

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102416\
 Data File : BF090804.D
 Acq On : 24 Oct 2016 22:51
 Operator : UM/SJ
 Sample : H5393-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 END-WEST-DIESEL

Quant Time: Oct 25 01:00:16 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	175852	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	771728	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	353559	20.00	ng	-0.02
63) Phenanthrene-d10	11.35	188	503477	20.00	ng	-0.03
75) Chrysene-d12	14.00	240	353061	20.00	ng	-0.02
86) Perylene-d12	15.42	264	297143	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1638194	150.24	ng	-0.01
7) Phenol-d6	6.47	99	2240663	151.71	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1234390	87.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	478069	170.84	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	2099055	92.16	ng	-0.02
78) Terphenyl-d14	12.96	244	1532658	99.49	ng	-0.01

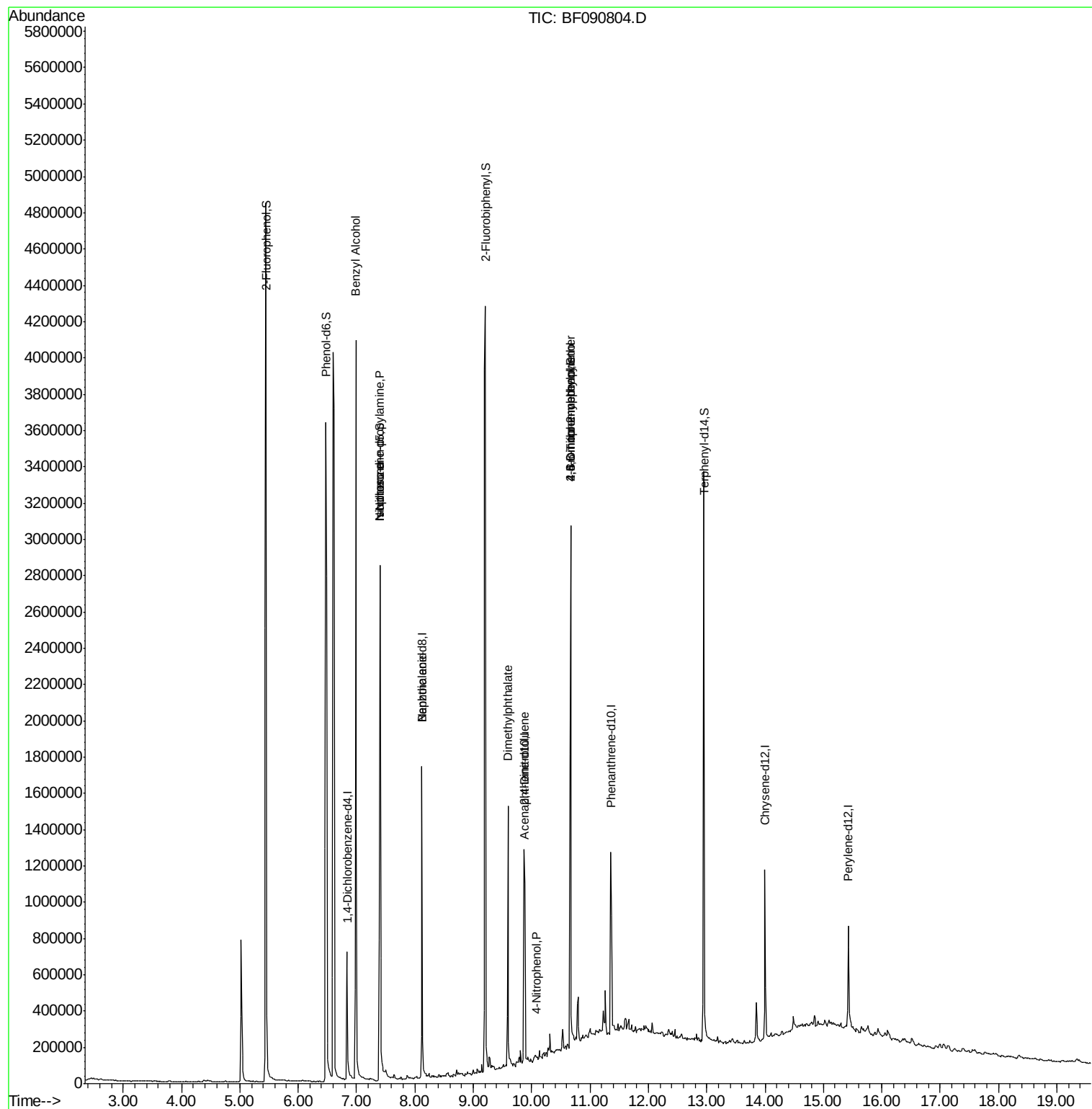
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.99	79	21361	2.13	ng	# 31
19) n-Nitroso-di-n-propylamine	7.40	70	165385	15.04	ng	# 53
25) Isophorone	7.40	82	978566	36.74	ng	# 59
32) Benzoic acid	8.12	122	215	7.57	ng	# 1
49) Dimethylphthalate	9.59	163	551216	24.81	ng	# 98
55) 4-Nitrophenol	10.09	139	481	6.07	ng	# 1
56) 2,4-Dinitrotoluene	9.87	165	46225	7.92	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.67	198	986	4.46	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	31323	6.42	ng	# 1

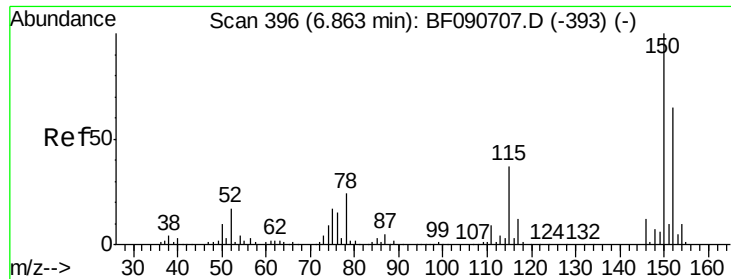
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF090804.D

Acq: 24 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

END-WEST-DIESEL

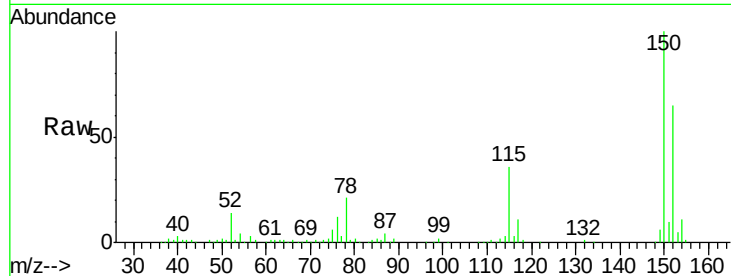
Tgt Ion:152 Resp: 175852

Ion Ratio Lower Upper

152 100

150 153.8 124.7 187.1

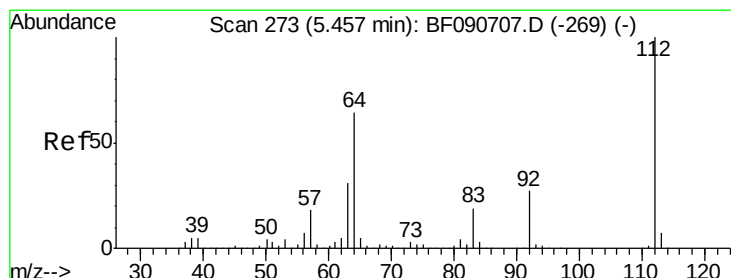
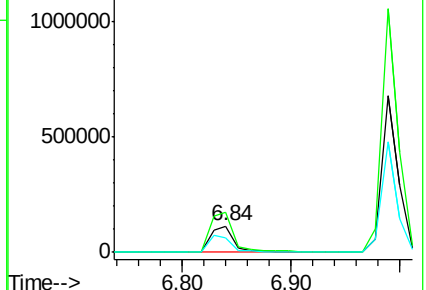
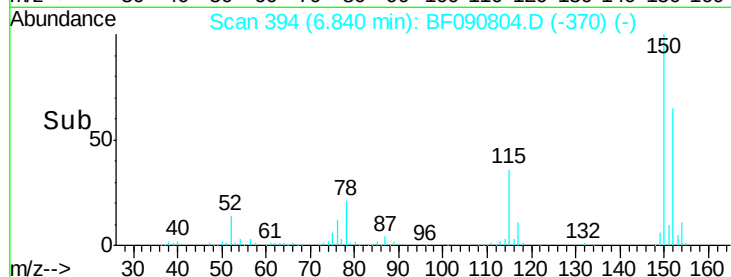
115 55.0 39.0 58.4



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: 150.24 ng

RT: 5.45 min Scan# 272

Delta R.T. -0.01 min

Lab File: BF090804.D

Acq: 24 Oct 2016 22:51

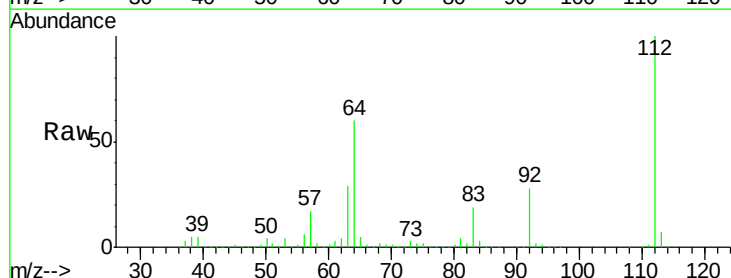
Tgt Ion:112 Resp: 1638194

Ion Ratio Lower Upper

112 100

64 60.1 39.7 59.5#

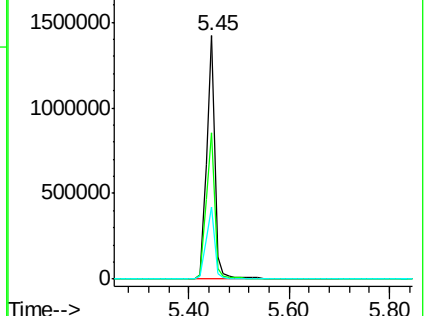
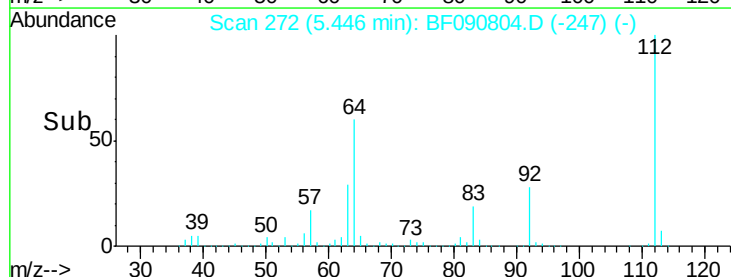
63 29.5 17.4 26.0#

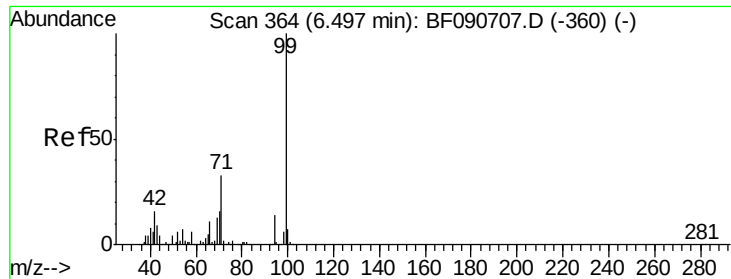


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 151.71 ng

RT: 6.47 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF090804.D

Acq: 24 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

END-WEST-DIESEL

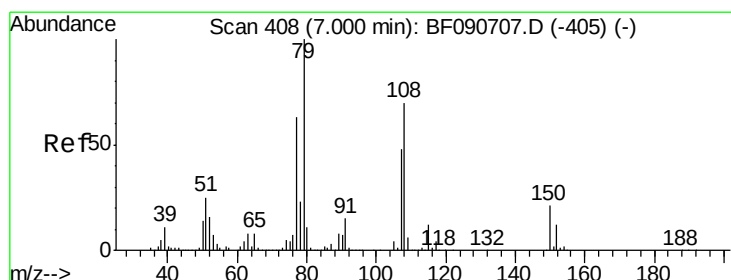
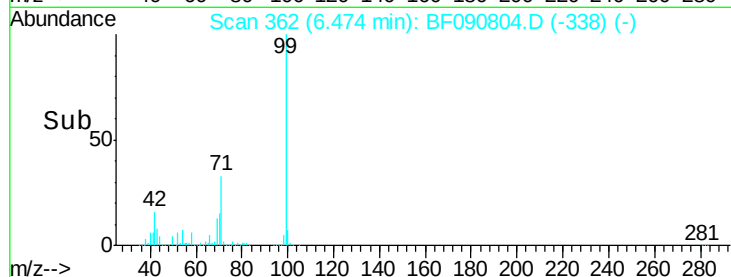
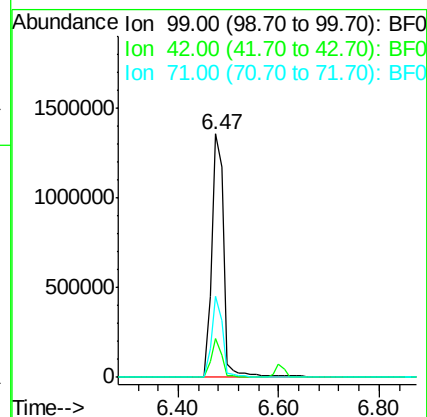
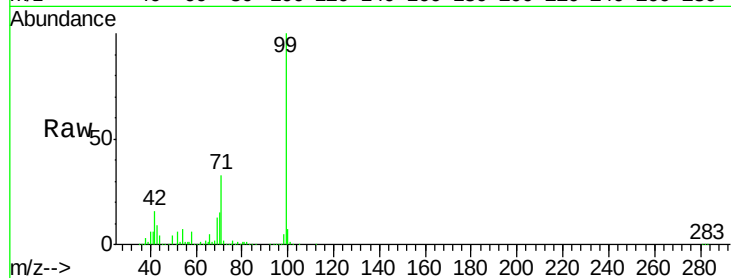
Tgt Ion: 99 Resp: 2240663

Ion Ratio Lower Upper

99 100

42 16.1 13.7 20.5

71 33.1 14.2 21.2#



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.99 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090804.D

Acq: 24 Oct 2016 22:51

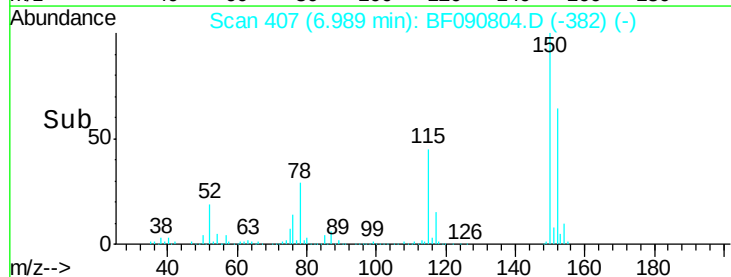
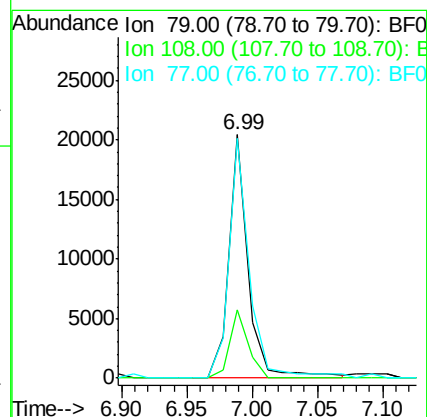
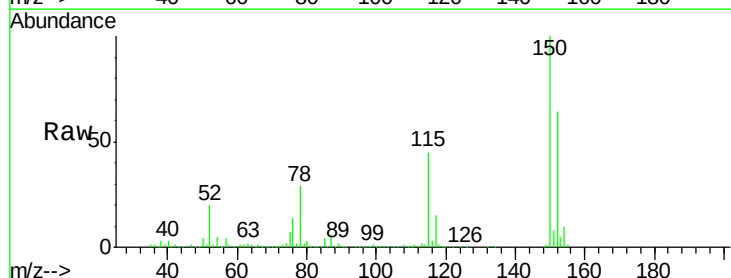
Tgt Ion: 79 Resp: 21361

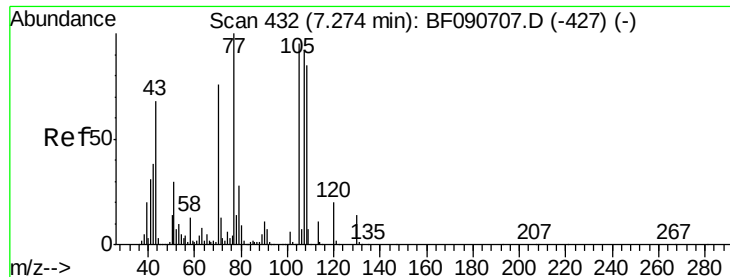
Ion Ratio Lower Upper

79 100

108 28.0 88.6 132.8#

77 98.5 47.0 70.4#

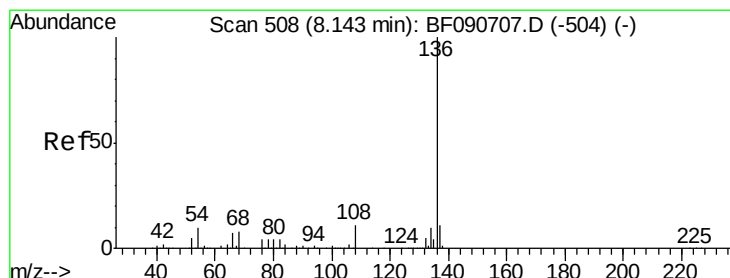
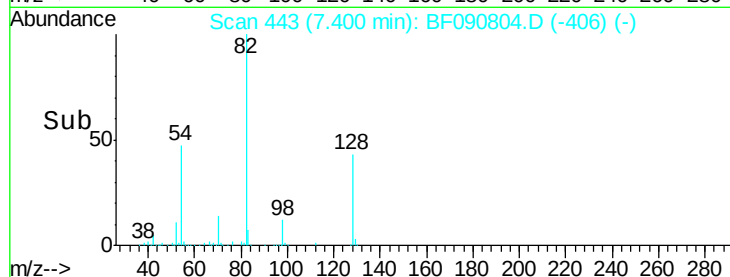
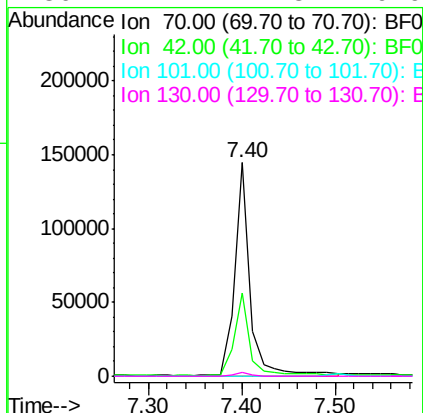
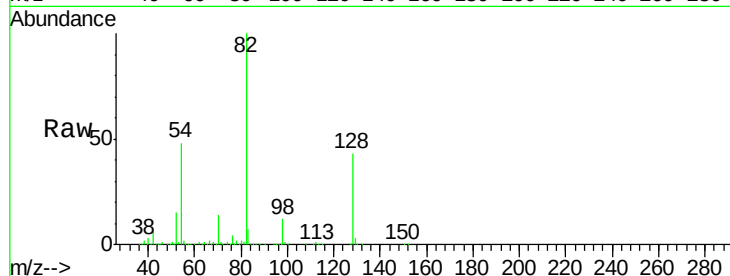




#19
n-Nitroso-di-n-propylamine
Concen: 15.04 ng
RT: 7.40 min Scan# 443
Delta R.T. 0.13 min
Lab File: BF090804.D
Acq: 24 Oct 2016 22:51

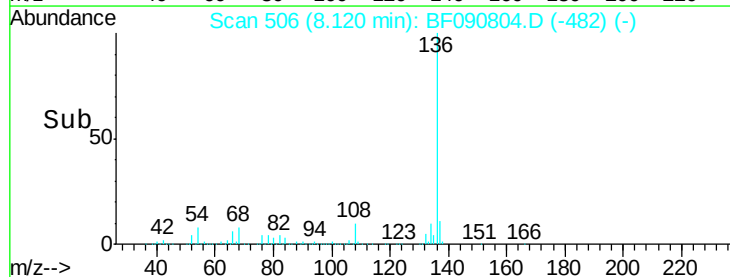
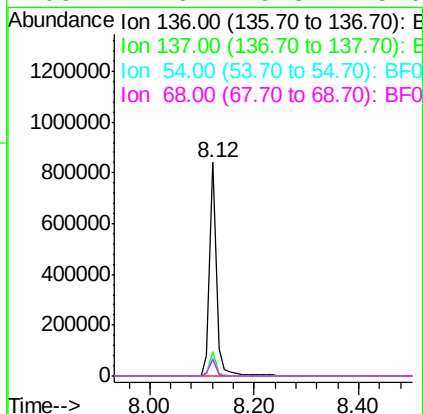
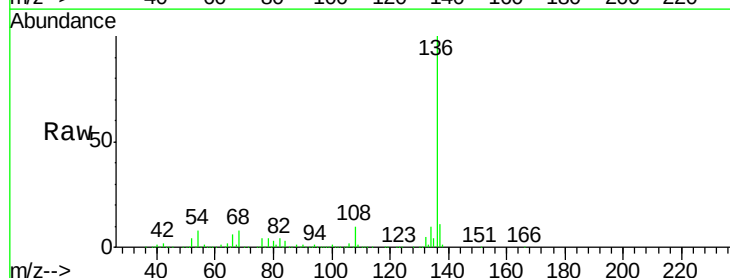
Instrument :
BNA_F
ClientSampleId :
END-WEST-DIESEL

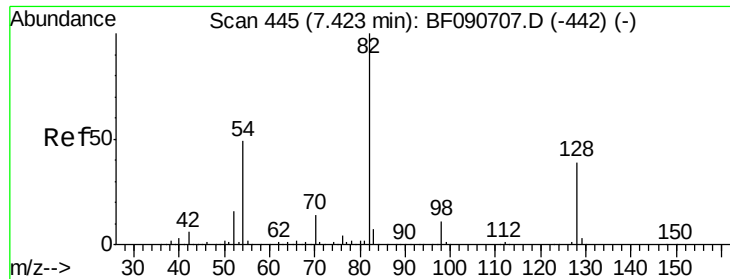
Tgt Ion: 70 Resp: 165385
Ion Ratio Lower Upper
70 100
42 39.0 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 506
Delta R.T. -0.02 min
Lab File: BF090804.D
Acq: 24 Oct 2016 22:51

Tgt Ion: 136 Resp: 771728
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 8.3 8.2 12.2
68 7.6 5.8 8.6

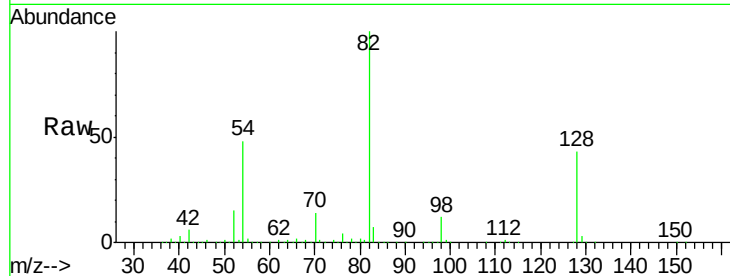




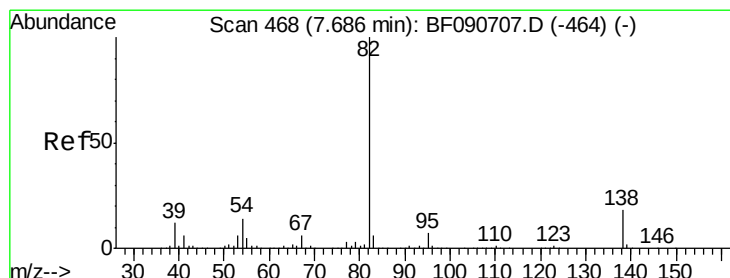
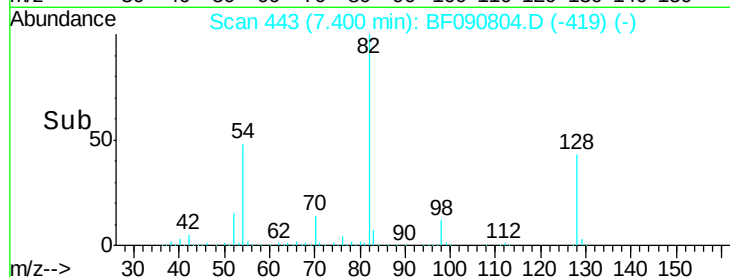
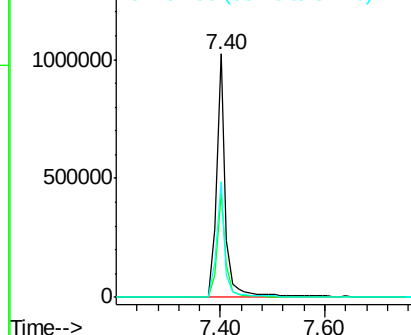
#23
 Nitrobenzene-d5
 Concen: 87.73 ng
 RT: 7.40 min Scan# 443
 Delta R.T. -0.02 min
 Lab File: BF090804.D
 Acq: 24 Oct 2016 22:51

Instrument :
 BNA_F
 ClientSampleId :
 END-WEST-DIESEL

Tgt Ion: 82 Resp: 1234390
 Ion Ratio Lower Upper
 82 100
 128 42.5 51.0 76.6#
 54 47.6 47.5 71.3

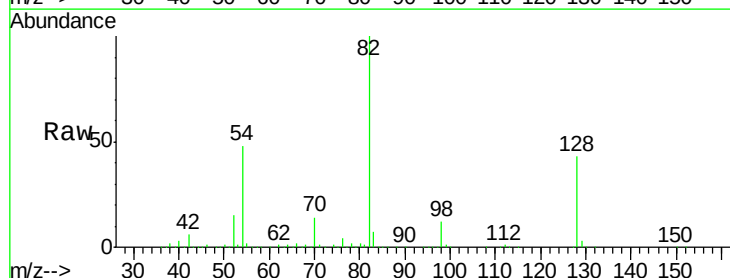


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

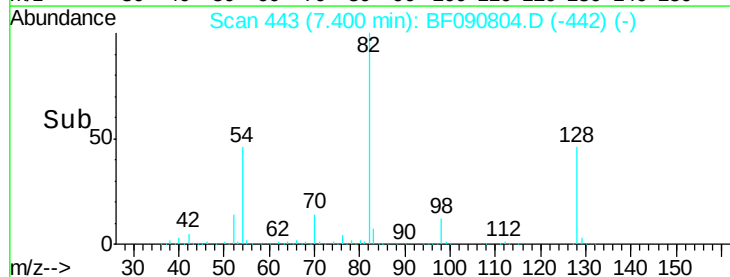
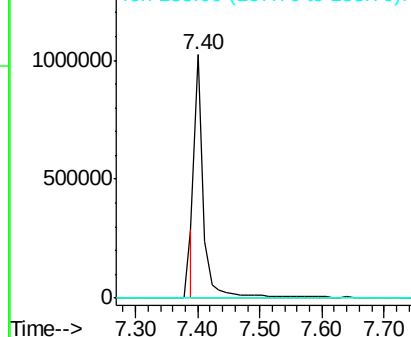


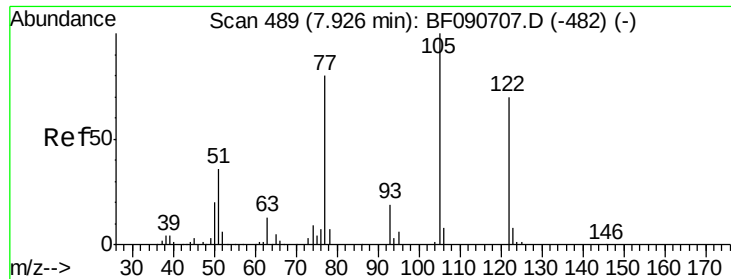
#25
 Isophorone
 Concen: 36.74 ng
 RT: 7.40 min Scan# 443
 Delta R.T. -0.29 min
 Lab File: BF090804.D
 Acq: 24 Oct 2016 22:51

Tgt Ion: 82 Resp: 978566
 Ion Ratio Lower Upper
 82 100
 95 0.1 4.0 6.0#
 138 0.0 18.3 27.5#



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

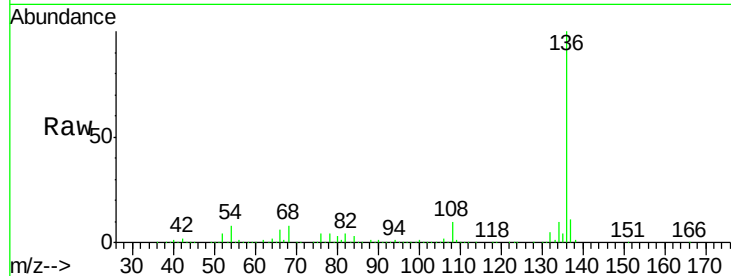




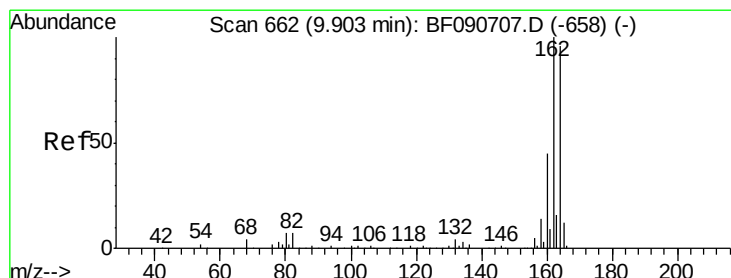
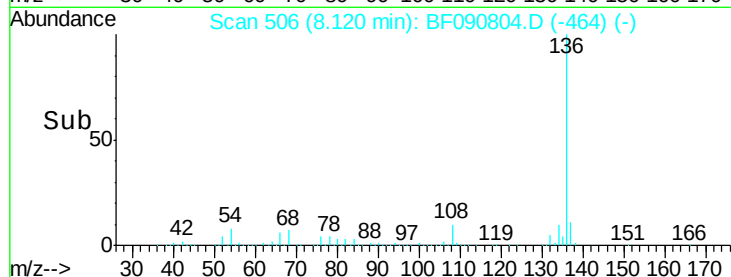
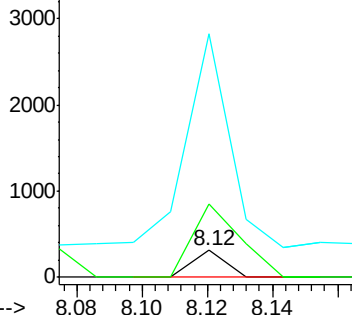
#32
Benzoic acid
Concen: 7.57 ng
RT: 8.12 min Scan# 506
Delta R.T. 0.18 min
Lab File: BF090804.D
Acq: 24 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
END-WEST-DIESEL

Tgt Ion:122 Resp: 215
Ion Ratio Lower Upper
122 100
105 271.3 76.1 116.1#
77 899.0 40.5 80.5#

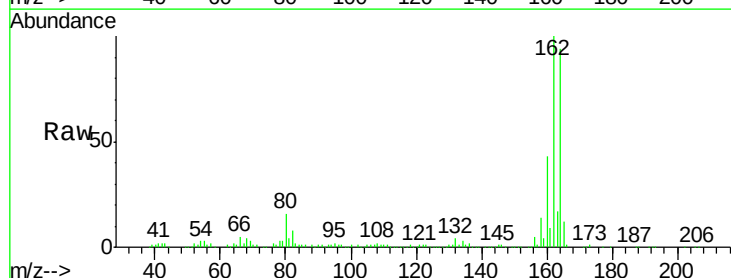


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

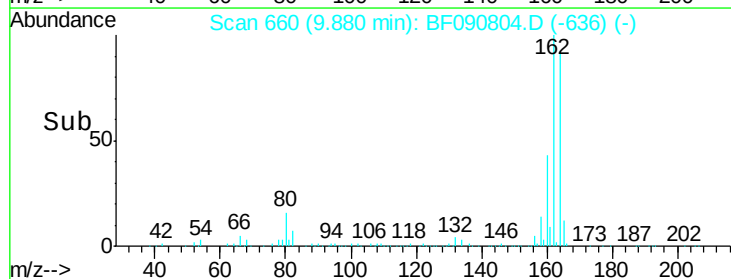
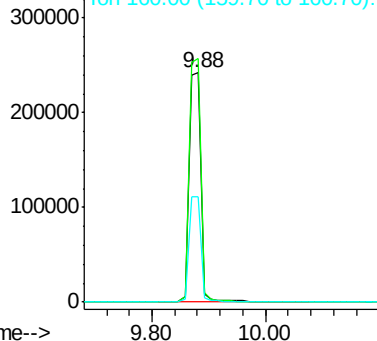


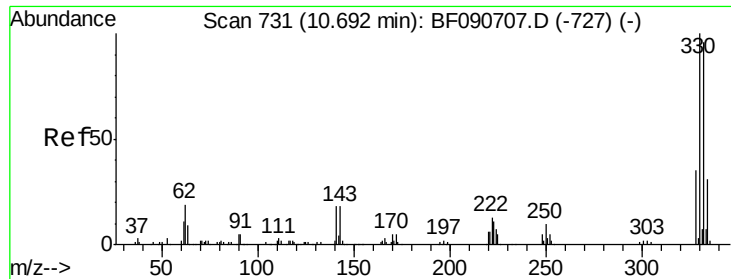
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF090804.D
Acq: 24 Oct 2016 22:51

Tgt Ion:164 Resp: 353559
Ion Ratio Lower Upper
164 100
162 106.4 75.2 112.8
160 46.2 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

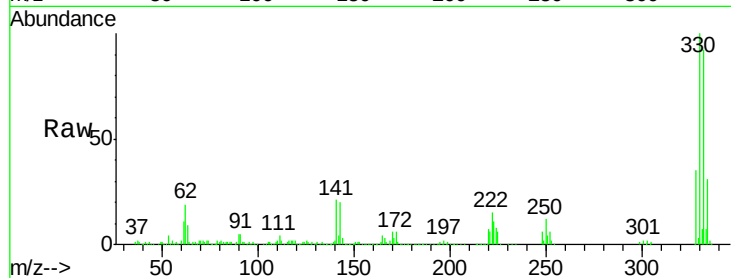




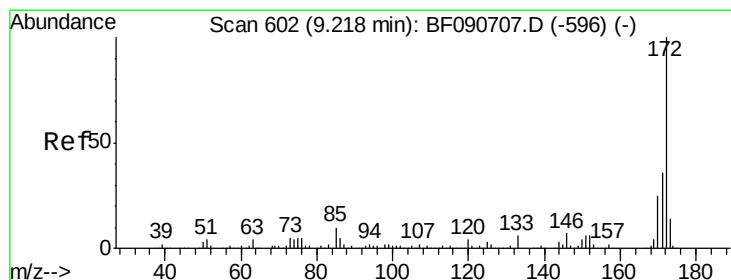
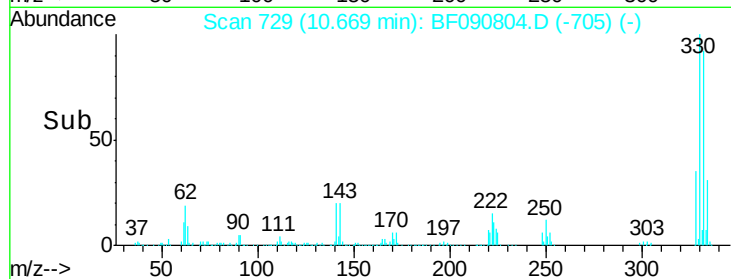
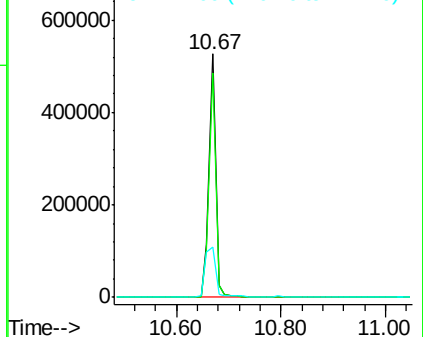
#41
 2,4,6-Tribromophenol
 Concen: 170.84 ng
 RT: 10.67 min Scan# 729
 Delta R.T. -0.02 min
 Lab File: BF090804.D
 Acq: 24 Oct 2016 22:51

Instrument :
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 END-WEST-DIESEL

Tgt Ion:330 Resp: 478069
 Ion Ratio Lower Upper
 330 100
 332 92.2 76.6 114.8
 141 32.0 29.7 44.5

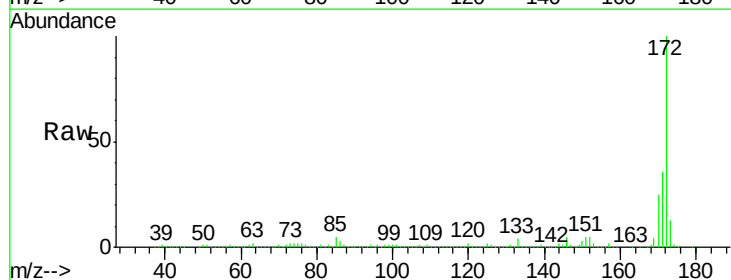


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

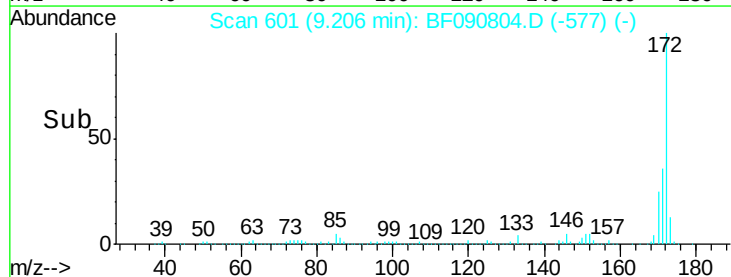
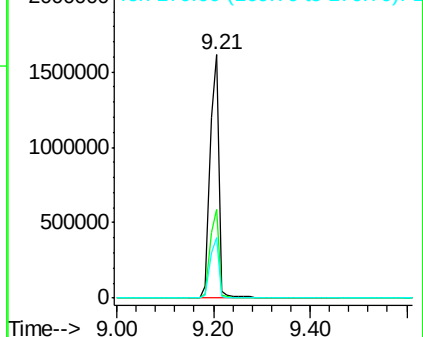


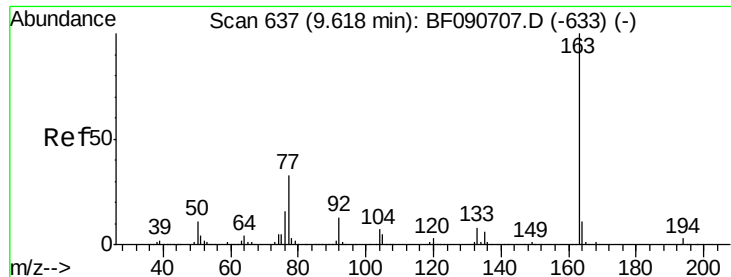
#44
 2-Fluorobiphenyl
 Concen: 92.16 ng
 RT: 9.21 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF090804.D
 Acq: 24 Oct 2016 22:51

Tgt Ion:172 Resp: 2099055
 Ion Ratio Lower Upper
 172 100
 171 36.4 26.1 39.1
 170 24.7 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: 24.81 ng

RT: 9.59 min Scan# 635

Delta R.T. -0.03 min

Lab File: BF090804.D

Acq: 24 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

END-WEST-DIESEL

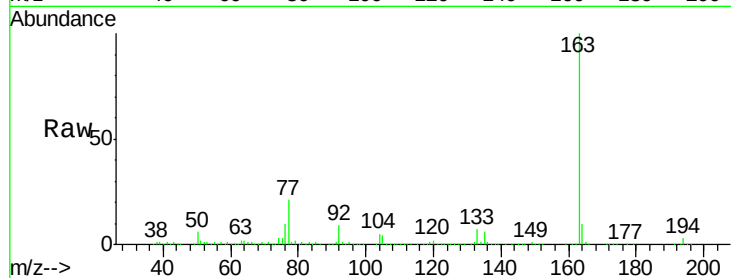
Tgt Ion:163 Resp: 551216

Ion Ratio Lower Upper

163 100

194 3.4 4.4 6.6#

164 10.5 8.3 12.5

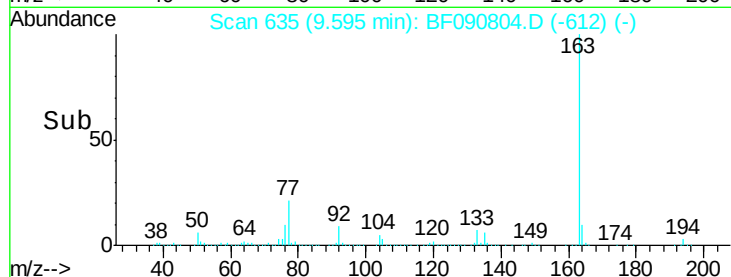


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

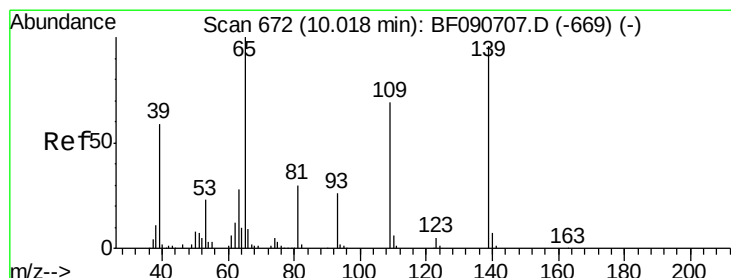
Ion 164.00 (163.70 to 164.70): E

Time-->



Abundance

Time-->



#55

4-Nitrophenol

Concen: 6.07 ng

RT: 10.09 min Scan# 678

Delta R.T. 0.07 min

Lab File: BF090804.D

Acq: 24 Oct 2016 22:51

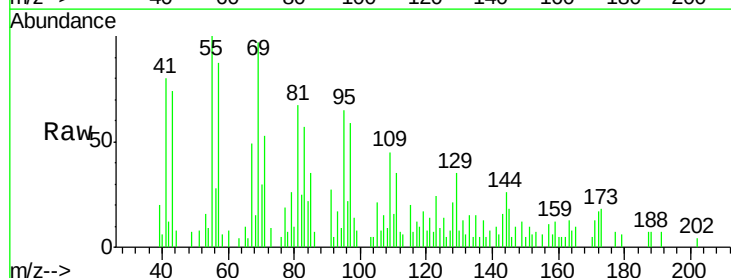
Tgt Ion:139 Resp: 481

Ion Ratio Lower Upper

139 100

109 565.7 12.7 52.7#

65 126.6 45.9 85.9#

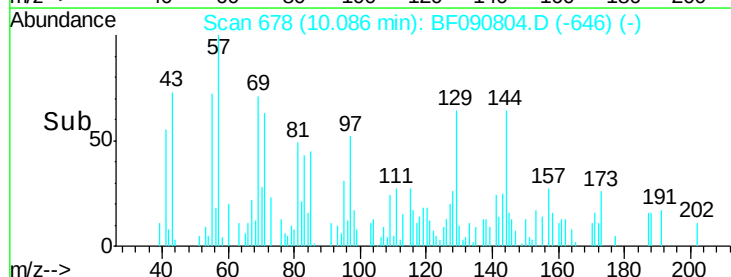


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

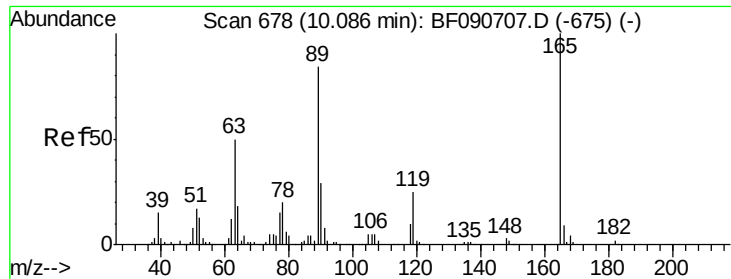
Ion 65.00 (64.70 to 65.70): BF0

Time-->



Abundance

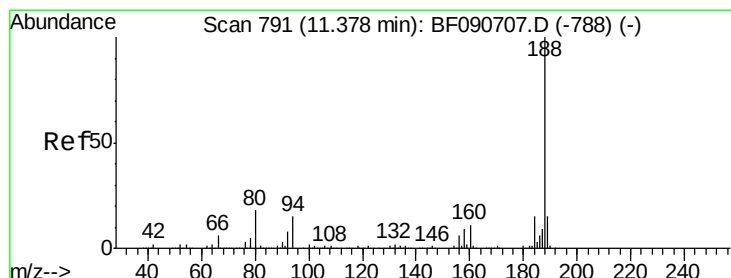
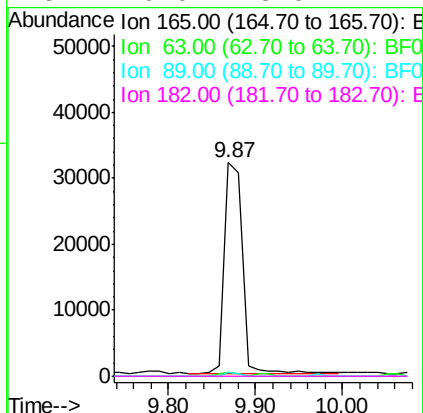
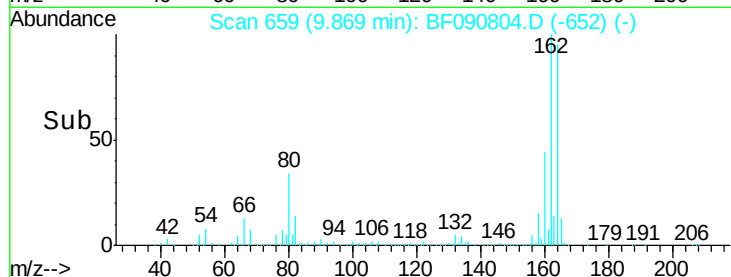
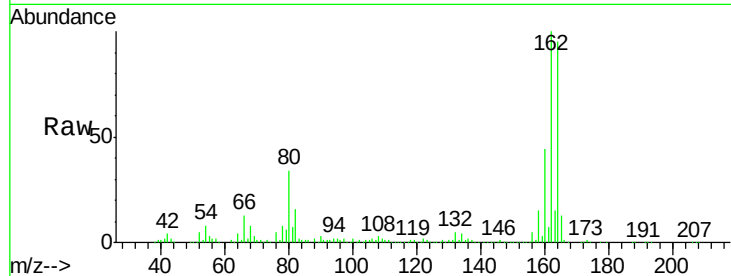
Time-->



#56
 2,4-Dinitrotoluene
 Concen: 7.92 ng
 RT: 9.87 min Scan# 659
 Delta R.T. -0.22 min
 Lab File: BF090804.D
 Acq: 24 Oct 2016 22:51

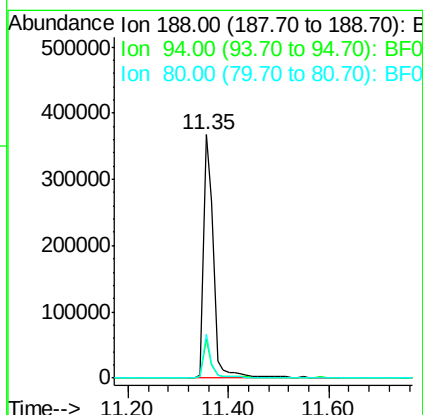
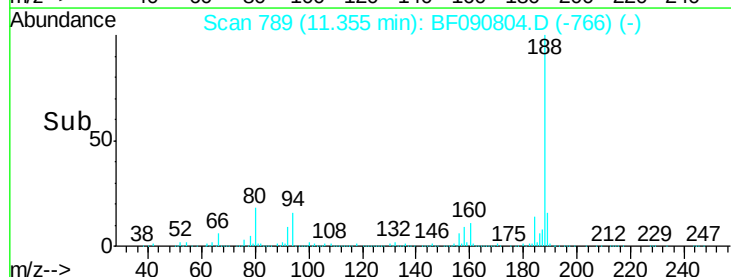
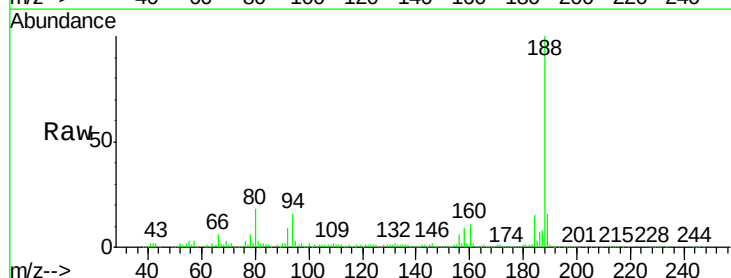
Instrument :
 BNA_F
 ClientSampleId :
 END-WEST-DIESEL

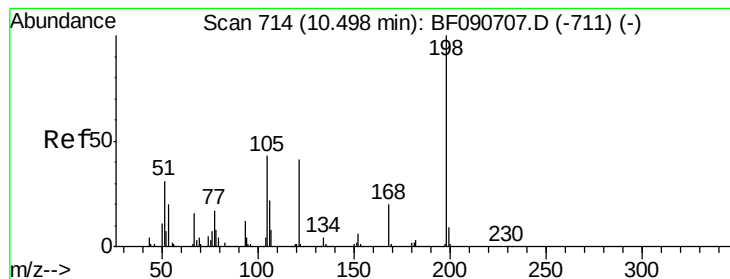
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	29.8	44.6#
89	1.7	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF090804.D
 Acq: 24 Oct 2016 22:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	16.0	11.1	16.7
80	18.2	11.0	16.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 4.46 ng

RT: 10.67 min Scan# 729

Delta R.T. 0.17 min

Lab File: BF090804.D

Acq: 24 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

END-WEST-DIESEL

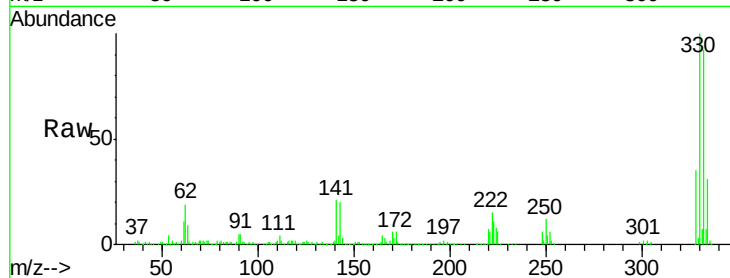
Tgt Ion:198 Resp: 986

Ion Ratio Lower Upper

198 100

51 138.7 39.6 79.6#

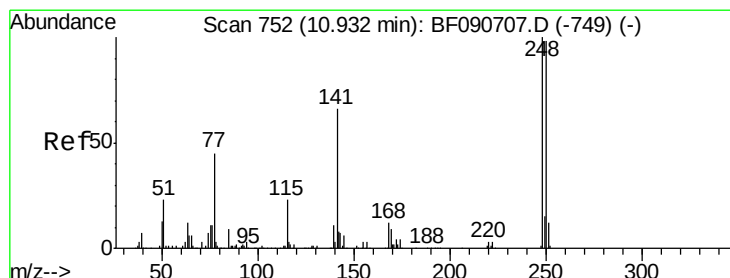
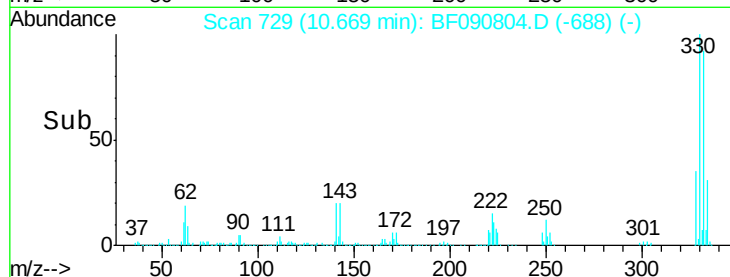
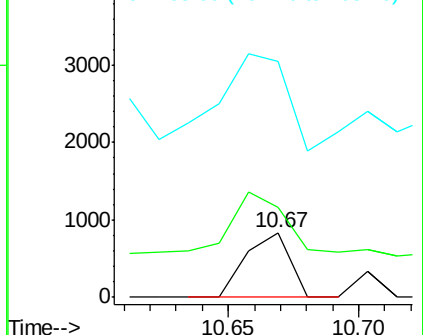
105 363.2 28.5 68.5#



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: 6.42 ng

RT: 10.67 min Scan# 729

Delta R.T. -0.26 min

Lab File: BF090804.D

Acq: 24 Oct 2016 22:51

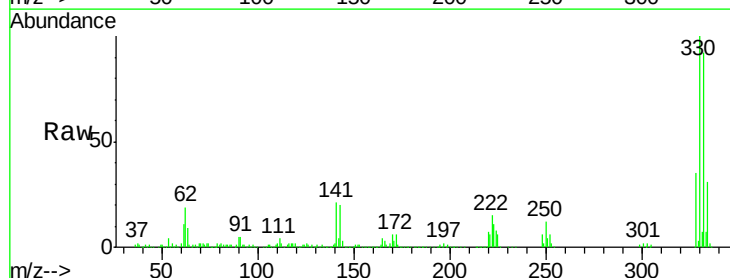
Tgt Ion:248 Resp: 31323

Ion Ratio Lower Upper

248 100

250 201.4 78.5 117.7#

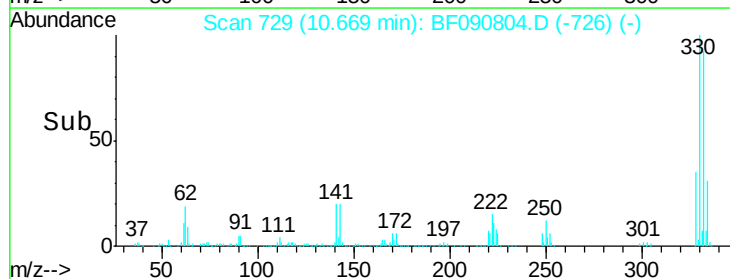
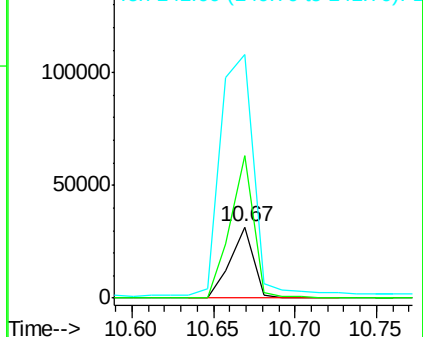
141 343.5 59.0 88.6#

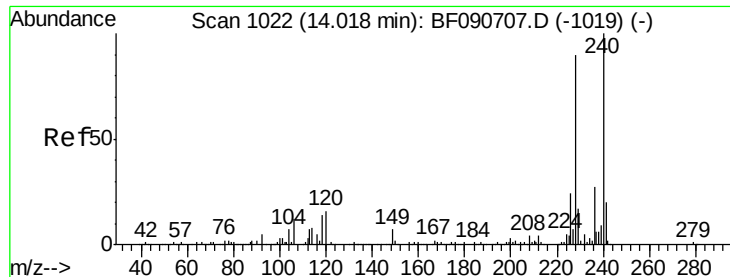


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF090804.D

Acq: 24 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

END-WEST-DIESEL

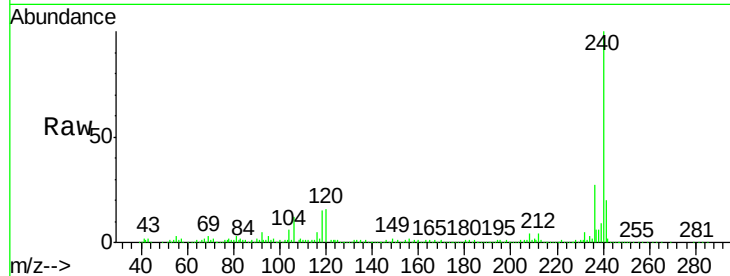
Tgt Ion:240 Resp: 353061

Ion Ratio Lower Upper

240 100

120 16.4 16.2 24.2

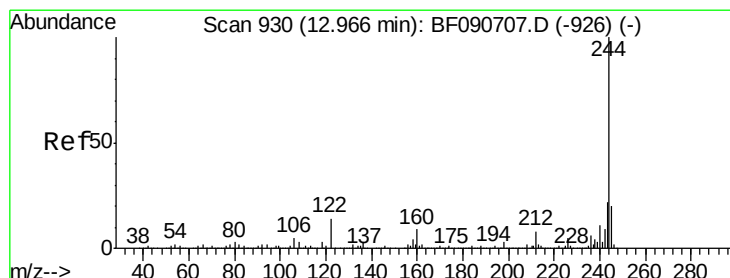
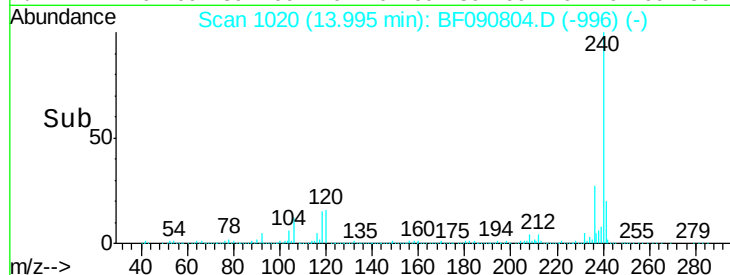
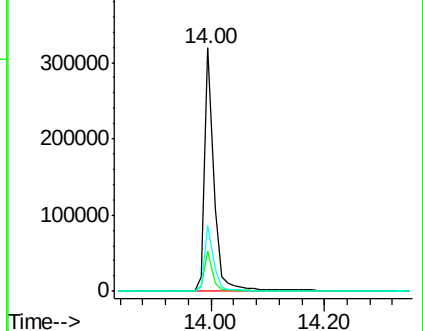
236 26.9 18.4 27.6



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: 99.49 ng

RT: 12.96 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF090804.D

Acq: 24 Oct 2016 22:51

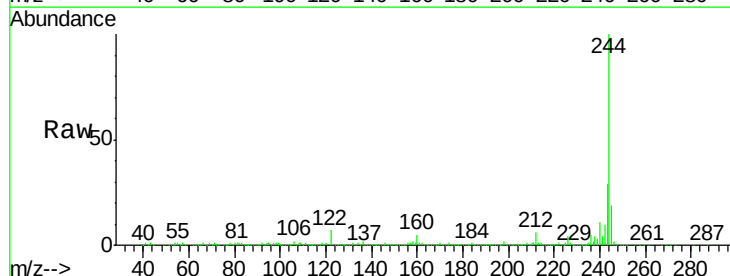
Tgt Ion:244 Resp: 1532658

Ion Ratio Lower Upper

244 100

212 6.3 4.3 6.5

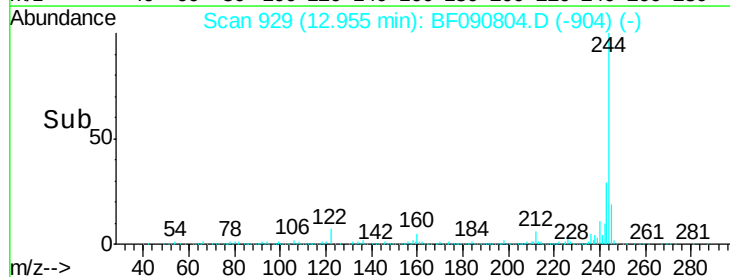
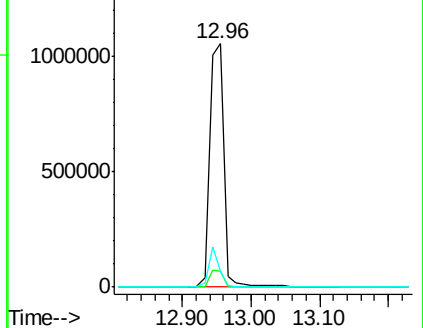
122 6.7 17.4 26.2#

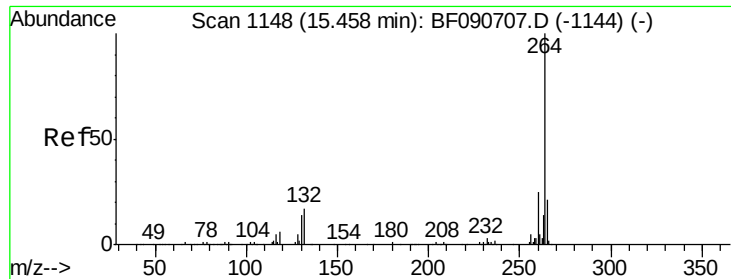


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

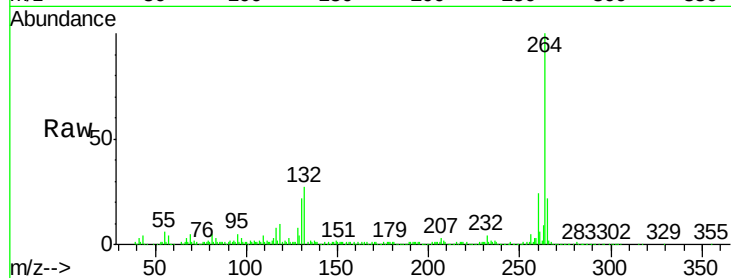




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF090804.D
Acq: 24 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
END-WEST-DIESEL

Tgt Ion: 264 Resp: 297143
Ion Ratio Lower Upper
264 100
260 24.4 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

