

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021317\
 Data File : BF092919.D
 Acq On : 13 Feb 2017 15:43
 Operator : SJ/MA
 Sample : PB96883BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 17:49:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

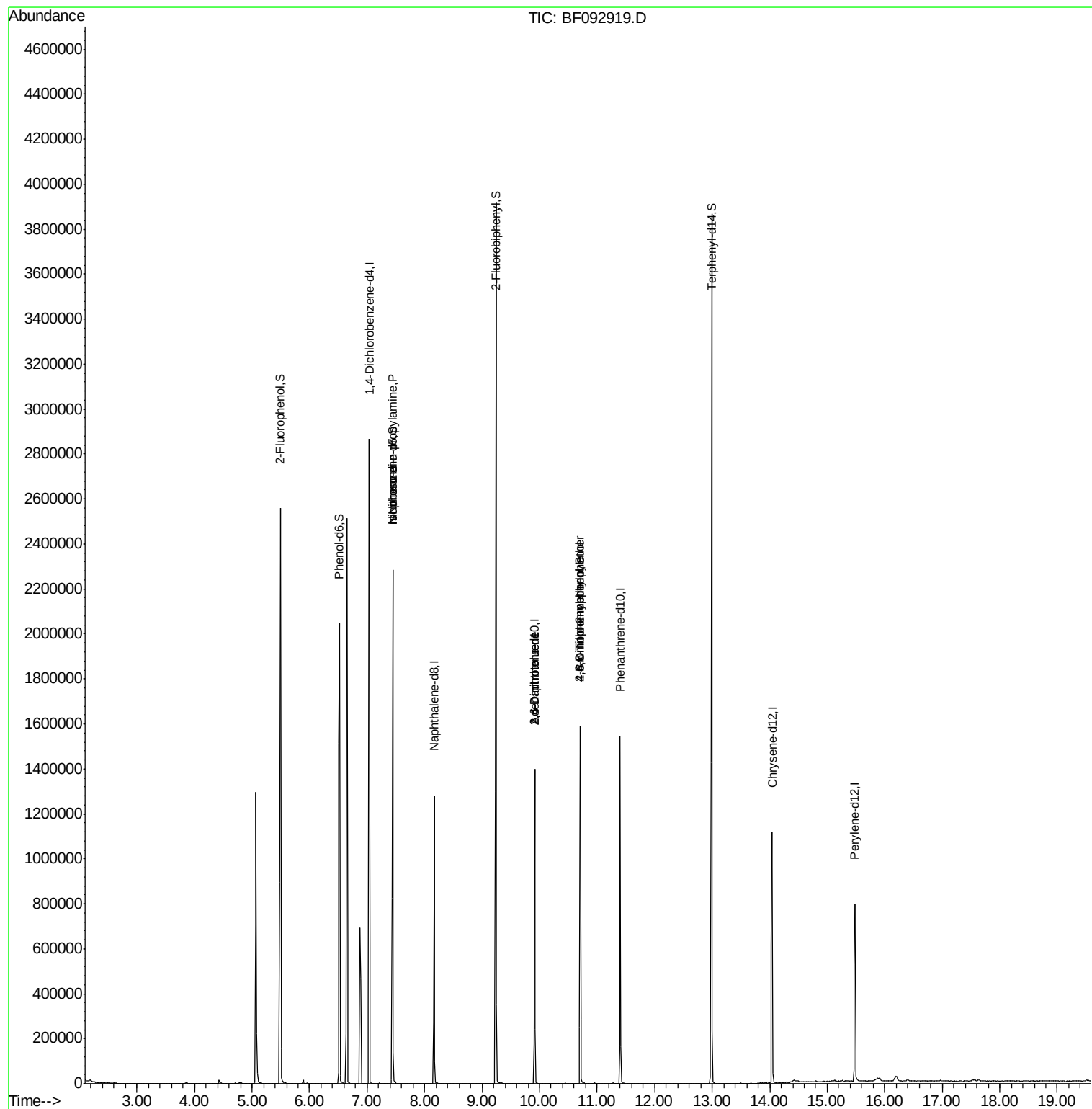
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.04	152	438487	20.00	ng	0.07
21) Naphthalene-d8	8.17	136	567694	20.00	ng	-0.09
38) Acenaphthene-d10	9.92	164	300452	20.00	ng	-0.09
63) Phenanthrene-d10	11.40	188	530540	20.00	ng	-0.09
75) Chrysene-d12	14.04	240	458389	20.00	ng	-0.10
86) Perylene-d12	15.48	264	380747	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	697627	27.30	ng	-0.08
7) Phenol-d6	6.52	99	915101	27.83	ng	-0.08
23) Nitrobenzene-d5	7.45	82	769220	75.46	ng	-0.09
41) 2,4,6-Tribromophenol	10.70	330	165943	76.36	ng	-0.10
44) 2-Fluorobiphenyl	9.24	172	1324969	79.89	ng	-0.09
78) Terphenyl-d14	12.99	244	1241174	63.62	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	99490	4.75	ng	# 83
25) Isophorone	7.45	82	765534	40.30	ng	# 65
50) 2,6-Dinitrotoluene	9.92	165	37918	8.68	ng	# 30
56) 2,4-Dinitrotoluene	9.92	165	37911	6.52	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.70	198	333	2.77	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12368	2.23	ng	# 1

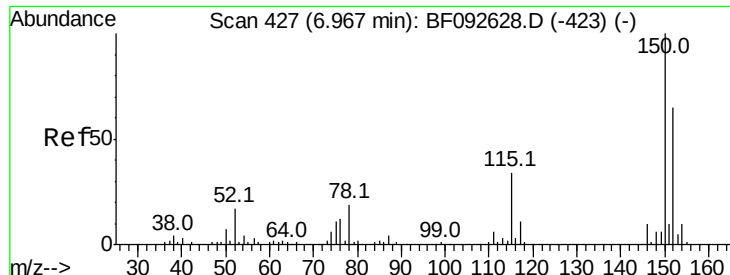
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021317\
Data File : BF092919.D
Acq On : 13 Feb 2017 15:43
Operator : SJ/MA
Sample : PB96883BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 13 17:49:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.07 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

Instrument :

BNA_F

ClientSampled :

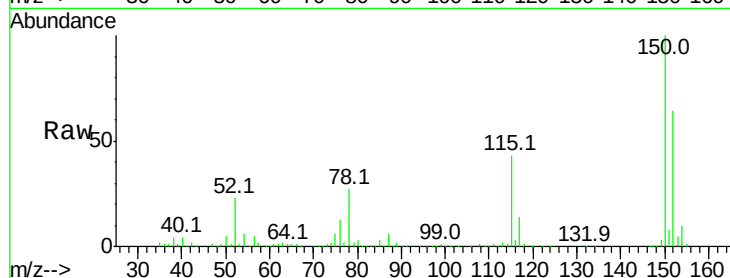
Tot Ion:152 Resp: 438487

Ion Ratio Lower Upper

152 100

150 155.3 124.9 187.3

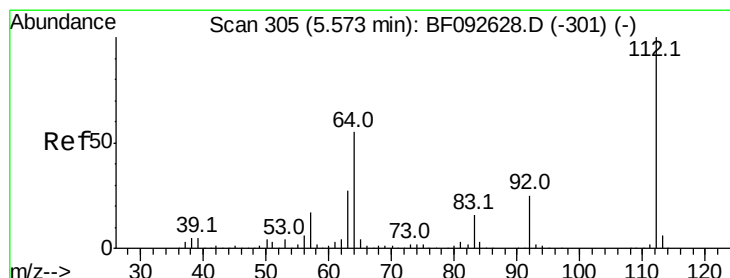
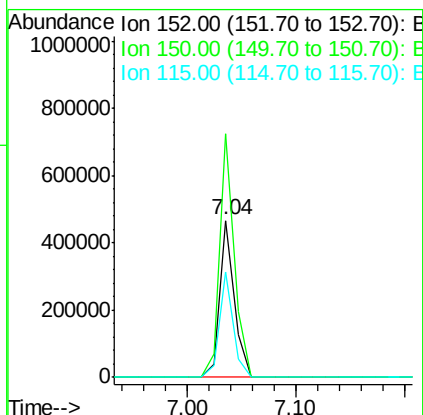
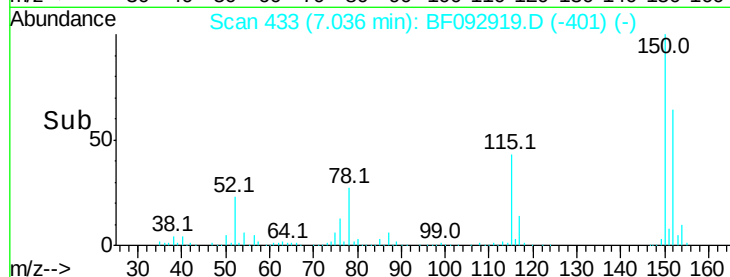
115 67.4 46.0 69.0



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: 27.30 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.08 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

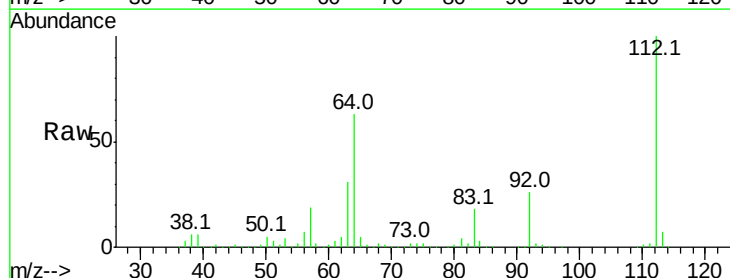
Tgt Ion:112 Resp: 697627

Ion Ratio Lower Upper

112 100

64 63.1 46.1 69.1

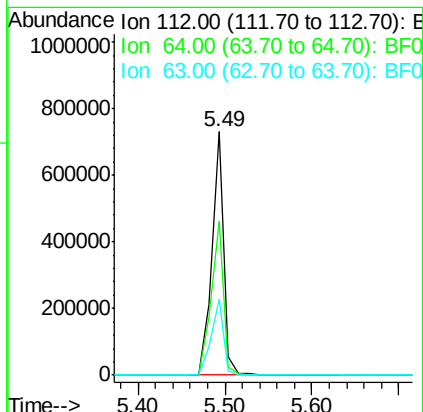
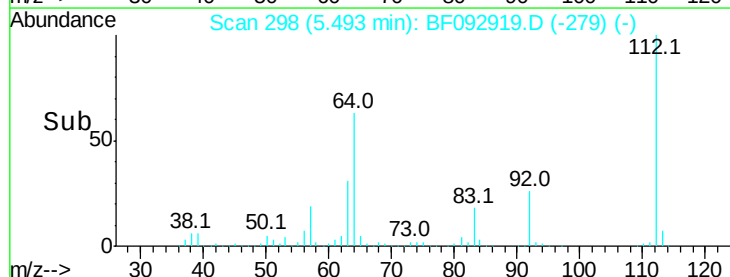
63 31.3 23.8 35.6

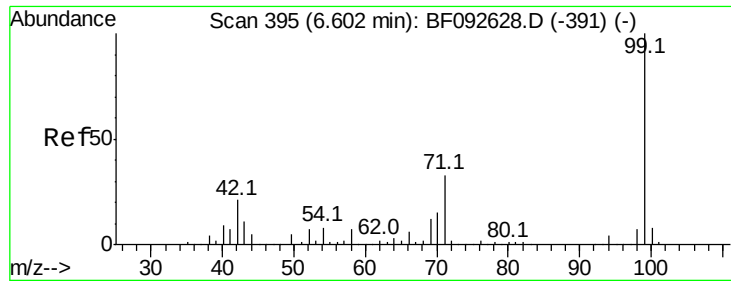


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.83 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.08 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

Instrument :

BNA_F

ClientSampleId :

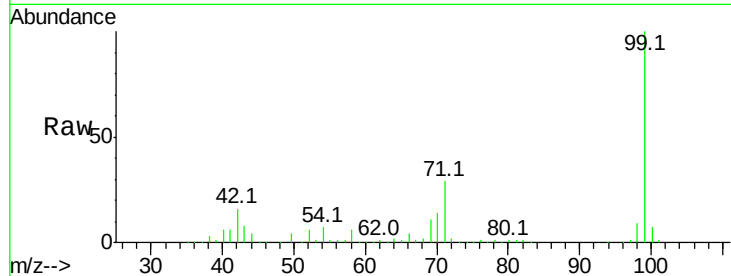
Tot Ion: 99 Resp: 915101

Ion Ratio Lower Upper

99 100

42 15.7 15.6 23.4

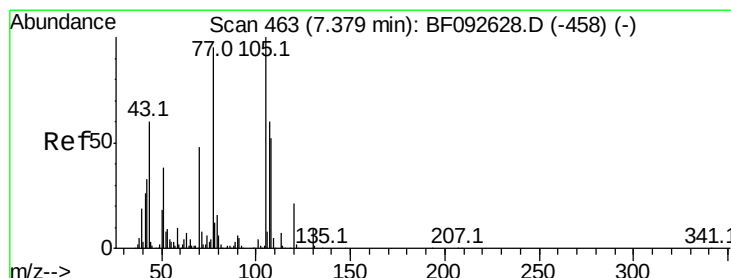
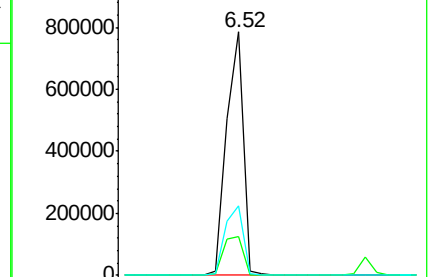
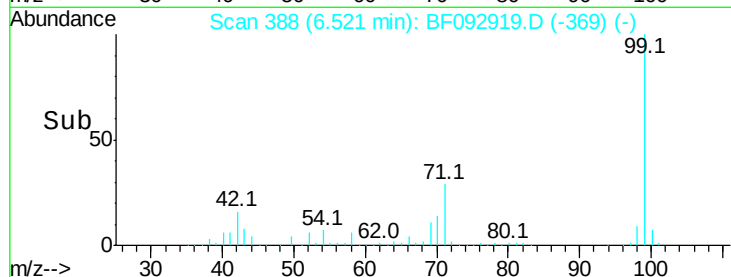
71 28.6 27.5 41.3



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: 4.75 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.07 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

Tgt Ion: 70 Resp: 99490

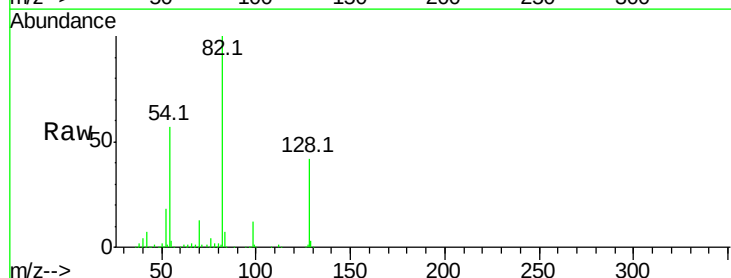
Ion Ratio Lower Upper

70 100

42 53.9 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

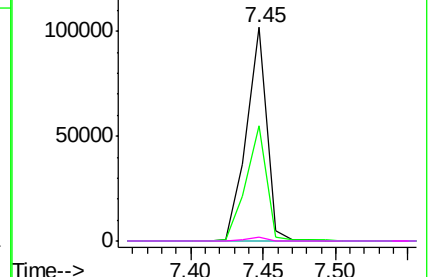
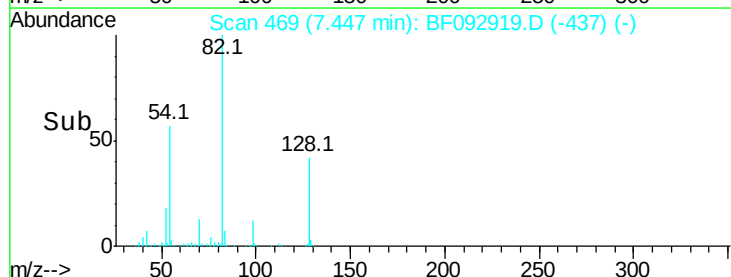


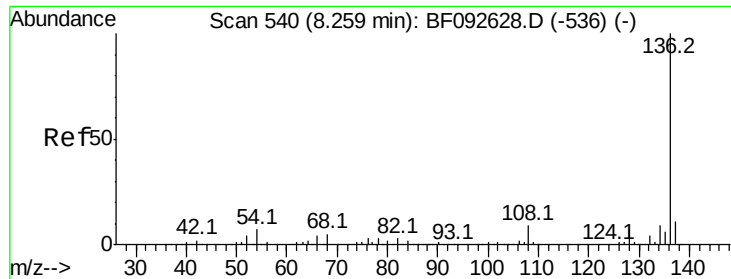
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

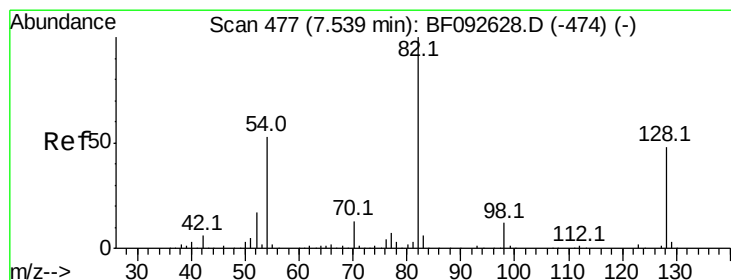
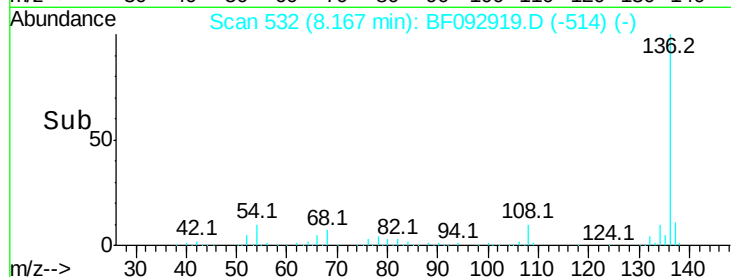
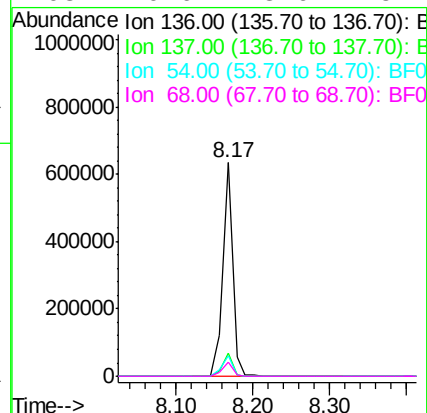
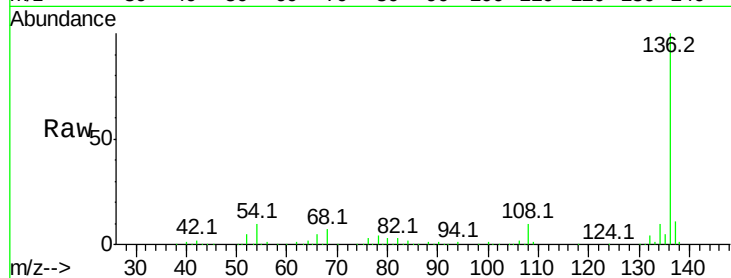




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.09 min
Lab File: BF092919.D
Acq: 13 Feb 2017 15:43

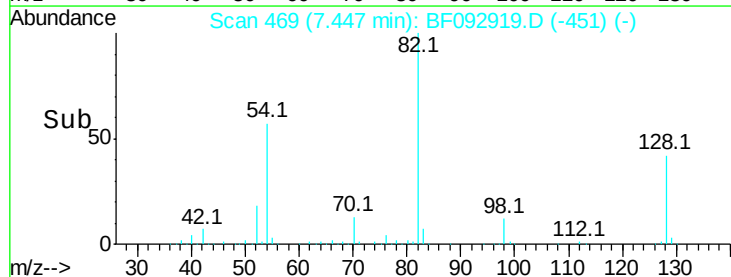
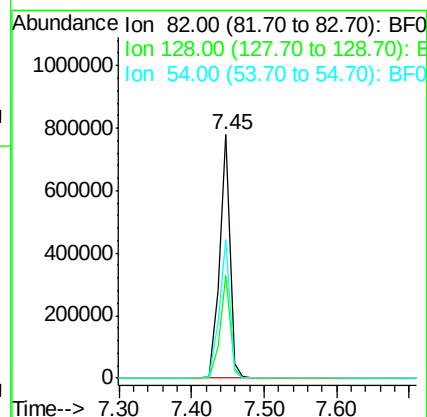
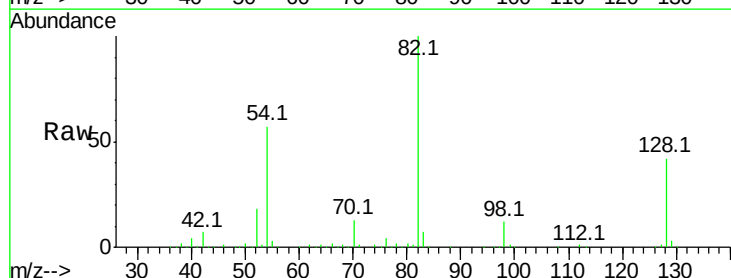
Instrument :
BNA_F
ClientSampleId :

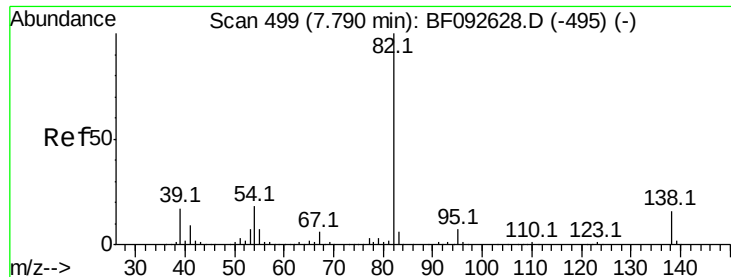
Tot Ion:	136	Resp:	567694
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.6	4.5	6.7#
68	6.6	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 75.46 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.09 min
Lab File: BF092919.D
Acq: 13 Feb 2017 15:43

Tgt Ion:	82	Resp:	769220
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.6	52.0
54	57.0	39.5	59.3





#25

Isophorone

Concen: 40.30 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.34 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

Instrument :

BNA_F

ClientSampled :

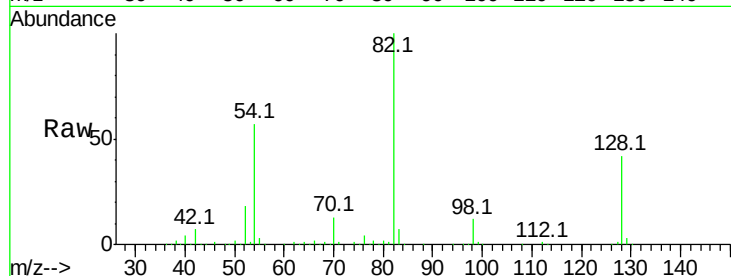
Tot Ion: 82 Resp: 765534

Ion Ratio Lower Upper

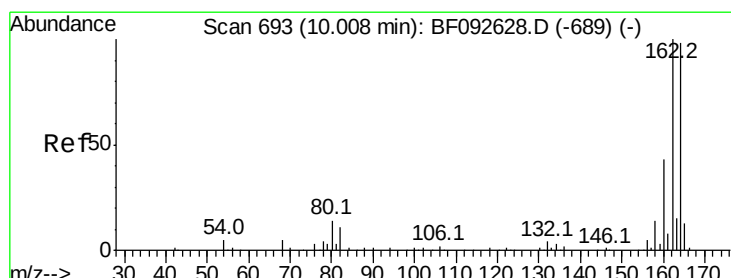
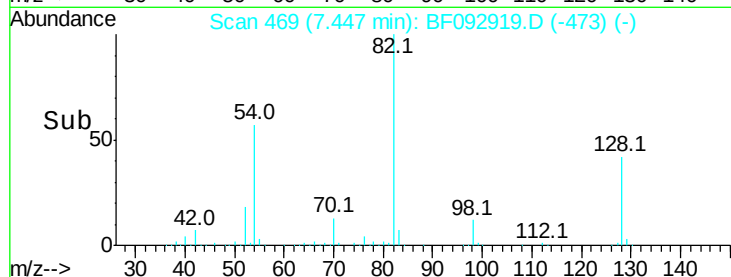
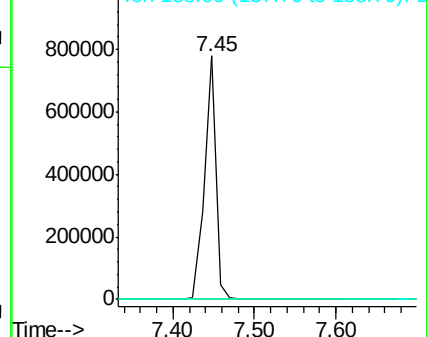
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



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: 9.92 min Scan# 685

Delta R.T. -0.09 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

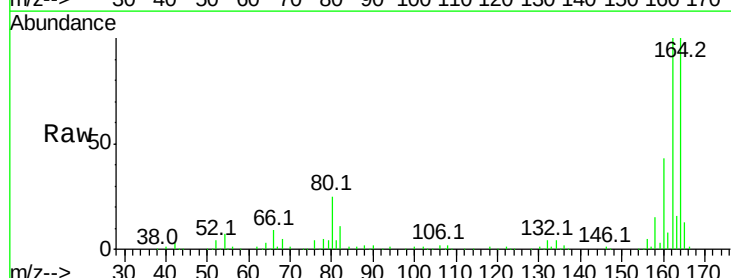
Tgt Ion:164 Resp: 300452

Ion Ratio Lower Upper

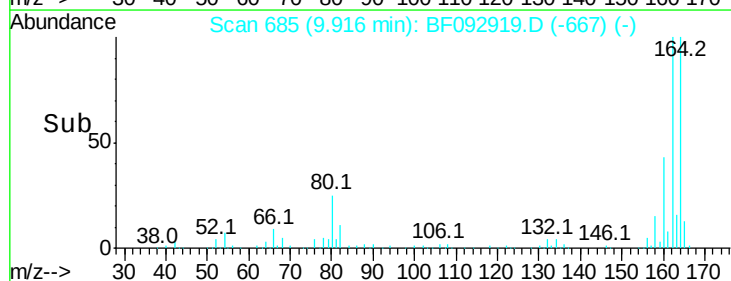
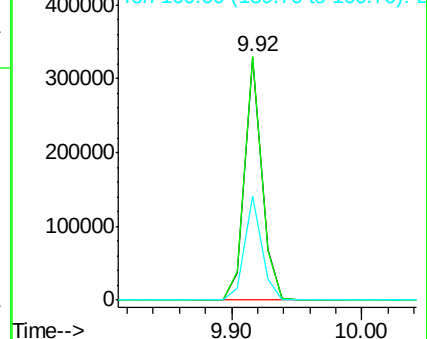
164 100

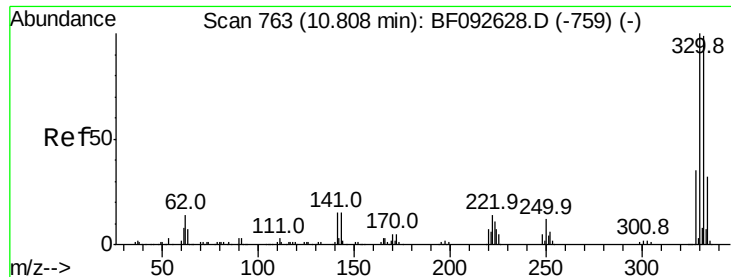
162 100.3 80.2 120.2

160 43.0 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

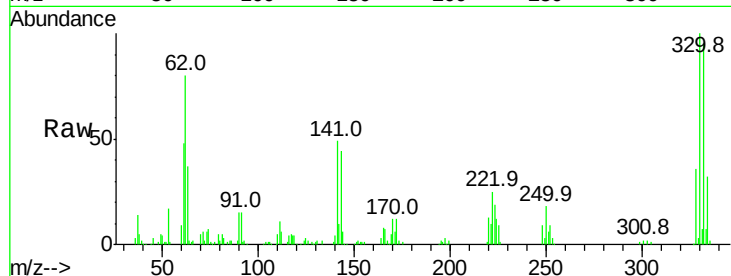




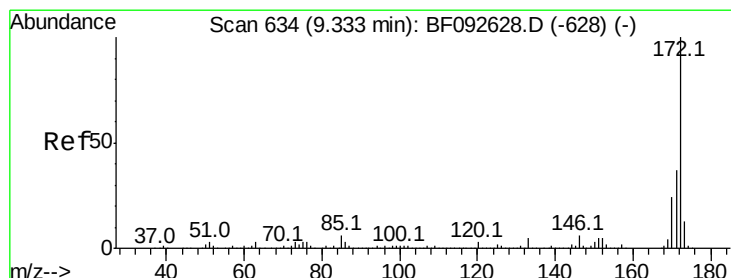
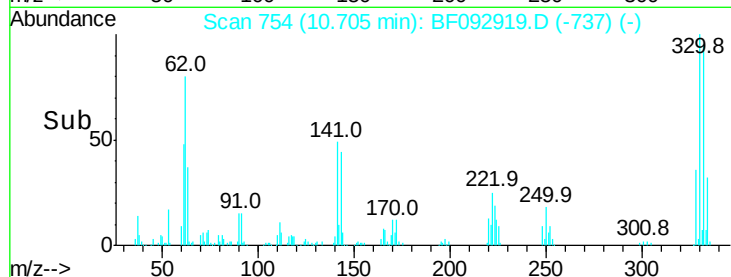
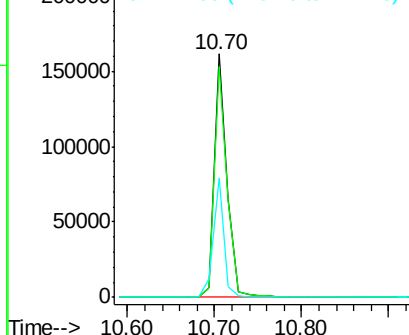
#41
 2,4,6-Tribromophenol
 Concen: 76.36 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.10 min
 Lab File: BF092919.D
 Acq: 13 Feb 2017 15:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 165943
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 41.7 34.1 51.1

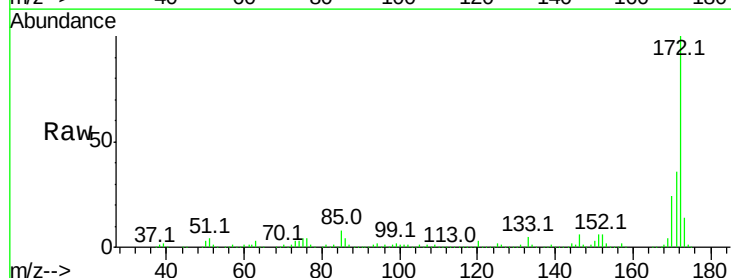


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

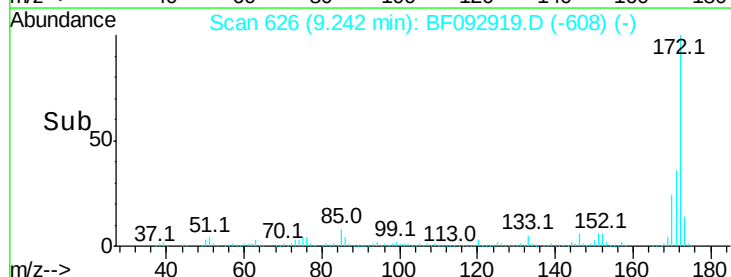
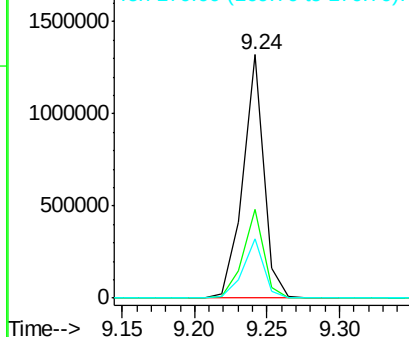


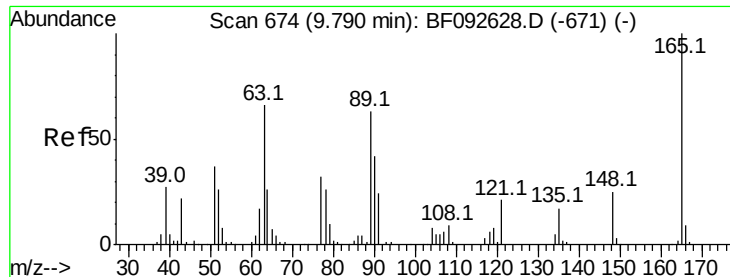
#44
 2-Fluorobiphenyl
 Concen: 79.89 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.09 min
 Lab File: BF092919.D
 Acq: 13 Feb 2017 15:43

Tgt Ion:172 Resp: 1324969
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.3 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

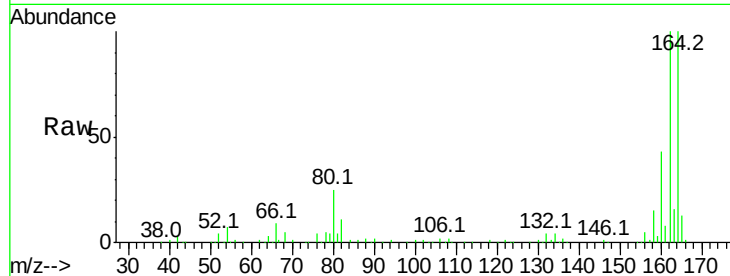




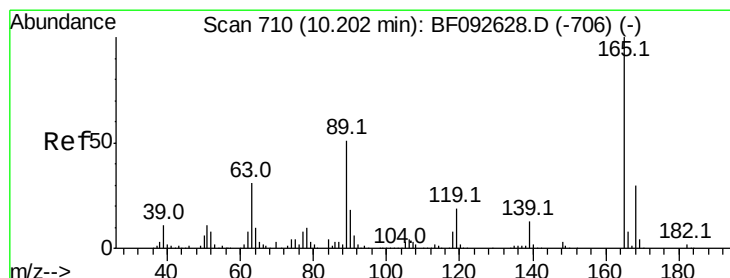
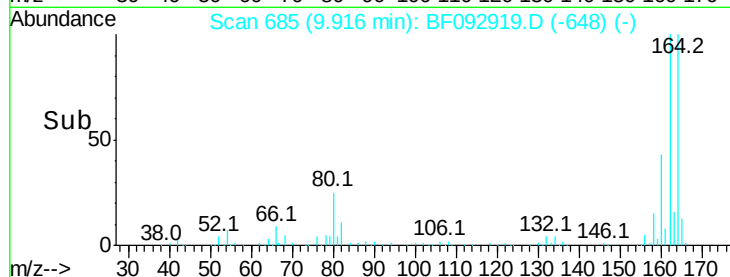
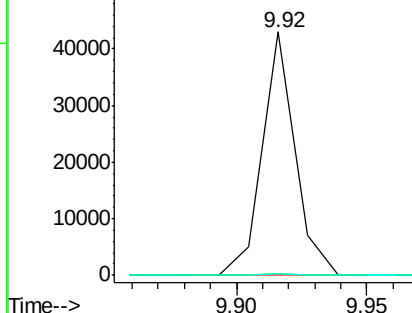
#50
 2,6-Dinitrotoluene
 Concen: 8.68 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.13 min
 Lab File: BF092919.D
 Acq: 13 Feb 2017 15:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.2	54.4#
89	0.8	40.2	60.4#



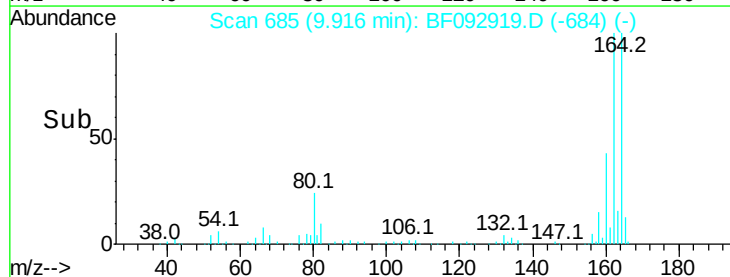
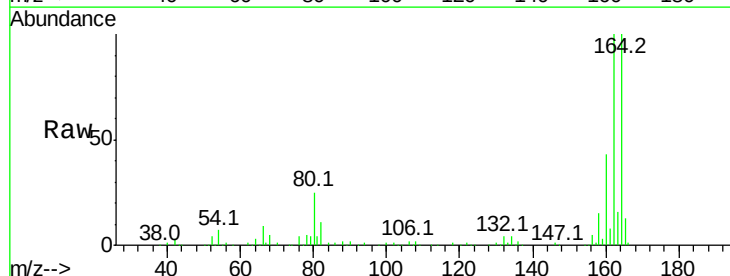
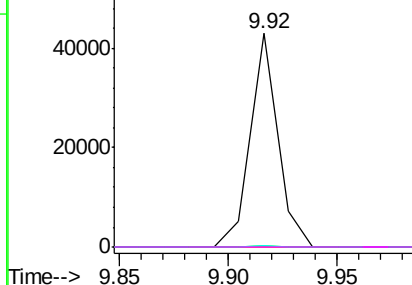
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

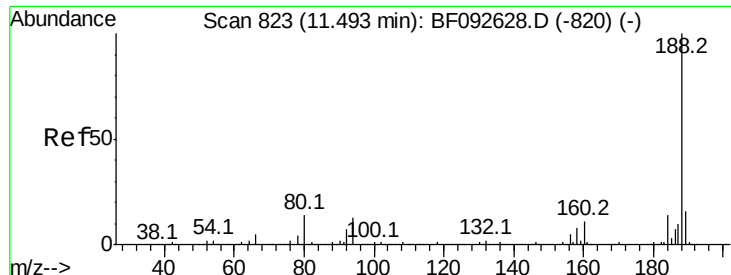


#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.29 min
 Lab File: BF092919.D
 Acq: 13 Feb 2017 15:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	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

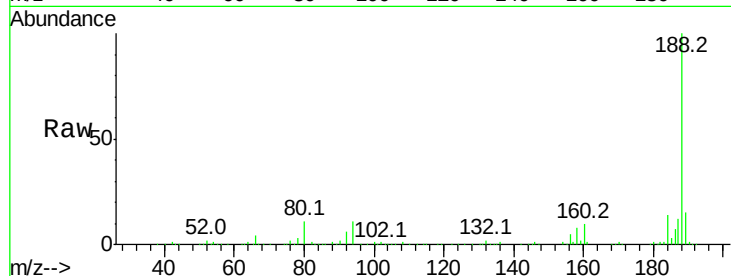




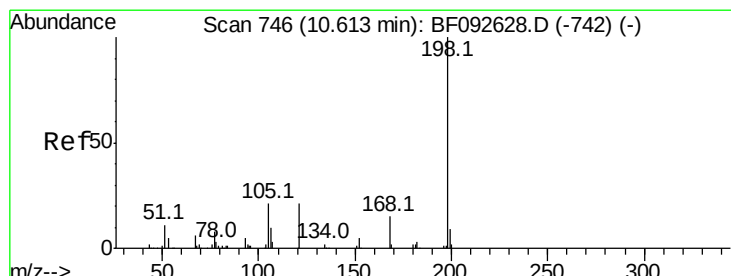
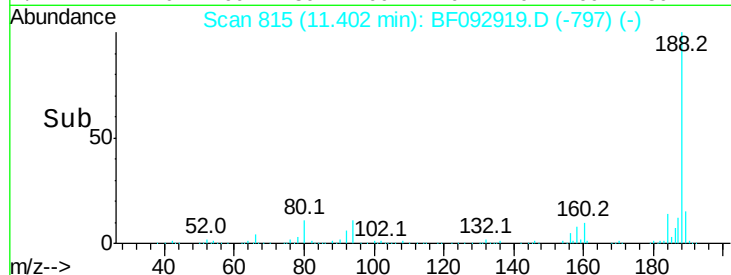
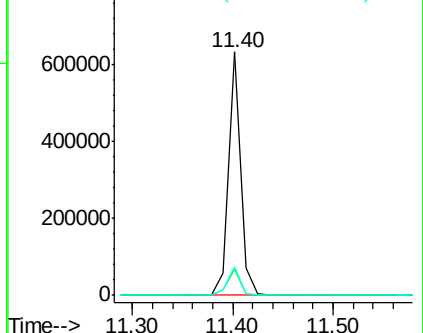
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.09 min
 Lab File: BF092919.D
 Acq: 13 Feb 2017 15:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 530540
 Ion Ratio Lower Upper
 188 100
 94 10.7 10.0 15.0
 80 11.5 11.2 16.8

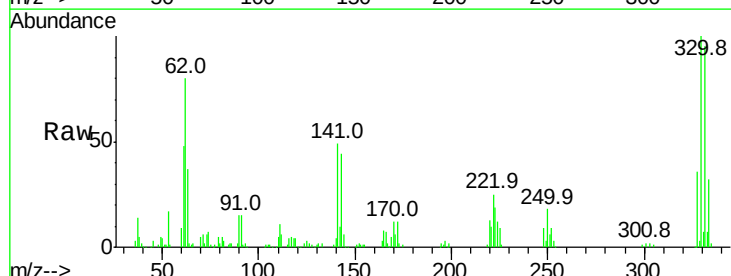


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

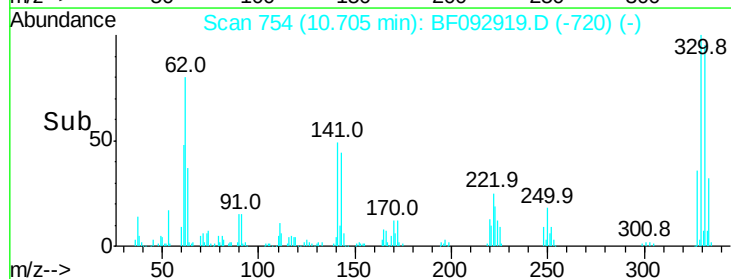
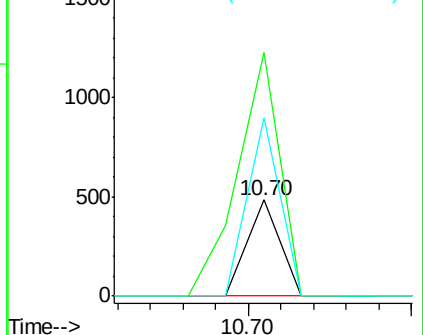


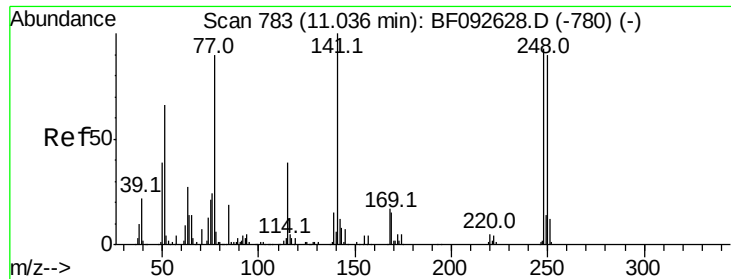
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.77 ng
 RT: 10.70 min Scan# 754
 Delta R.T. 0.09 min
 Lab File: BF092919.D
 Acq: 13 Feb 2017 15:43

Tgt Ion:198 Resp: 333
 Ion Ratio Lower Upper
 198 100
 51 253.0 6.7 46.7#
 105 185.6 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: 2.23 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.33 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

Instrument :

BNA_F

ClientSampled :

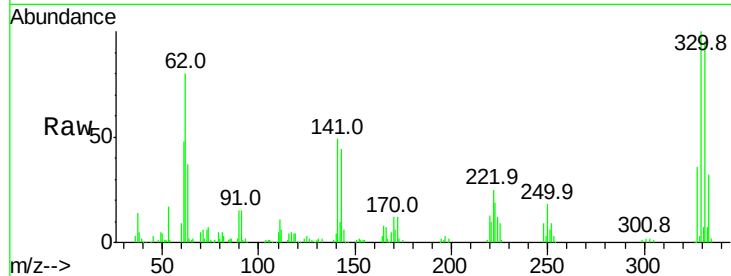
Tot Ion:248 Resp: 12368

Ion Ratio Lower Upper

248 100

250 204.1 76.9 115.3#

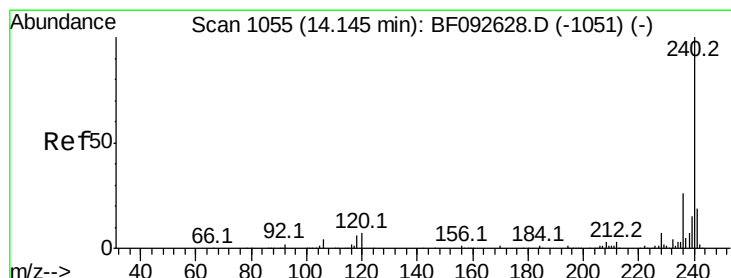
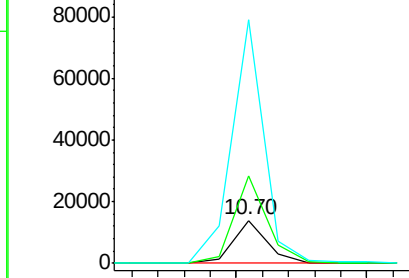
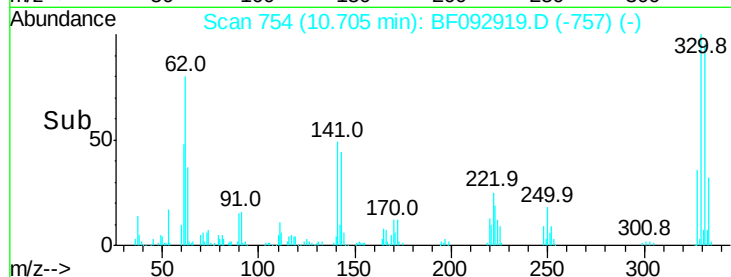
141 565.1 68.2 102.4#



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

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.10 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

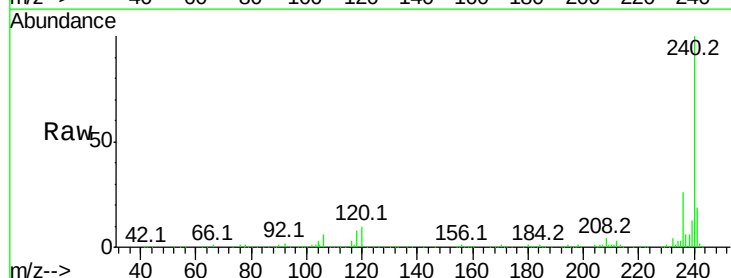
Tgt Ion:240 Resp: 458389

Ion Ratio Lower Upper

240 100

120 9.7 12.9 19.3#

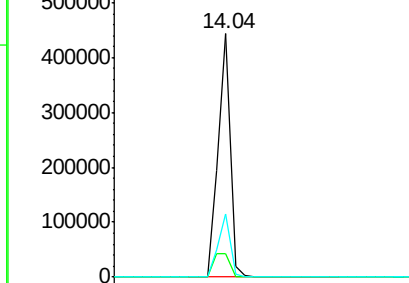
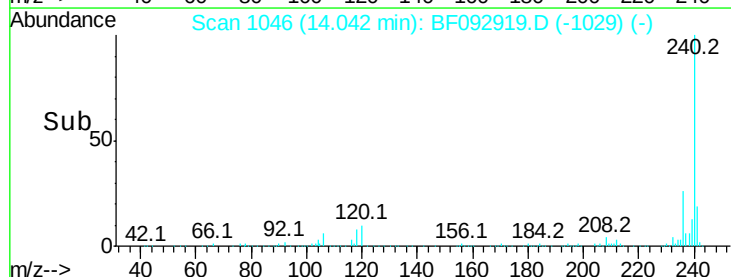
236 25.8 20.9 31.3

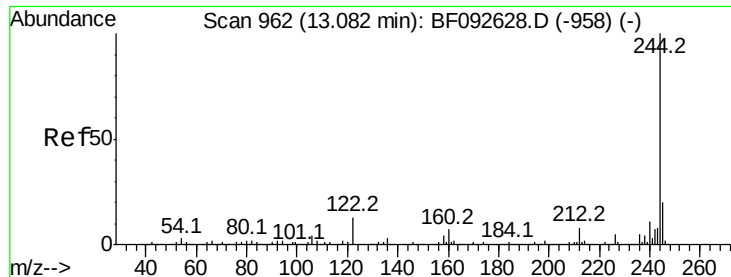


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 63.62 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.09 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

Instrument :

BNA_F

ClientSampleId :

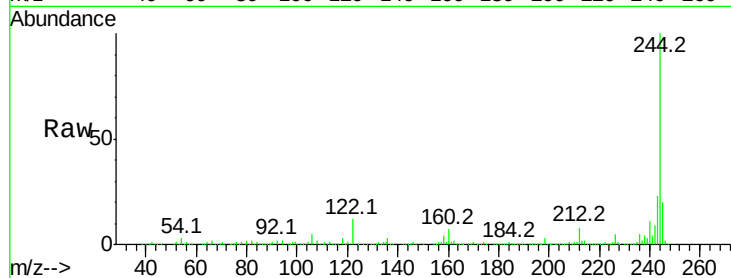
Tot Ion:244 Resp: 1241174

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

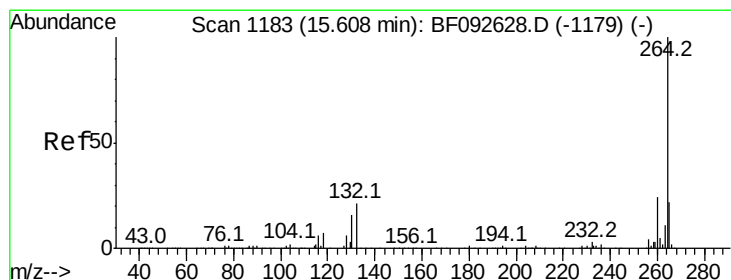
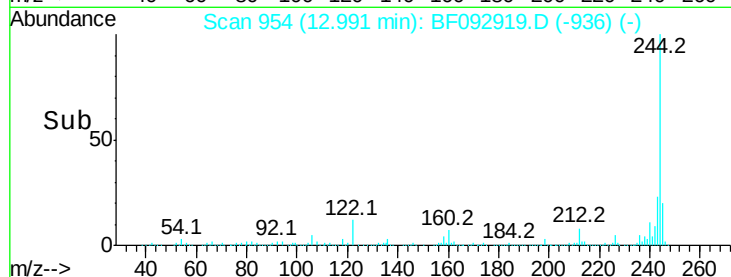
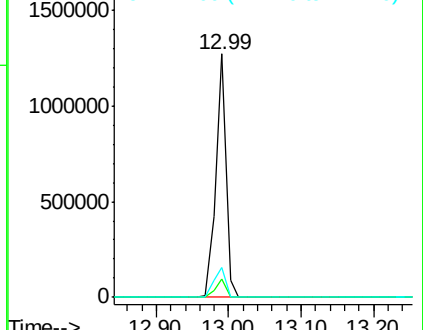
122 12.4 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. -0.13 min

Lab File: BF092919.D

Acq: 13 Feb 2017 15:43

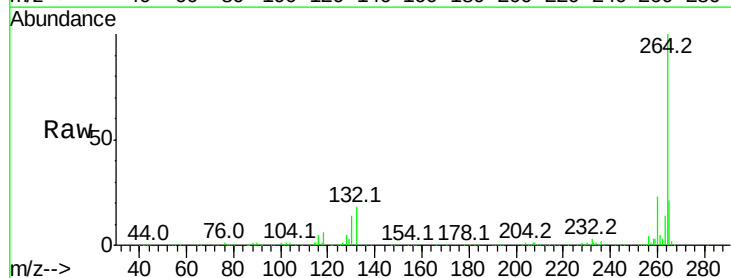
Tgt Ion:264 Resp: 380747

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.3 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

