

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021417\
 Data File : BF092943.D
 Acq On : 14 Feb 2017 14:53
 Operator : SJ/MA
 Sample : PB96923TB
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 15:23:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

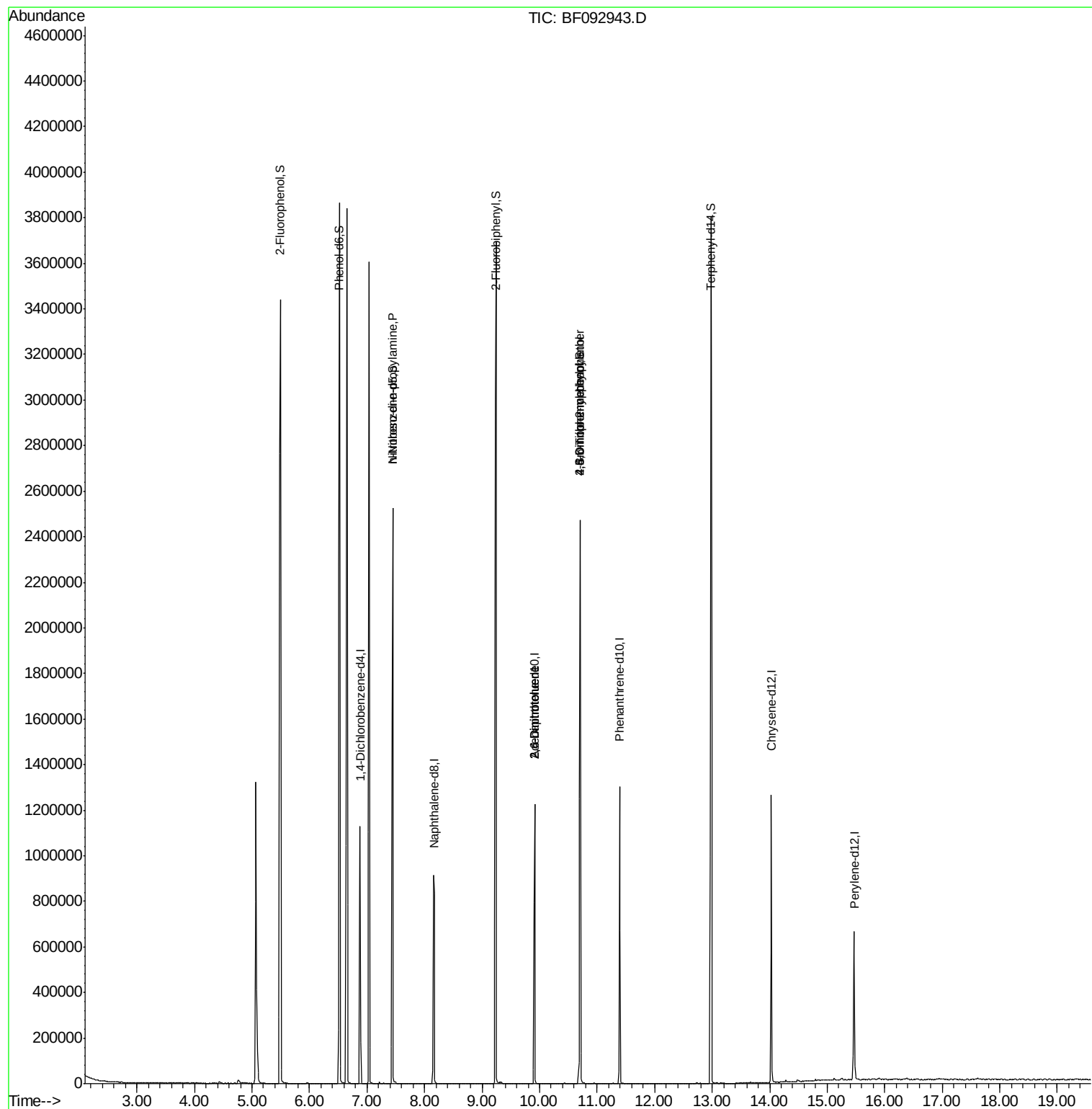
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	156668	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	629083	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	352332	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	565415	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	488196	20.00	ng	-0.02
86) Perylene-d12	15.47	264	344140	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1283813	140.59	ng	0.01
7) Phenol-d6	6.52	99	1555508	132.39	ng	-0.01
23) Nitrobenzene-d5	7.45	82	1021494	90.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	310374	121.80	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1770313	91.03	ng	0.00
78) Terphenyl-d14	12.98	244	1459656	70.25	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	135344	18.10	ng	# 77
50) 2,6-Dinitrotoluene	9.92	165	45197	8.82	ng	# 30
56) 2,4-Dinitrotoluene	9.92	165	45199	6.62	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.70	198	828	2.90	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	25631	4.34	ng	# 1

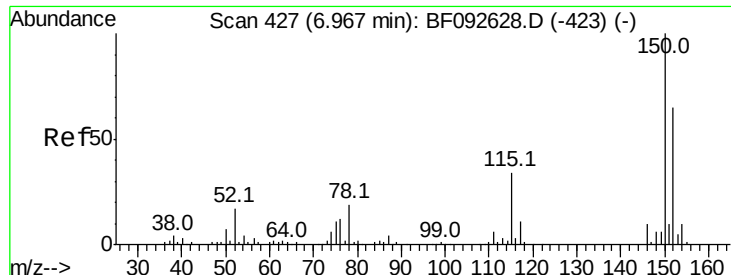
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

Instrument :

BNA_F

ClientSampleId :

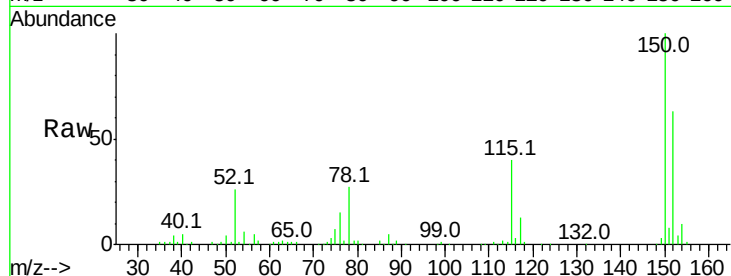
Tot Ion:152 Resp: 156668

Ion Ratio Lower Upper

152 100

150 158.4 124.9 187.3

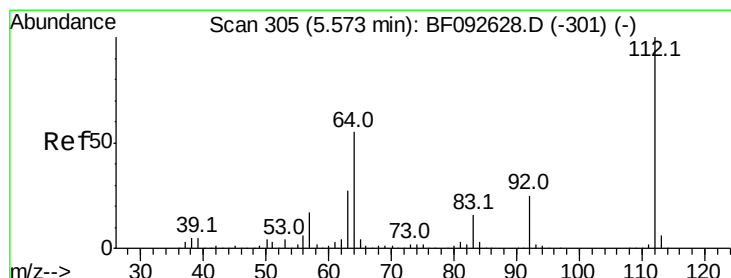
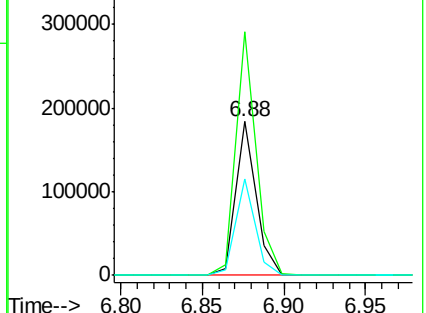
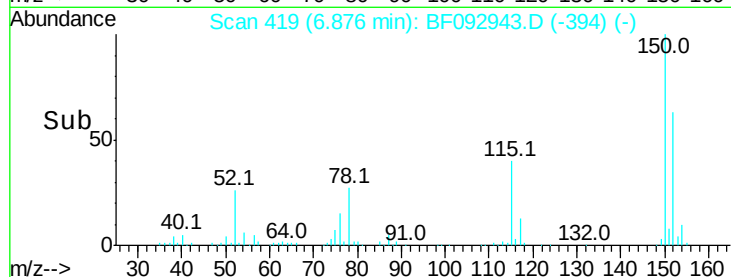
115 63.1 46.0 69.0



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: 140.59 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

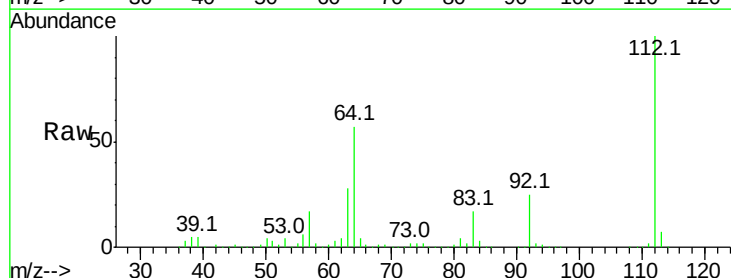
Tgt Ion:112 Resp: 1283813

Ion Ratio Lower Upper

112 100

64 57.2 46.1 69.1

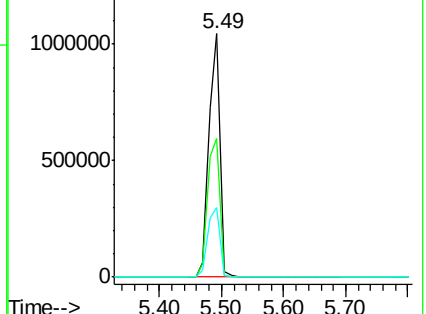
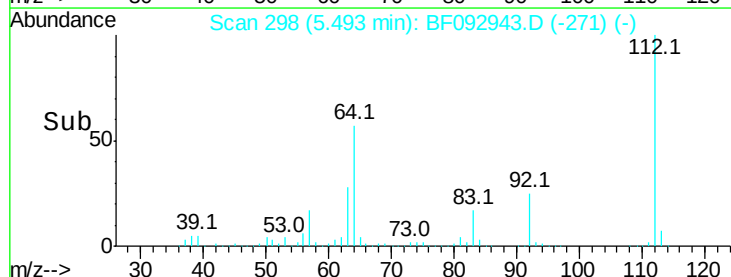
63 28.4 23.8 35.6

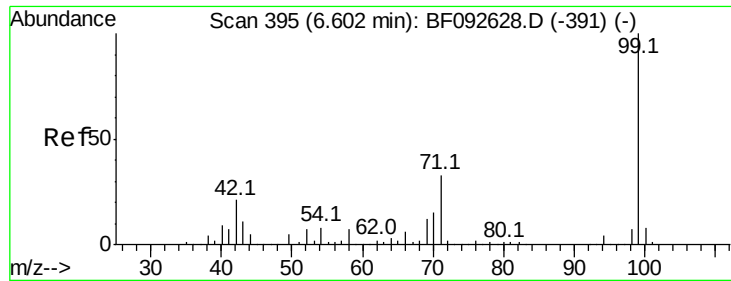


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.39 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

Instrument :

BNA_F

ClientSampleId :

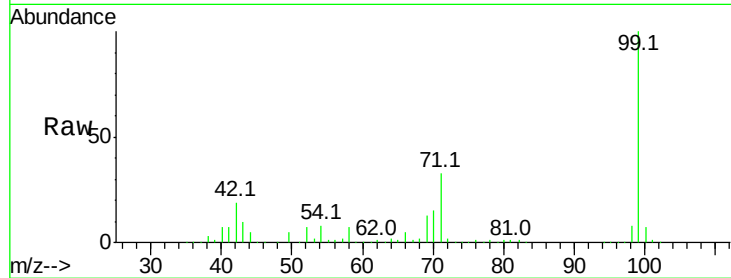
Tot Ion: 99 Resp: 155508

Ion Ratio Lower Upper

99 100

42 19.2 15.6 23.4

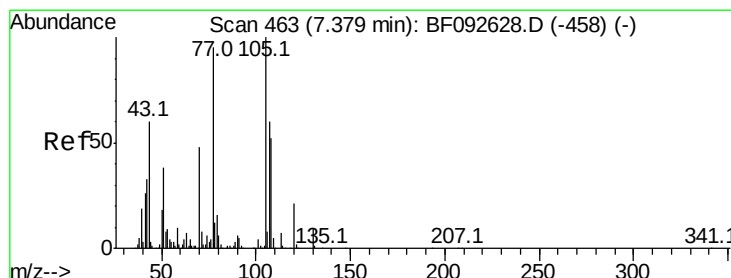
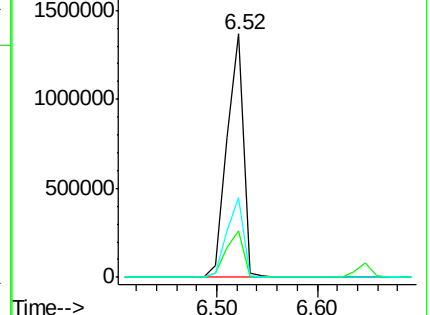
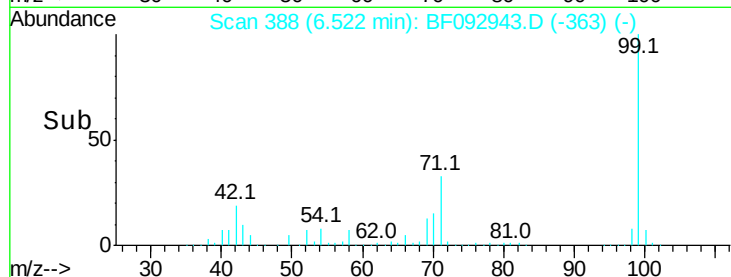
71 32.9 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.10 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

Tgt Ion: 70 Resp: 135344

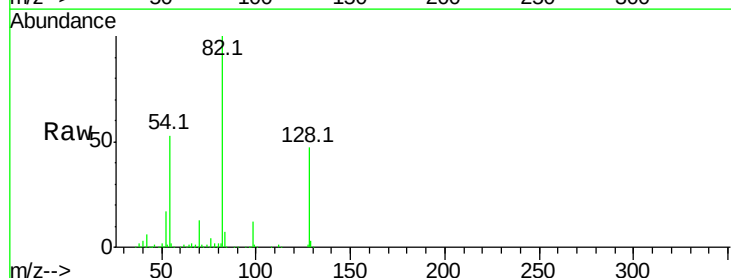
Ion Ratio Lower Upper

70 100

42 47.5 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

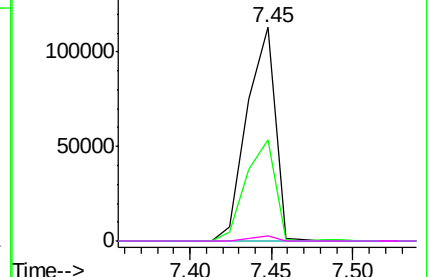
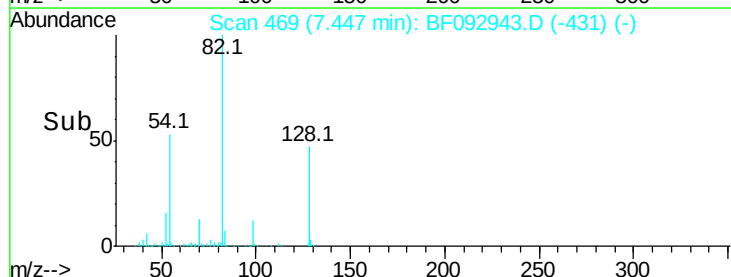


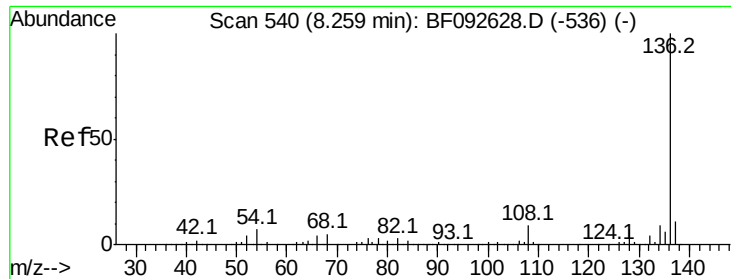
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

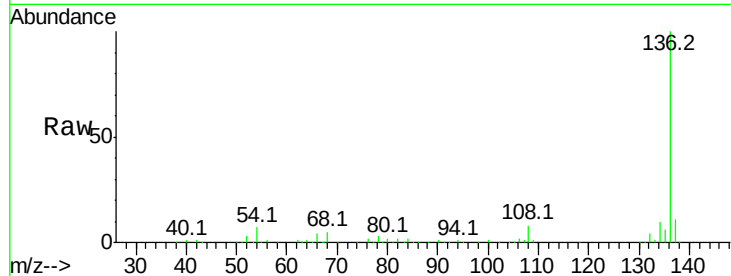




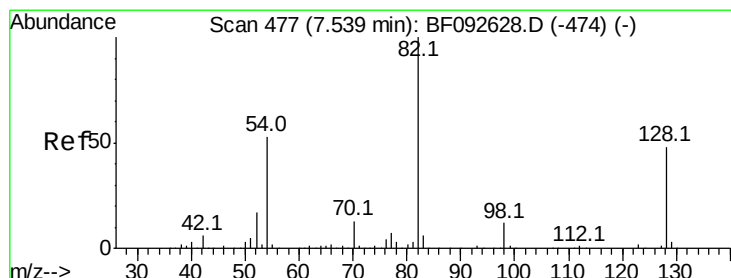
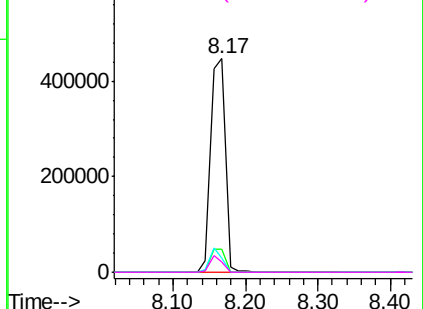
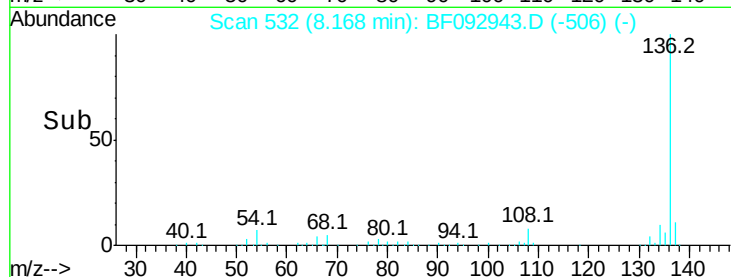
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF092943.D
Acq: 14 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	629083
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.7	4.5	6.7
68	5.0	3.6	5.4

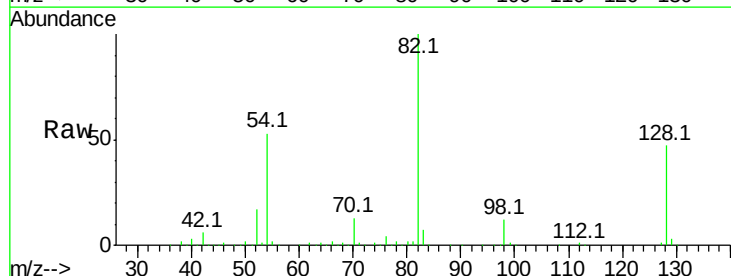


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

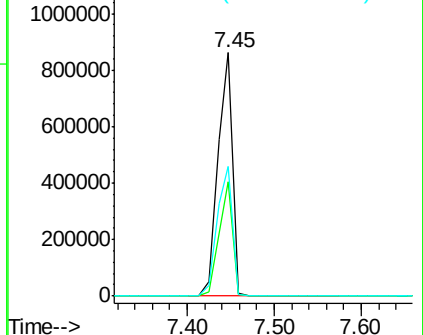
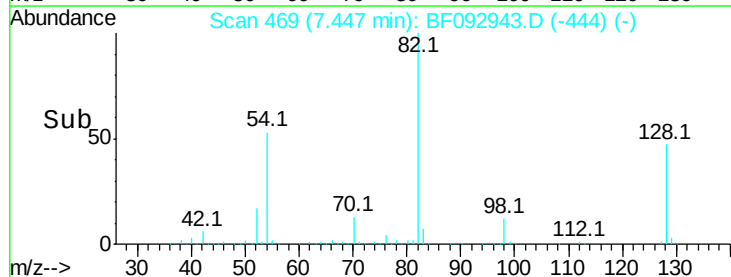


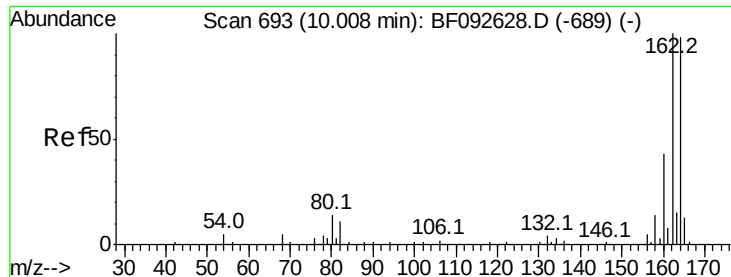
#23
Nitrobenzene-d5
Concen: 90.42 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF092943.D
Acq: 14 Feb 2017 14:53

Tgt Ion:	82	Resp:	1021494
Ion	Ratio	Lower	Upper
82	100		
128	47.2	34.6	52.0
54	53.3	39.5	59.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

Instrument :

BNA_F

ClientSampleId :

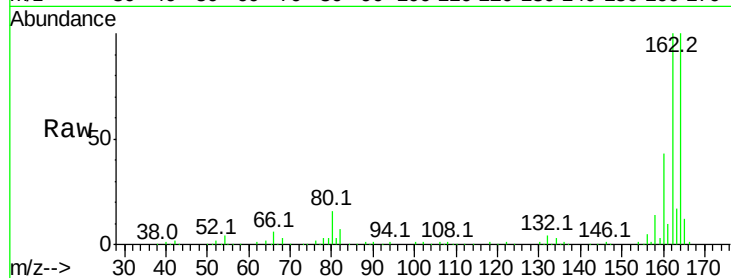
Tot Ion:164 Resp: 352332

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.2

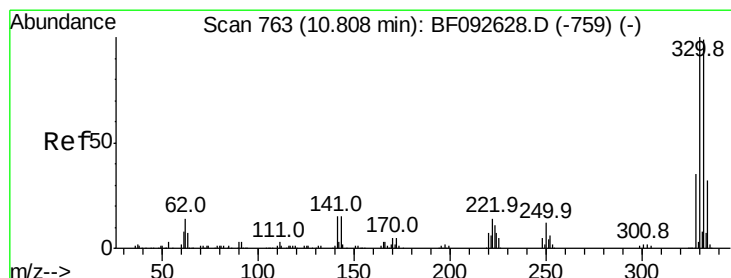
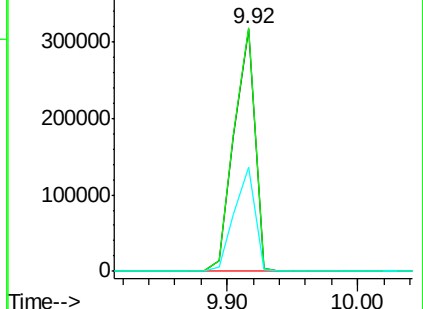
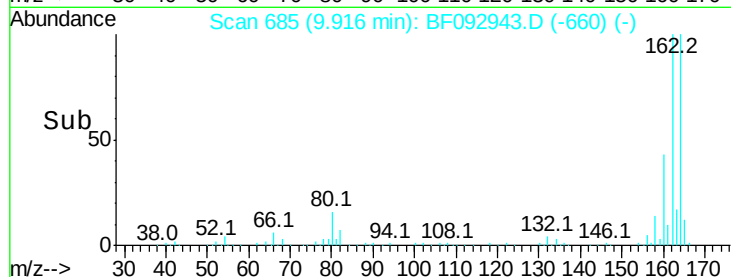
160 42.6 36.9 55.3



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: 121.80 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

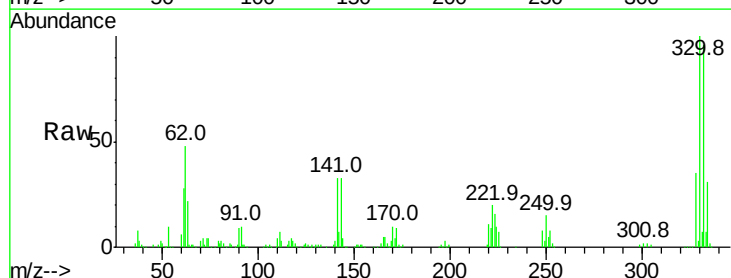
Tgt Ion:330 Resp: 310374

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

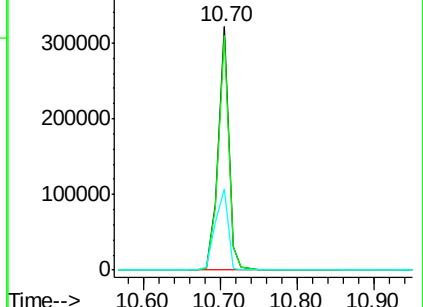
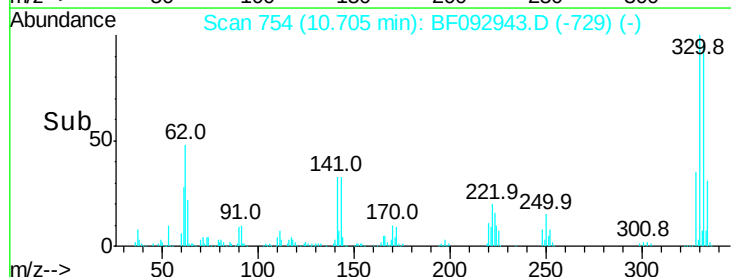
141 39.7 34.1 51.1

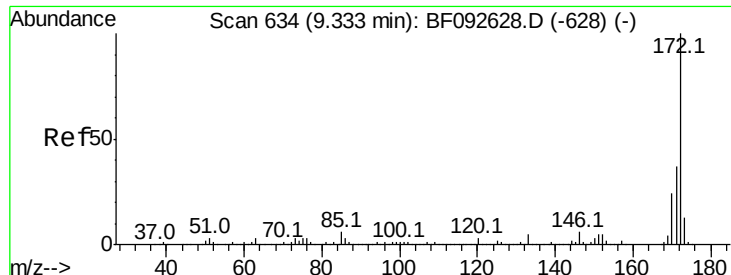


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



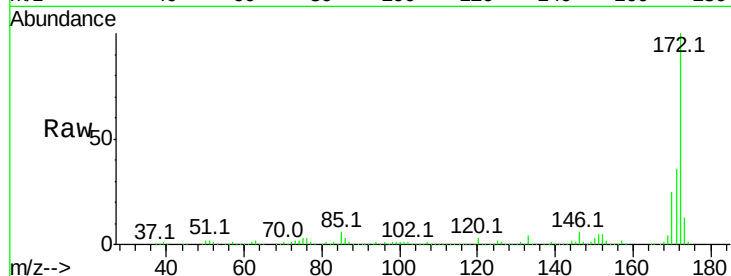


#44
 2-Fluorobiphenyl
 Concen: 91.03 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF092943.D
 Acq: 14 Feb 2017 14:53

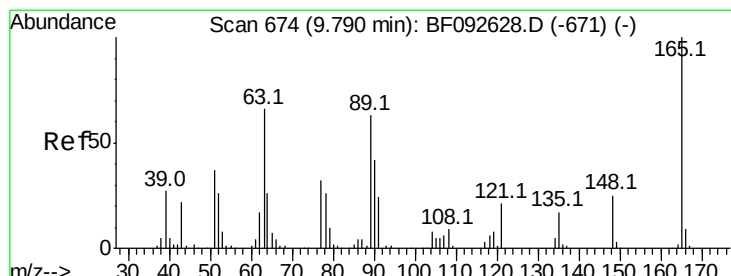
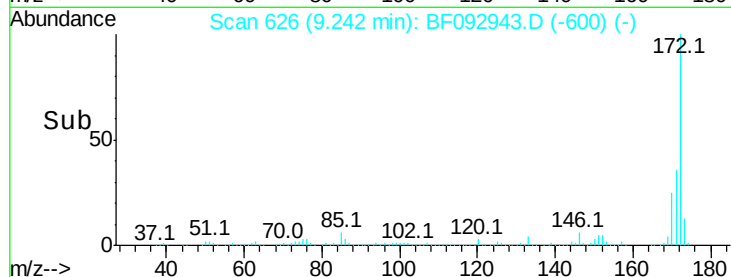
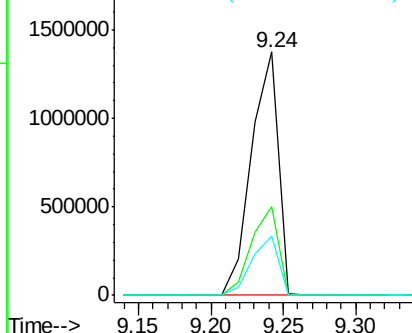
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1770313

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.5	20.2	30.4



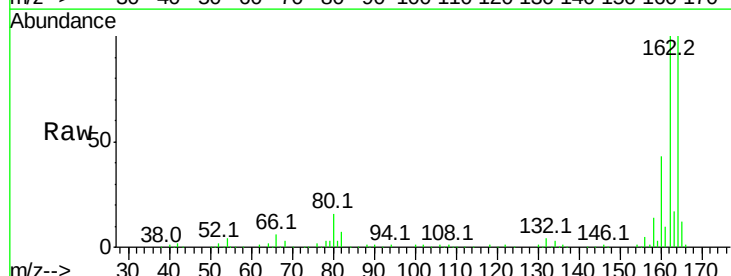
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



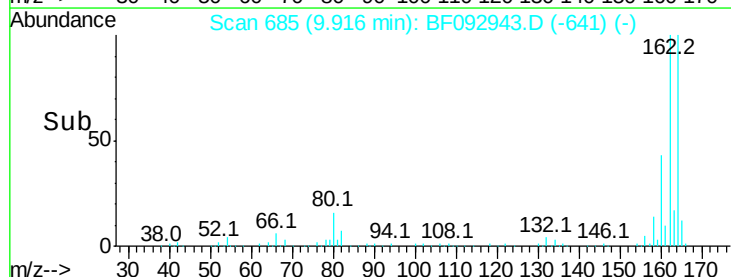
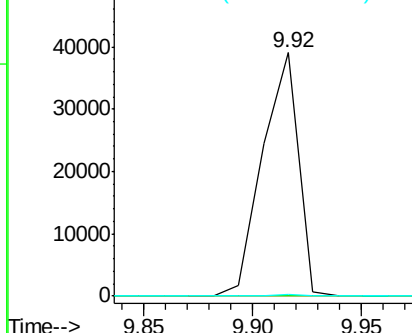
#50
 2,6-Dinitrotoluene
 Concen: 8.82 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.21 min
 Lab File: BF092943.D
 Acq: 14 Feb 2017 14:53

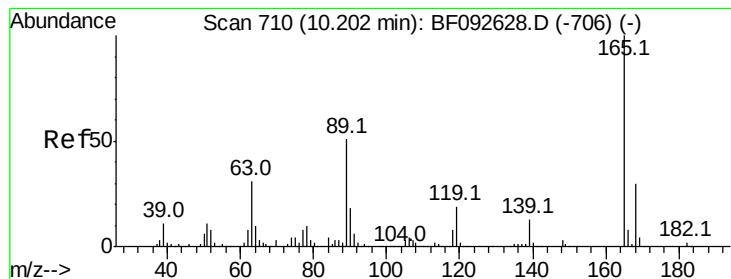
Tgt Ion:165 Resp: 45197

Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.2	54.4#
89	0.8	40.2	60.4#



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

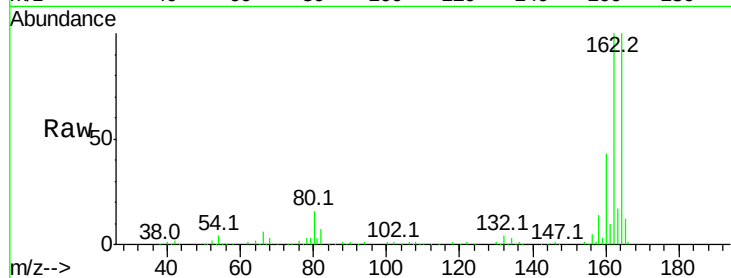




#56
 2,4-Dinitrotoluene
 Concen: 6.62 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.21 min
 Lab File: BF092943.D
 Acq: 14 Feb 2017 14:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	0.8	62.5	93.7#
182	0.0	1.8	2.8#

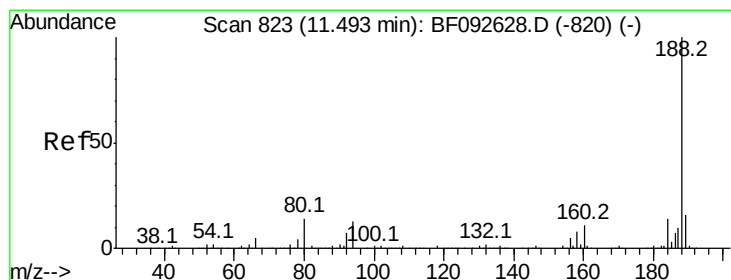
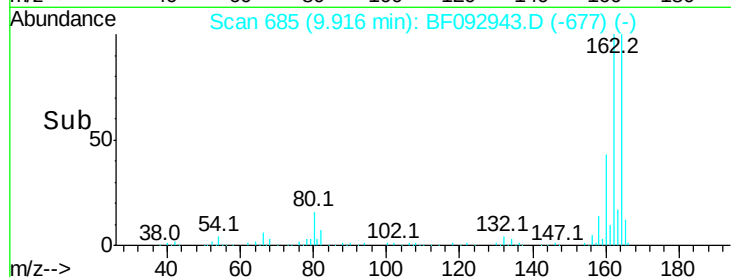
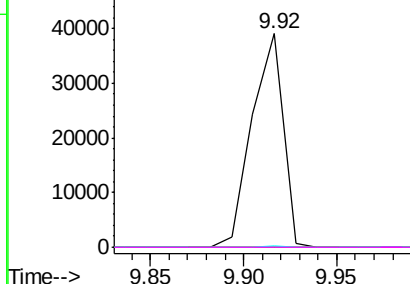


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

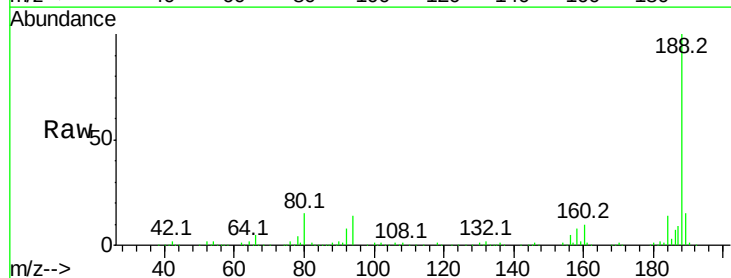
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF092943.D
 Acq: 14 Feb 2017 14:53

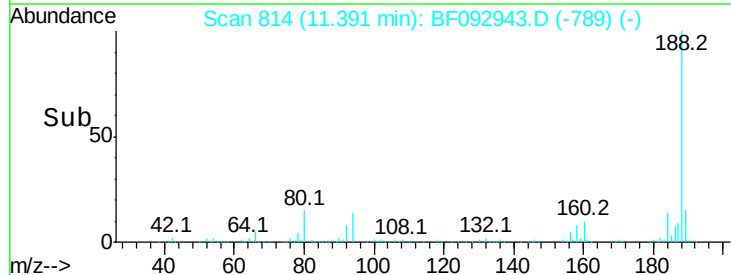
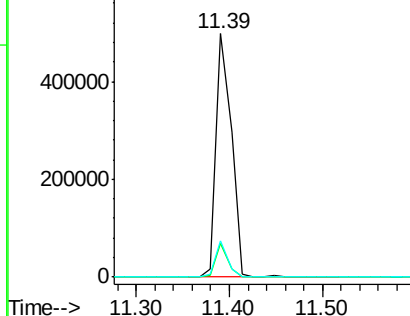
Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.0	10.0	15.0
80	14.9	11.2	16.8

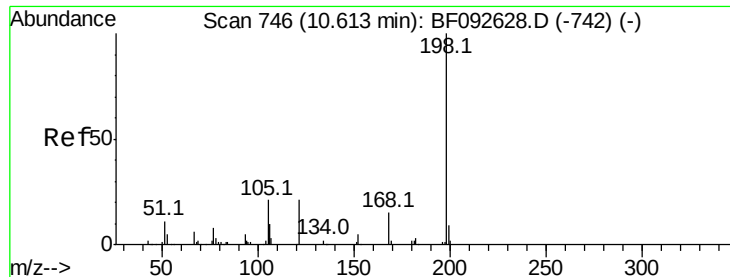


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.90 ng

RT: 10.70 min Scan# 754

Delta R.T. 0.17 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

Instrument :

BNA_F

ClientSampleId :

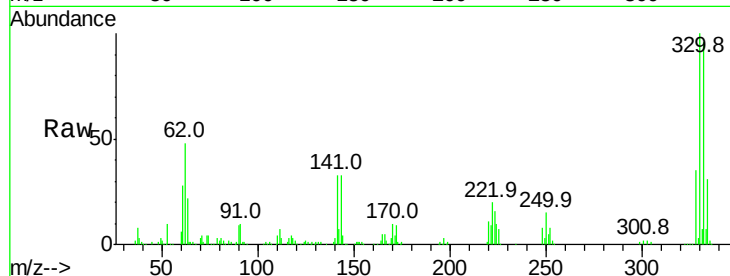
Tot Ion:198 Resp: 828

Ion Ratio Lower Upper

198 100

51 138.8 6.7 46.7#

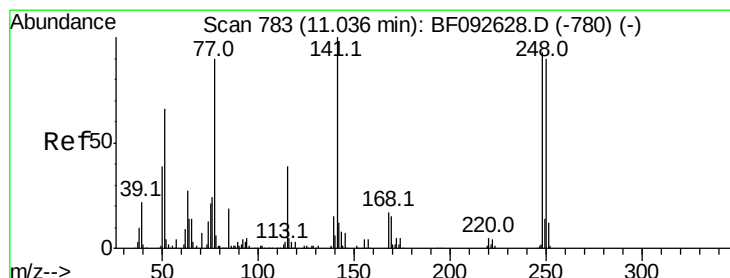
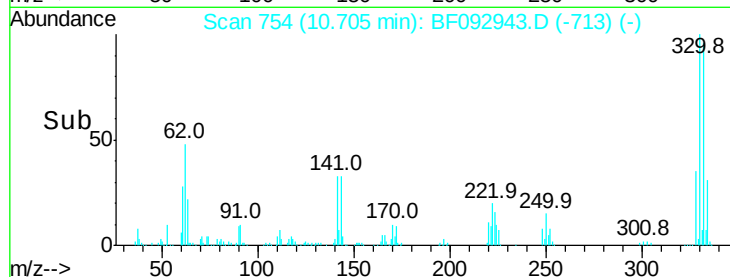
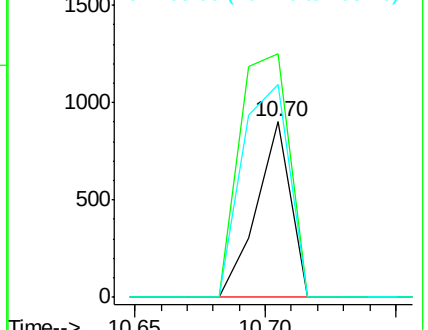
105 121.5 16.6 56.6#



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: 4.34 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

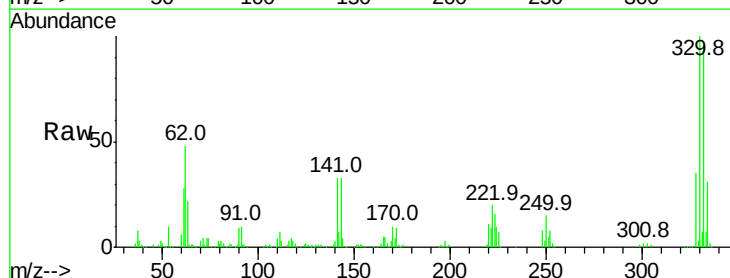
Tgt Ion:248 Resp: 25631

Ion Ratio Lower Upper

248 100

250 188.0 76.9 115.3#

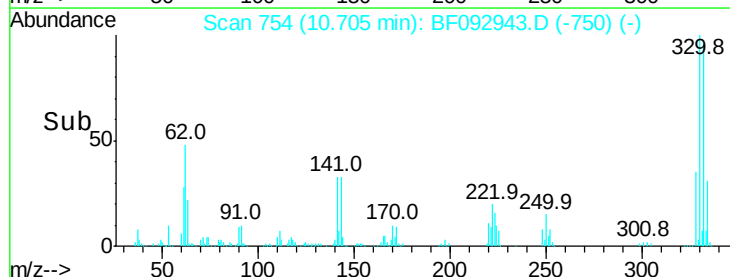
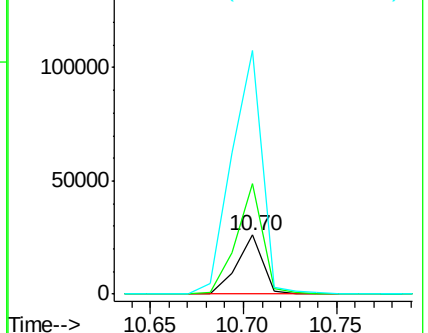
141 413.5 68.2 102.4#

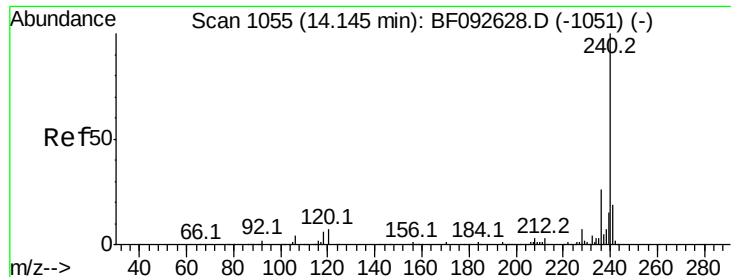


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

Instrument :

BNA_F

ClientSampleId :

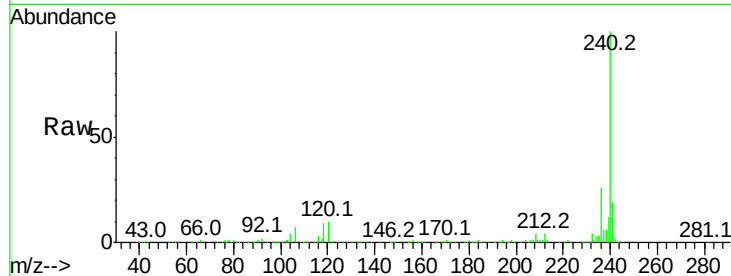
Tot Ion:240 Resp: 488196

Ion Ratio Lower Upper

240 100

120 10.0 12.9 19.3#

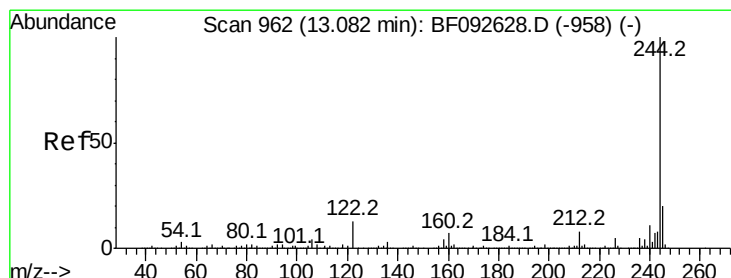
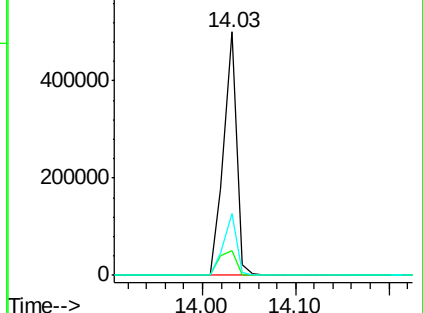
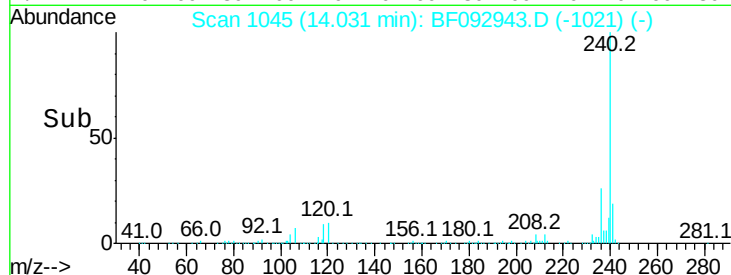
236 25.7 20.9 31.3



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: 70.25 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092943.D

Acq: 14 Feb 2017 14:53

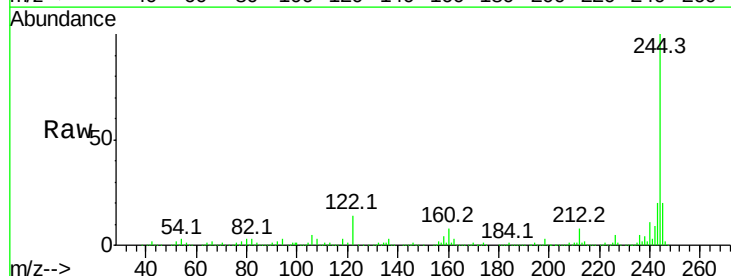
Tgt Ion:244 Resp: 1459656

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

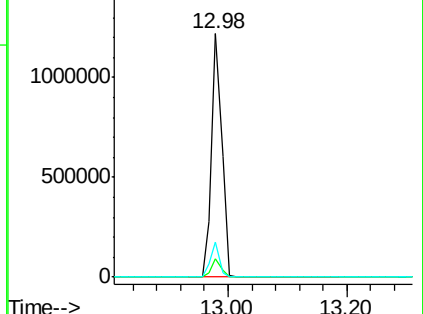
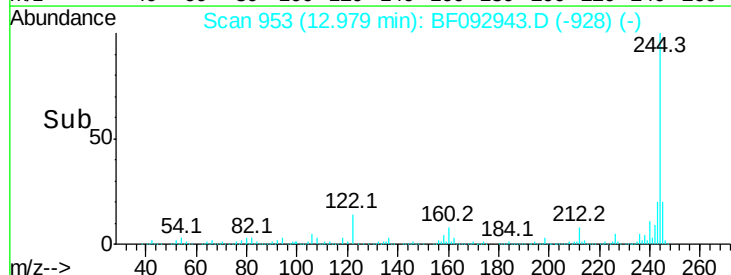
122 14.2 11.4 17.2

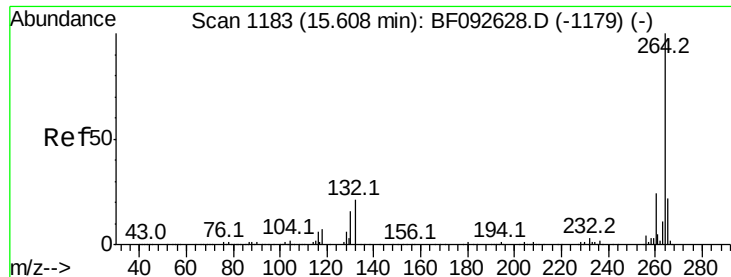


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

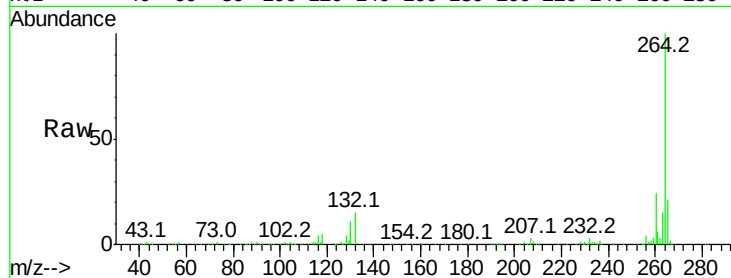




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF092943.D
Acq: 14 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	20.8	17.4	26.0



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

