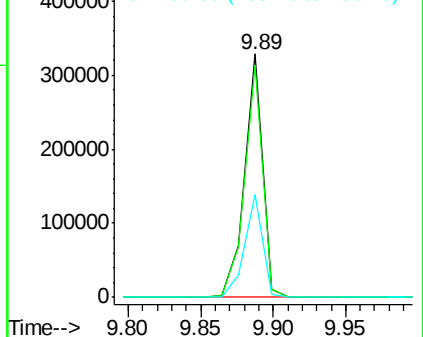
160 42.2 36.7 55.1



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: 140.19 ng

RT: 10.68 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

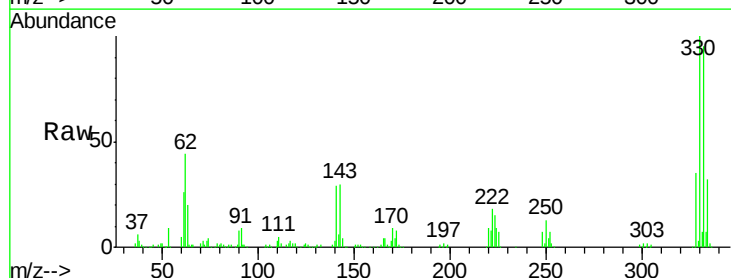
Tgt Ion:330 Resp: 377360

Ion Ratio Lower Upper

330 100

332 95.2 76.2 114.4

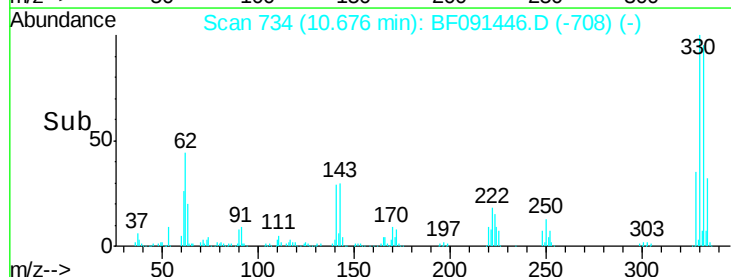
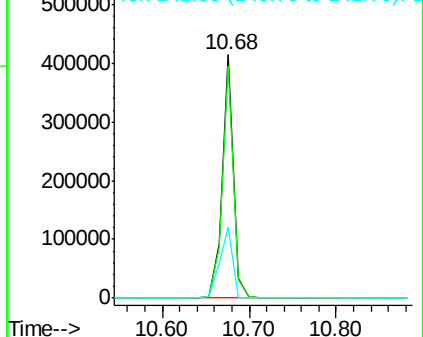
141 34.1 33.6 50.4

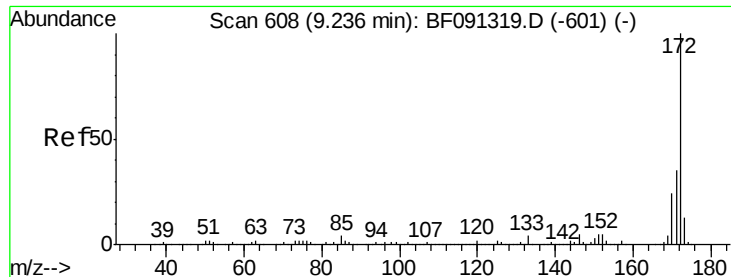


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

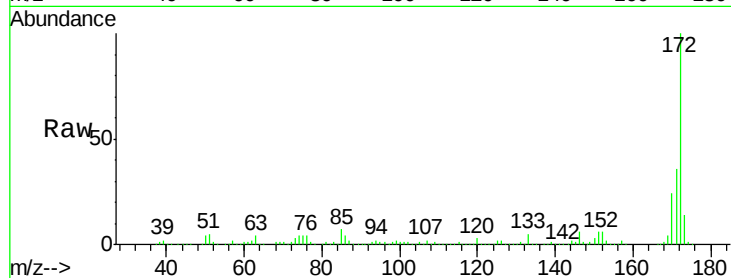




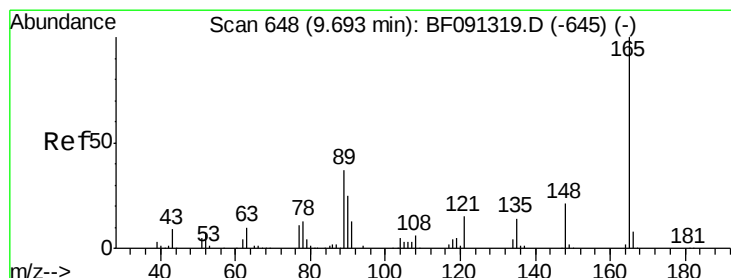
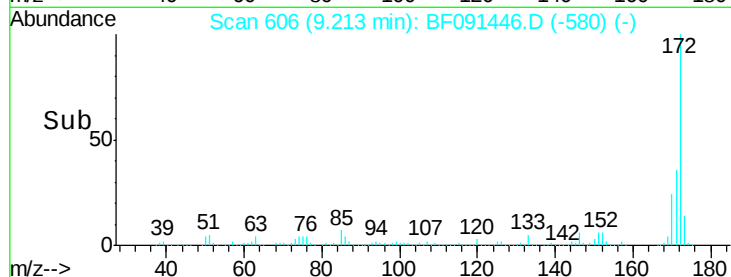
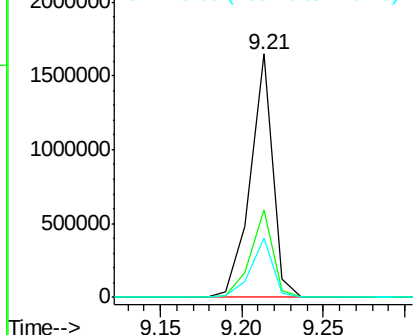
#44
 2-Fluorobiphenyl
 Concen: 100.23 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF091446.D
 Acq: 6 Dec 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 TP14-15-COMP2

Tgt Ion:172 Resp: 1573875
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.2 19.7 29.5

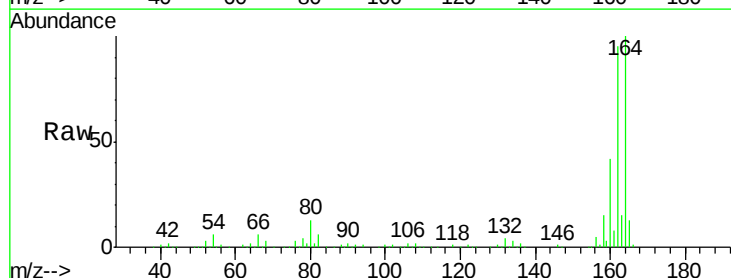


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

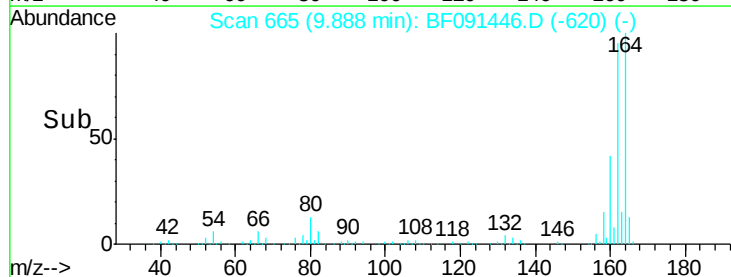
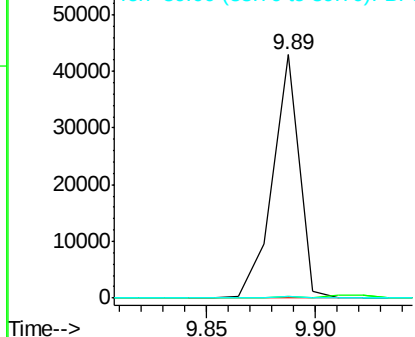


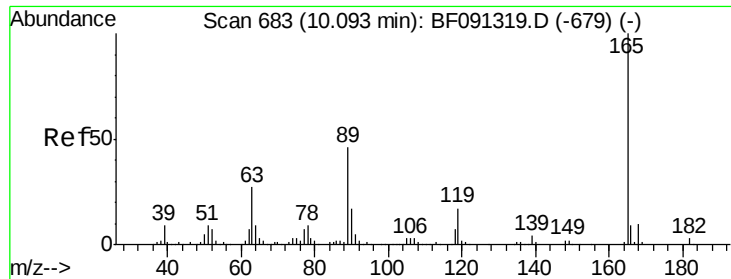
#50
 2,6-Dinitrotoluene
 Concen: 9.63 ng
 RT: 9.89 min Scan# 665
 Delta R.T. 0.22 min
 Lab File: BF091446.D
 Acq: 6 Dec 2016 6:02

Tgt Ion:165 Resp: 37067
 Ion Ratio Lower Upper
 165 100
 63 0.9 59.4 89.0#
 89 0.8 50.8 76.2#



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

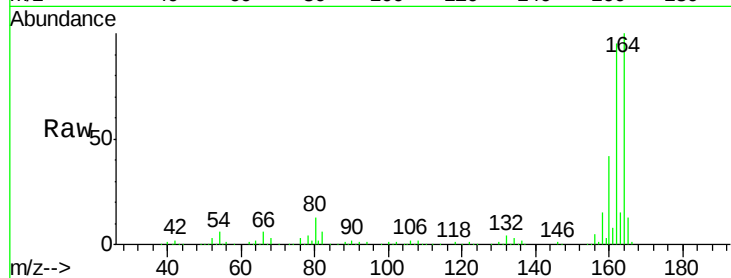




#56
 2,4-Dinitrotoluene
 Concen: 7.43 ng
 RT: 9.89 min Scan# 665
 Delta R.T. -0.19 min
 Lab File: BF091446.D
 Acq: 6 Dec 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 TP14-15-COMP2

Tgt Ion:	165	Resp:	37069
Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.0	43.4#
89	0.8	43.1	64.7#
182	0.0	1.9	2.9#

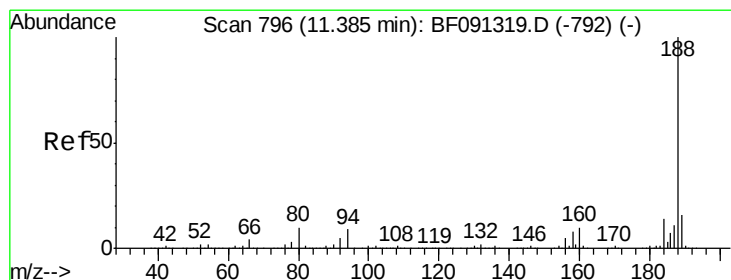
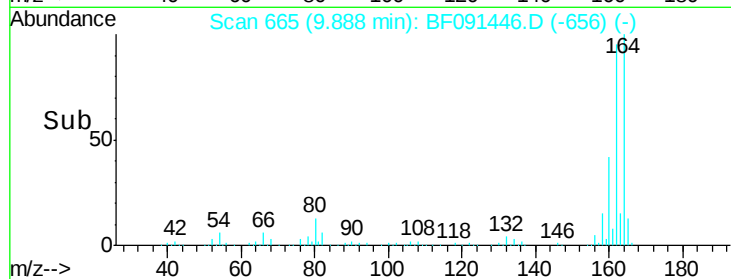
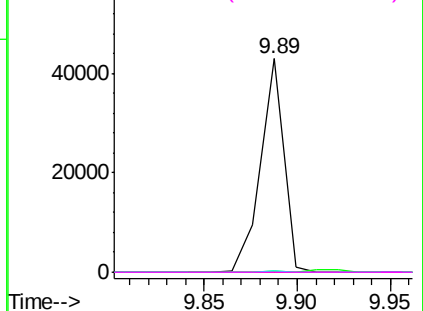


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

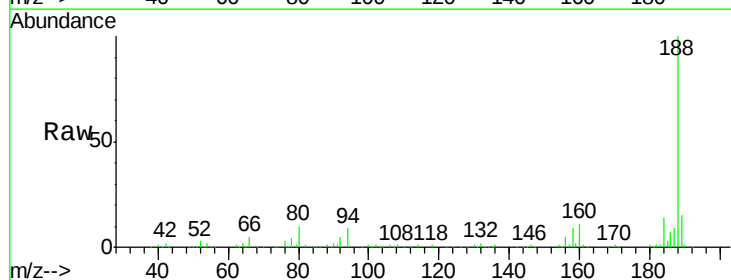
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF091446.D
 Acq: 6 Dec 2016 6:02

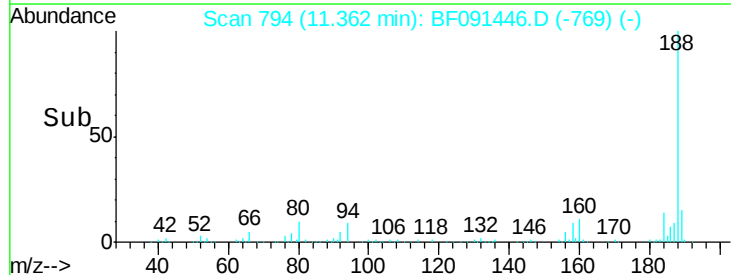
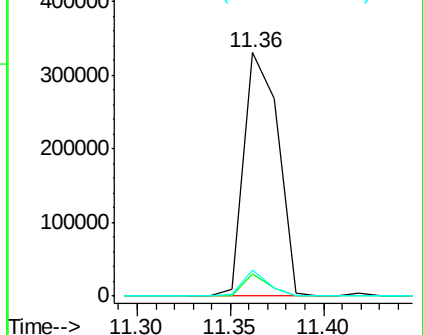
Tgt Ion:	188	Resp:	421864
Ion	Ratio	Lower	Upper
188	100		
94	9.2	9.2	13.8
80	10.4	10.5	15.7#

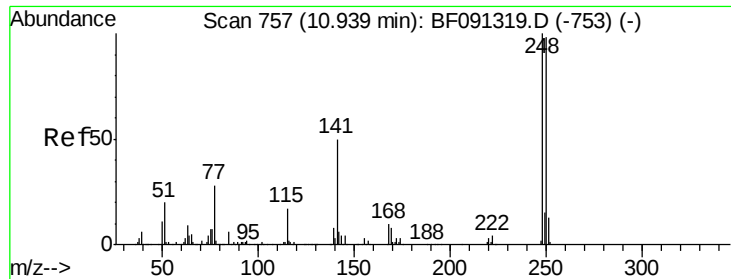


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

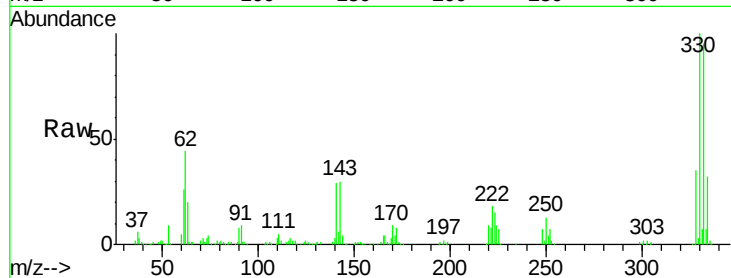




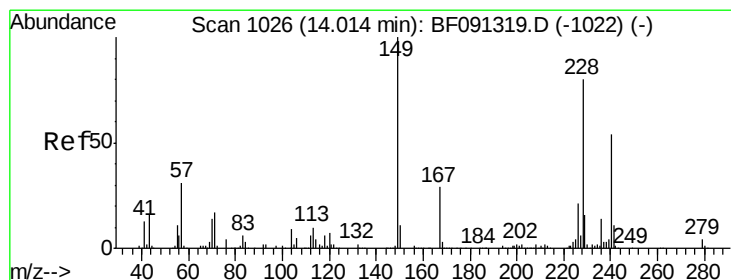
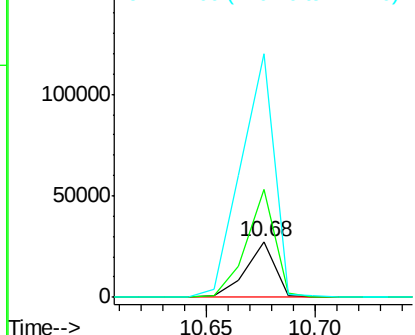
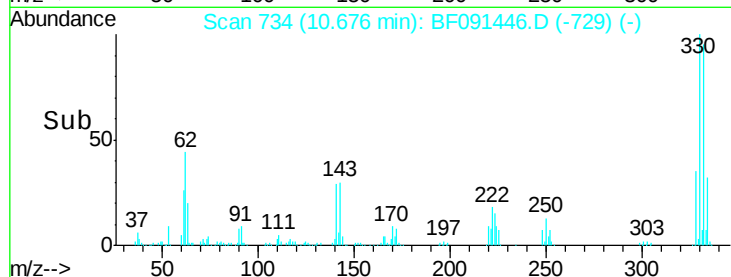
#66
 4-Bromophenyl-phenylether
 Concen: 5.62 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.24 min
 Lab File: BF091446.D
 Acq: 6 Dec 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 TP14-15-COMP2

Tgt Ion:248 Resp: 25462
 Ion Ratio Lower Upper
 248 100
 250 192.1 78.2 117.4#
 141 434.9 71.9 107.9#

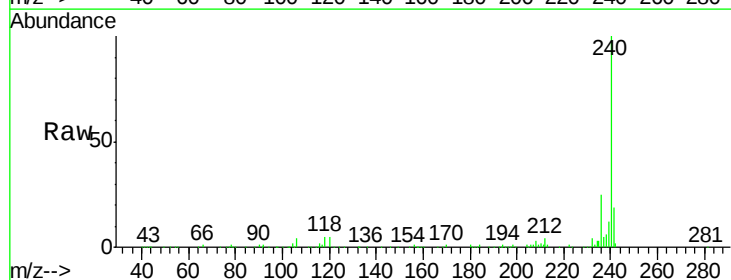


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

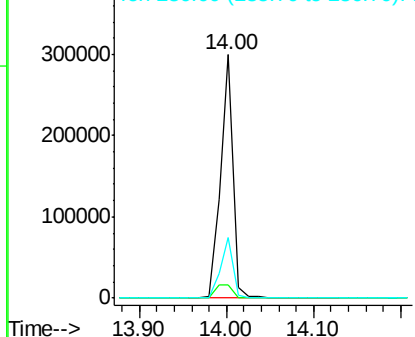
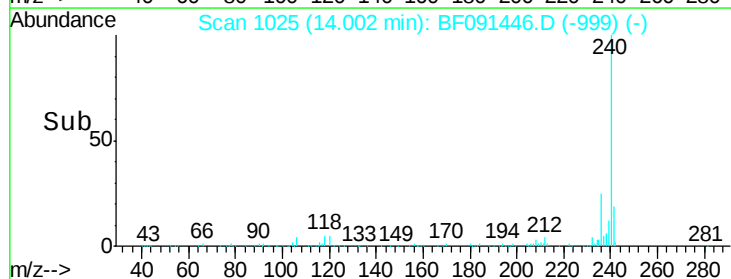


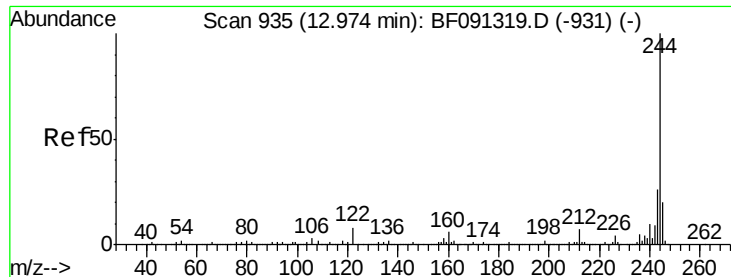
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BF091446.D
 Acq: 6 Dec 2016 6:02

Tgt Ion:240 Resp: 304091
 Ion Ratio Lower Upper
 240 100
 120 5.2 12.1 18.1#
 236 24.8 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: 120.38 ng

RT: 12.96 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

Instrument :

BNA_F

ClientSampleId :

TP14-15-COMP2

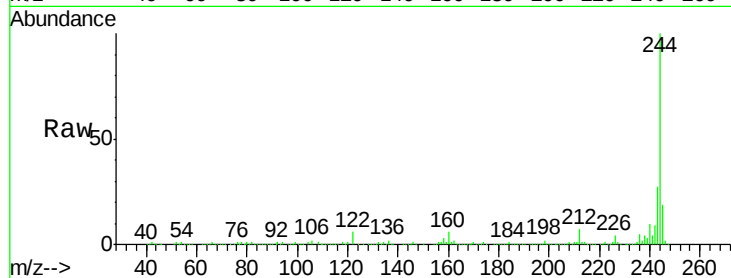
Tgt Ion:244 Resp: 1684208

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

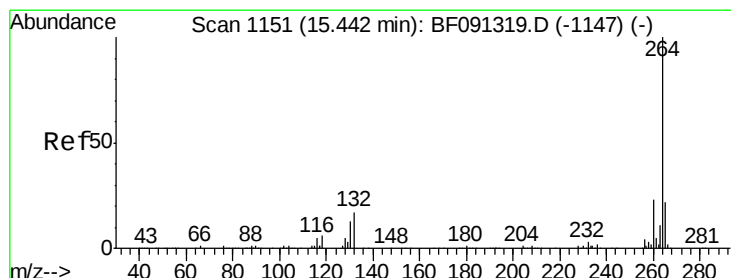
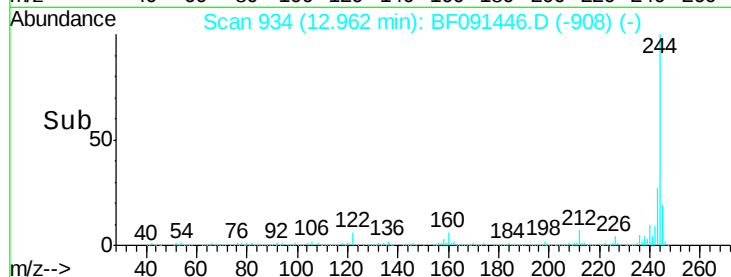
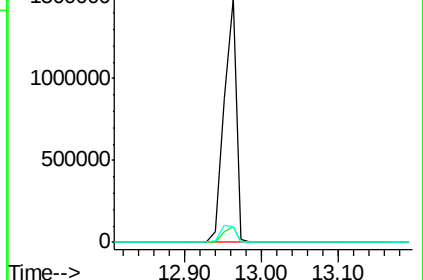
122 6.4 9.5 14.3#



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: 15.43 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF091446.D

Acq: 6 Dec 2016 6:02

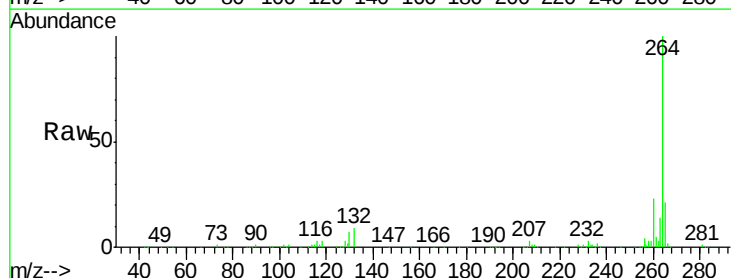
Tgt Ion:264 Resp: 240214

Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 20.6 17.0 25.6



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

