

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
 Data File : BF092467.D
 Acq On : 25 Jan 2017 10:58
 Operator : UM/SJ
 Sample : PB96207BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 12:05:46 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

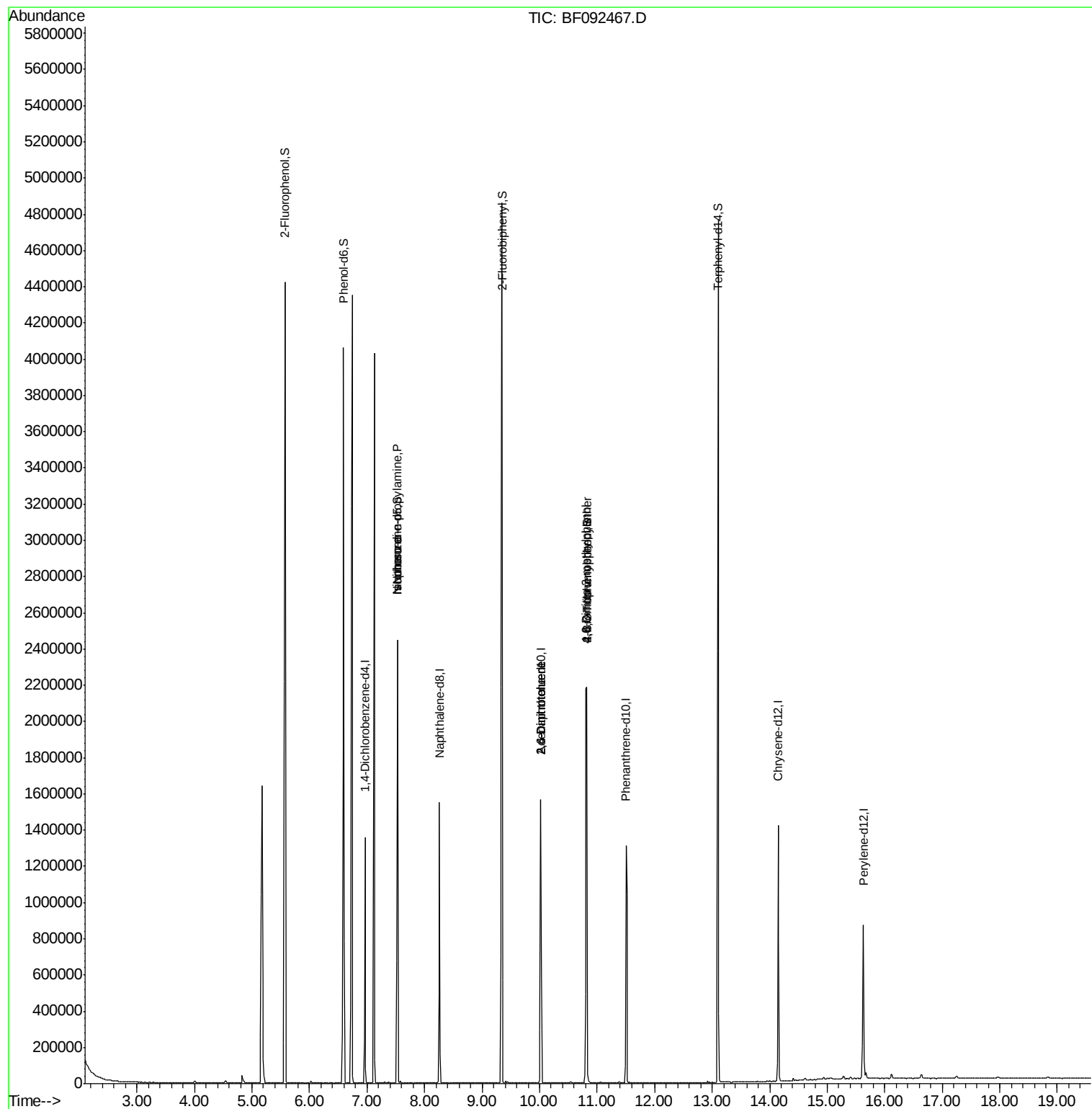
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	185174	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	733176	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	397188	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	671700	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	585460	20.00	ng	-0.02
86) Perylene-d12	15.63	264	492193	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1368320	114.97	ng	0.02
7) Phenol-d6	6.59	99	1677107	110.63	ng	0.00
23) Nitrobenzene-d5	7.53	82	1240522	92.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	416080	153.72	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1906735	88.77	ng	-0.01
78) Terphenyl-d14	13.11	244	1699462	77.30	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	161171	15.61	ng	# 84
25) Isophorone	7.53	82	1084378	41.00	ng	# 65
50) 2,6-Dinitrotoluene	10.02	165	51566	9.99	ng	# 30
56) 2,4-Dinitrotoluene	10.02	165	51570	7.53	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.81	198	865	5.17	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	31290	4.61	ng	# 1

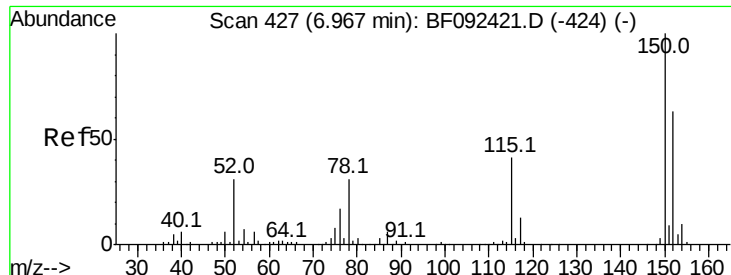
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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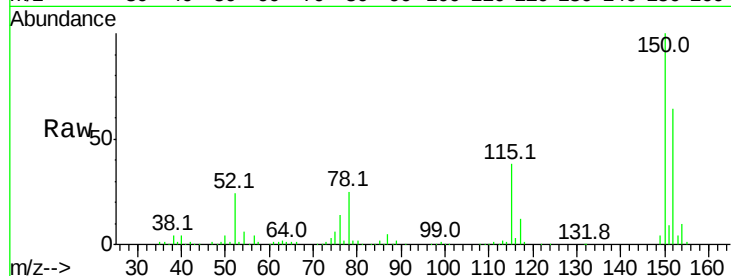


#1

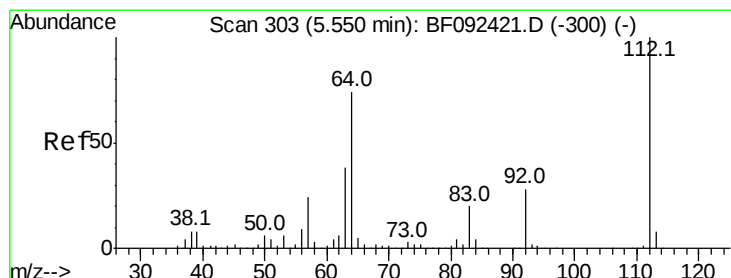
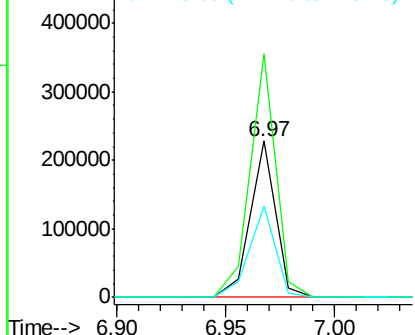
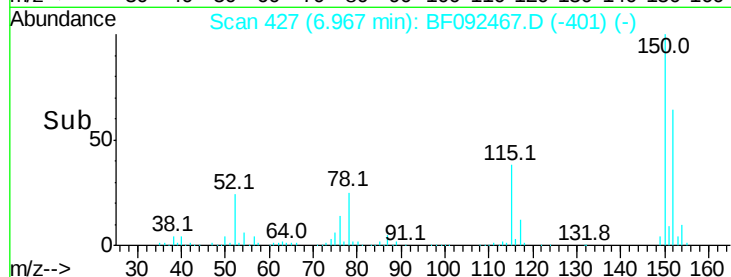
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092467.D
Acq: 25 Jan 2017 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 185174
Ion Ratio Lower Upper
152 100
150 155.7 124.9 187.3
115 58.6 46.0 69.0



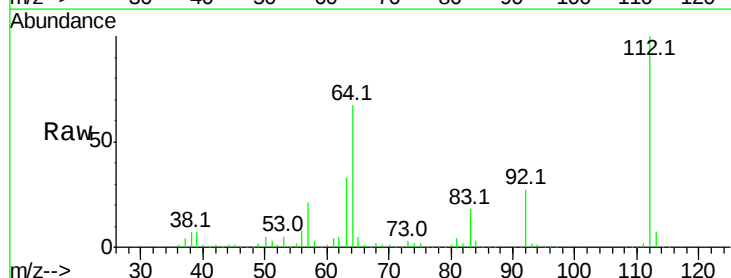
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



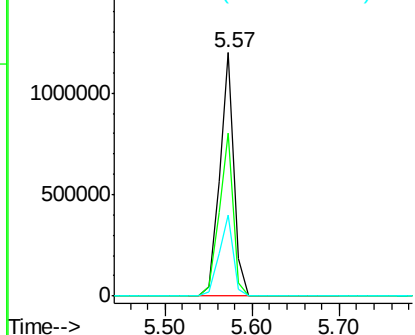
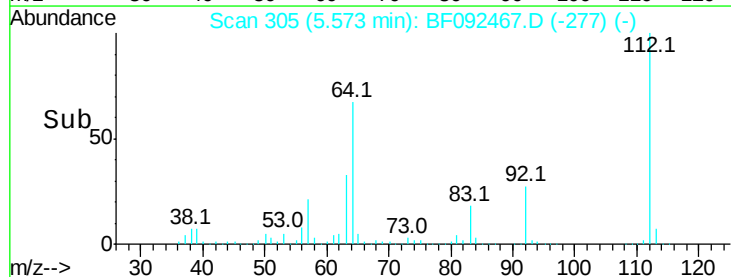
#5

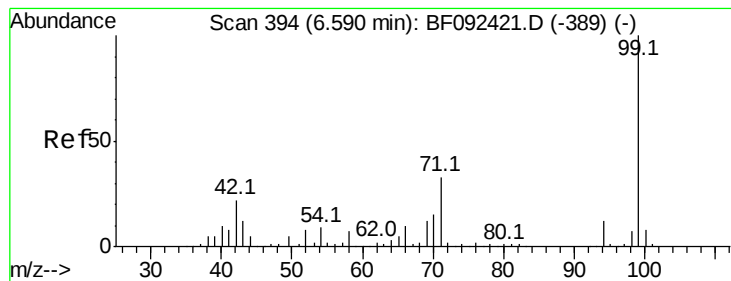
2-Fluorophenol
Concen: 114.97 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092467.D
Acq: 25 Jan 2017 10:58

Tgt Ion:112 Resp: 1368320
Ion Ratio Lower Upper
112 100
64 66.7 46.1 69.1
63 33.5 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: 110.63 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092467.D

Acq: 25 Jan 2017 10:58

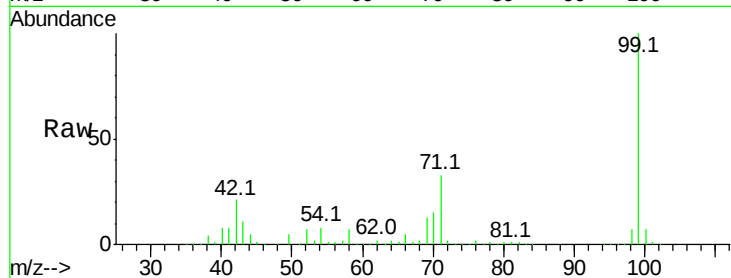
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1677107

Ion	Ratio	Lower	Upper
99	100		
42	21.5	15.6	23.4
71	33.5	27.5	41.3

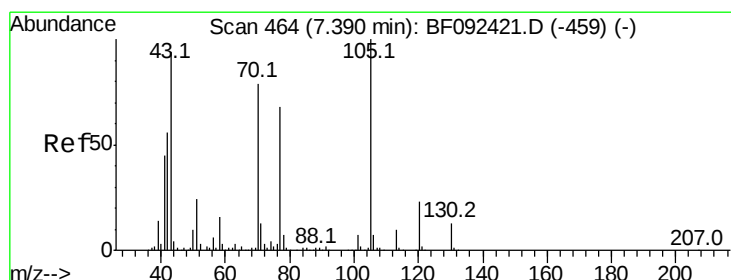
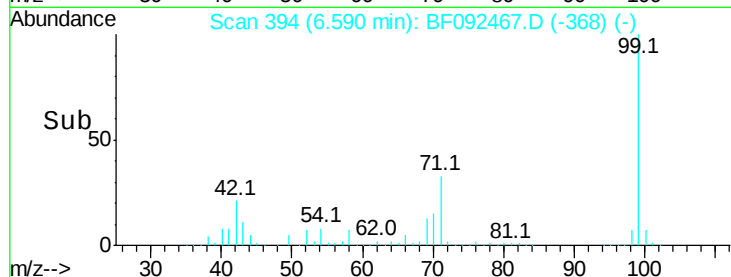
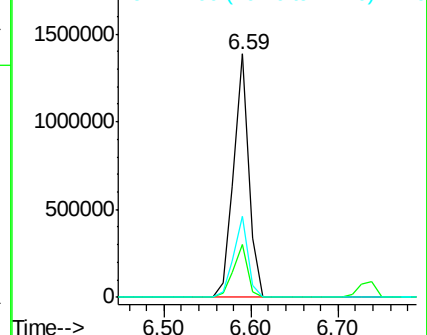


Abundance

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: 15.61 ng

RT: 7.53 min Scan# 476

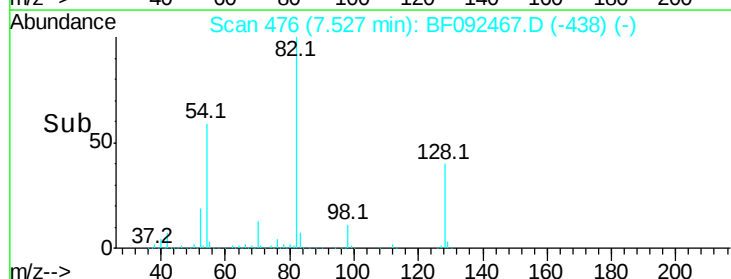
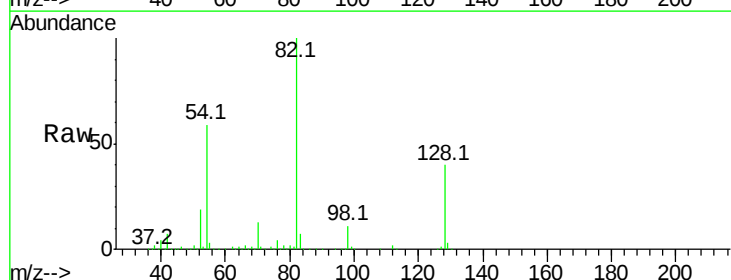
Delta R.T. 0.14 min

Lab File: BF092467.D

Acq: 25 Jan 2017 10:58

Tgt Ion: 70 Resp: 161171

Ion	Ratio	Lower	Upper
70	100		
42	55.0	49.4	74.0
101	0.0	7.4	11.2#
130	2.1	14.2	21.4#



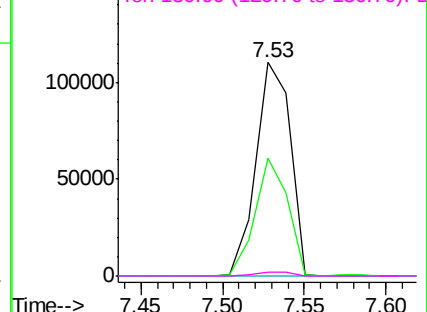
Abundance

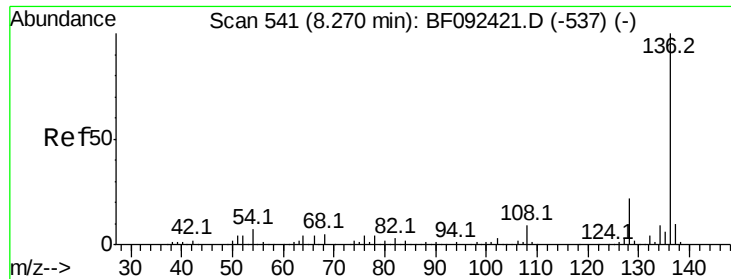
Ion 70.00 (69.70 to 70.70): BF0

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

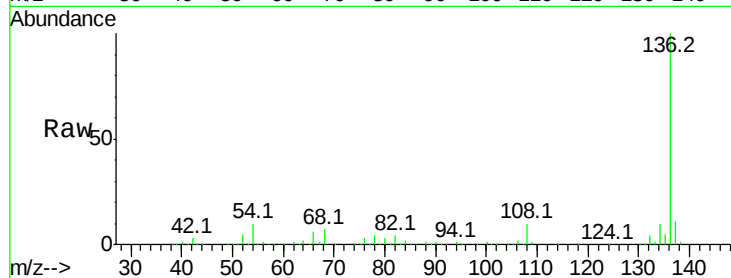




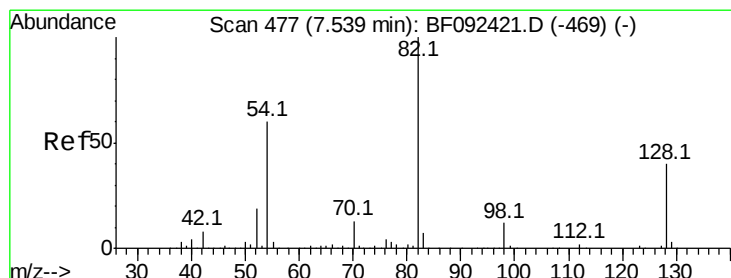
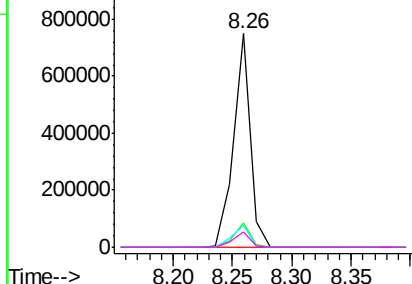
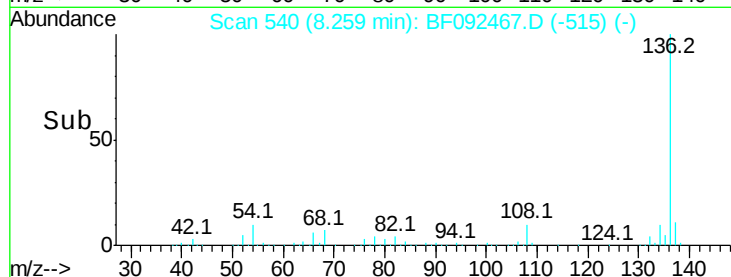
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092467.D
Acq: 25 Jan 2017 10:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	733176
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.4 12.6
54	10.4	4.5 6.7#
68	7.2	3.6 5.4#

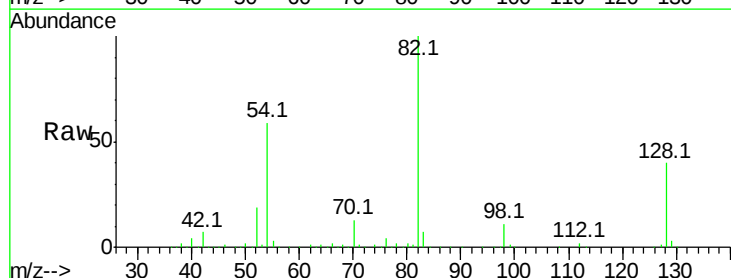


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

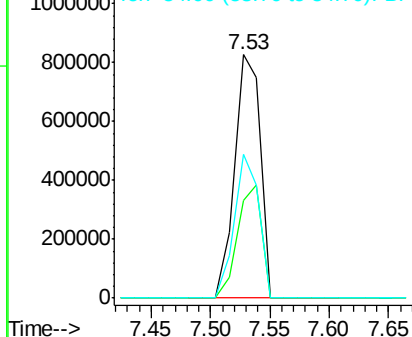
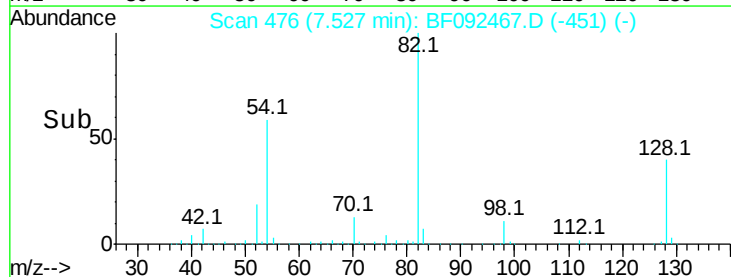


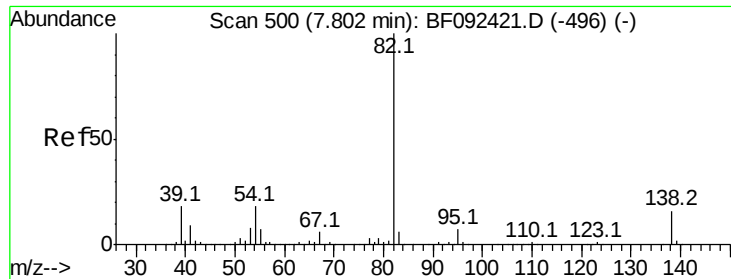
#23
Nitrobenzene-d5
Concen: 92.42 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092467.D
Acq: 25 Jan 2017 10:58

Tgt Ion: 82	Resp:	1240522
Ion	Ratio	Lower Upper
82	100	
128	40.2	34.6 52.0
54	59.0	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

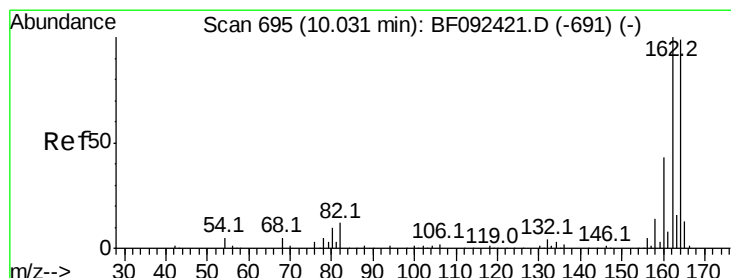
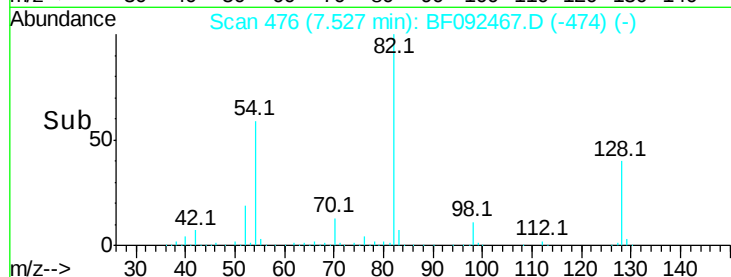
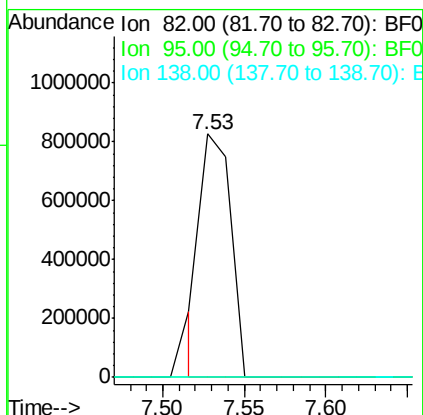
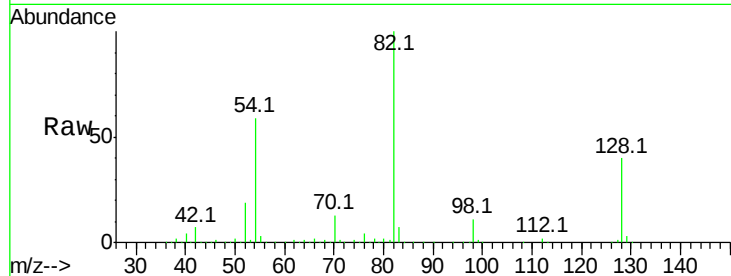




#25
Isophorone
Concen: 41.00 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.27 min
Lab File: BF092467.D
Acq: 25 Jan 2017 10:58

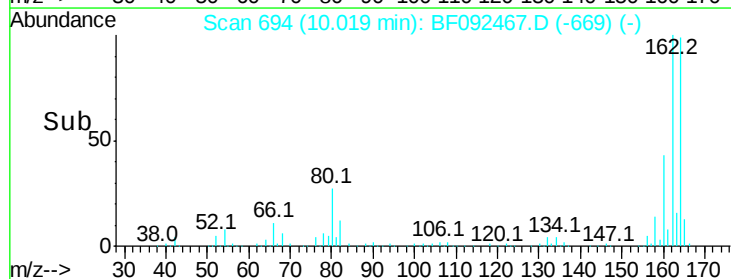
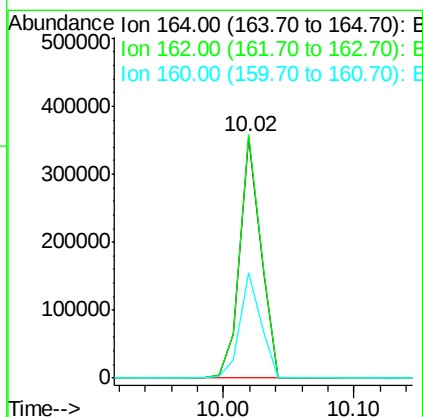
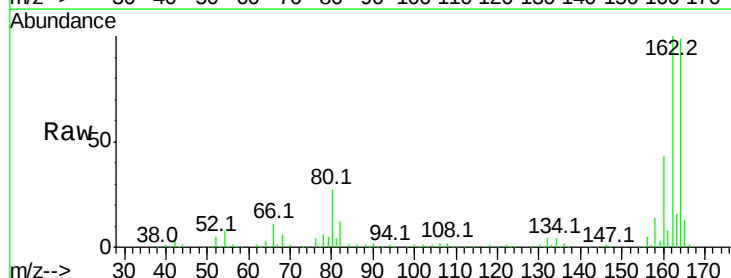
Instrument :
BNA_F
ClientSampled :

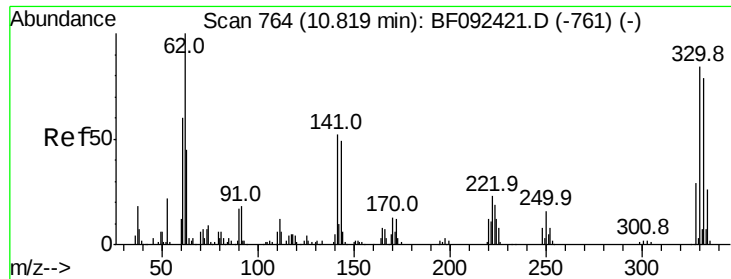
Tot Ion: 82 Resp: 1084378
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF092467.D
Acq: 25 Jan 2017 10:58

Tgt Ion:164 Resp: 397188
Ion Ratio Lower Upper
164 100
162 100.8 80.2 120.2
160 43.5 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 153.72 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF092467.D

Acq: 25 Jan 2017 10:58

Instrument :

BNA_F

ClientSampled :

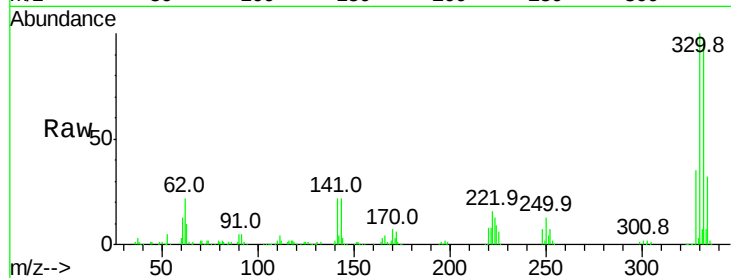
Tot Ion:330 Resp: 416080

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

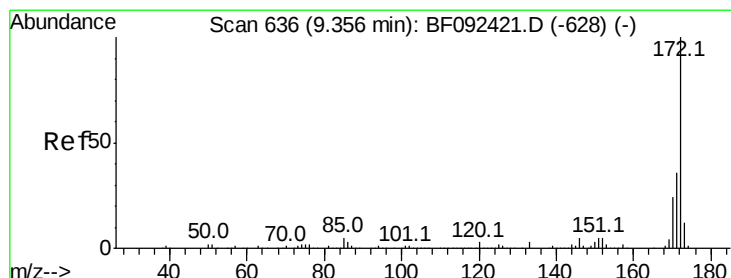
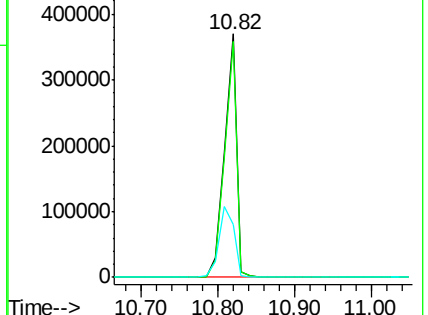
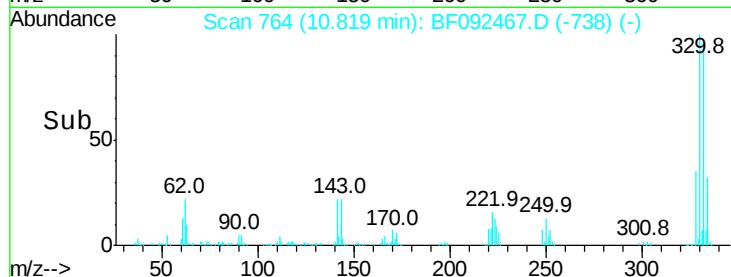
141 36.1 34.1 51.1



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: 88.77 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092467.D

Acq: 25 Jan 2017 10:58

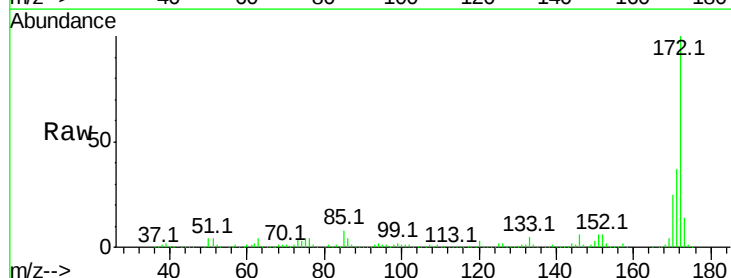
Tgt Ion:172 Resp: 1906735

Ion Ratio Lower Upper

172 100

171 36.8 29.4 44.0

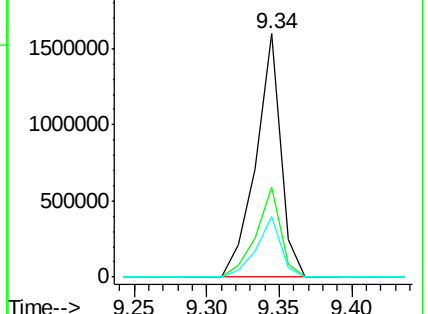
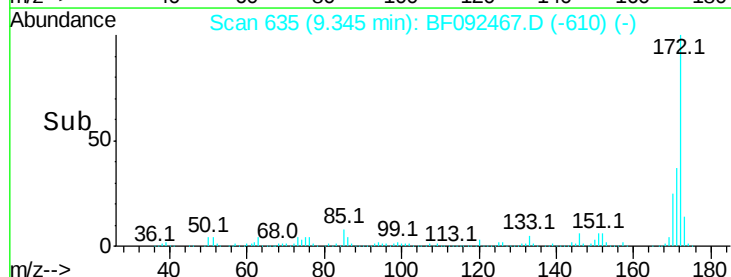
170 24.8 20.2 30.4

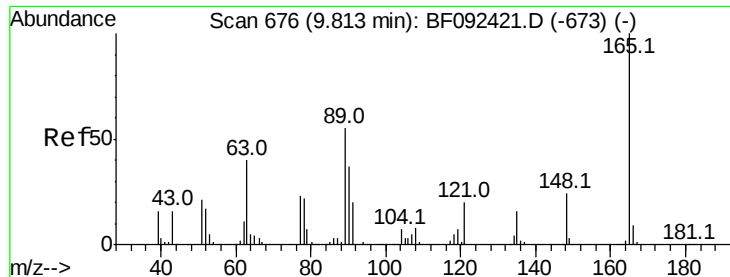


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

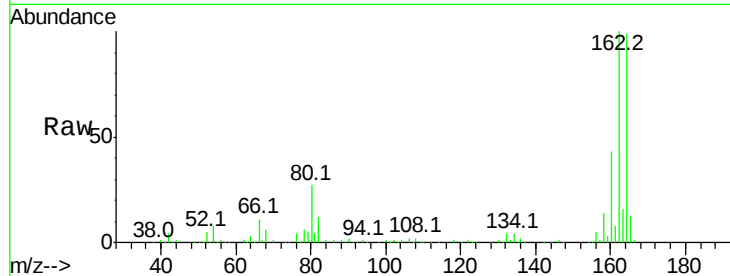




#50
 2,6-Dinitrotoluene
 Concen: 9.99 ng
 RT: 10.02 min Scan# 694
 Delta R.T. 0.21 min
 Lab File: BF092467.D
 Acq: 25 Jan 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :

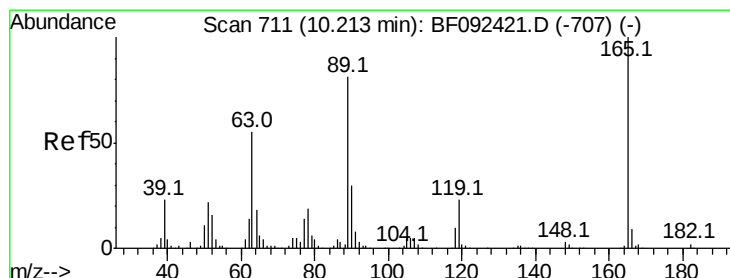
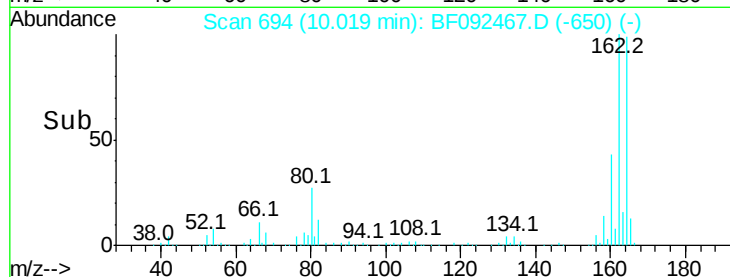
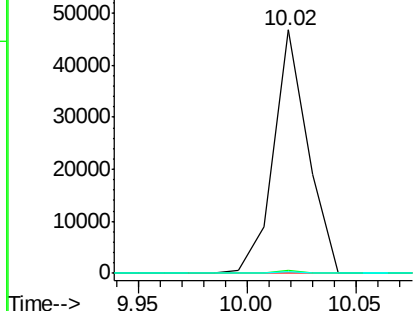
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.2	54.4#
89	0.8	40.2	60.4#



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: 7.53 ng
 RT: 10.02 min Scan# 694
 Delta R.T. -0.19 min
 Lab File: BF092467.D
 Acq: 25 Jan 2017 10:58

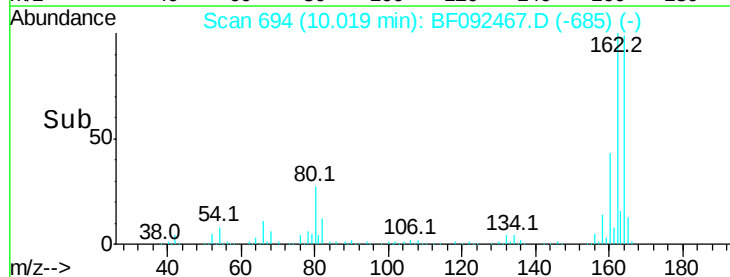
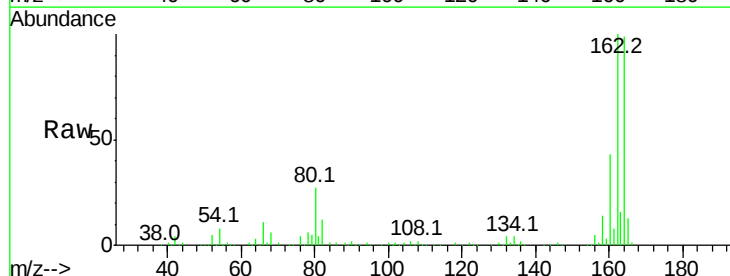
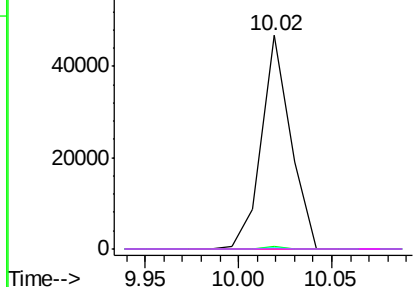
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.2	60.4#
89	0.8	62.5	93.7#
182	0.0	1.8	2.8#

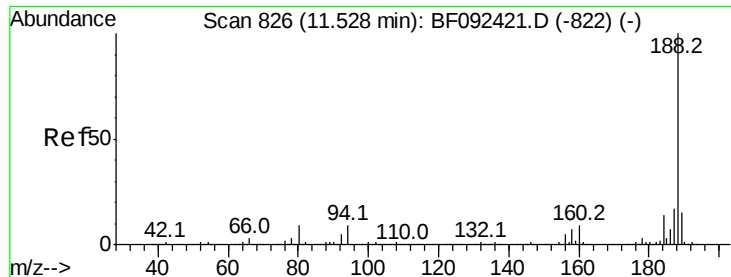
Abundance Ion 165.00 (164.70 to 165.70): E

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

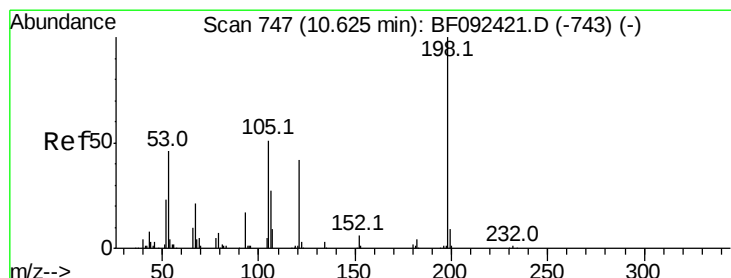
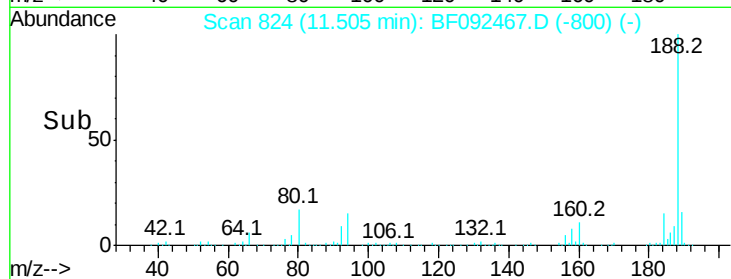
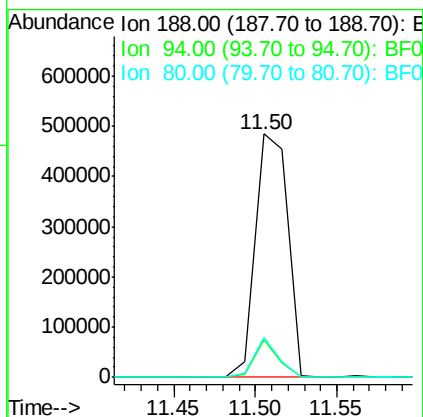
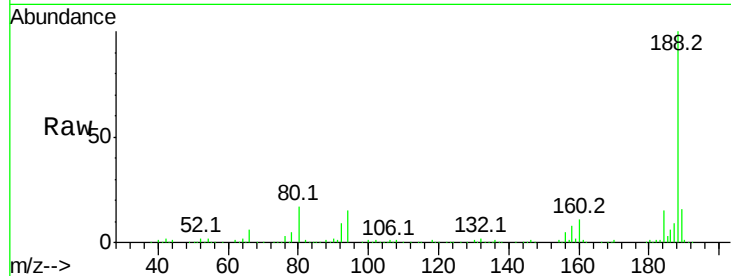




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF092467.D
 Acq: 25 Jan 2017 10:58

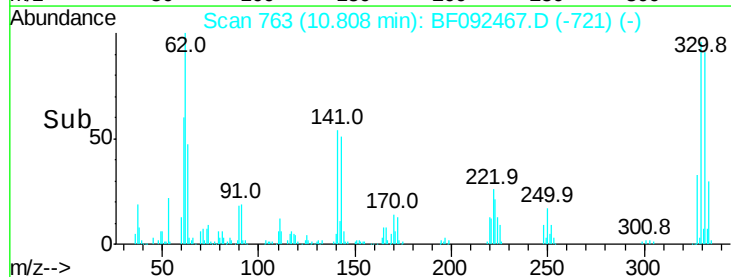
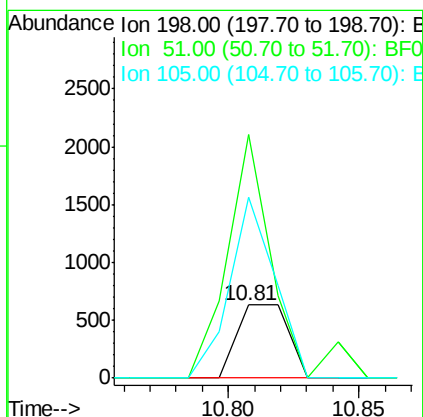
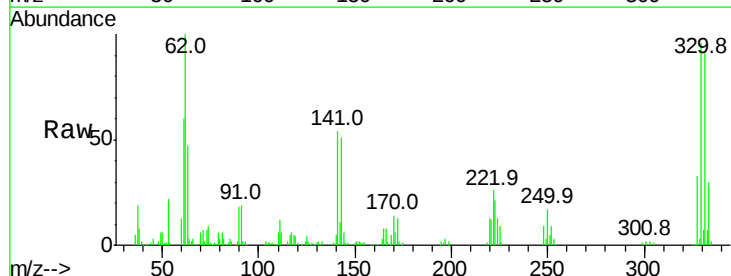
Instrument :
 BNA_F
 ClientSampleId :

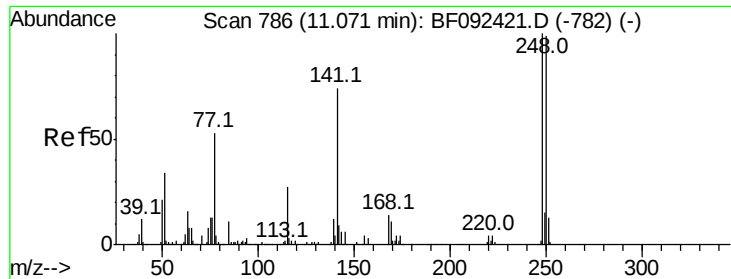
Tot Ion:188 Resp: 671700
 Ion Ratio Lower Upper
 188 100
 94 15.3 10.0 15.0#
 80 16.7 11.2 16.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.17 ng
 RT: 10.81 min Scan# 763
 Delta R.T. 0.18 min
 Lab File: BF092467.D
 Acq: 25 Jan 2017 10:58

Tgt Ion:198 Resp: 865
 Ion Ratio Lower Upper
 198 100
 51 332.5 6.7 46.7#
 105 247.1 16.6 56.6#





#66

4-Bromophenyl-phenylether

Concen: 4.61 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092467.D

Acq: 25 Jan 2017 10:58

Instrument :

BNA_F

ClientSampleId :

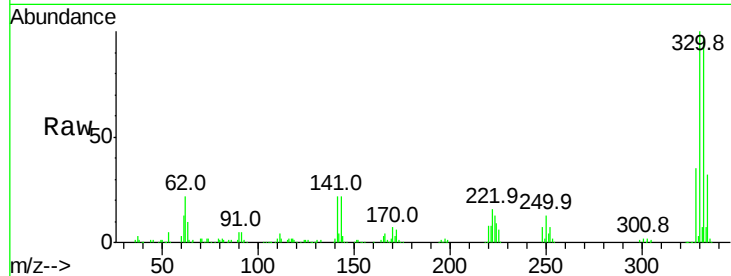
Tot Ion:248 Resp: 31290

Ion Ratio Lower Upper

248 100

250 196.0 76.9 115.3#

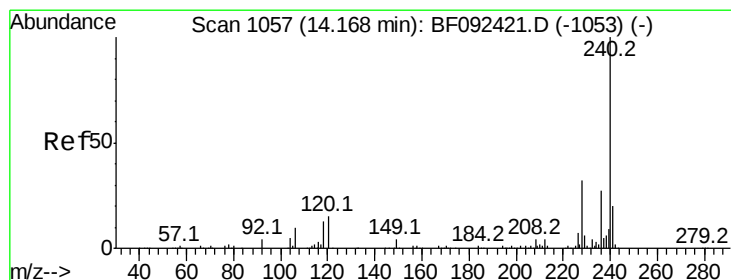
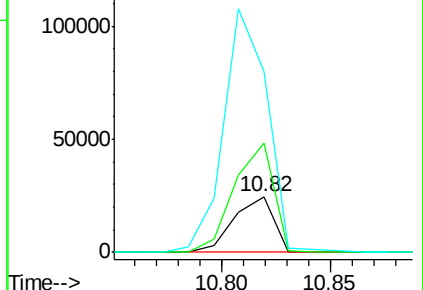
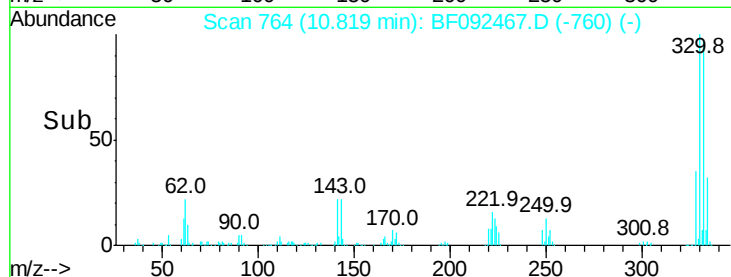
141 323.5 68.2 102.4#



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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092467.D

Acq: 25 Jan 2017 10:58

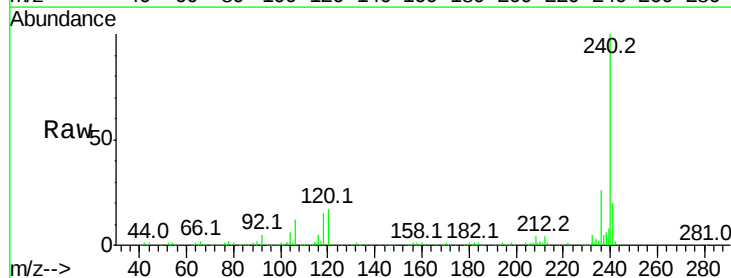
Tgt Ion:240 Resp: 585460

Ion Ratio Lower Upper

240 100

120 17.3 12.9 19.3

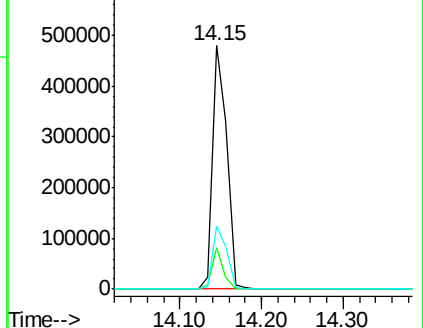
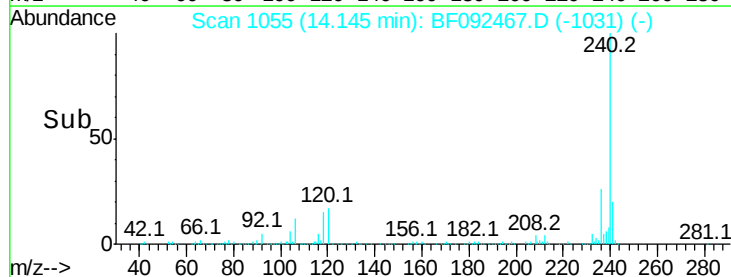
236 25.8 20.9 31.3

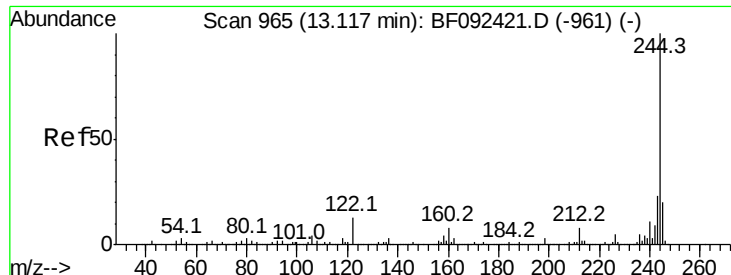


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

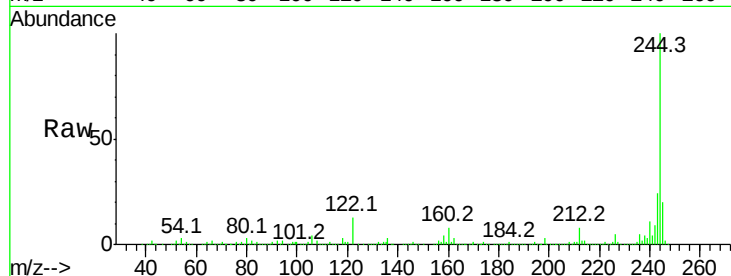




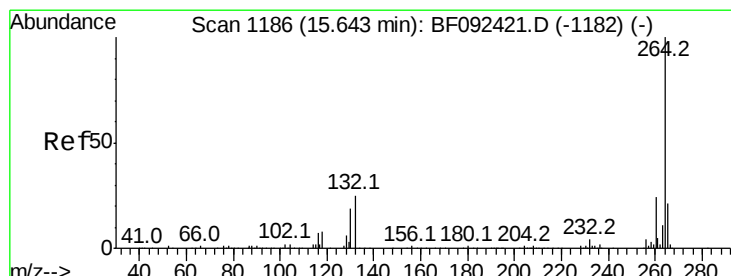
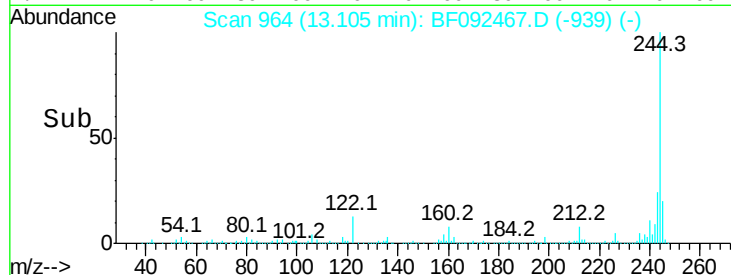
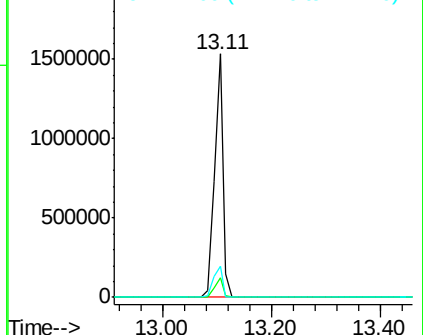
#78
 Terphenyl-d14
 Concen: 77.30 ng
 RT: 13.11 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF092467.D
 Acq: 25 Jan 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1699462
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 12.8 11.4 17.2

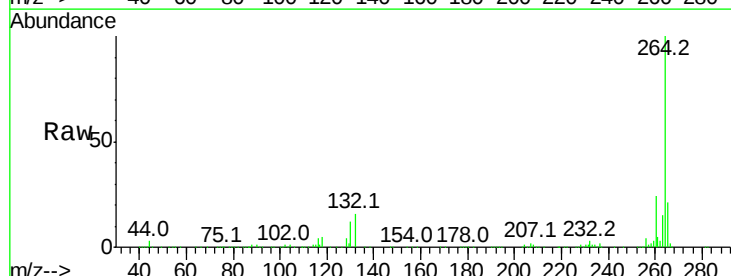


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.63 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF092467.D
 Acq: 25 Jan 2017 10:58

Tgt Ion:264 Resp: 492193
 Ion Ratio Lower Upper
 264 100
 260 24.5 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

