

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
 Data File : BF092479.D
 Acq On : 25 Jan 2017 16:27
 Operator : SJ/MA
 Sample : PB96304BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

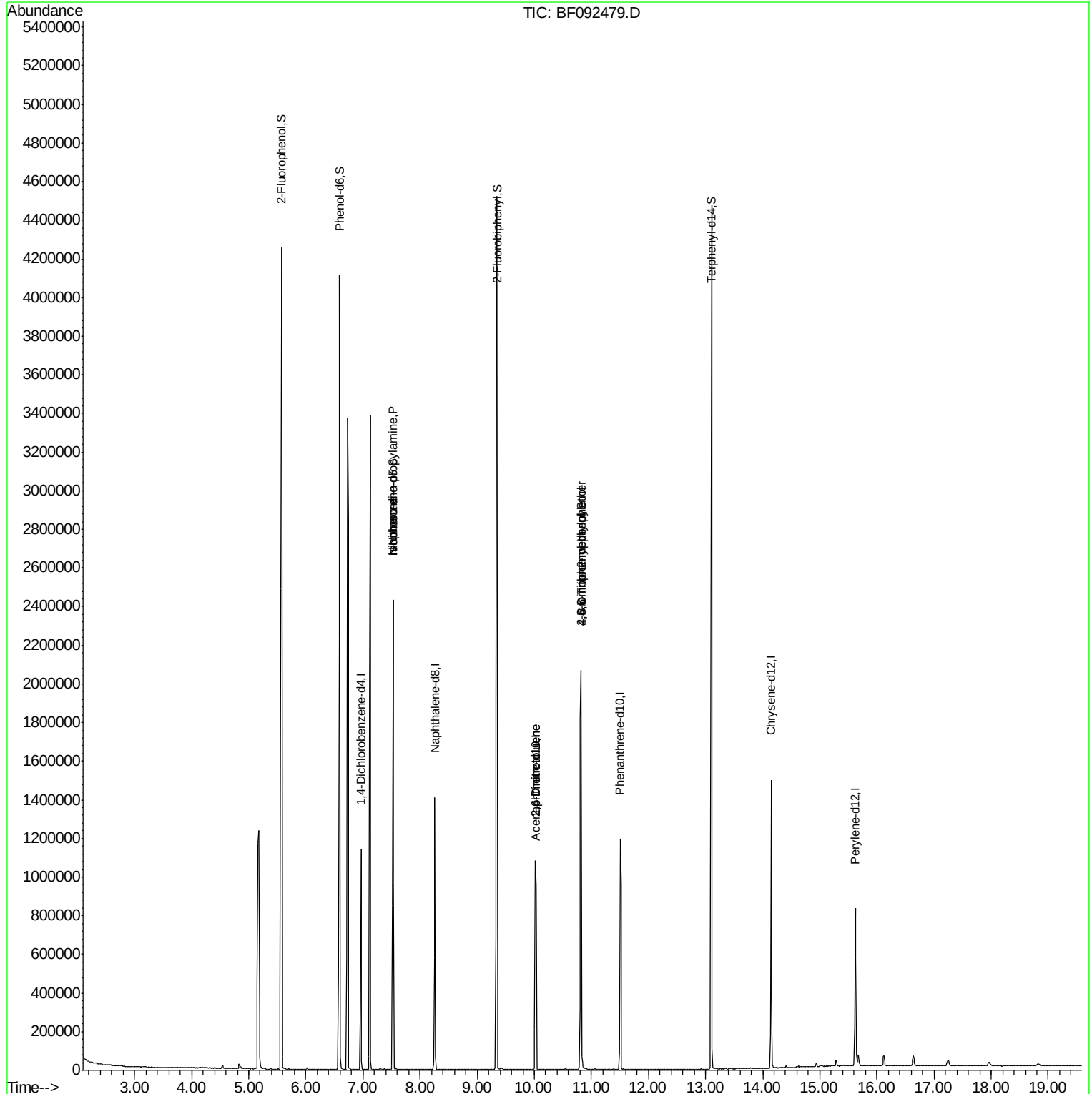
Quant Time: Jan 25 17:24:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

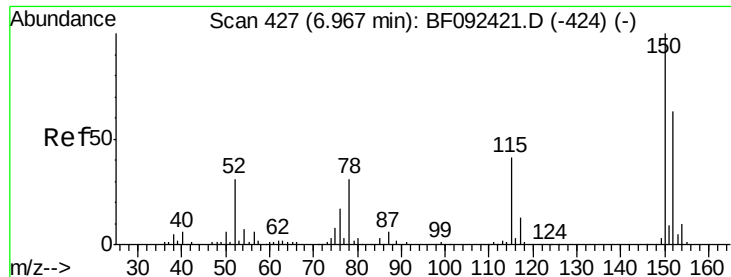
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	170653	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	699999	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	369066	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	616652	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	506284	20.00	ng	-0.02
86) Perylene-d12	15.62	264	416497	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1330923	121.34	ng	0.02
7) Phenol-d6	6.59	99	1613319	115.47	ng	0.00
23) Nitrobenzene-d5	7.53	82	987139	77.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	357444	142.12	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1721662	86.26	ng	-0.01
78) Terphenyl-d14	13.11	244	1625896	85.52	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	130545	13.72	ng	# 82
25) Isophorone	7.53	82	789631	31.27	ng	# 65
50) 2,6-Dinitrotoluene	10.02	165	46413	9.68	ng	# 31
56) 2,4-Dinitrotoluene	10.02	165	46413	7.29	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.82	198	825	5.17	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	26343	4.23	ng	# 1

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\  
Data File : BF092479.D  
Acq On    : 25 Jan 2017  16:27  
Operator  : SJ/MA  
Sample    : PB96304BL  
Misc      :  
ALS Vial  : 17      Sample Multiplier: 1
```

Quant Time: Jan 25 17:24:26 2017
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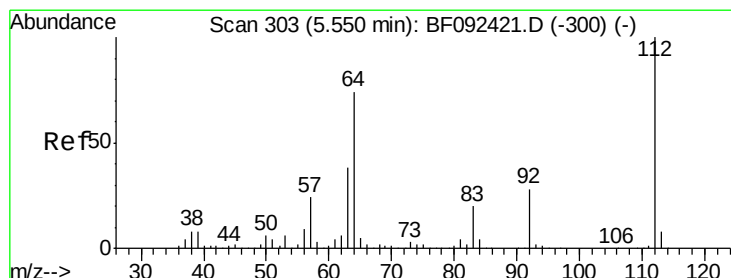
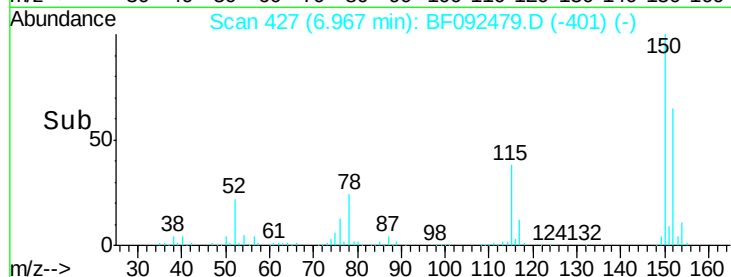
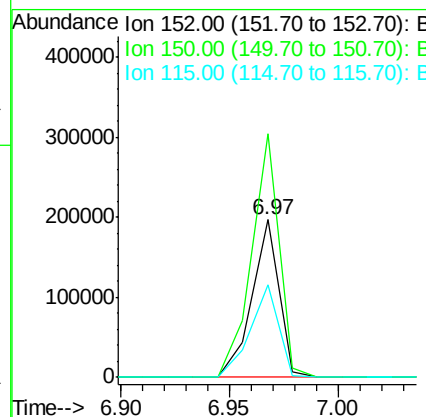
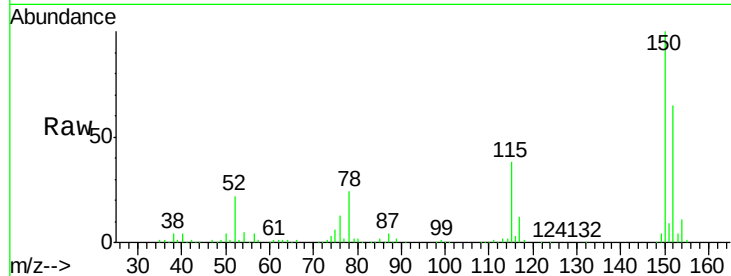


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092479.D
Acq: 25 Jan 2017 16:27

Instrument :
BNA_F
ClientSampleId :

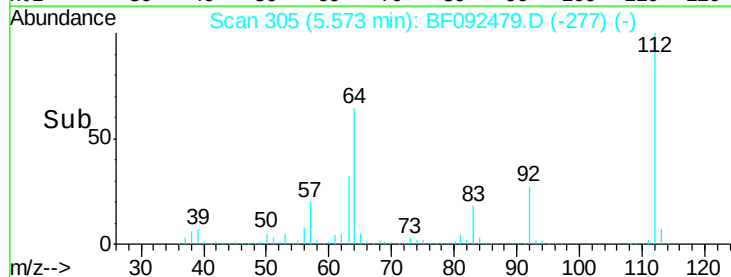
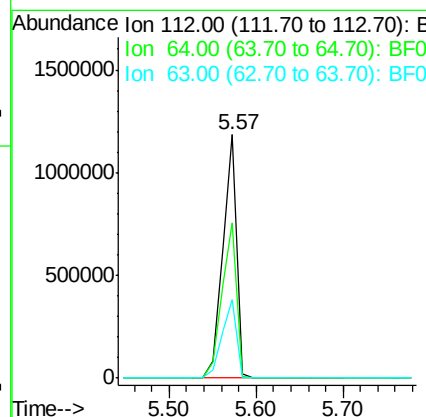
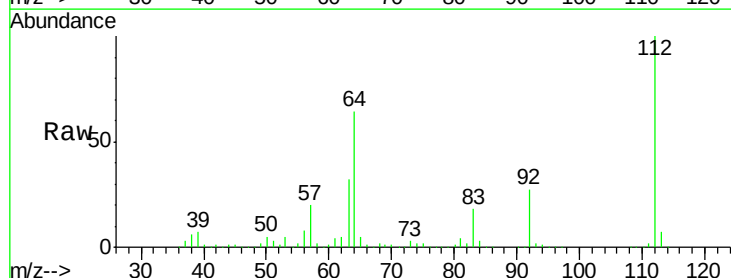
Tot Ion:152 Resp: 170653
Ion Ratio Lower Upper
152 100
150 154.3 124.9 187.3
115 58.8 46.0 69.0

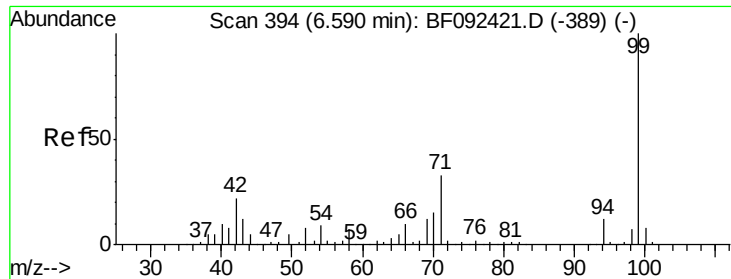


#5

2-Fluorophenol
Concen: 121.34 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092479.D
Acq: 25 Jan 2017 16:27

Tgt Ion:112 Resp: 1330923
Ion Ratio Lower Upper
112 100
64 63.8 46.1 69.1
63 32.4 23.8 35.6





#7

Phenol-d6

Concen: 115.47 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092479.D

Acq: 25 Jan 2017 16:27

Instrument :
BNA_F
ClientSampleId :

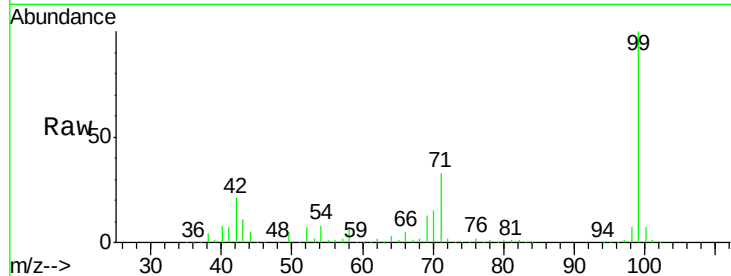
Tot Ion: 99 Resp: 1613319

Ion Ratio Lower Upper

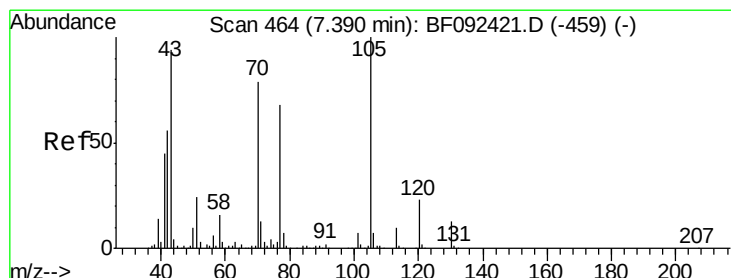
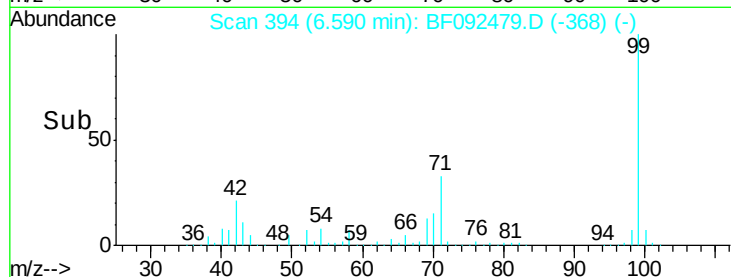
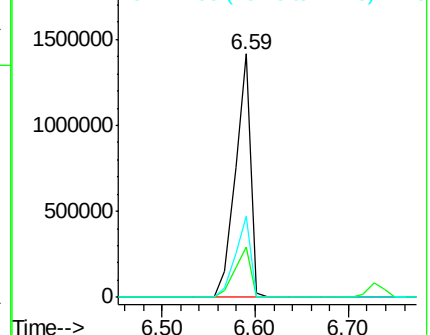
99 100

42 20.6 15.6 23.4

71 33.4 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: 13.72 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF092479.D

Acq: 25 Jan 2017 16:27

Tgt Ion: 70 Resp: 130545

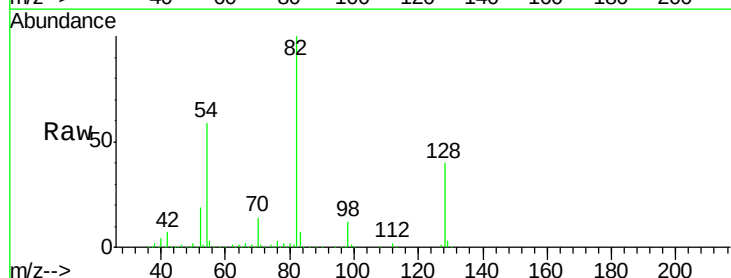
Ion Ratio Lower Upper

70 100

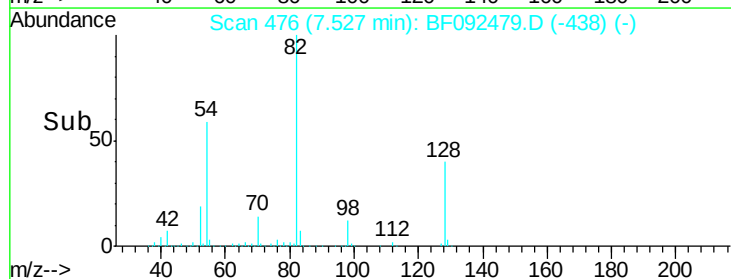
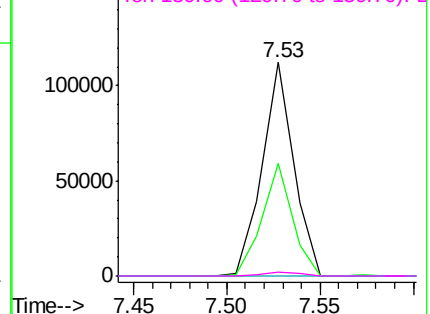
42 52.6 49.4 74.0

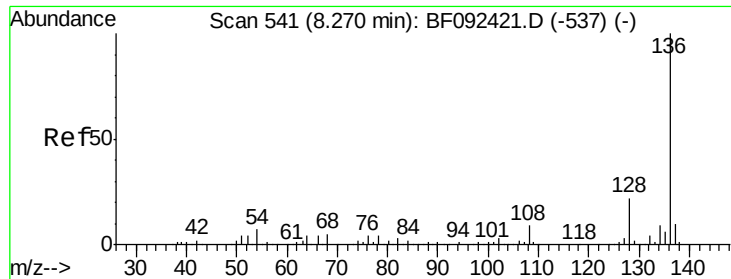
101 0.0 7.4 11.2#

130 1.8 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

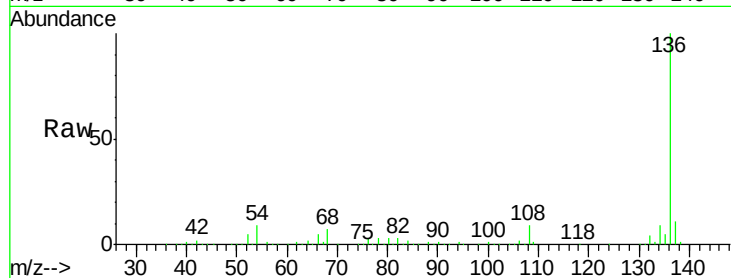




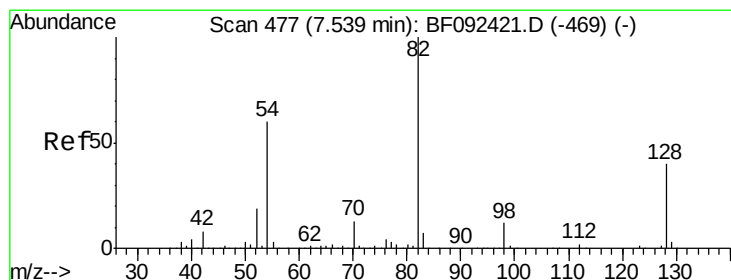
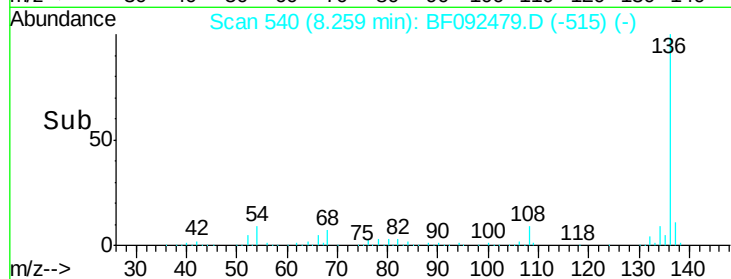
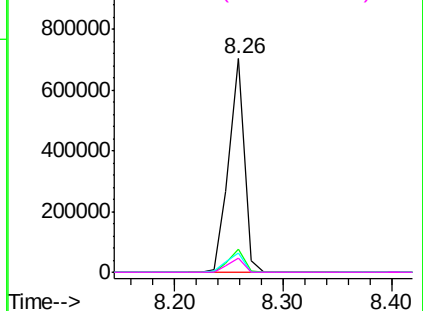
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092479.D
Acq: 25 Jan 2017 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	699999
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.4 12.6
54	9.1	4.5 6.7#
68	6.6	3.6 5.4#

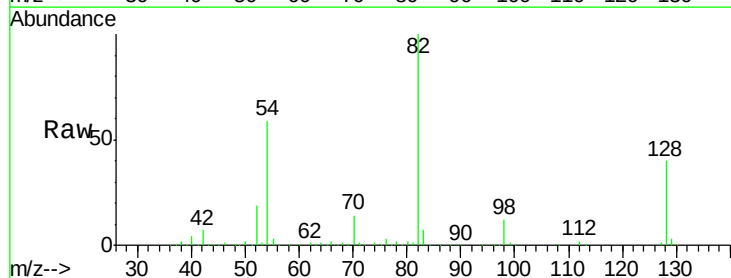


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

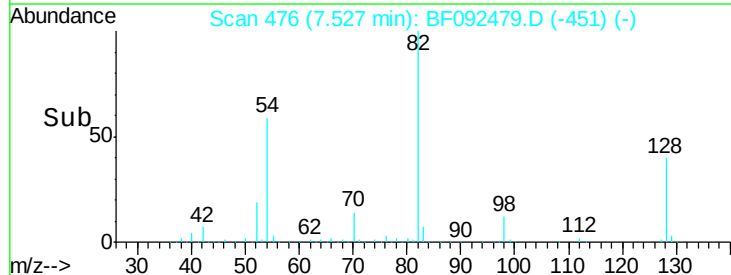
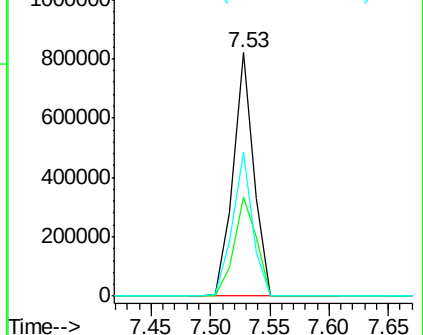


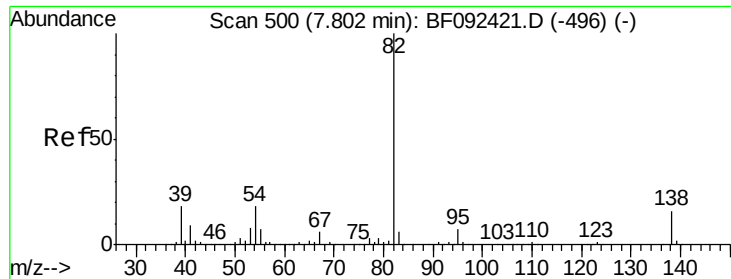
#23
Nitrobenzene-d5
Concen: 77.03 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092479.D
Acq: 25 Jan 2017 16:27

Tgt Ion: 82	Resp:	987139
Ion Ratio	Lower	Upper
82	100	
128	40.5	34.6 52.0
54	58.8	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





#25

Isophorone

Concen: 31.27 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF092479.D

Acq: 25 Jan 2017 16:27

Instrument :

BNA_F

ClientSampleId :

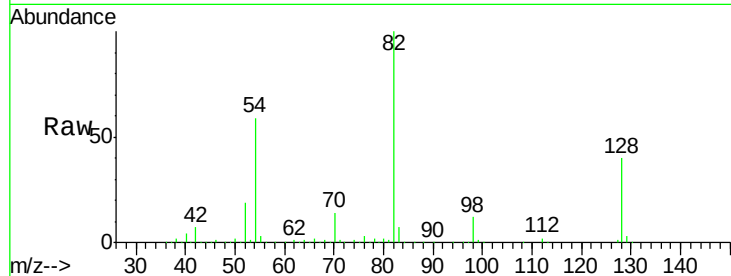
Tot Ion: 82 Resp: 789631

Ion Ratio Lower Upper

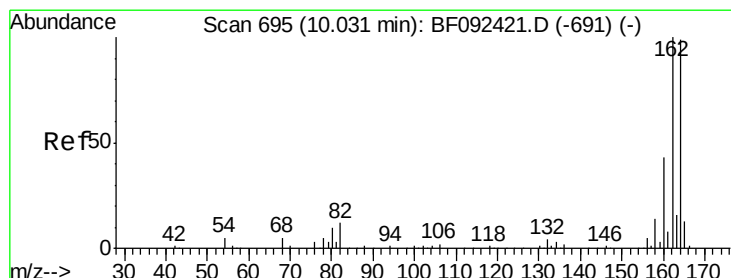
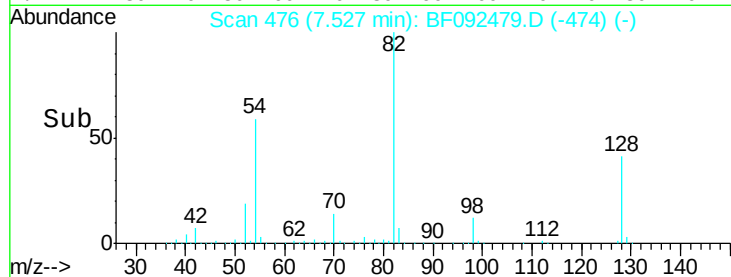
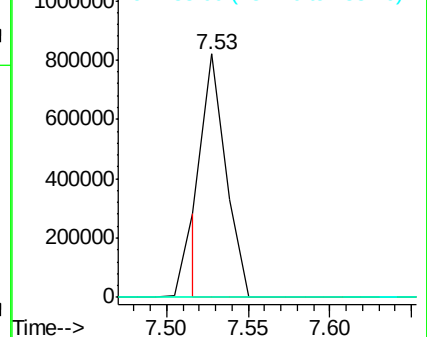
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF092479.D

Acq: 25 Jan 2017 16:27

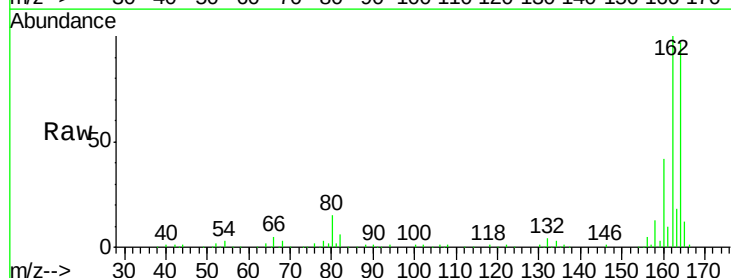
Tgt Ion:164 Resp: 369066

Ion Ratio Lower Upper

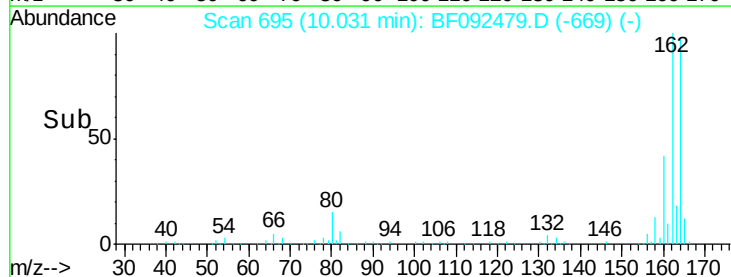
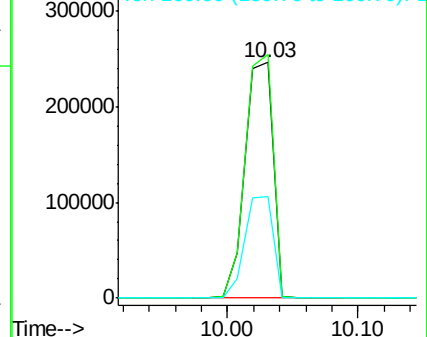
164 100

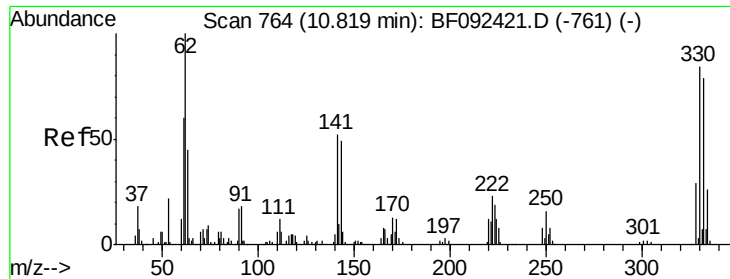
162 103.4 80.2 120.2

160 43.3 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: 142.12 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092479.D

Acq: 25 Jan 2017 16:27

Instrument :

BNA_F

ClientSampleId :

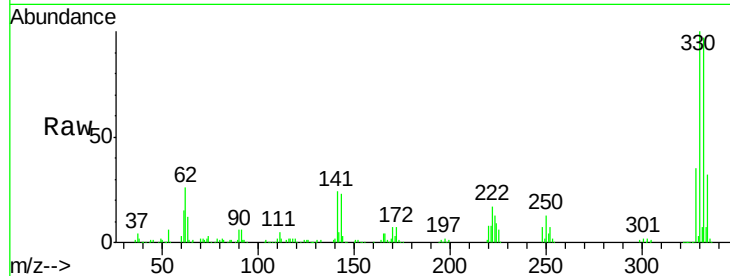
Tot Ion:330 Resp: 357444

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

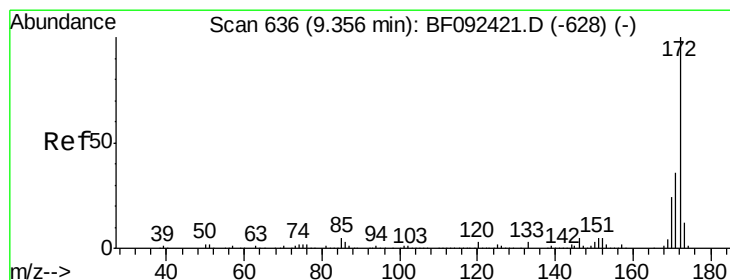
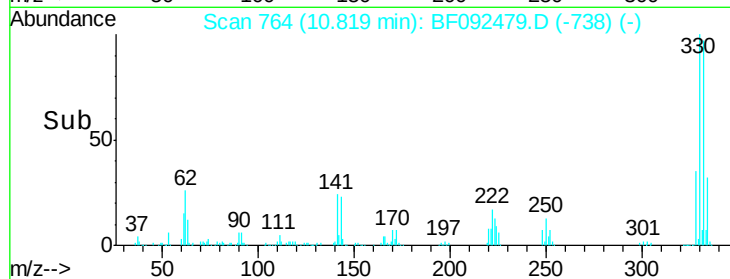
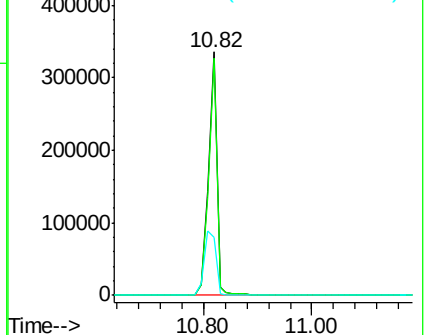
141 36.7 34.1 51.1



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: 86.26 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092479.D

Acq: 25 Jan 2017 16:27

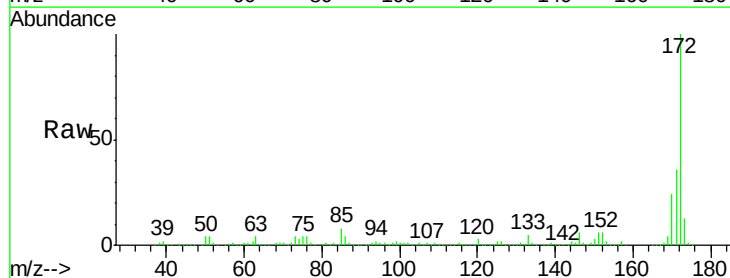
Tgt Ion:172 Resp: 1721662

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

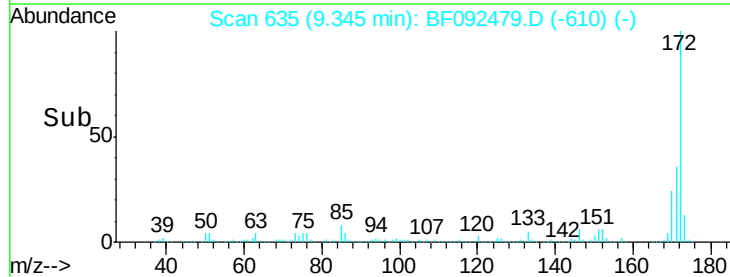
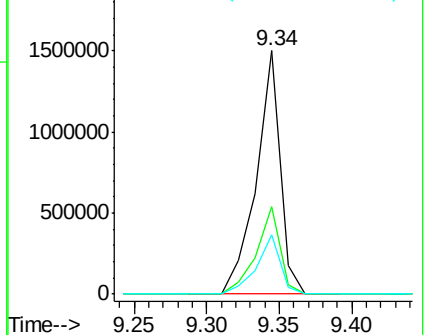
170 24.3 20.2 30.4

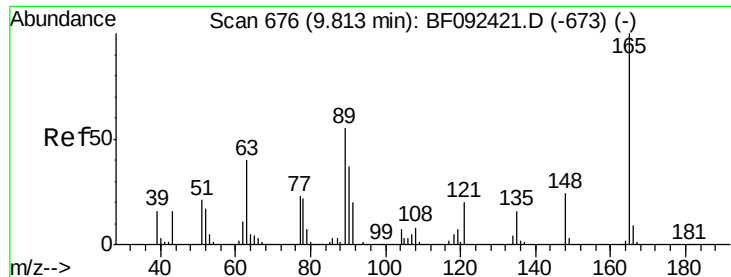


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

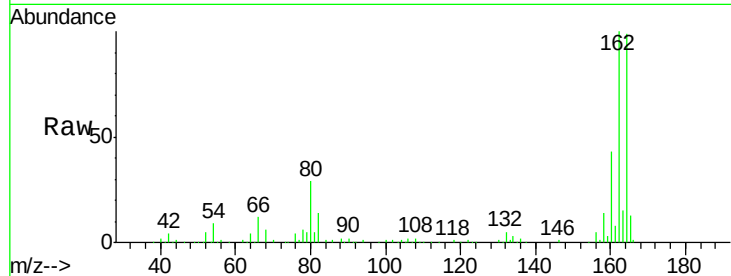




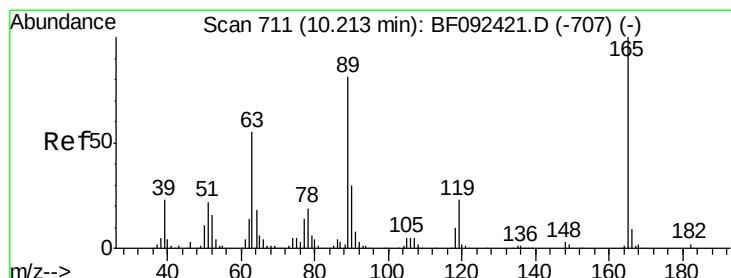
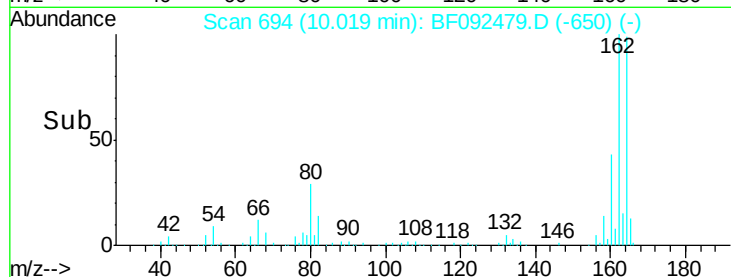
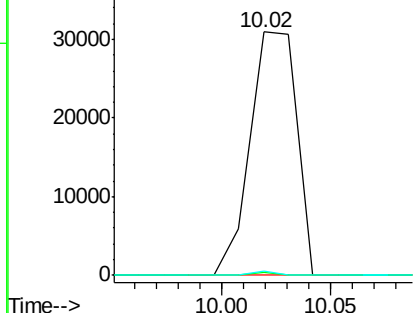
#50
 2,6-Dinitrotoluene
 Concen: 9.68 ng
 RT: 10.02 min Scan# 694
 Delta R.T. 0.21 min
 Lab File: BF092479.D
 Acq: 25 Jan 2017 16:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.2	54.4#
89	1.6	40.2	60.4#



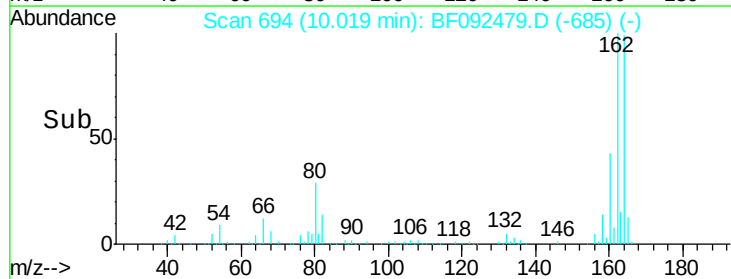
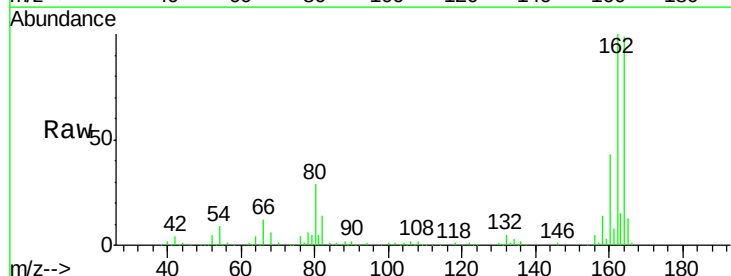
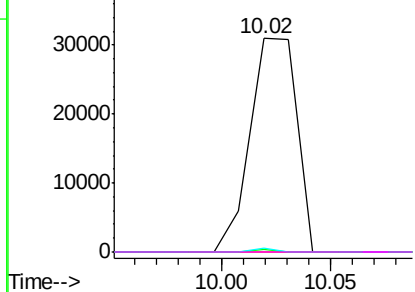
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

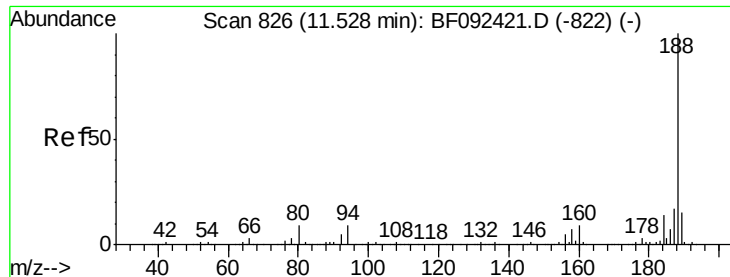


#56
 2,4-Dinitrotoluene
 Concen: 7.29 ng
 RT: 10.02 min Scan# 694
 Delta R.T. -0.19 min
 Lab File: BF092479.D
 Acq: 25 Jan 2017 16:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.2	60.4#
89	1.6	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

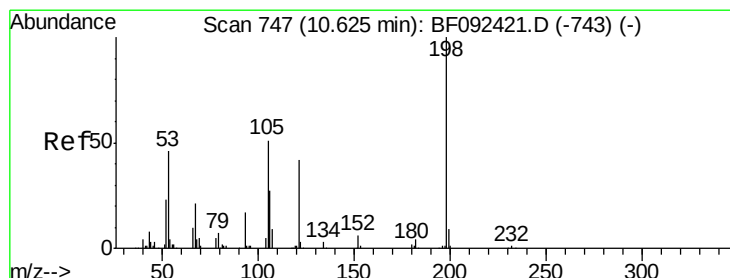
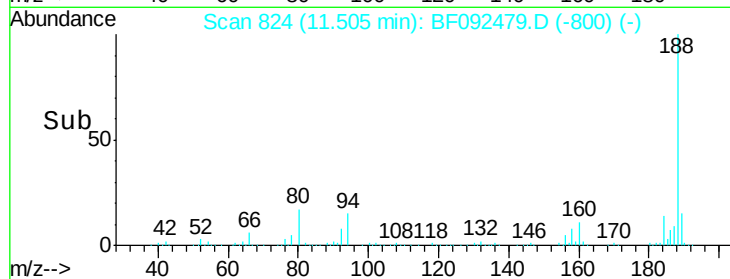
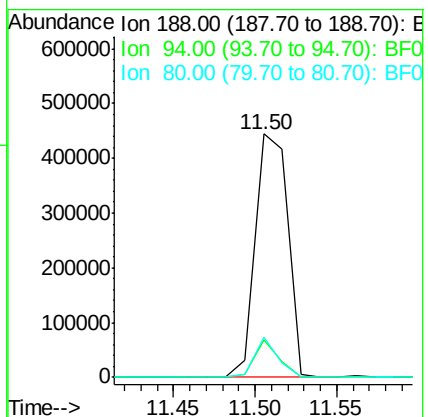
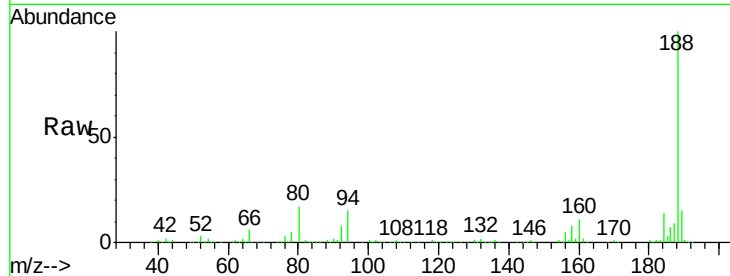




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF092479.D
 Acq: 25 Jan 2017 16:27

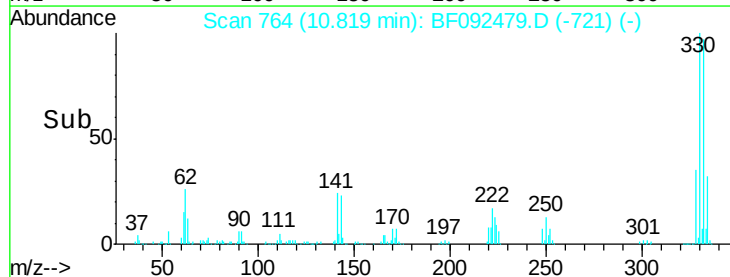
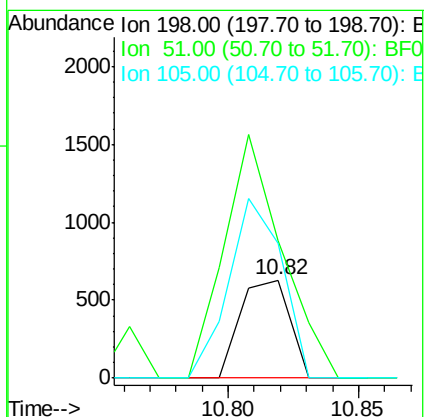
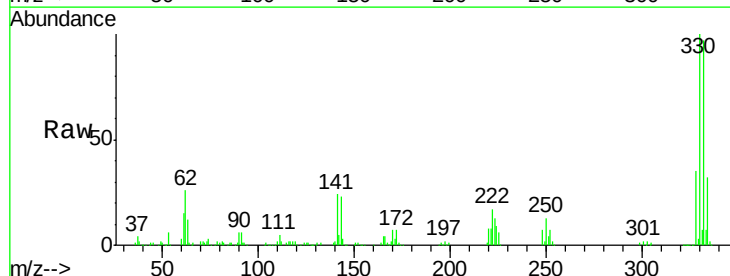
Instrument :
 BNA_F
 ClientSampled :

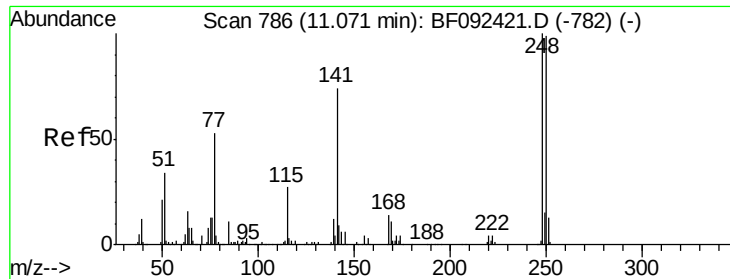
Tot Ion:188 Resp: 616652
 Ion Ratio Lower Upper
 188 100
 94 15.3 10.0 15.0#
 80 16.5 11.2 16.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.17 ng
 RT: 10.82 min Scan# 764
 Delta R.T. 0.20 min
 Lab File: BF092479.D
 Acq: 25 Jan 2017 16:27

Tgt Ion:198 Resp: 825
 Ion Ratio Lower Upper
 198 100
 51 140.0 6.7 46.7#
 105 138.3 16.6 56.6#





#66

4-Bromophenyl-phenylether

Concen: 4.23 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092479.D

Acq: 25 Jan 2017 16:27

Instrument :

BNA_F

ClientSampled :

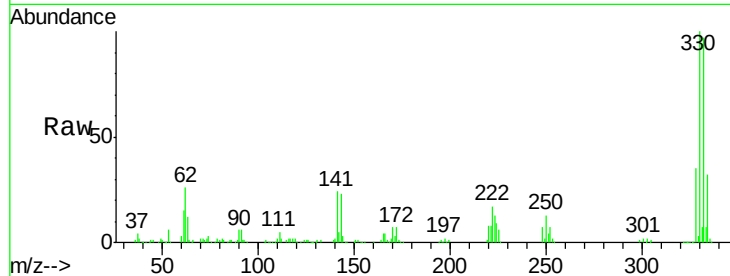
Tot Ion:248 Resp: 26343

Ion Ratio Lower Upper

248 100

250 202.9 76.9 115.3#

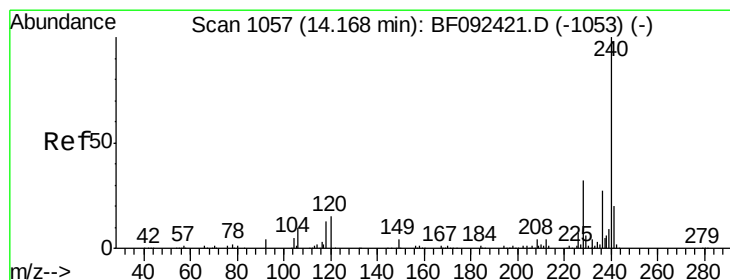
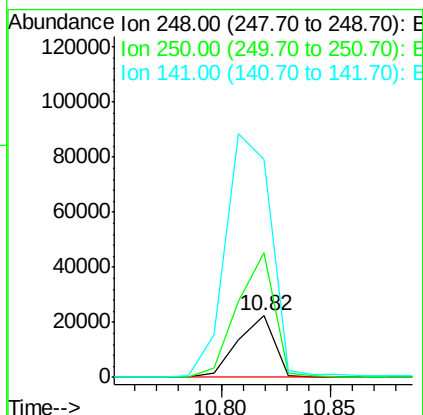
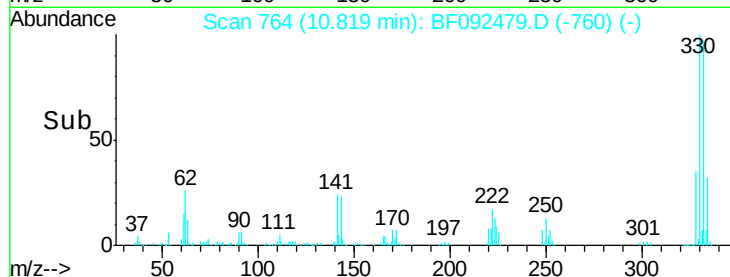
141 355.0 68.2 102.4#



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: BF092479.D

Acq: 25 Jan 2017 16:27

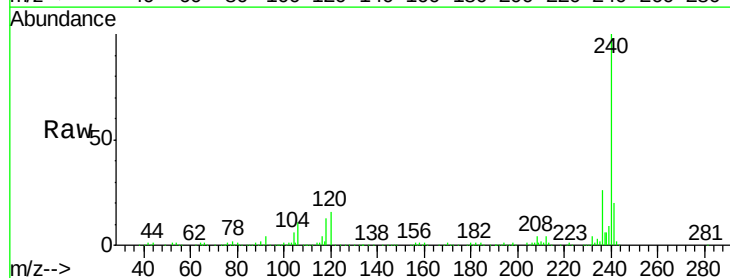
Tgt Ion:240 Resp: 506284

Ion Ratio Lower Upper

240 100

120 15.8 12.9 19.3

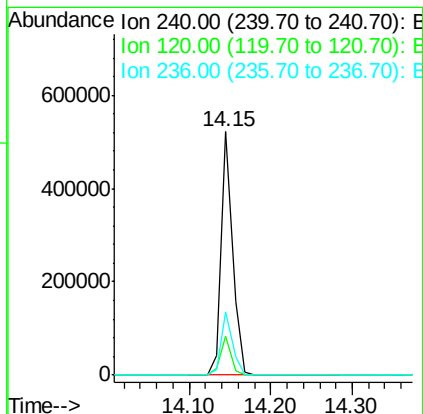
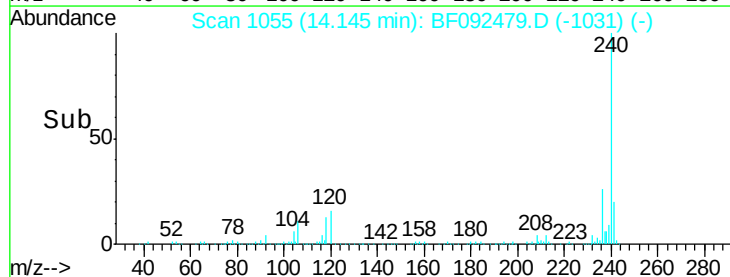
236 26.1 20.9 31.3

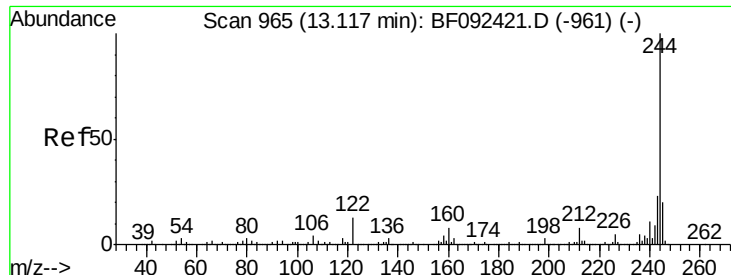


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 85.52 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092479.D

Acq: 25 Jan 2017 16:27

Instrument :

BNA_F

ClientSampleId :

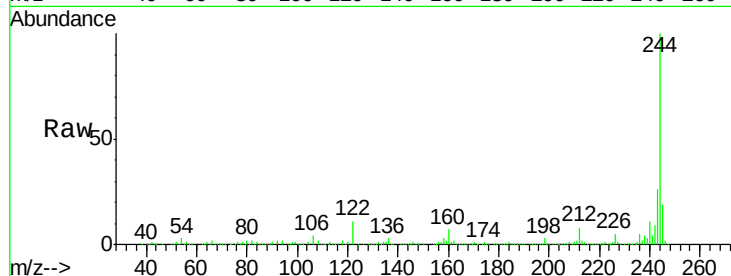
Tot Ion:244 Resp: 1625896

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

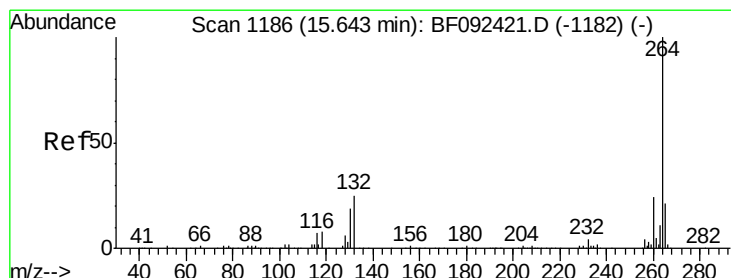
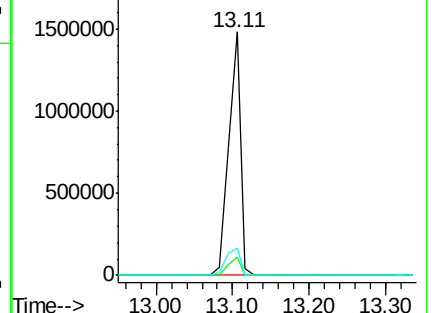
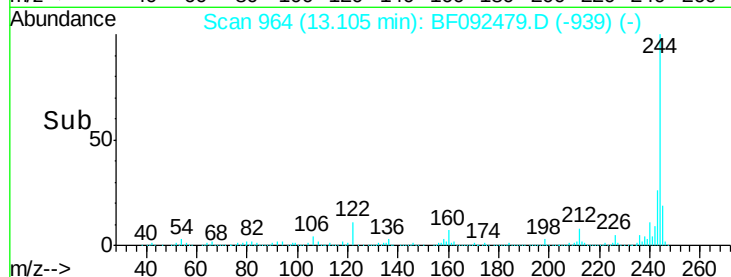
122 11.3 11.4 17.2#



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: BF092479.D

Acq: 25 Jan 2017 16:27

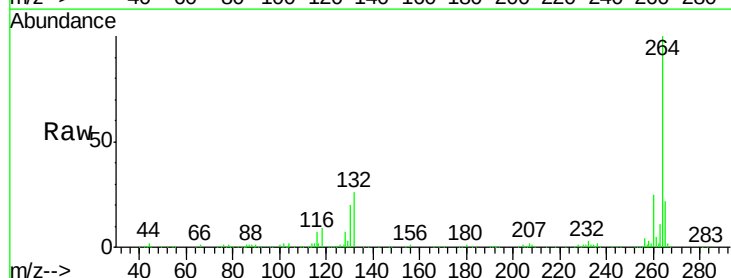
Tgt Ion:264 Resp: 416497

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.7 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

