

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102416\
 Data File : BF090801.D
 Acq On : 24 Oct 2016 21:30
 Operator : UM/SJ
 Sample : H5393-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-WEST-DIESEL

Quant Time: Oct 25 00:59:34 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

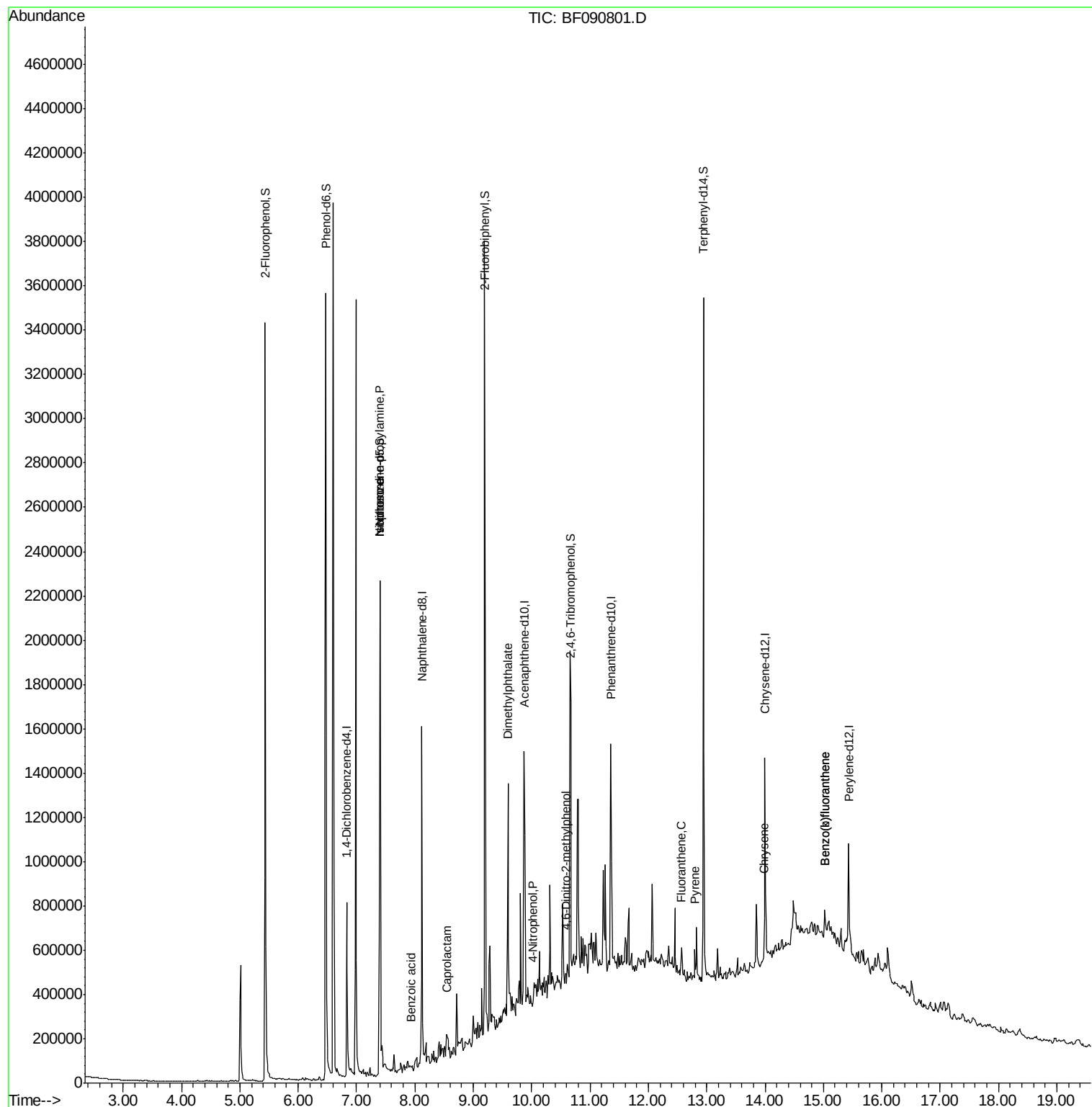
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	172621	20.00	ng	-0.03
21) Naphthalene-d8	8.12	136	715136	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	318986	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	465111	20.00	ng	-0.03
75) Chrysene-d12	14.00	240	364386	20.00	ng	-0.02
86) Perylene-d12	15.44	264	308131	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1120531	104.69	ng	-0.02
7) Phenol-d6	6.47	99	1562874	107.80	ng	-0.02
23) Nitrobenzene-d5	7.40	82	906973	69.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	326835	129.45	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	1466141	71.35	ng	-0.03
78) Terphenyl-d14	12.94	244	1121278	70.52	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	123215	11.41	ng	# 50
25) Isophorone	7.40	82	701422	28.42	ng	# 59
32) Benzoic acid	7.93	122	228	7.58	ng	# 1
35) Caprolactam	8.55	113	5843	2.43	ng	# 1
49) Dimethylphthalate	9.59	163	418092	20.86	ng	# 98
55) 4-Nitrophenol	10.02	139	710	6.15	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.59	198	207	4.24	ng	# 1
74) Fluoranthene	12.57	202	64293	2.80	ng	94
77) Pyrene	12.80	202	60870	2.39	ng	95
82) Chrysene	13.98	228	39082	2.01	ng	# 86
87) Benzo(b)fluoranthene	15.02	252	65158	3.44	ng	# 84
88) Benzo(k)fluoranthene	15.02	252	65158	3.42	ng	# 81

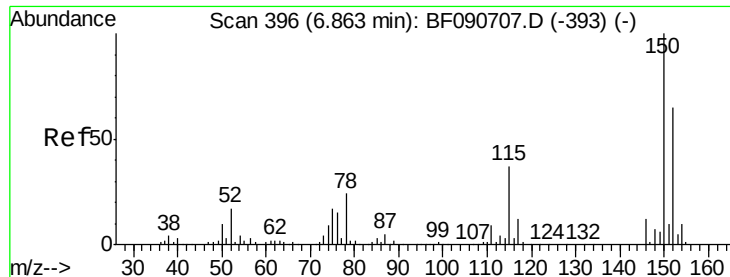
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 393

Delta R.T. -0.03 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

BNA_F

ClientSampleId :

BOTTOM-WEST-DIESEL

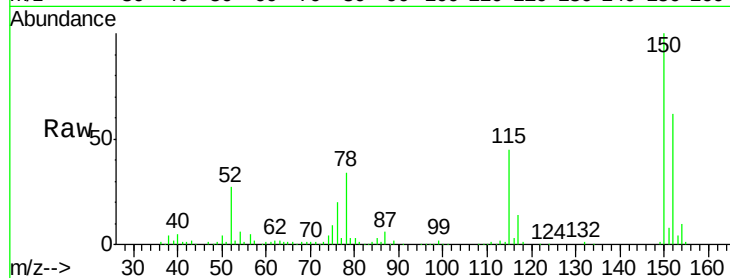
Tgt Ion:152 Resp: 172621

Ion Ratio Lower Upper

152 100

150 161.8 124.7 187.1

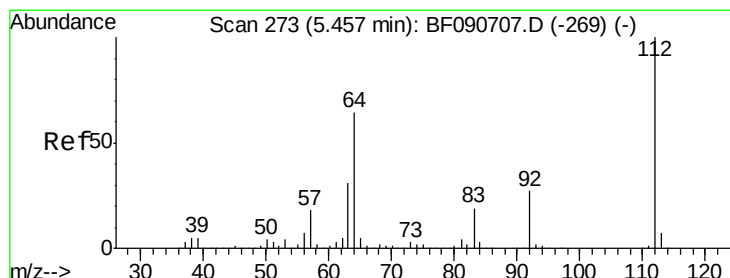
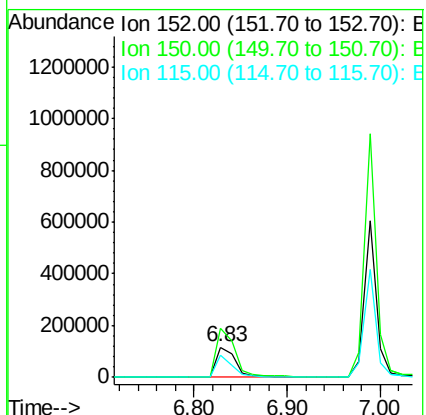
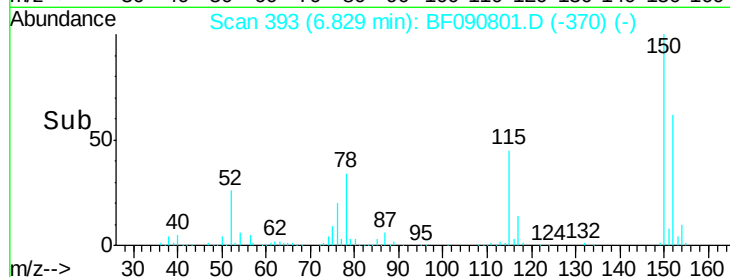
115 72.8 39.0 58.4#



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: 104.69 ng

RT: 5.43 min Scan# 271

Delta R.T. -0.02 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

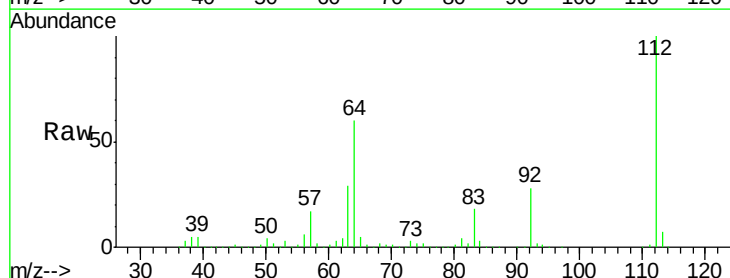
Tgt Ion:112 Resp: 1120531

Ion Ratio Lower Upper

112 100

64 59.7 39.7 59.5#

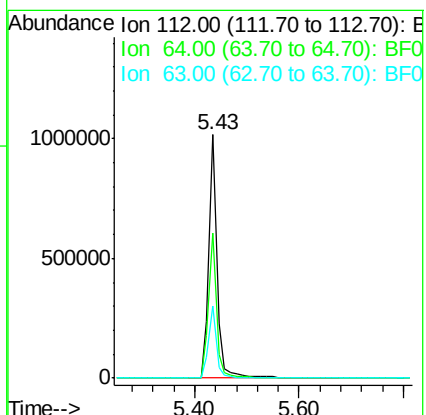
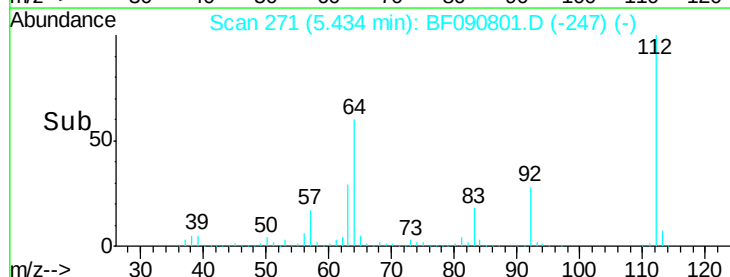
63 29.4 17.4 26.0#

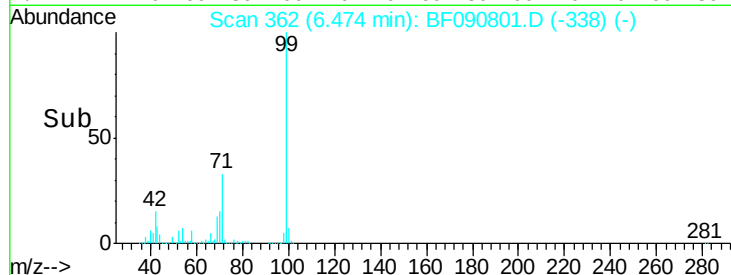
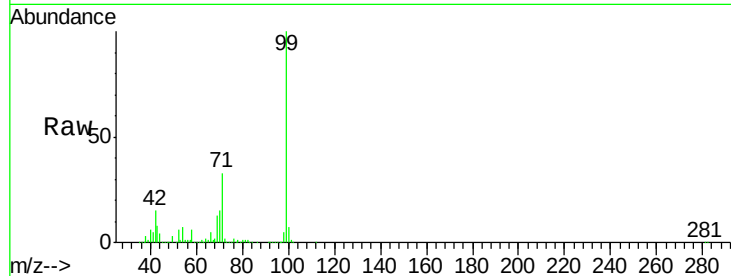
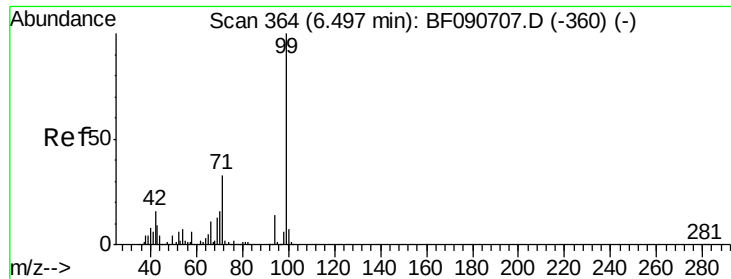


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.80 ng

RT: 6.47 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

BNA_F

ClientSampleId :

BOTTOM-WEST-DIESEL

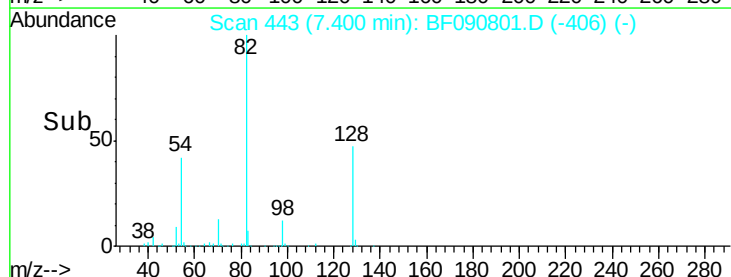
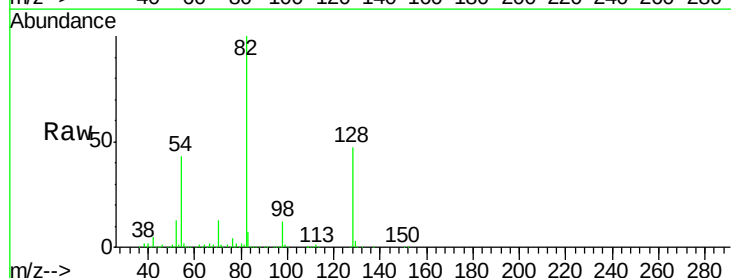
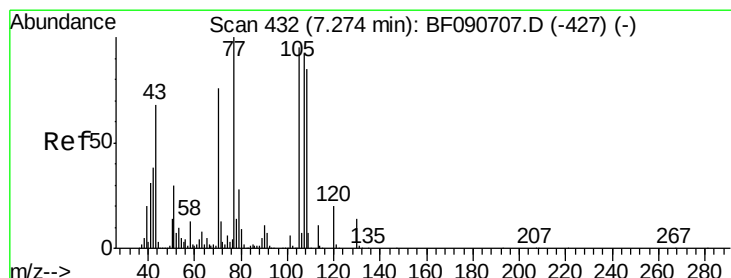
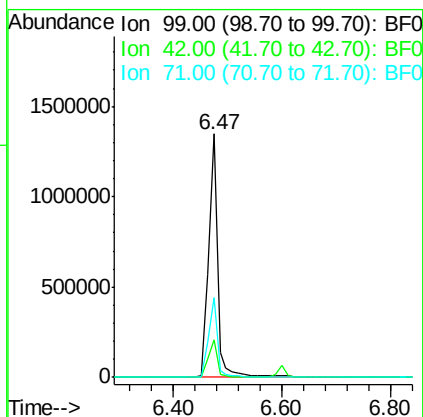
Tgt Ion: 99 Resp: 1562874

Ion Ratio Lower Upper

99 100

42 15.3 13.7 20.5

71 32.5 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.41 ng

RT: 7.40 min Scan# 443

Delta R.T. 0.13 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Tgt Ion: 70 Resp: 123215

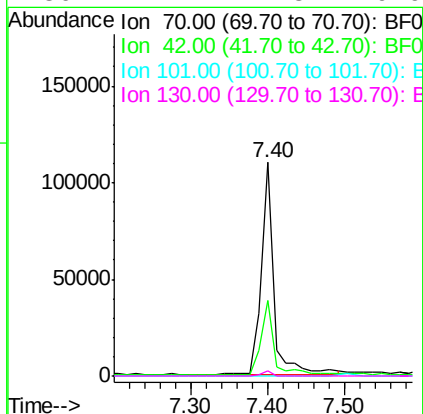
Ion Ratio Lower Upper

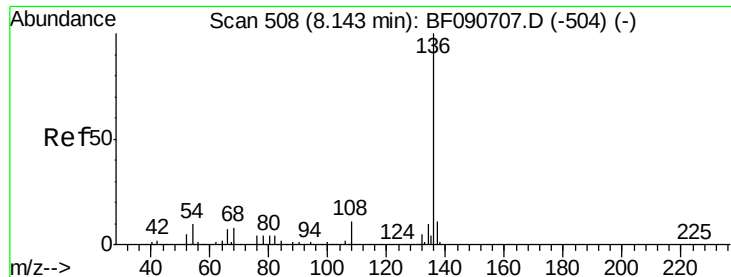
70 100

42 35.5 63.8 95.6#

101 0.0 9.2 13.8#

130 2.4 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: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

BNA_F

ClientSampleId :

BOTTOM-WEST-DIESEL

Tgt Ion: 136 Resp: 715136

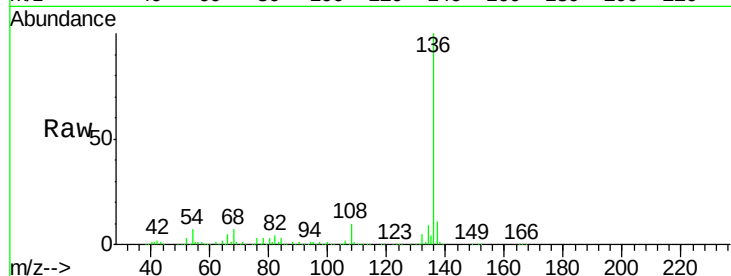
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 6.8 8.2 12.2#

68 6.6 5.8 8.6

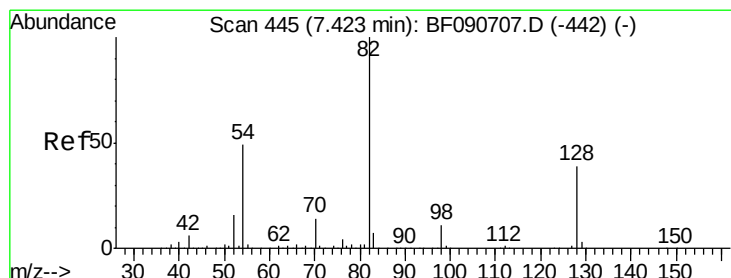
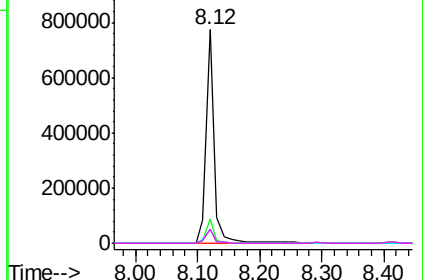
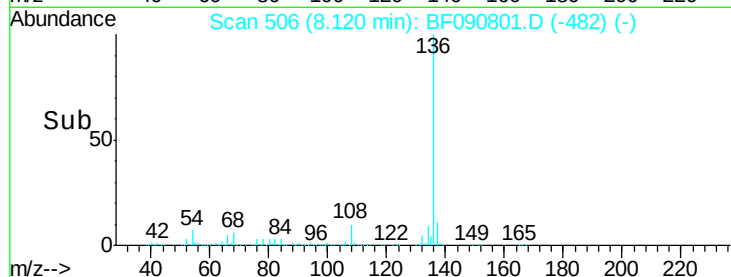


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.56 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

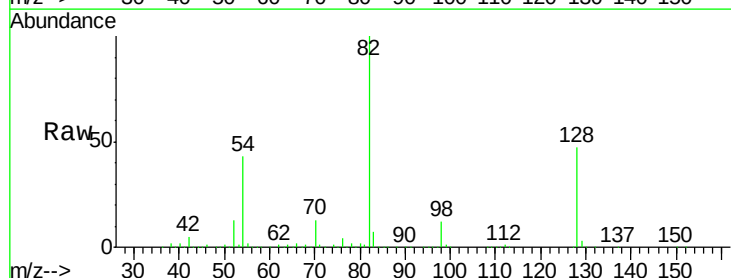
Tgt Ion: 82 Resp: 906973

Ion Ratio Lower Upper

82 100

128 47.1 51.0 76.6#

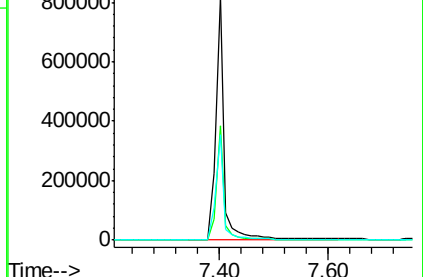
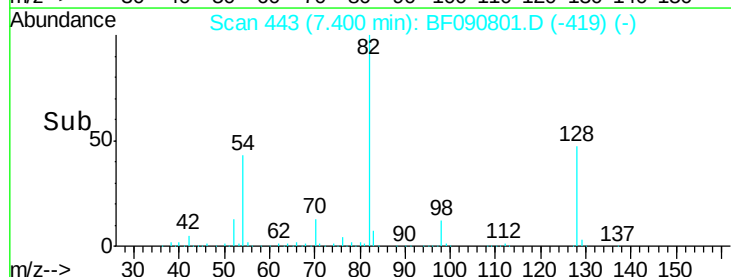
54 43.2 47.5 71.3#

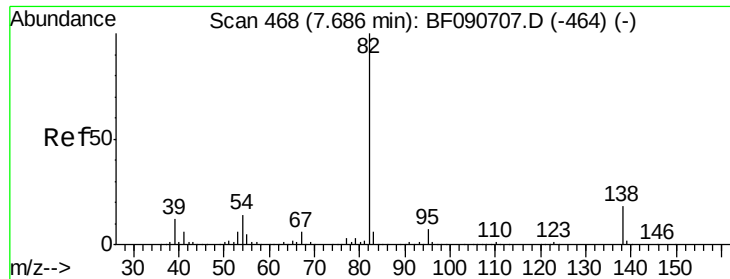


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.42 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.29 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

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BOTTOM-WEST-DIESEL

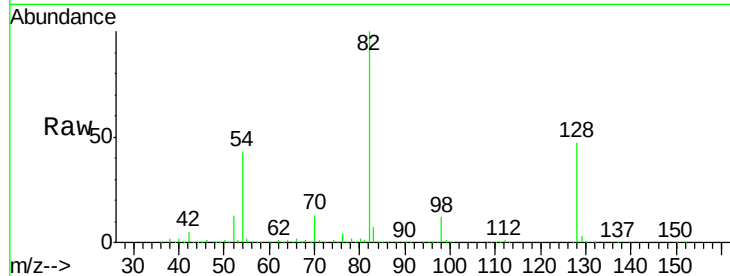
Tgt Ion: 82 Resp: 701422

Ion Ratio Lower Upper

82 100

95 0.2 4.0 6.0#

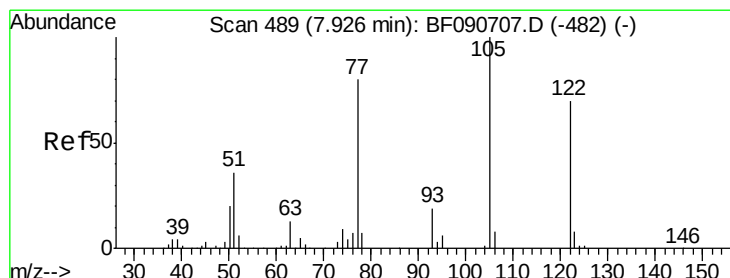
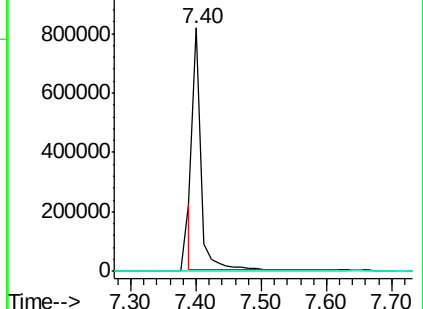
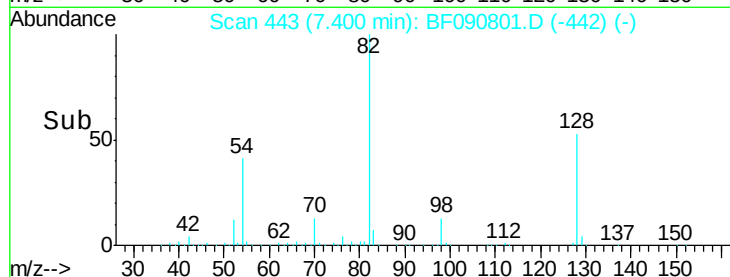
138 0.0 18.3 27.5#



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: 7.58 ng

RT: 7.93 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

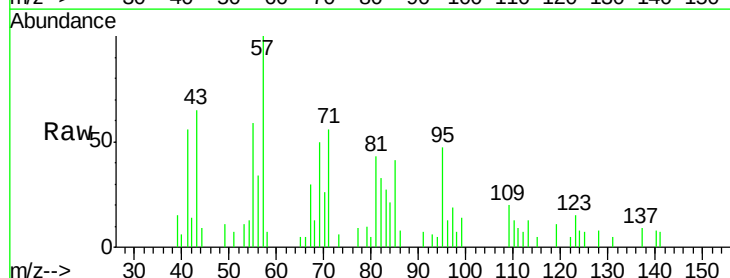
Tgt Ion: 122 Resp: 228

Ion Ratio Lower Upper

122 100

105 0.0 76.1 116.1#

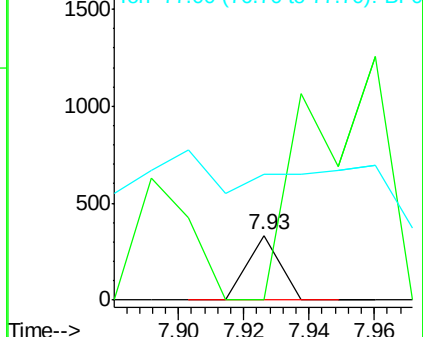
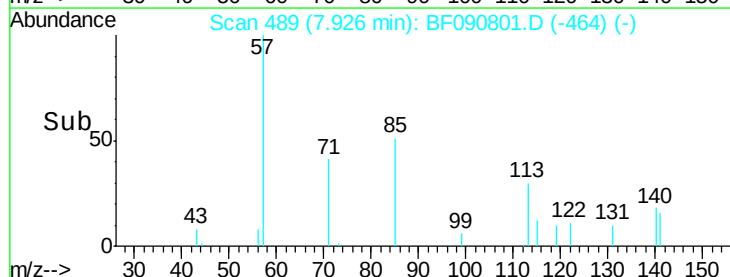
77 196.1 40.5 80.5#

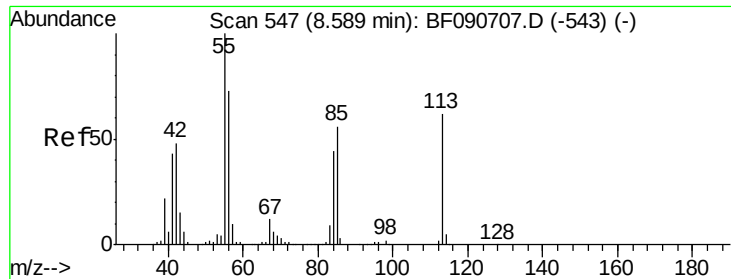


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 2.43 ng

RT: 8.55 min Scan# 544

Delta R.T. -0.03 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

BNA_F

ClientSampleId :

BOTTOM-WEST-DIESEL

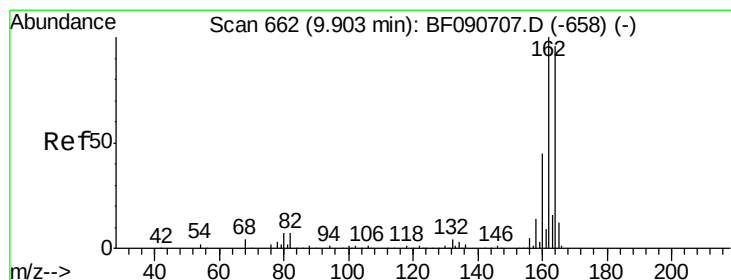
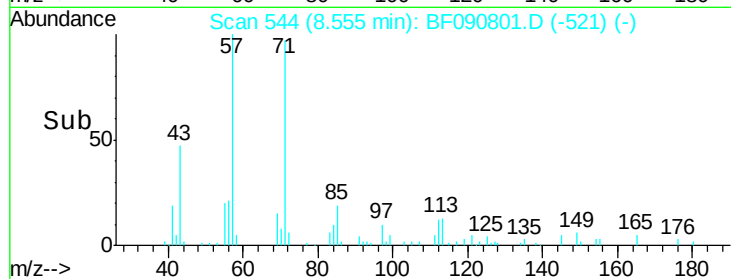
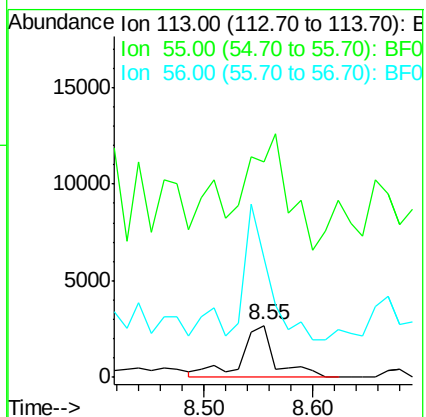
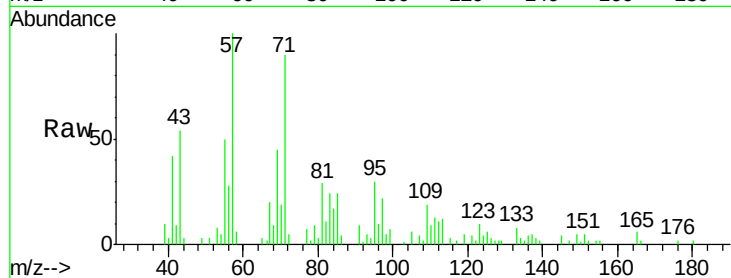
Tgt Ion:113 Resp: 5843

Ion Ratio Lower Upper

113 100

55 416.6 152.4 192.4#

56 232.3 104.6 144.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

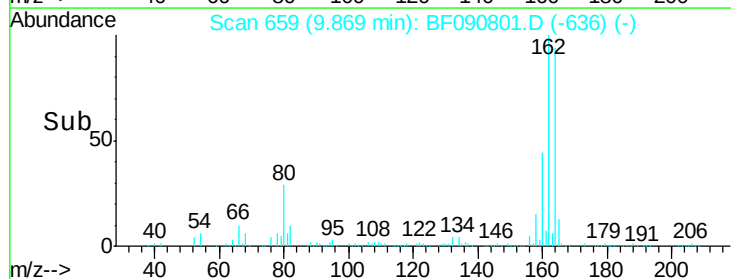
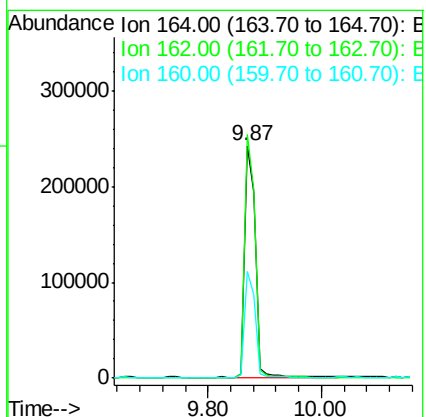
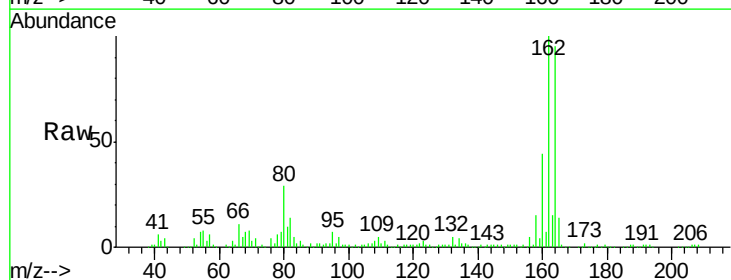
Tgt Ion:164 Resp: 318986

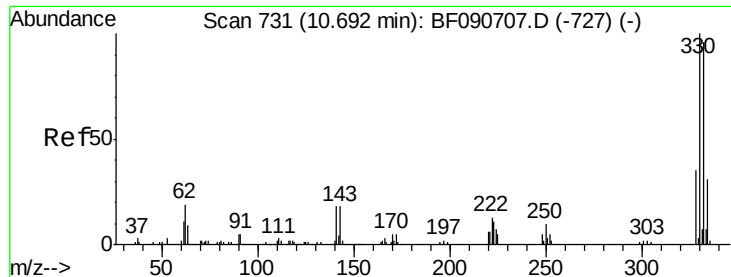
Ion Ratio Lower Upper

164 100

162 104.9 75.2 112.8

160 46.2 31.5 47.3

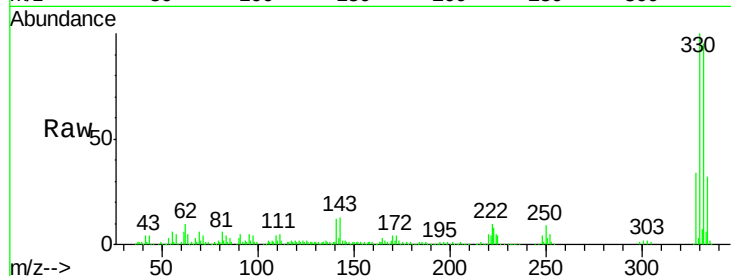




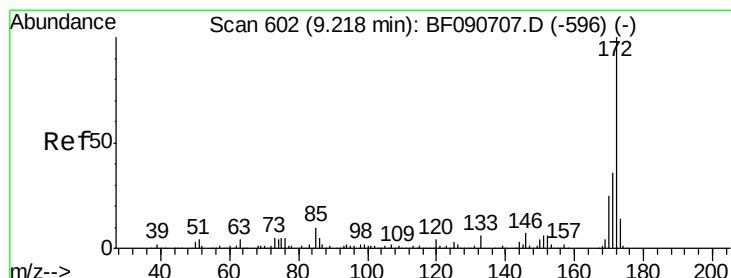
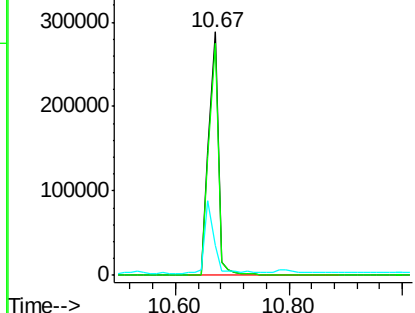
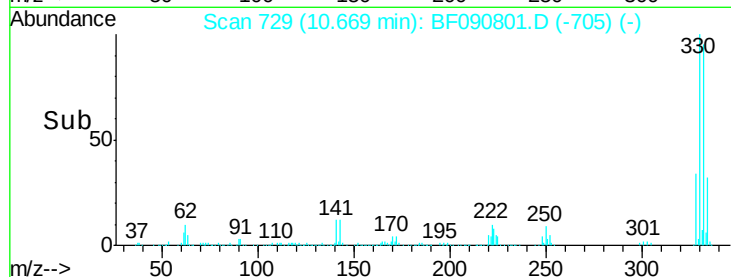
#41
 2,4,6-Tribromophenol
 Concen: 129.45 ng
 RT: 10.67 min Scan# 729
 Delta R.T. -0.02 min
 Lab File: BF090801.D
 Acq: 24 Oct 2016 21:30

Instrument :
 BNA_F
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 BOTTOM-WEST-DIESEL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	114.8
141	29.4	29.7	44.5#

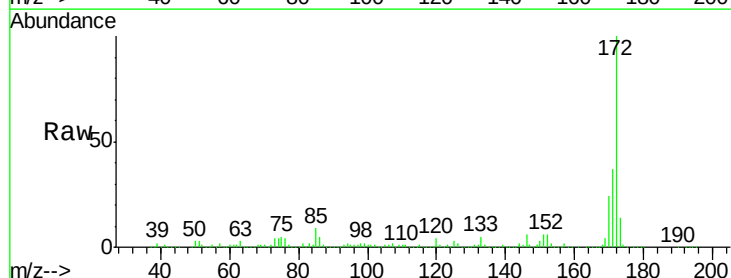


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

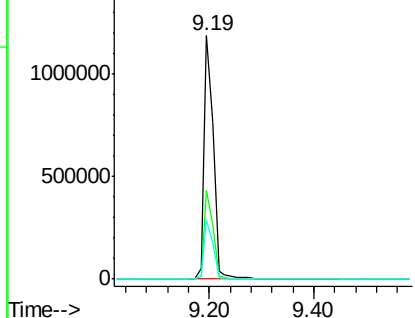
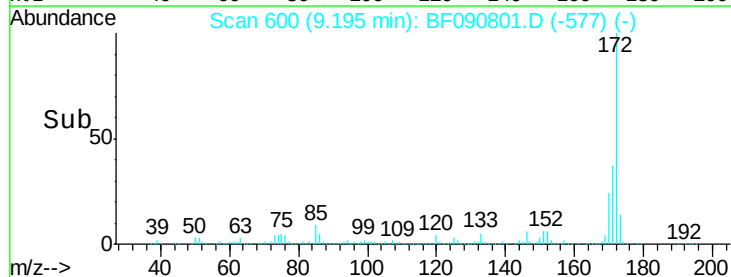


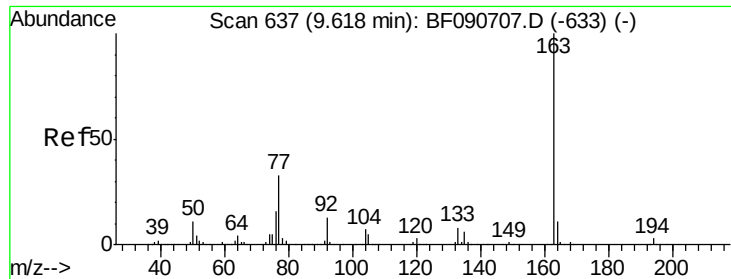
#44
 2-Fluorobiphenyl
 Concen: 71.35 ng
 RT: 9.19 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: BF090801.D
 Acq: 24 Oct 2016 21:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	26.1	39.1
170	24.4	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: 20.86 ng

RT: 9.59 min Scan# 635

Delta R.T. -0.03 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

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ClientSampleId :

BOTTOM-WEST-DIESEL

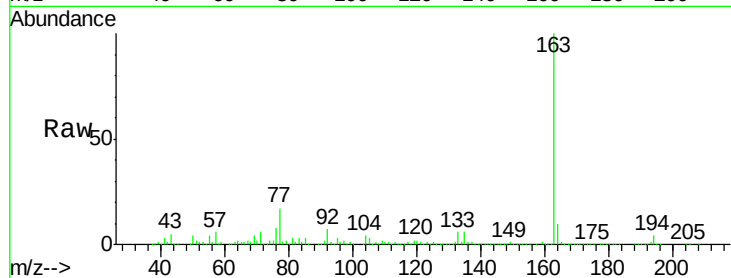
Tgt Ion:163 Resp: 418092

Ion Ratio Lower Upper

163 100

194 3.7 4.4 6.6#

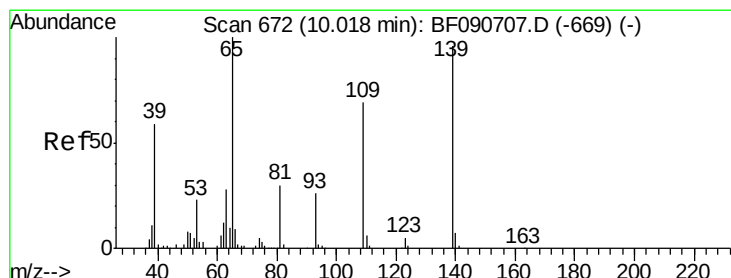
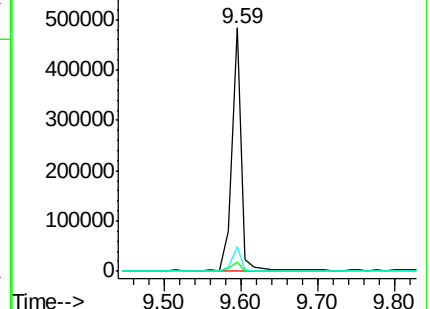
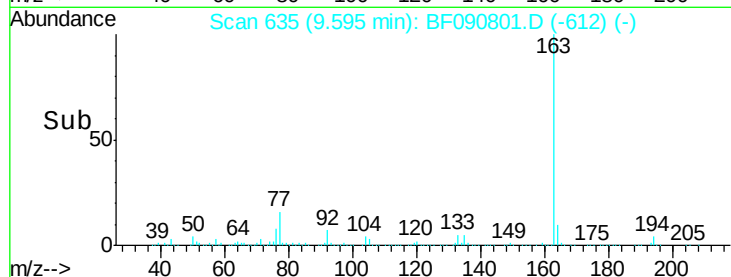
164 10.2 8.3 12.5



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



#55

4-Nitrophenol

Concen: 6.15 ng

RT: 10.02 min Scan# 672

Delta R.T. 0.00 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

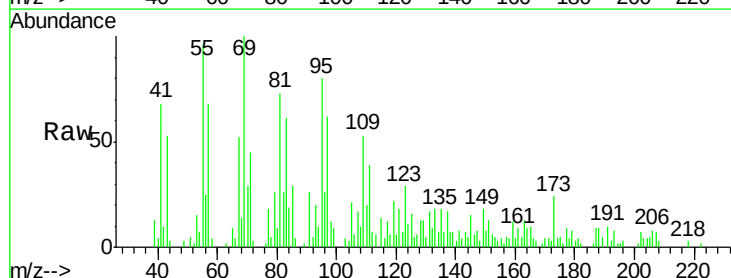
Tgt Ion:139 Resp: 710

Ion Ratio Lower Upper

139 100

109 723.1 12.7 52.7#

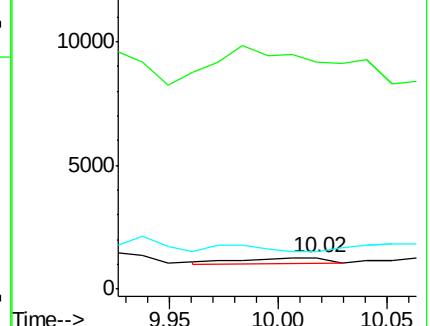
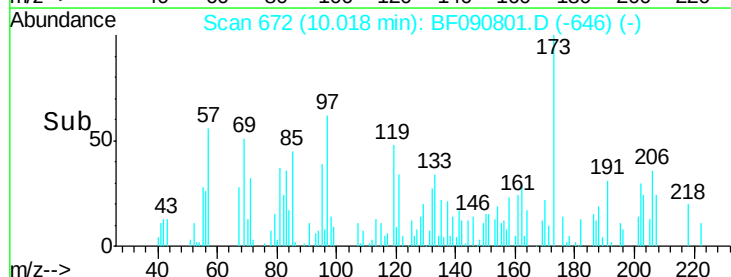
65 121.3 45.9 85.9#

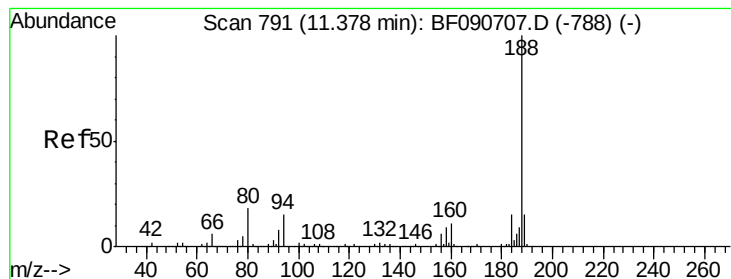


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

BNA_F

ClientSampleId :

BOTTOM-WEST-DIESEL

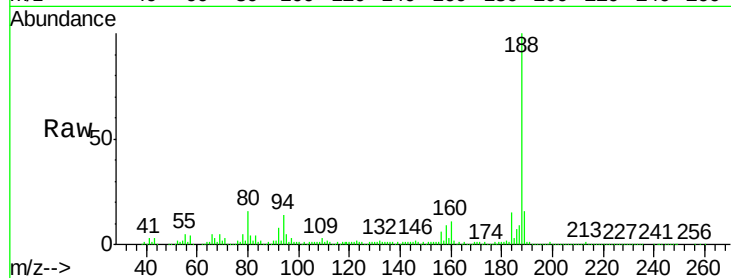
Tgt Ion:188 Resp: 465111

Ion Ratio Lower Upper

188 100

94 13.8 11.1 16.7

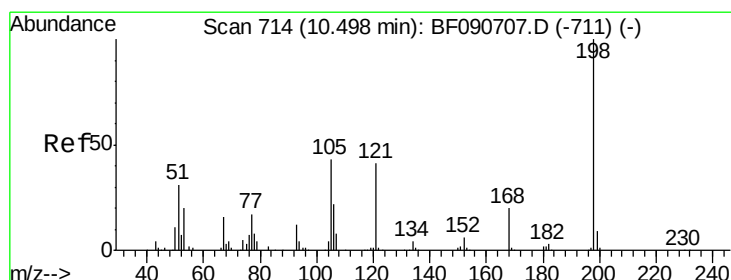
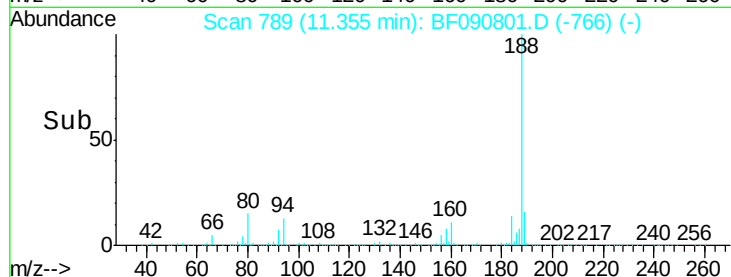
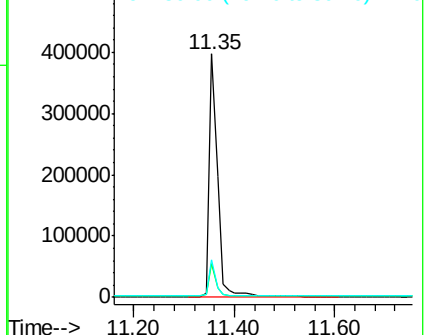
80 15.6 11.0 16.4



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: 4.24 ng

RT: 10.59 min Scan# 722

Delta R.T. 0.09 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

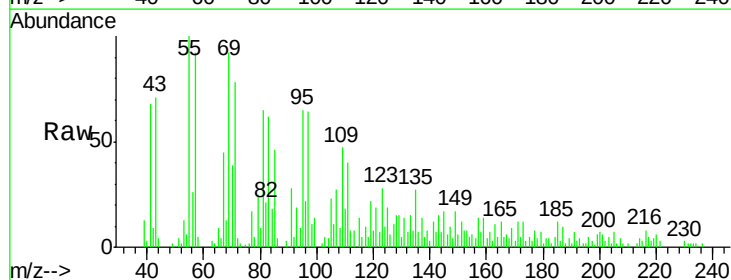
Tgt Ion:198 Resp: 207

Ion Ratio Lower Upper

198 100

51 318.9 39.6 79.6#

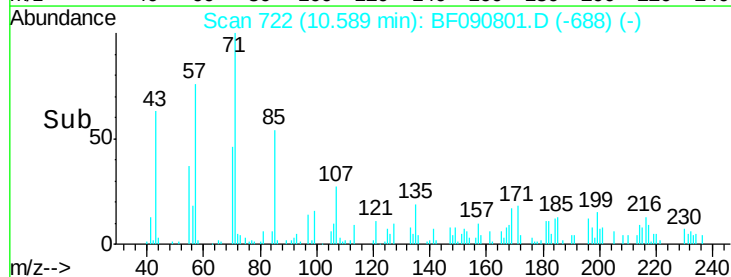
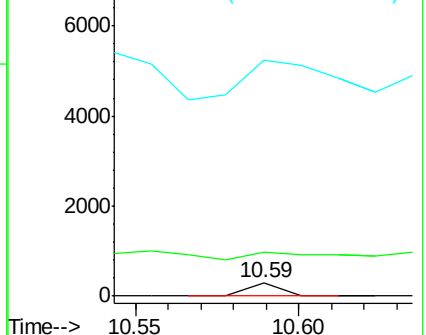
105 1732.1 28.5 68.5#

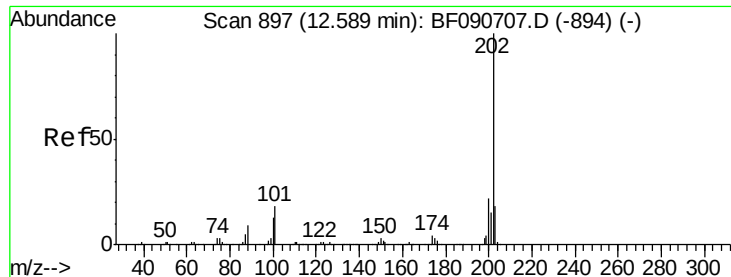


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#74

Fluoranthene

Concen: 2.80 ng

RT: 12.57 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

BNA_F

ClientSampleId :

BOTTOM-WEST-DIESEL

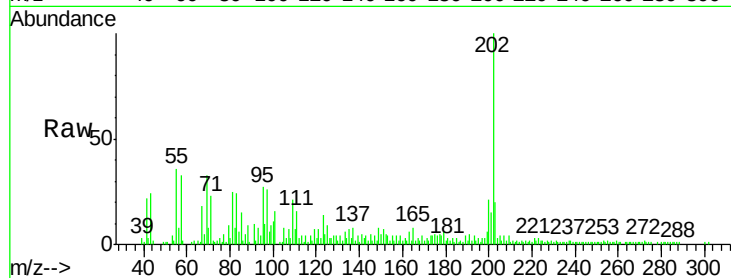
Tgt Ion:202 Resp: 64293

Ion Ratio Lower Upper

202 100

101 15.7 0.0 38.3

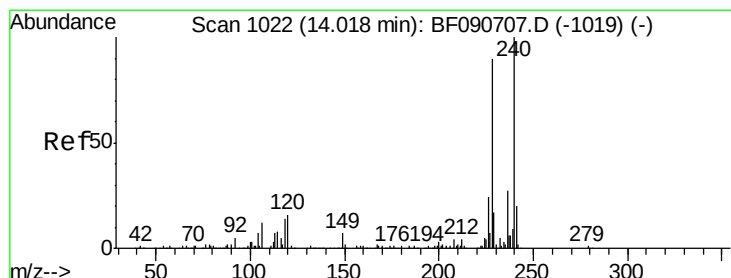
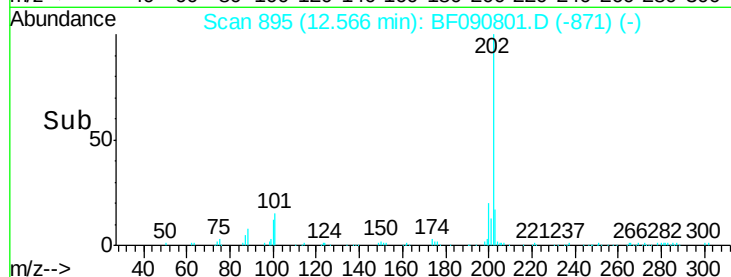
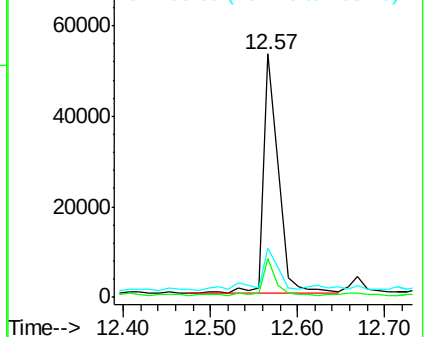
203 20.1 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

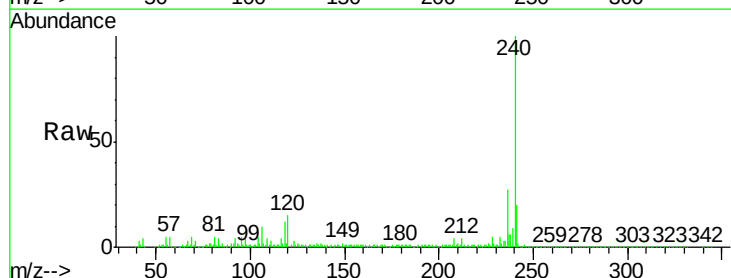
Tgt Ion:240 Resp: 364386

Ion Ratio Lower Upper

240 100

120 14.7 16.2 24.2#

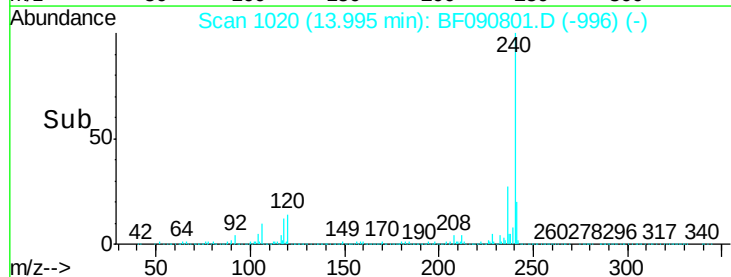
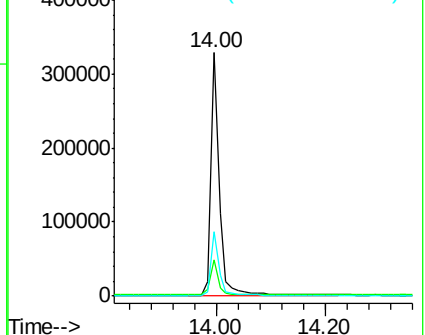
236 26.7 18.4 27.6

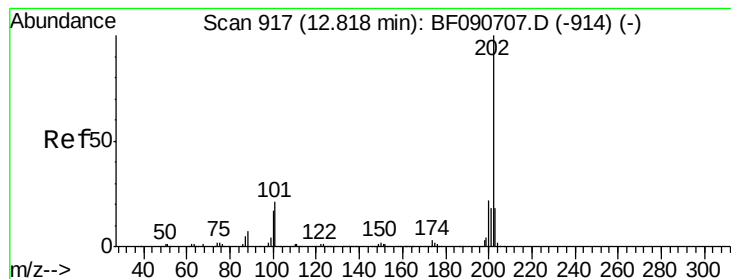


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.39 ng

RT: 12.80 min Scan# 915

Delta R.T. -0.03 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

BNA_F

ClientSampleId :

BOTTOM-WEST-DIESEL

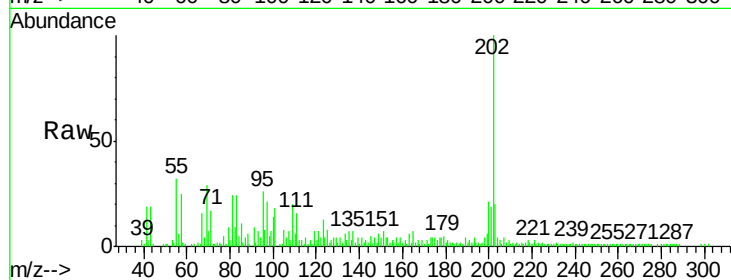
Tgt Ion:202 Resp: 60870

Ion Ratio Lower Upper

202 100

200 21.2 15.0 22.4

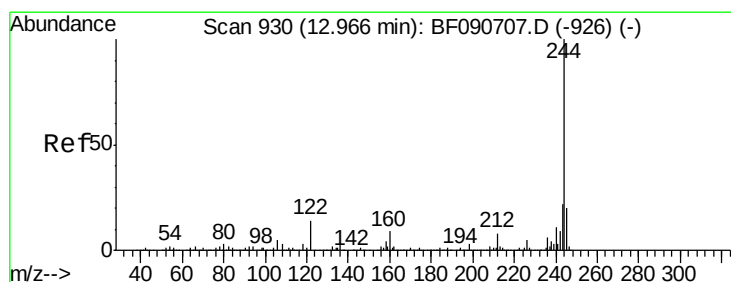
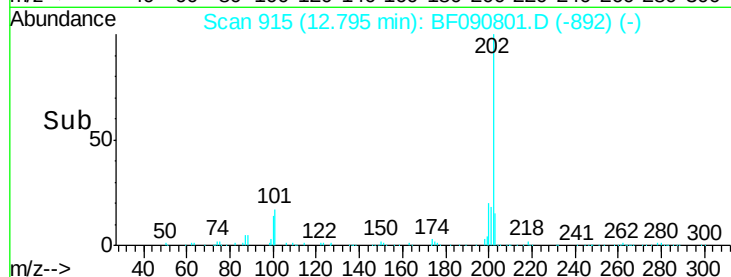
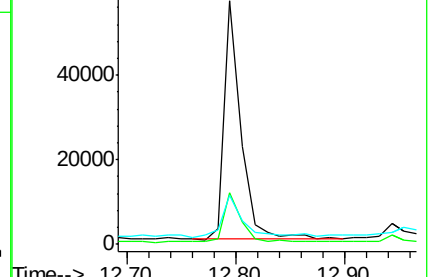
203 20.0 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.52 ng

RT: 12.94 min Scan# 928

Delta R.T. -0.02 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

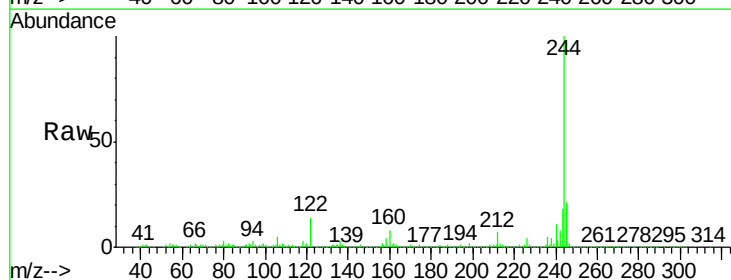
Tgt Ion:244 Resp: 1121278

Ion Ratio Lower Upper

244 100

212 7.0 4.3 6.5#

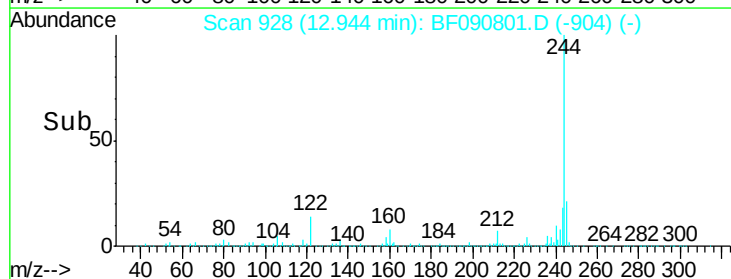
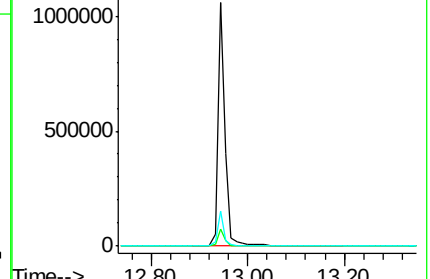
122 14.4 17.4 26.2#

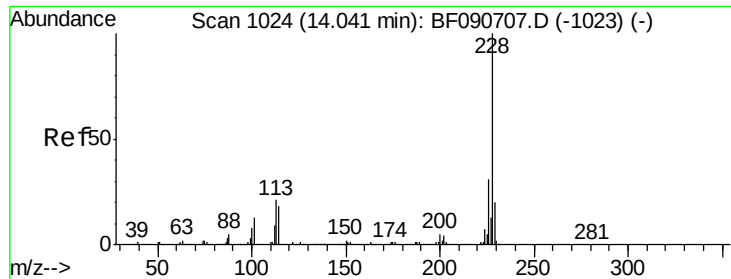


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.01 ng

RT: 13.98 min Scan# 1019

Delta R.T. -0.07 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

BNA_F

ClientSampleId :

BOTTOM-WEST-DIESEL

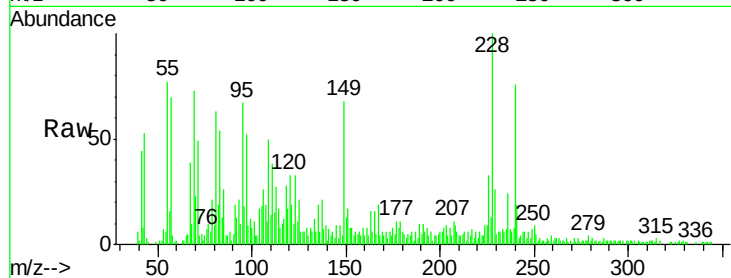
Tgt Ion:228 Resp: 39082

Ion Ratio Lower Upper

228 100

226 33.1 21.0 31.4#

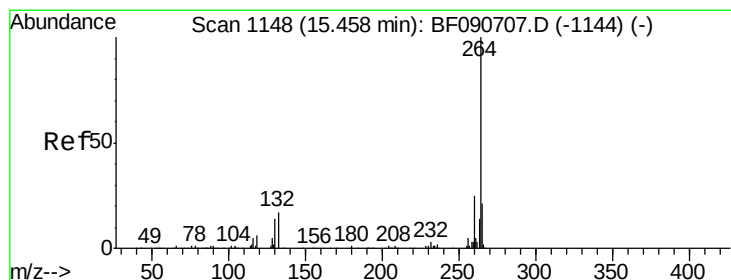
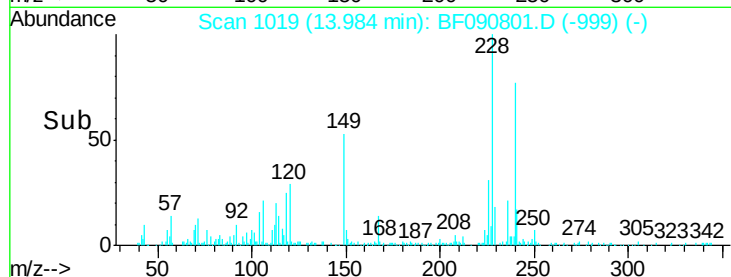
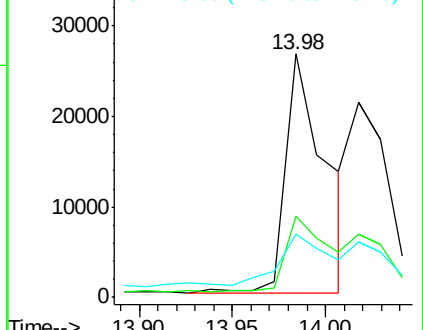
229 26.2 15.6 23.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1146

Delta R.T. -0.02 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

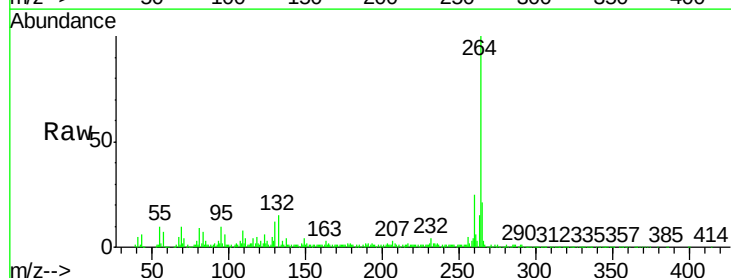
Tgt Ion:264 Resp: 308131

Ion Ratio Lower Upper

264 100

260 24.8 16.7 25.1

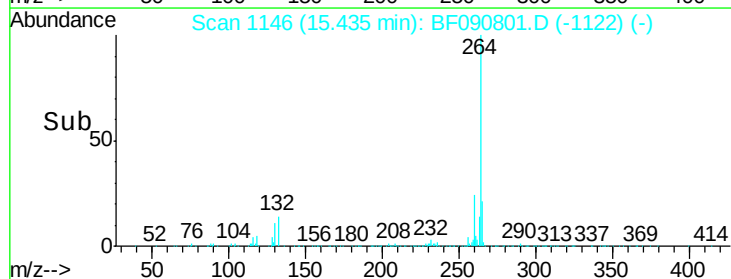
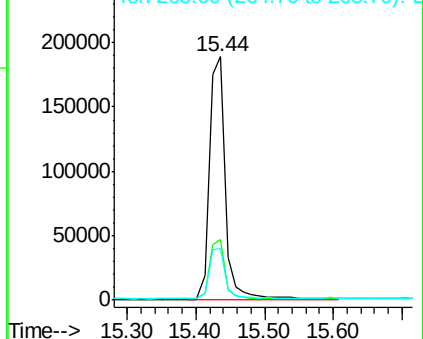
265 21.3 17.2 25.8

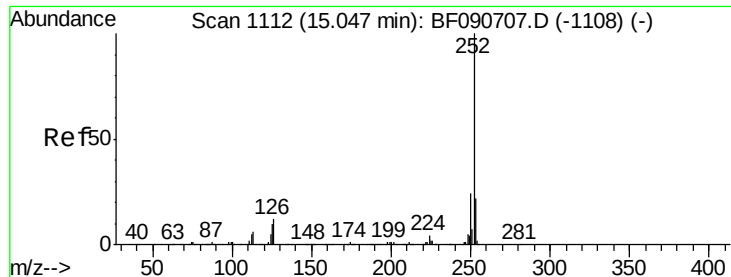


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.44 ng

RT: 15.02 min Scan# 1110

Delta R.T. -0.02 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

Instrument :

BNA_F

ClientSampleId :

BOTTOM-WEST-DIESEL

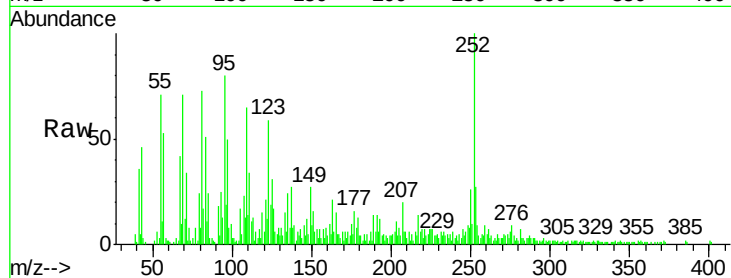
Tgt Ion:252 Resp: 65158

Ion Ratio Lower Upper

252 100

253 27.3 17.5 26.3#

125 31.5 17.1 25.7#

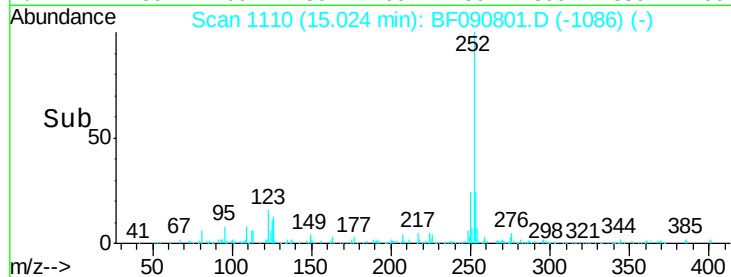


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



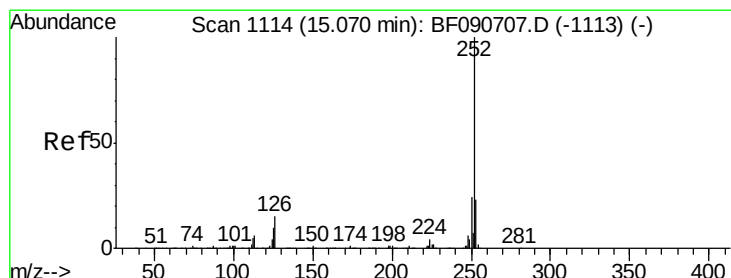
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#88

Benzo(k)fluoranthene

Concen: 3.42 ng

RT: 15.02 min Scan# 1110

Delta R.T. -0.05 min

Lab File: BF090801.D

Acq: 24 Oct 2016 21:30

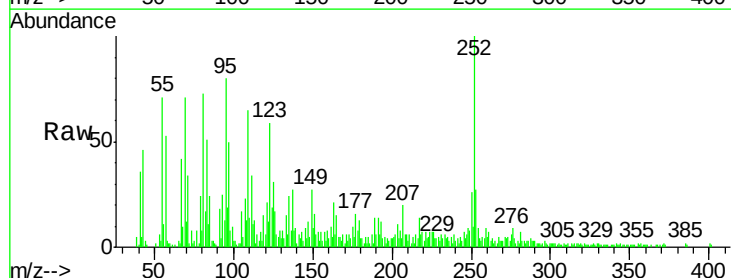
Tgt Ion:252 Resp: 65158

Ion Ratio Lower Upper

252 100

253 27.3 17.0 25.4#

125 31.5 16.0 24.0#

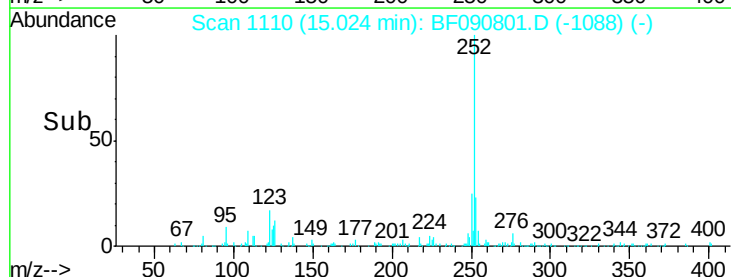


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->