

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092583.D
 Acq On : 27 Jan 2017 18:42
 Operator : SJ/MA
 Sample : PB96383BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96383BL

Quant Time: Jan 27 22:00:54 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

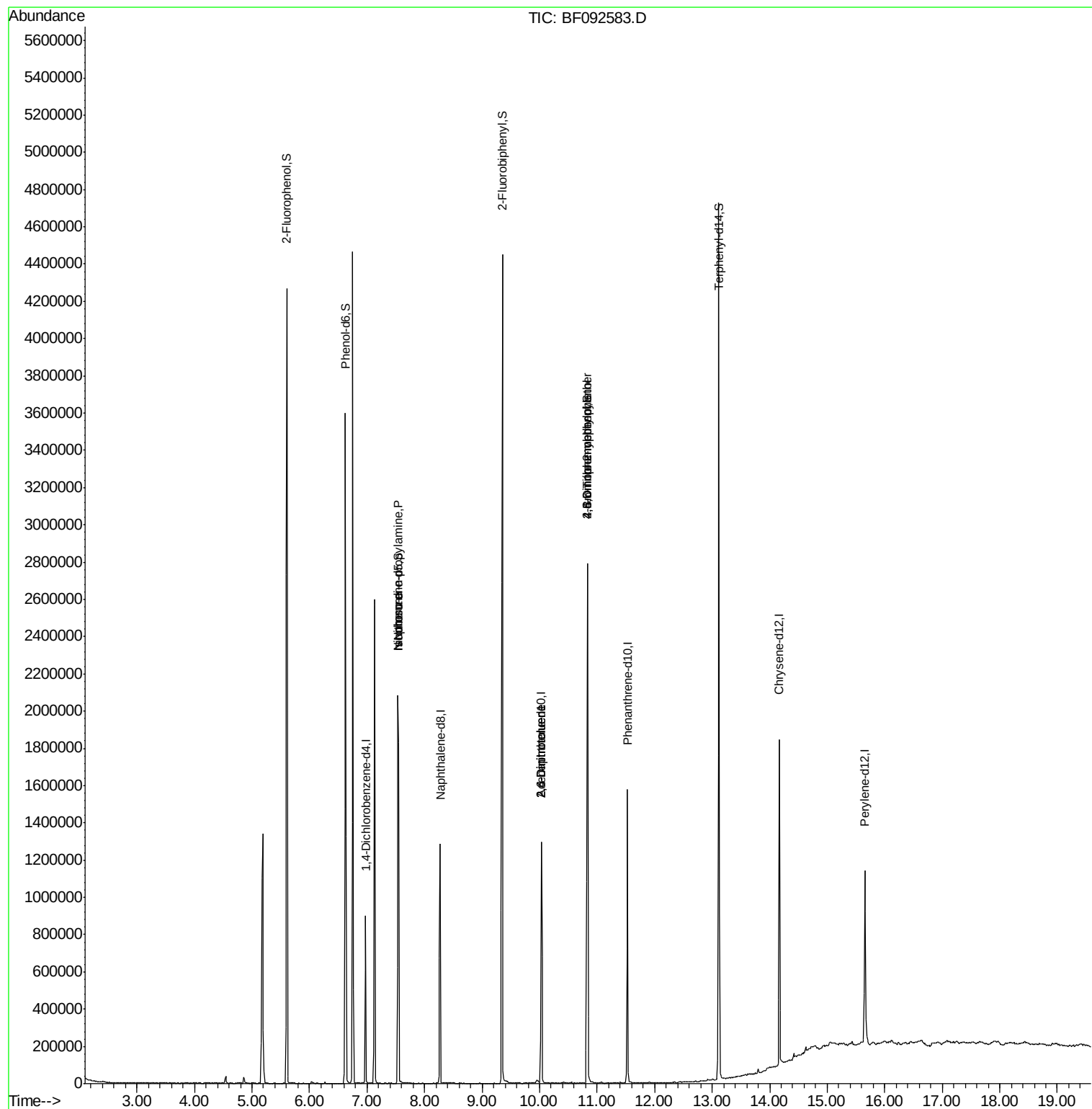
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	173073	20.00	ng	0.01
21) Naphthalene-d8	8.27	136	692300	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	366322	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	668028	20.00	ng	0.00
75) Chrysene-d12	14.17	240	609520	20.00	ng	0.00
86) Perylene-d12	15.65	264	534265	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1377695	123.85	ng	0.06
7) Phenol-d6	6.62	99	1567856	110.65	ng	0.03
23) Nitrobenzene-d5	7.54	82	1058384	83.51	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	342025	137.01	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	1942178	98.04	ng	0.00
78) Terphenyl-d14	13.12	244	1674552	73.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	139410	14.45	ng	# 85
25) Isophorone	7.54	82	909845	36.43	ng	# 65
50) 2,6-Dinitrotoluene	10.03	165	47135	9.90	ng	# 31
56) 2,4-Dinitrotoluene	10.03	165	47138	7.46	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.83	198	951	5.19	ng	# 1
66) 4-Bromophenyl-phenylether	10.83	248	25662	3.80	ng	# 1

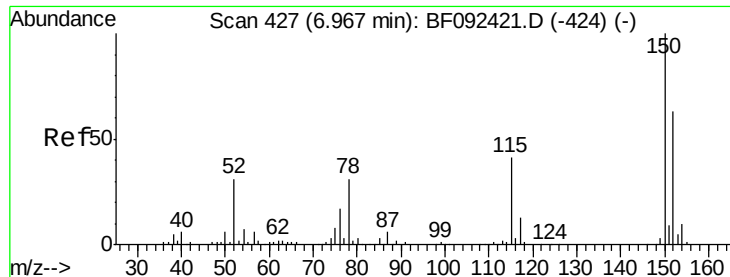
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

Instrument :

BNA_F

ClientSampleId :

PB96383BL

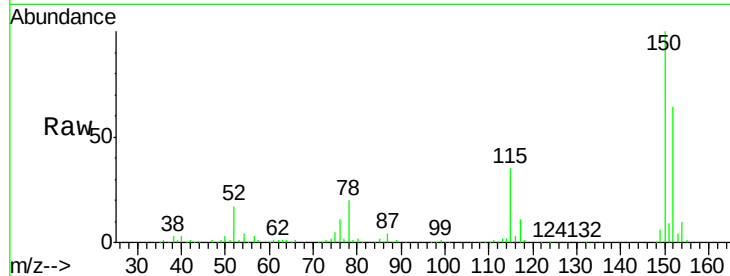
Tgt Ion:152 Resp: 173073

Ion Ratio Lower Upper

152 100

150 155.7 124.9 187.3

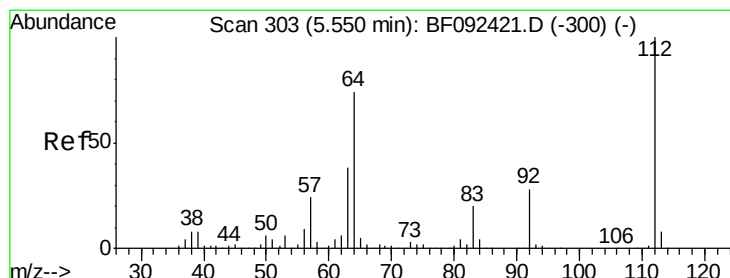
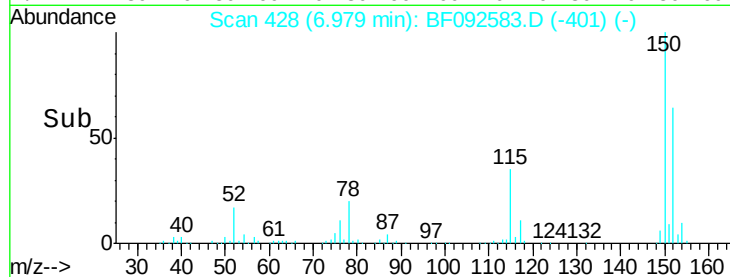
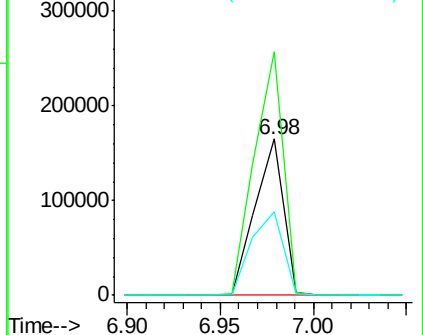
115 53.7 46.0 69.0



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: 123.85 ng

RT: 5.61 min Scan# 308

Delta R.T. 0.06 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

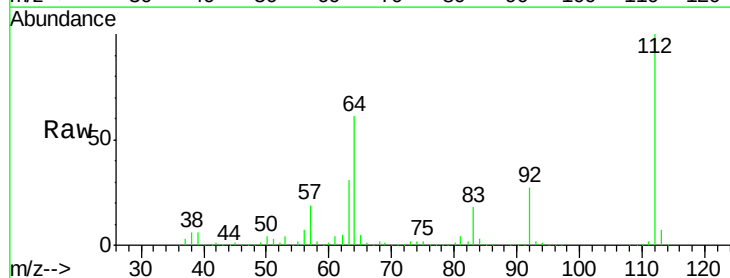
Tgt Ion:112 Resp: 1377695

Ion Ratio Lower Upper

112 100

64 61.1 46.1 69.1

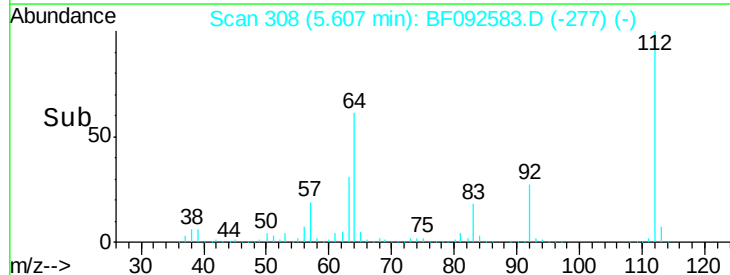
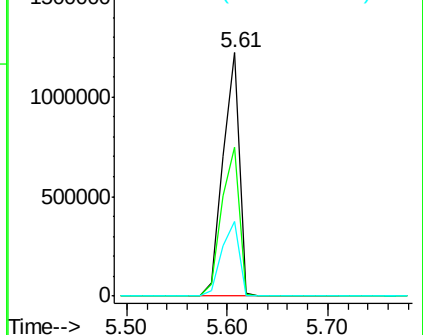
63 30.9 23.8 35.6

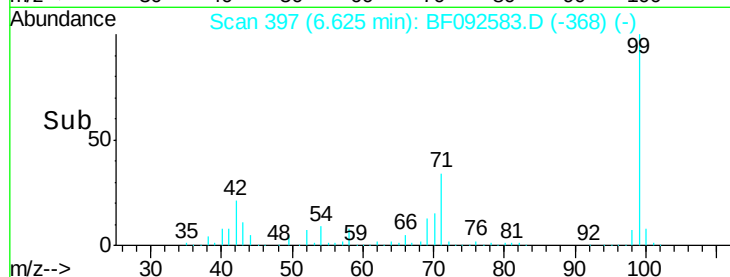
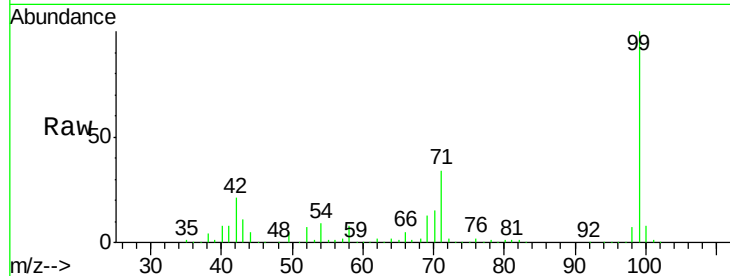
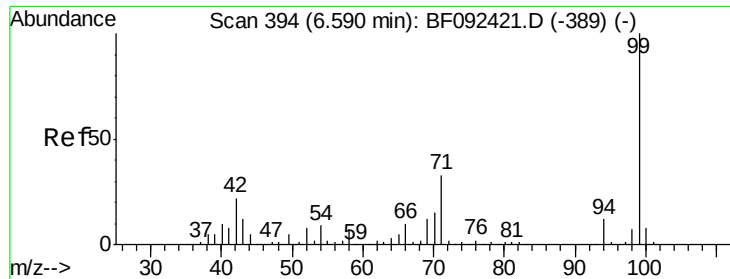


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.65 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

Instrument :

BNA_F

ClientSampleId :

PB96383BL

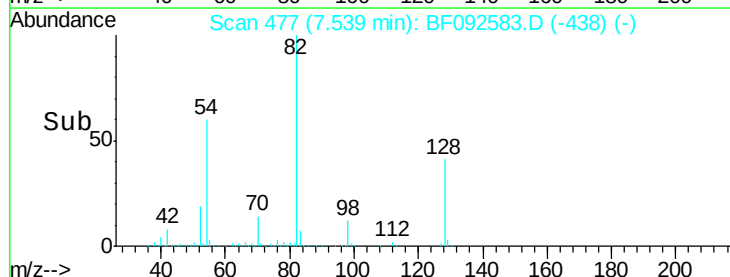
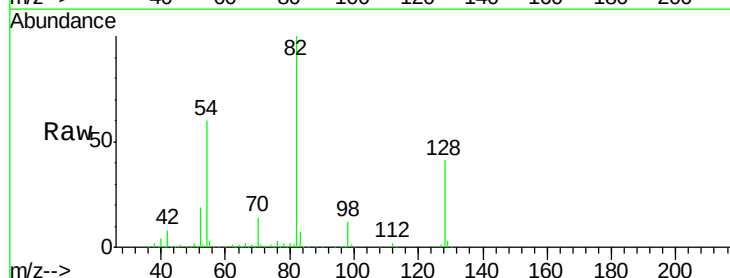
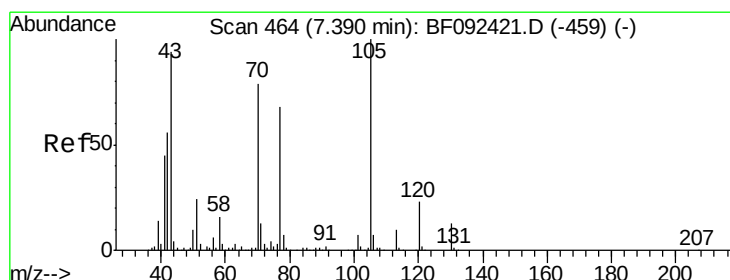
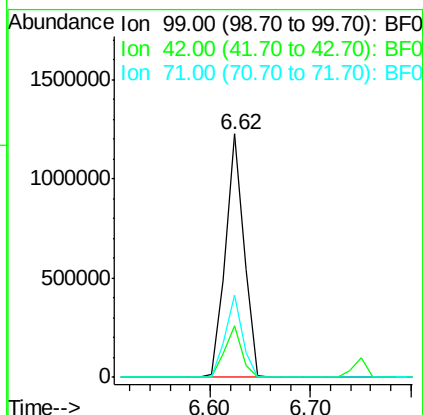
Tgt Ion: 99 Resp: 1567856

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

71 33.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.45 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

Tgt Ion: 70 Resp: 139410

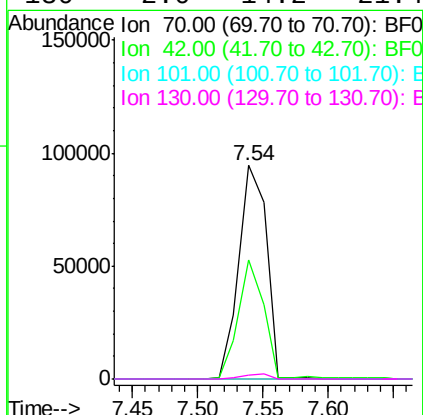
Ion Ratio Lower Upper

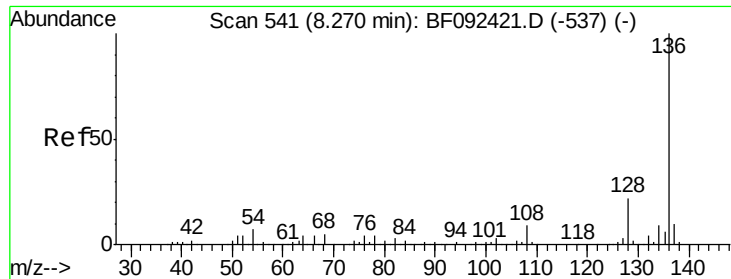
70 100

42 56.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

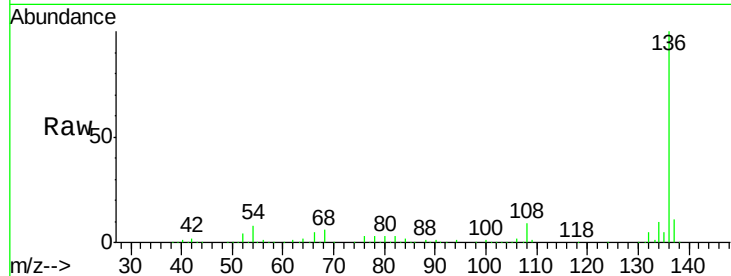




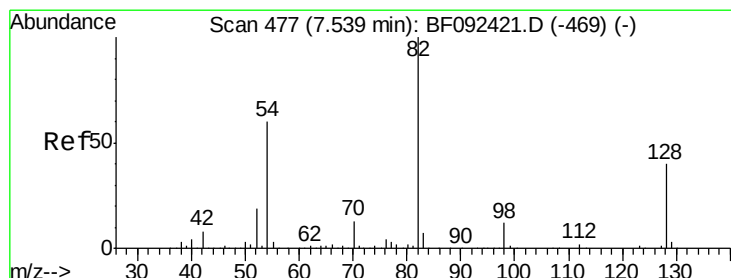
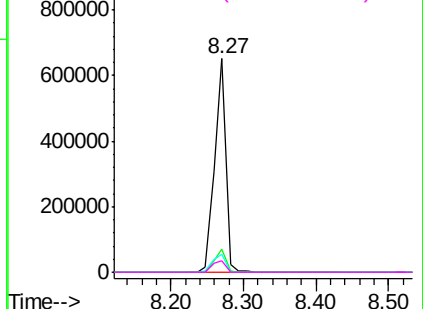
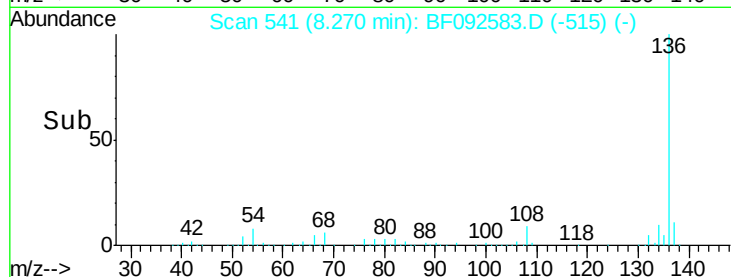
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF092583.D
Acq: 27 Jan 2017 18:42

Instrument :
BNA_F
ClientSampleId :
PB96383BL

Tgt Ion:	136	Resp:	692300
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.3	4.5	6.7#
68	5.6	3.6	5.4#

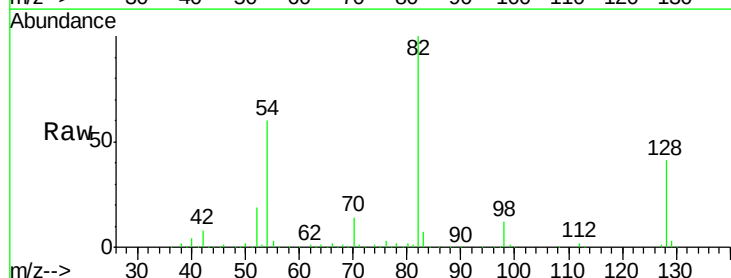


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

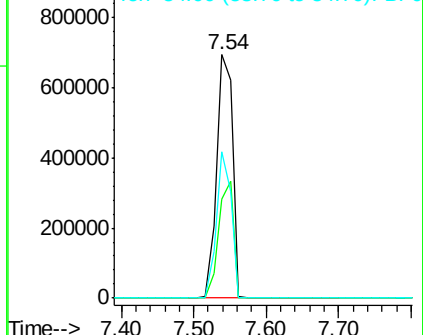
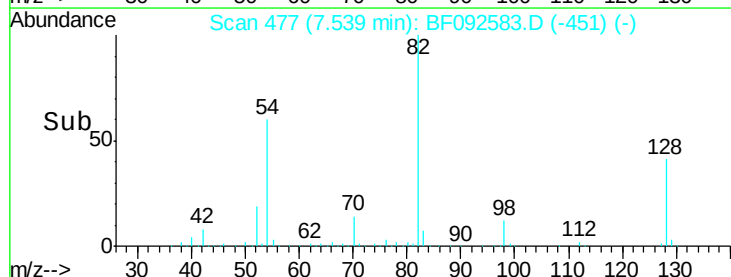


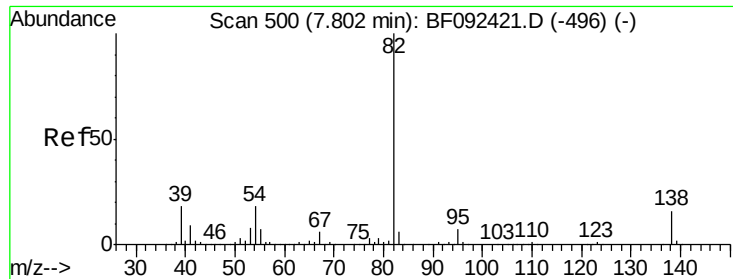
#23
Nitrobenzene-d5
Concen: 83.51 ng
RT: 7.54 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF092583.D
Acq: 27 Jan 2017 18:42

Tgt Ion:	82	Resp:	1058384
Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.6	52.0
54	60.2	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: 36.43 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

Instrument :

BNA_F

ClientSampleId :

PB96383BL

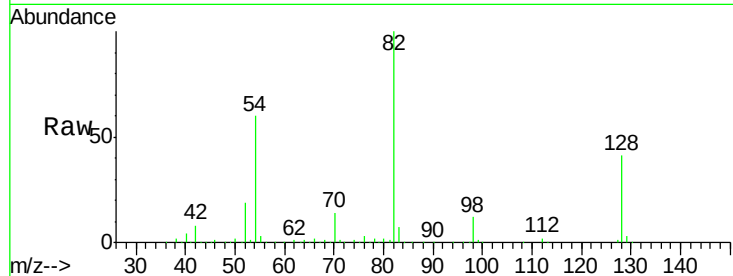
Tgt Ion: 82 Resp: 909845

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

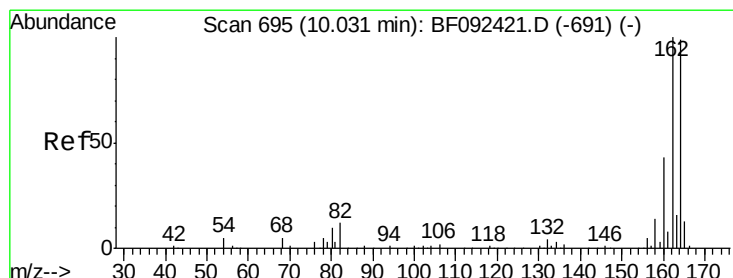
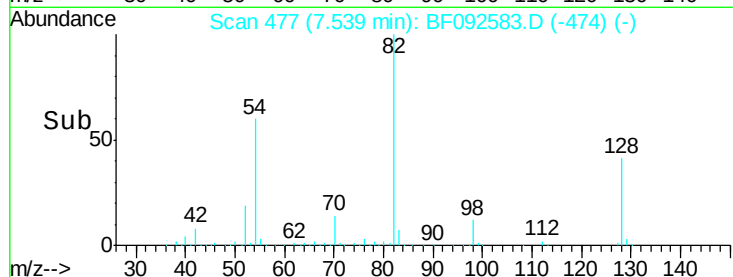
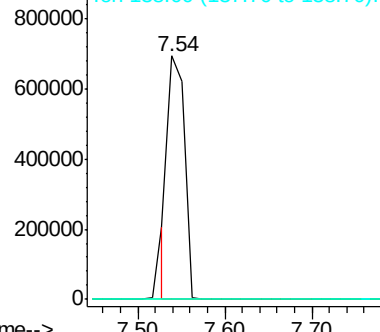
138 0.0 14.6 22.0#



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: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

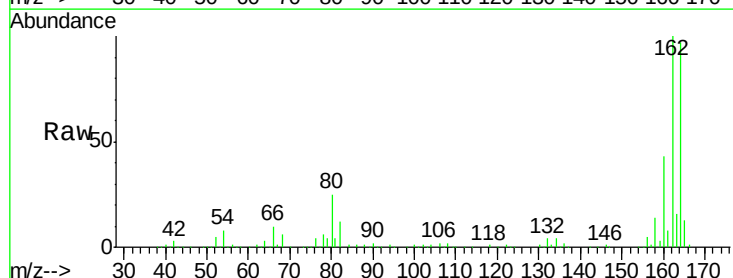
Tgt Ion: 164 Resp: 366322

Ion Ratio Lower Upper

164 100

162 102.8 80.2 120.2

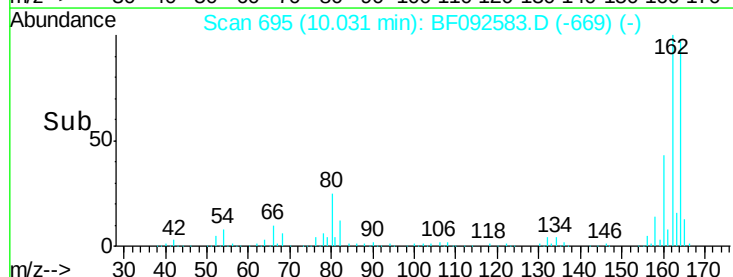
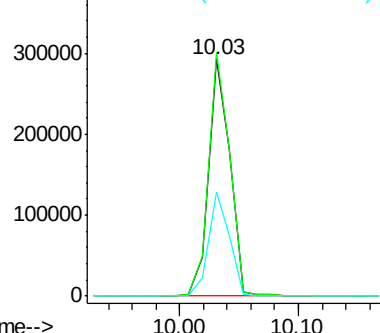
160 43.9 36.9 55.3

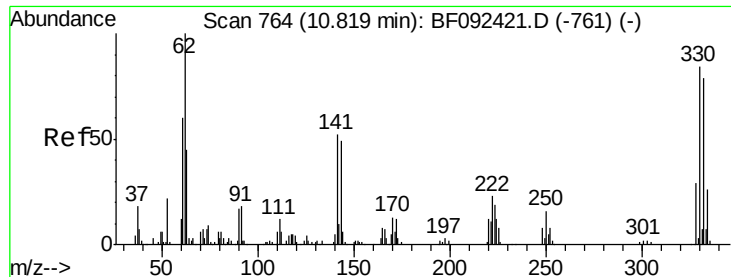


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

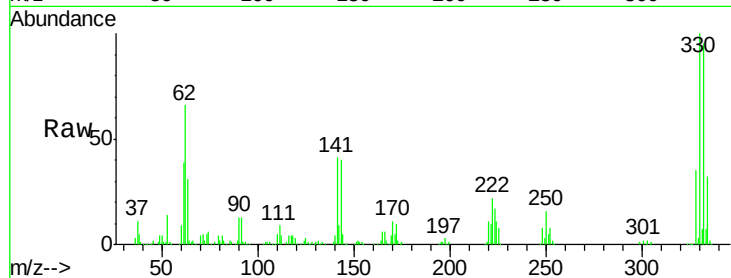




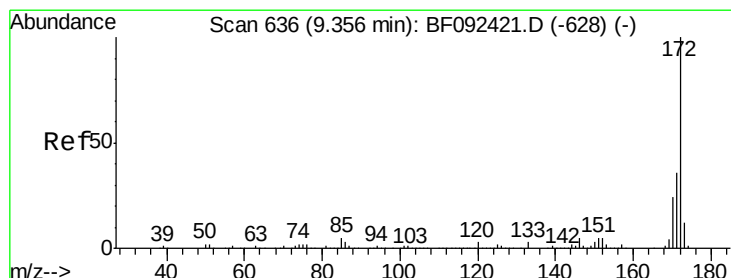
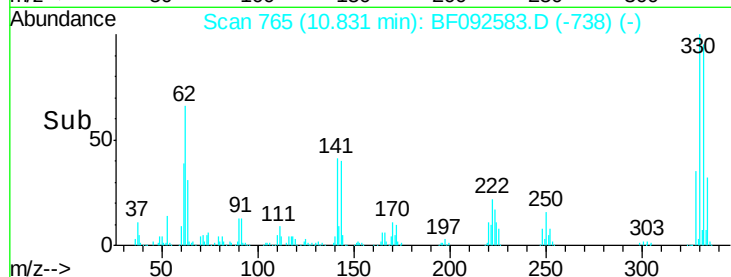
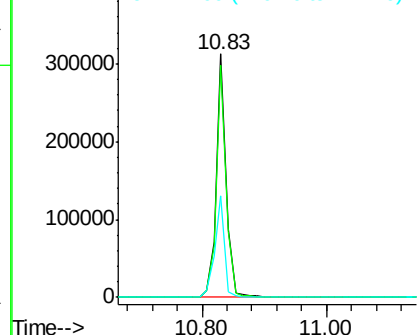
#41
 2,4,6-Tribromophenol
 Concen: 137.01 ng
 RT: 10.83 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: BF092583.D
 Acq: 27 Jan 2017 18:42

Instrument :
 BNA_F
 ClientSampleId :
 PB96383BL

Tgt Ion:330 Resp: 342025
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.4 116.2
 141 40.9 34.1 51.1

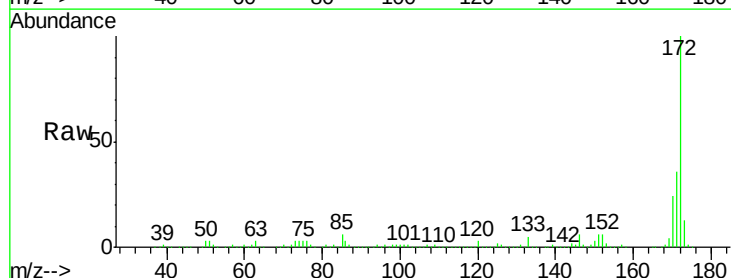


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

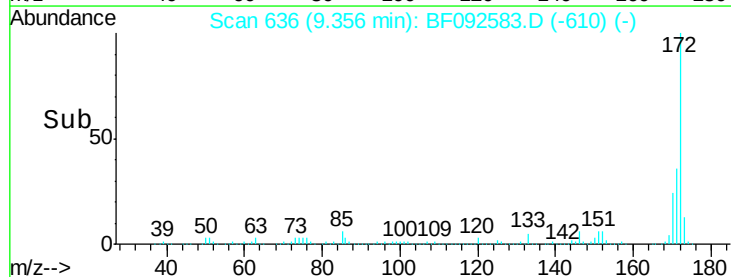
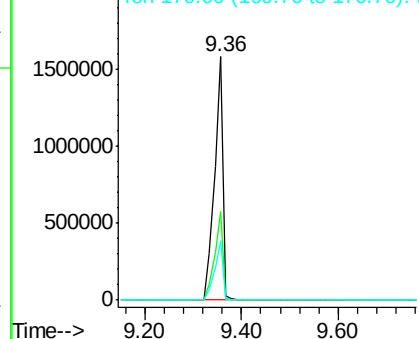


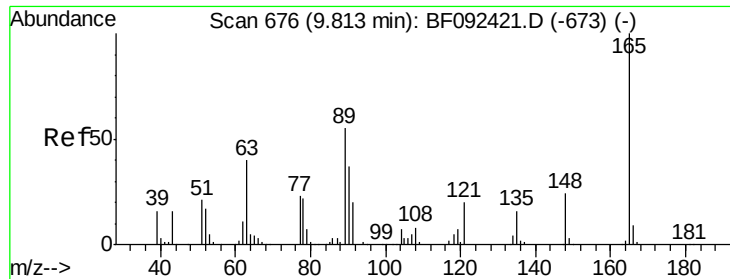
#44
 2-Fluorobiphenyl
 Concen: 98.04 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF092583.D
 Acq: 27 Jan 2017 18:42

Tgt Ion:172 Resp: 1942178
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.2 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: 9.90 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.22 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

Instrument :

BNA_F

ClientSampleId :

PB96383BL

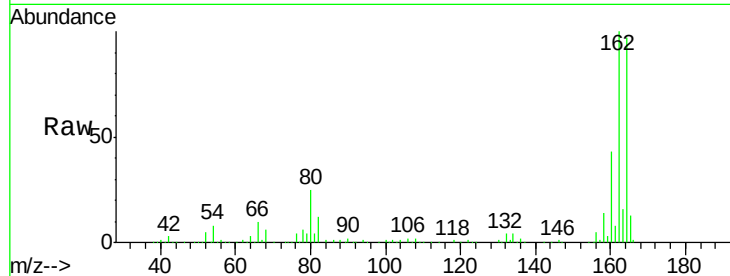
Tgt Ion:165 Resp: 47135

Ion Ratio Lower Upper

165 100

63 0.9 36.2 54.4#

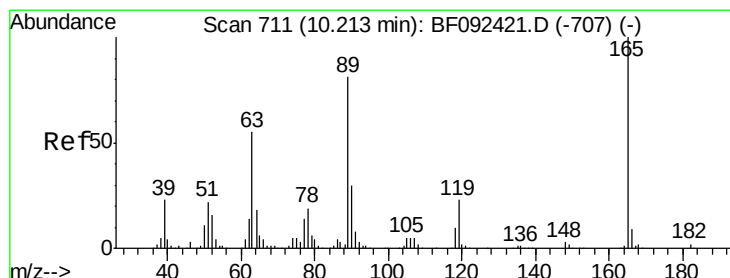
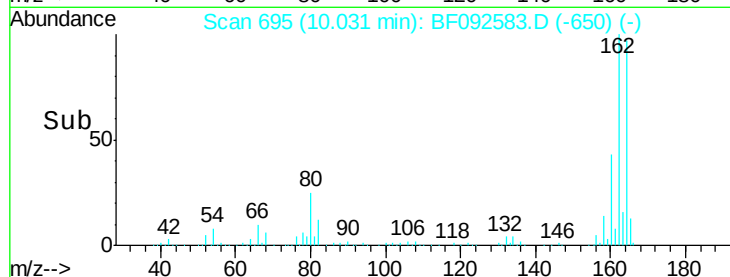
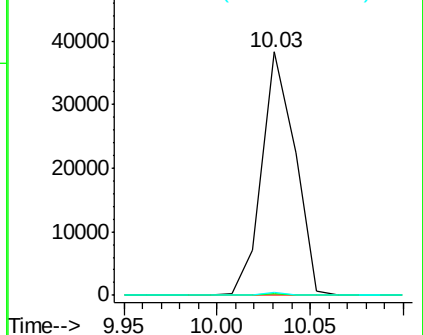
89 1.3 40.2 60.4#



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: 7.46 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.18 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

Tgt Ion:165 Resp: 47138

Ion Ratio Lower Upper

165 100

63 0.9 40.2 60.4#

89 1.3 62.5 93.7#

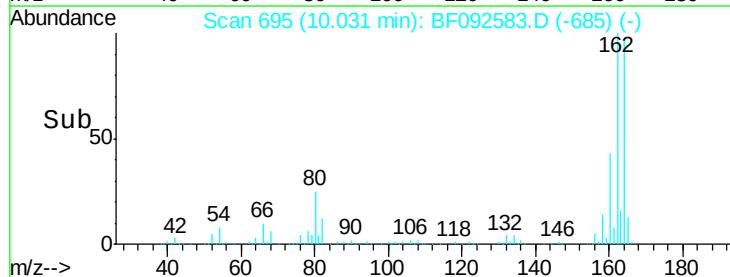
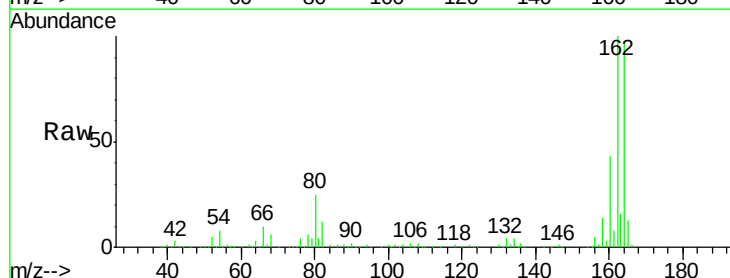
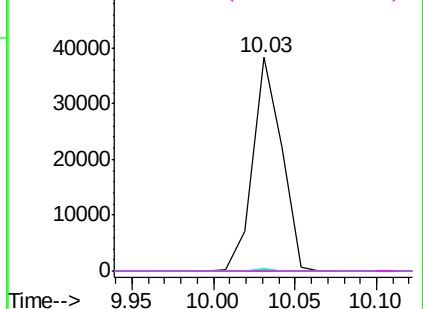
182 0.0 1.8 2.8#

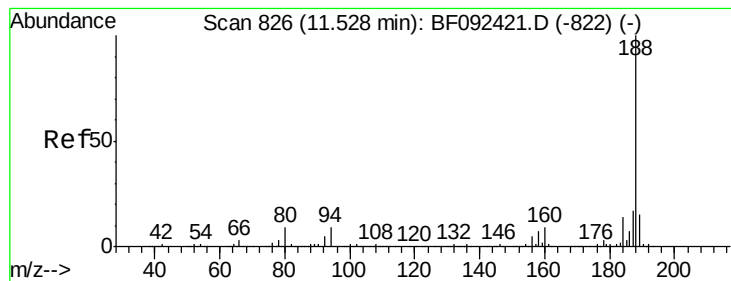
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

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PB96383BL

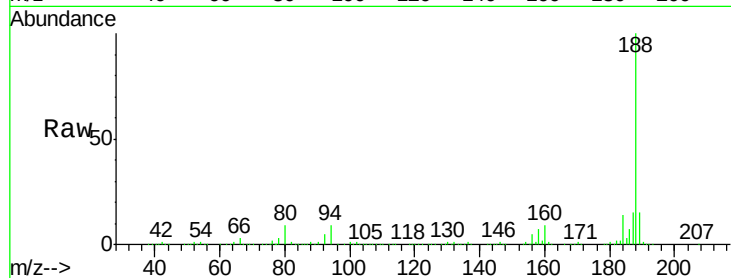
Tgt Ion:188 Resp: 668028

Ion Ratio Lower Upper

188 100

94 8.9 10.0 15.0#

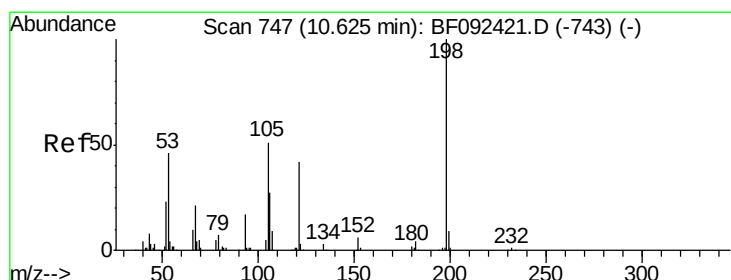
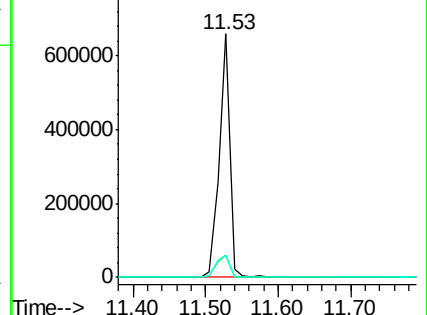
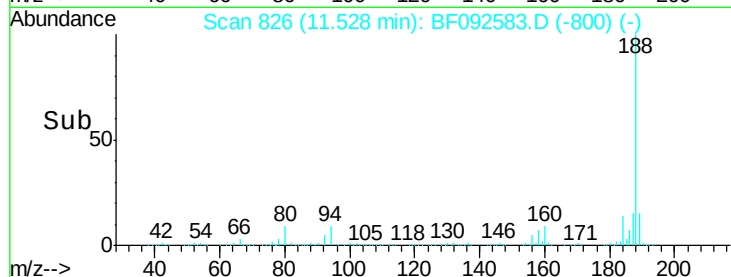
80 8.9 11.2 16.8#



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: 5.19 ng

RT: 10.83 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

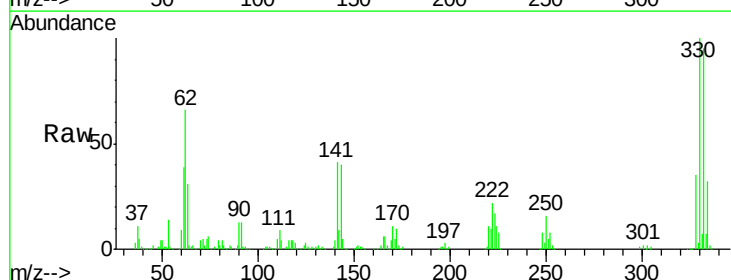
Tgt Ion:198 Resp: 951

Ion Ratio Lower Upper

198 100

51 164.3 6.7 46.7#

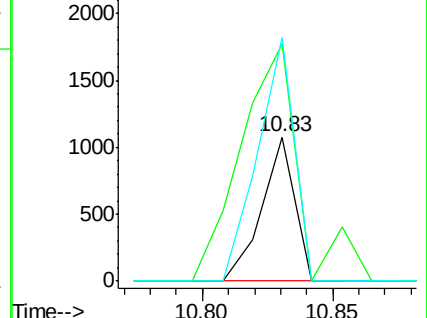
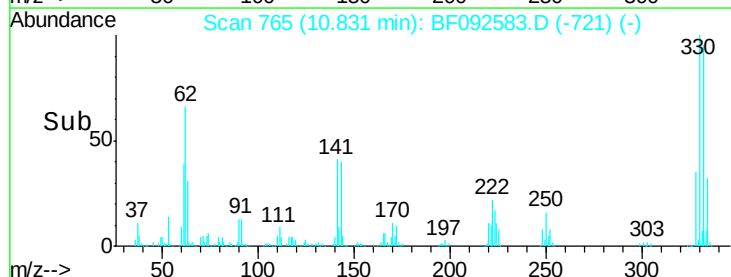
105 169.0 16.6 56.6#

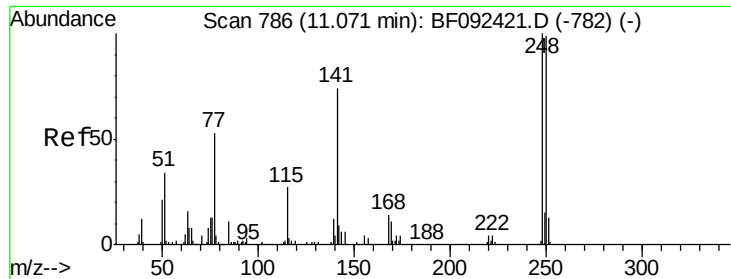


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

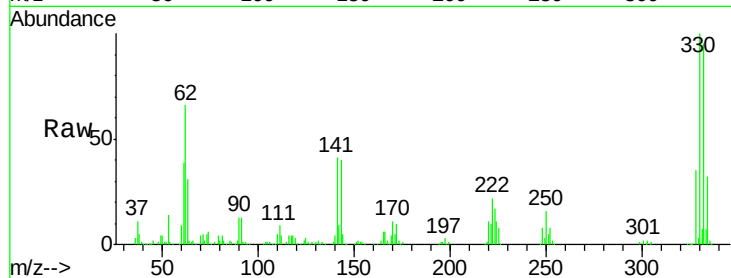




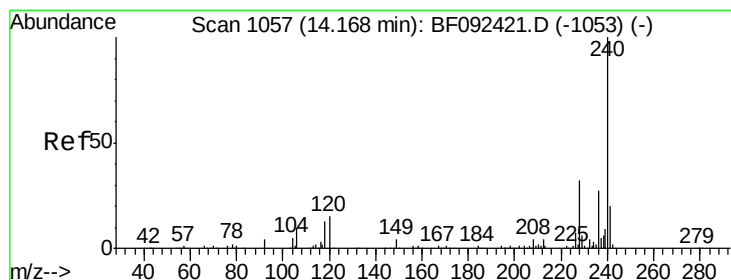
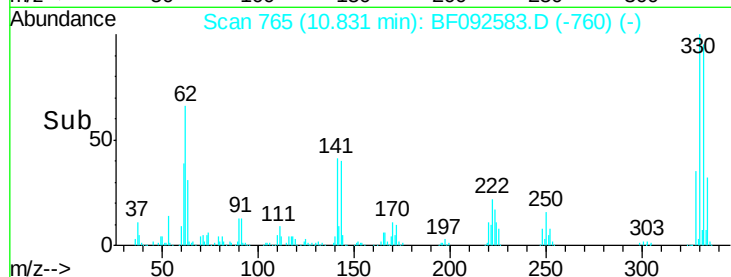
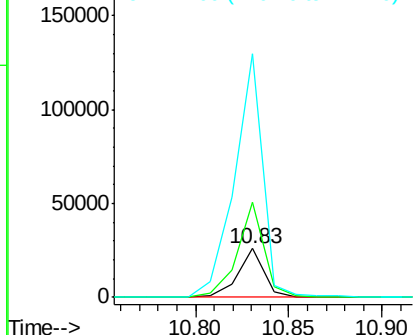
#66
4-Bromophenyl-phenylether
Concen: 3.80 ng
RT: 10.83 min Scan# 765
Delta R.T. -0.24 min
Lab File: BF092583.D
Acq: 27 Jan 2017 18:42

Instrument :
BNA_F
ClientSampleId :
PB96383BL

Tgt Ion:248 Resp: 25662
Ion Ratio Lower Upper
248 100
250 194.1 76.9 115.3#
141 500.0 68.2 102.4#

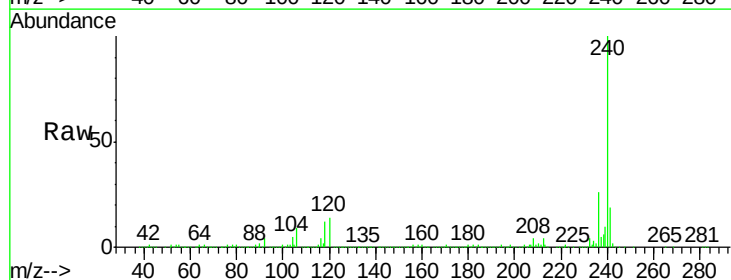


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

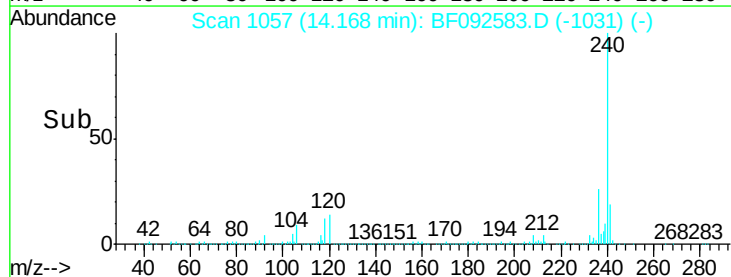
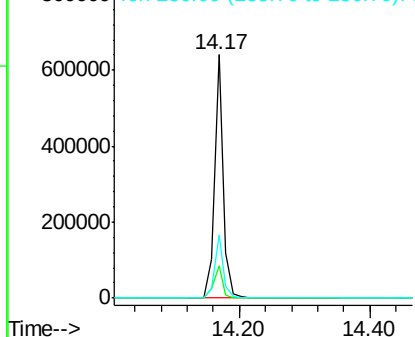


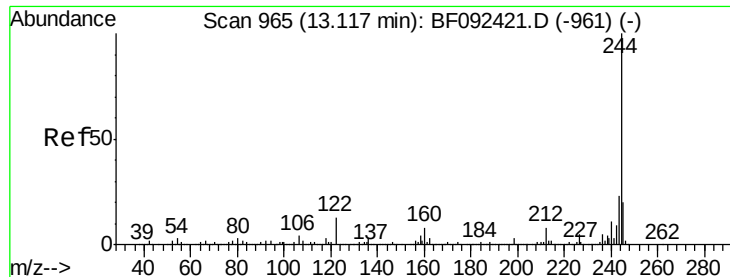
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.17 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BF092583.D
Acq: 27 Jan 2017 18:42

Tgt Ion:240 Resp: 609520
Ion Ratio Lower Upper
240 100
120 13.5 12.9 19.3
236 26.0 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: 73.16 ng

RT: 13.12 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

Instrument :

BNA_F

ClientSampleId :

PB96383BL

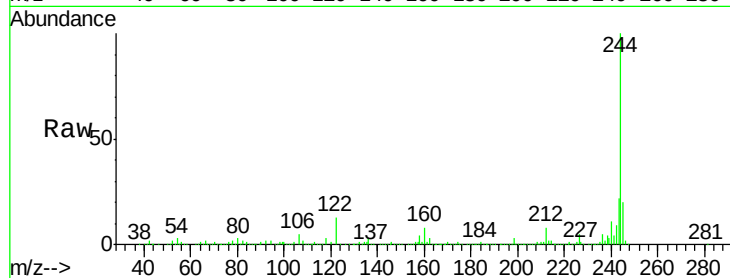
Tgt Ion:244 Resp: 1674552

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

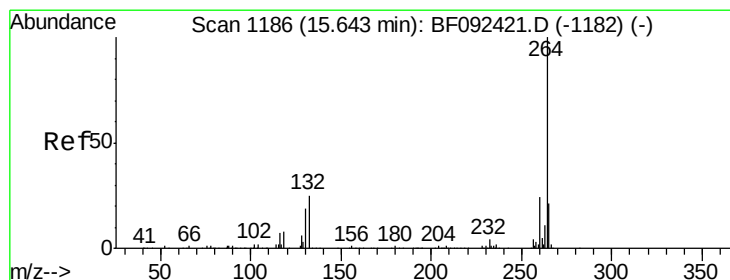
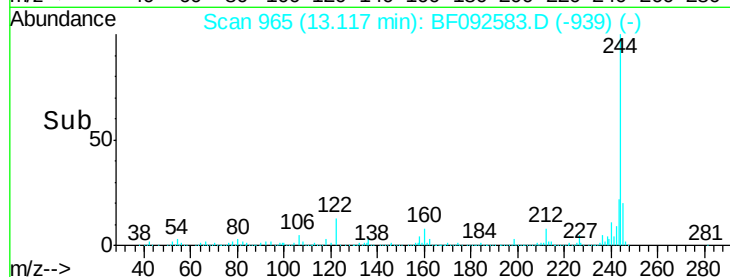
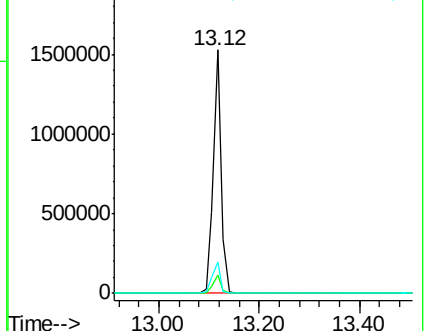
122 12.9 11.4 17.2



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: 15.65 min Scan# 1187

Delta R.T. 0.01 min

Lab File: BF092583.D

Acq: 27 Jan 2017 18:42

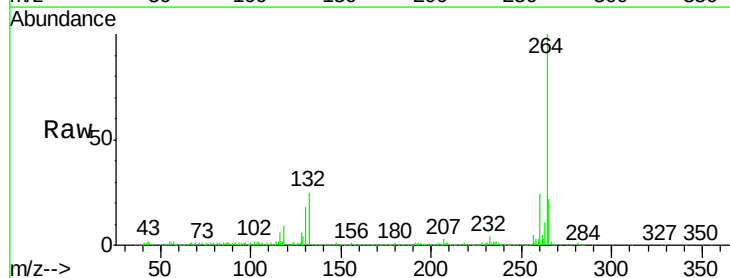
Tgt Ion:264 Resp: 534265

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.8 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

