

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013117\
 Data File : BF092687.D
 Acq On : 31 Jan 2017 18:07
 Operator : SJ/MA
 Sample : I1588-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B15-B21-001

Quant Time: Feb 01 00:19:03 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

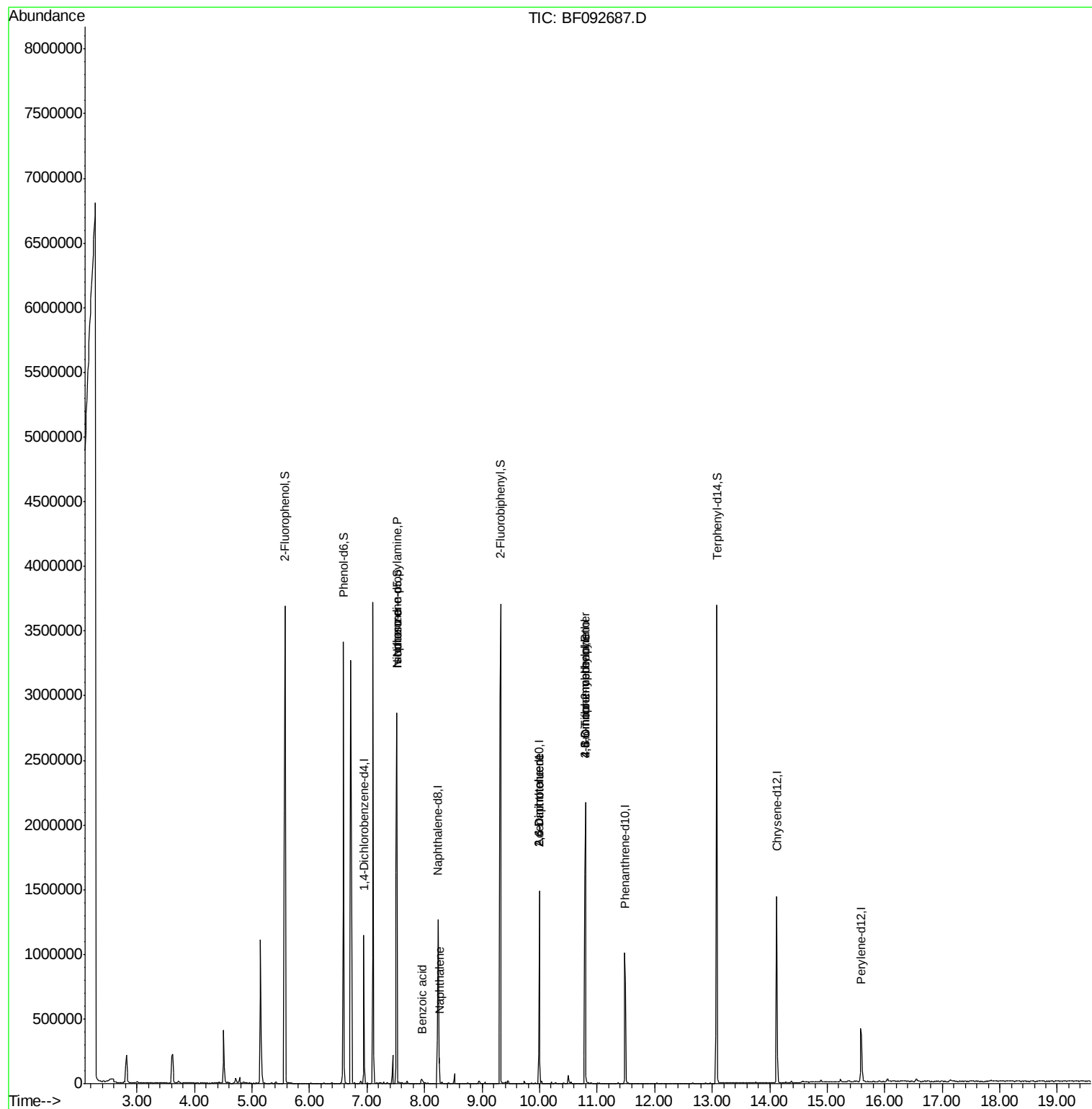
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	148917	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	574575	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	306193	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	508019	20.00	ng	-0.01
75) Chrysene-d12	14.12	240	454110	20.00	ng	-0.02
86) Perylene-d12	15.59	264	179229	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1145910	132.02	ng	0.00
7) Phenol-d6	6.59	99	1178249	105.50	ng	-0.01
23) Nitrobenzene-d5	7.52	82	1077587	104.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	340212	153.62	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1700422	100.61	ng	-0.01
78) Terphenyl-d14	13.08	244	1613857	83.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	145521	20.47	ng	# 79
25) Isophorone	7.52	82	1048258	54.52	ng	# 65
31) Naphthalene	8.26	128	87695	3.01	ng	98
32) Benzoic acid	7.95	122	10651	8.97	ng	90
50) 2,6-Dinitrotoluene	10.00	165	39340	8.83	ng	# 31
56) 2,4-Dinitrotoluene	10.00	165	39341	6.63	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.80	198	862	2.93	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	26277	4.95	ng	# 1

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

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QLast Update : Mon Jan 30 14:50:05 2017
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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: BF092687.D

Acq: 31 Jan 2017 18:07

Instrument :

BNA_F

ClientSampleId :

WC-B15-B21-001

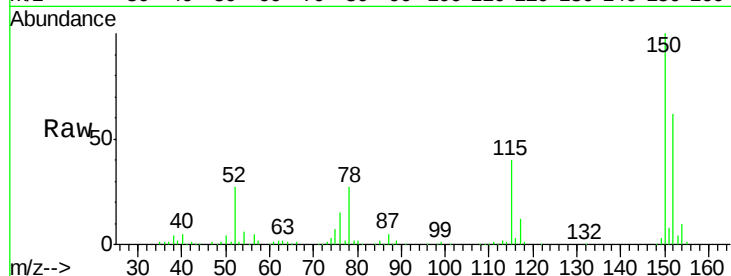
Tgt Ion:152 Resp: 148917

Ion Ratio Lower Upper

152 100

150 160.2 124.9 187.3

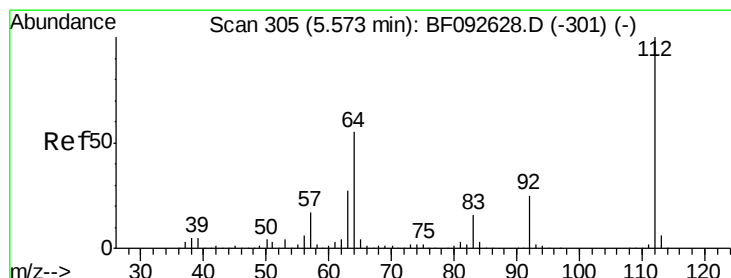
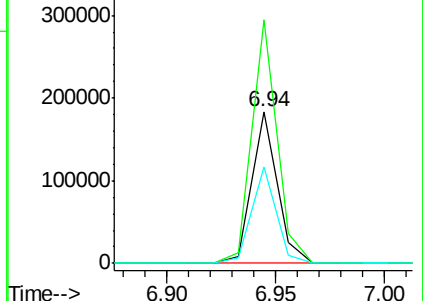
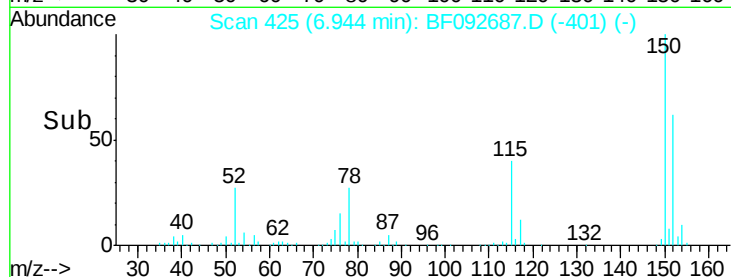
115 63.6 46.0 69.0



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: 132.02 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.00 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

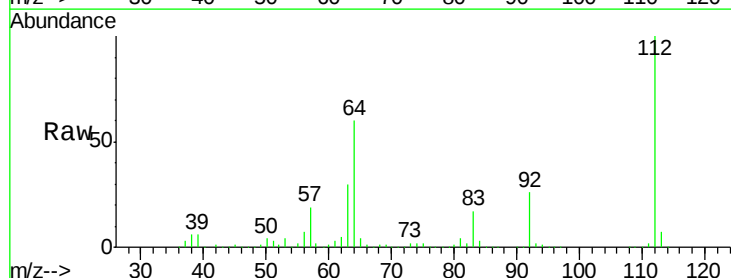
Tgt Ion:112 Resp: 1145910

Ion Ratio Lower Upper

112 100

64 60.3 46.1 69.1

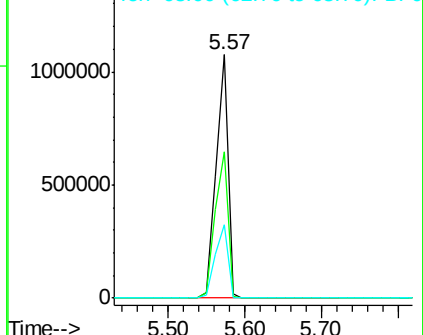
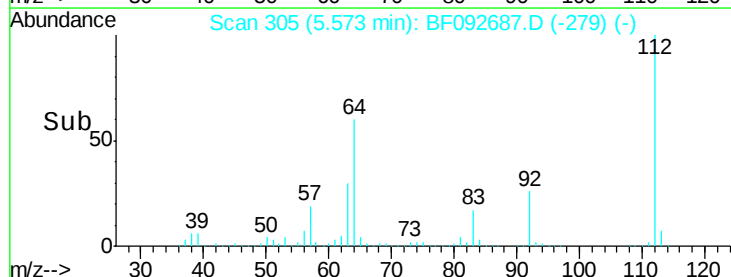
63 30.1 23.8 35.6



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: 105.50 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

Instrument :

BNA_F

ClientSampleId :

WC-B15-B21-001

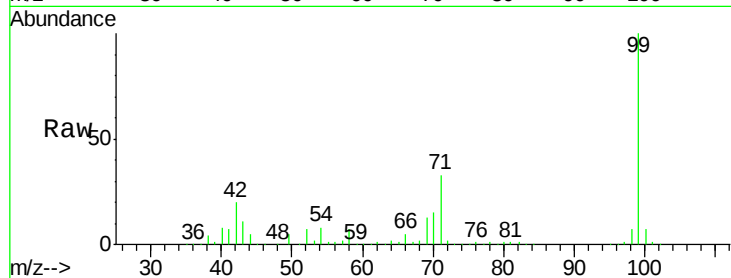
Tgt Ion: 99 Resp: 1178249

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

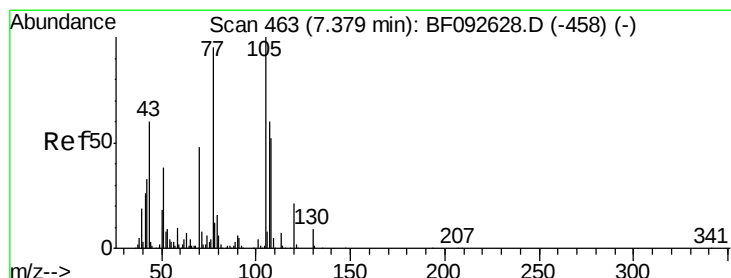
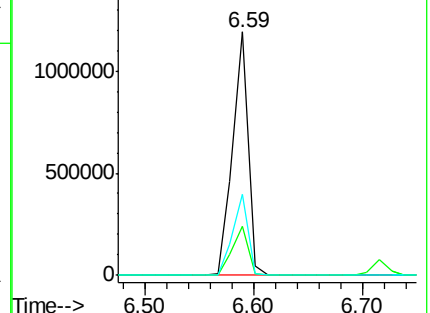
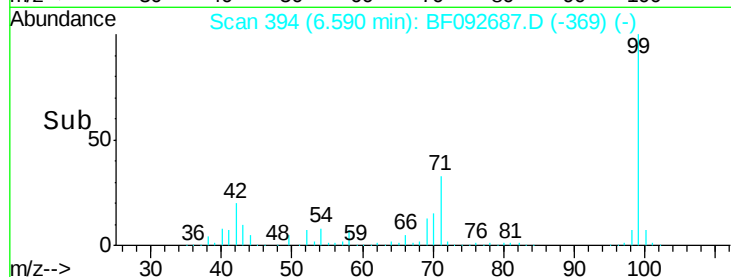
71 33.2 27.5 41.3



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: 20.47 ng

RT: 7.52 min Scan# 475

Delta R.T. 0.14 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

Tgt Ion: 70 Resp: 145521

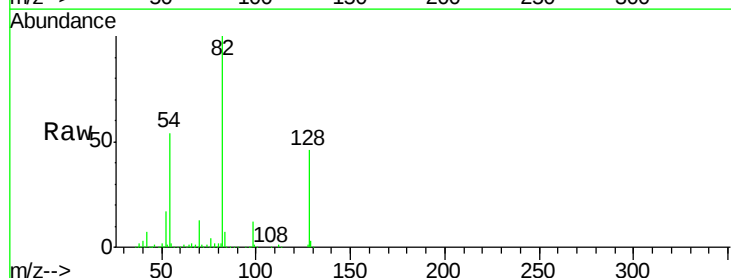
Ion Ratio Lower Upper

70 100

42 49.4 49.4 74.0

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

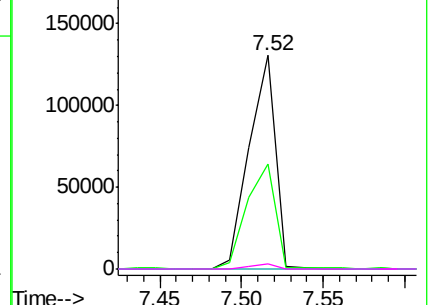
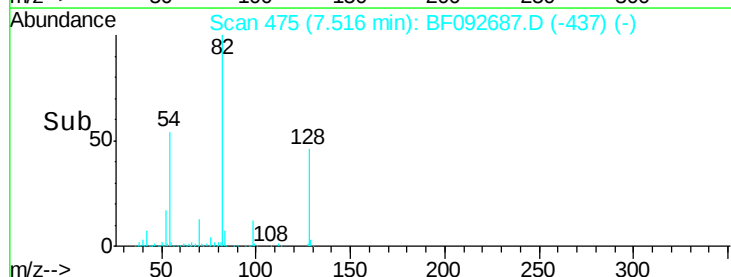


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

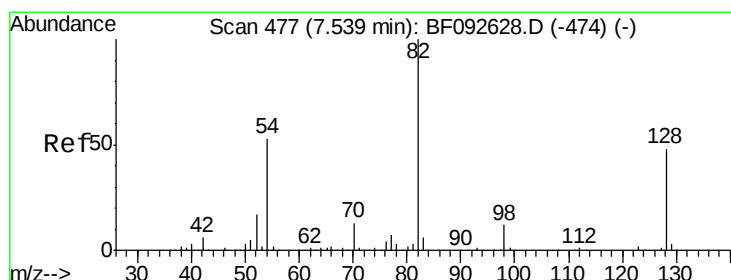
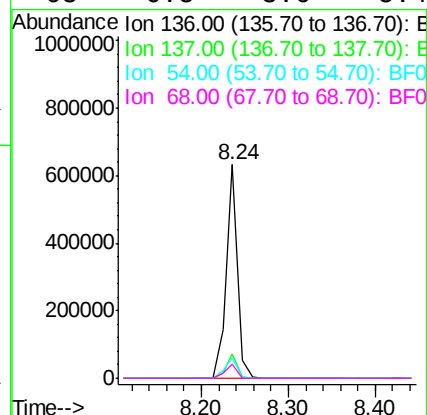
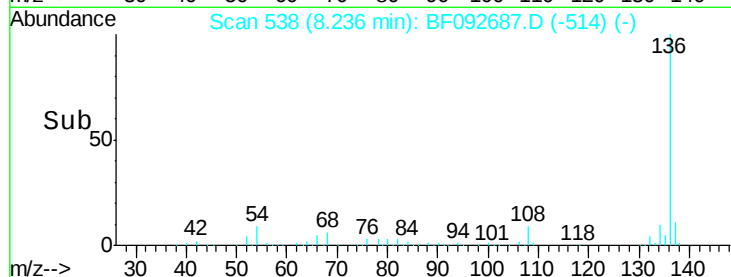
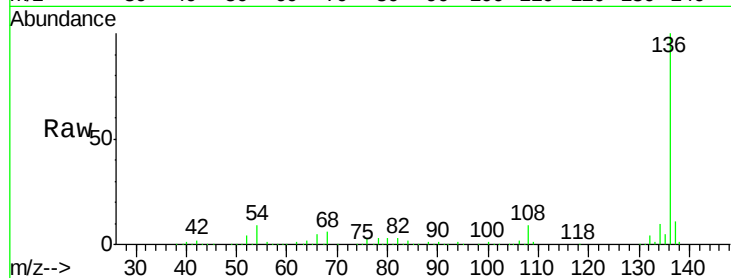




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF092687.D
Acq: 31 Jan 2017 18:07

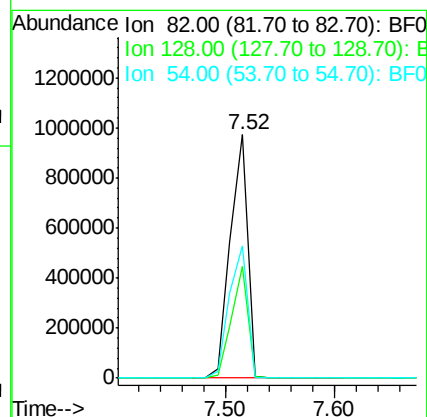
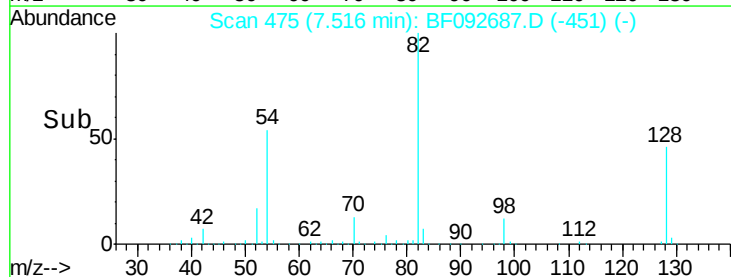
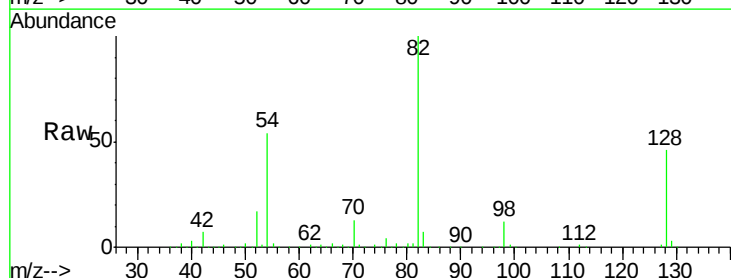
Instrument :
BNA_F
ClientSampleId :
WC-B15-B21-001

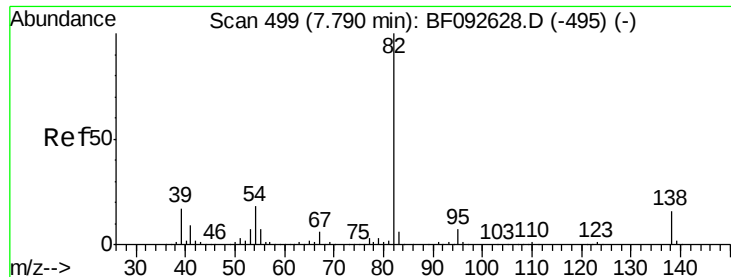
Tgt Ion:	136	Resp:	574575
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	9.4	4.5	6.7#
68	6.5	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 104.44 ng
RT: 7.52 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF092687.D
Acq: 31 Jan 2017 18:07

Tgt Ion:	82	Resp:	1077587
Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.6	52.0
54	54.2	39.5	59.3





#25

Isophorone

Concen: 54.52 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.27 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

Instrument :

BNA_F

ClientSampleId :

WC-B15-B21-001

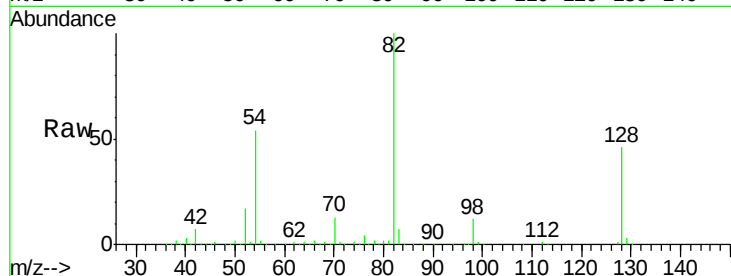
Tgt Ion: 82 Resp: 1048258

Ion Ratio Lower Upper

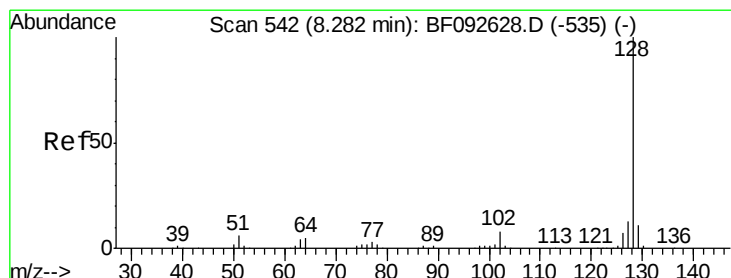
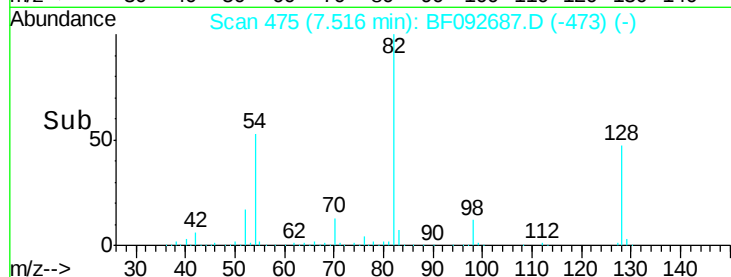
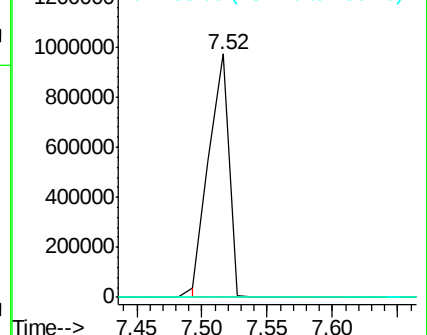
82 100

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



#31

Naphthalene

Concen: 3.01 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.02 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

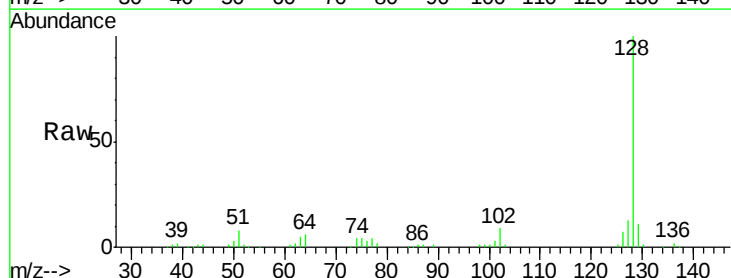
Tgt Ion: 128 Resp: 87695

Ion Ratio Lower Upper

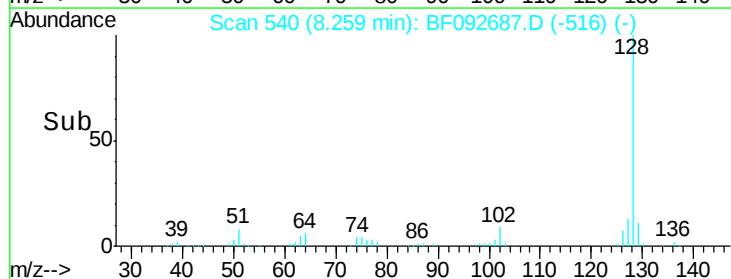
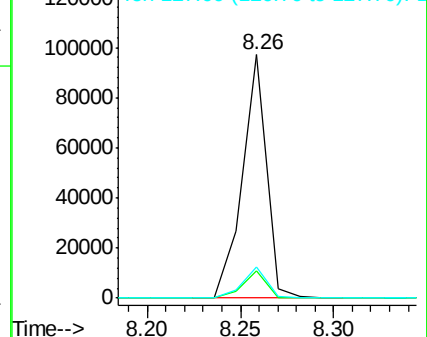
128 100

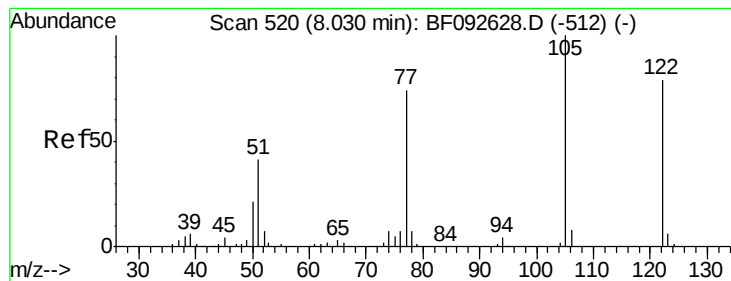
129 11.2 9.5 14.3

127 12.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 8.97 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.08 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

Instrument :

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ClientSampleId :

WC-B15-B21-001

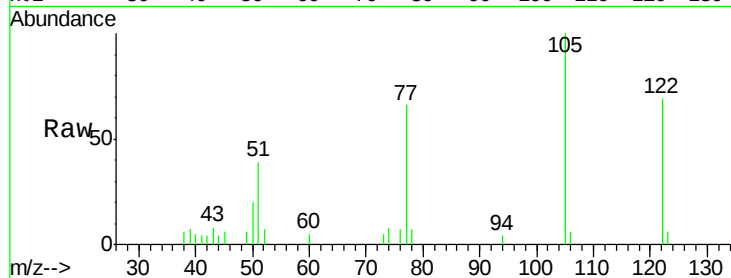
Tgt Ion:122 Resp: 10651

Ion Ratio Lower Upper

122 100

105 145.5 107.2 147.2

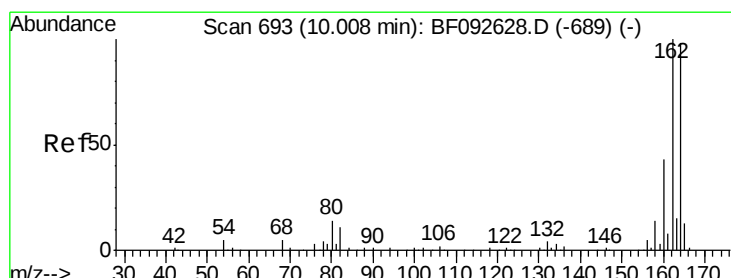
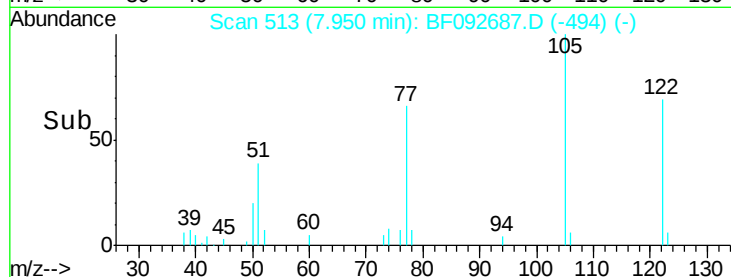
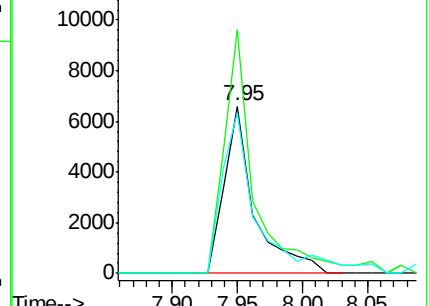
77 95.6 74.5 114.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

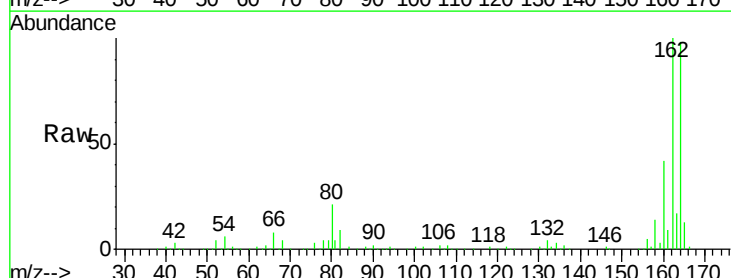
Tgt Ion:164 Resp: 306193

Ion Ratio Lower Upper

164 100

162 102.1 80.2 120.2

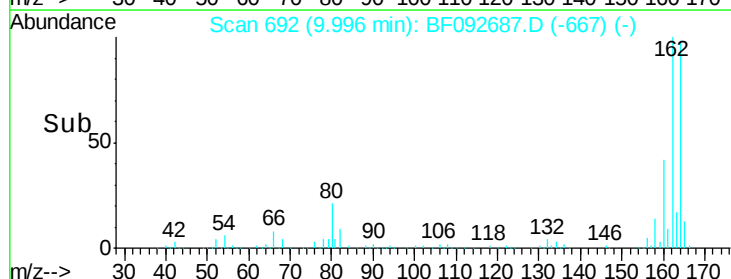
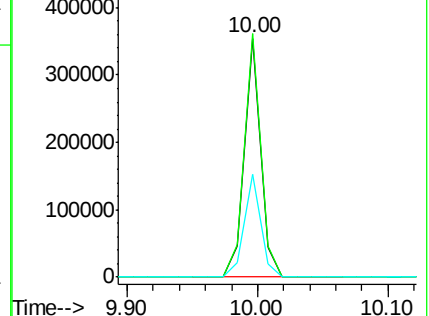
160 43.2 36.9 55.3

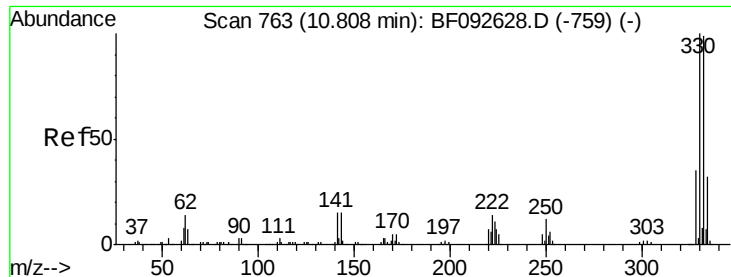


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

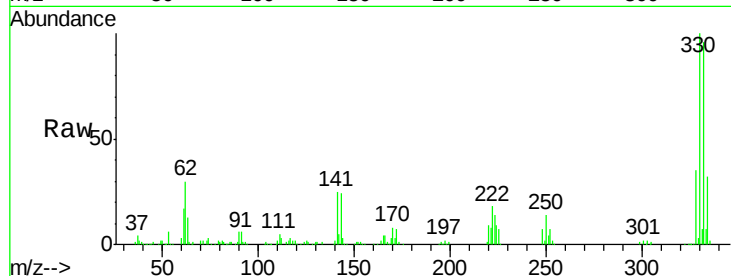




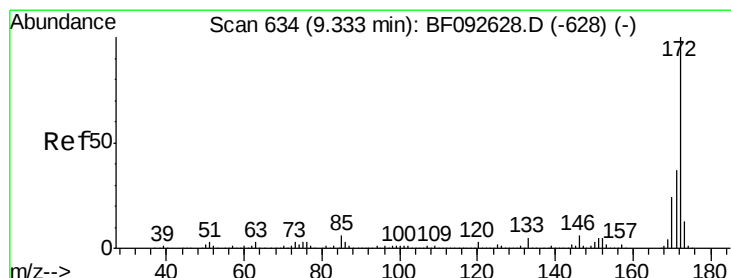
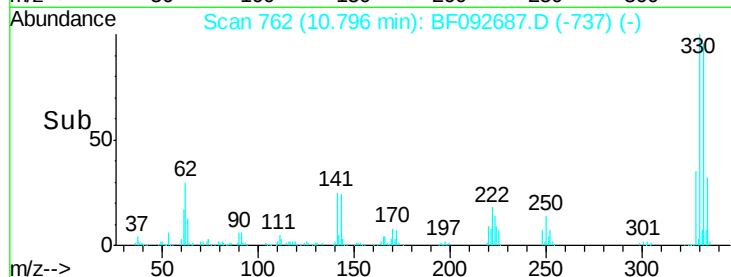
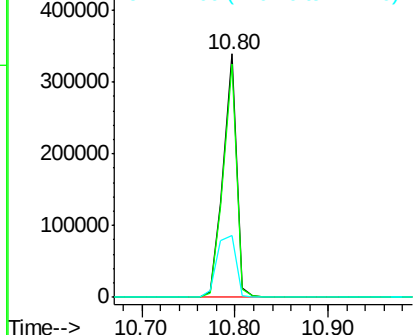
#41
 2,4,6-Tribromophenol
 Concen: 153.62 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF092687.D
 Acq: 31 Jan 2017 18:07

Instrument :
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 WC-B15-B21-001

Tgt Ion:330 Resp: 340212
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.4 116.2
 141 36.0 34.1 51.1

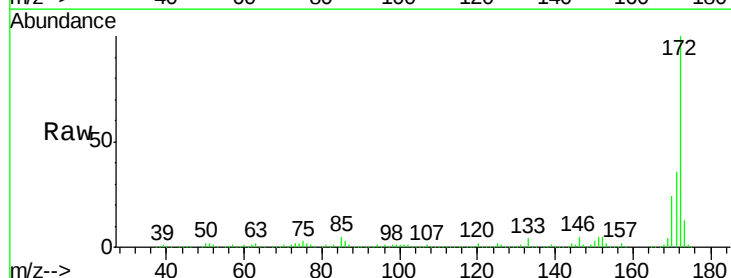


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

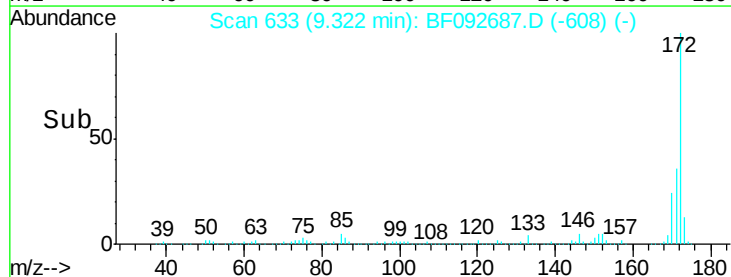
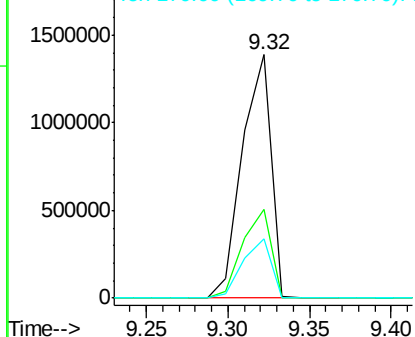


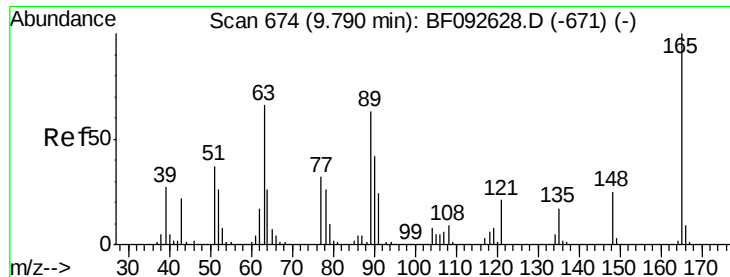
#44
 2-Fluorobiphenyl
 Concen: 100.61 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF092687.D
 Acq: 31 Jan 2017 18:07

Tgt Ion:172 Resp: 1700422
 Ion Ratio Lower Upper
 172 100
 171 36.4 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

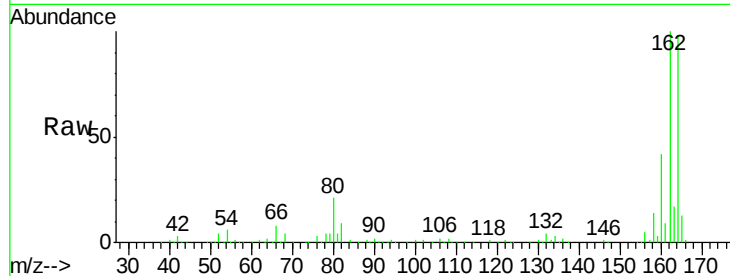




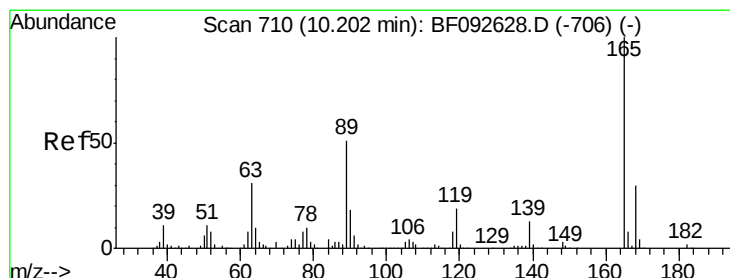
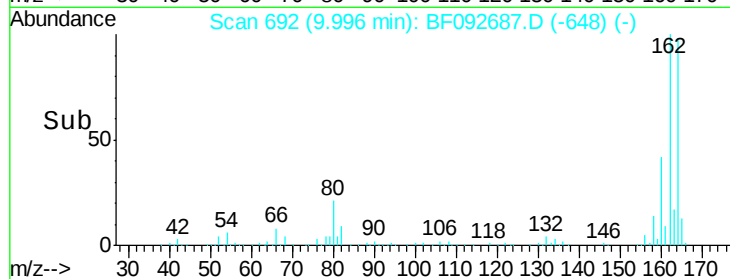
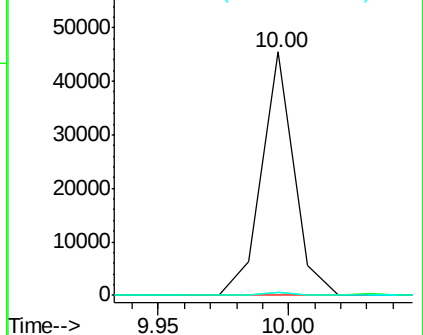
#50
 2,6-Dinitrotoluene
 Concen: 8.83 ng
 RT: 10.00 min Scan# 692
 Delta R.T. 0.21 min
 Lab File: BF092687.D
 Acq: 31 Jan 2017 18:07

Instrument :
 BNA_F
 ClientSampleId :
 WC-B15-B21-001

Tgt Ion:165 Resp: 39340
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.2 54.4#
 89 1.1 40.2 60.4#

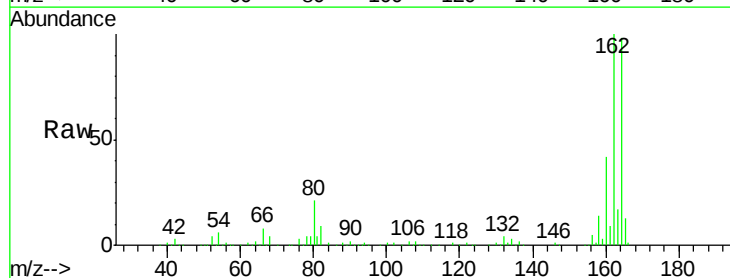


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

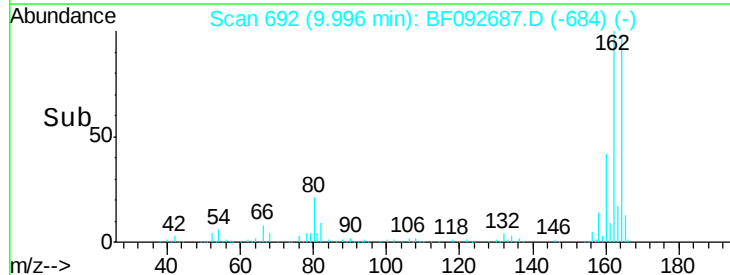
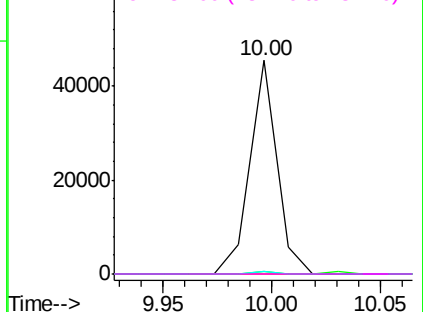


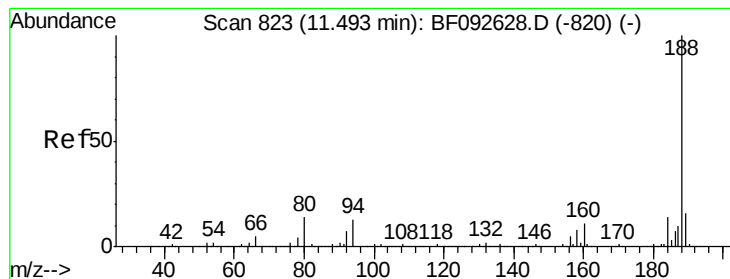
#56
 2,4-Dinitrotoluene
 Concen: 6.63 ng
 RT: 10.00 min Scan# 692
 Delta R.T. -0.21 min
 Lab File: BF092687.D
 Acq: 31 Jan 2017 18:07

Tgt Ion:165 Resp: 39341
 Ion Ratio Lower Upper
 165 100
 63 1.1 40.2 60.4#
 89 1.1 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: BF092687.D

Acq: 31 Jan 2017 18:07

Instrument :

BNA_F

ClientSampleId :

WC-B15-B21-001

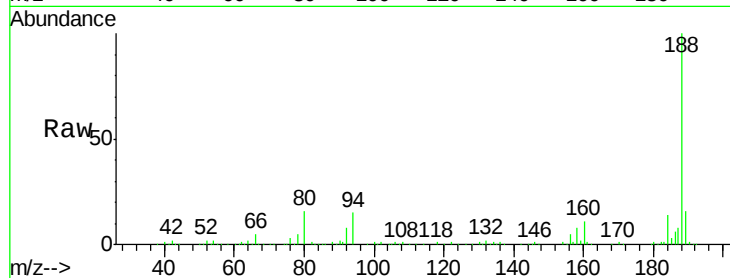
Tgt Ion:188 Resp: 508019

Ion Ratio Lower Upper

188 100

94 15.5 10.0 15.0#

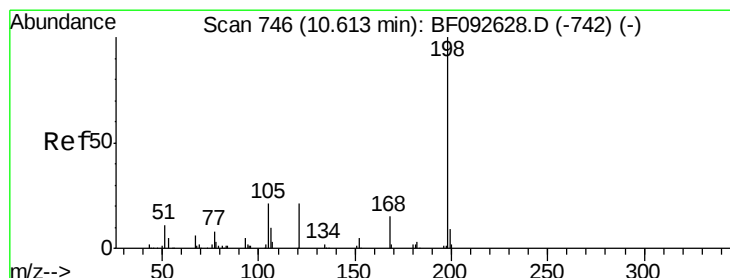
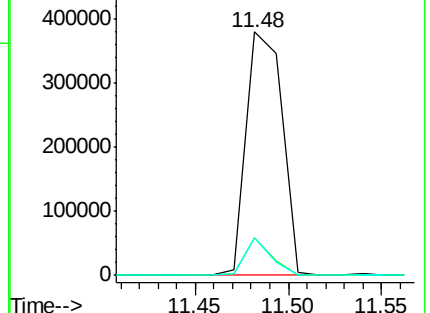
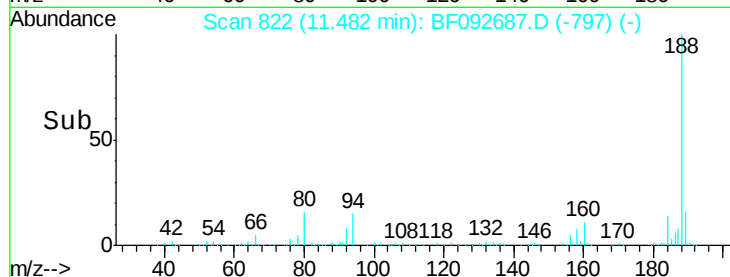
80 15.7 11.2 16.8



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: 2.93 ng

RT: 10.80 min Scan# 762

Delta R.T. 0.18 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

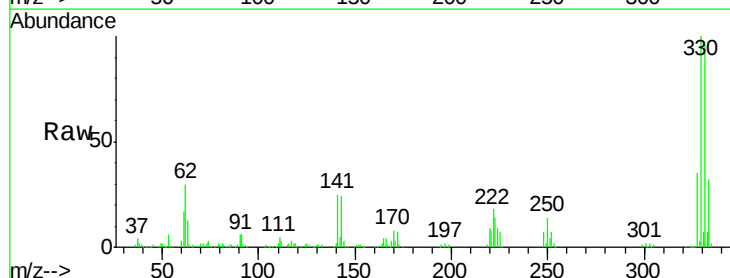
Tgt Ion:198 Resp: 862

Ion Ratio Lower Upper

198 100

51 94.4 6.7 46.7#

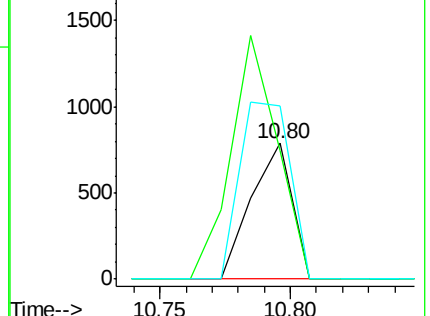
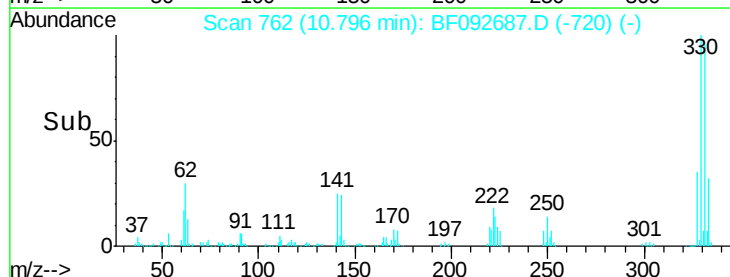
105 127.7 16.6 56.6#

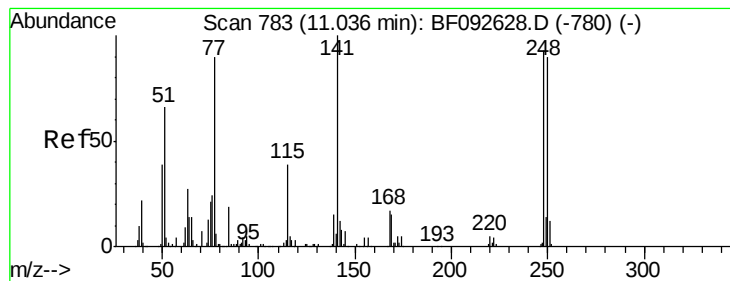


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.95 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.24 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

Instrument :

BNA_F

ClientSampleId :

WC-B15-B21-001

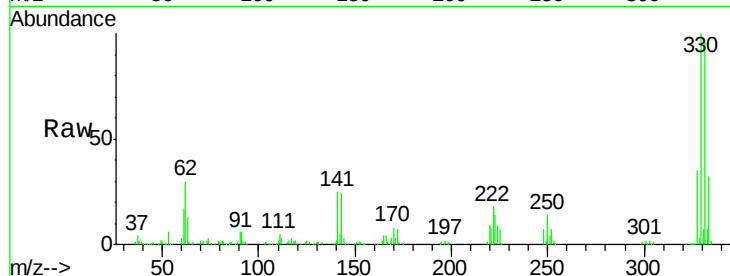
Tgt Ion:248 Resp: 26277

Ion Ratio Lower Upper

248 100

250 199.0 76.9 115.3#

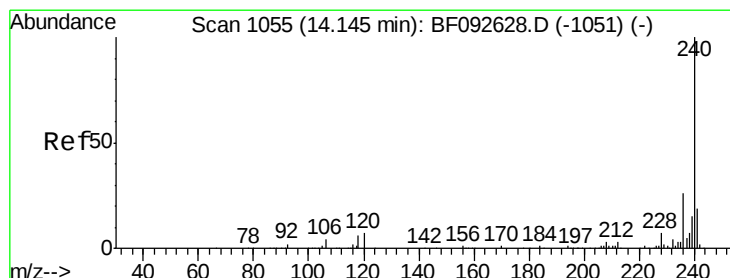
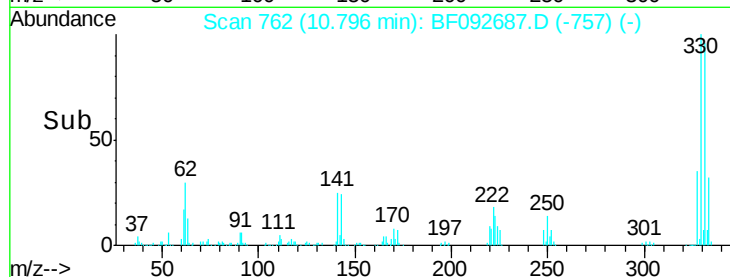
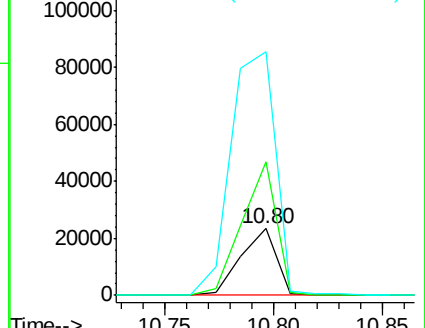
141 364.4 68.2 102.4#



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: BF092687.D

Acq: 31 Jan 2017 18:07

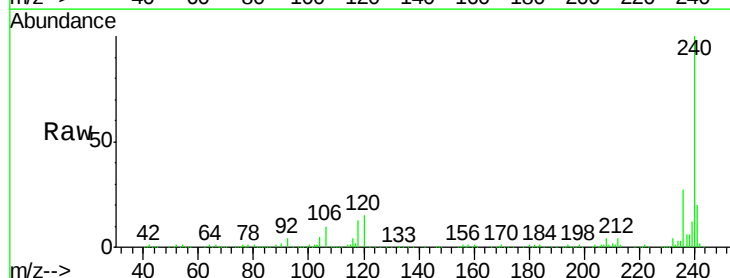
Tgt Ion:240 Resp: 454110

Ion Ratio Lower Upper

240 100

120 14.5 12.9 19.3

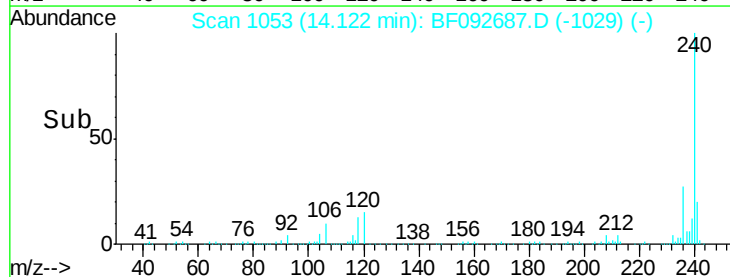
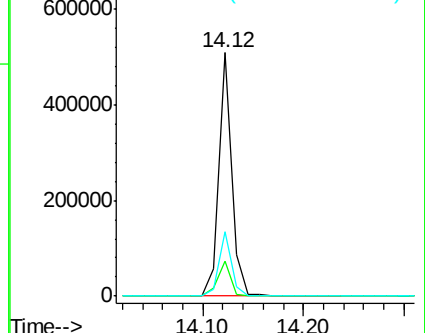
236 26.6 20.9 31.3

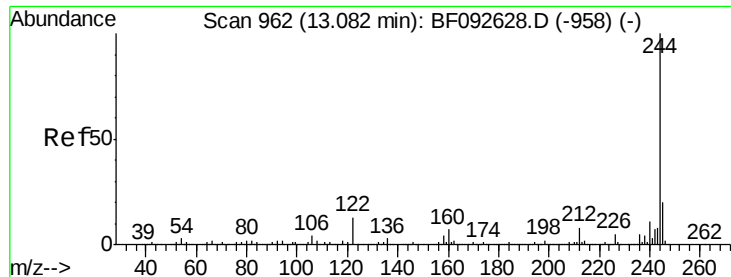


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.50 ng

RT: 13.08 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

Instrument :

BNA_F

ClientSampleId :

WC-B15-B21-001

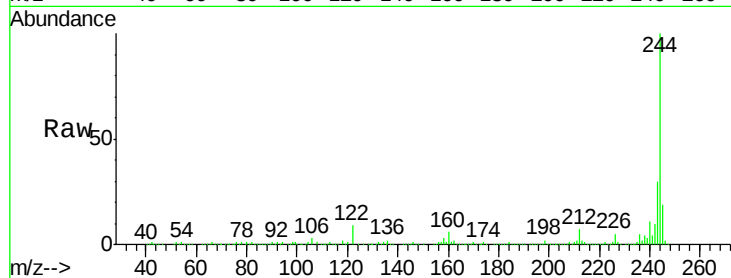
Tgt Ion:244 Resp: 1613857

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

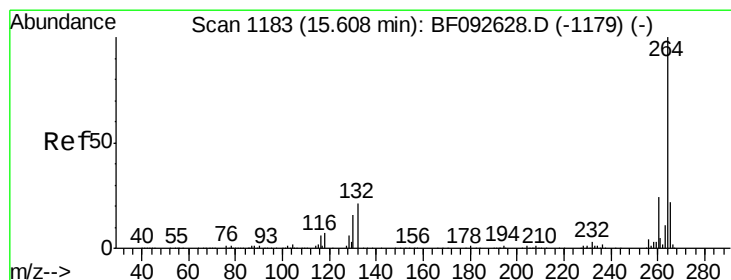
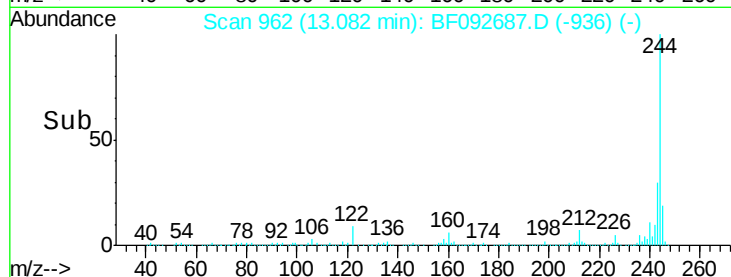
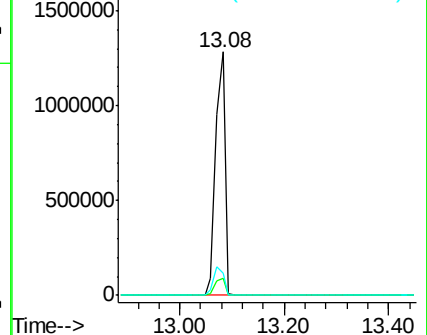
122 9.1 11.4 17.2#



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: 15.59 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF092687.D

Acq: 31 Jan 2017 18:07

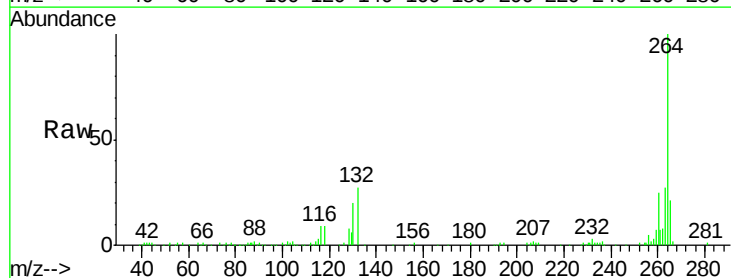
Tgt Ion:264 Resp: 179229

Ion Ratio Lower Upper

264 100

260 24.8 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

