

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092543.D
 Acq On : 26 Jan 2017 23:42
 Operator : SJ/MA
 Sample : I1451-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-32

Quant Time: Jan 27 01:41:30 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

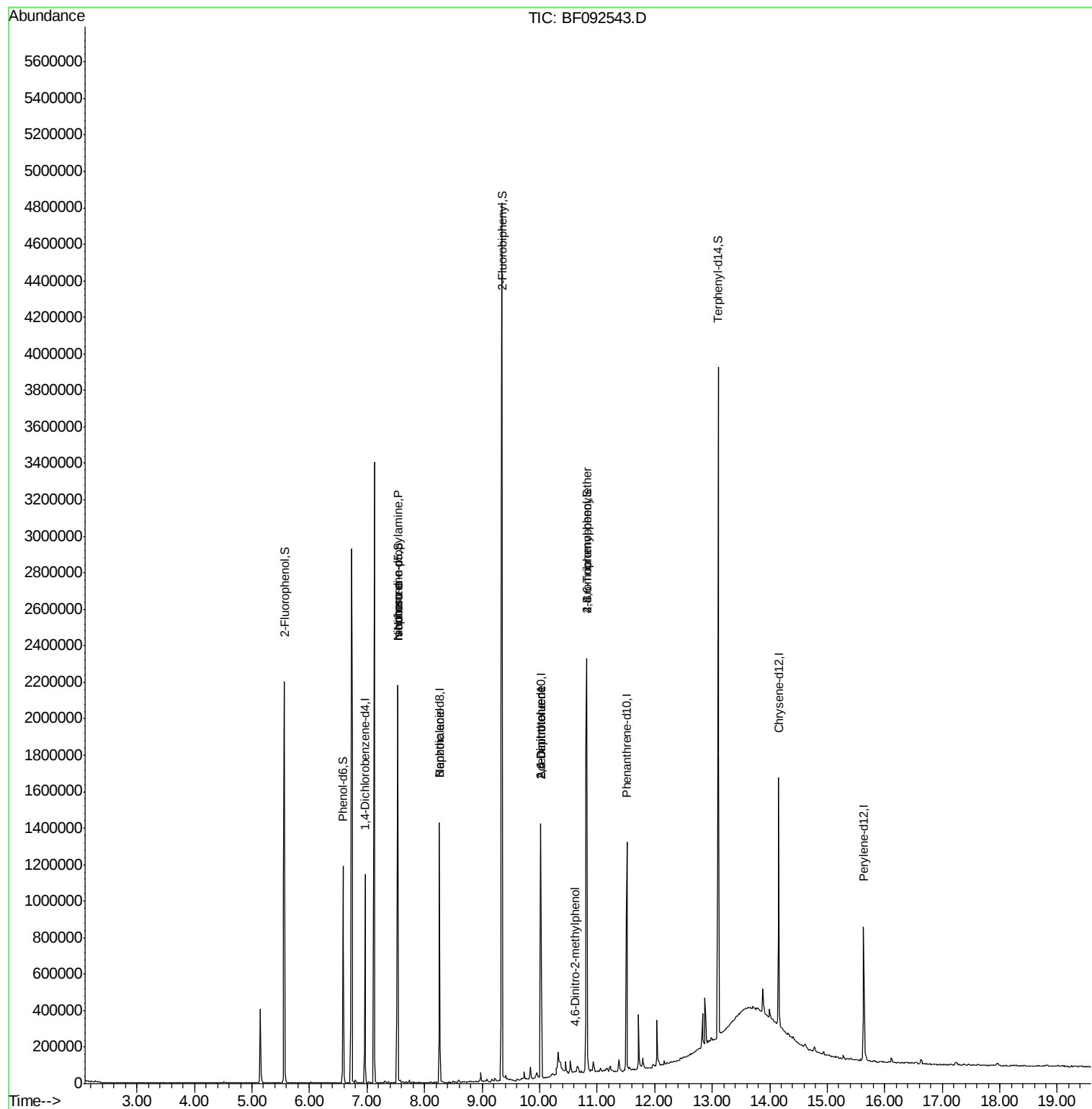
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	155306	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	619920	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	333926	20.00	ng	-0.01
63) Phenanthrene-d10	11.52	188	596714	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	504703	20.00	ng	-0.01
86) Perylene-d12	15.63	264	356252	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	644956	64.61	ng	0.01
7) Phenol-d6	6.58	99	487648	38.35	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1055411	93.00	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	354657	155.85	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1698461	94.05	ng	-0.01
78) Terphenyl-d14	13.11	244	1439632	75.96	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	138333	15.98	ng	# 77
25) Isophorone	7.54	82	963768	43.10	ng	# 65
32) Benzoic acid	8.26	122	263	4.72	ng	# 1
50) 2,6-Dinitrotoluene	10.02	165	44124	10.17	ng	# 31
56) 2,4-Dinitrotoluene	10.02	165	44127	7.66	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.61	198	260	5.02	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	26433	4.39	ng	# 1

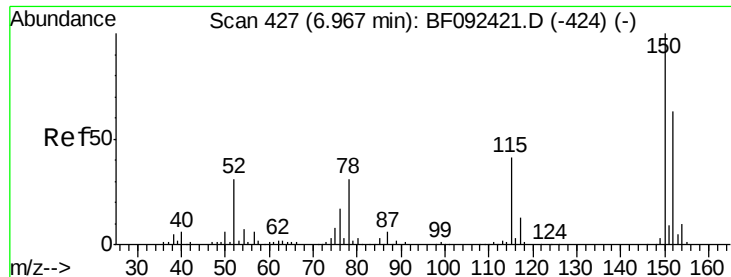
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092543.D

Acq: 26 Jan 2017 23:42

Instrument :

BNA_F

ClientSampleId :

W-32

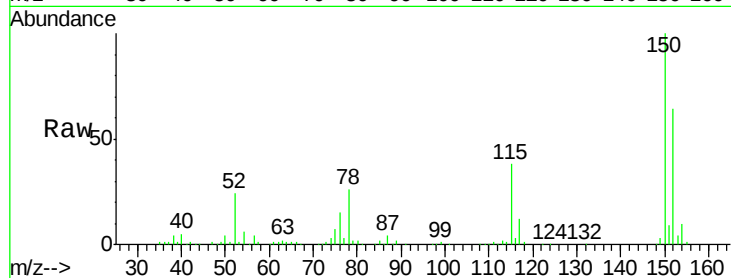
Tgt Ion:152 Resp: 155306

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

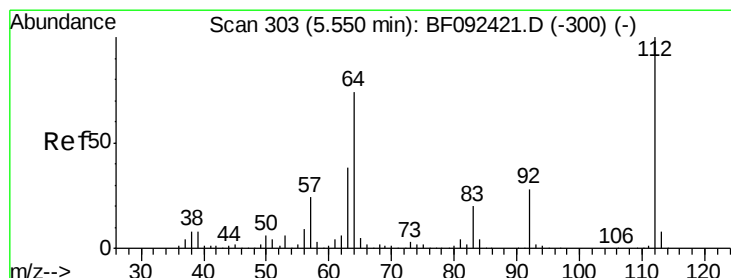
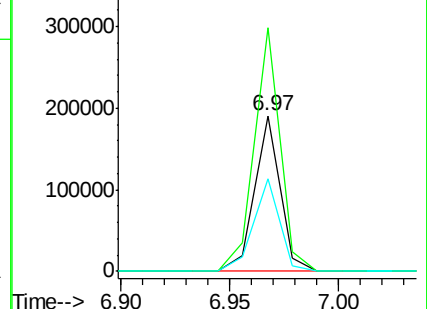
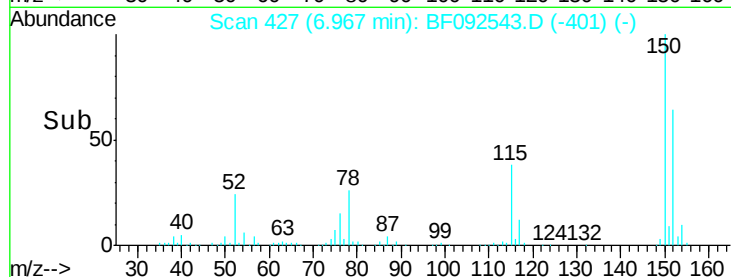
115 59.3 46.0 69.0



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: 64.61 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

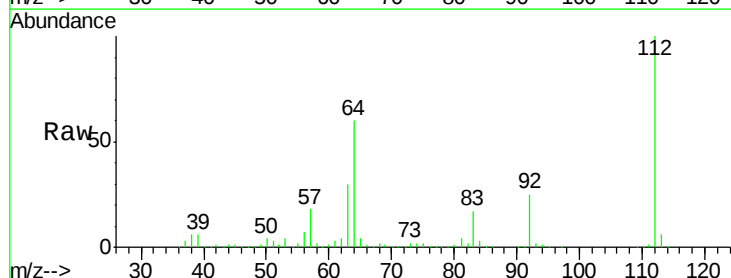
Tgt Ion:112 Resp: 644956

Ion Ratio Lower Upper

112 100

64 59.9 46.1 69.1

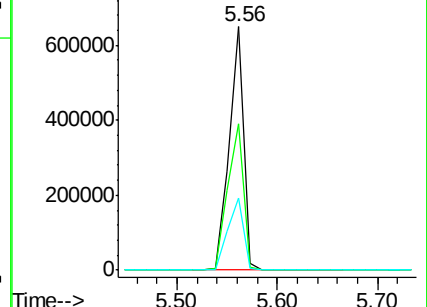
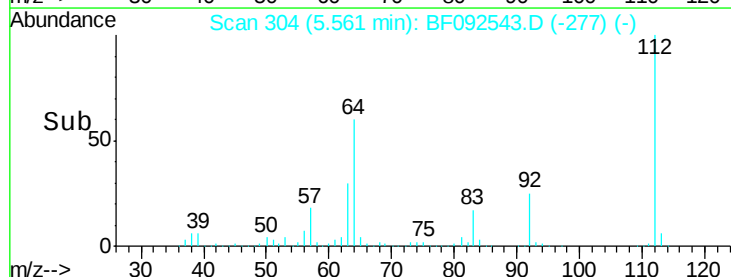
63 29.7 23.8 35.6

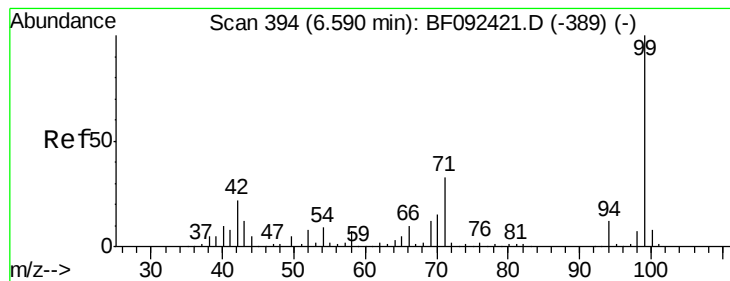


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.35 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

Instrument :

BNA_F

ClientSampleId :

W-32

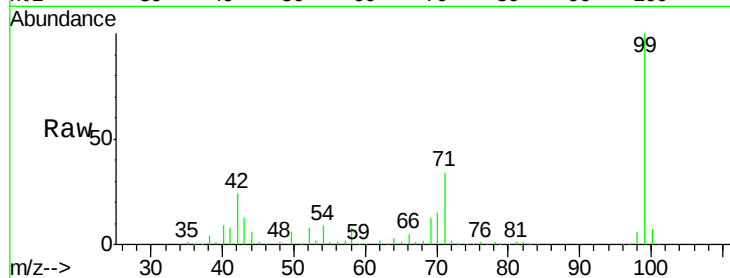
Tgt Ion: 99 Resp: 487648

Ion Ratio Lower Upper

99 100

42 23.7 15.6 23.4#

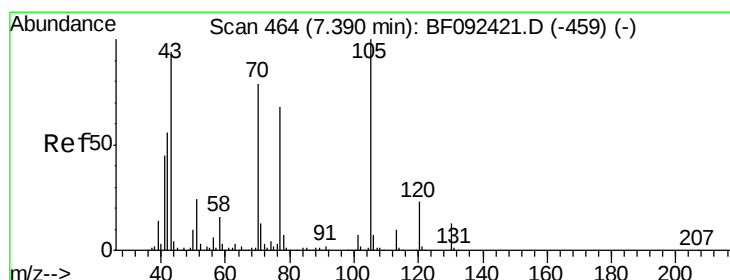
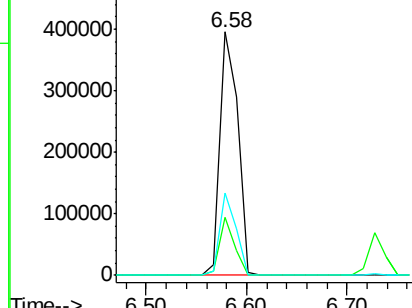
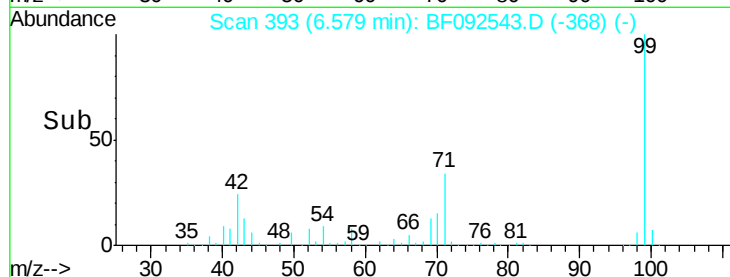
71 33.8 27.5 41.3



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: 15.98 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

Tgt Ion: 70 Resp: 138333

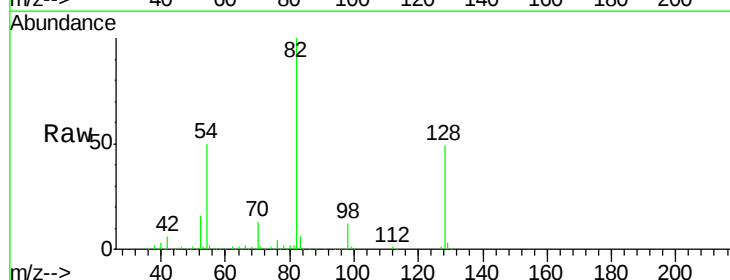
Ion Ratio Lower Upper

70 100

42 47.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.6 14.2 21.4#

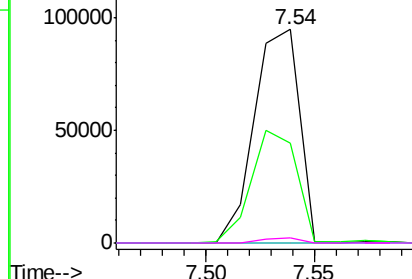
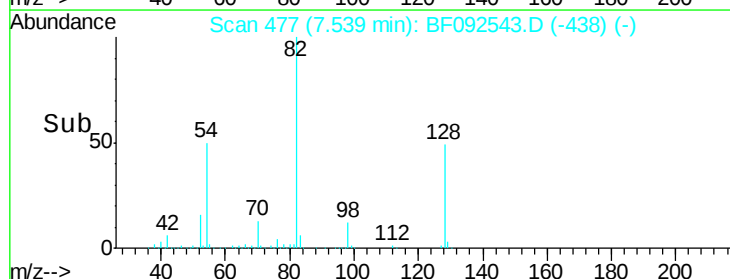


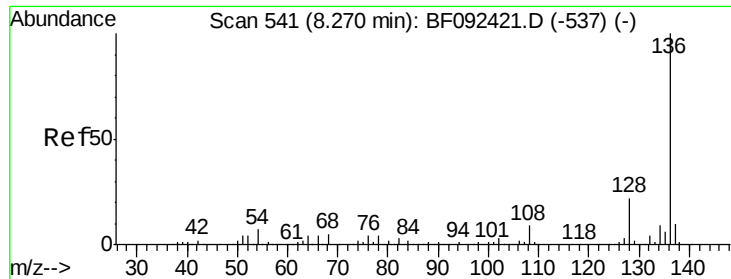
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

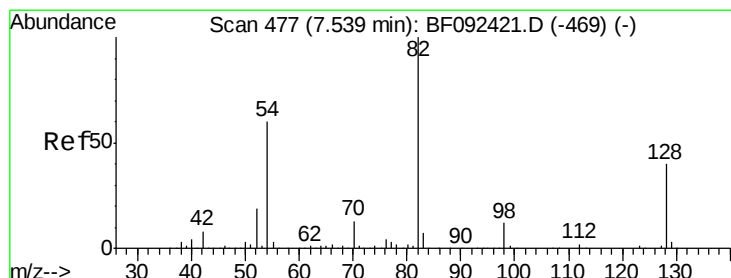
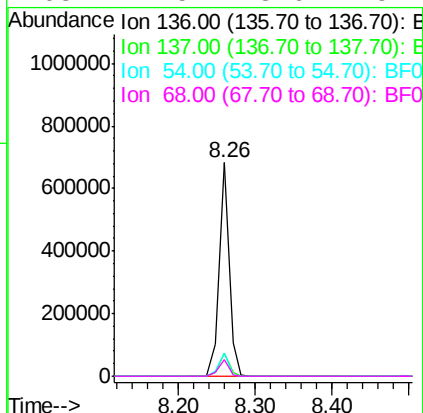
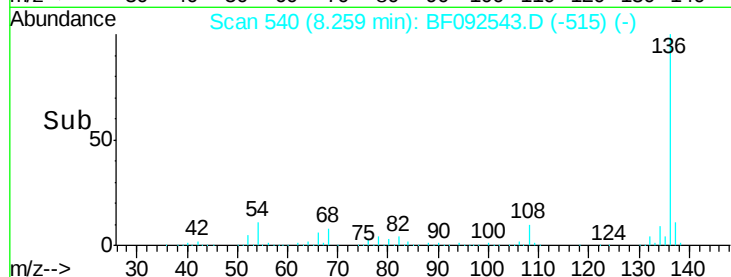
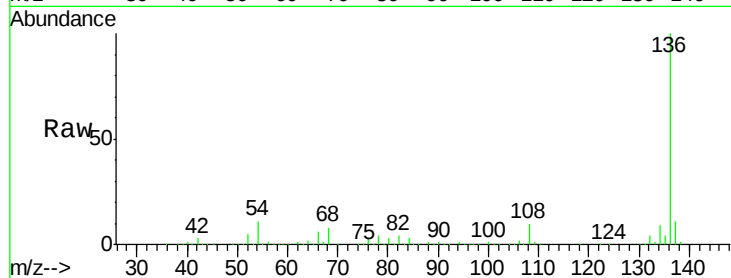




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092543.D
Acq: 26 Jan 2017 23:42

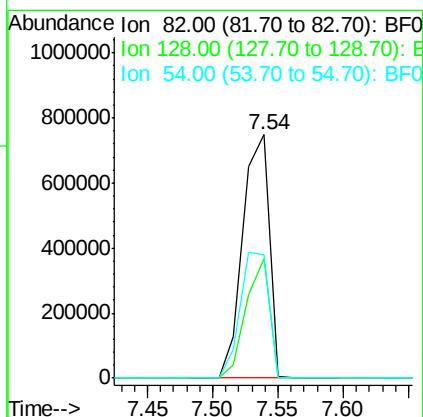
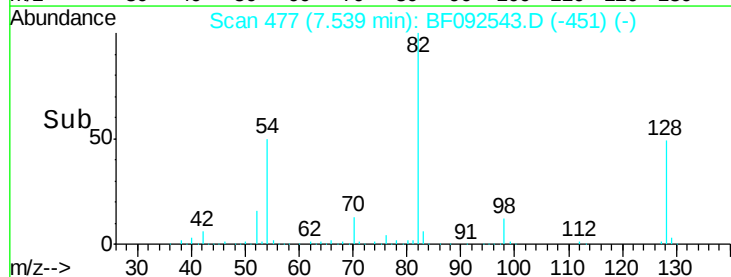
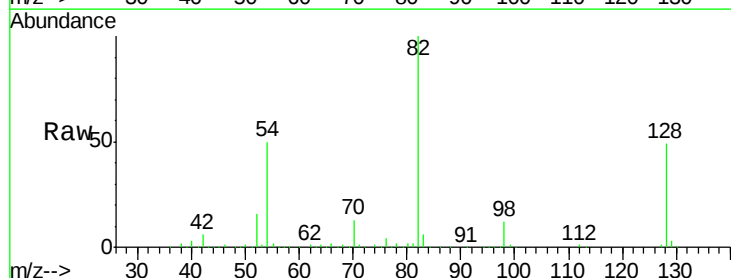
Instrument :
BNA_F
ClientSampleId :
W-32

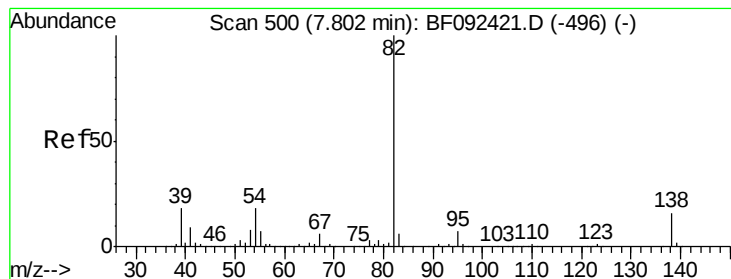
Tgt Ion: 136 Resp: 619920
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 10.7 4.5 6.7#
68 7.5 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 93.00 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF092543.D
Acq: 26 Jan 2017 23:42

Tgt Ion: 82 Resp: 1055411
Ion Ratio Lower Upper
82 100
128 49.2 34.6 52.0
54 50.5 39.5 59.3





#25

Isophorone

Concen: 43.10 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

Instrument :

BNA_F

ClientSampled :

W-32

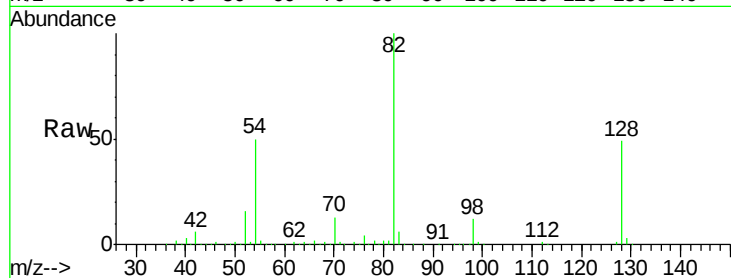
Tgt Ion: 82 Resp: 963768

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

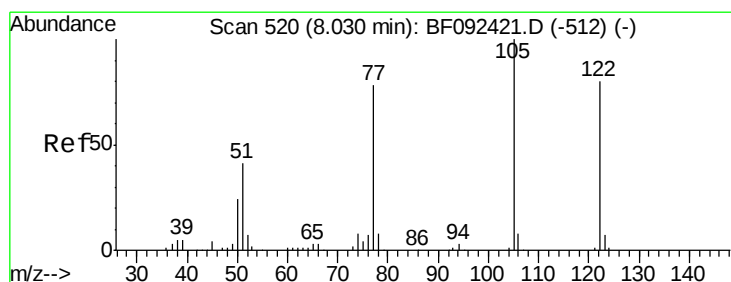
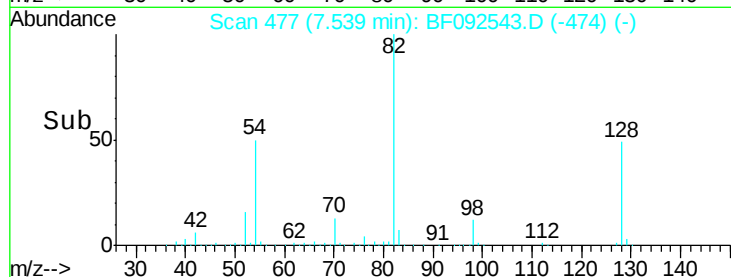
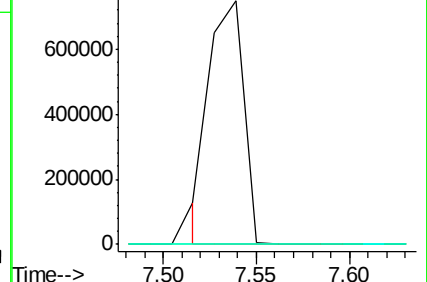
138 0.0 14.6 22.0#



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



#32

Benzoic acid

Concen: 4.72 ng

RT: 8.26 min Scan# 540

Delta R.T. 0.23 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

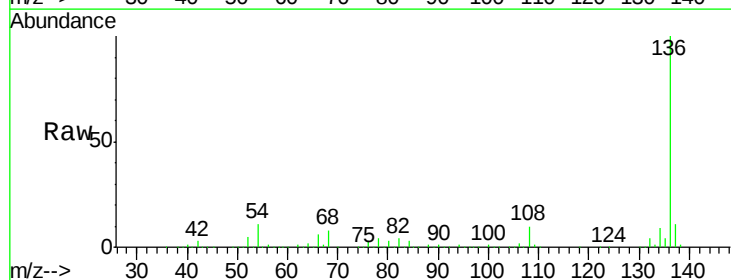
Tgt Ion: 122 Resp: 263

Ion Ratio Lower Upper

122 100

105 193.5 107.2 147.2#

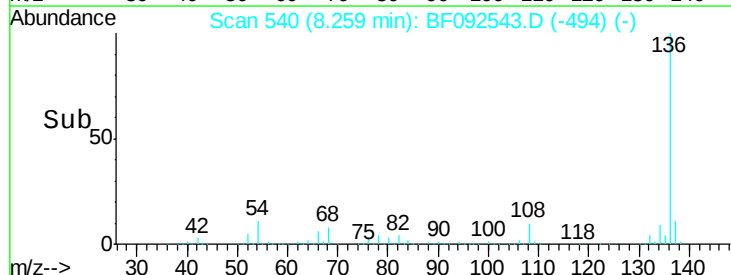
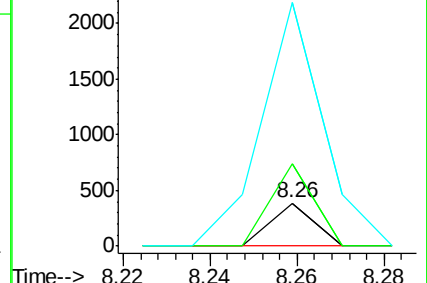
77 569.8 74.5 114.5#

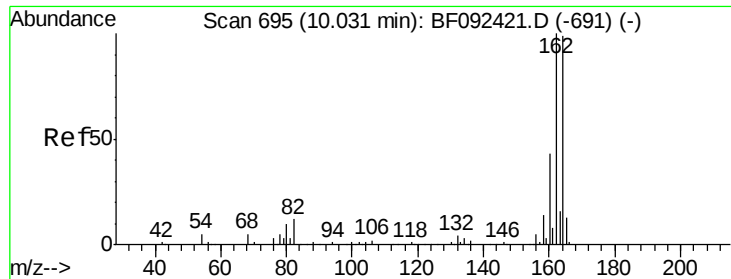


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

Instrument :

BNA_F

ClientSampleId :

W-32

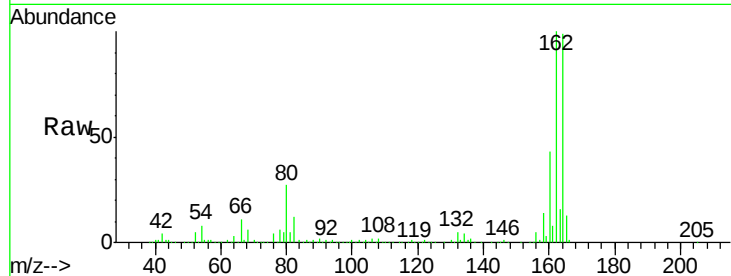
Tgt Ion:164 Resp: 333926

Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.2

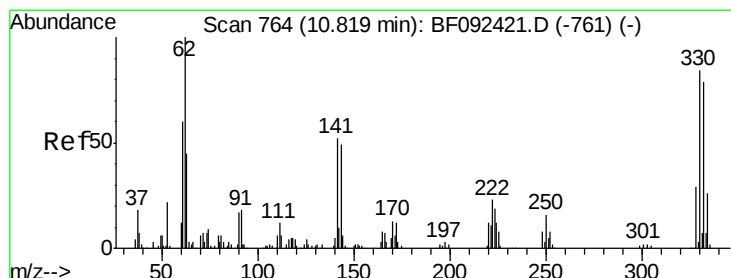
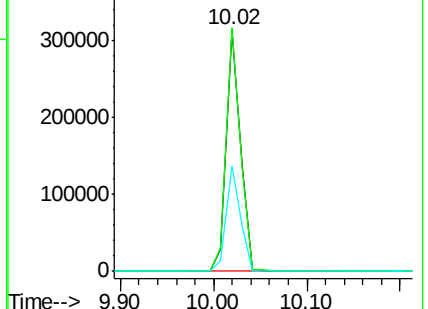
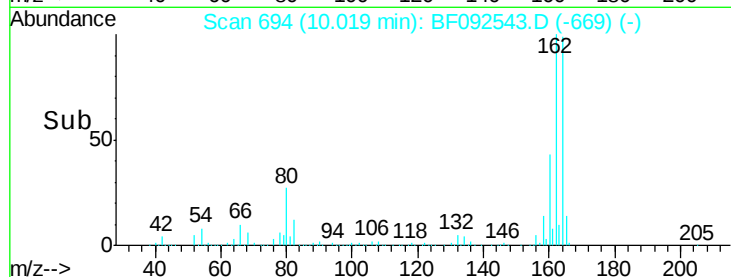
160 43.8 36.9 55.3



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: 155.85 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

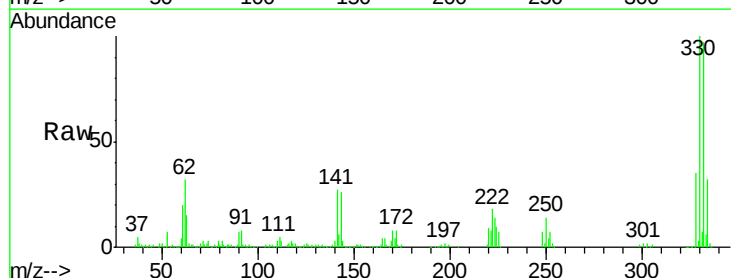
Tgt Ion:330 Resp: 354657

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

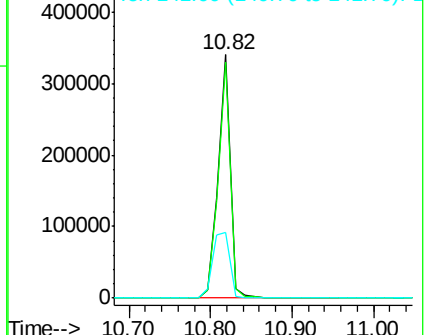
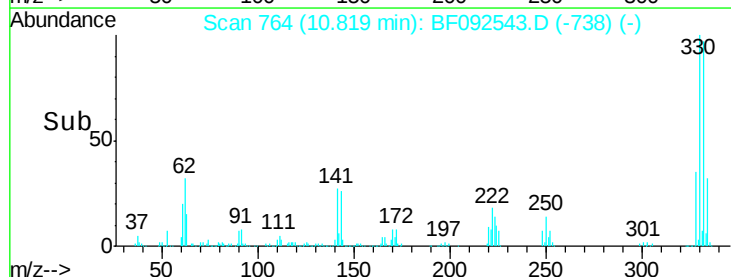
141 39.3 34.1 51.1

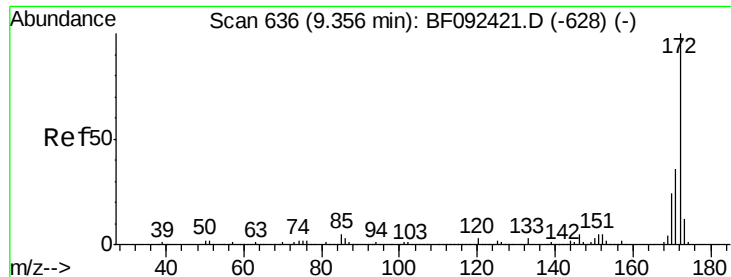


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

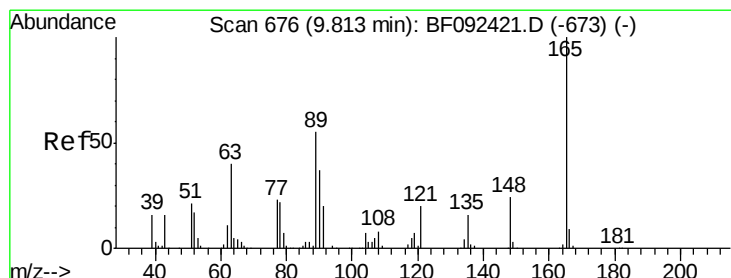
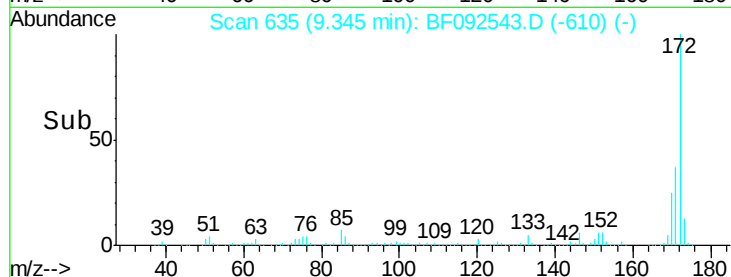
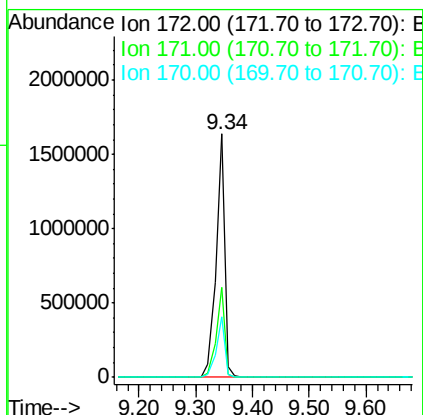
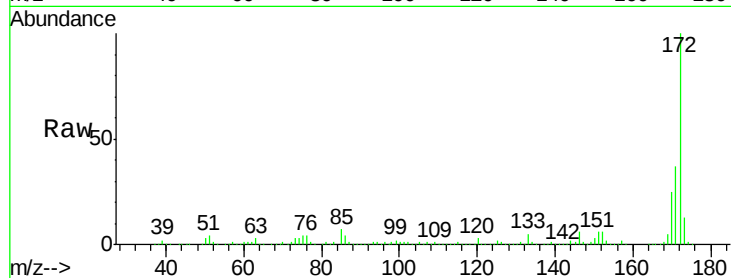




#44
 2-Fluorobiphenyl
 Concen: 94.05 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092543.D
 Acq: 26 Jan 2017 23:42

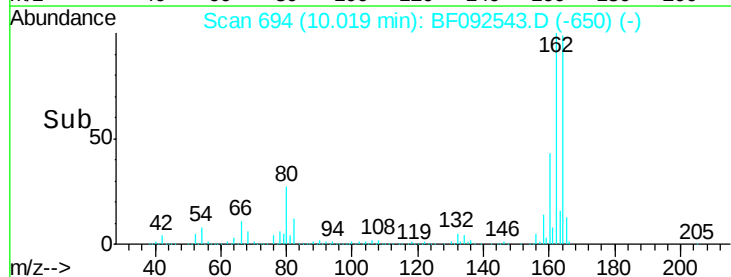
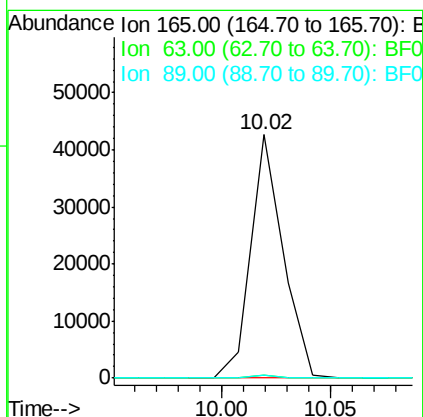
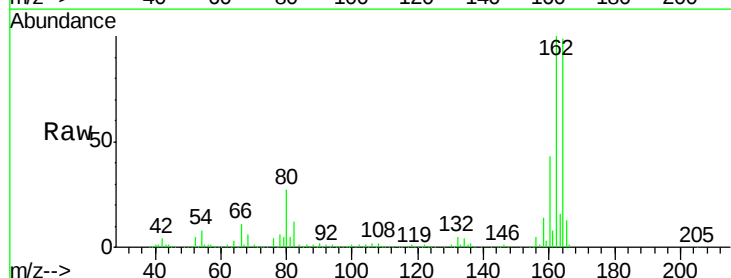
Instrument :
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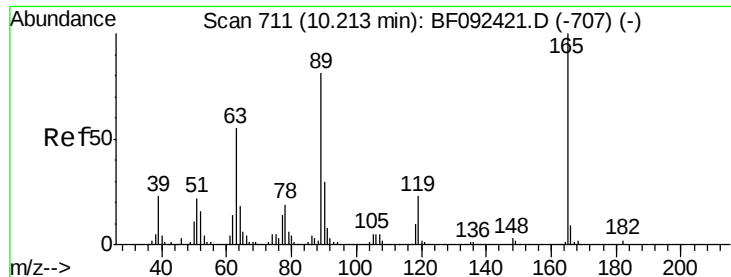
Tgt Ion:172 Resp: 1698461
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.9 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 10.17 ng
 RT: 10.02 min Scan# 694
 Delta R.T. 0.21 min
 Lab File: BF092543.D
 Acq: 26 Jan 2017 23:42

Tgt Ion:165 Resp: 44124
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.2 54.4#
 89 1.3 40.2 60.4#

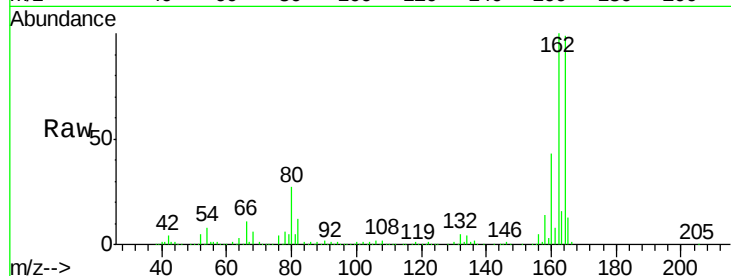




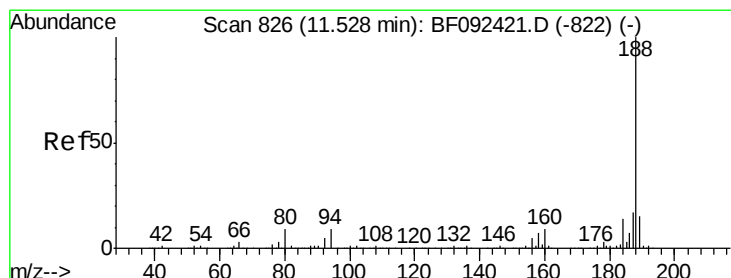
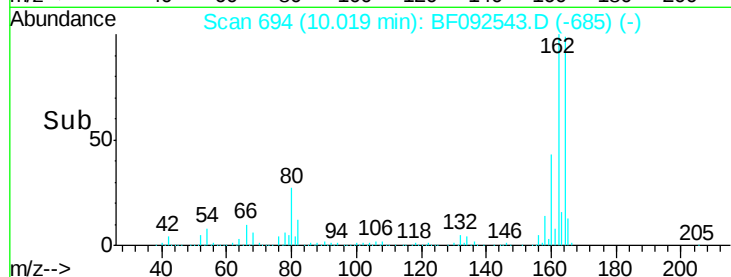
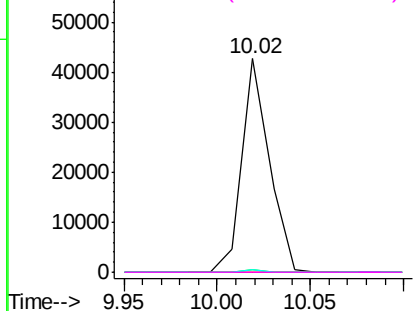
#56
2,4-Dinitrotoluene
Concen: 7.66 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.19 min
Lab File: BF092543.D
Acq: 26 Jan 2017 23:42

Instrument :
BNA_F
ClientSampleId :
W-32

Tgt Ion:165 Resp: 44127
Ion Ratio Lower Upper
165 100
63 1.4 40.2 60.4#
89 1.3 62.5 93.7#
182 0.0 1.8 2.8#

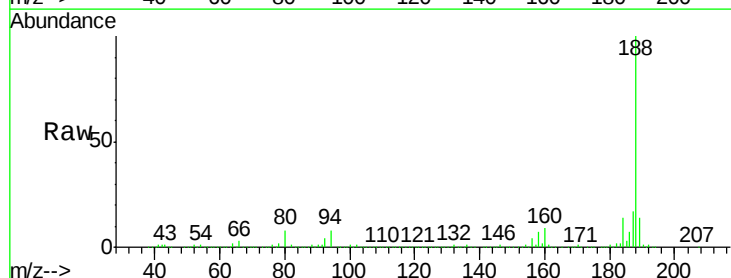


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

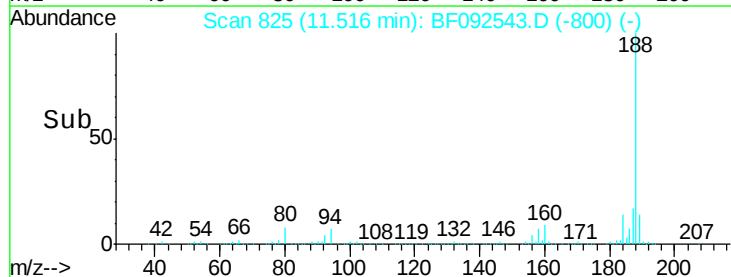
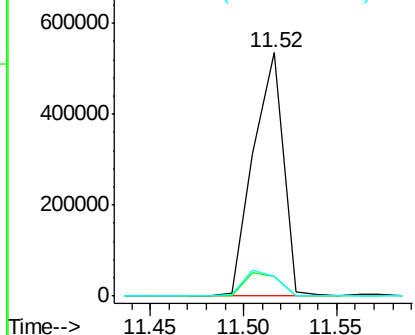


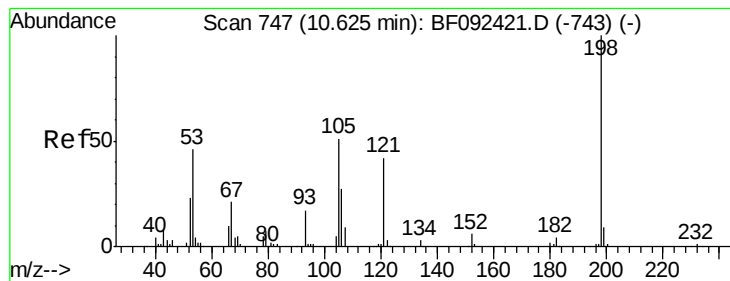
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092543.D
Acq: 26 Jan 2017 23:42

Tgt Ion:188 Resp: 596714
Ion Ratio Lower Upper
188 100
94 8.1 10.0 15.0#
80 8.0 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: 5.02 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

Instrument :

BNA_F

ClientSampled :

W-32

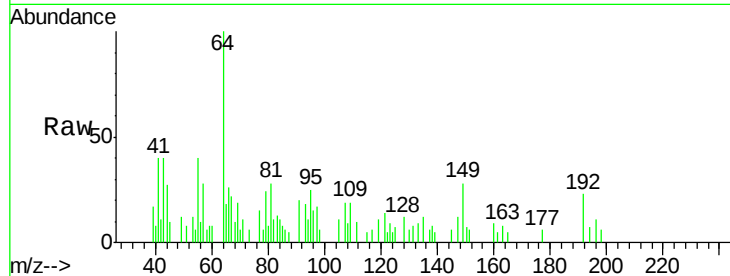
Tgt Ion:198 Resp: 260

Ion Ratio Lower Upper

198 100

51 133.5 6.7 46.7#

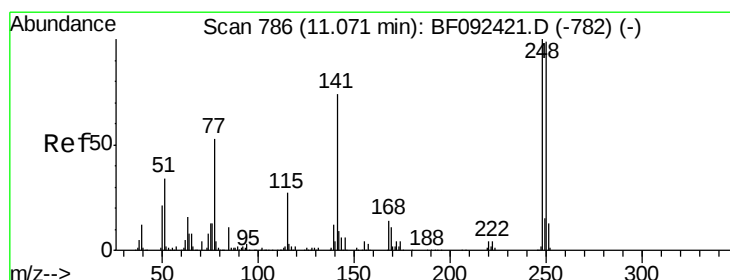
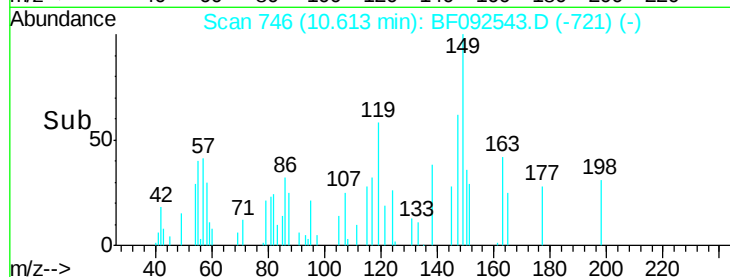
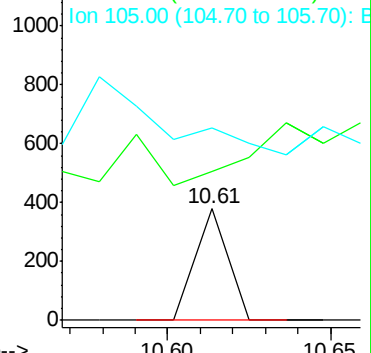
105 172.3 16.6 56.6#



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: 4.39 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

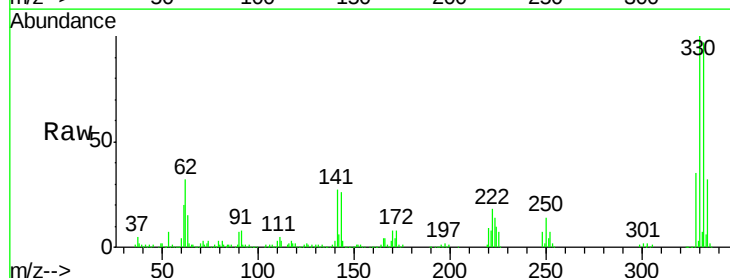
Tgt Ion:248 Resp: 26433

Ion Ratio Lower Upper

248 100

250 208.1 76.9 115.3#

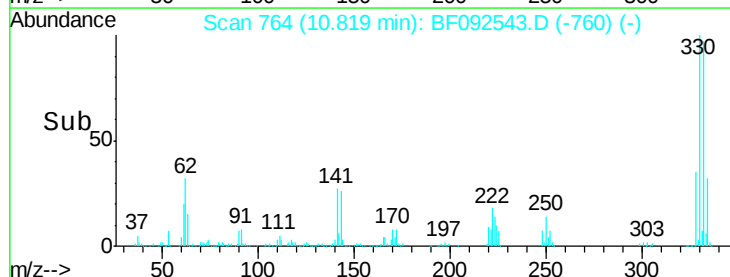
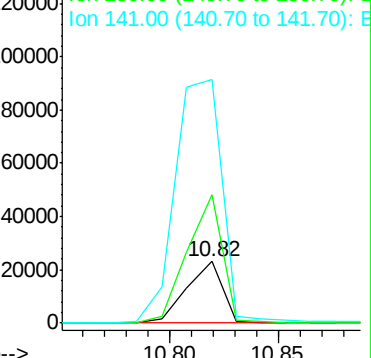
141 395.5 68.2 102.4#

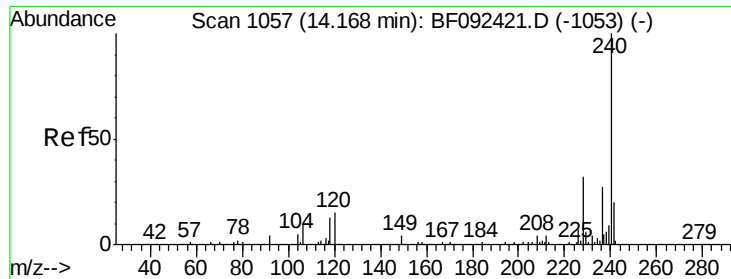


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

Instrument :

BNA_F

ClientSampleId :

W-32

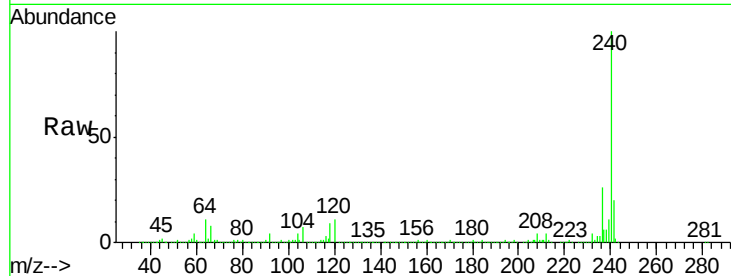
Tgt Ion:240 Resp: 504703

Ion Ratio Lower Upper

240 100

120 10.6 12.9 19.3#

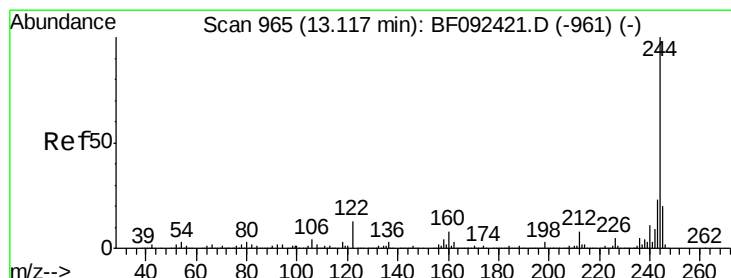
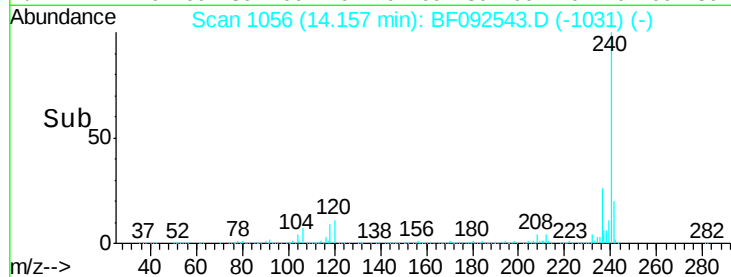
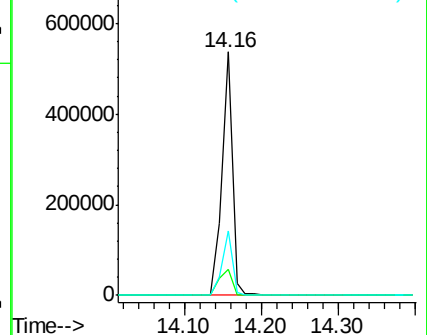
236 26.3 20.9 31.3



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: 75.96 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092543.D

Acq: 26 Jan 2017 23:42

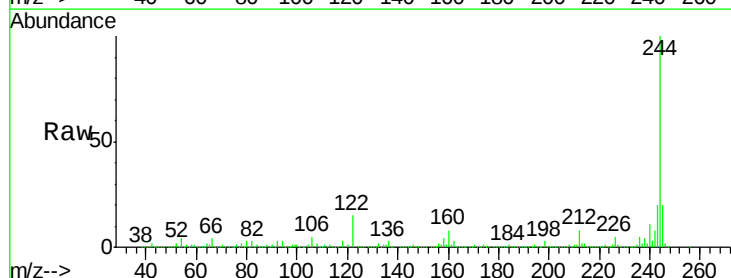
Tgt Ion:244 Resp: 1439632

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

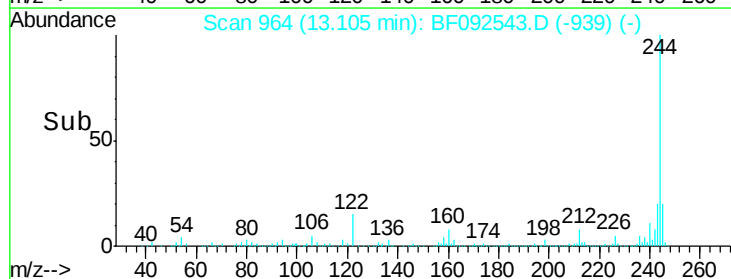
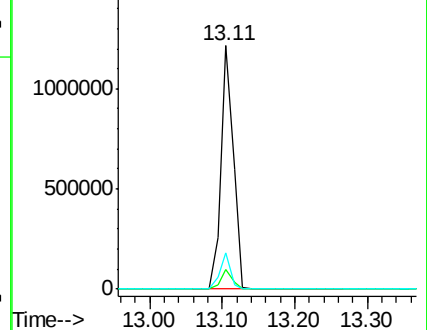
122 14.6 11.4 17.2

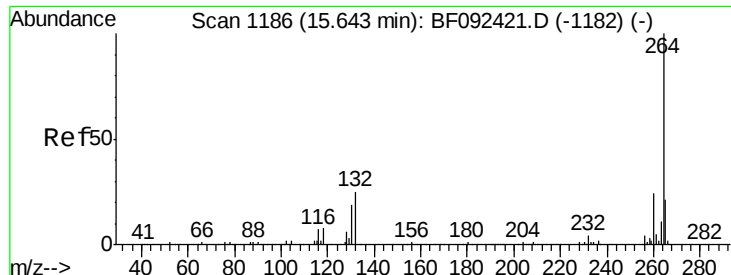


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092543.D
Acq: 26 Jan 2017 23:42

Instrument :
BNA_F
ClientSampleId :
W-32

Tgt Ion: 264 Resp: 356252
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.9 17.4 26.0

