

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013117\
 Data File : BF092685.D
 Acq On : 31 Jan 2017 17:12
 Operator : SJ/MA
 Sample : PB96561TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96561TB

Quant Time: Jan 31 17:43:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

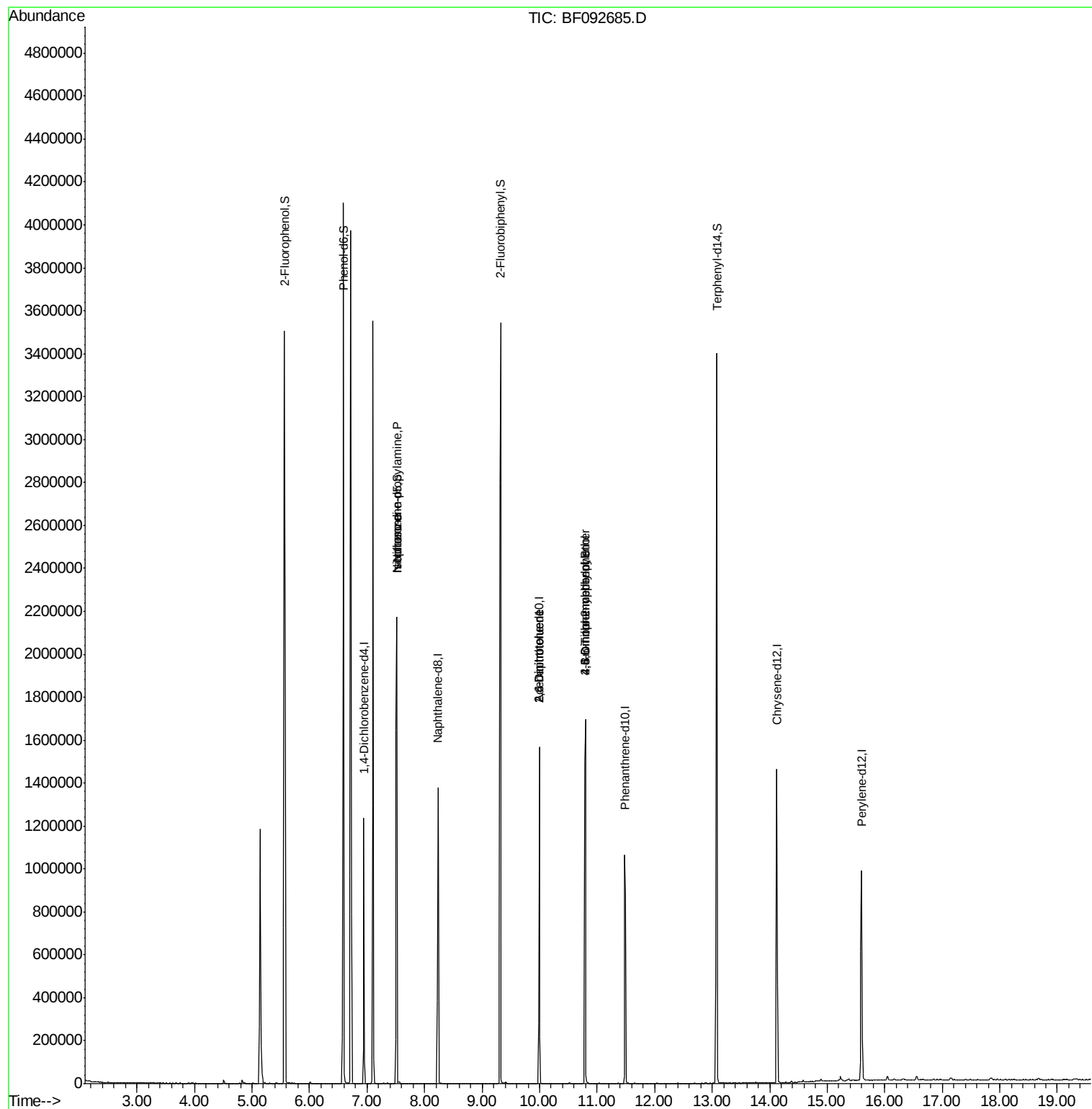
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	168377	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	636410	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	334682	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	553578	20.00	ng	-0.01
75) Chrysene-d12	14.12	240	521154	20.00	ng	-0.02
86) Perylene-d12	15.60	264	461548	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1229018	125.23	ng	-0.01
7) Phenol-d6	6.59	99	1559062	123.46	ng	-0.01
23) Nitrobenzene-d5	7.52	82	945177	82.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	290683	120.09	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1658884	89.80	ng	-0.01
78) Terphenyl-d14	13.08	244	1660666	74.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	124025	15.43	ng	# 77
25) Isophorone	7.52	82	898789	42.21	ng	# 65
50) 2,6-Dinitrotoluene	10.00	165	44160	9.07	ng	# 30
56) 2,4-Dinitrotoluene	10.00	165	44162	6.81	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	743	2.88	ng	# 11
66) 4-Bromophenyl-phenylether	10.80	248	22768	3.94	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: 6.94 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF092685.D

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Instrument :

BNA_F

ClientSampleId :

PB96561TB

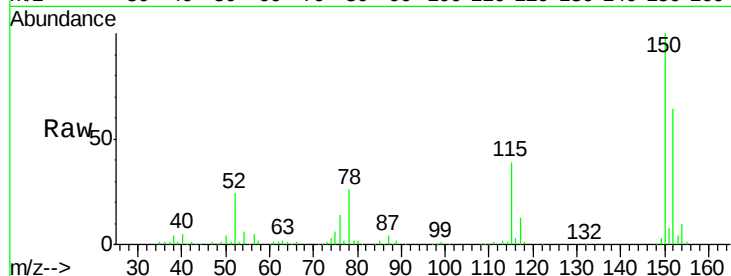
Tot Ion:152 Resp: 168377

Ion Ratio Lower Upper

152 100

150 156.8 124.9 187.3

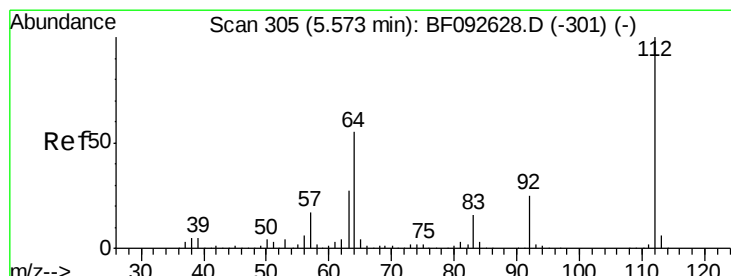
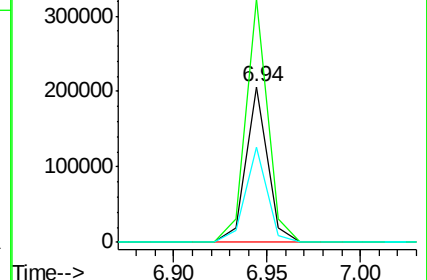
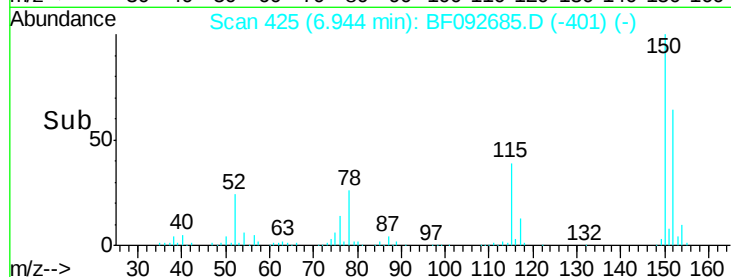
115 61.0 46.0 69.0



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: 125.23 ng

RT: 5.56 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF092685.D

Acq: 31 Jan 2017 17:12

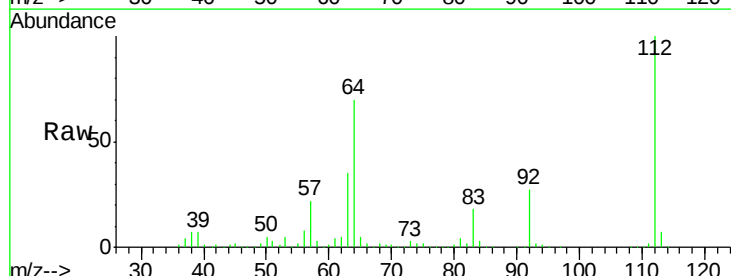
Tgt Ion:112 Resp: 1229018

Ion Ratio Lower Upper

112 100

64 69.8 46.1 69.1#

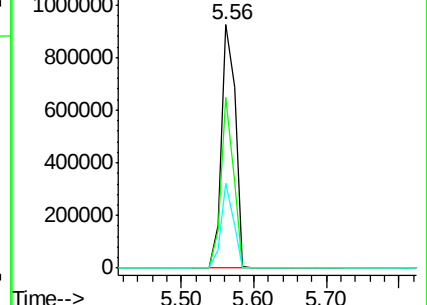
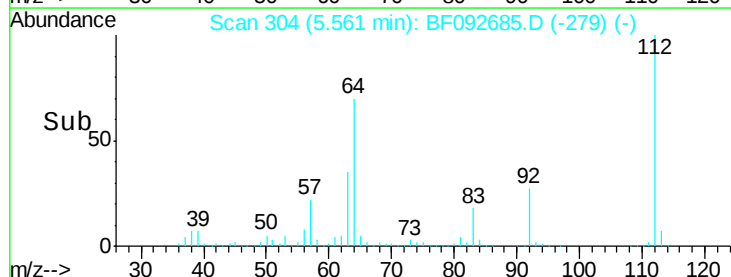
63 34.9 23.8 35.6

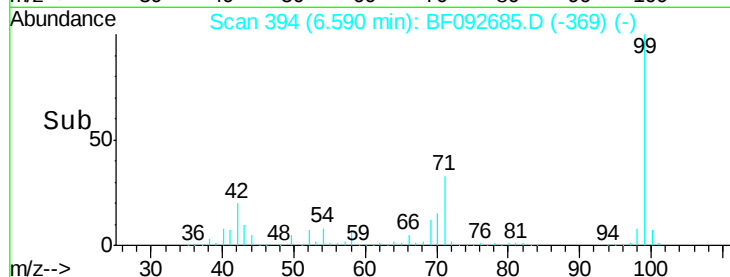
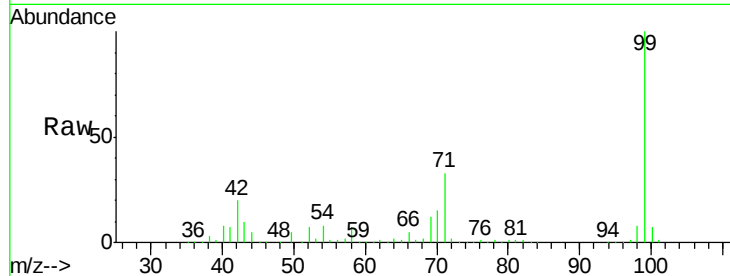


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.46 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092685.D

Acq: 31 Jan 2017 17:12

Instrument :

BNA_F

ClientSampleId :

PB96561TB

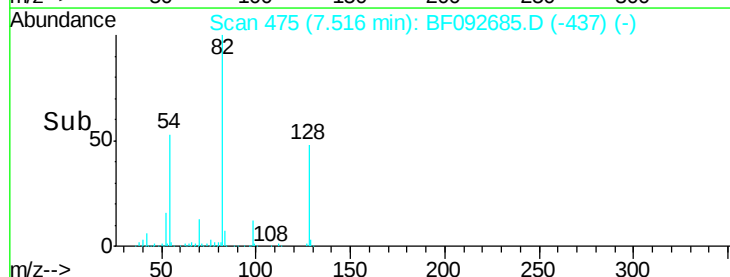
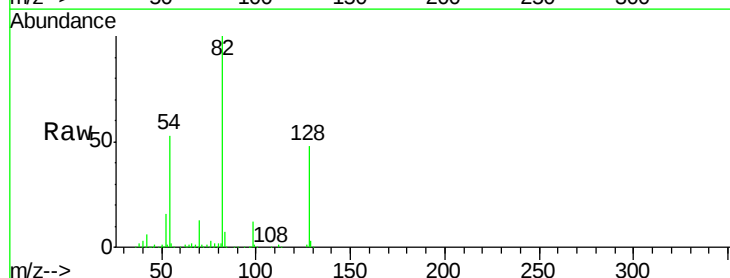
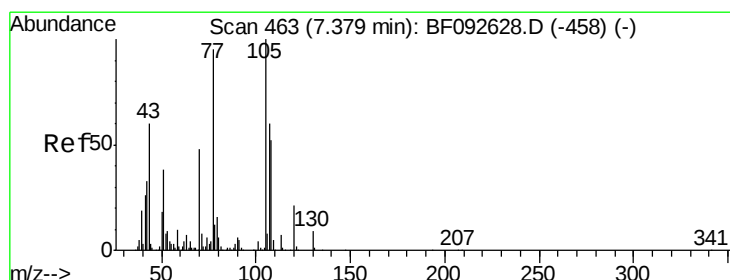
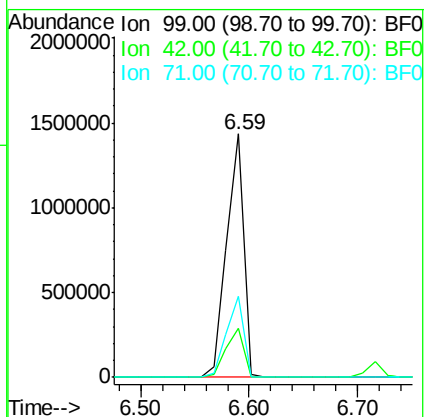
Tot Ion: 99 Resp: 1559062

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

71 33.2 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.43 ng

RT: 7.52 min Scan# 475

Delta R.T. 0.14 min

Lab File: BF092685.D

Acq: 31 Jan 2017 17:12

Tgt Ion: 70 Resp: 124025

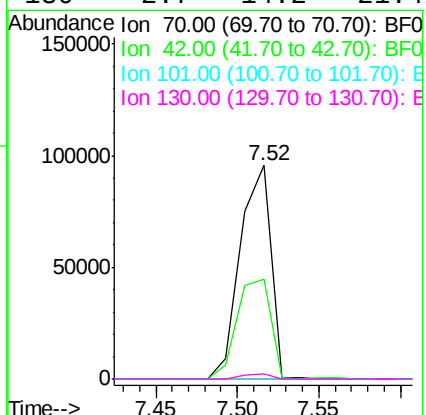
Ion Ratio Lower Upper

70 100

42 46.6 49.4 74.0#

101 0.0 7.4 11.2#

130 2.7 14.2 21.4#

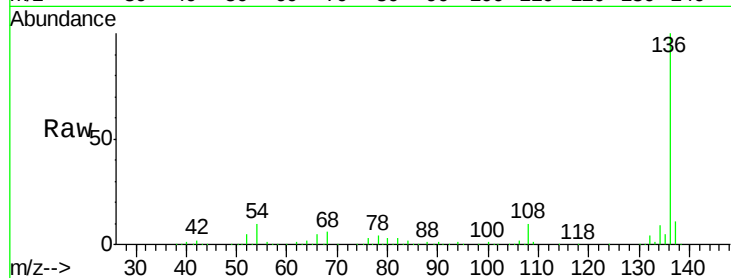




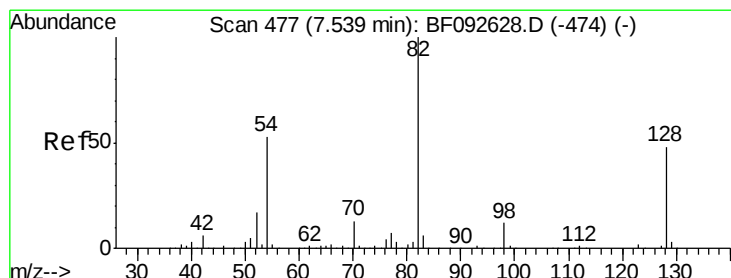
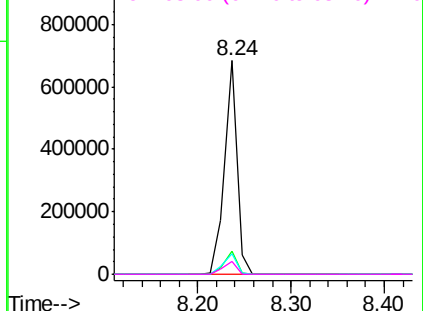
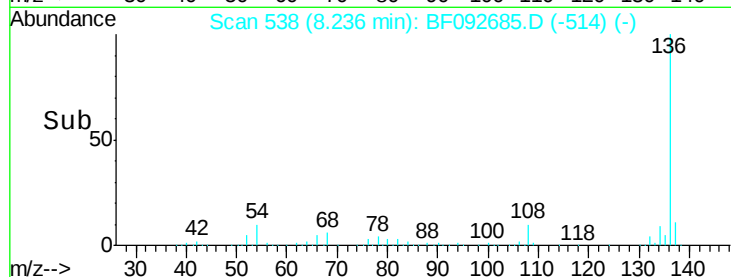
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF092685.D
Acq: 31 Jan 2017 17:12

Instrument :
BNA_F
ClientSampleId :
PB96561TB

Tot Ion:136	Resp:	636410
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.4 12.6
54	9.6	4.5 6.7#
68	6.2	3.6 5.4#

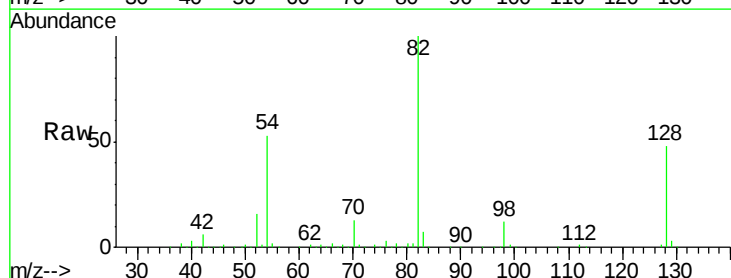


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

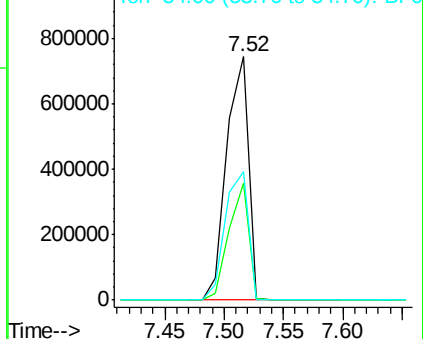
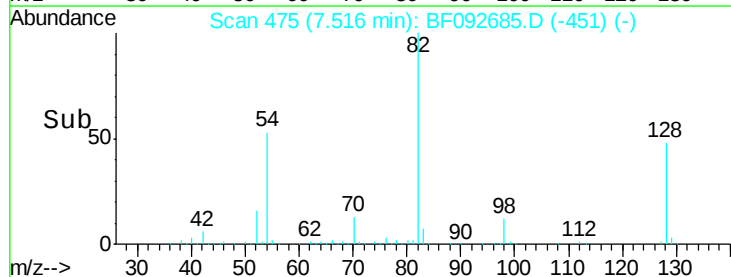


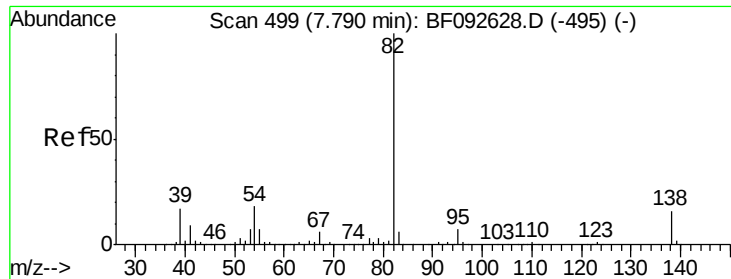
#23
Nitrobenzene-d5
Concen: 82.71 ng
RT: 7.52 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF092685.D
Acq: 31 Jan 2017 17:12

Tgt Ion: 82	Resp:	945177
Ion Ratio	Lower	Upper
82	100	
128	48.1	34.6 52.0
54	52.8	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: 42.21 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.27 min

Lab File: BF092685.D

Acq: 31 Jan 2017 17:12

Instrument :

BNA_F

ClientSampleID :

PB96561TB

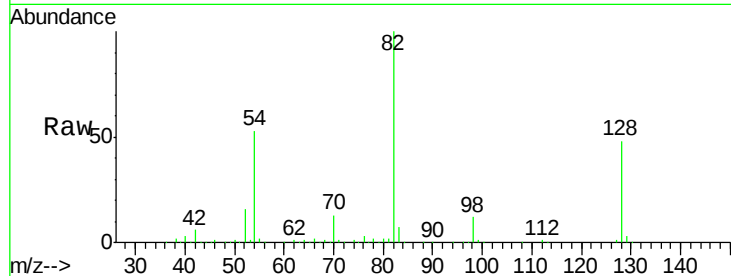
Tot Ion: 82 Resp: 898789

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

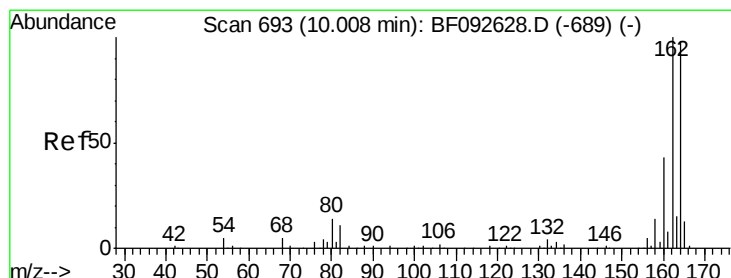
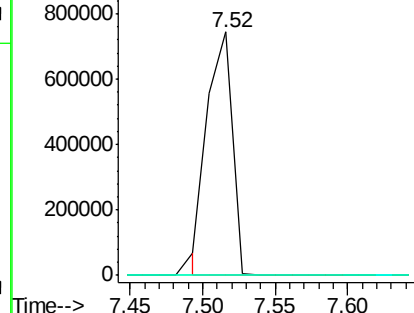
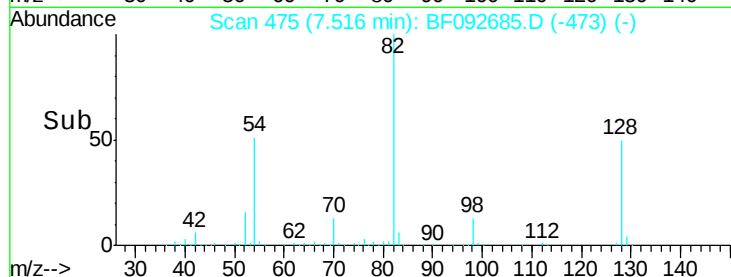
138 0.0 14.6 22.0#



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: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF092685.D

Acq: 31 Jan 2017 17:12

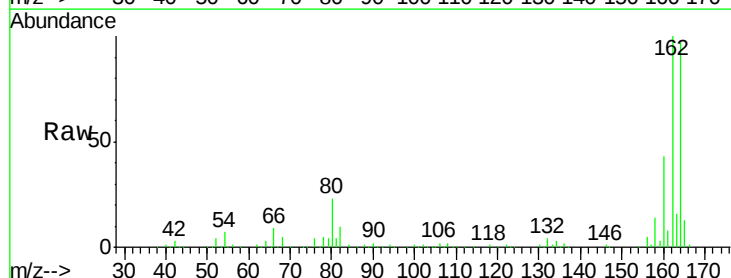
Tgt Ion: 164 Resp: 334682

Ion Ratio Lower Upper

164 100

162 103.6 80.2 120.2

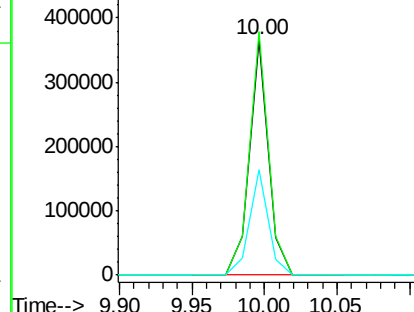
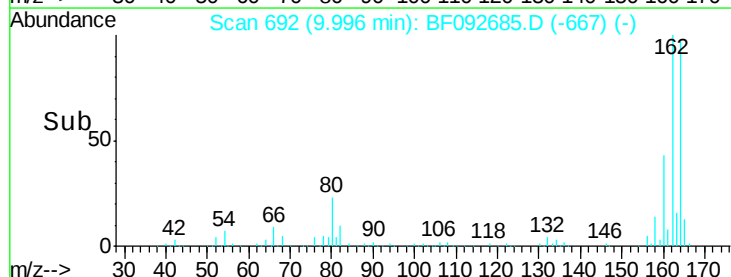
160 44.9 36.9 55.3

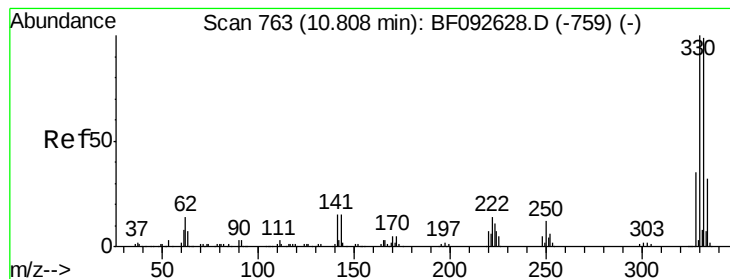


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

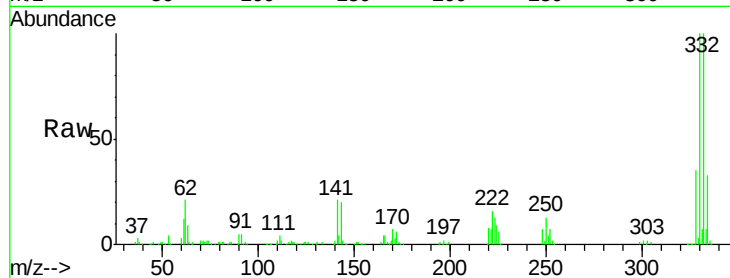




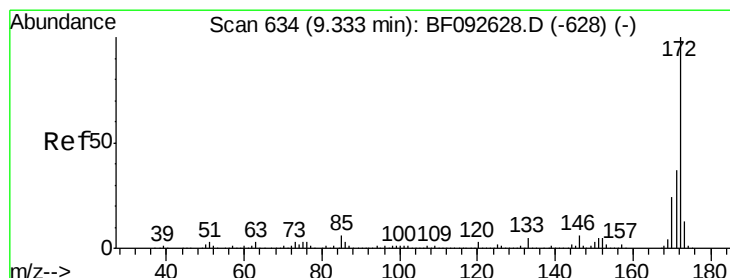
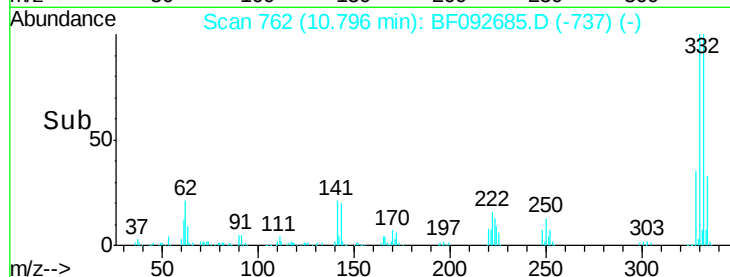
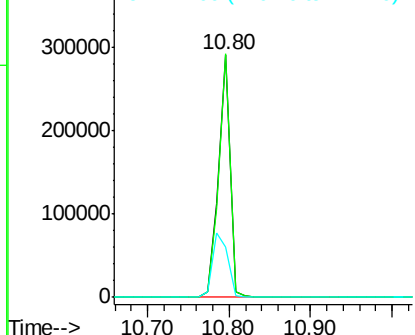
#41
 2,4,6-Tribromophenol
 Concen: 120.09 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF092685.D
 Acq: 31 Jan 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 PB96561TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.4	116.2
141	34.8	34.1	51.1

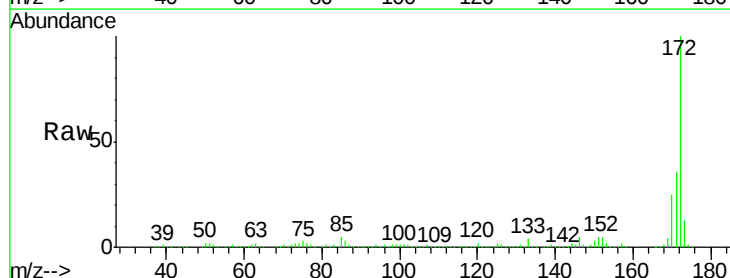


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

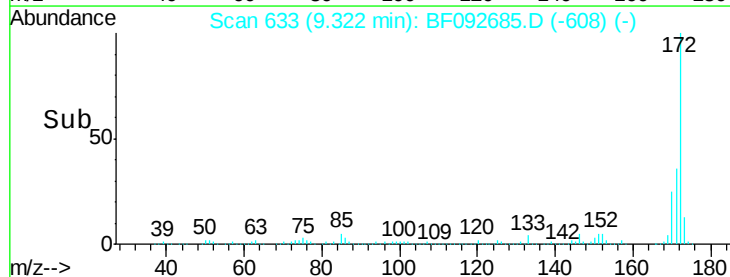
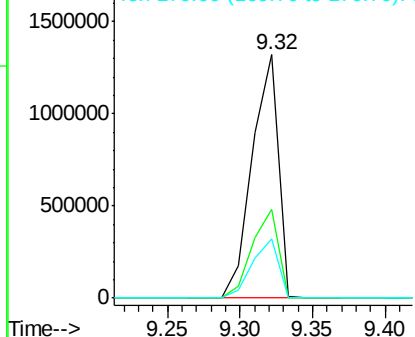


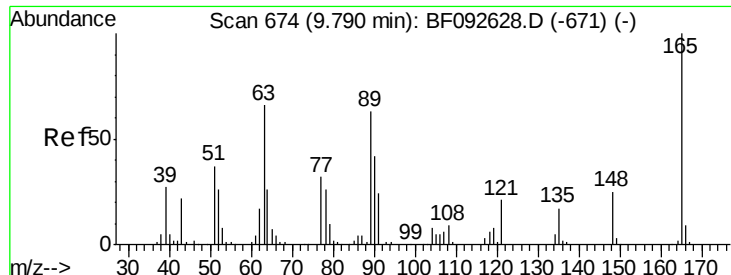
#44
 2-Fluorobiphenyl
 Concen: 89.80 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF092685.D
 Acq: 31 Jan 2017 17:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.6	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

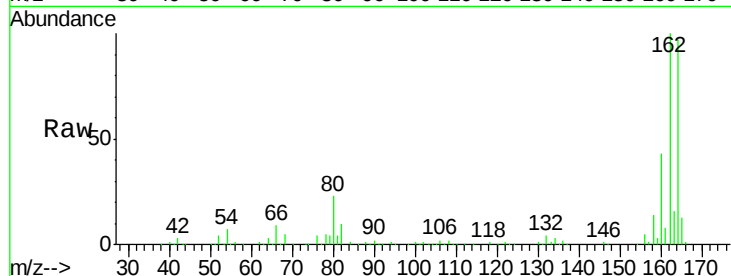




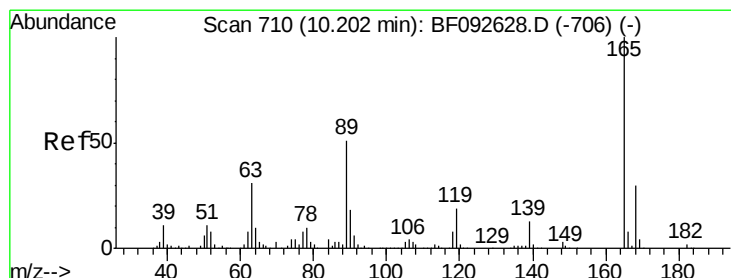
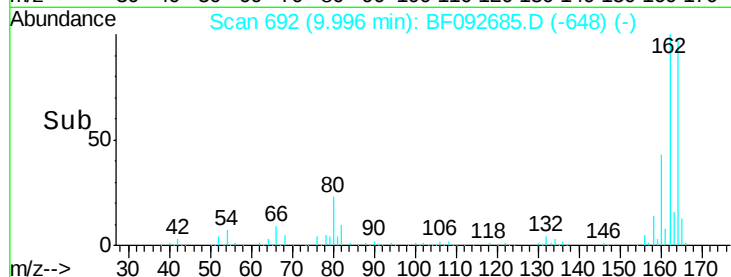
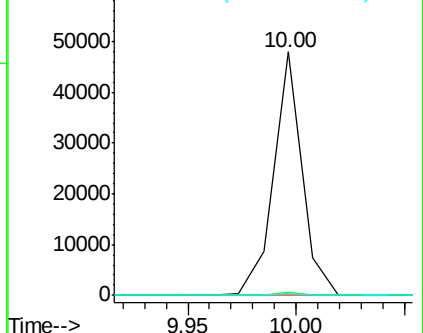
#50
2,6-Dinitrotoluene
Concen: 9.07 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.21 min
Lab File: BF092685.D
Acq: 31 Jan 2017 17:12

Instrument :
BNA_F
ClientSampleId :
PB96561TB

Tot Ion:165 Resp: 44160
Ion Ratio Lower Upper
165 100
63 1.1 36.2 54.4#
89 0.7 40.2 60.4#

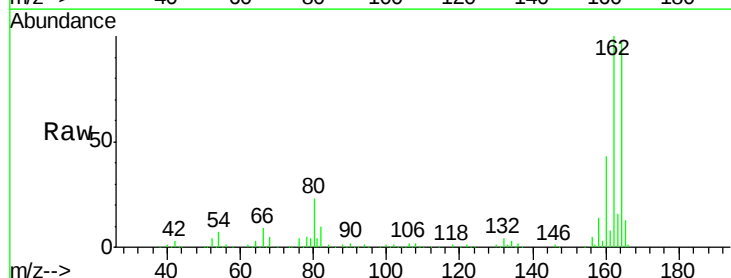


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

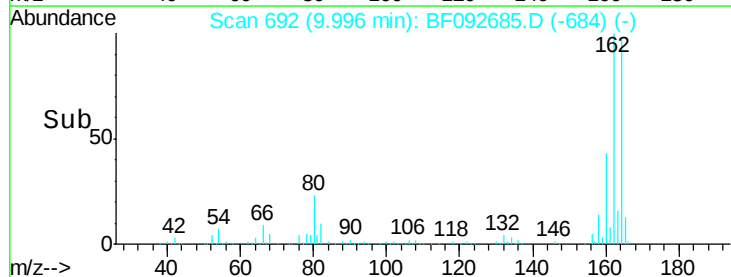
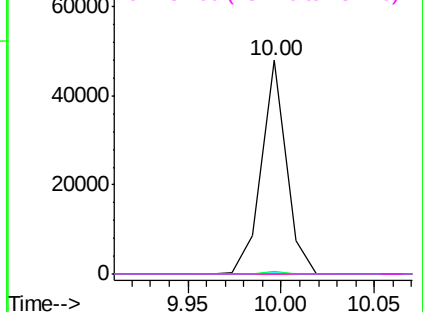


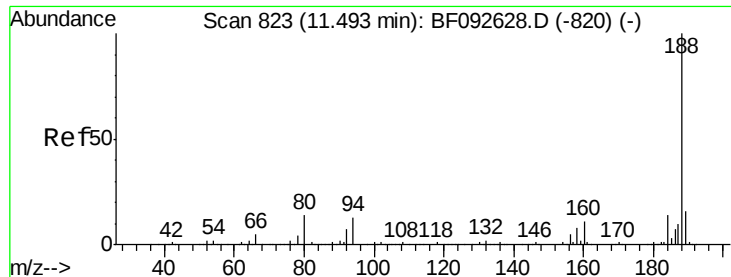
#56
2,4-Dinitrotoluene
Concen: 6.81 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.21 min
Lab File: BF092685.D
Acq: 31 Jan 2017 17:12

Tgt Ion:165 Resp: 44162
Ion Ratio Lower Upper
165 100
63 1.1 40.2 60.4#
89 0.7 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

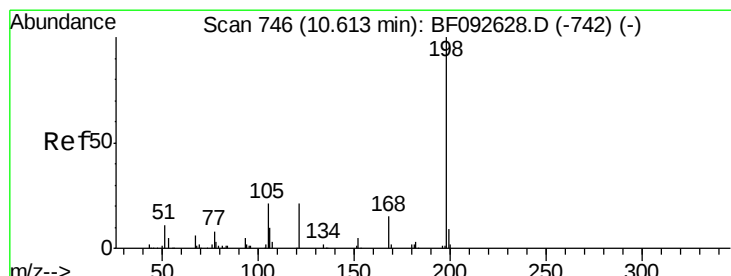
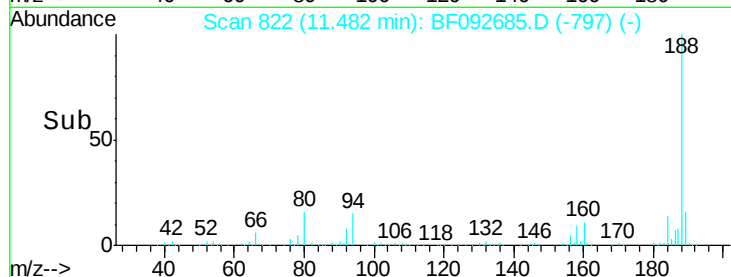
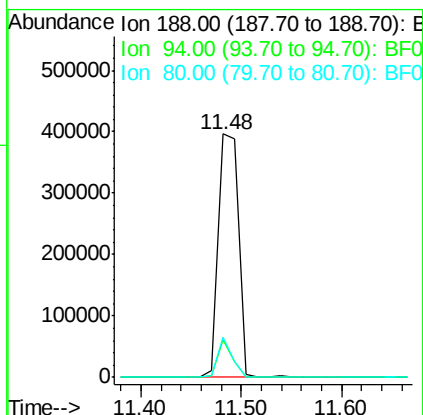
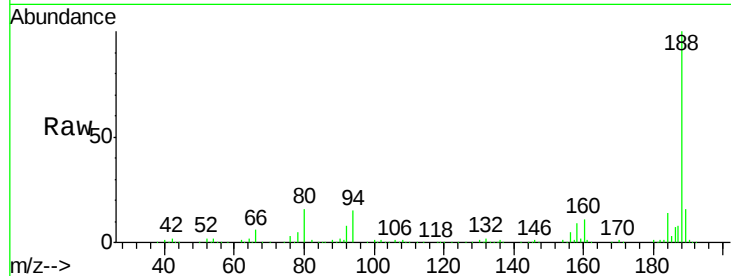




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF092685.D
Acq: 31 Jan 2017 17:12

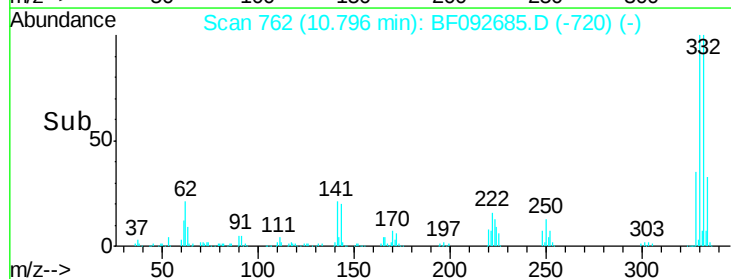
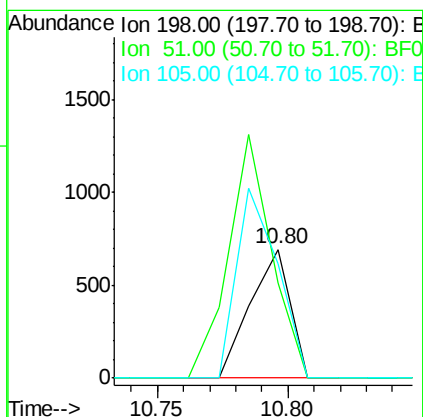
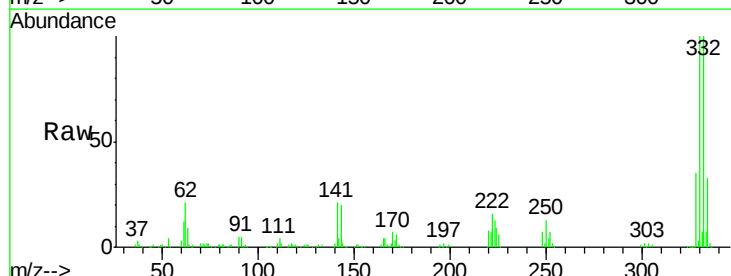
Instrument :
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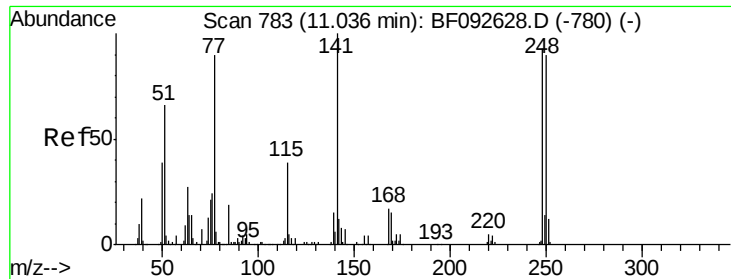
Tot Ion:188 Resp: 553578
Ion Ratio Lower Upper
188 100
94 15.2 10.0 15.0#
80 16.4 11.2 16.8



#64
4,6-Dinitro-2-methylphenol
Concen: 2.88 ng
RT: 10.80 min Scan# 762
Delta R.T. 0.18 min
Lab File: BF092685.D
Acq: 31 Jan 2017 17:12

Tgt Ion:198 Resp: 743
Ion Ratio Lower Upper
198 100
51 73.5 6.7 46.7#
105 88.3 16.6 56.6#

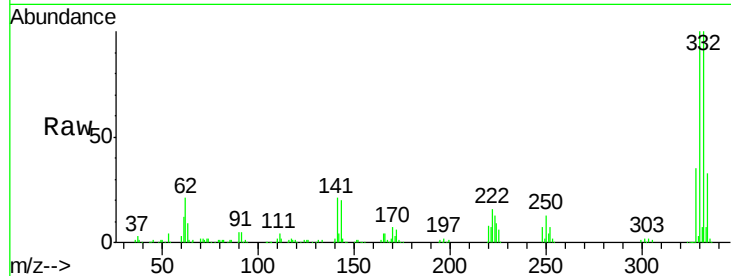




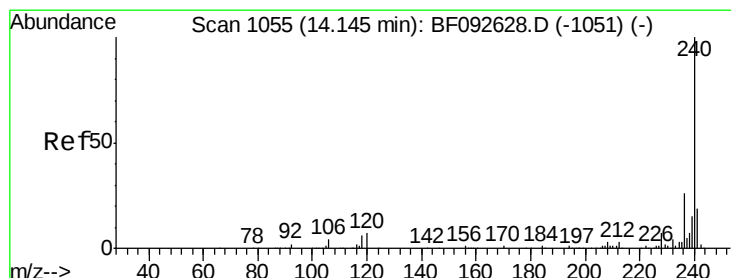
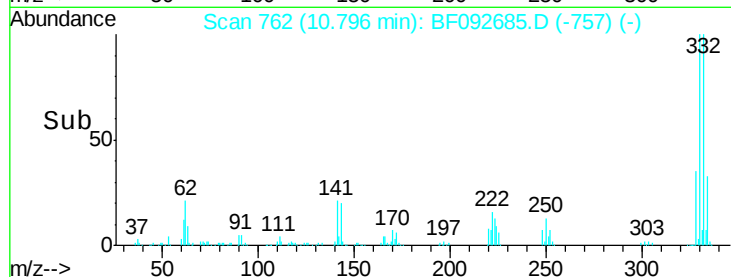
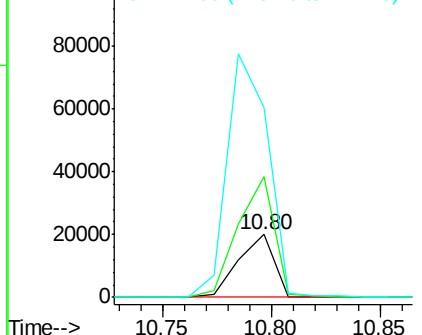
#66
 4-Bromophenyl-phenylether
 Concen: 3.94 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.24 min
 Lab File: BF092685.D
 Acq: 31 Jan 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 PB96561TB

Tot Ion:248 Resp: 22768
 Ion Ratio Lower Upper
 248 100
 250 192.6 76.9 115.3#
 141 303.0 68.2 102.4#

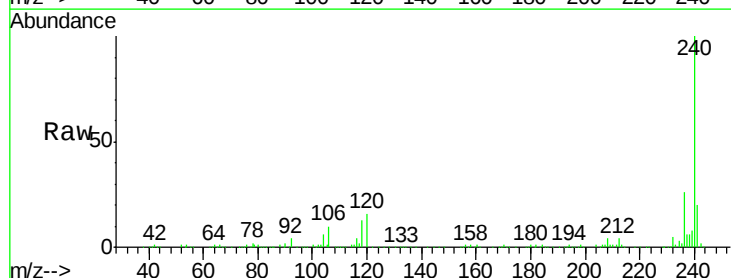


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

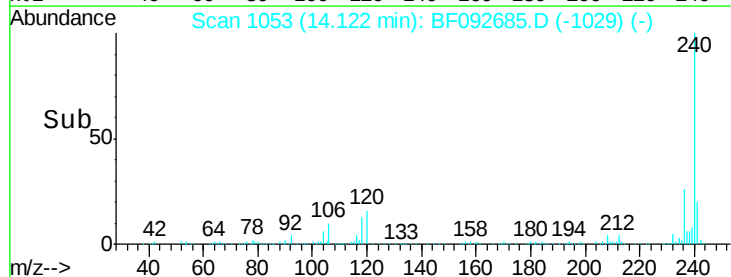
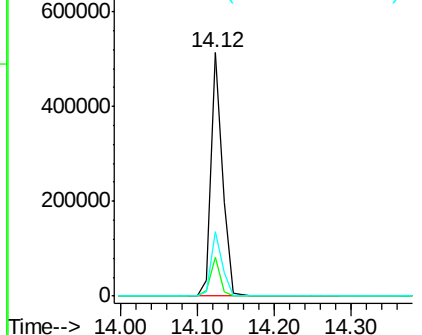


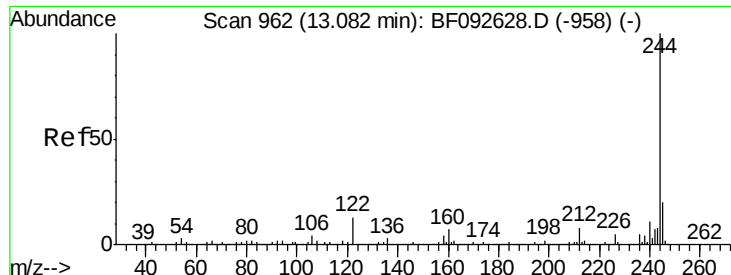
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.12 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: BF092685.D
 Acq: 31 Jan 2017 17:12

Tgt Ion:240 Resp: 521154
 Ion Ratio Lower Upper
 240 100
 120 16.2 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: 74.87 ng

RT: 13.08 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF092685.D

Acq: 31 Jan 2017 17:12

Instrument :

BNA_F

ClientSampleId :

PB96561TB

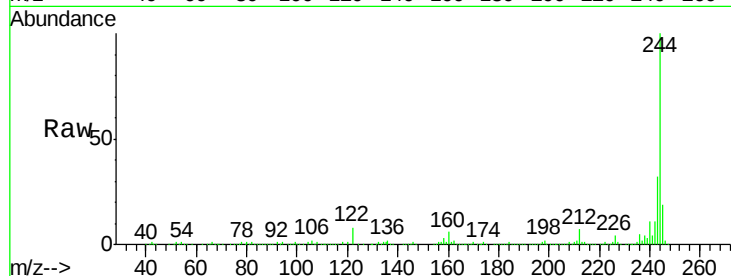
Tot Ion:244 Resp: 1660666

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

122 7.5 11.4 17.2#

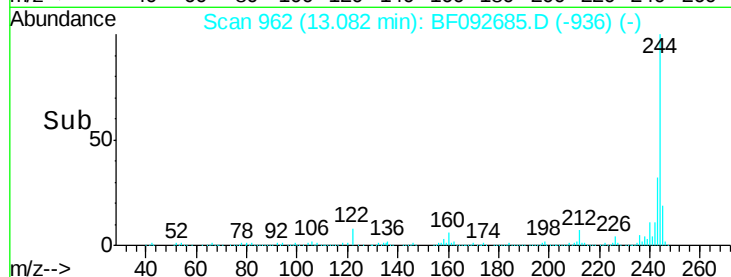


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



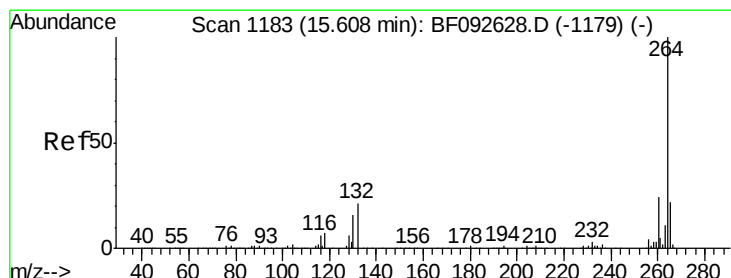
Abundance

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

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.60 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF092685.D

Acq: 31 Jan 2017 17:12

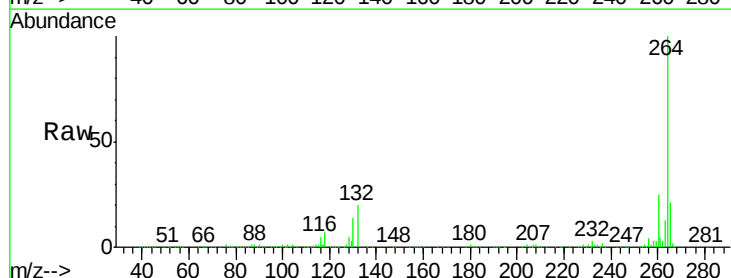
Tgt Ion:264 Resp: 461548

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.2 17.4 26.0

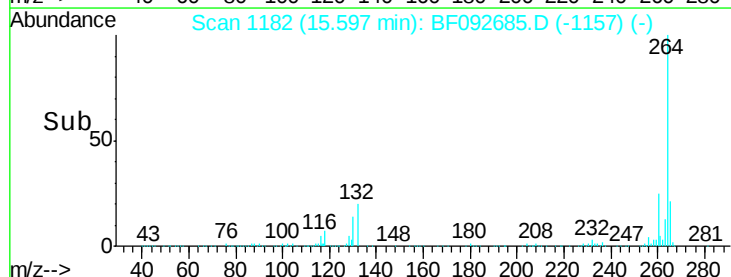


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



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

Time-->