

Data Path : Z:\HPCHEM1\BNA F\Data\BF012517\
 Data File : BF092472.D
 Acq On : 25 Jan 2017 13:15
 Operator : SJ/MA
 Sample : PB96140BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 13:41:52 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

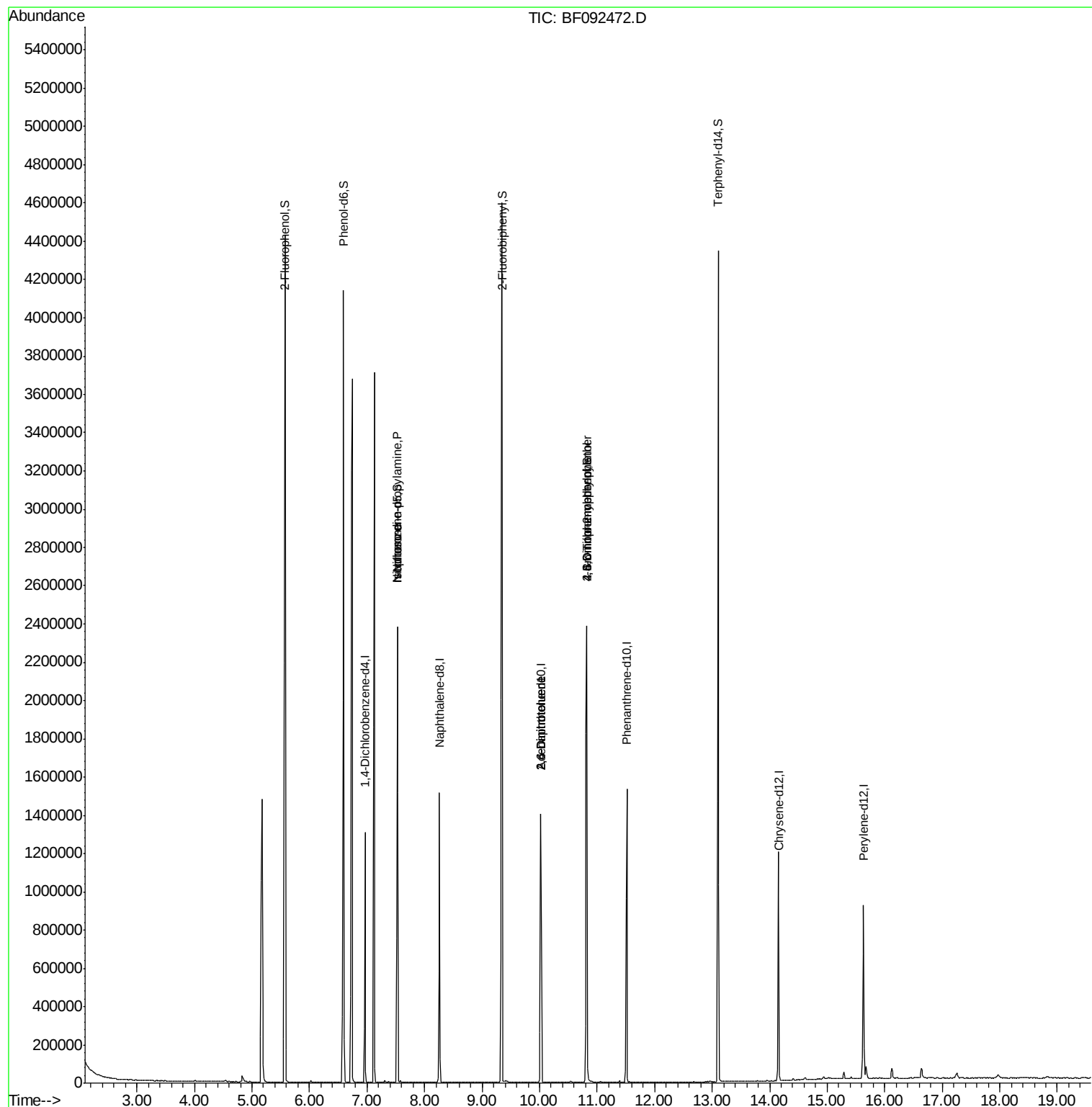
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	184753	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	742586	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	397097	20.00	ng	-0.01
63) Phenanthrene-d10	11.52	188	702301	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	568846	20.00	ng	-0.01
86) Perylene-d12	15.63	264	459700	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1289877	108.62	ng	0.02
7) Phenol-d6	6.59	99	1576801	104.25	ng	0.00
23) Nitrobenzene-d5	7.53	82	1073186	78.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	361991	133.77	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1788667	83.29	ng	-0.01
78) Terphenyl-d14	13.11	244	1540775	72.13	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	140445	13.63	ng	# 83
25) Isophorone	7.53	82	897473	33.50	ng	# 65
50) 2,6-Dinitrotoluene	10.02	165	51386	9.96	ng	# 31
56) 2,4-Dinitrotoluene	10.02	165	51388	7.50	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.82	198	1026	5.19	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	27366	3.86	ng	# 1

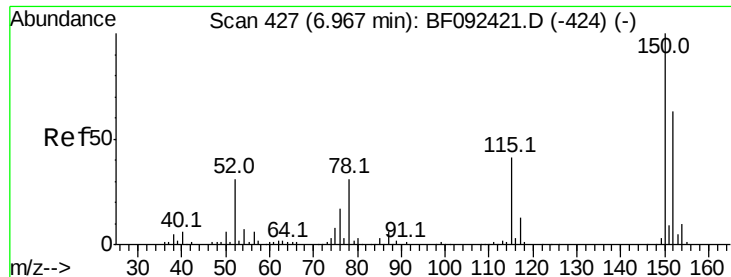
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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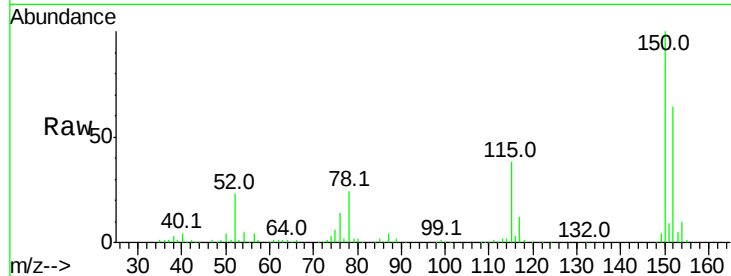


#1

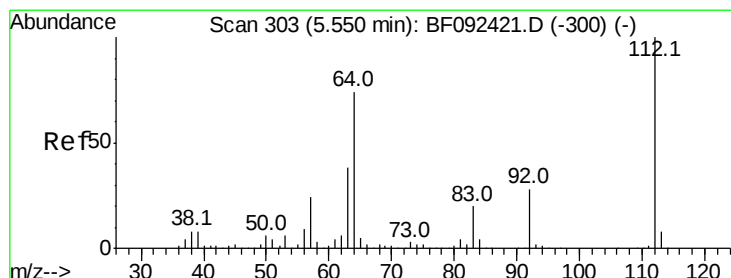
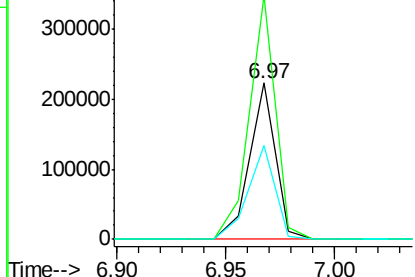
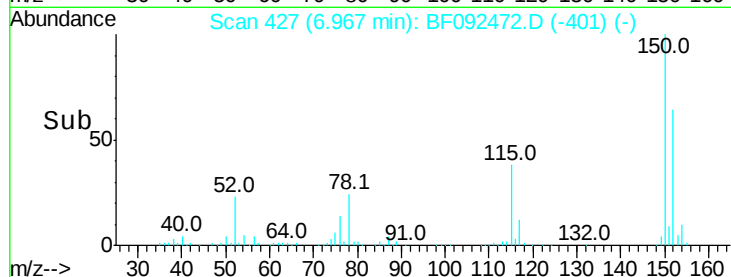
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092472.D
Acq: 25 Jan 2017 13:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 184753
Ion Ratio Lower Upper
152 100
150 155.8 124.9 187.3
115 59.8 46.0 69.0



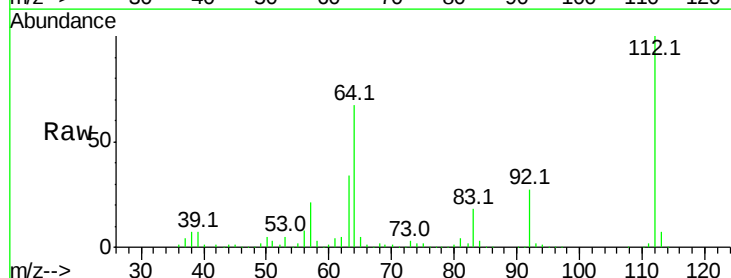
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



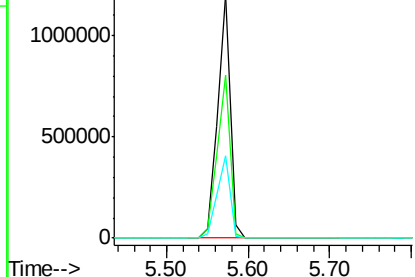
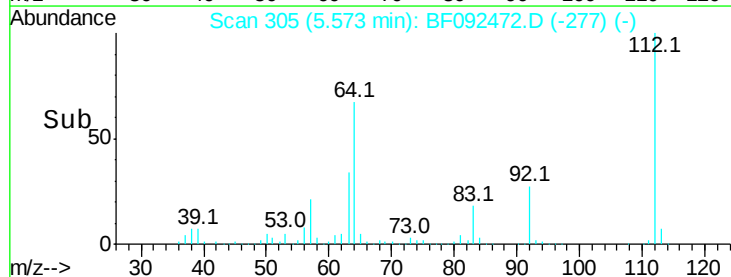
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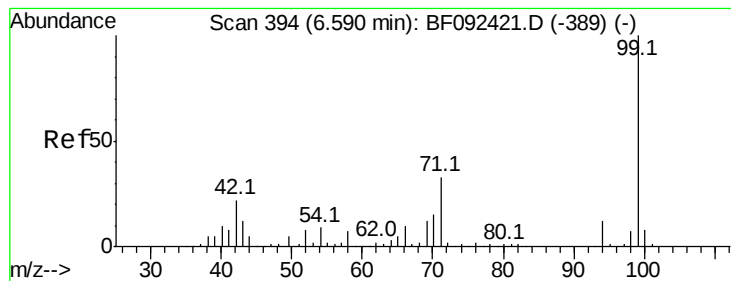
2-Fluorophenol
Concen: 108.62 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092472.D
Acq: 25 Jan 2017 13:15

Tgt Ion:112 Resp: 1289877
Ion Ratio Lower Upper
112 100
64 66.9 46.1 69.1
63 33.6 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: 104.25 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

Instrument :

BNA_F

ClientSampleId :

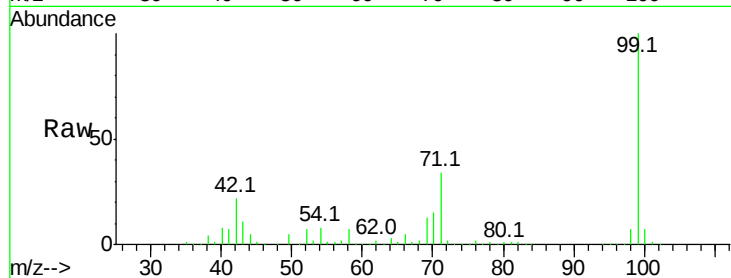
Tot Ion: 99 Resp: 1576801

Ion Ratio Lower Upper

99 100

42 21.6 15.6 23.4

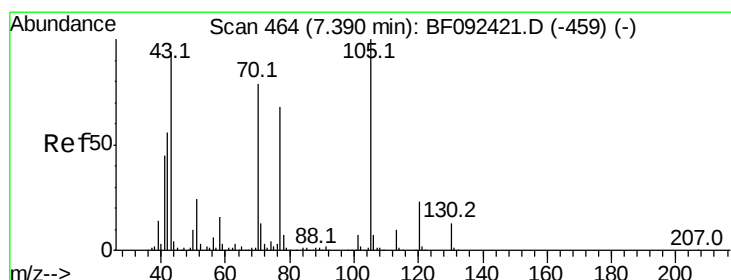
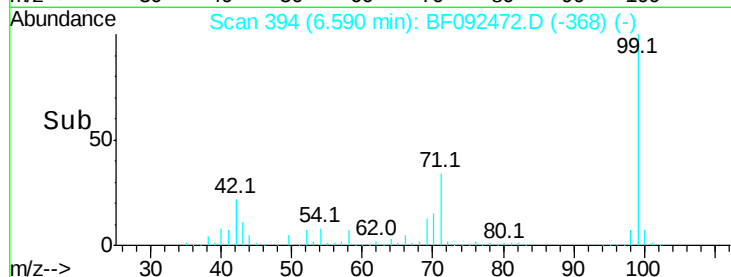
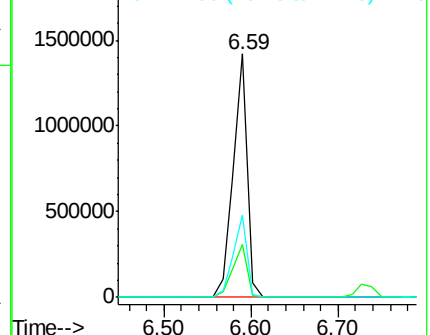
71 33.6 27.5 41.3



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: 13.63 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

Tgt Ion: 70 Resp: 140445

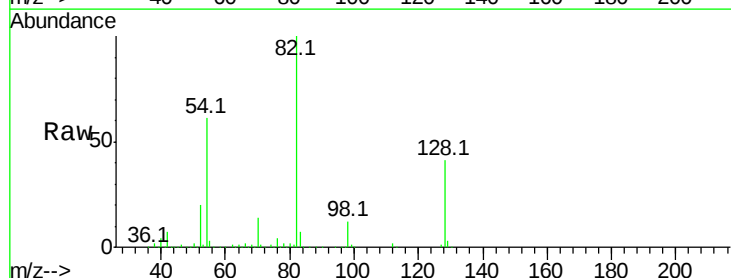
Ion Ratio Lower Upper

70 100

42 54.1 49.4 74.0

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

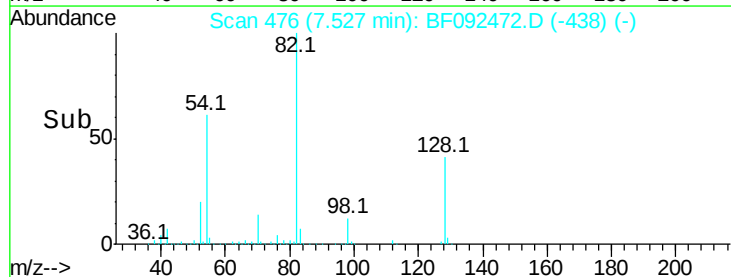
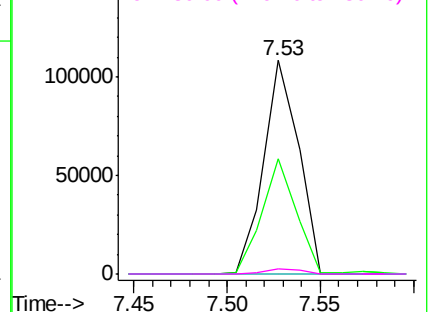


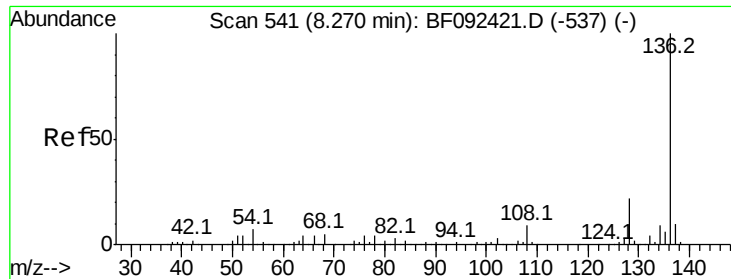
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

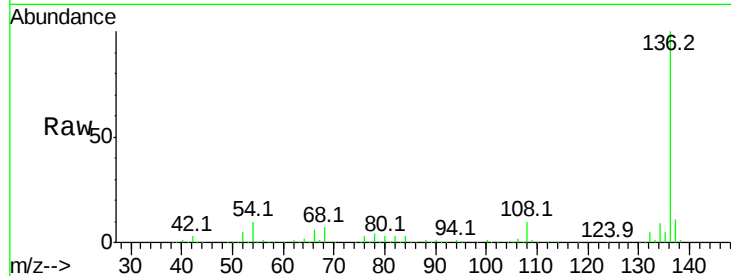




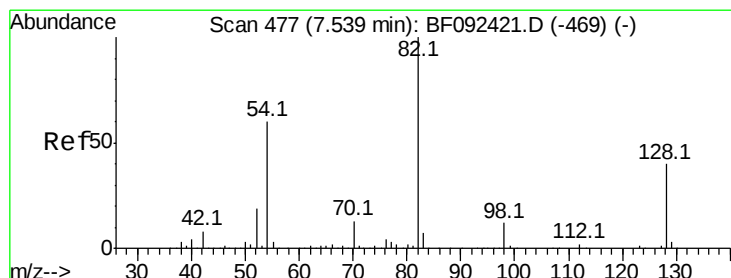
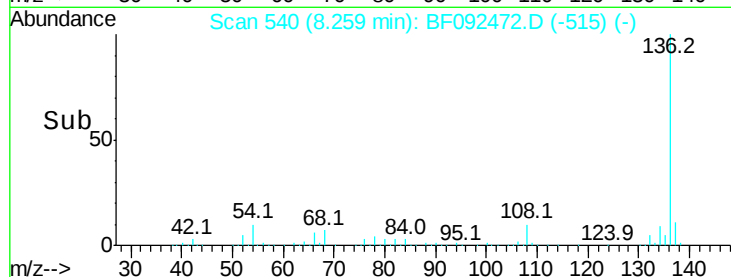
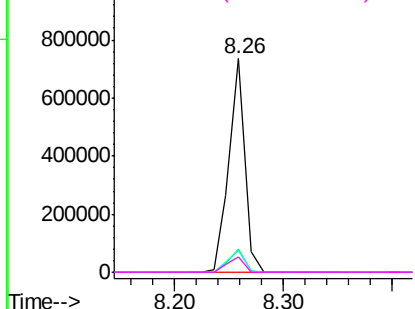
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092472.D
Acq: 25 Jan 2017 13:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	742586
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	10.1	4.5	6.7#
68	7.0	3.6	5.4#

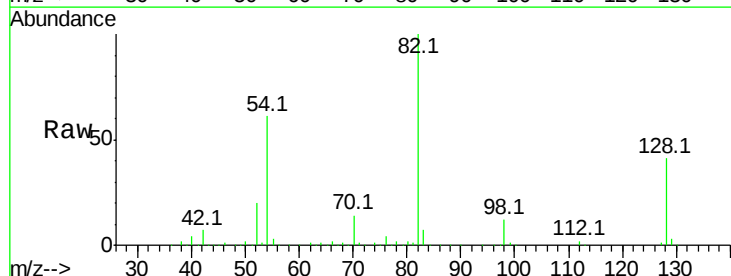


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

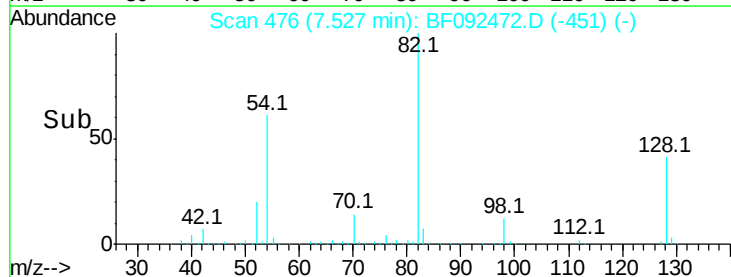
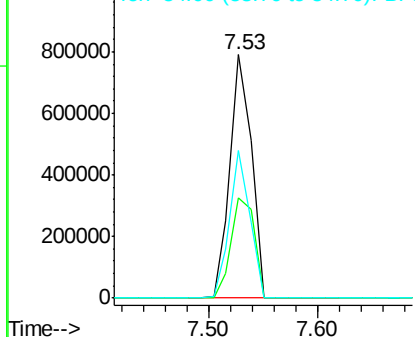


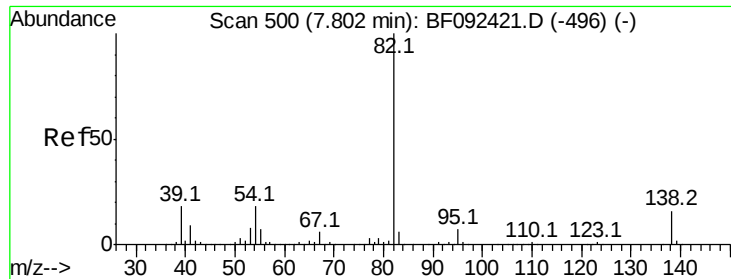
#23
Nitrobenzene-d5
Concen: 78.94 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092472.D
Acq: 25 Jan 2017 13:15

Tgt Ion:	82	Resp:	1073186
Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.6	52.0
54	60.6	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: 33.50 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

Instrument :

BNA_F

ClientSampleId :

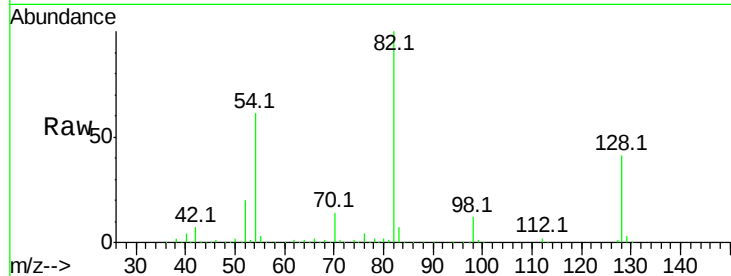
Tot Ion: 82 Resp: 897473

Ion Ratio Lower Upper

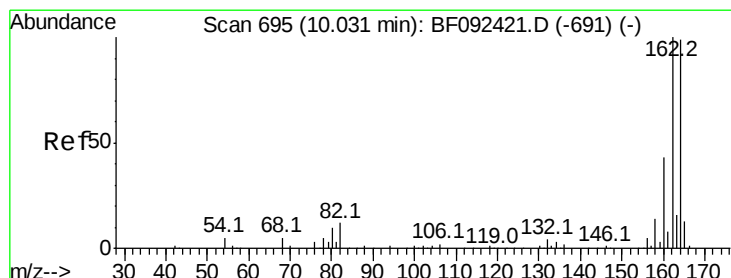
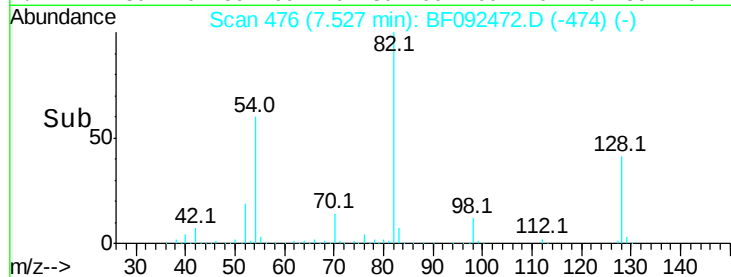
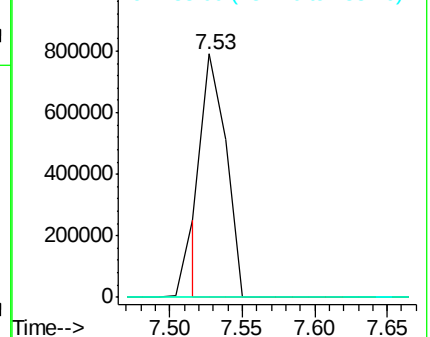
82 100

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: 10.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

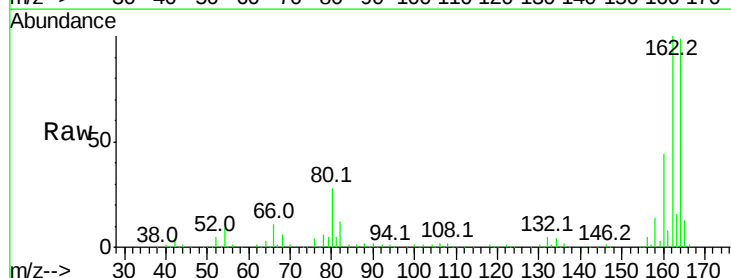
Tgt Ion:164 Resp: 397097

Ion Ratio Lower Upper

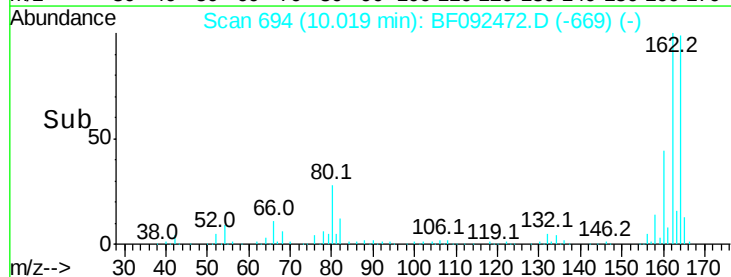
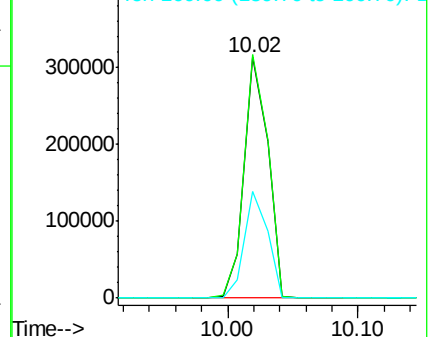
164 100

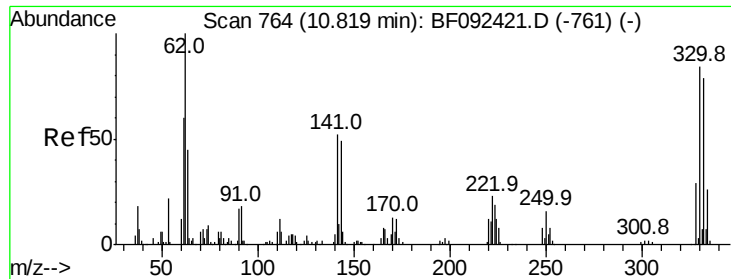
162 101.1 80.2 120.2

160 44.5 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

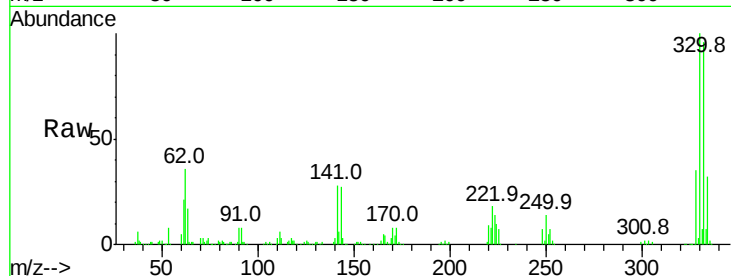




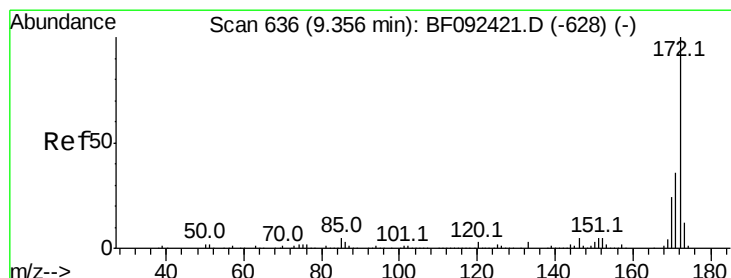
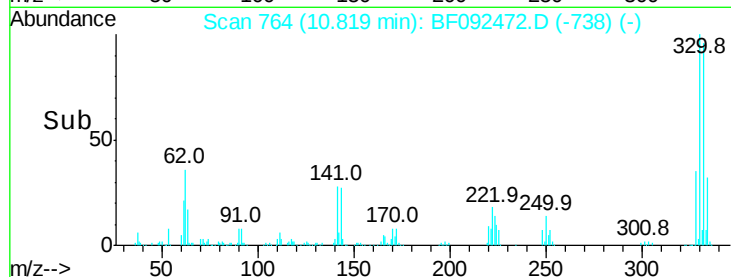
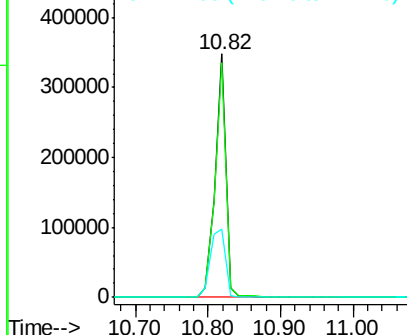
#41
 2,4,6-Tribromophenol
 Concen: 133.77 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF092472.D
 Acq: 25 Jan 2017 13:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	39.7	34.1	51.1

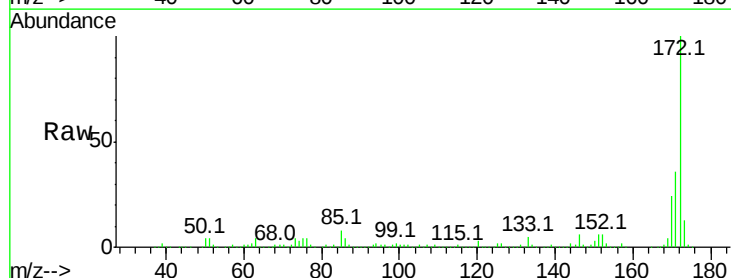


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

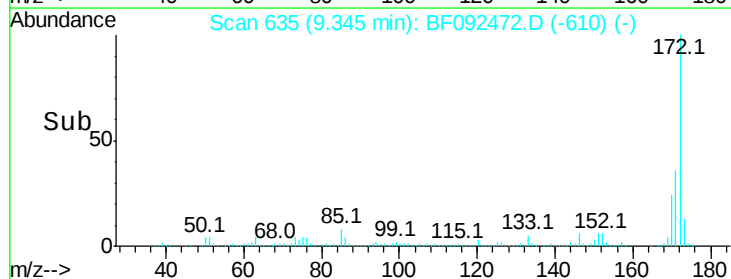
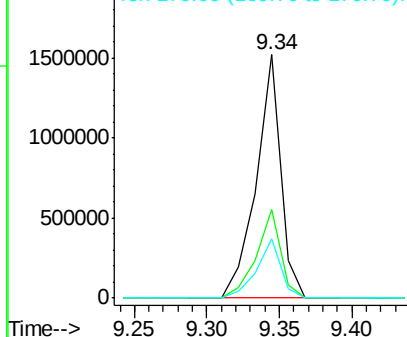


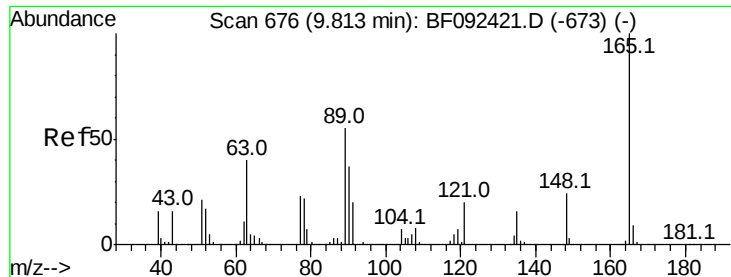
#44
 2-Fluorobiphenyl
 Concen: 83.29 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092472.D
 Acq: 25 Jan 2017 13:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	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

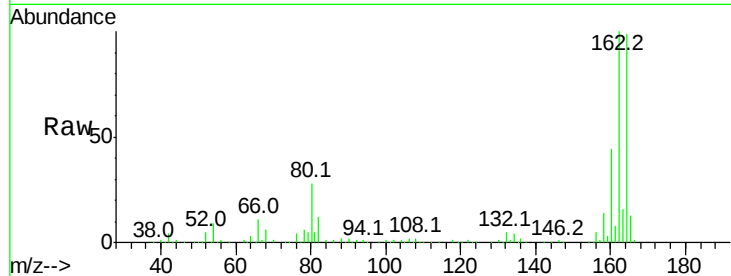




#50
2,6-Dinitrotoluene
Concen: 9.96 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.21 min
Lab File: BF092472.D
Acq: 25 Jan 2017 13:15

Instrument :
BNA_F
ClientSampleId :

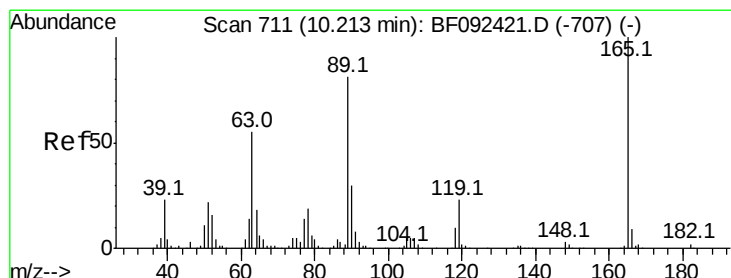
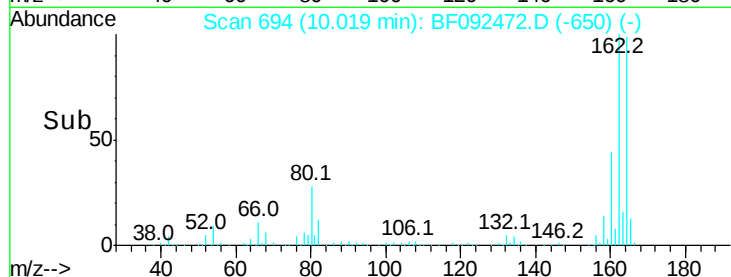
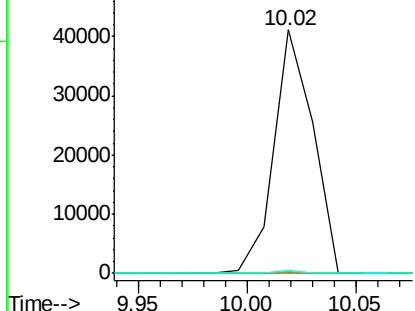
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.2	54.4#
89	1.5	40.2	60.4#



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: 7.50 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.19 min
Lab File: BF092472.D
Acq: 25 Jan 2017 13:15

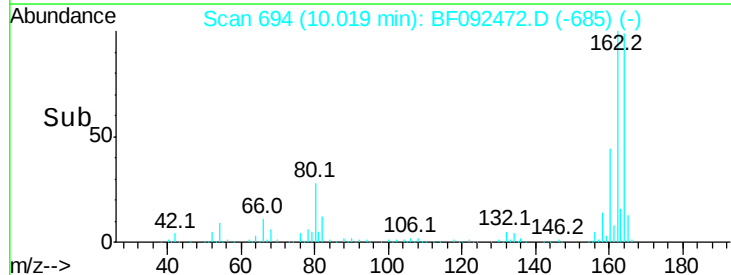
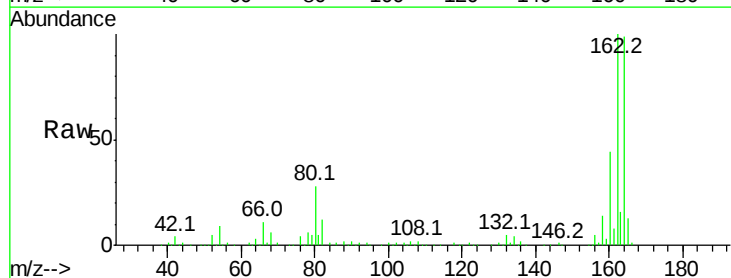
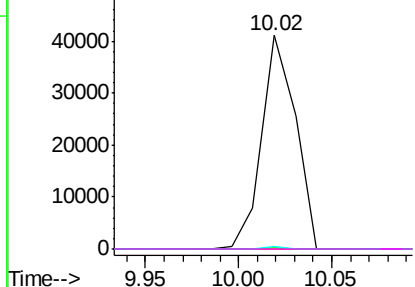
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.5	62.5	93.7#
182	0.0	1.8	2.8#

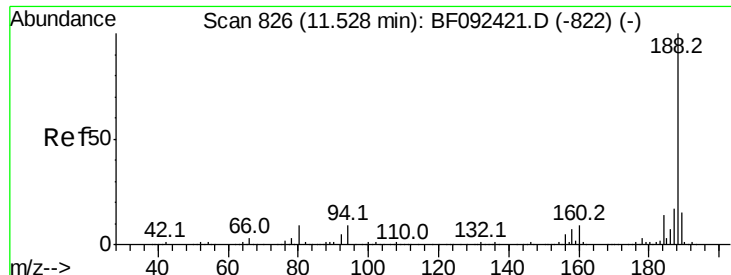
Abundance Ion 165.00 (164.70 to 165.70): E

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

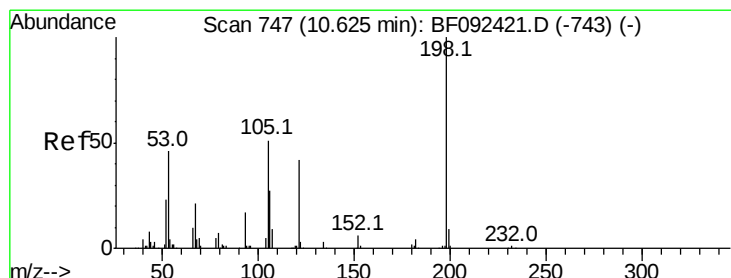
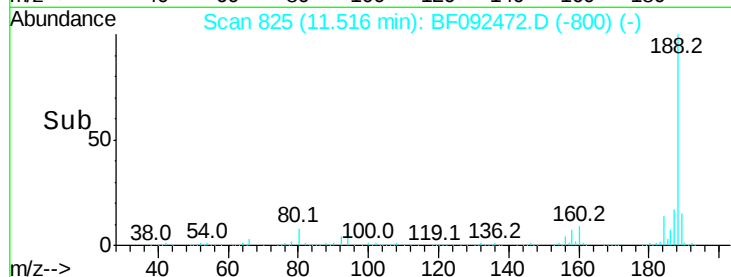
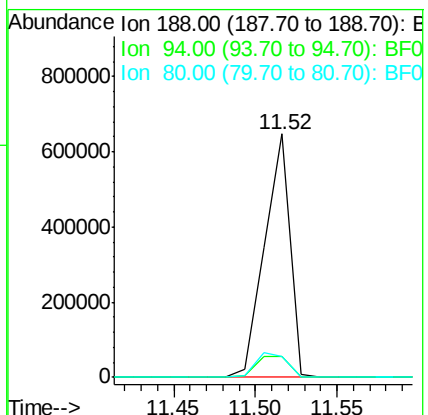
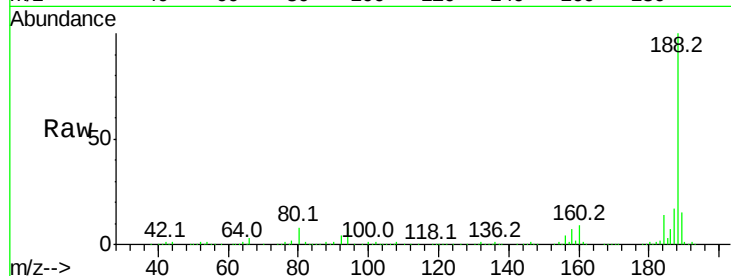




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092472.D
 Acq: 25 Jan 2017 13:15

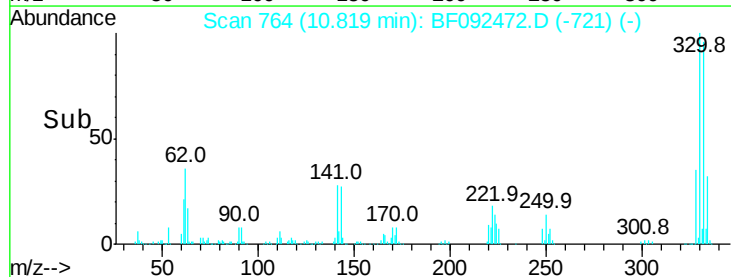
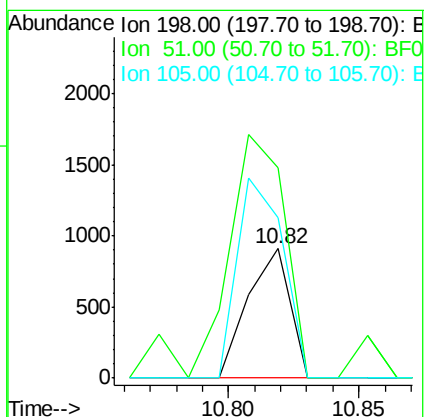
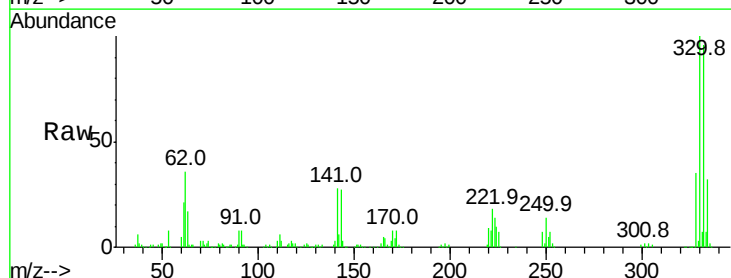
Instrument :
 BNA_F
 ClientSampleId :

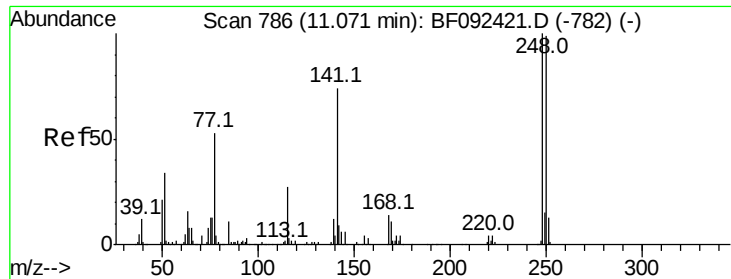
Tot Ion:188 Resp: 702301
 Ion Ratio Lower Upper
 188 100
 94 8.4 10.0 15.0#
 80 8.3 11.2 16.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.19 ng
 RT: 10.82 min Scan# 764
 Delta R.T. 0.20 min
 Lab File: BF092472.D
 Acq: 25 Jan 2017 13:15

Tgt Ion:198 Resp: 1026
 Ion Ratio Lower Upper
 198 100
 51 162.8 6.7 46.7#
 105 124.3 16.6 56.6#

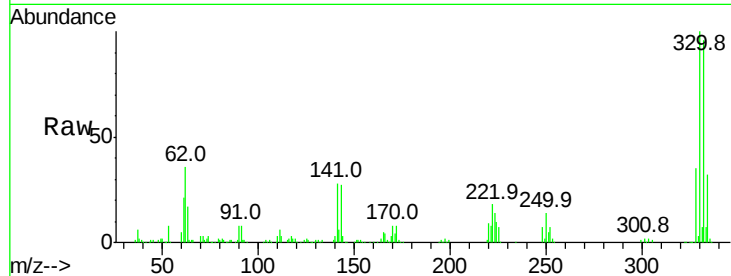




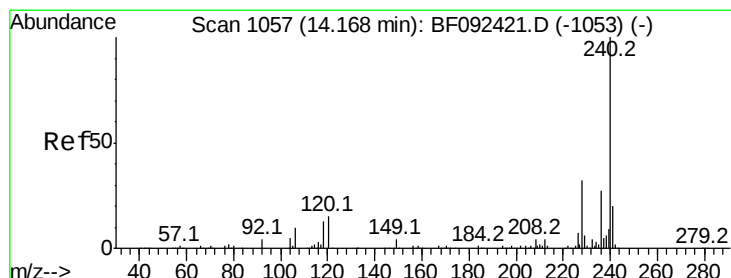
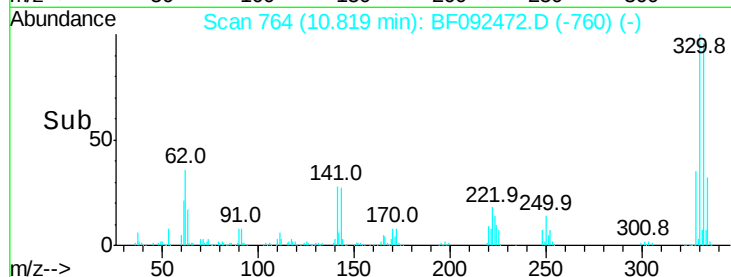
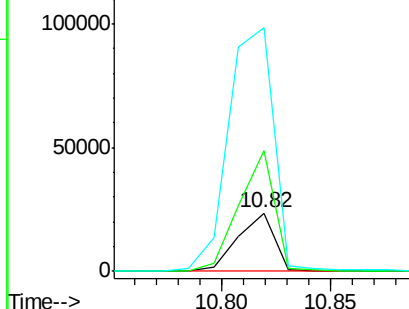
#66
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.25 min
Lab File: BF092472.D
Acq: 25 Jan 2017 13:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 27366
Ion Ratio Lower Upper
248 100
250 208.1 76.9 115.3#
141 419.8 68.2 102.4#

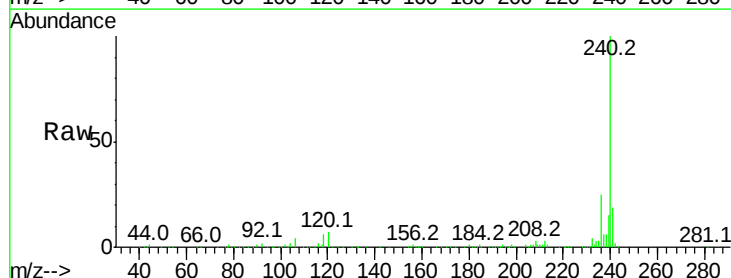


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

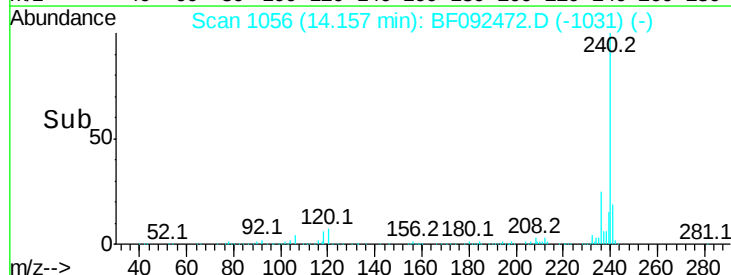
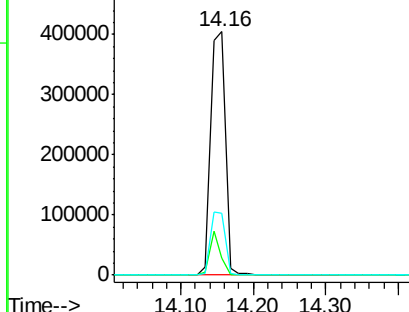


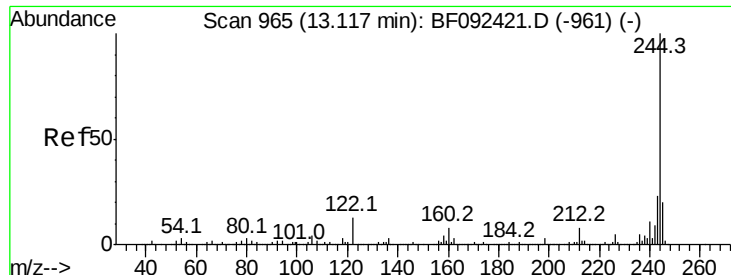
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.16 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF092472.D
Acq: 25 Jan 2017 13:15

Tgt Ion:240 Resp: 568846
Ion Ratio Lower Upper
240 100
120 7.2 12.9 19.3#
236 25.3 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: 72.13 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

Instrument :
BNA_F
ClientSampleId :

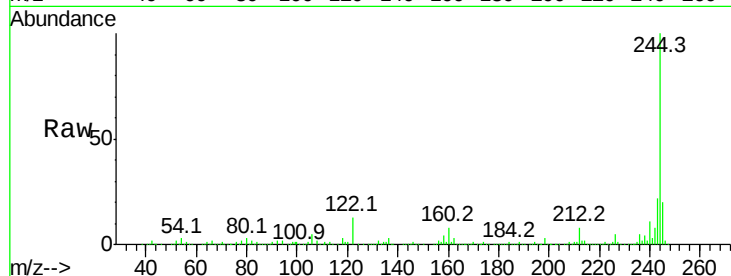
Tot Ion:244 Resp: 1540775

Ion Ratio Lower Upper

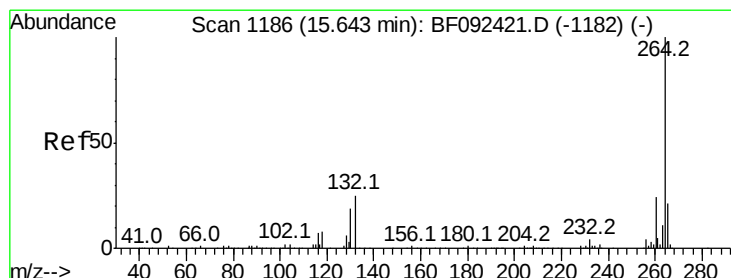
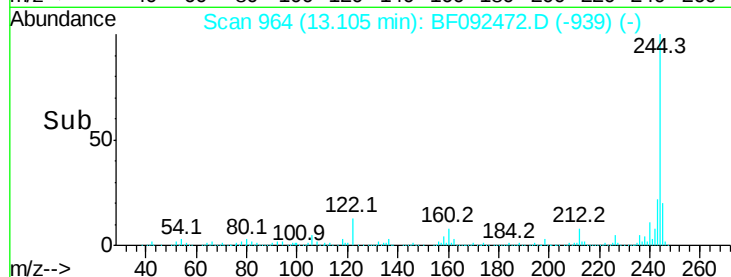
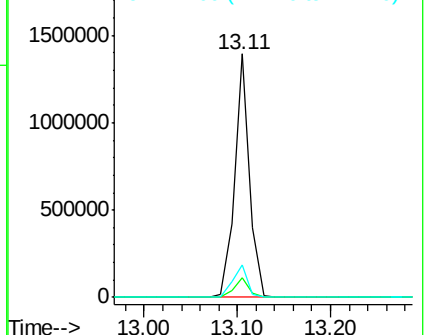
244 100

212 7.9 6.2 9.2

122 13.3 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: 15.63 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF092472.D

Acq: 25 Jan 2017 13:15

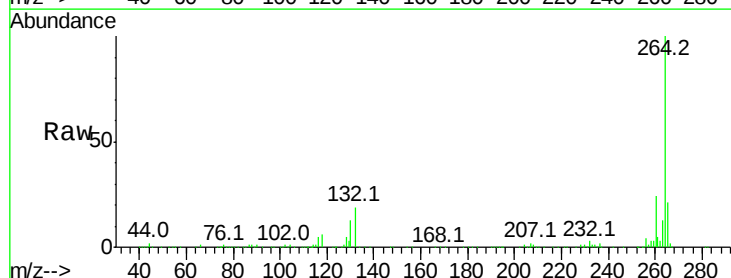
Tgt Ion:264 Resp: 459700

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.1 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

