

Data File : BF093113.D
Acq On : 23 Feb 2017 19:21
Operator : SJ/MA
Sample : I1956-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-A2622

Quant Time: Feb 23 23:49:42 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	152162	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	607328	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	297104	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	547001	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	494113	20.00	ng	-0.02
86) Perylene-d12	15.41	264	363553	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	535092	60.33	ng	-0.02
7) Phenol-d6	6.48	99	443923	38.90	ng	-0.01
23) Nitrobenzene-d5	7.41	82	935144	85.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	326278	151.84	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1659388	101.19	ng	-0.01
78) Terphenyl-d14	12.95	244	1342298	63.83	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	122186	16.82	ng	# 74
25) Isophorone	7.41	82	878234	43.21	ng	# 65
50) 2,6-Dinitrotoluene	9.87	165	37520	8.68	ng	# 31
56) 2,4-Dinitrotoluene	9.87	165	37521	6.52	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	753	2.88	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	23002	4.02	ng	# 1

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

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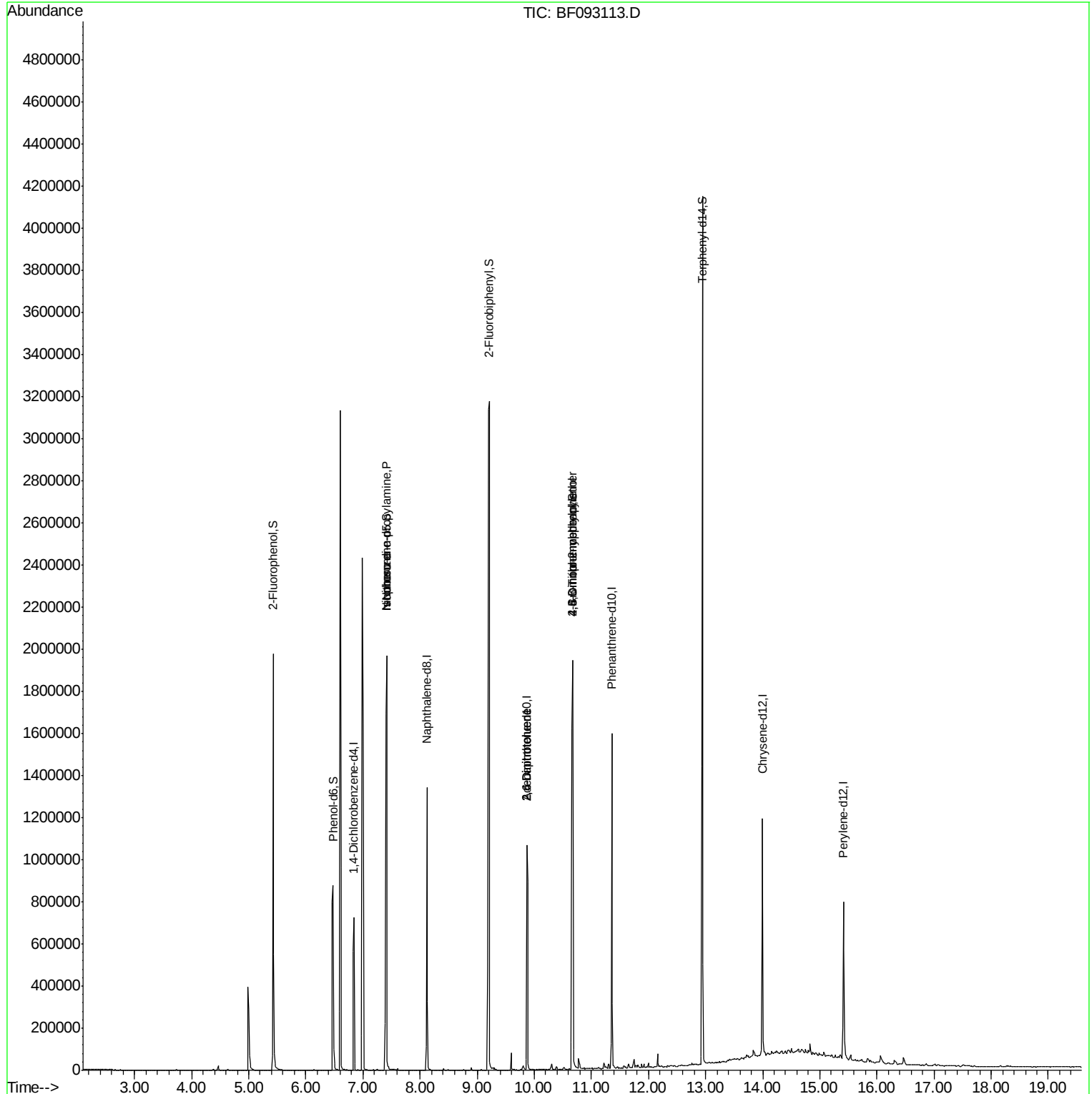
Quant Time: Feb 23 23:49:42 2017

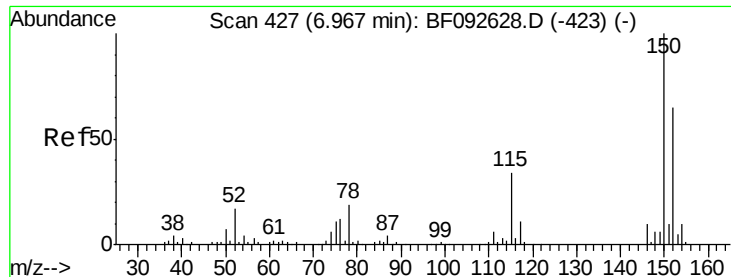
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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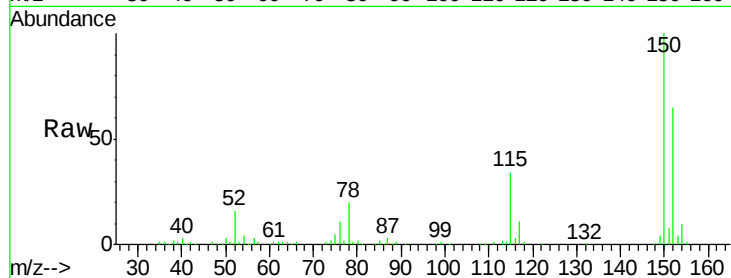
Tgt Ion:152 Resp: 152162

Ion Ratio Lower Upper

152 100

150 153.3 124.9 187.3

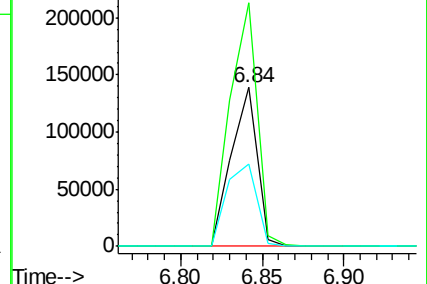
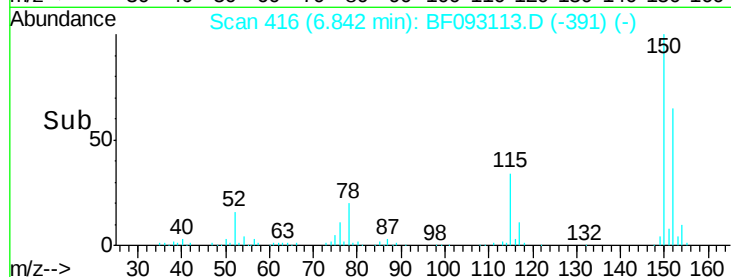
115 51.6 46.0 69.0



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: 60.33 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

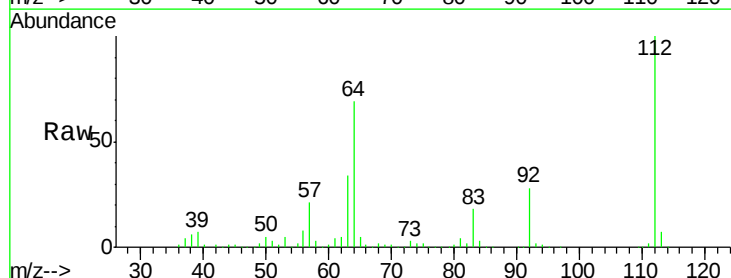
Tgt Ion:112 Resp: 535092

Ion Ratio Lower Upper

112 100

64 69.1 46.1 69.1

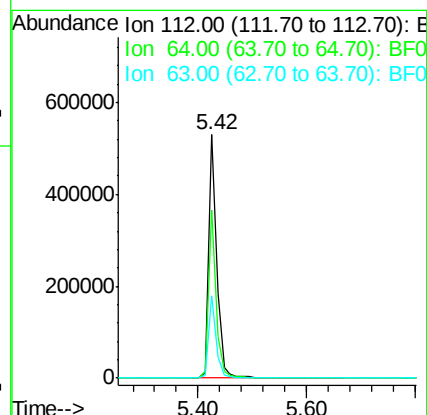
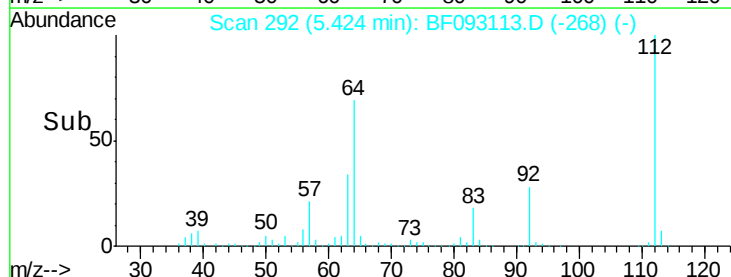
63 33.9 23.8 35.6



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: 38.90 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-A2622

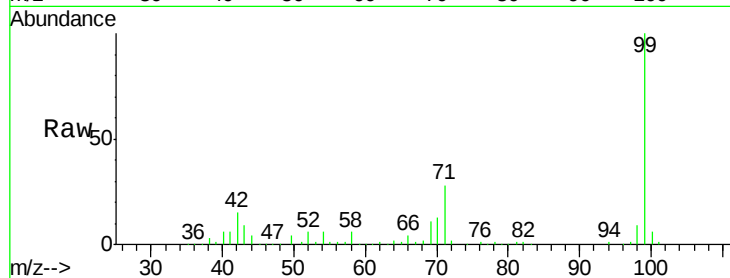
Tgt Ion: 99 Resp: 443923

Ion Ratio Lower Upper

99 100

42 15.3 15.6 23.4#

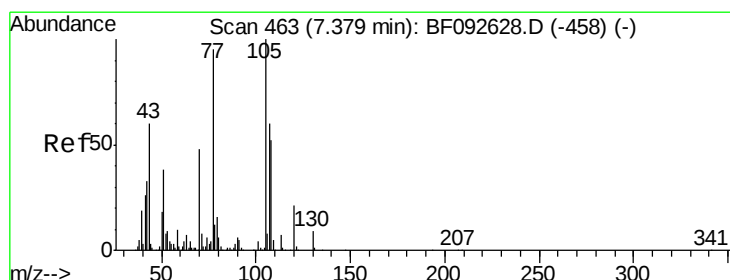
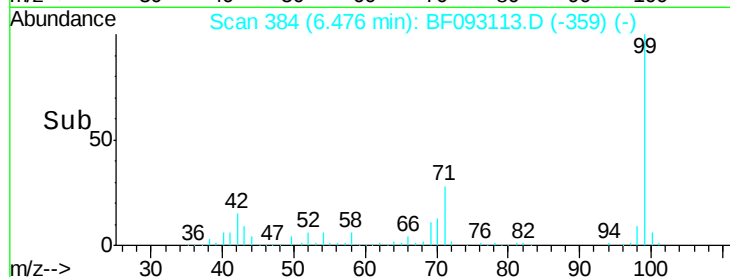
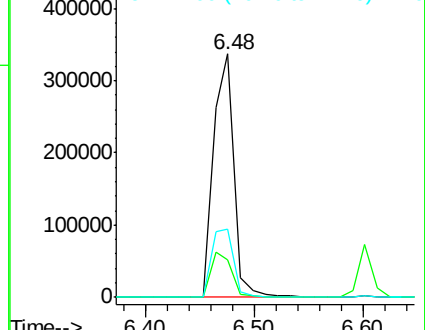
71 28.1 27.5 41.3



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: 16.82 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

Tgt Ion: 70 Resp: 122186

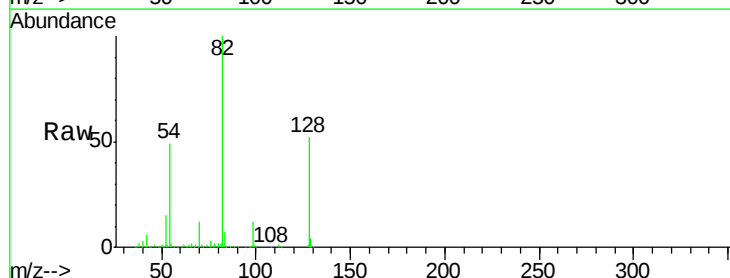
Ion Ratio Lower Upper

70 100

42 44.2 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

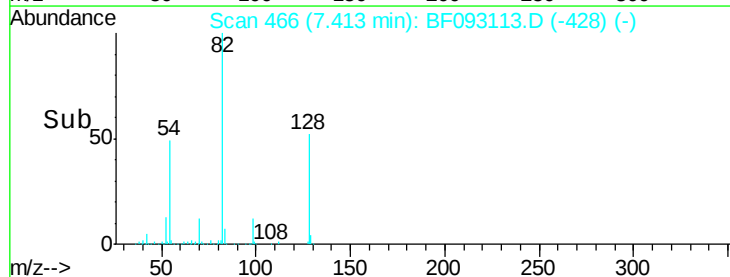
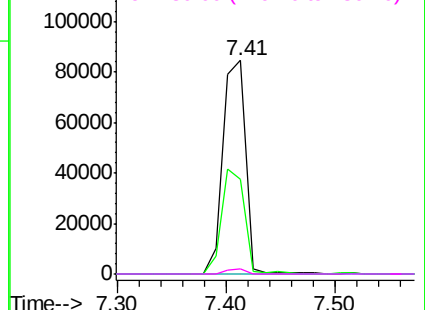


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.12 min Scan# 528

Delta R.T. -0.02 min

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Tgt Ion: 136 Resp: 607328

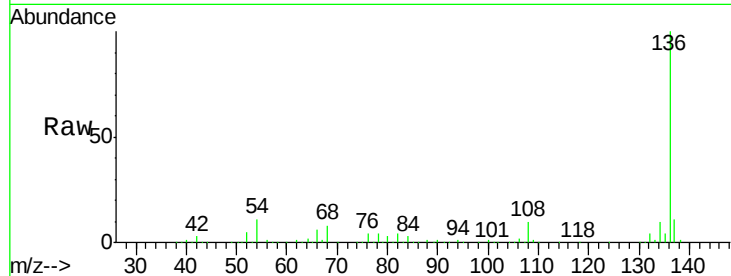
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 11.4 4.5 6.7#

68 7.8 3.6 5.4#

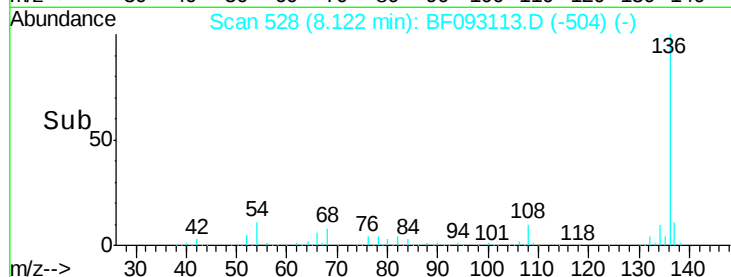


Abundance Ion 136.00 (135.70 to 136.70): E

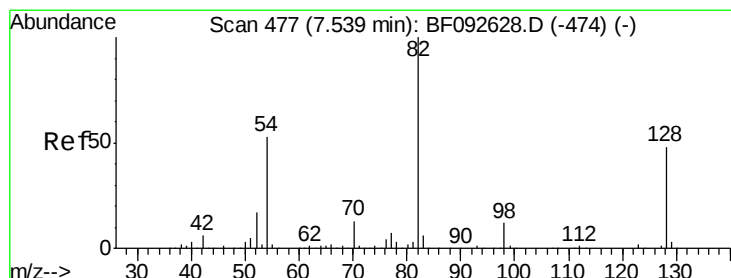
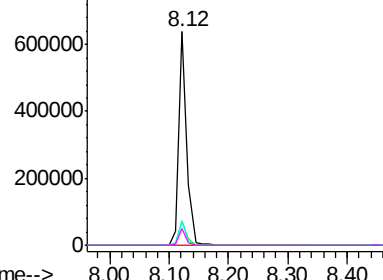
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 85.75 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

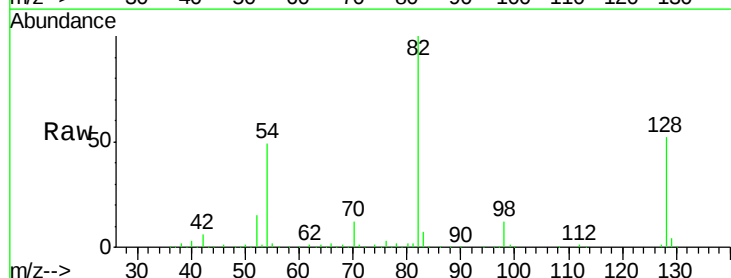
Tgt Ion: 82 Resp: 935144

Ion Ratio Lower Upper

82 100

128 51.6 34.6 52.0

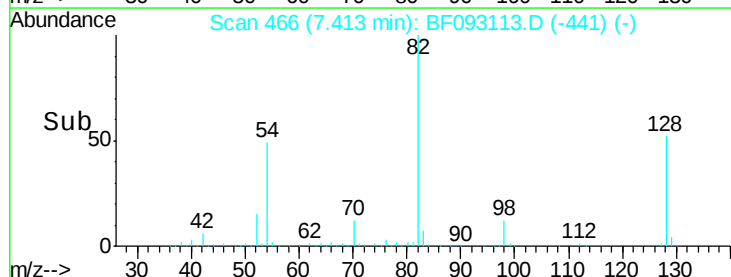
54 49.4 39.5 59.3



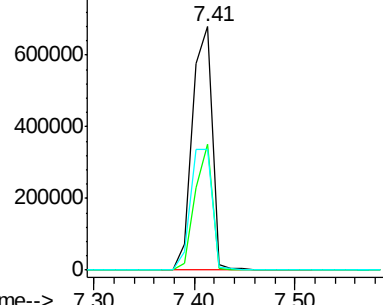
Abundance Ion 82.00 (81.70 to 82.70): BF0

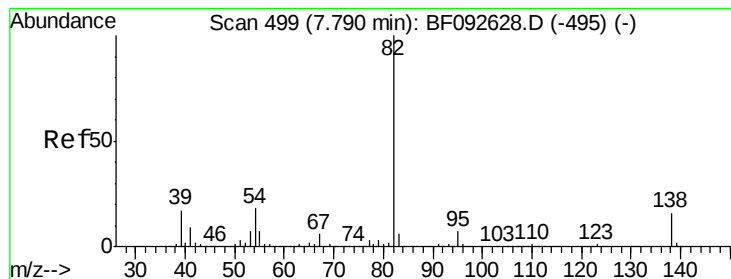
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 43.21 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

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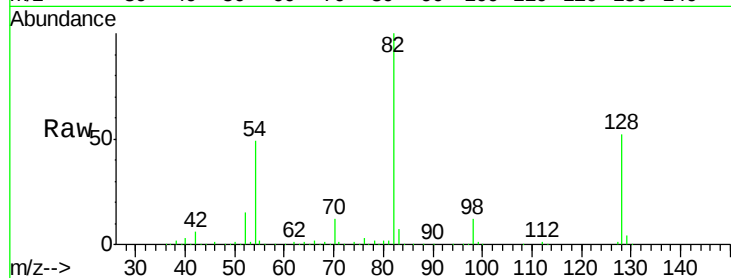
Tgt Ion: 82 Resp: 878234

Ion Ratio Lower Upper

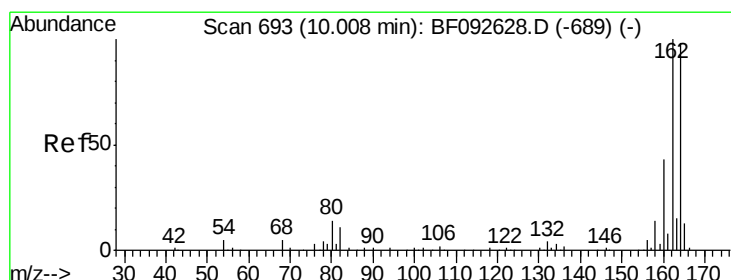
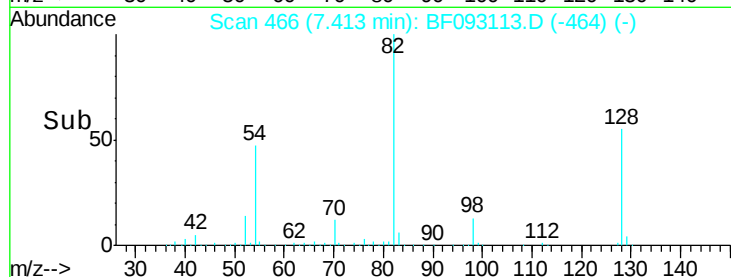
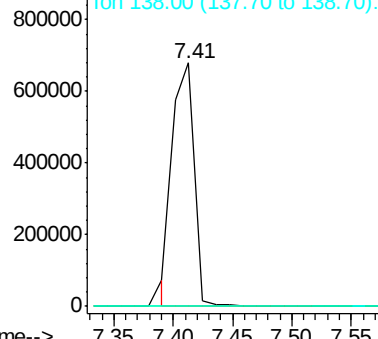
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

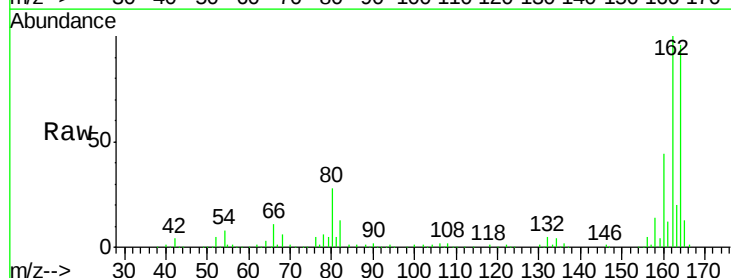
Tgt Ion: 164 Resp: 297104

Ion Ratio Lower Upper

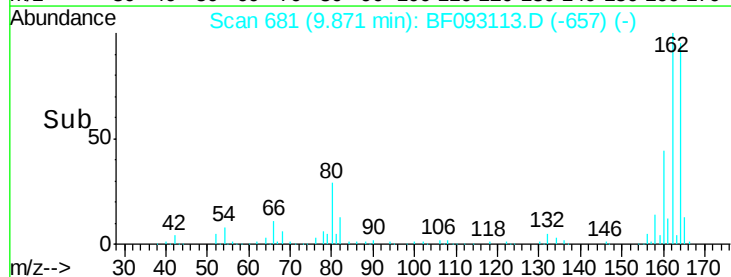
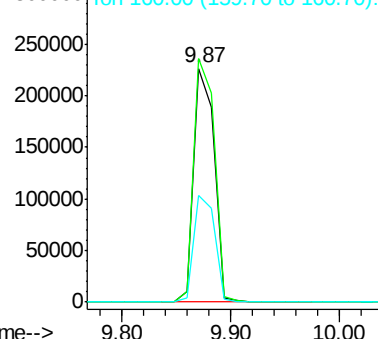
164 100

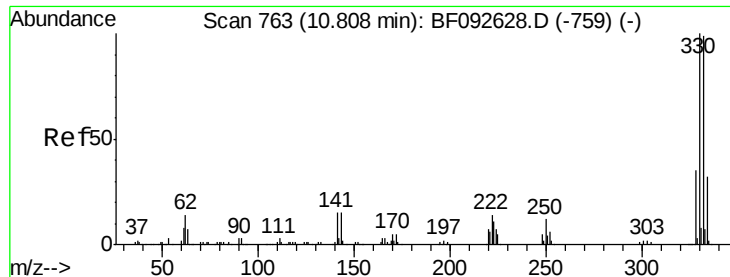
162 104.1 80.2 120.2

160 45.8 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

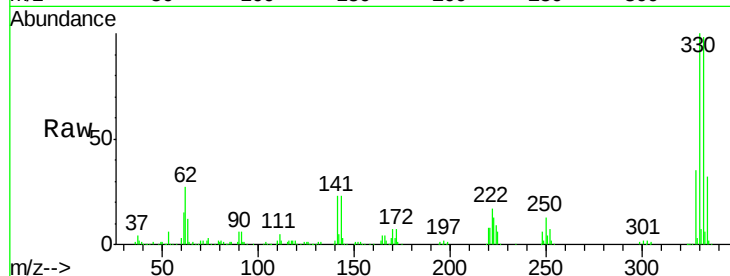




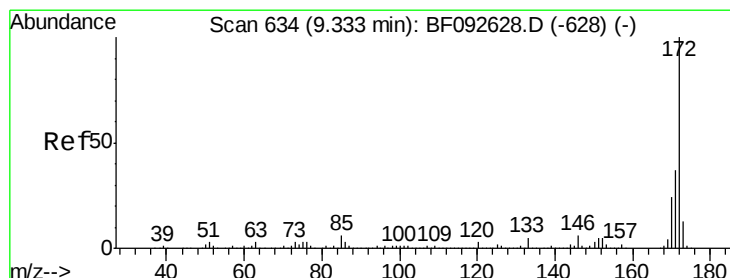
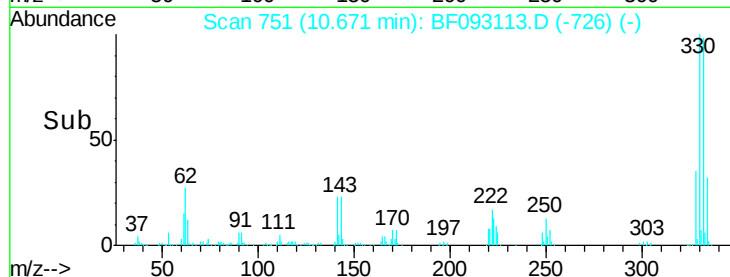
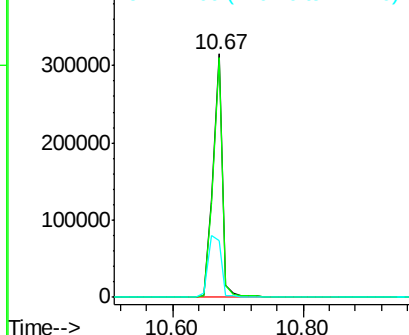
#41
 2,4,6-Tribromophenol
 Concen: 151.84 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093113.D
 Acq: 23 Feb 2017 19:21

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 BNA_F
 ClientSampleId :
 FRAC-TANK-A2622

Tgt Ion:330 Resp: 326278
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.4 116.2
 141 35.2 34.1 51.1

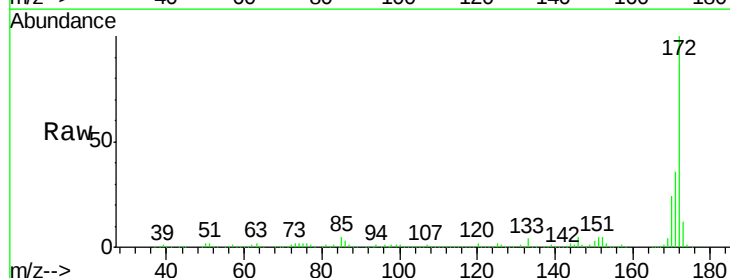


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

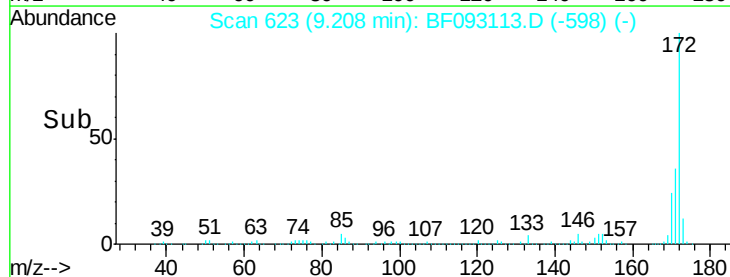
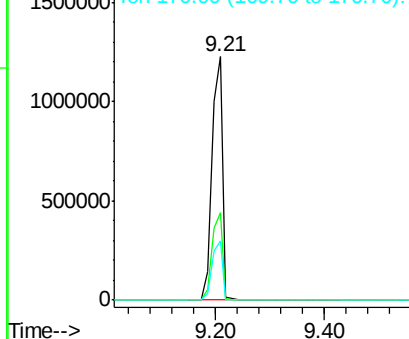


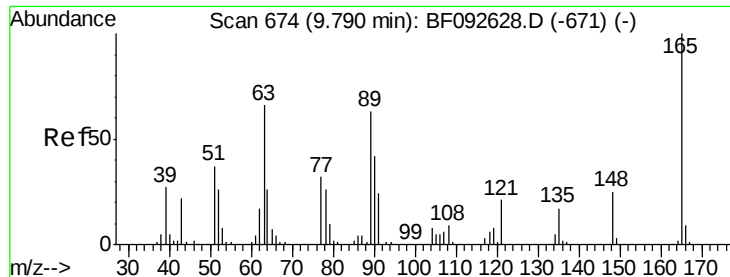
#44
 2-Fluorobiphenyl
 Concen: 101.19 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093113.D
 Acq: 23 Feb 2017 19:21

Tgt Ion:172 Resp: 1659388
 Ion Ratio Lower Upper
 172 100
 171 35.8 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

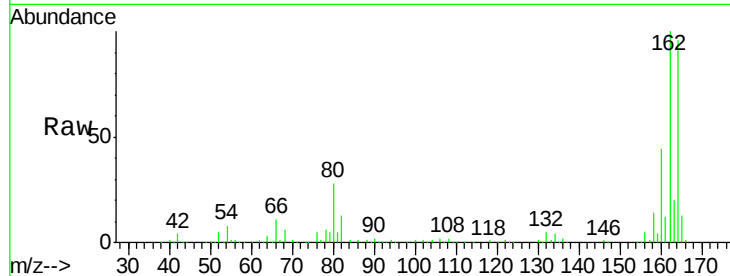




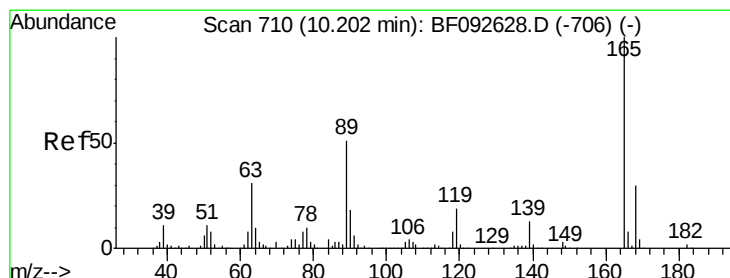
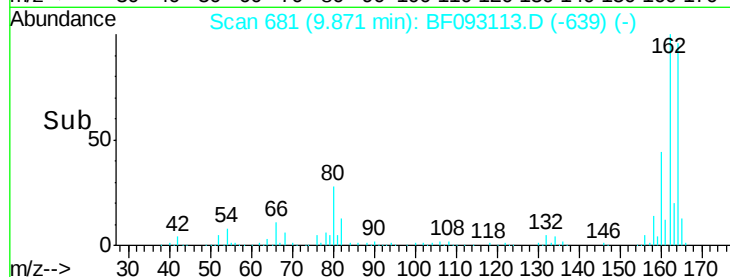
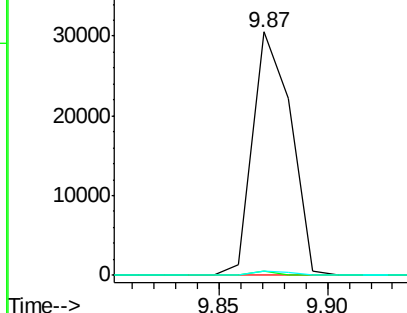
#50
 2,6-Dinitrotoluene
 Concen: 8.68 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.18 min
 Lab File: BF093113.D
 Acq: 23 Feb 2017 19:21

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 BNA_F
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Tgt Ion:165 Resp: 37520
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.2 54.4#
 89 1.5 40.2 60.4#

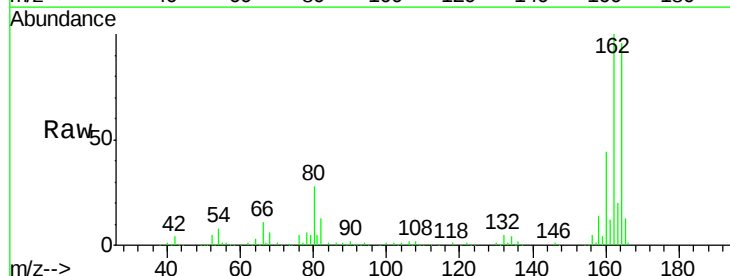


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

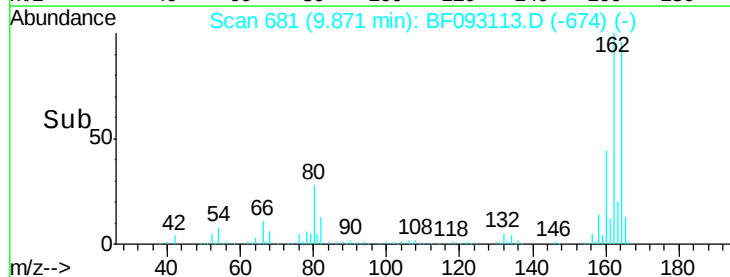
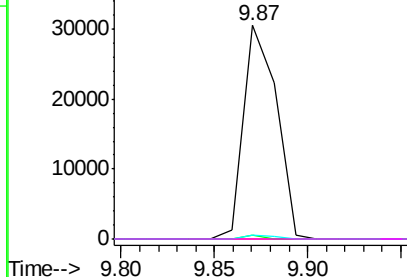


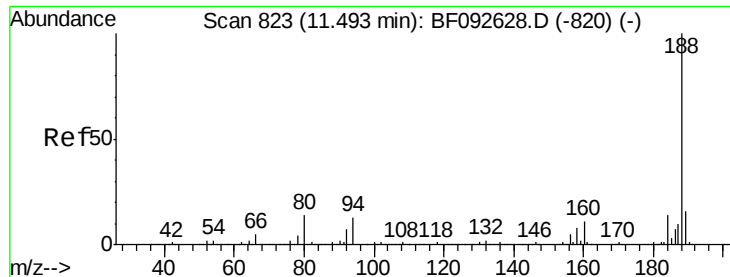
#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093113.D
 Acq: 23 Feb 2017 19:21

Tgt Ion:165 Resp: 37521
 Ion Ratio Lower Upper
 165 100
 63 1.6 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

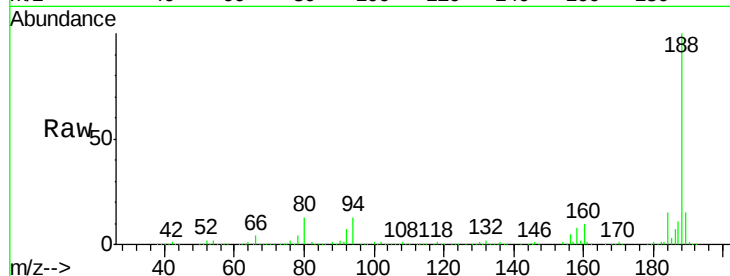




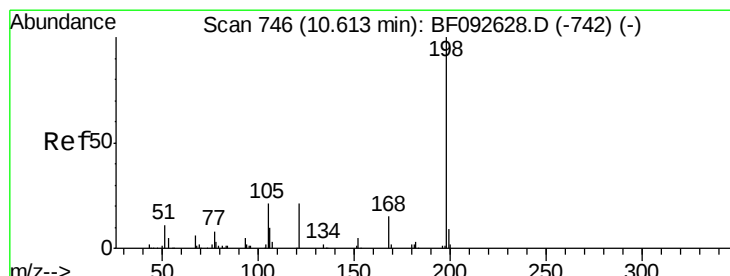
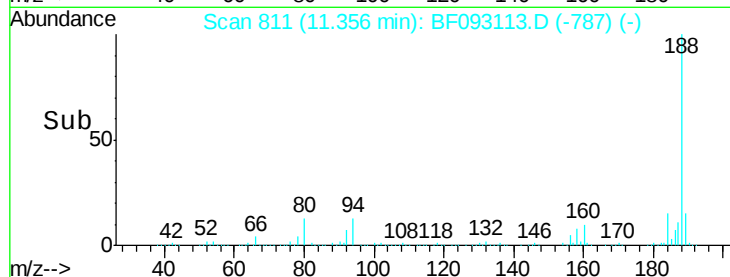
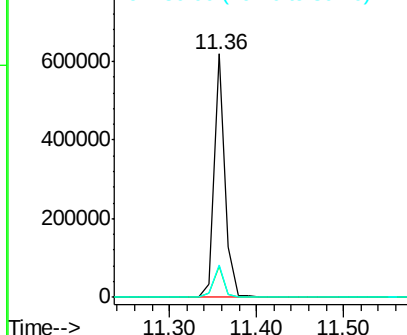
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093113.D
Acq: 23 Feb 2017 19:21

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-A2622

Tgt Ion:188 Resp: 547001
Ion Ratio Lower Upper
188 100
94 12.8 10.0 15.0
80 13.2 11.2 16.8

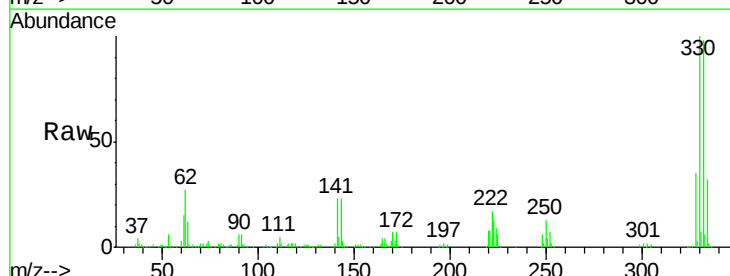


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

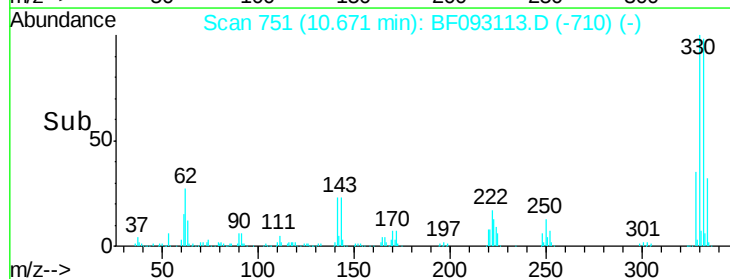
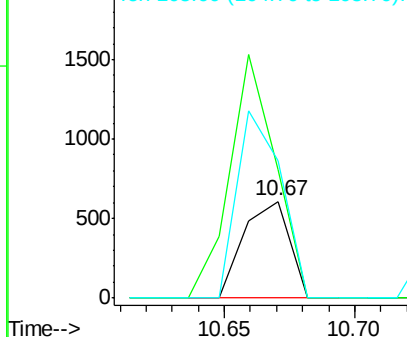


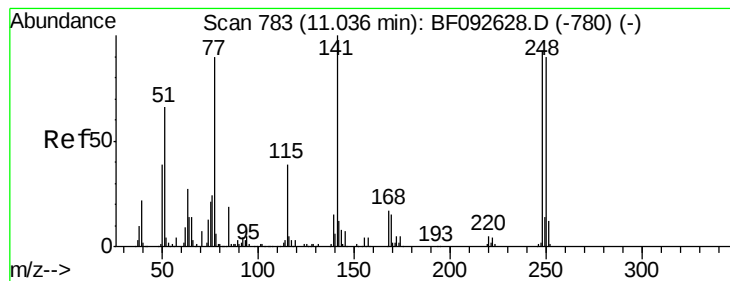
#64
4,6-Dinitro-2-methylphenol
Concen: 2.88 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.17 min
Lab File: BF093113.D
Acq: 23 Feb 2017 19:21

Tgt Ion:198 Resp: 753
Ion Ratio Lower Upper
198 100
51 133.2 6.7 46.7#
105 141.9 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: 4.02 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-A2622

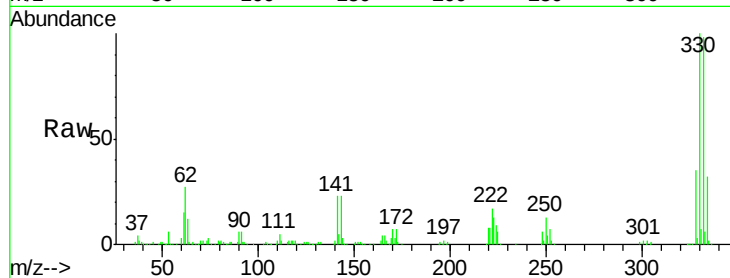
Tgt Ion:248 Resp: 23002

Ion Ratio Lower Upper

248 100

250 201.9 76.9 115.3#

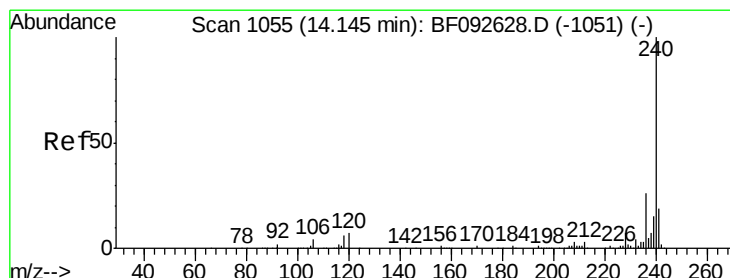
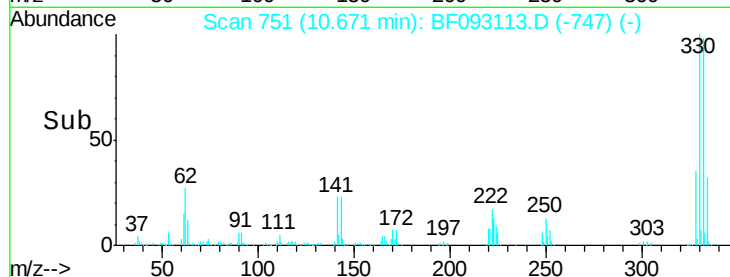
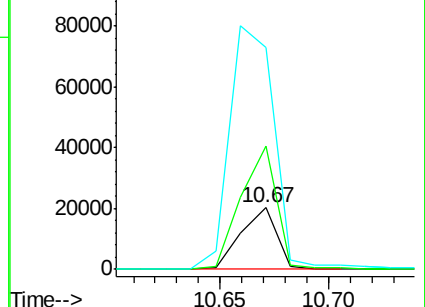
141 362.3 68.2 102.4#



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: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

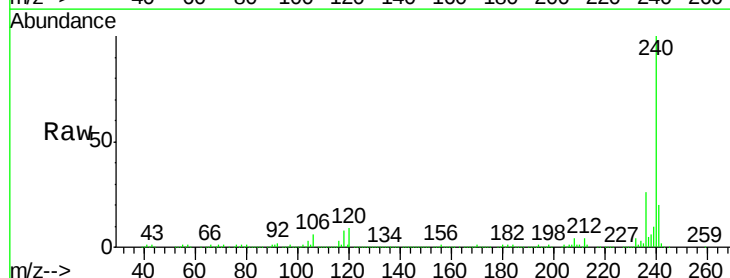
Tgt Ion:240 Resp: 494113

Ion Ratio Lower Upper

240 100

120 9.1 12.9 19.3#

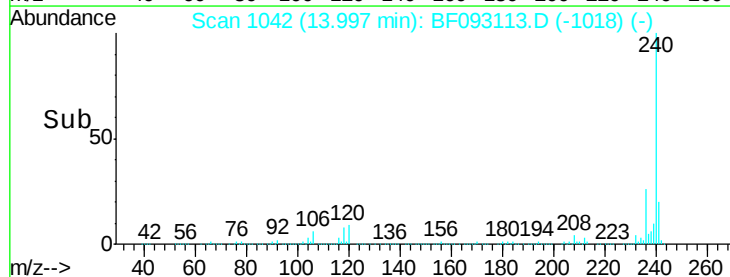
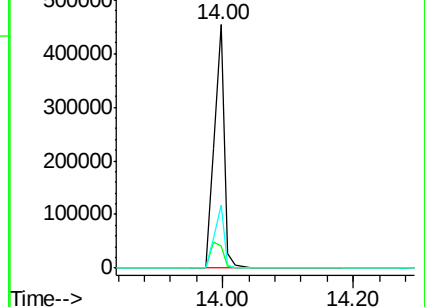
236 25.8 20.9 31.3

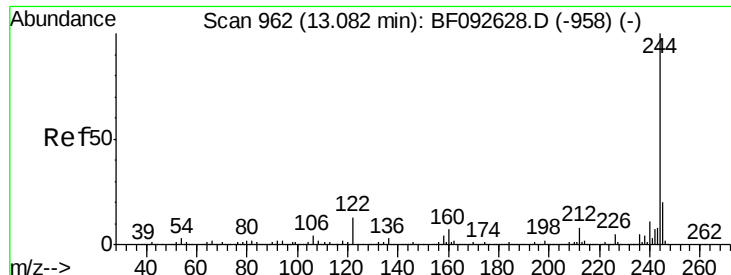


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 63.83 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-A2622

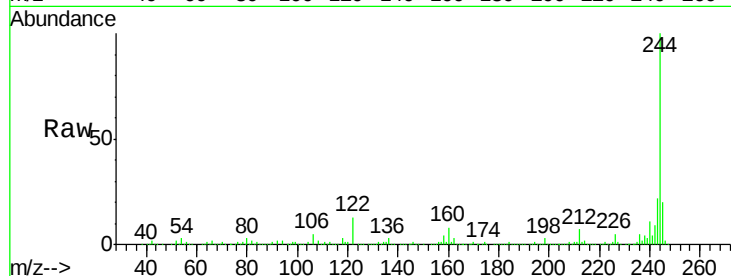
Tgt Ion:244 Resp: 1342298

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

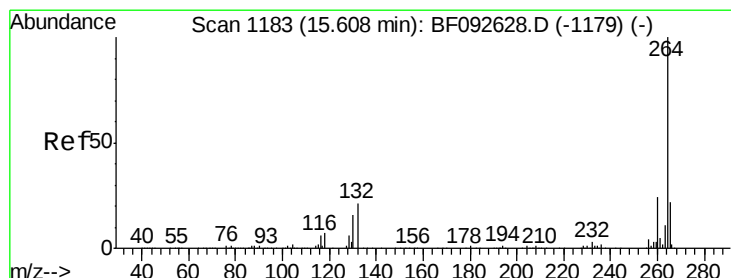
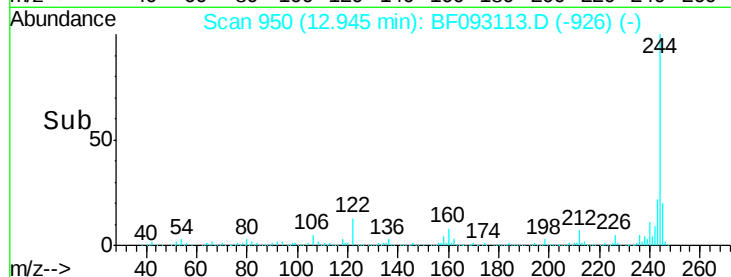
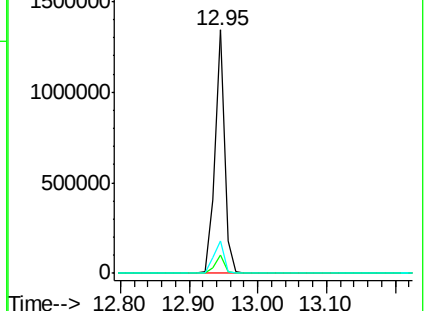
122 13.3 11.4 17.2



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: 15.41 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF093113.D

Acq: 23 Feb 2017 19:21

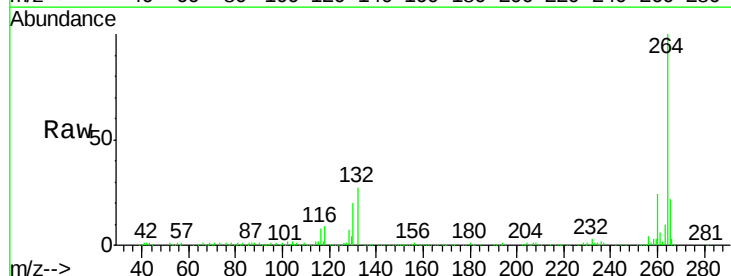
Tgt Ion:264 Resp: 363553

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.1 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

