

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102416\
 Data File : BF090803.D
 Acq On : 24 Oct 2016 22:24
 Operator : UM/SJ
 Sample : H5393-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 END-EAST-DIESEL

Quant Time: Oct 25 01:00:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:36:31 2016
 Response via : Initial Calibration

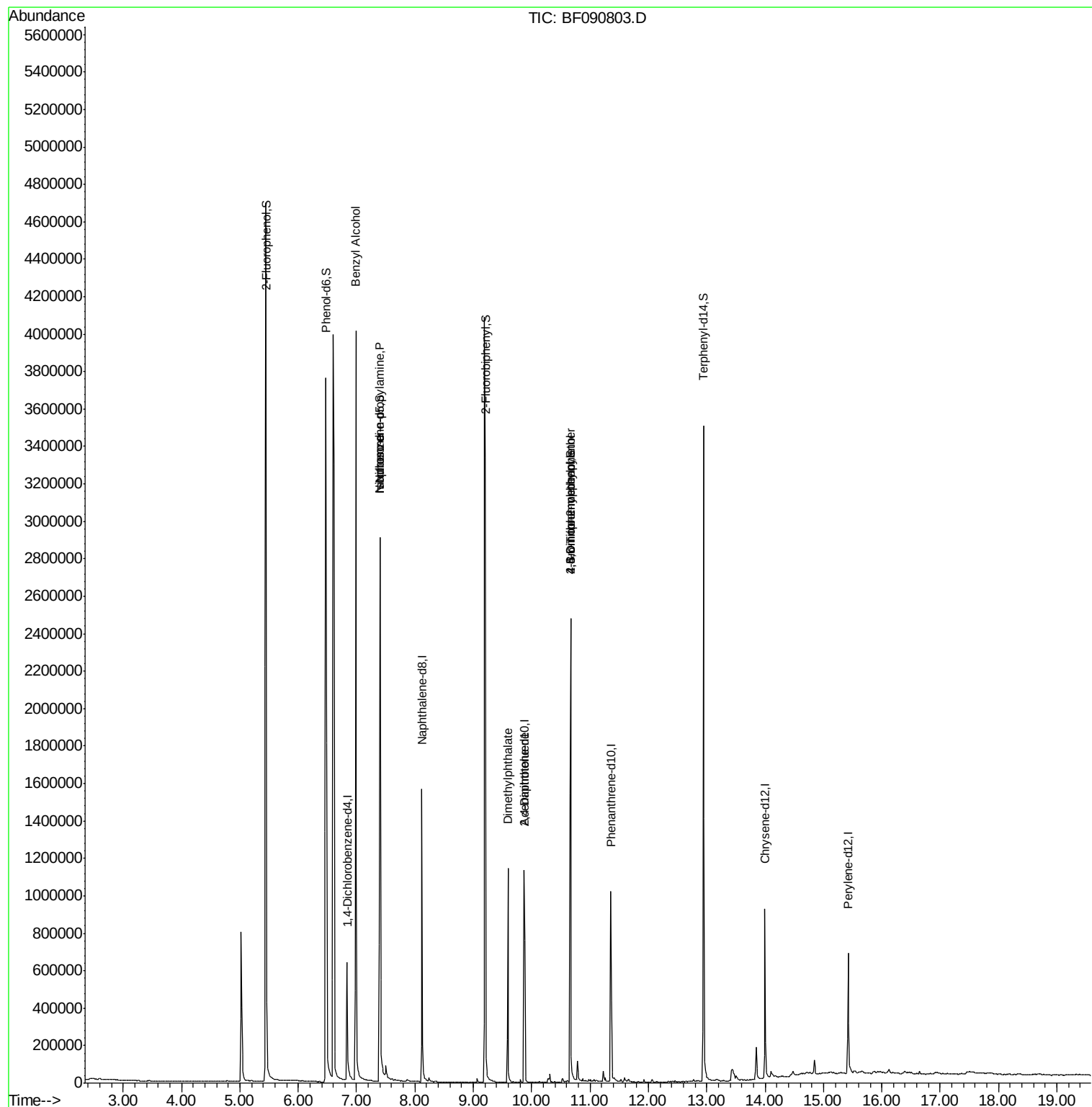
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	165223	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	723351	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	317064	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	457531	20.00	ng	-0.03
75) Chrysene-d12	14.00	240	343644	20.00	ng	-0.02
86) Perylene-d12	15.42	264	297630	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1552575	151.55	ng	-0.01
7) Phenol-d6	6.47	99	2005907	144.55	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1205943	91.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	447369	178.27	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	1927193	94.36	ng	-0.02
78) Terphenyl-d14	12.94	244	1324692	88.35	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	6.99	79	20592	2.18	ng	# 32
19) n-Nitroso-di-n-propylamine	7.40	70	160275	15.51	ng	# 53
25) Isophorone	7.40	82	999906	40.05	ng	# 58
49) Dimethylphthalate	9.59	163	467415	23.46	ng	# 98
56) 2,4-Dinitrotoluene	9.87	165	40322	7.70	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.67	198	811	4.43	ng	# 18
66) 4-Bromophenyl-phenylether	10.67	248	28348	6.39	ng	# 1

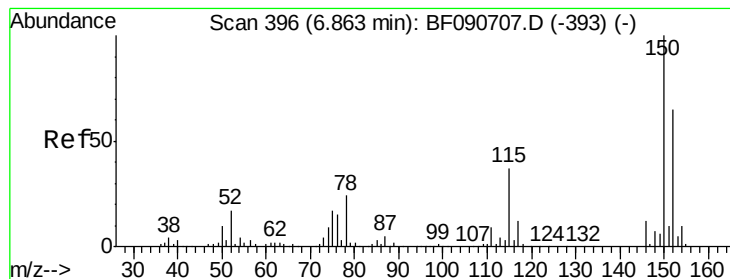
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 394

Delta R.T. -0.02 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

Instrument :

BNA_F

ClientSampleId :

END-EAST-DIESEL

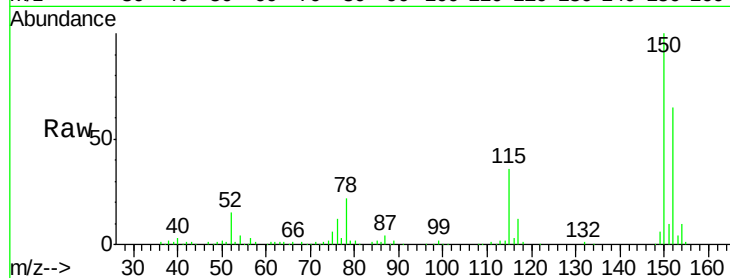
Tgt Ion:152 Resp: 165223

Ion Ratio Lower Upper

152 100

150 153.5 124.7 187.1

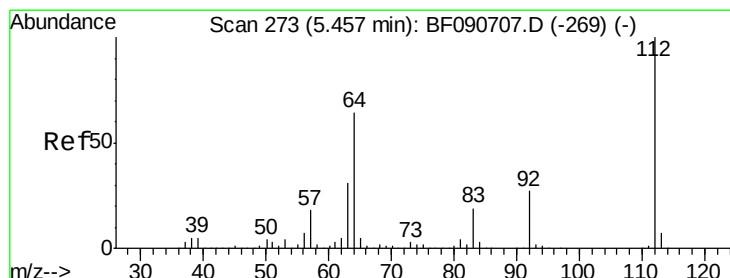
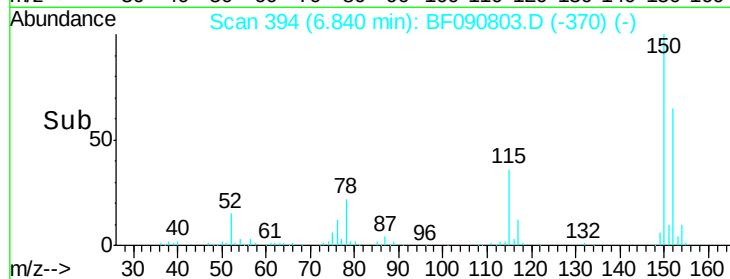
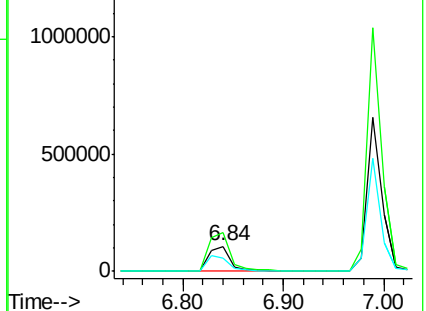
115 55.0 39.0 58.4



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: 151.55 ng

RT: 5.45 min Scan# 272

Delta R.T. -0.01 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

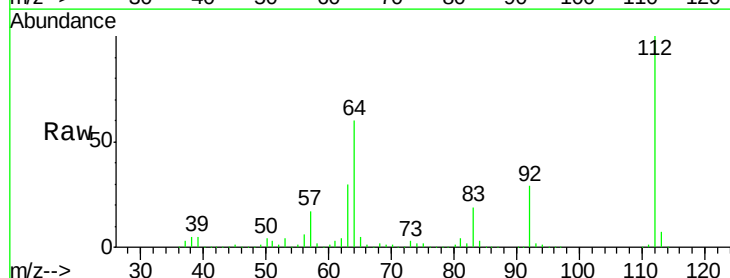
Tgt Ion:112 Resp: 1552575

Ion Ratio Lower Upper

112 100

64 60.5 39.7 59.5#

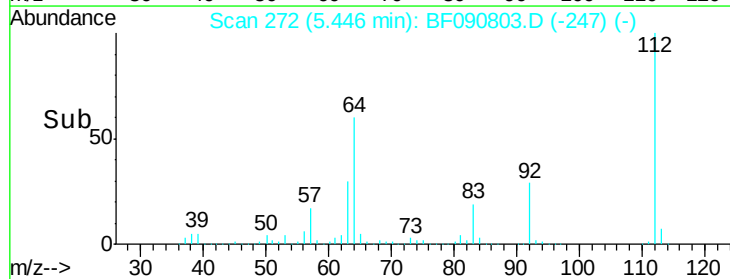
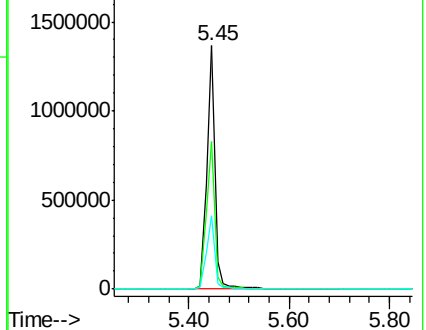
63 30.1 17.4 26.0#

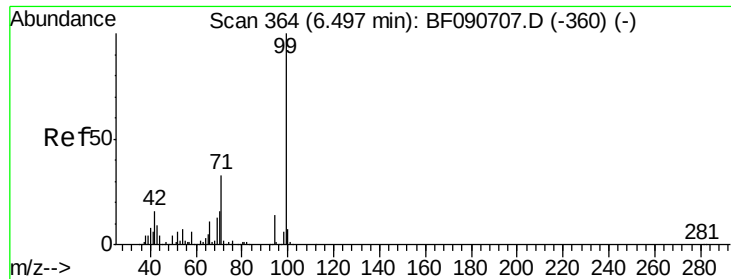


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 144.55 ng

RT: 6.47 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

Instrument :

BNA_F

ClientSampleId :

END-EAST-DIESEL

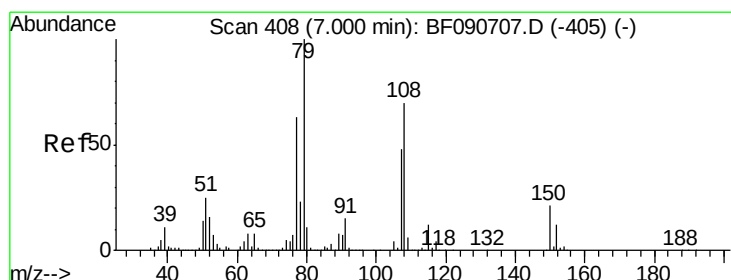
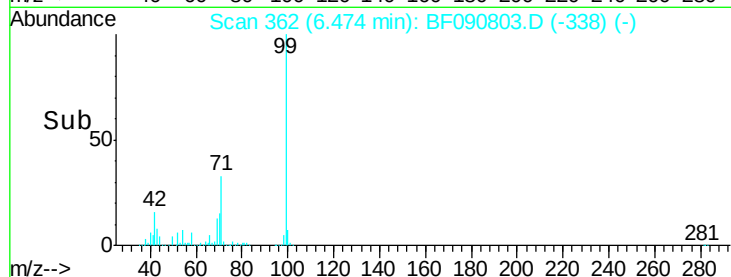
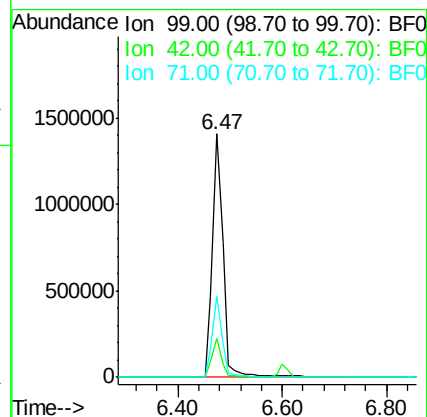
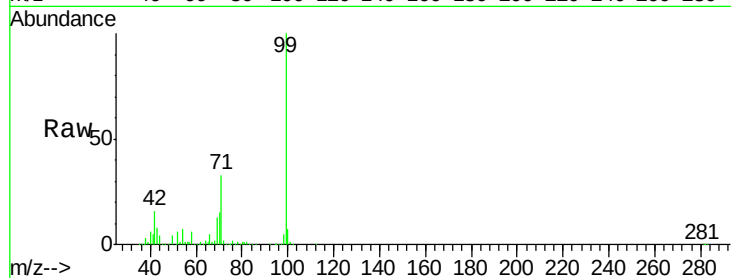
Tgt Ion: 99 Resp: 2005907

Ion Ratio Lower Upper

99 100

42 16.0 13.7 20.5

71 33.1 14.2 21.2#



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.99 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

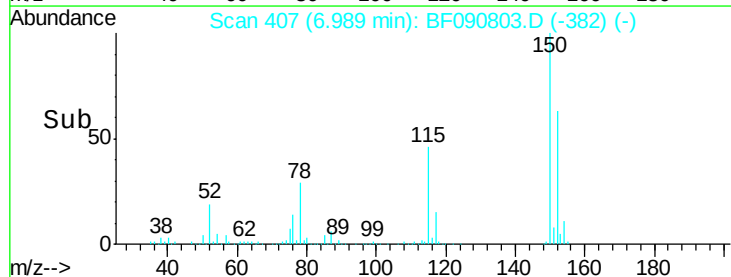
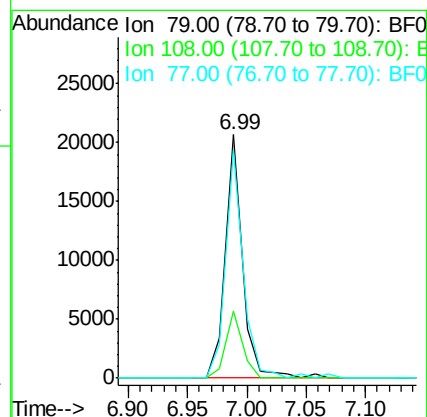
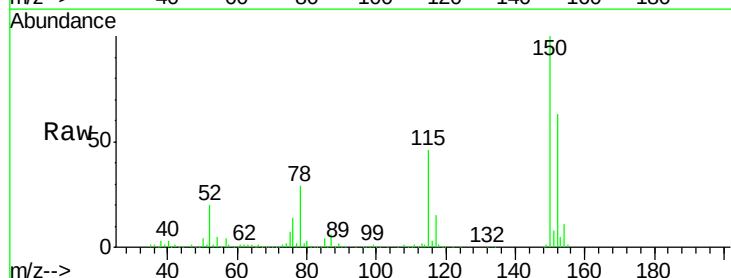
Tgt Ion: 79 Resp: 20592

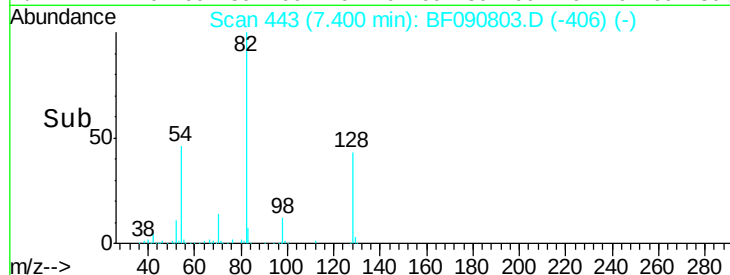
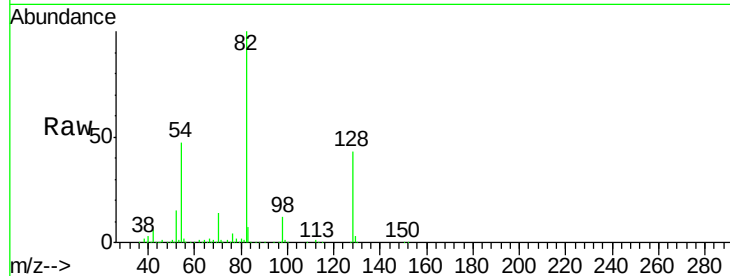
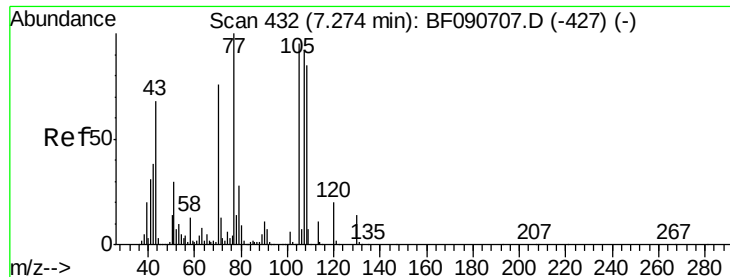
Ion Ratio Lower Upper

79 100

108 27.4 88.6 132.8#

77 94.0 47.0 70.4#

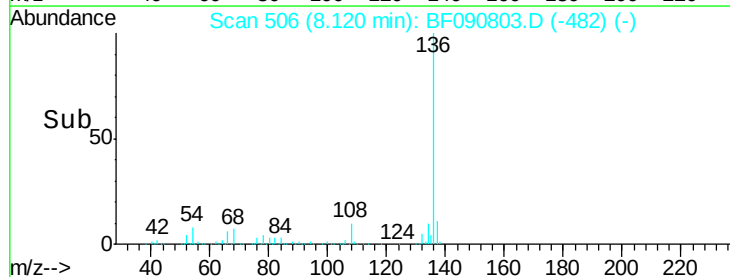
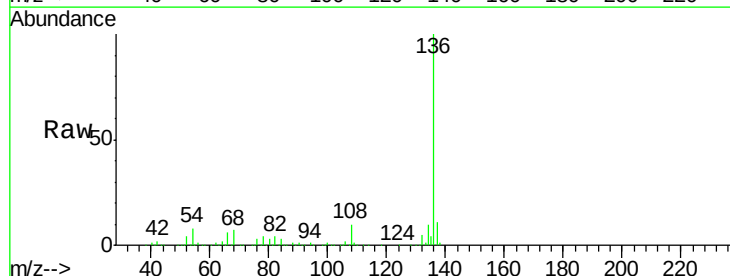
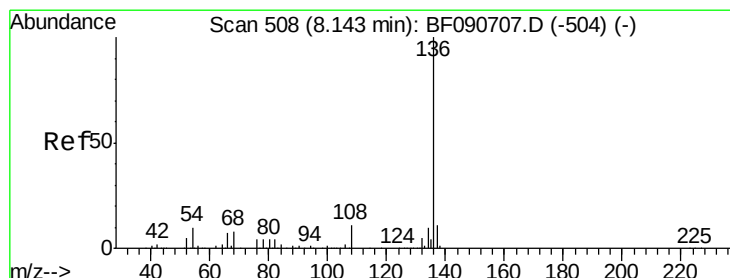
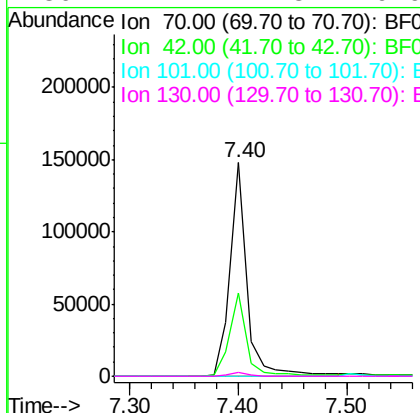




#19
n-Nitroso-di-n-propylamine
Concen: 15.51 ng
RT: 7.40 min Scan# 443
Delta R.T. 0.13 min
Lab File: BF090803.D
Acq: 24 Oct 2016 22:24

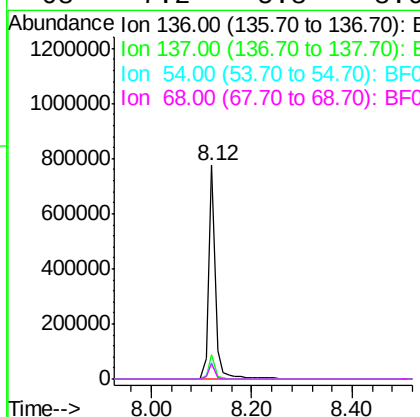
Instrument :
BNA_F
ClientSampleId :
END-EAST-DIESEL

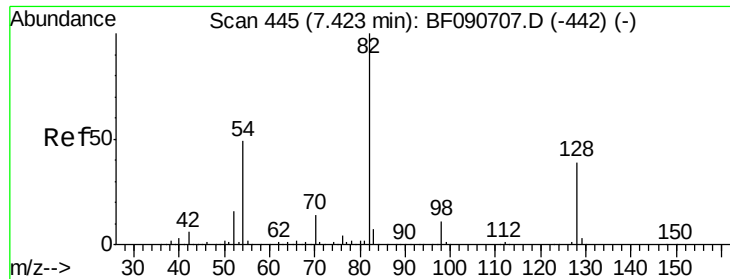
Tgt Ion: 70 Resp: 160275
Ion Ratio Lower Upper
70 100
42 39.0 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 506
Delta R.T. -0.02 min
Lab File: BF090803.D
Acq: 24 Oct 2016 22:24

Tgt Ion: 136 Resp: 723351
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 8.1 8.2 12.2#
68 7.2 5.8 8.6

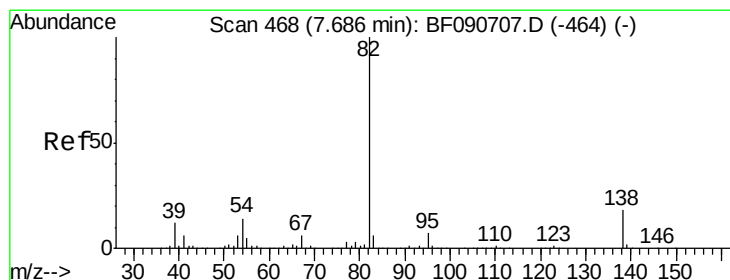
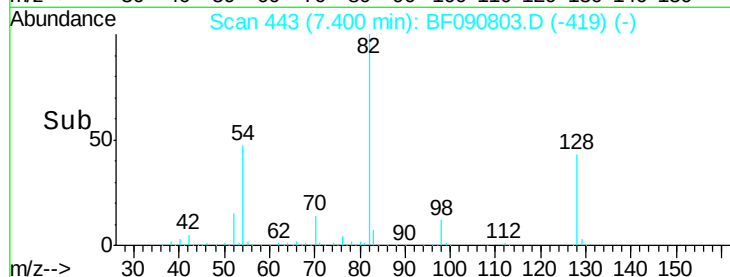
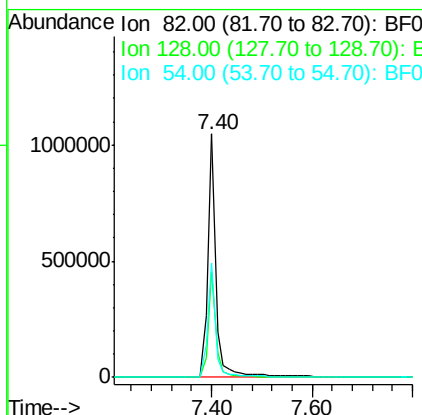
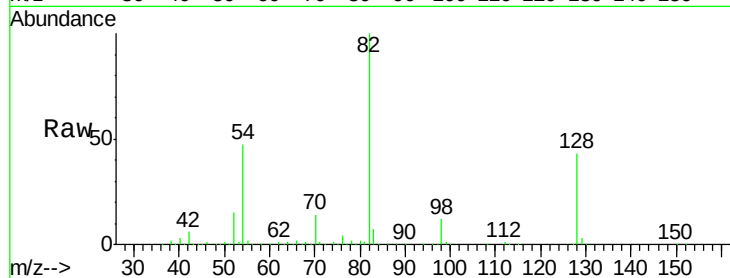




#23
 Nitrobenzene-d5
 Concen: 91.44 ng
 RT: 7.40 min Scan# 443
 Delta R.T. -0.02 min
 Lab File: BF090803.D
 Acq: 24 Oct 2016 22:24

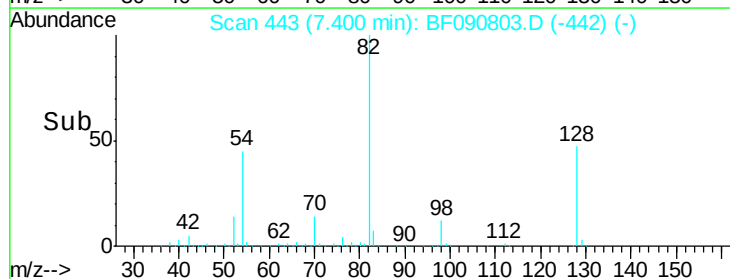
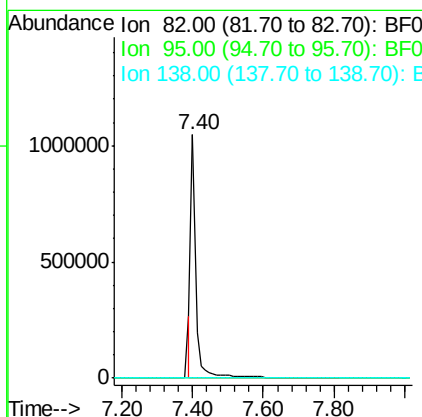
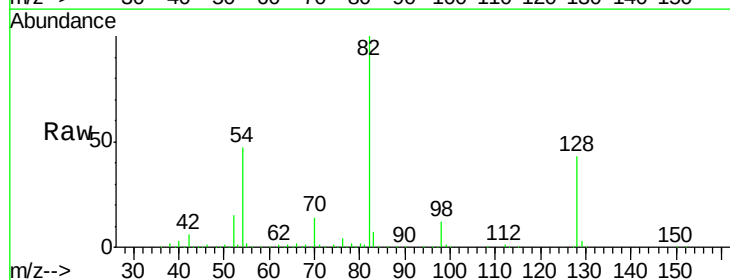
Instrument :
 BNA_F
 ClientSampleId :
 END-EAST-DIESEL

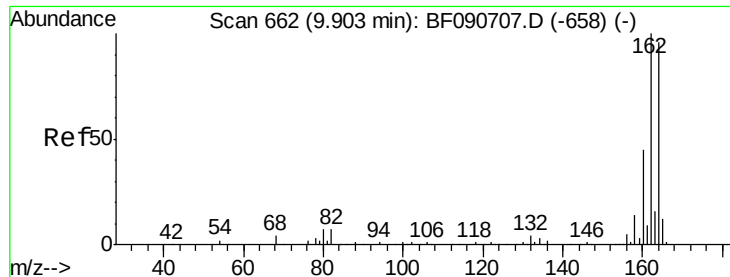
Tgt Ion: 82 Resp: 1205943
 Ion Ratio Lower Upper
 82 100
 128 43.1 51.0 76.6#
 54 47.1 47.5 71.3#



#25
 Isophorone
 Concen: 40.05 ng
 RT: 7.40 min Scan# 443
 Delta R.T. -0.29 min
 Lab File: BF090803.D
 Acq: 24 Oct 2016 22:24

Tgt Ion: 82 Resp: 999906
 Ion Ratio Lower Upper
 82 100
 95 0.0 4.0 6.0#
 138 0.0 18.3 27.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

Instrument :

BNA_F

ClientSampleId :

END-EAST-DIESEL

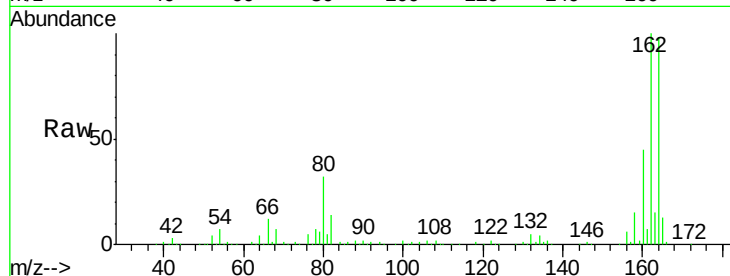
Tgt Ion:164 Resp: 317064

Ion Ratio Lower Upper

164 100

162 102.3 75.2 112.8

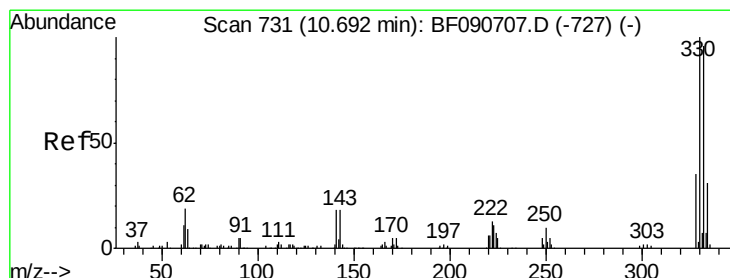
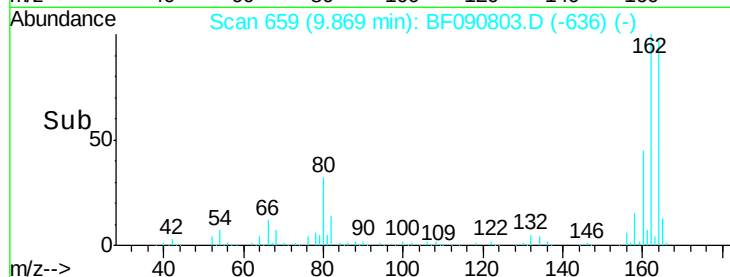
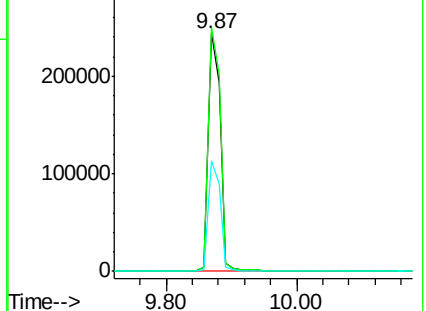
160 46.5 31.5 47.3



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: 178.27 ng

RT: 10.67 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

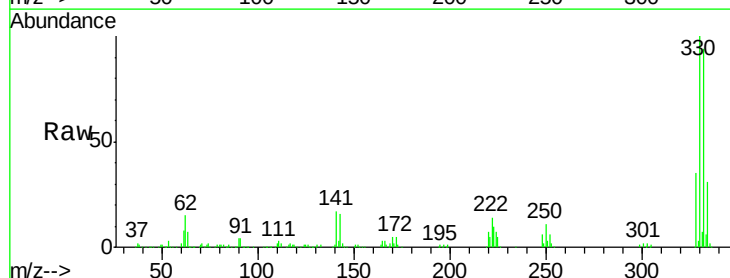
Tgt Ion:330 Resp: 447369

Ion Ratio Lower Upper

330 100

332 94.8 76.6 114.8

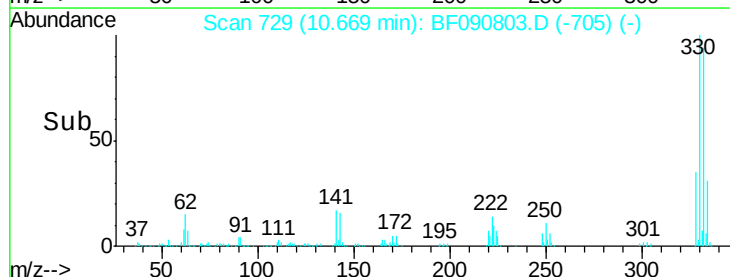
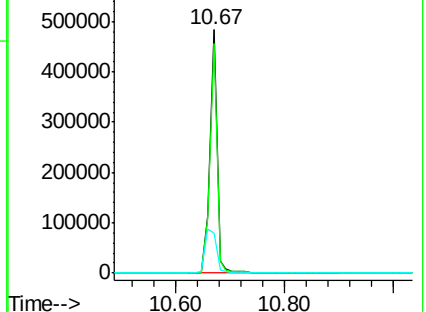
141 28.4 29.7 44.5#

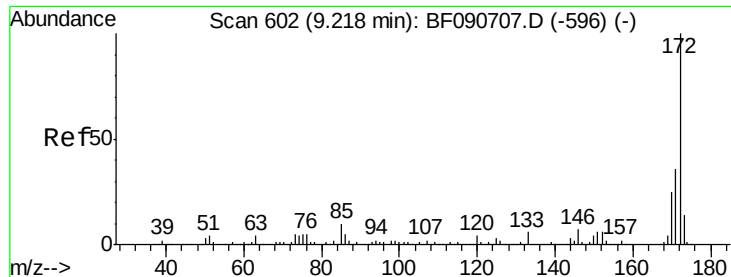


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

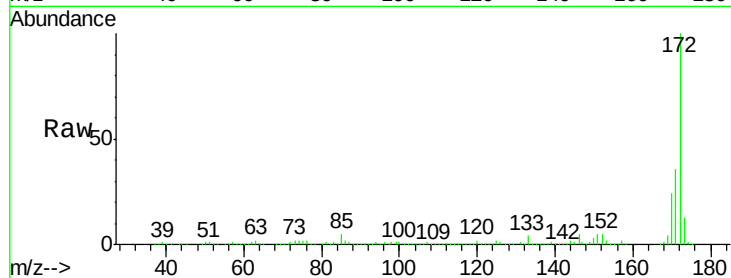




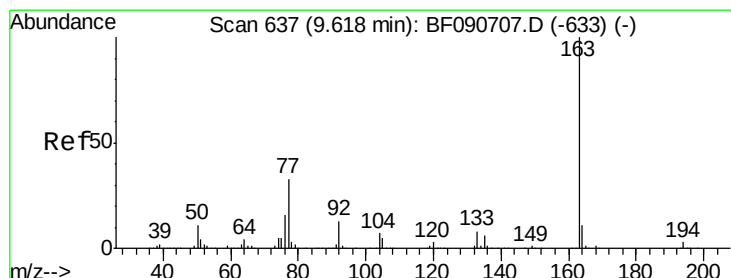
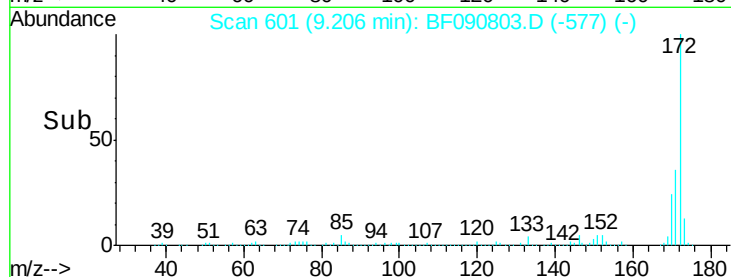
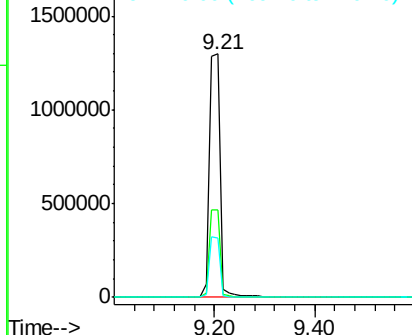
#44
 2-Fluorobiphenyl
 Concen: 94.36 ng
 RT: 9.21 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF090803.D
 Acq: 24 Oct 2016 22:24

Instrument :
 BNA_F
 ClientSampleId :
 END-EAST-DIESEL

Tgt Ion:172 Resp: 1927193
 Ion Ratio Lower Upper
 172 100
 171 35.9 26.1 39.1
 170 24.3 17.4 26.2

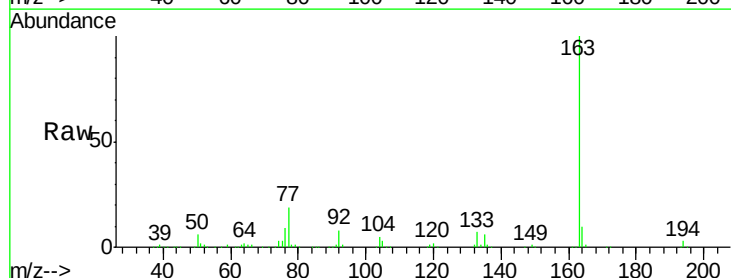


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

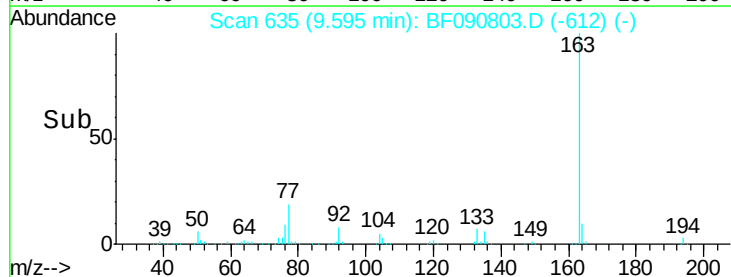
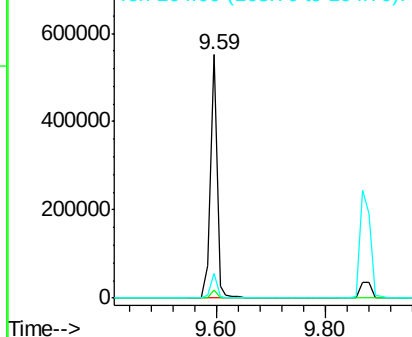


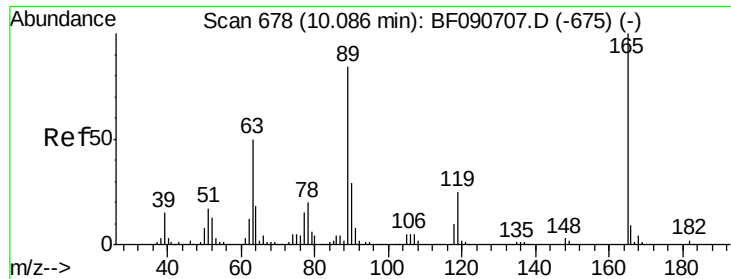
#49
 Dimethylphthalate
 Concen: 23.46 ng
 RT: 9.59 min Scan# 635
 Delta R.T. -0.03 min
 Lab File: BF090803.D
 Acq: 24 Oct 2016 22:24

Tgt Ion:163 Resp: 467415
 Ion Ratio Lower Upper
 163 100
 194 3.4 4.4 6.6#
 164 10.3 8.3 12.5



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

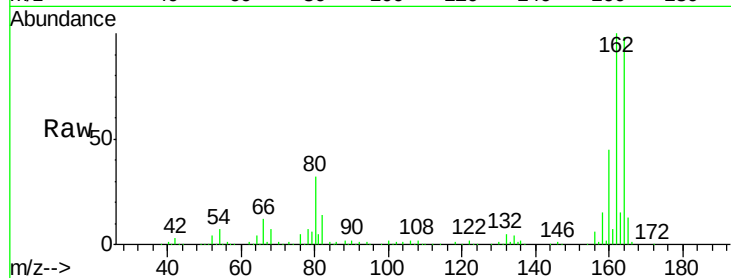




#56
 2,4-Dinitrotoluene
 Concen: 7.70 ng
 RT: 9.87 min Scan# 659
 Delta R.T. -0.22 min
 Lab File: BF090803.D
 Acq: 24 Oct 2016 22:24

Instrument :
 BNA_F
 ClientSampleId :
 END-EAST-DIESEL

Tgt Ion:	165	Resp:	40322
Ion Ratio	Lower	Upper	
165	100		
63	1.3	29.8	44.6#
89	1.1	44.5	66.7#
182	0.0	3.0	4.4#

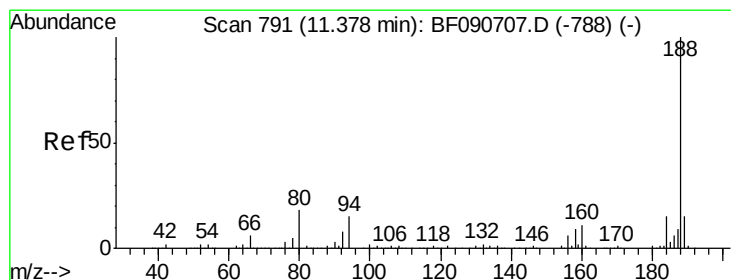
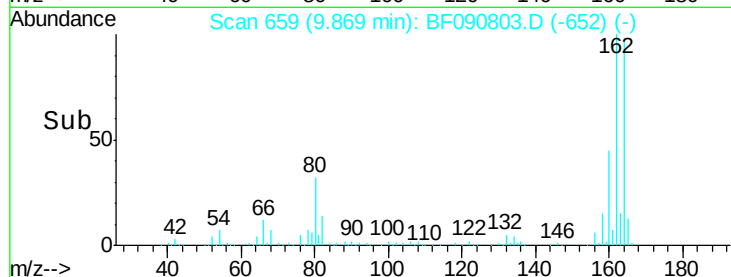
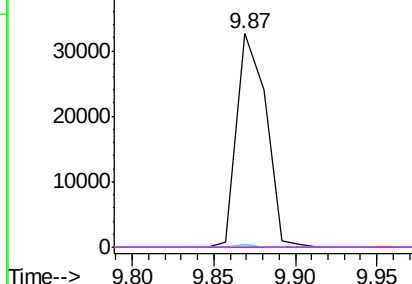


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

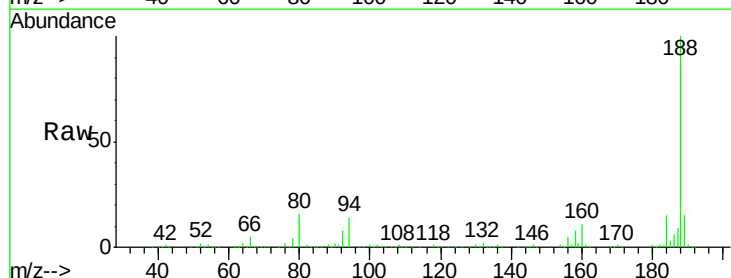
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF090803.D
 Acq: 24 Oct 2016 22:24

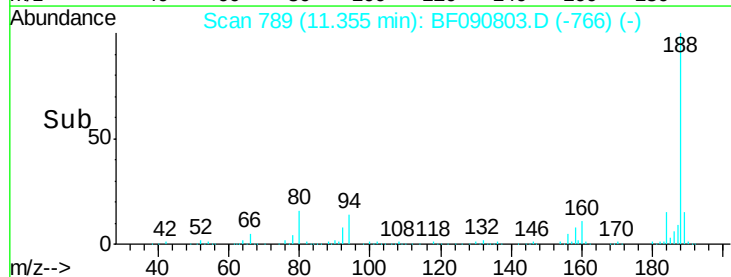
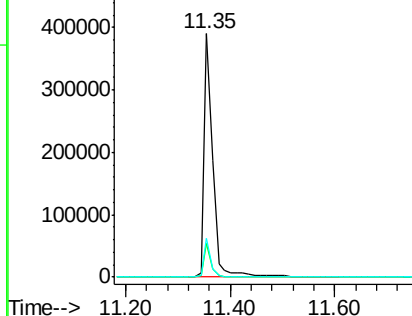
Tgt Ion:	188	Resp:	457531
Ion Ratio	Lower	Upper	
188	100		
94	13.8	11.1	16.7
80	16.1	11.0	16.4

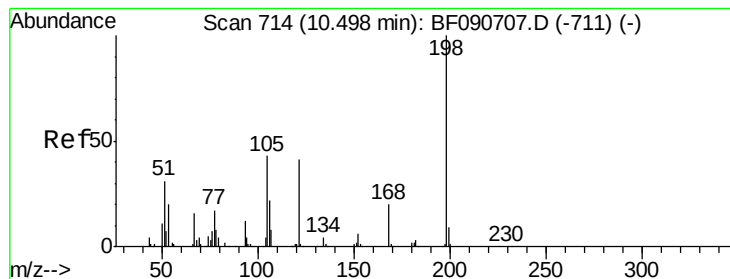


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.43 ng

RT: 10.67 min Scan# 729

Delta R.T. 0.17 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

Instrument :

BNA_F

ClientSampleId :

END-EAST-DIESEL

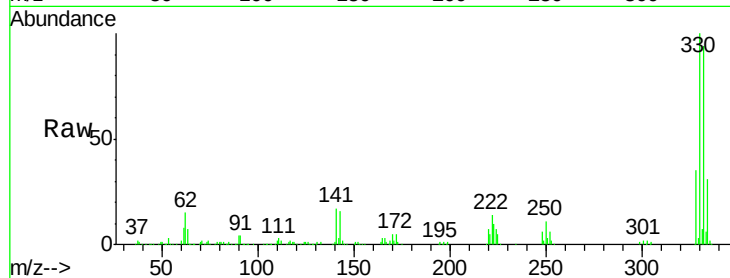
Tgt Ion:198 Resp: 811

Ion Ratio Lower Upper

198 100

51 88.3 39.6 79.6#

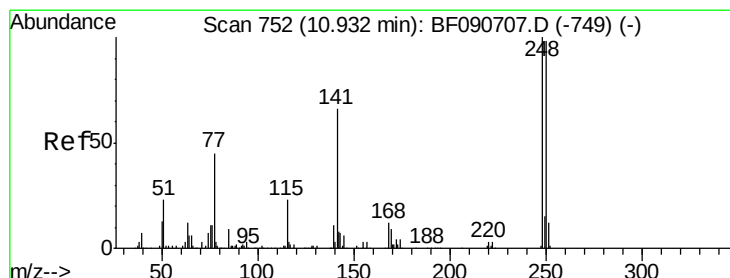
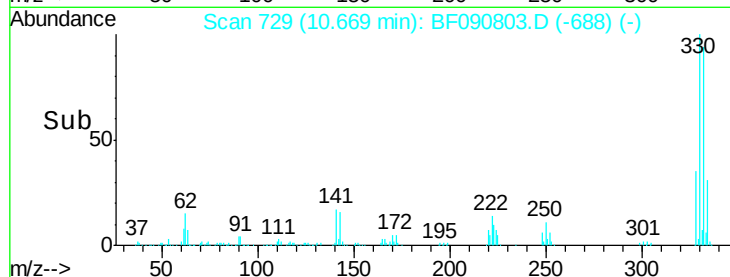
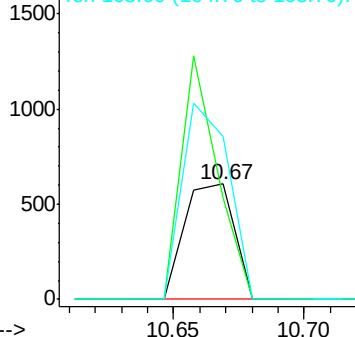
105 141.2 28.5 68.5#



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: 6.39 ng

RT: 10.67 min Scan# 729

Delta R.T. -0.26 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

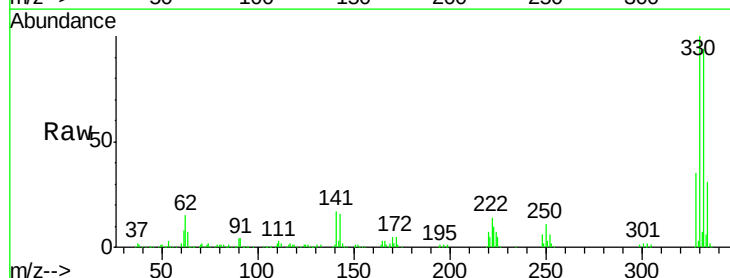
Tgt Ion:248 Resp: 28348

Ion Ratio Lower Upper

248 100

250 202.4 78.5 117.7#

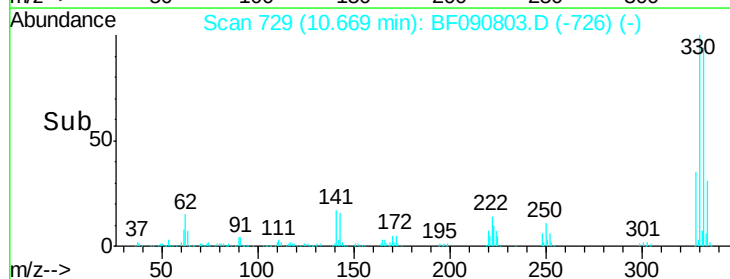
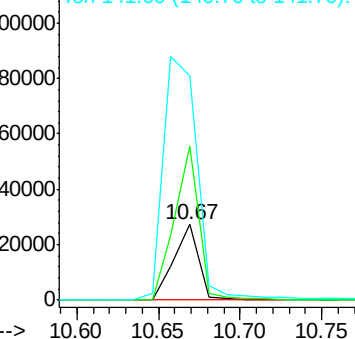
141 295.1 59.0 88.6#

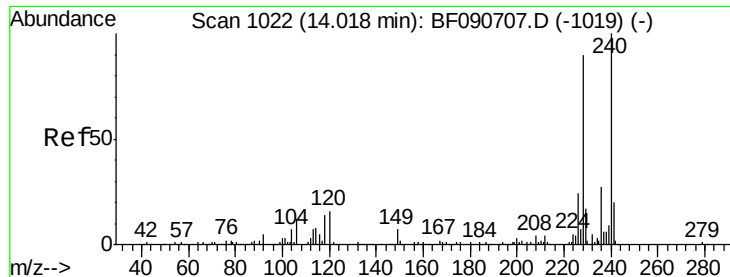


Abundance Ion 248.00 (247.70 to 248.70): E

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# 1020

Delta R.T. -0.02 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

Instrument :

BNA_F

ClientSampleId :

END-EAST-DIESEL

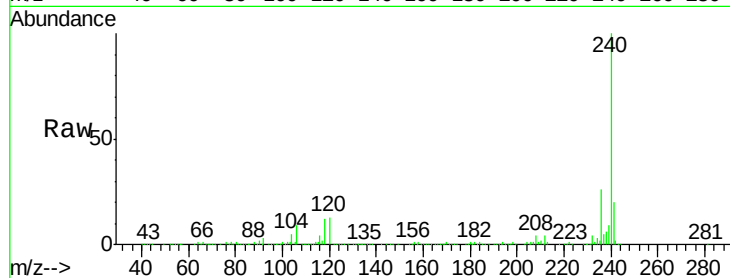
Tgt Ion:240 Resp: 343644

Ion Ratio Lower Upper

240 100

120 13.1 16.2 24.2#

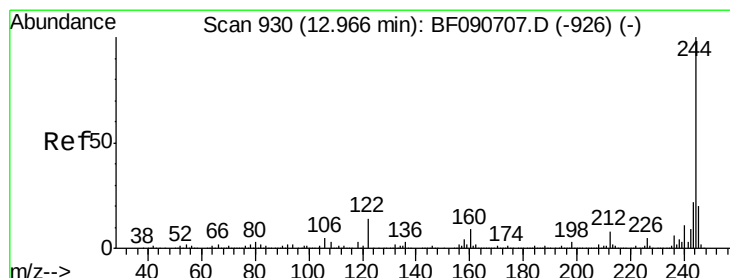
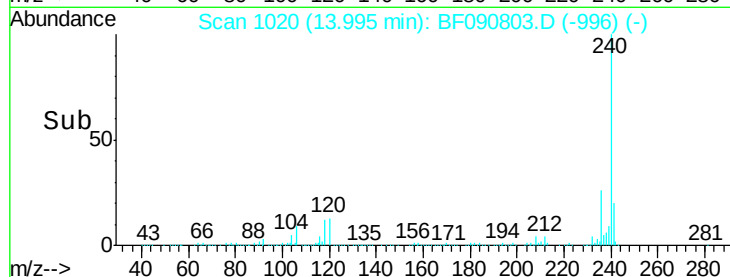
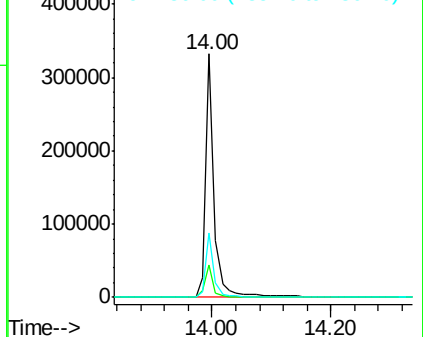
236 26.3 18.4 27.6



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: 88.35 ng

RT: 12.94 min Scan# 928

Delta R.T. -0.02 min

Lab File: BF090803.D

Acq: 24 Oct 2016 22:24

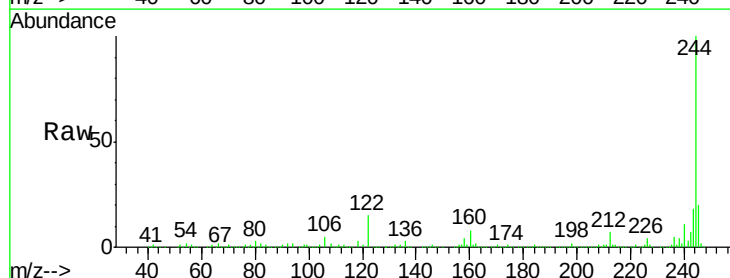
Tgt Ion:244 Resp: 1324692

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

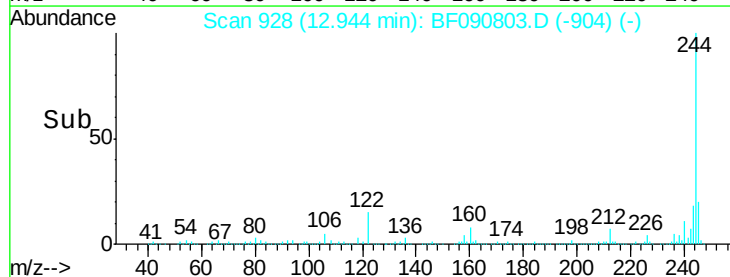
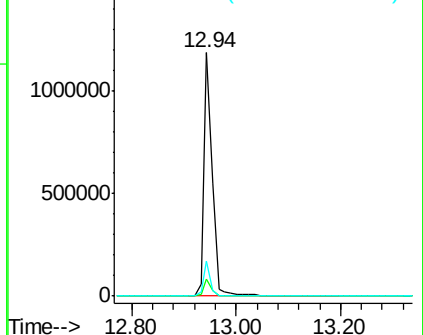
122 14.5 17.4 26.2#

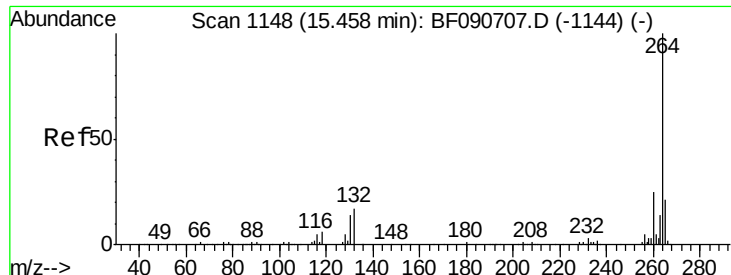


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

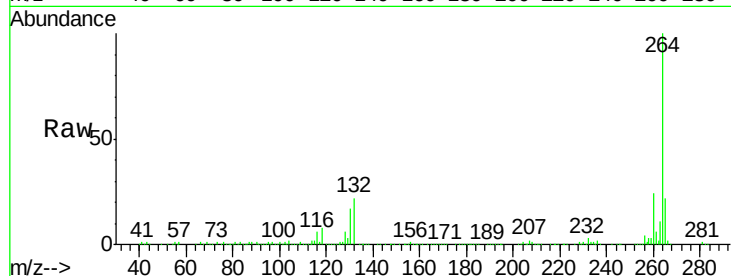




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF090803.D
Acq: 24 Oct 2016 22:24

Instrument :
BNA_F
ClientSampleId :
END-EAST-DIESEL

Tgt Ion: 264 Resp: 297630
Ion Ratio Lower Upper
264 100
260 24.5 16.7 25.1
265 21.8 17.2 25.8



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

