

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092515.D
 Acq On : 26 Jan 2017 10:25
 Operator : SJ/MA
 Sample : I1309-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 13:27:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

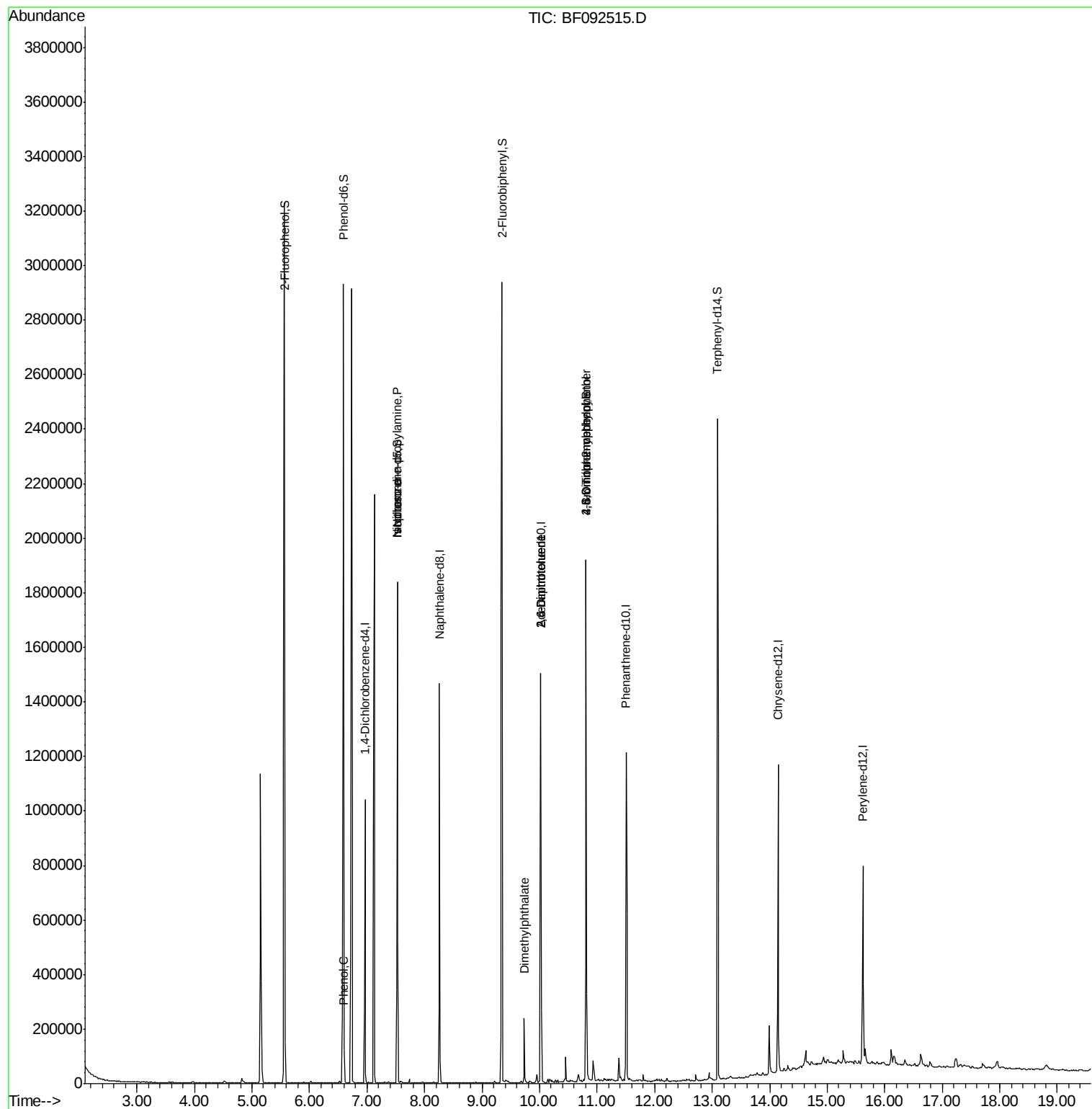
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	151984	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	614295	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	311007	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	516809	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	359861	20.00	ng	-0.02
86) Perylene-d12	15.62	264	328167	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	864577	88.51	ng	0.01
7) Phenol-d6	6.59	99	1224754	98.43	ng	0.00
23) Nitrobenzene-d5	7.53	82	624593	55.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	199386	94.08	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1156271	68.75	ng	-0.01
78) Terphenyl-d14	13.09	244	879326	65.07	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	35251	2.35	ng	# 63
19) n-Nitroso-di-n-propylamine	7.53	70	82536	9.74	ng	# 84
25) Isophorone	7.53	82	547326	24.70	ng	# 65
49) Dimethylphthalate	9.73	163	85753	4.34	ng	# 99
50) 2,6-Dinitrotoluene	10.02	165	39896	9.87	ng	# 30
56) 2,4-Dinitrotoluene	10.02	165	39898	7.44	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.81	198	405	5.08	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	14859	2.85	ng	# 1

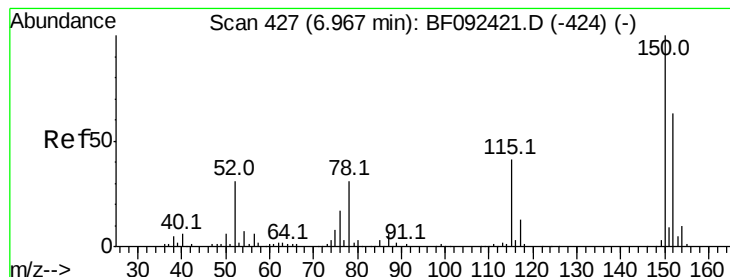
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

Instrument :

BNA_F

ClientSampleId :

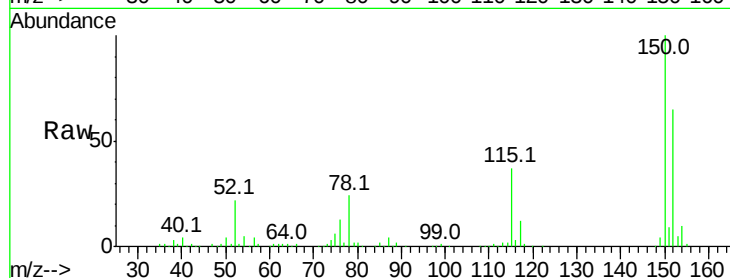
Tot Ion:152 Resp: 151984

Ion Ratio Lower Upper

152 100

150 153.0 124.9 187.3

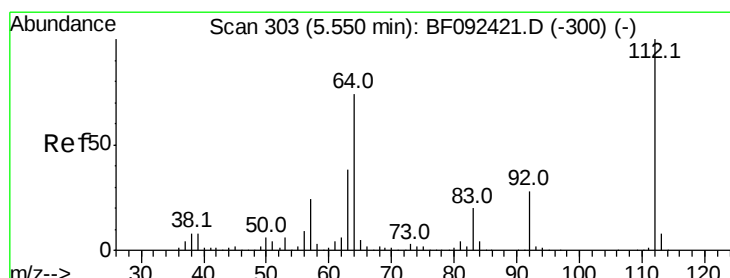
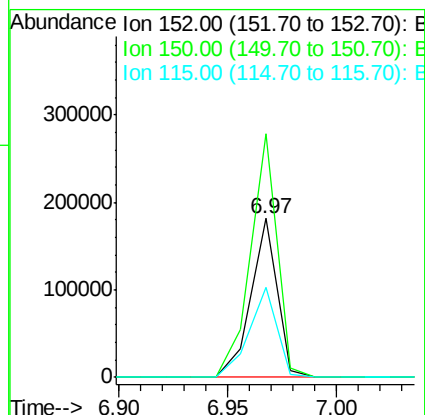
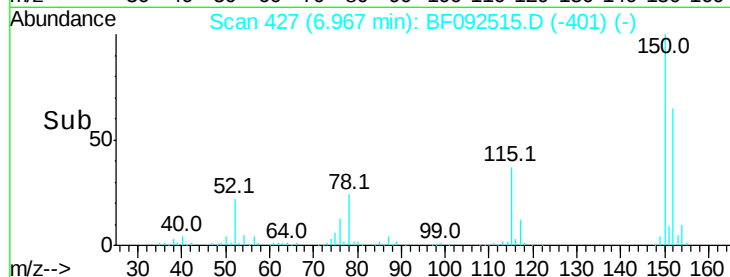
115 56.6 46.0 69.0



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: 88.51 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

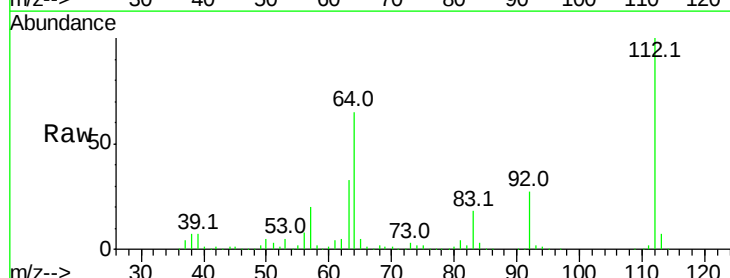
Tgt Ion:112 Resp: 864577

Ion Ratio Lower Upper

112 100

64 65.4 46.1 69.1

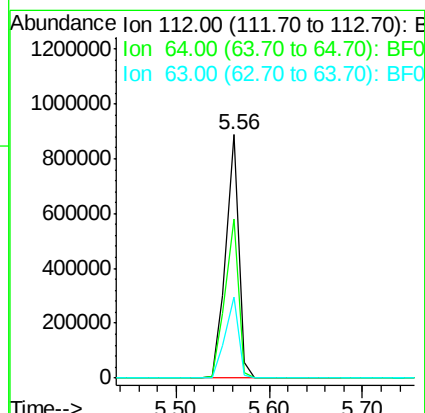
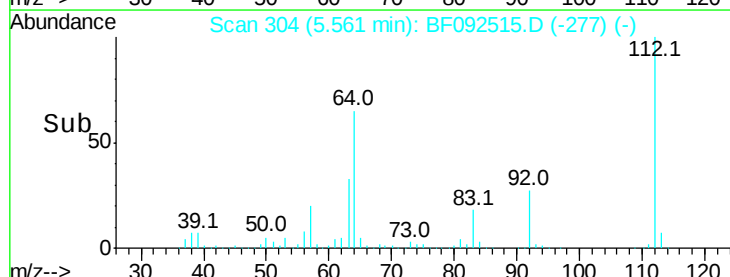
63 33.1 23.8 35.6

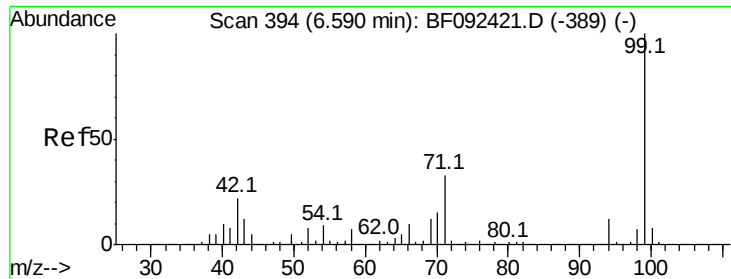


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.43 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

Instrument :

BNA_F

ClientSampleId :

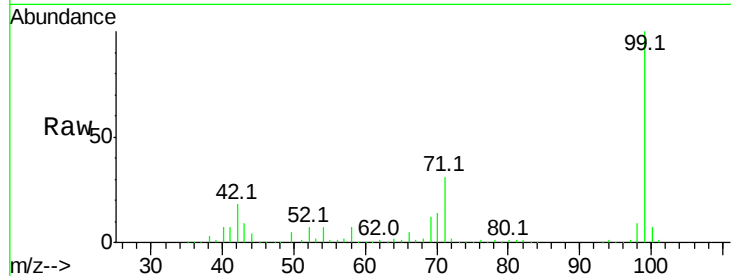
Tot Ion: 99 Resp: 1224754

Ion Ratio Lower Upper

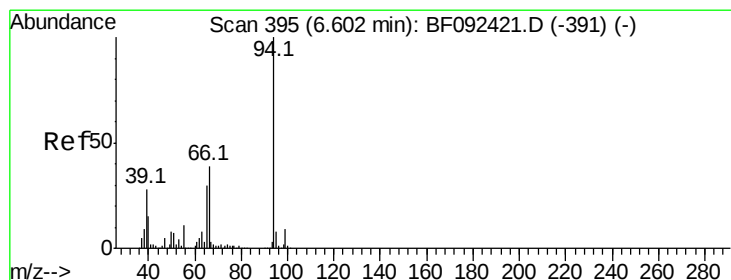
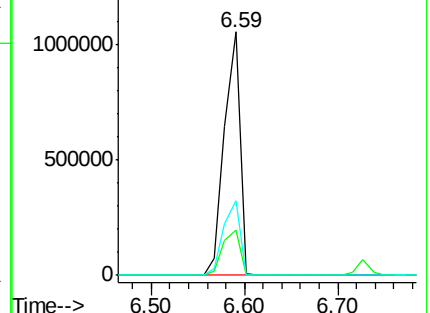
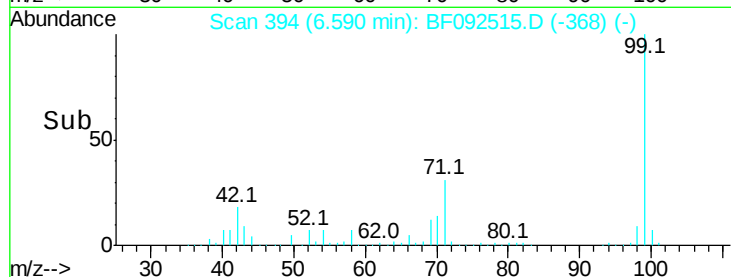
99 100

42 18.3 15.6 23.4

71 30.9 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



#10

Phenol

Concen: 2.35 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

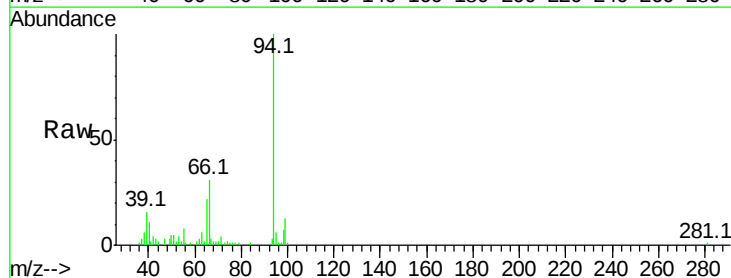
Tgt Ion: 94 Resp: 35251

Ion Ratio Lower Upper

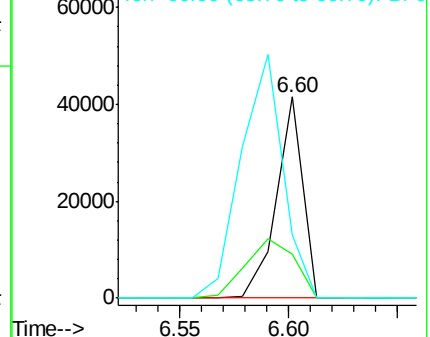
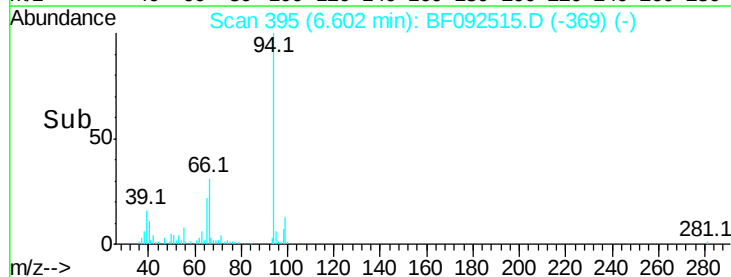
94 100

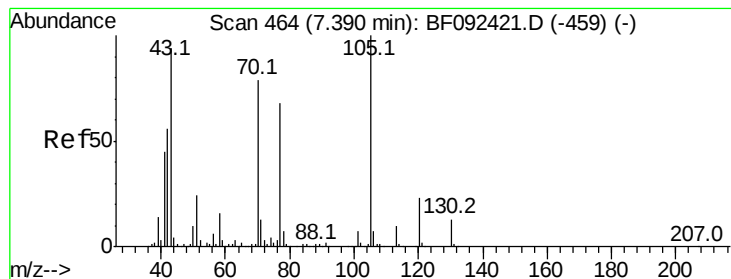
65 22.1 21.4 61.4

66 31.4 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 9.74 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 82536

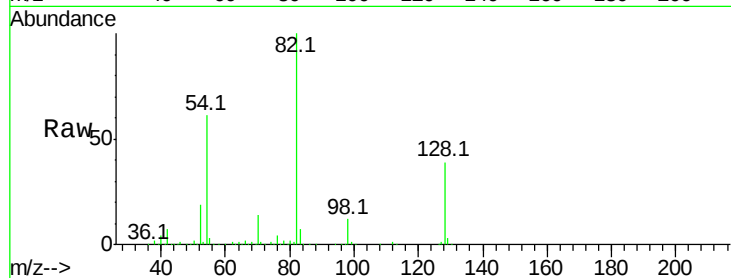
Ion Ratio Lower Upper

70 100

42 55.1 49.4 74.0

101 0.0 7.4 11.2#

130 1.7 14.2 21.4#

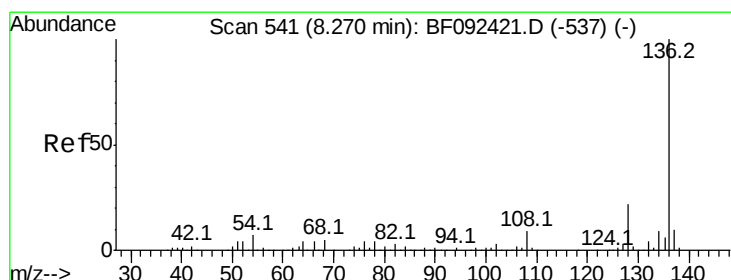
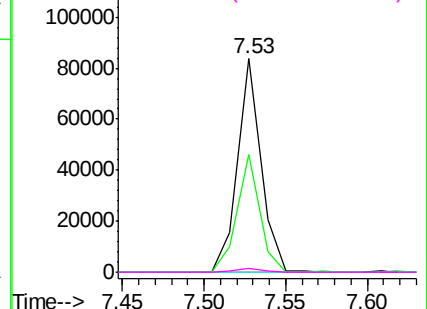
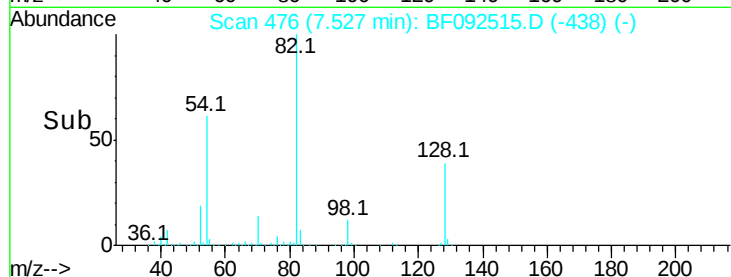


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

Tgt Ion: 136 Resp: 614295

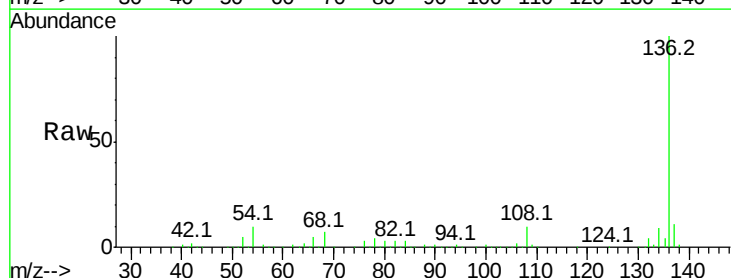
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 9.8 4.5 6.7#

68 6.9 3.6 5.4#

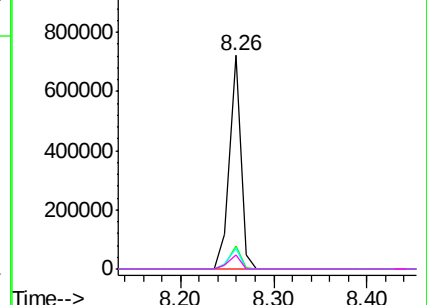
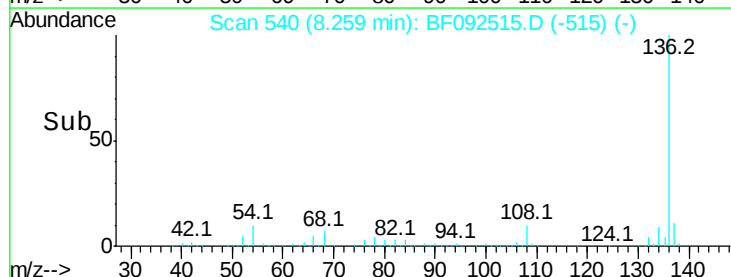


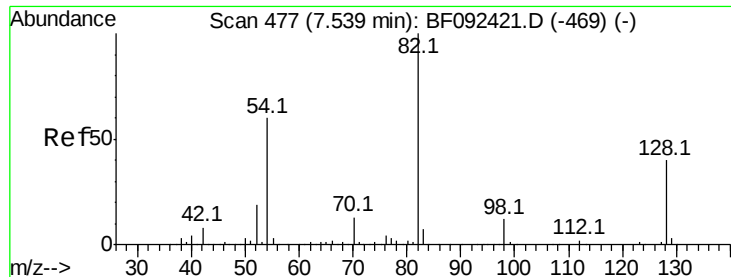
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

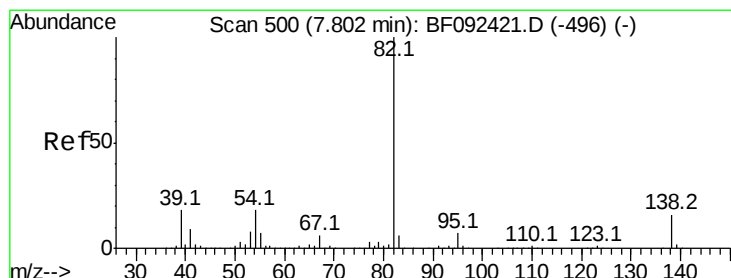
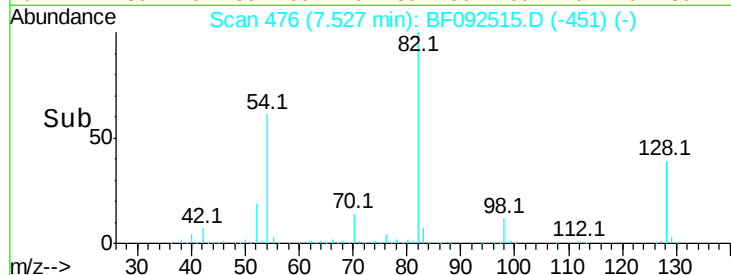
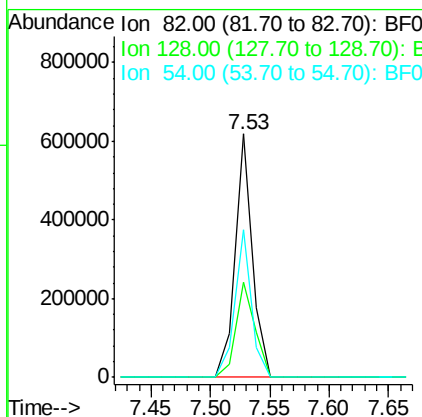
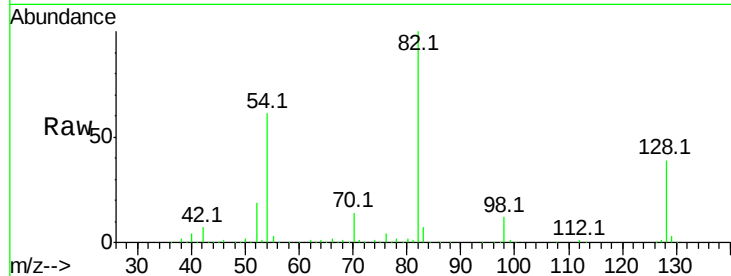




#23
 Nitrobenzene-d5
 Concen: 55.54 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF092515.D
 Acq: 26 Jan 2017 10:25

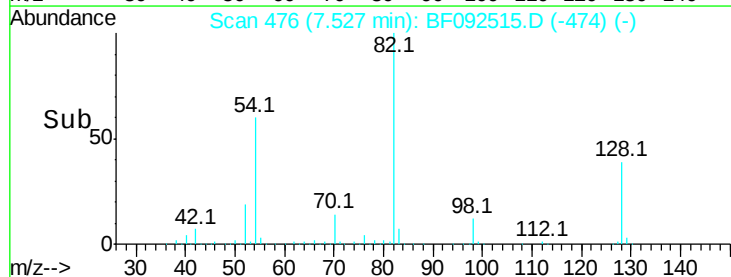
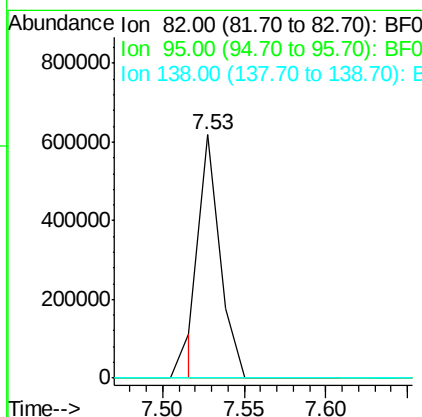
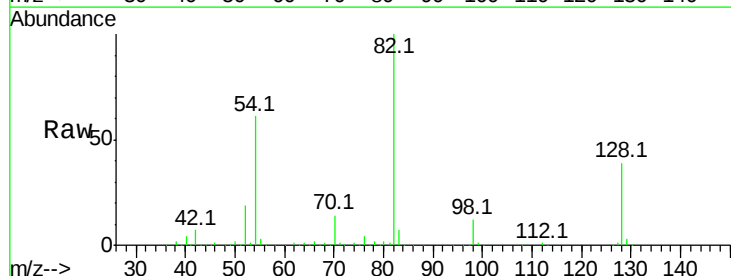
Instrument :
 BNA_F
 ClientSampleId :

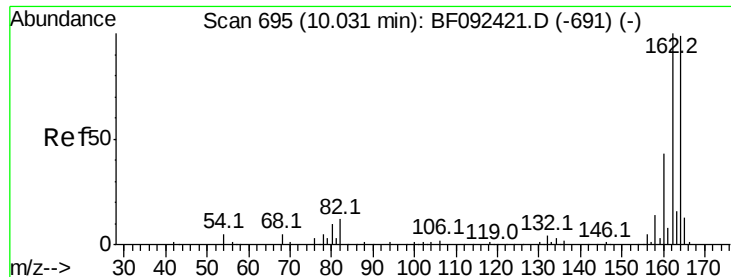
Tot Ion	82	Resp	624593
Ion Ratio	Lower	Upper	
82	100		
128	39.0	34.6	52.0
54	60.5	39.5	59.3#



#25
 Isophorone
 Concen: 24.70 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.27 min
 Lab File: BF092515.D
 Acq: 26 Jan 2017 10:25

Tgt Ion	82	Resp	547326
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

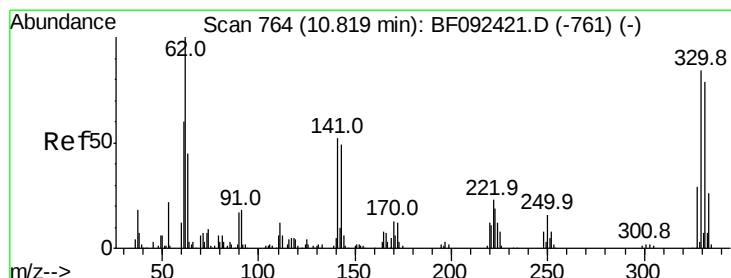
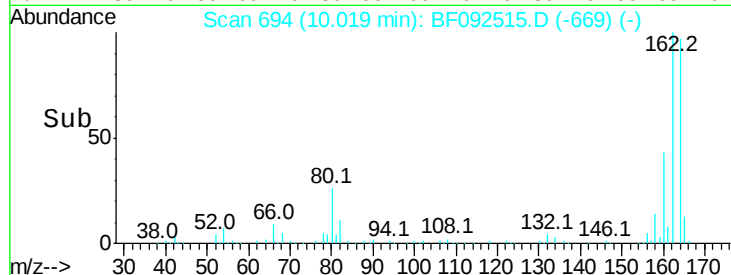
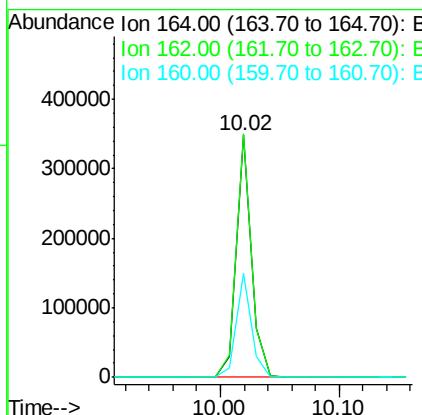
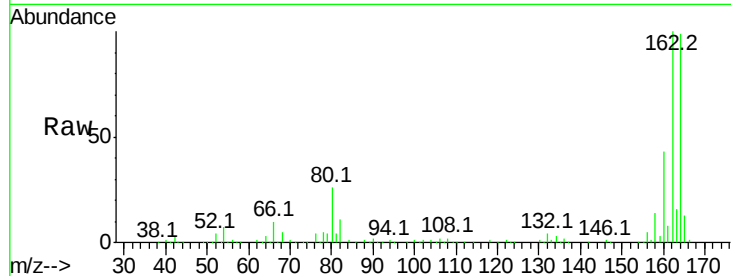




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF092515.D
Acq: 26 Jan 2017 10:25

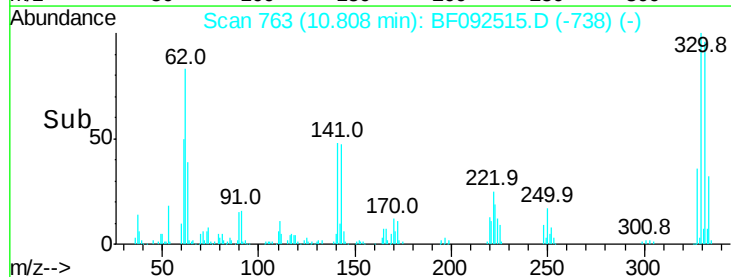
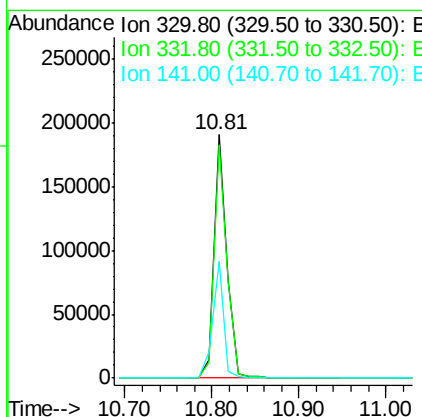
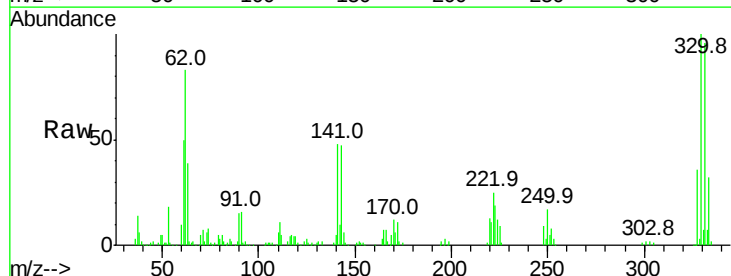
Instrument :
BNA_F
ClientSampleId :

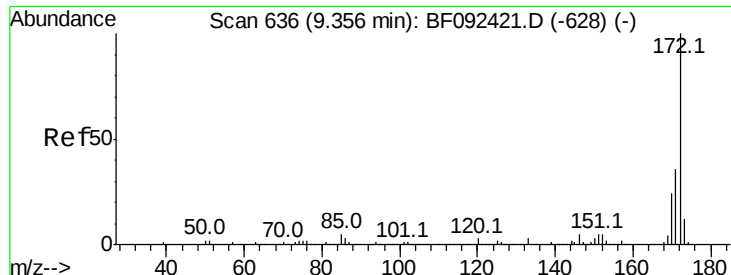
Tot Ion:164 Resp: 311007
Ion Ratio Lower Upper
164 100
162 100.6 80.2 120.2
160 43.2 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 94.08 ng
RT: 10.81 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF092515.D
Acq: 26 Jan 2017 10:25

Tgt Ion:330 Resp: 199386
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.2
141 41.5 34.1 51.1



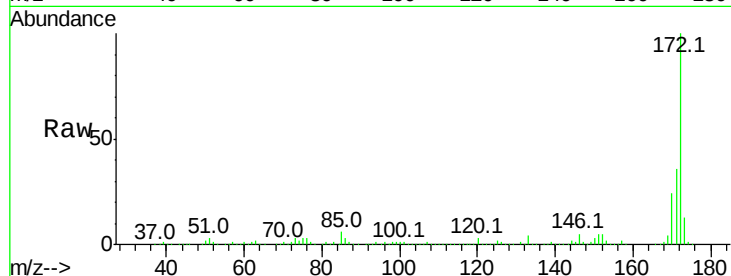


#44
 2-Fluorobiphenyl
 Concen: 68.75 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092515.D
 Acq: 26 Jan 2017 10:25

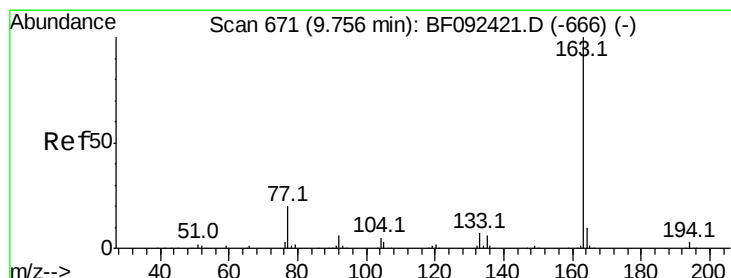
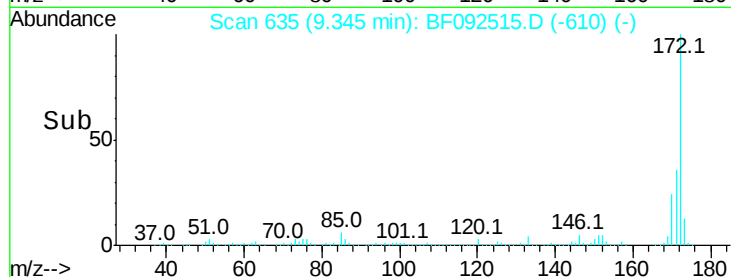
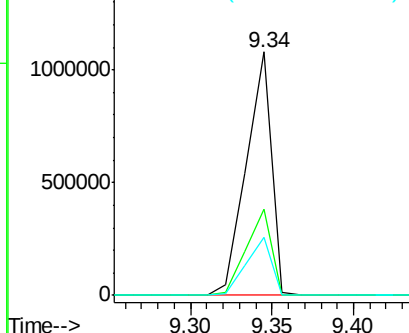
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1156271

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.1	20.2	30.4



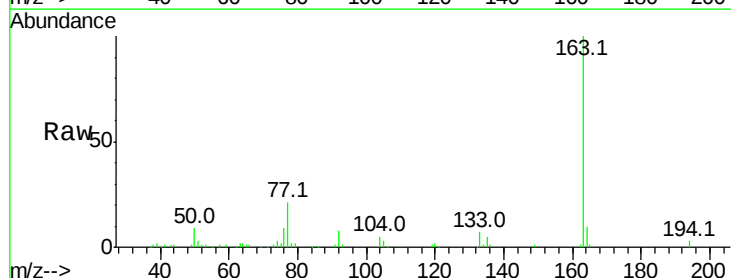
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



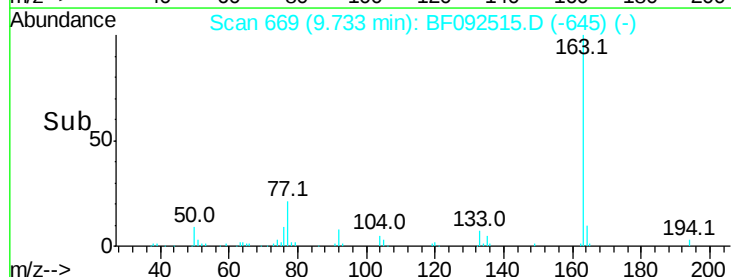
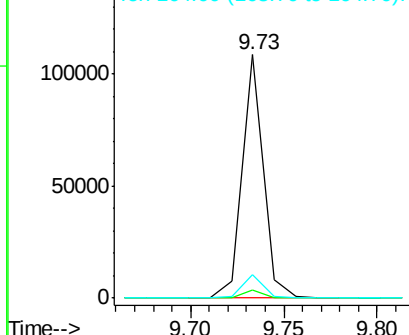
#49
 Dimethylphthalate
 Concen: 4.34 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: BF092515.D
 Acq: 26 Jan 2017 10:25

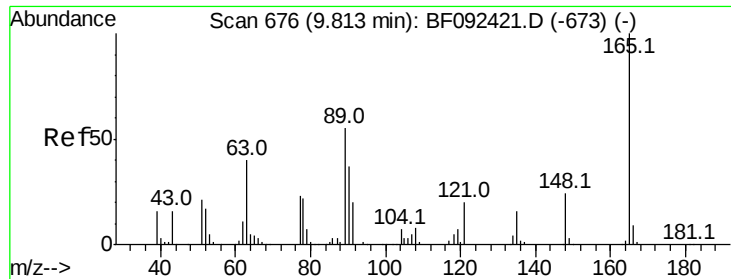
Tgt Ion:163 Resp: 85753

Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.0	4.4
164	9.8	8.0	12.0



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

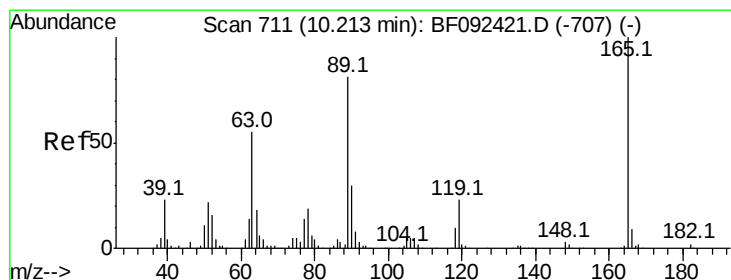
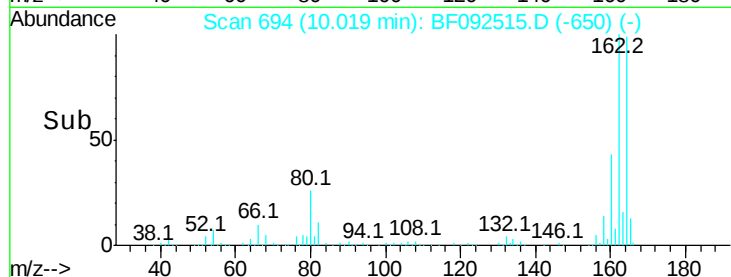
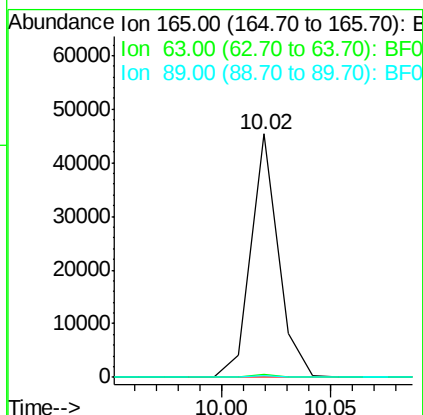
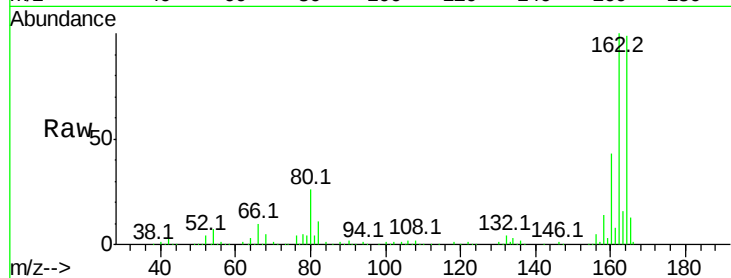




#50
 2,6-Dinitrotoluene
 Concen: 9.87 ng
 RT: 10.02 min Scan# 694
 Delta R.T. 0.21 min
 Lab File: BF092515.D
 Acq: 26 Jan 2017 10:25

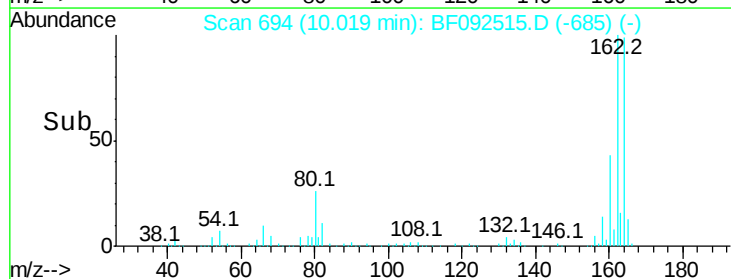
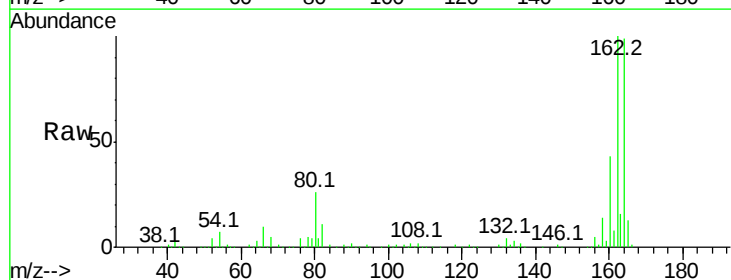
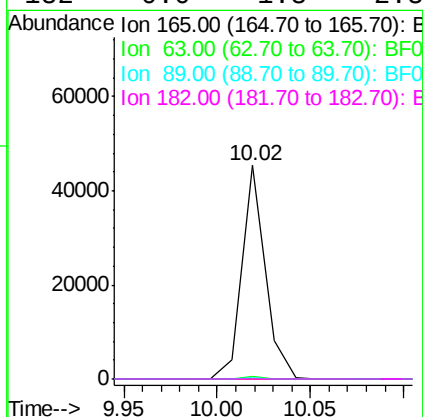
Instrument :
 BNA_F
 ClientSampleId :

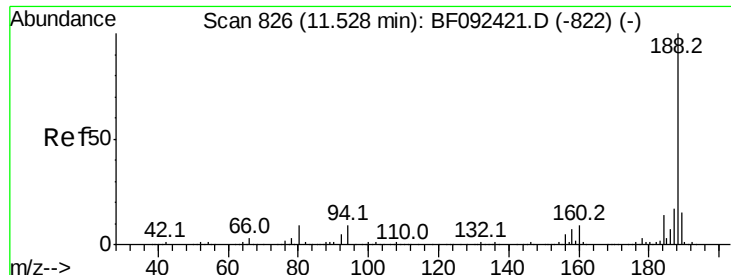
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.2	54.4#
89	0.8	40.2	60.4#



#56
 2,4-Dinitrotoluene
 Concen: 7.44 ng
 RT: 10.02 min Scan# 694
 Delta R.T. -0.19 min
 Lab File: BF092515.D
 Acq: 26 Jan 2017 10:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	0.8	62.5	93.7#
182	0.0	1.8	2.8#

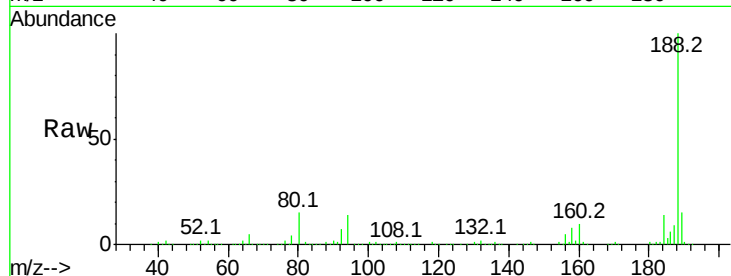




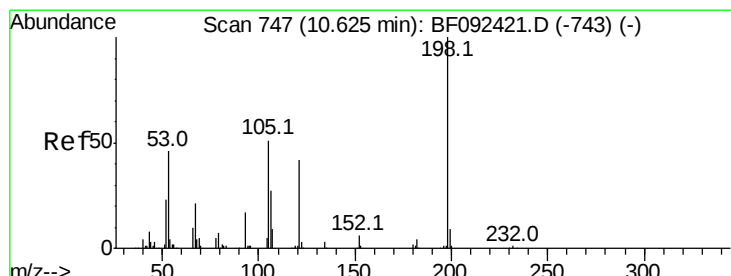
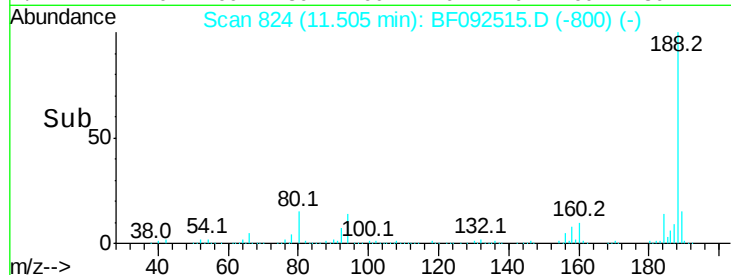
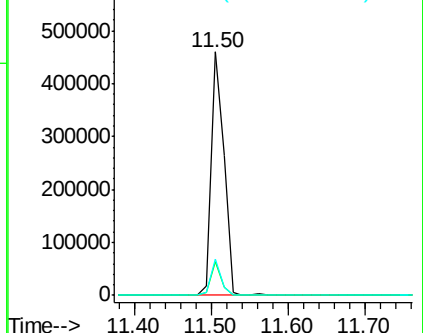
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF092515.D
 Acq: 26 Jan 2017 10:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 516809
 Ion Ratio Lower Upper
 188 100
 94 13.7 10.0 15.0
 80 14.9 11.2 16.8

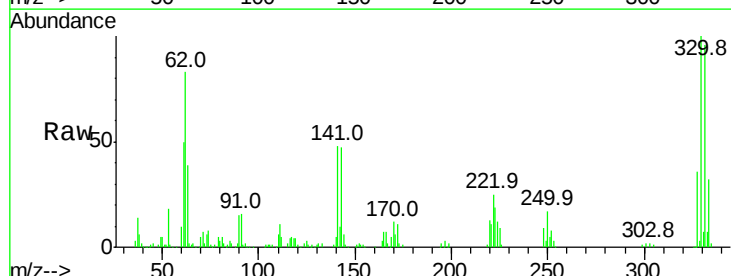


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

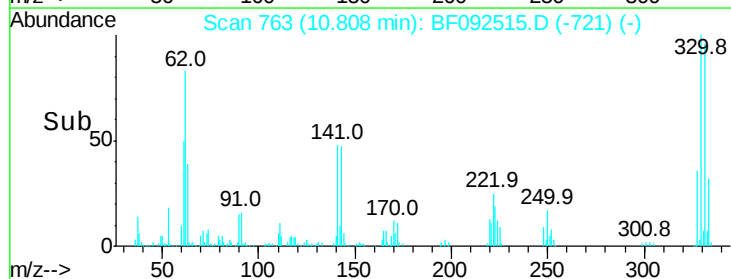
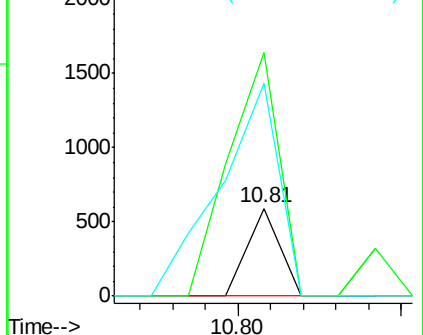


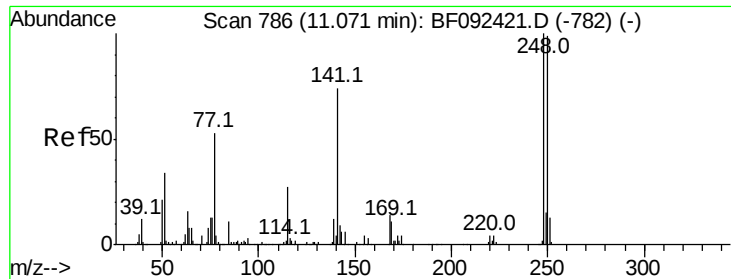
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.08 ng
 RT: 10.81 min Scan# 763
 Delta R.T. 0.18 min
 Lab File: BF092515.D
 Acq: 26 Jan 2017 10:25

Tgt Ion:198 Resp: 405
 Ion Ratio Lower Upper
 198 100
 51 278.1 6.7 46.7#
 105 242.5 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: 2.85 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.26 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

Instrument :

BNA_F

ClientSampleId :

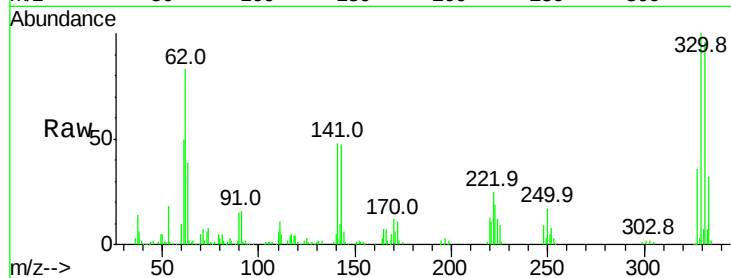
Tot Ion:248 Resp: 14859

Ion Ratio Lower Upper

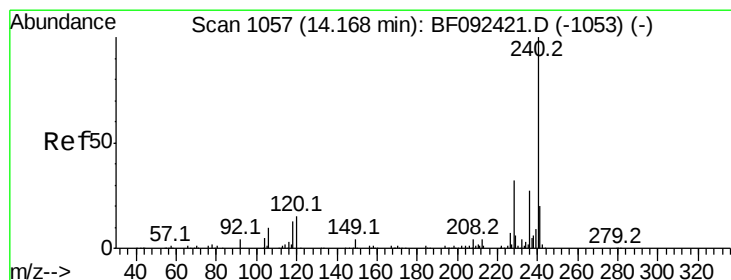
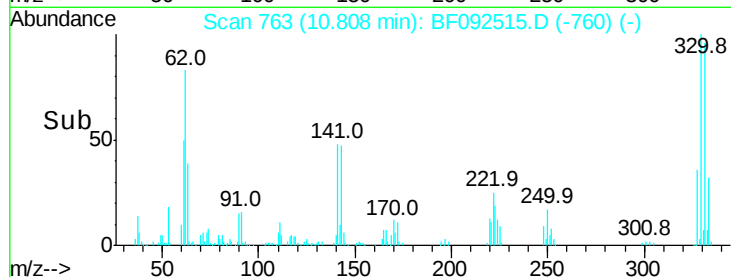
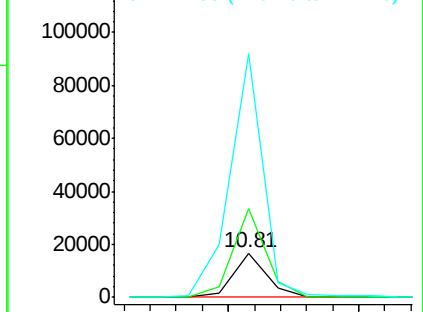
248 100

250 200.7 76.9 115.3#

141 552.8 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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

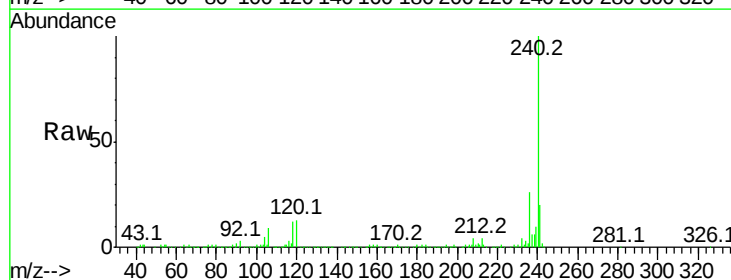
Tgt Ion:240 Resp: 359861

Ion Ratio Lower Upper

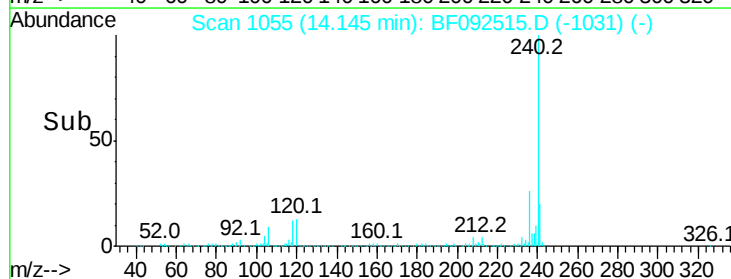
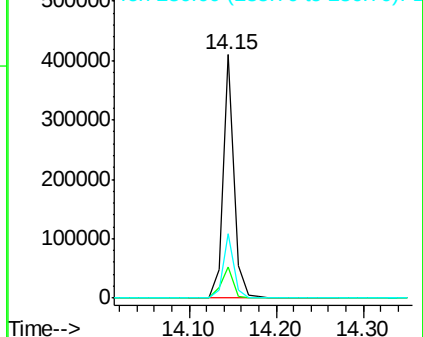
240 100

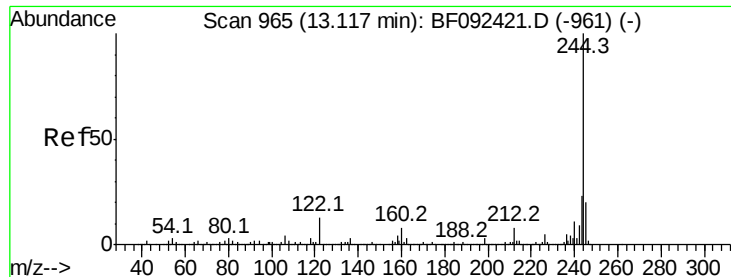
120 12.8 12.9 19.3#

236 26.4 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: 65.07 ng

RT: 13.09 min Scan# 963

Delta R.T. -0.02 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

Instrument :
BNA_F
ClientSampleId :

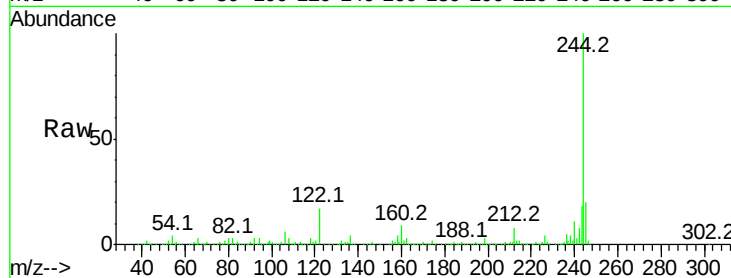
Tot Ion:244 Resp: 879326

Ion Ratio Lower Upper

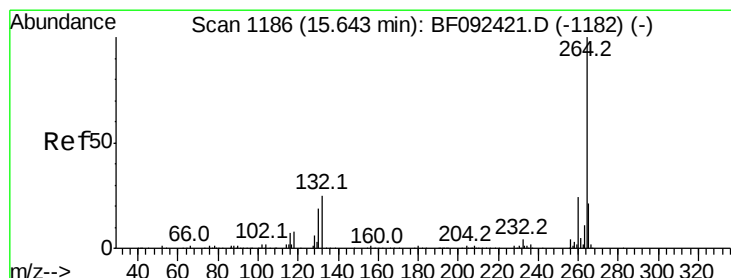
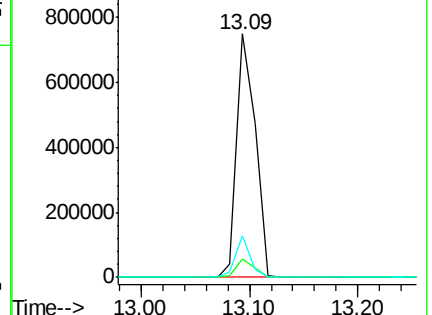
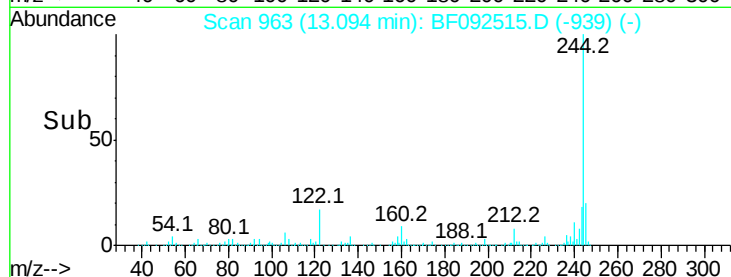
244 100

212 7.7 6.2 9.2

122 16.8 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: 15.62 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BF092515.D

Acq: 26 Jan 2017 10:25

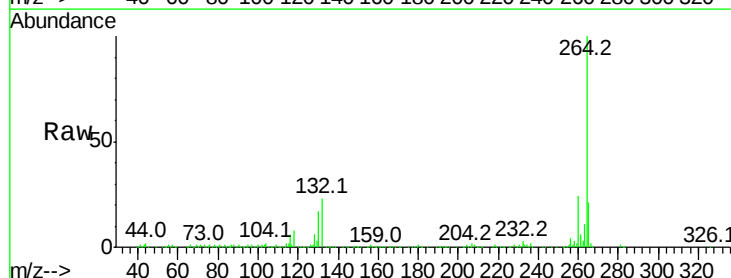
Tgt Ion:264 Resp: 328167

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.2 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

