

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096815.D
 Acq On : 17 Jul 2017 13:19
 Operator : SJ/JU
 Sample : I4159-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DIESEL-BOTTOM

Quant Time: Jul 17 13:54:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 17 13:30:18 2017
 Response via : Initial Calibration

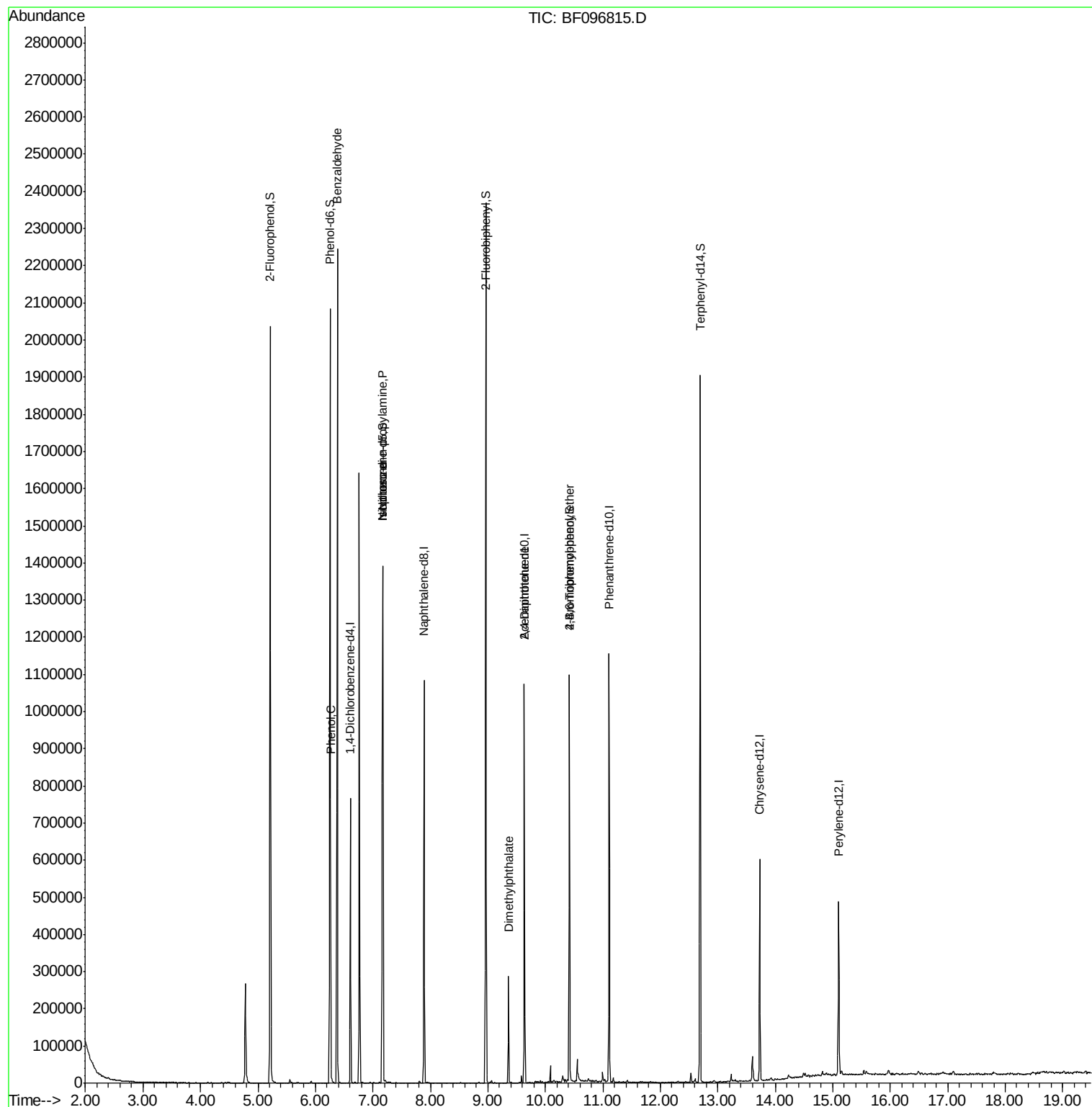
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	110138	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	521494	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	207233	20.00	ng	0.00
63) Phenanthrene-d10	11.11	188	371060	20.00	ng	0.00
75) Chrysene-d12	13.73	240	205401	20.00	ng	0.00
86) Perylene-d12	15.10	264	186984	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	553934	75.62	ng	0.00
7) Phenol-d6	6.26	99	686140	78.06	ng	0.00
23) Nitrobenzene-d5	7.17	82	449606	53.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	124979	70.65	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	783093	59.70	ng	0.00
78) Terphenyl-d14	12.69	244	560211	47.30	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	11693	2.301	ng	Qvalue 84
10) Phenol	6.27	94	20544	2.067	ng	91
19) n-Nitroso-di-n-propylamine	7.17	70	59478	11.231	ng	# 87
25) Isophorone	7.17	82	411750	26.290	ng	# 67
49) Dimethylphthalate	9.36	163	108232	6.936	ng	99
56) 2,4-Dinitrotoluene	9.63	165	25321	5.830	ng	# 32
66) 4-Bromophenyl-phenylether	10.42	248	8262	2.181	ng	# 1

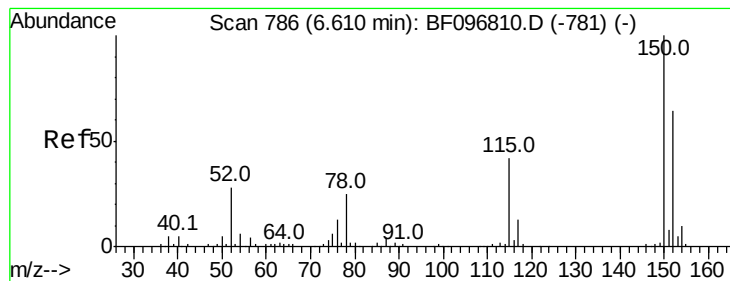
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF071717\
Data File : BF096815.D
Acq On : 17 Jul 2017 13:19
Operator : SJ/JU
Sample : I4159-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DIESEL-BOTTOM

Quant Time: Jul 17 13:54:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 17 13:30:18 2017
Response via : Initial Calibration



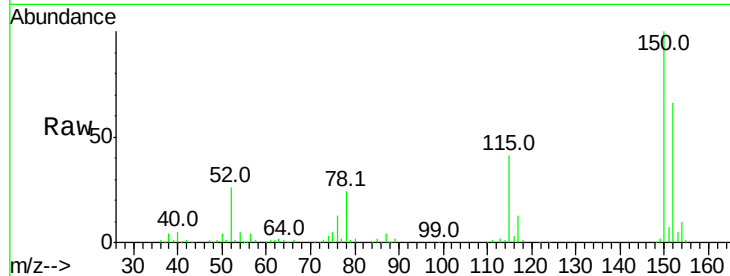


#1

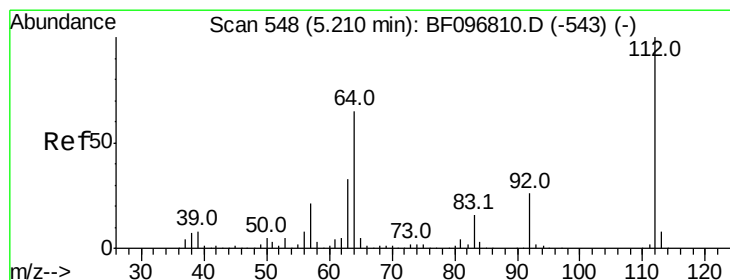
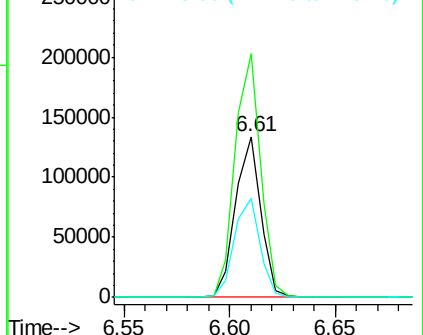
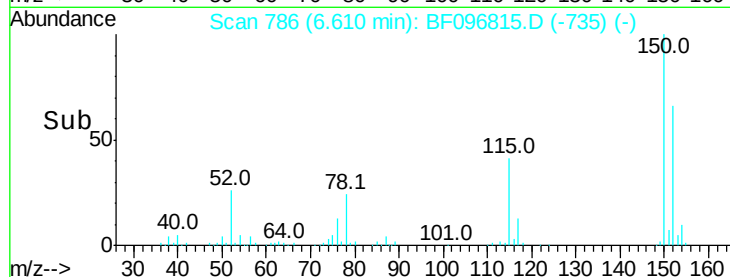
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF096815.D
Acq: 17 Jul 2017 13:19

Instrument :
BNA_F
ClientSampleId :
DIESEL-BOTTOM

Tot Ion:152 Resp: 110138
Ion Ratio Lower Upper
152 100
150 151.4 126.2 189.2
115 61.9 52.2 78.2



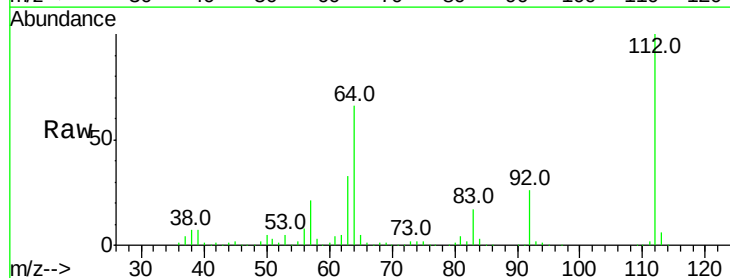
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



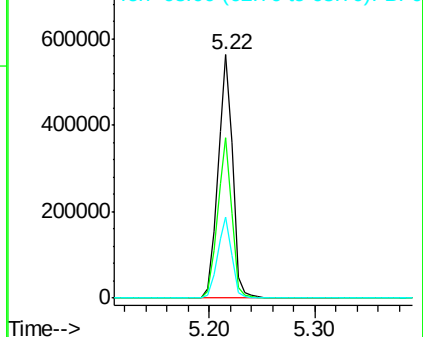
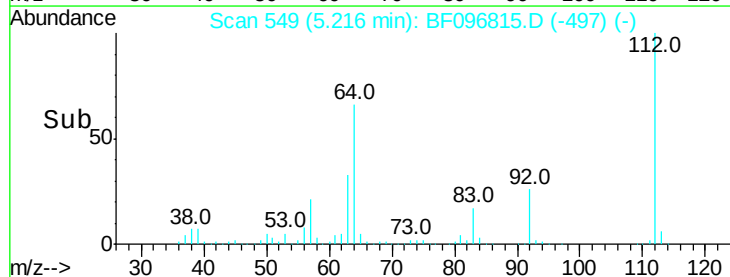
#5

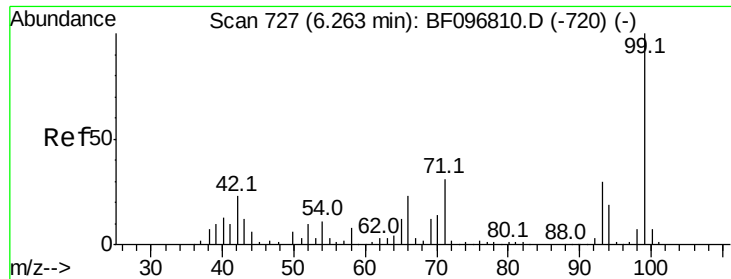
2-Fluorophenol
Concen: 75.622 ng
RT: 5.22 min Scan# 549
Delta R.T. 0.01 min
Lab File: BF096815.D
Acq: 17 Jul 2017 13:19

Tgt Ion:112 Resp: 553934
Ion Ratio Lower Upper
112 100
64 65.7 46.0 69.0
63 33.2 23.4 35.0



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: 78.057 ng

RT: 6.26 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

Instrument :

BNA_F

ClientSampleId :

DIESEL-BOTTOM

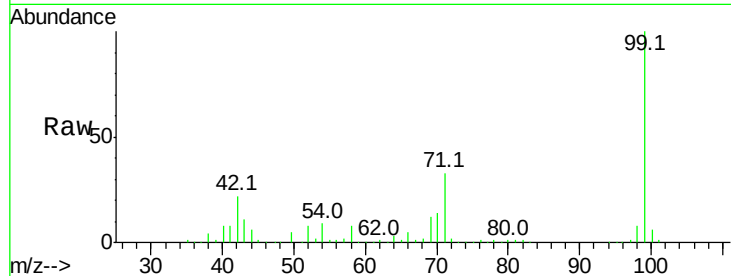
Tot Ion: 99 Resp: 686140

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

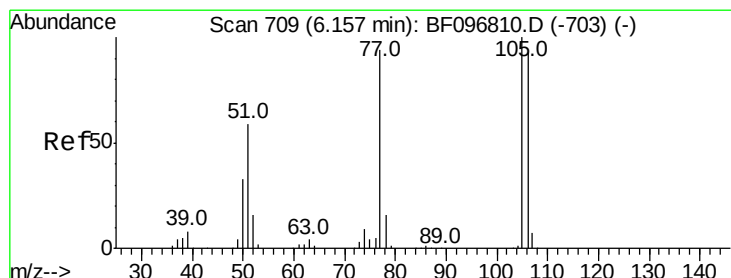
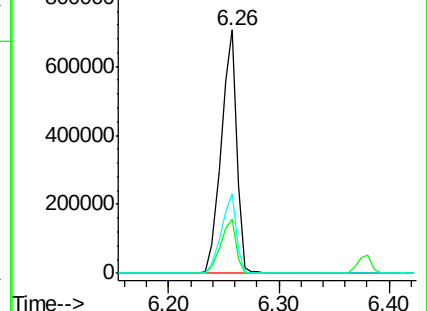
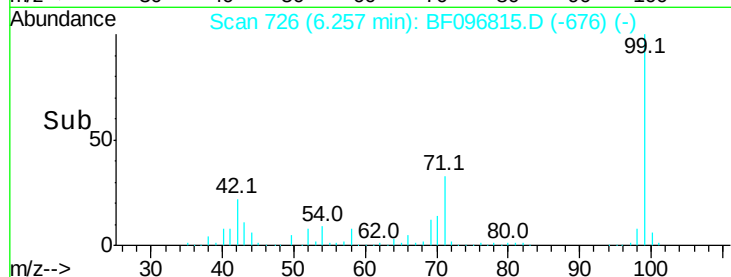
71 32.8 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.301 ng

RT: 6.38 min Scan# 747

Delta R.T. 0.22 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

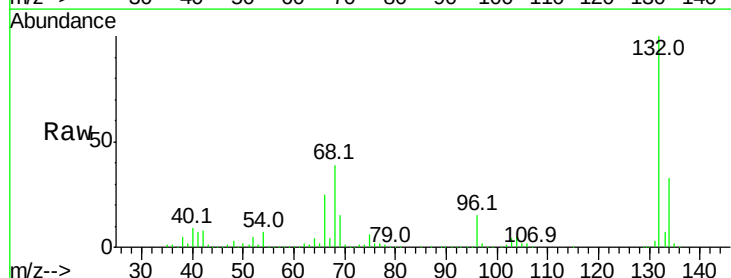
Tgt Ion: 77 Resp: 11693

Ion Ratio Lower Upper

77 100

105 85.8 83.8 123.8

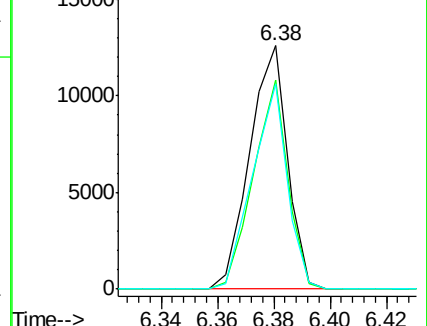
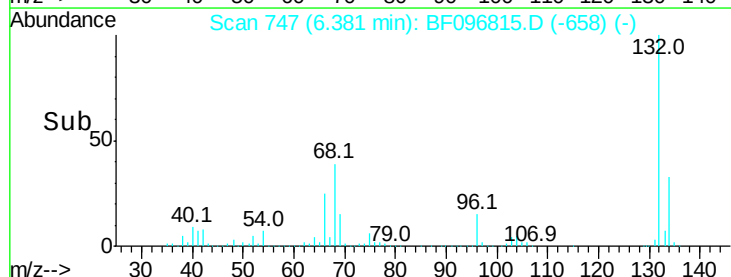
106 84.3 79.1 119.1

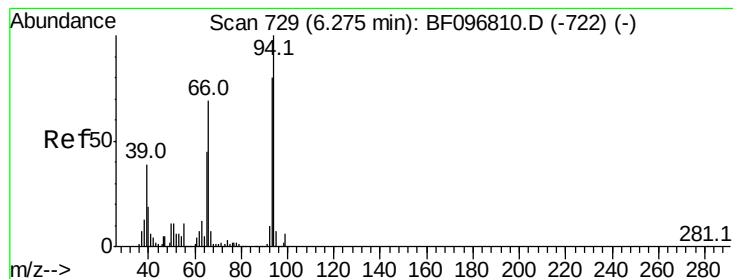


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.067 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

Instrument :

BNA_F

ClientSampleId :

DIESEL-BOTTOM

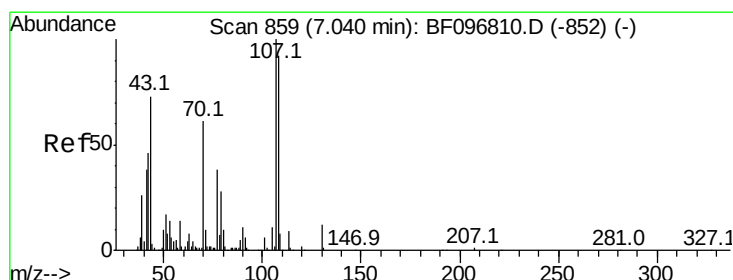
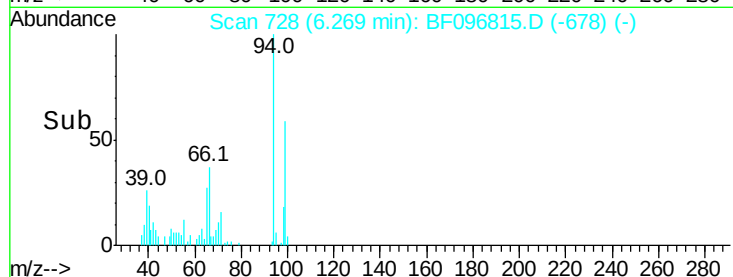
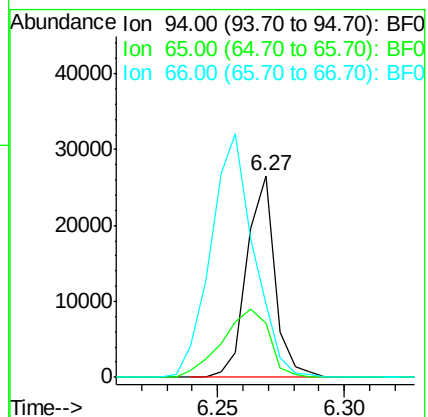
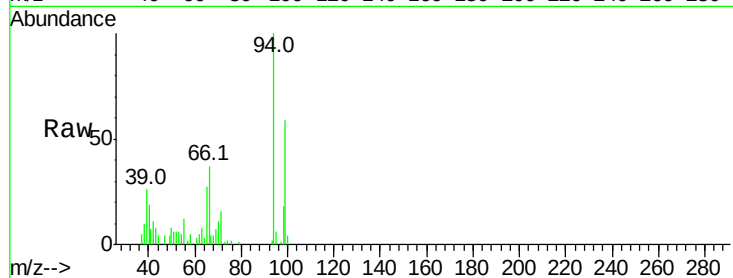
Tot Ion: 94 Resp: 20544

Ion Ratio Lower Upper

94 100

65 26.5 9.9 49.9

66 36.5 23.1 63.1



#19

n-Nitroso-di-n-propylamine

Concen: 11.231 ng

RT: 7.17 min Scan# 881

Delta R.T. 0.13 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

Tgt Ion: 70 Resp: 59478

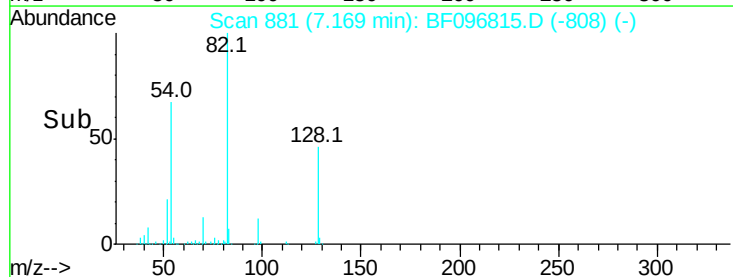
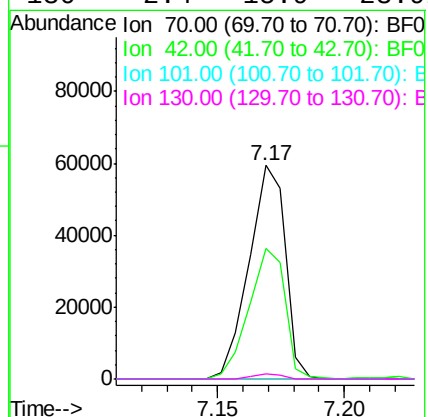
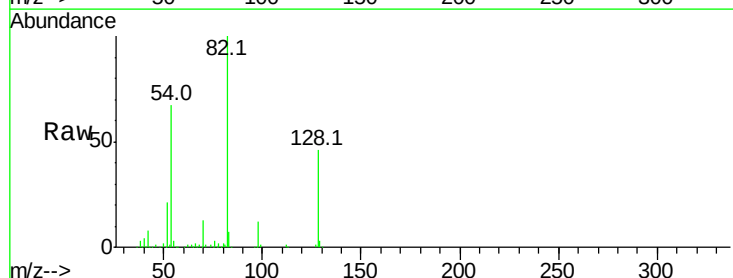
Ion Ratio Lower Upper

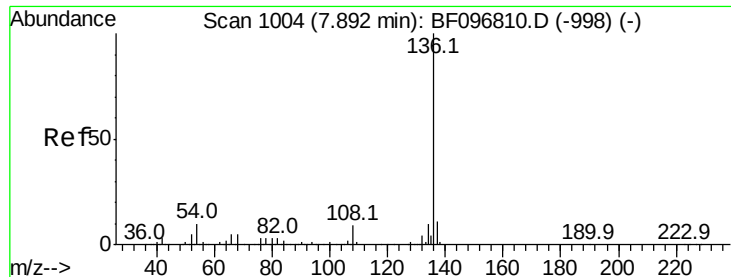
70 100

42 61.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

Instrument :

BNA_F

ClientSampleId :

DIESEL-BOTTOM

Tot Ion:136 Resp: 521494

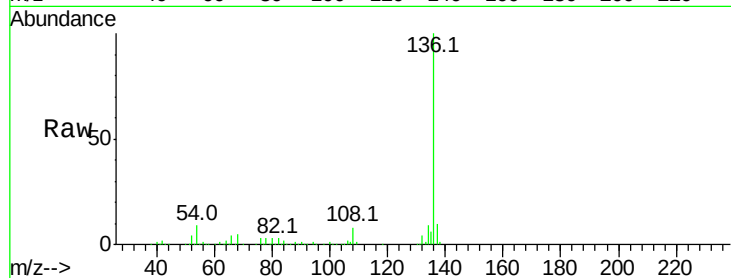
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 9.5 4.9 7.3#

68 5.0 4.1 6.1

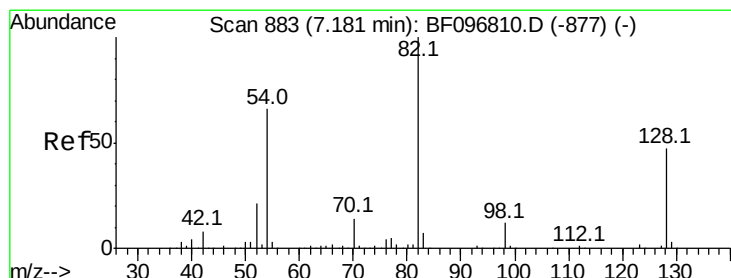
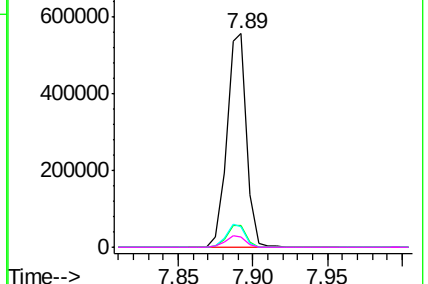
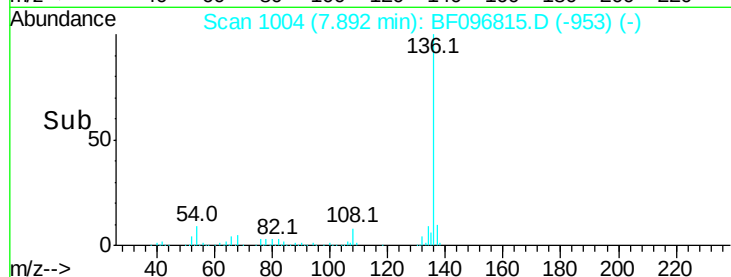


Abundance Ion 136.00 (135.70 to 136.70): E

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: 53.402 ng

RT: 7.17 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

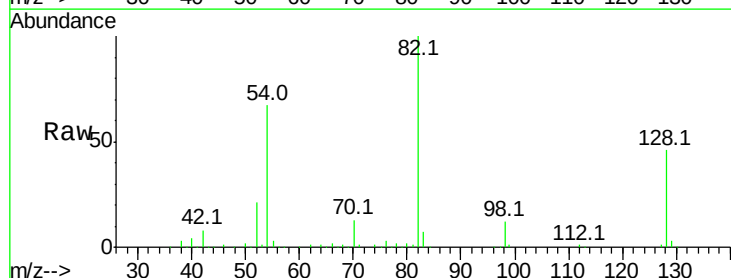
Tgt Ion: 82 Resp: 449606

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

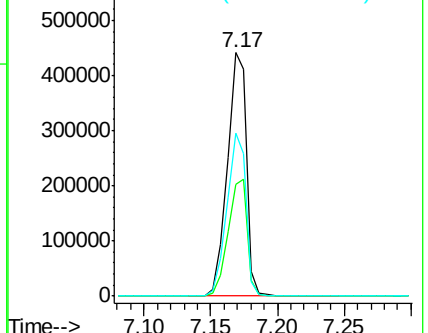
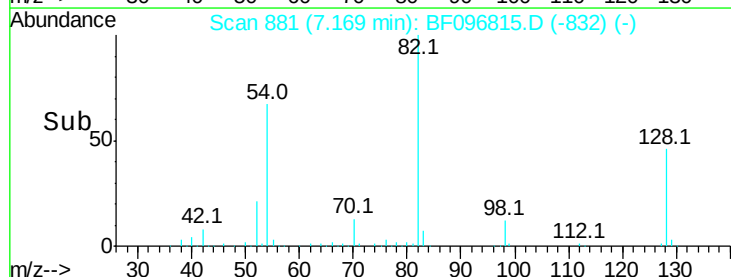
54 67.2 42.2 63.2#

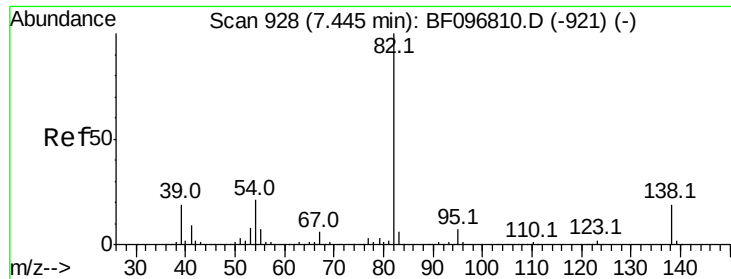


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 26.290 ng

RT: 7.17 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

Instrument :

BNA_F

ClientSampleId :

DIESEL-BOTTOM

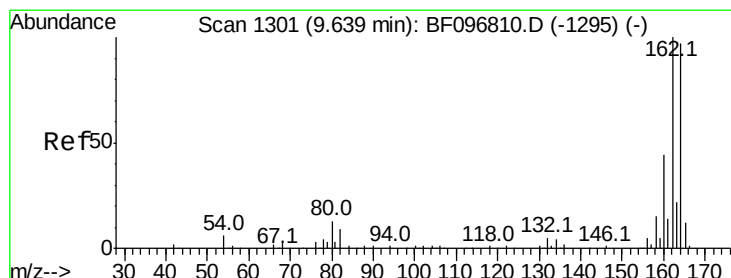
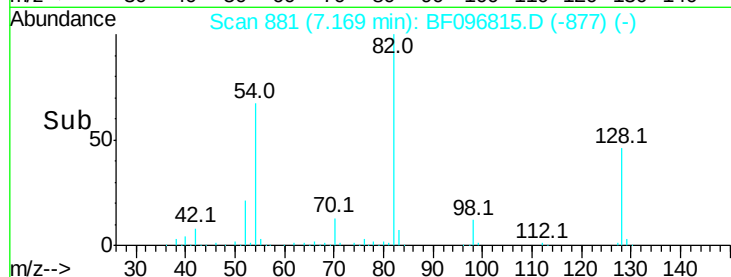
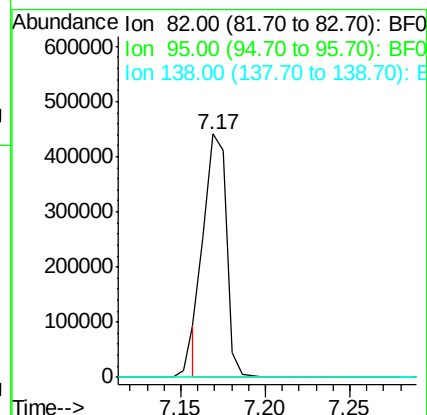
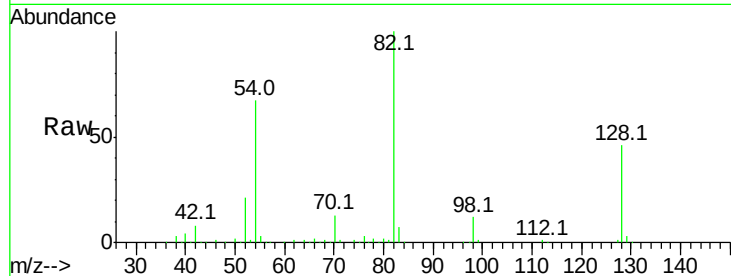
Tot Ion: 82 Resp: 411750

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.63 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

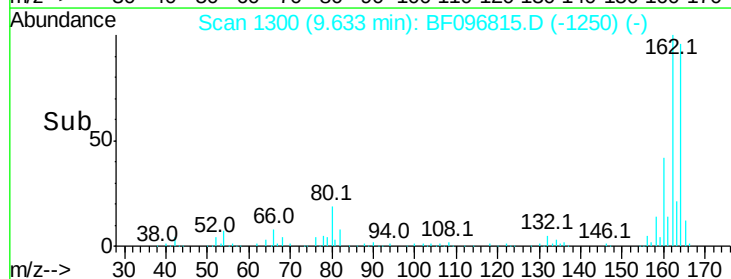
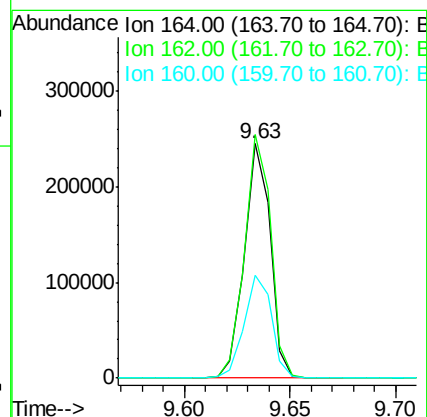
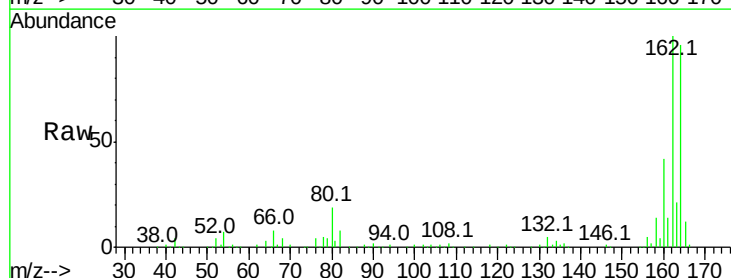
Tgt Ion: 164 Resp: 207233

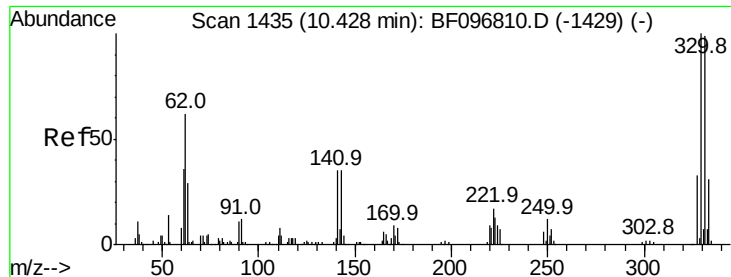
Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

160 44.1 36.2 54.2

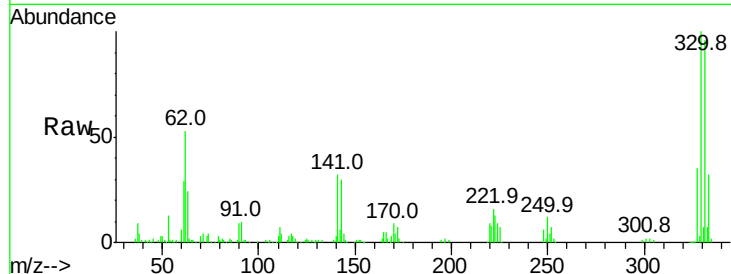




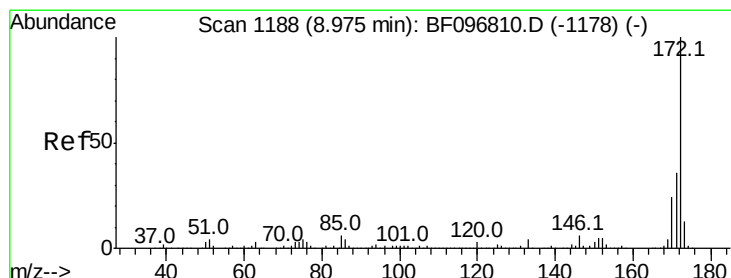
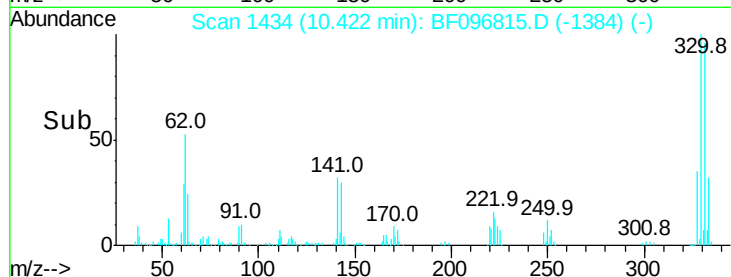
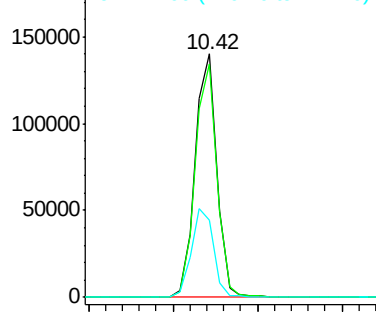
#41
 2,4,6-Tribromophenol
 Concen: 70.653 ng
 RT: 10.42 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF096815.D
 Acq: 17 Jul 2017 13:19

Instrument :
 BNA_F
 ClientSampleId :
 DIESEL-BOTTOM

Tot Ion:330 Resp: 124979
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 37.6 31.4 47.2

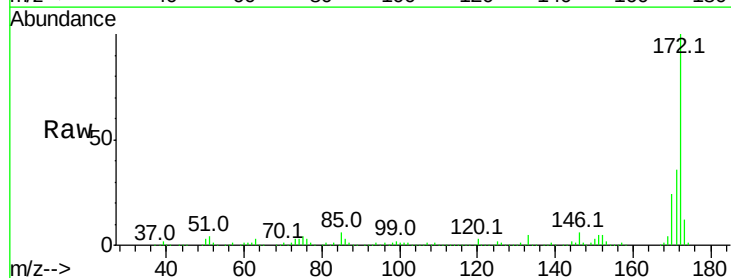


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

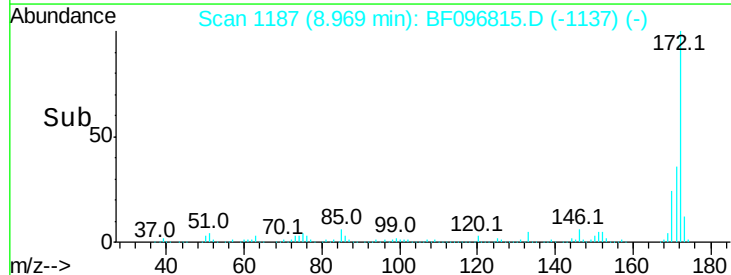
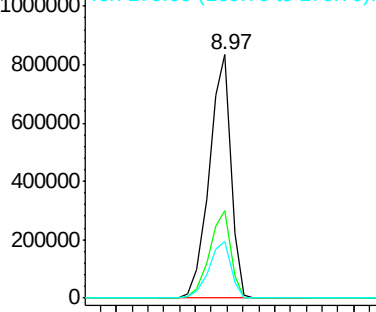


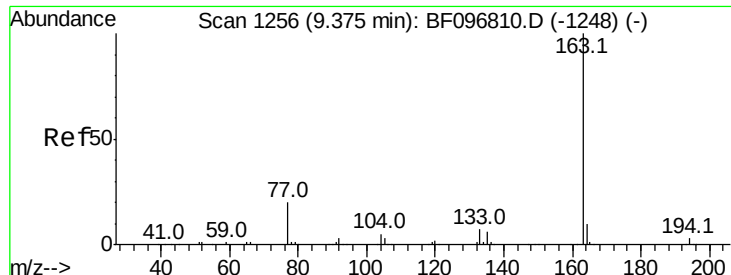
#44
 2-Fluorobiphenyl
 Concen: 59.702 ng
 RT: 8.97 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF096815.D
 Acq: 17 Jul 2017 13:19

Tgt Ion:172 Resp: 783093
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.5 19.8 29.8



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





#49

Dimethylphthalate

Concen: 6.936 ng

RT: 9.36 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

Instrument :

BNA_F

ClientSampleId :

DIESEL-BOTTOM

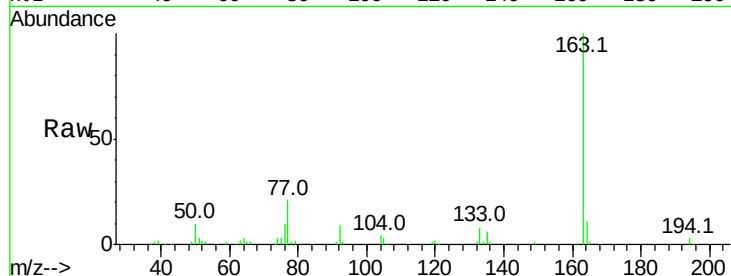
Tot Ion:163 Resp: 108232

Ion Ratio Lower Upper

163 100

194 2.7 2.6 4.0

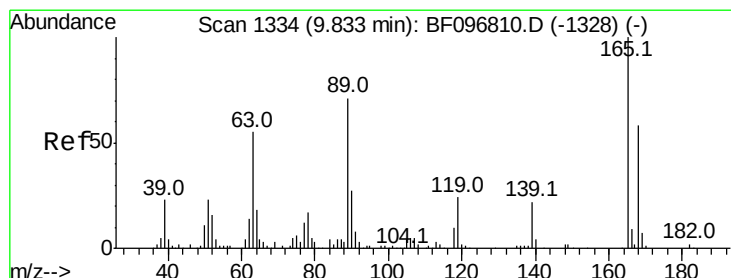
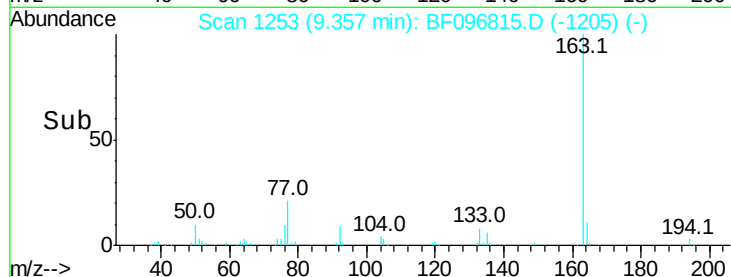
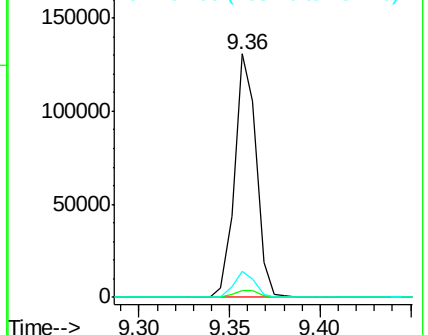
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.830 ng

RT: 9.63 min Scan# 1300

Delta R.T. -0.20 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

Tgt Ion:165 Resp: 25321

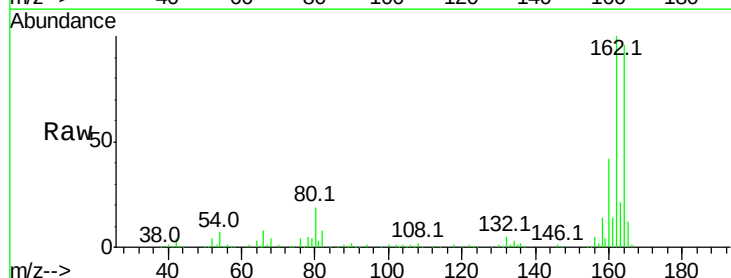
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.1 46.4 69.6#

182 0.0 1.8 2.6#

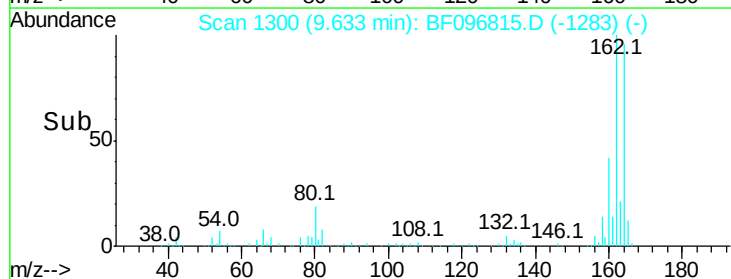
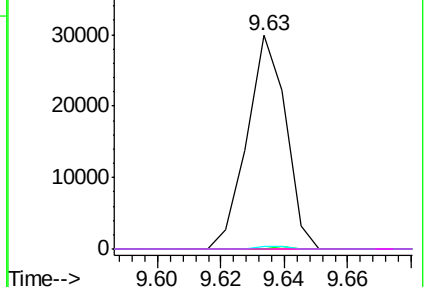


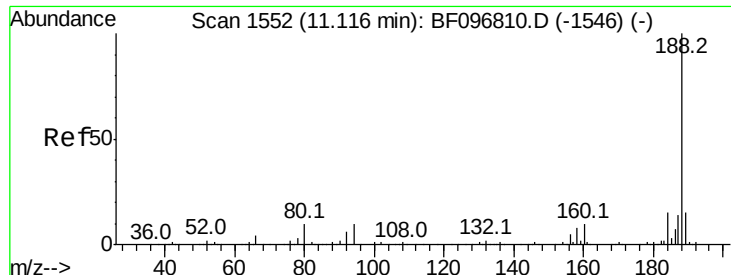
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.11 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

Instrument :

BNA_F

ClientSampleId :

DIESEL-BOTTOM

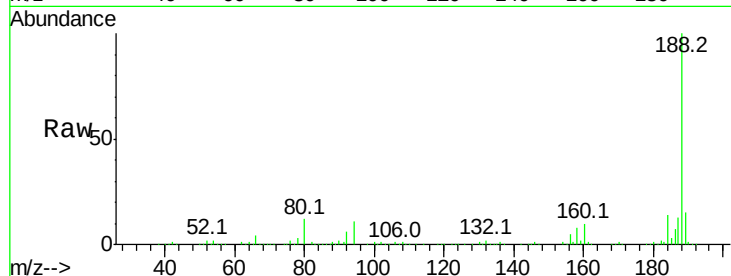
Tot Ion:188 Resp: 371060

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

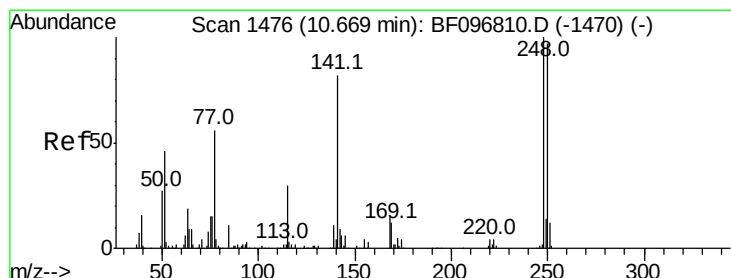
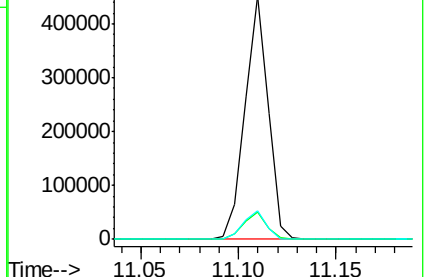
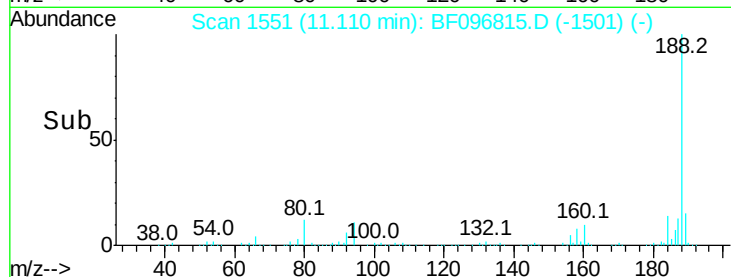
80 11.8 10.2 15.2



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



#66

4-Bromophenyl-phenylether

Concen: 2.181 ng

RT: 10.42 min Scan# 1434

Delta R.T. -0.25 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

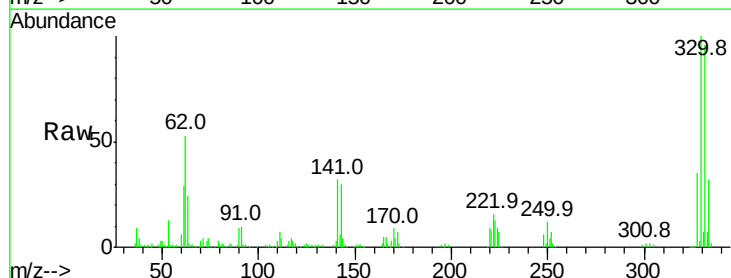
Tgt Ion:248 Resp: 8262

Ion Ratio Lower Upper

248 100

250 192.6 76.8 115.2#

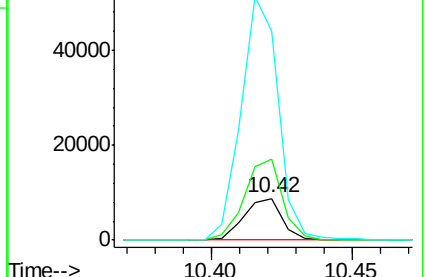
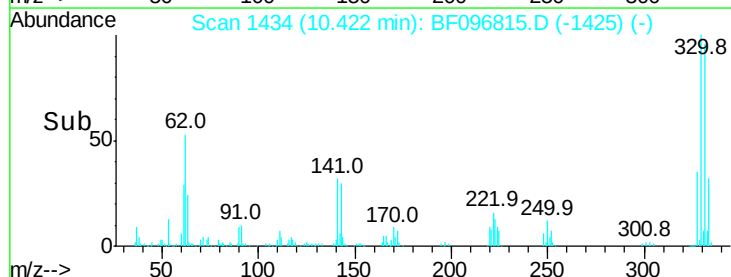
141 499.2 68.6 103.0#

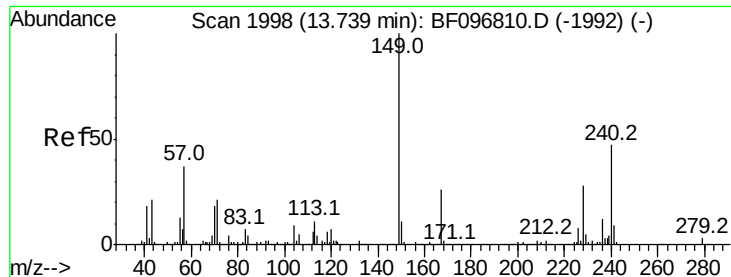


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

Instrument :

BNA_F

ClientSampleId :

DIESEL-BOTTOM

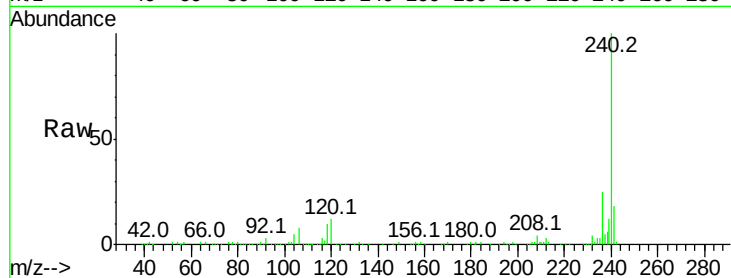
Tot Ion:240 Resp: 205401

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

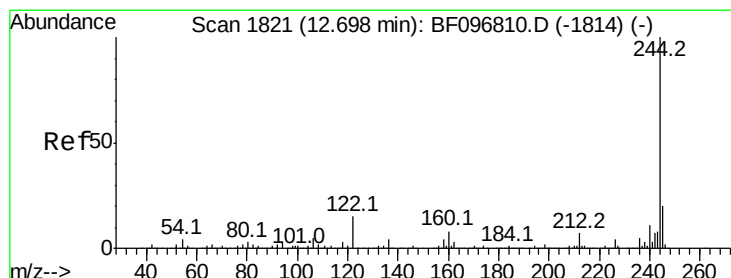
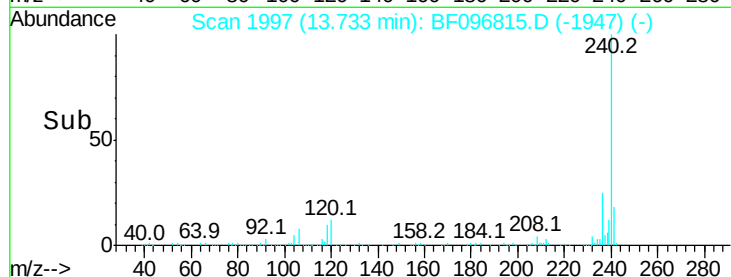
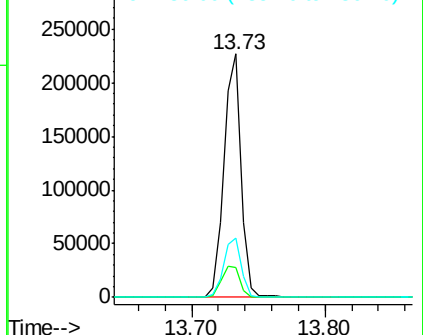
236 24.5 20.5 30.7



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: 47.300 ng

RT: 12.69 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF096815.D

Acq: 17 Jul 2017 13:19

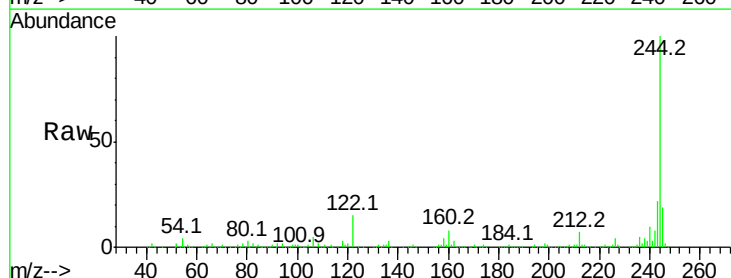
Tgt Ion:244 Resp: 560211

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

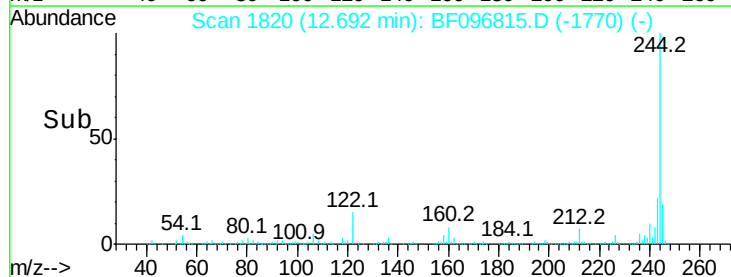
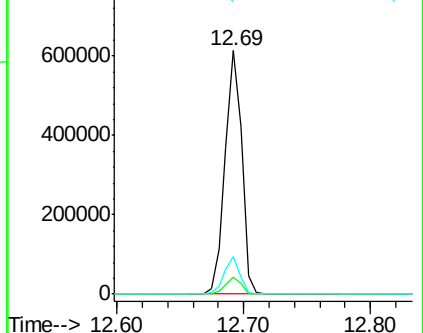
122 15.2 10.3 15.5

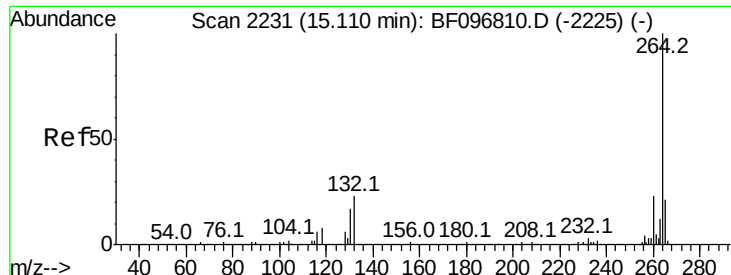


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.10 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF096815.D
Acq: 17 Jul 2017 13:19

Instrument :
BNA_F
ClientSampleId :
DIESEL-BOTTOM

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.1	17.2	25.8

