

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100915\
 Data File : BF082156.D
 Acq On : 9 Oct 2015 20:43
 Operator : UM/IZ
 Sample : G3928-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

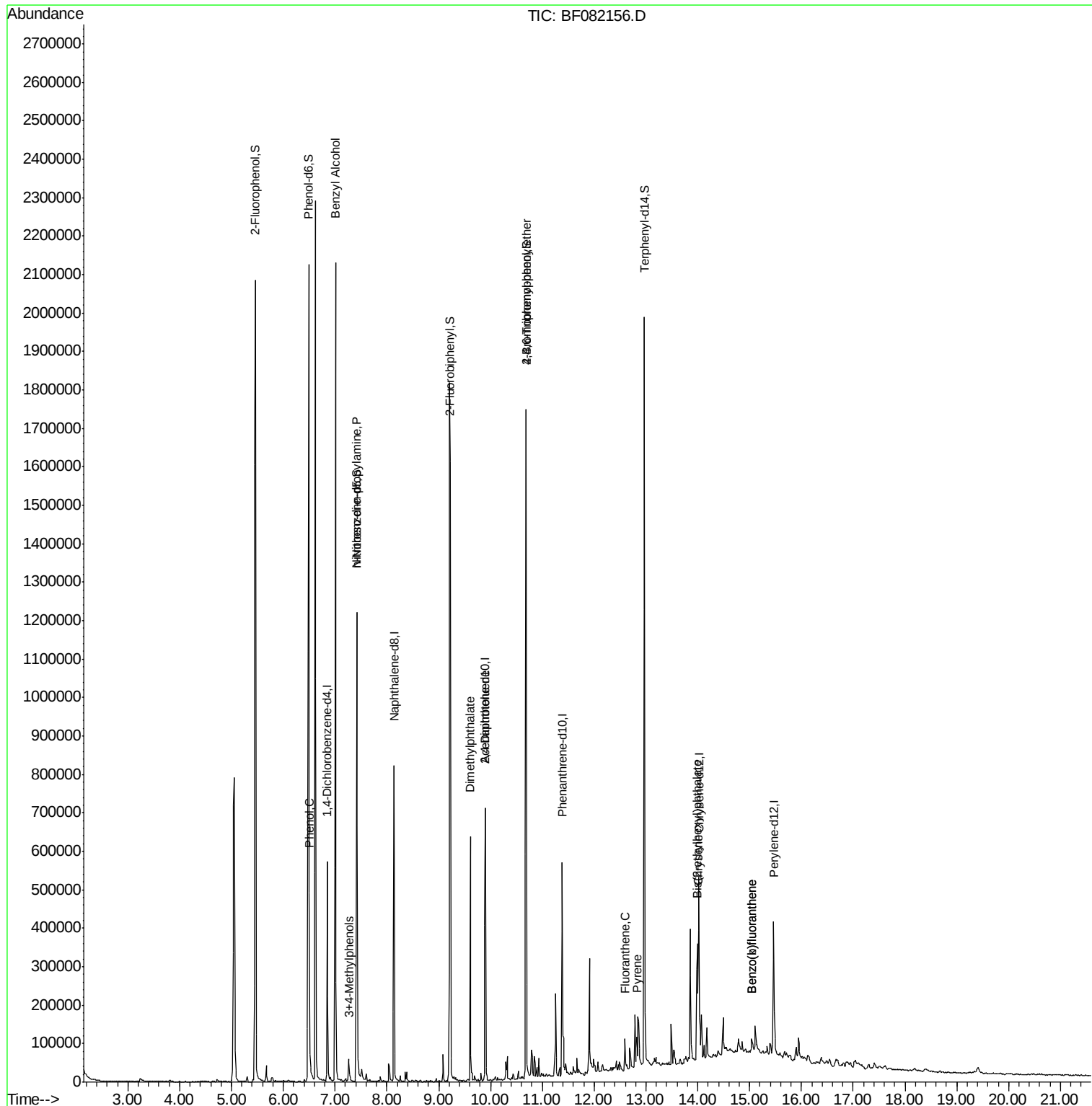
Quant Time: Oct 09 22:53:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 22:47:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	103360	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	397482	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	175793	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	298371	20.00	ng	0.00
75) Chrysene-d12	14.02	240	229427	20.00	ng	-0.01
86) Perylene-d12	15.46	264	194765	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	822806	144.51	ng	0.02
7) Phenol-d6	6.49	99	948949	132.45	ng	0.00
23) Nitrobenzene-d5	7.42	82	553400	92.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	227638	127.86	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	921581	88.41	ng	0.00
78) Terphenyl-d14	12.97	244	820358	138.94	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	50340	6.26	ng	# 63
15) Benzyl Alcohol	7.01	79	10456	2.02	ng	# 31
19) n-Nitroso-di-n-propylamine	7.42	70	74195	17.04	ng	# 59
20) 3+4-Methylphenols	7.27	107	23573	3.66	ng	# 82
49) Dimethylphthalate	9.61	163	252588	20.82	ng	# 97
56) 2,4-Dinitrotoluene	9.90	165	22458	6.69	ng	# 33
57) Fluorene	10.43	166	4509	Below Cal		# 77
66) 4-Bromophenyl-phenylether	10.69	248	16158	5.37	ng	# 1
73) Di-n-butylphthalate	11.94	149	9776	Below Cal		# 94
74) Fluoranthene	12.60	202	45628	2.85	ng	87
77) Pyrene	12.82	202	47206	3.44	ng	97
82) Chrysene	14.01	228	22683	2.27	ng	# 91
83) Bis(2-ethylhexyl)phthalate	13.99	149	202405	31.29	ng	# 95
87) Benzo(b)fluoranthene	15.04	252	27102	2.44	ng	92
88) Benzo(k)fluoranthene	15.04	252	27102	2.66	ng	# 92

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

```
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Sample    : G3928-01RE  
Misc      :  
ALS Vial  : 15 Sample Multiplier: 1
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QLast Update : Fri Oct 09 22:47:26 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

Instrument :

BNA_F

ClientSampleId :

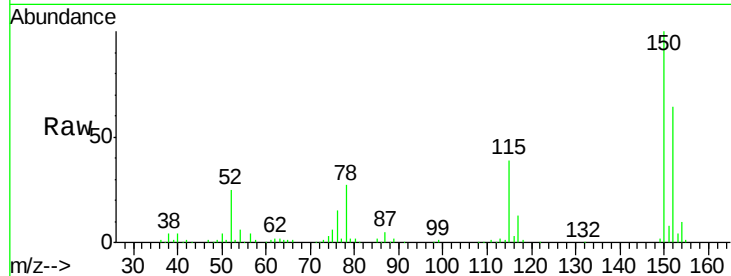
Tot Ion:152 Resp: 103360

Ion Ratio Lower Upper

152 100

150 157.2 124.7 187.1

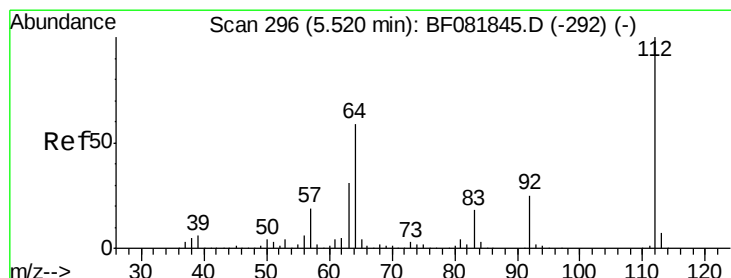
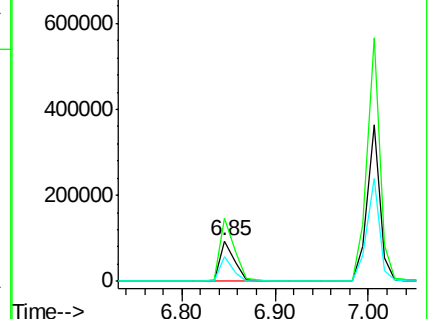
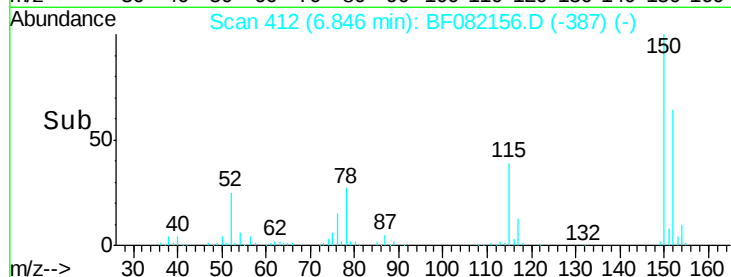
115 61.9 39.0 58.4#



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: 144.51 ng

RT: 5.46 min Scan# 291

Delta R.T. 0.02 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

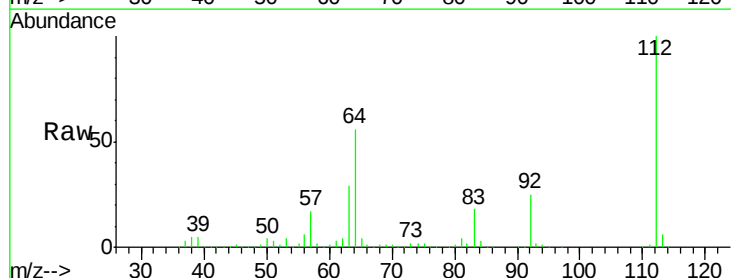
Tgt Ion:112 Resp: 822806

Ion Ratio Lower Upper

112 100

64 55.6 39.7 59.5

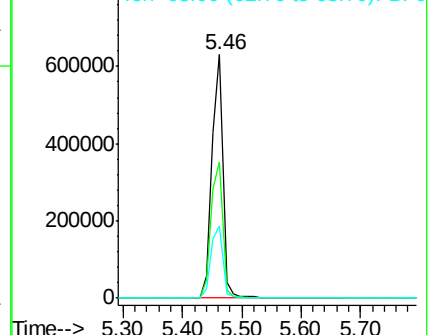
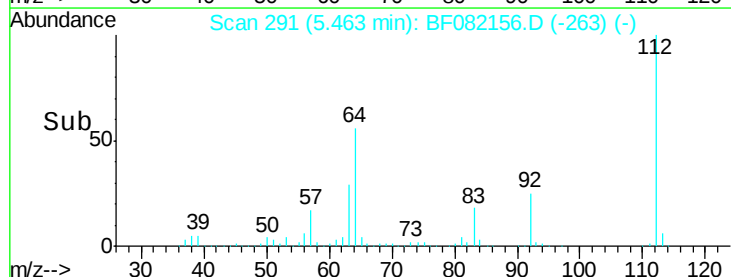
63 29.5 17.4 26.0#

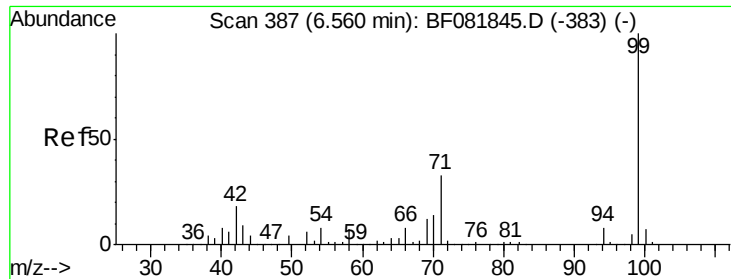


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.45 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

Instrument :

BNA_F

ClientSampled :

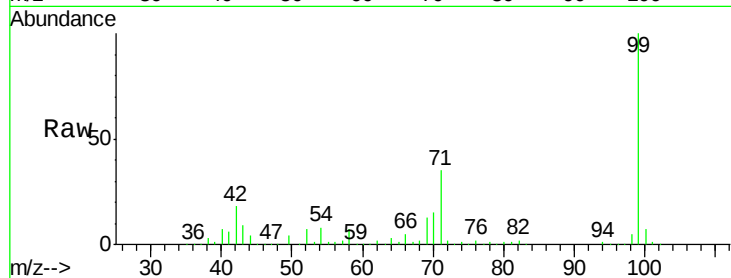
Tot Ion: 99 Resp: 948949

Ion Ratio Lower Upper

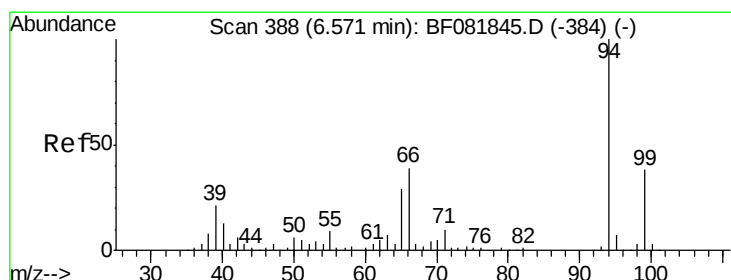
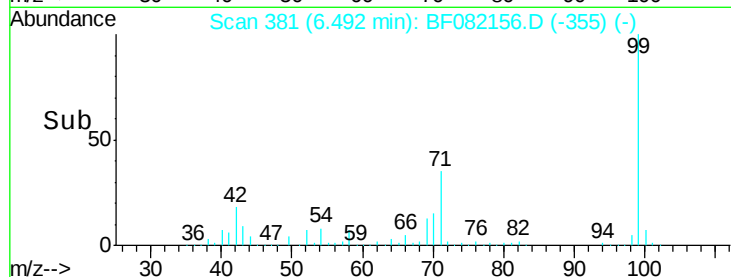
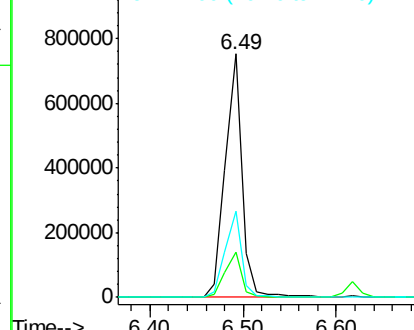
99 100

42 18.4 13.7 20.5

71 35.2 14.2 21.2#



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



#10

Phenol

Concen: 6.26 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

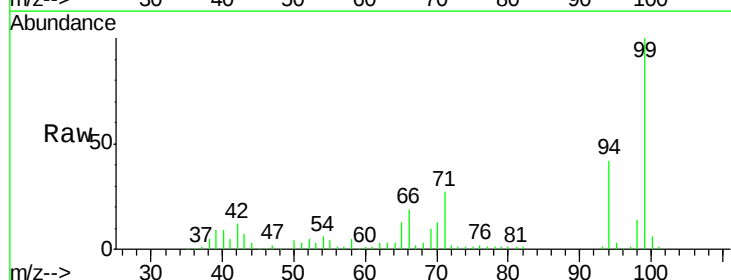
Tgt Ion: 94 Resp: 50340

Ion Ratio Lower Upper

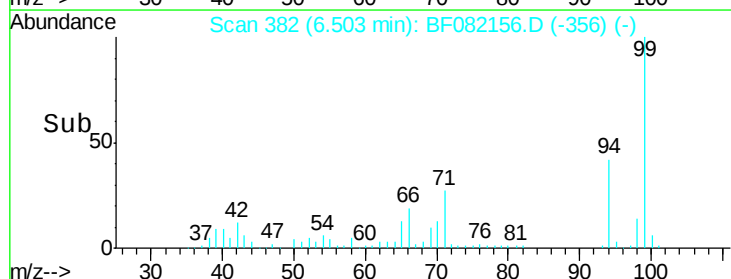
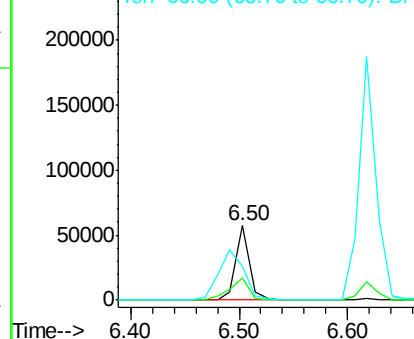
94 100

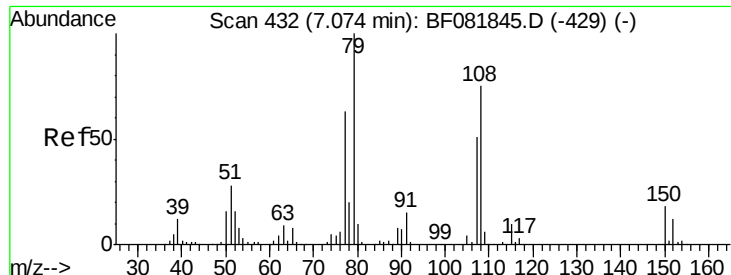
65 29.9 0.7 40.7

66 45.7 0.8 40.8#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

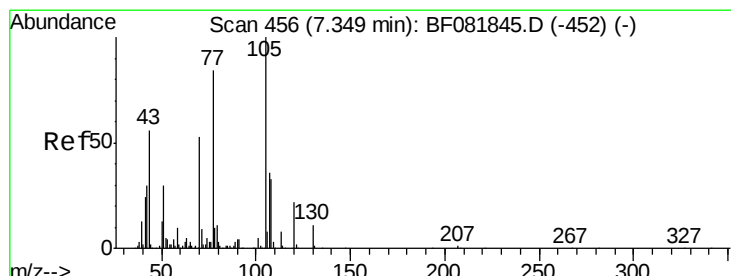
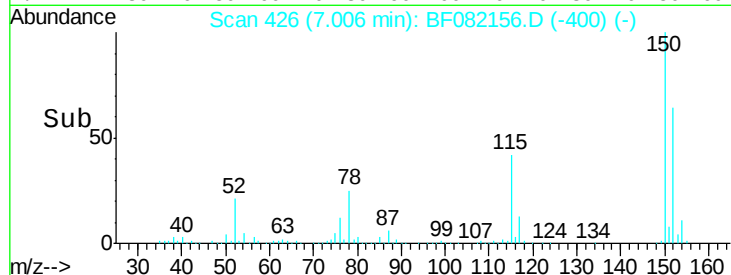
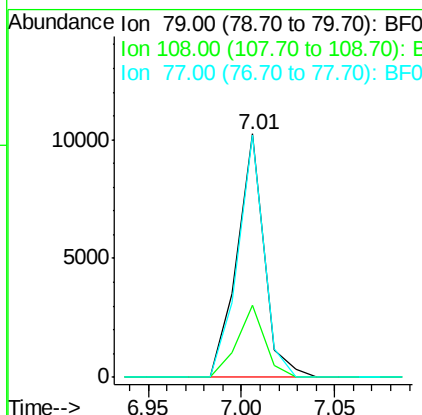
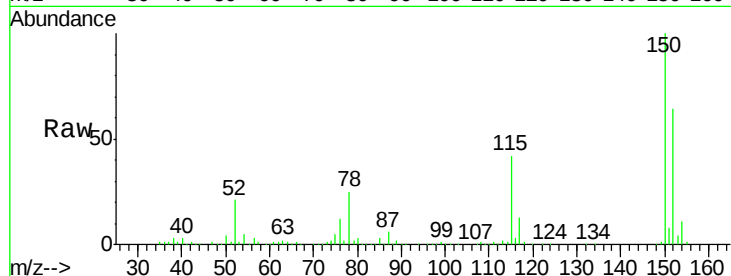




#15
Benzyl Alcohol
Concen: 2.02 ng
RT: 7.01 min Scan# 426
Delta R.T. -0.00 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

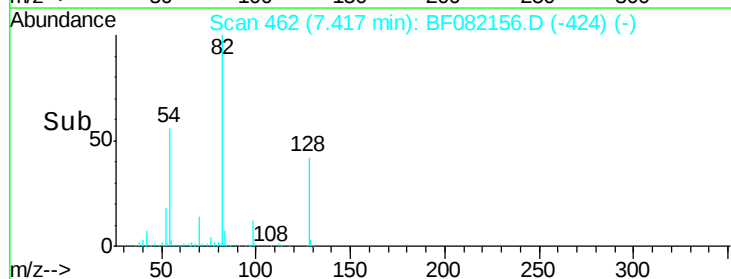
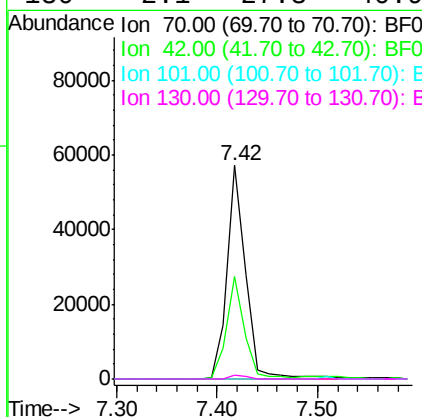
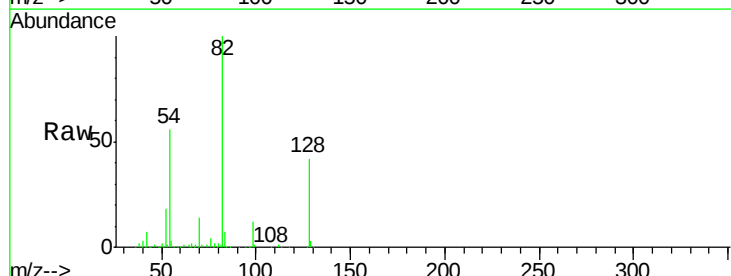
Instrument :
BNA_F
ClientSampled :

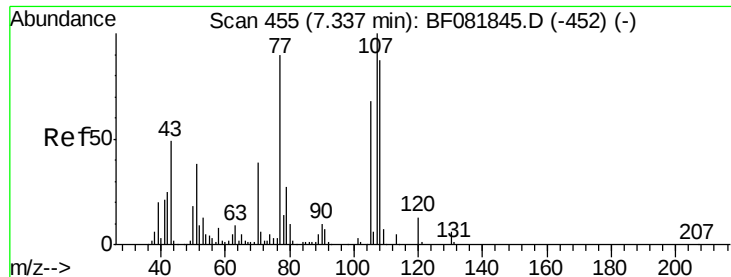
Tot Ion: 79 Resp: 10456
Ion Ratio Lower Upper
79 100
108 29.8 88.6 132.8#
77 99.5 47.0 70.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.04 ng
RT: 7.42 min Scan# 462
Delta R.T. 0.14 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

Tgt Ion: 70 Resp: 74195
Ion Ratio Lower Upper
70 100
42 47.7 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#

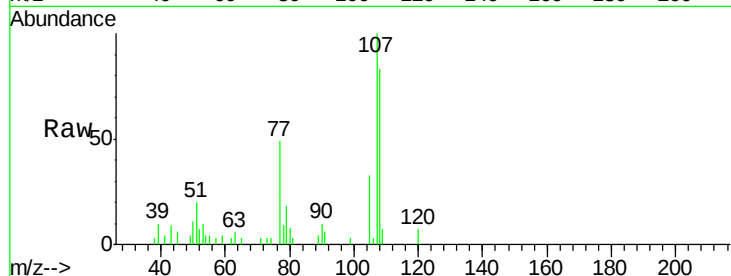




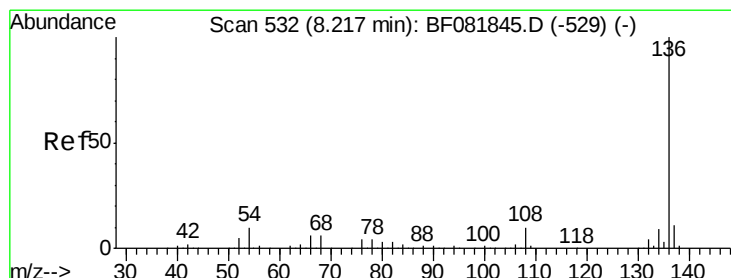
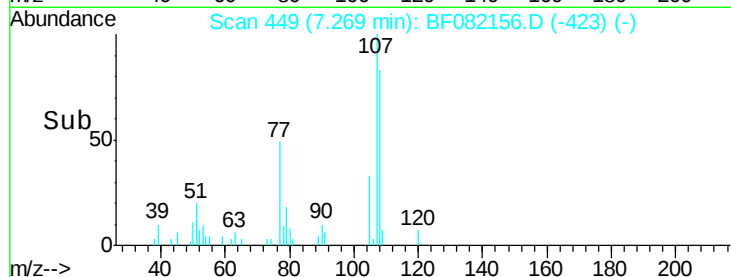
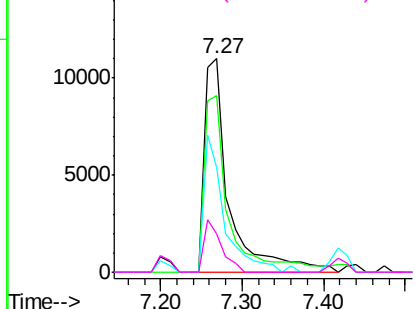
#20
3+4-Methylphenols
Concen: 3.66 ng
RT: 7.27 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 23573
Ion Ratio Lower Upper
107 100
108 82.7 74.6 114.6
77 49.0 0.7 40.7#
79 17.9 0.0 38.9

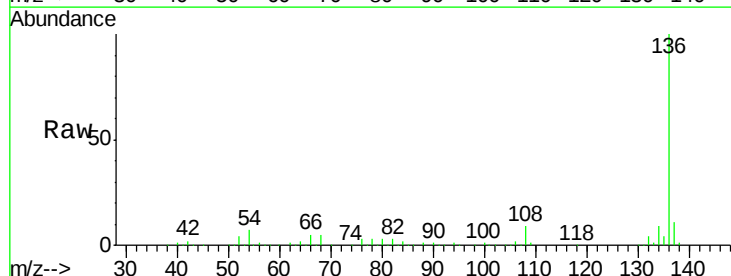


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

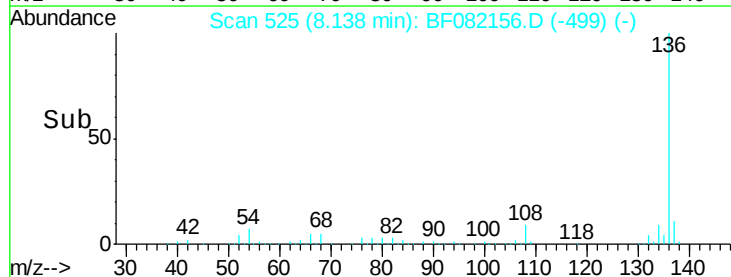
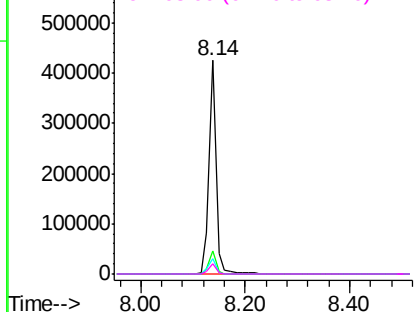


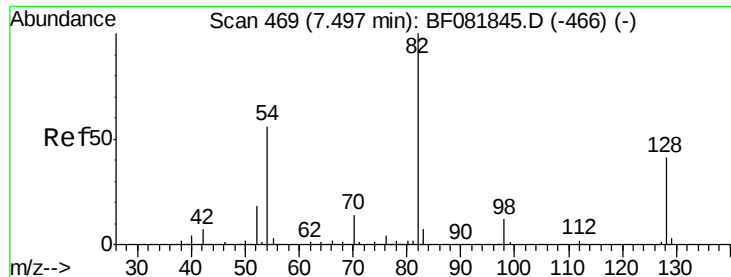
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

Tgt Ion:136 Resp: 397482
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 7.4 8.2 12.2#
68 4.9 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

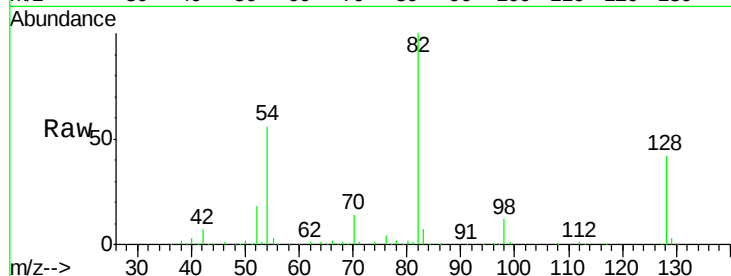




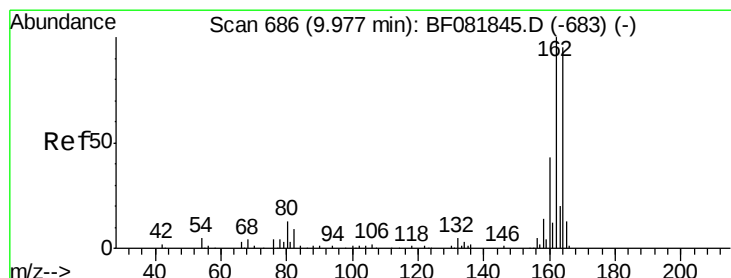
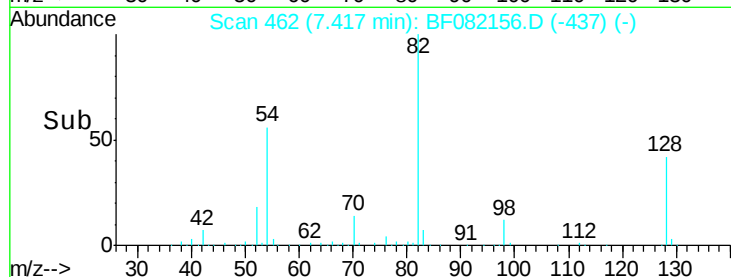
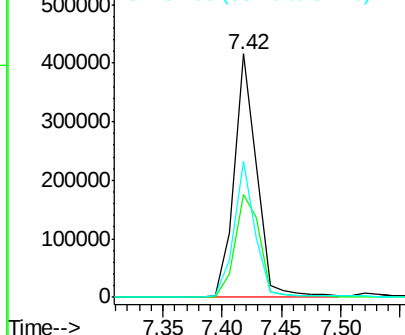
#23
 Nitrobenzene-d5
 Concen: 92.81 ng
 RT: 7.42 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF082156.D
 Acq: 9 Oct 2015 20:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 553400
 Ion Ratio Lower Upper
 82 100
 128 42.2 51.0 76.6#
 54 55.9 47.5 71.3

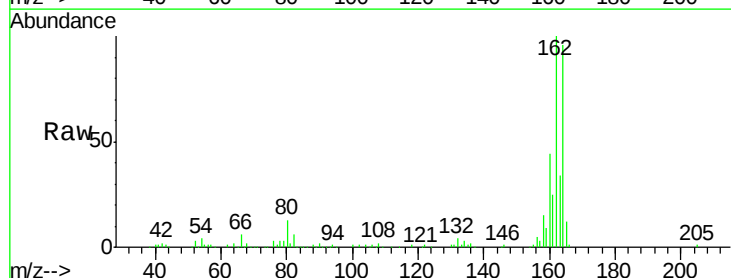


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

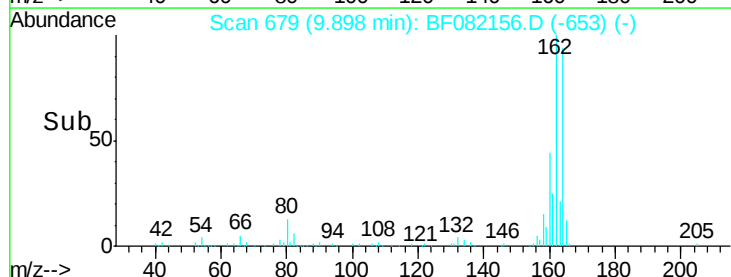
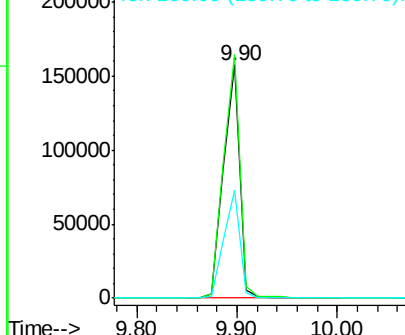


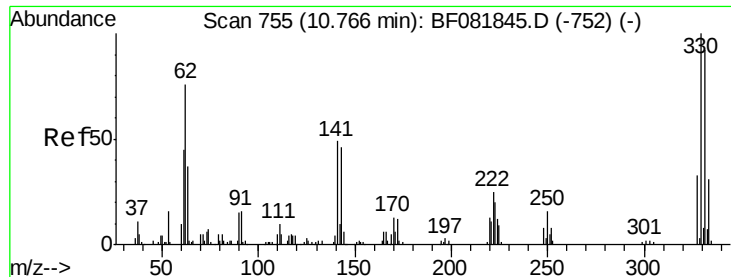
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: BF082156.D
 Acq: 9 Oct 2015 20:43

Tgt Ion:164 Resp: 175793
 Ion Ratio Lower Upper
 164 100
 162 104.5 75.2 112.8
 160 46.3 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

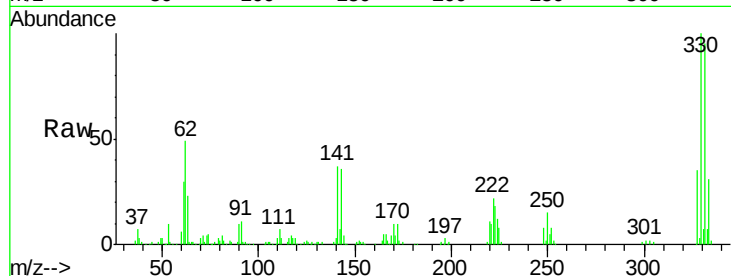




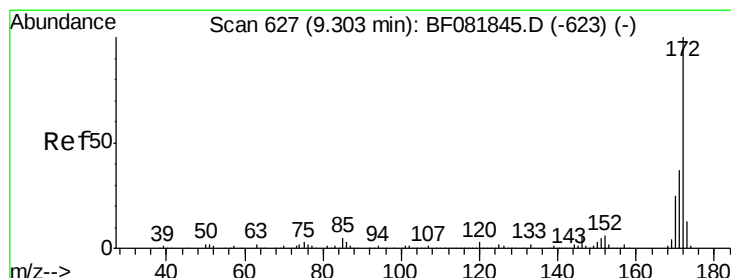
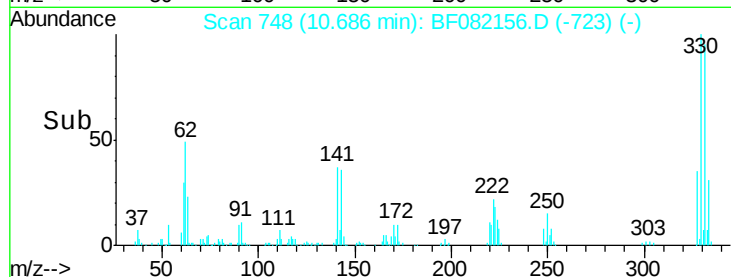
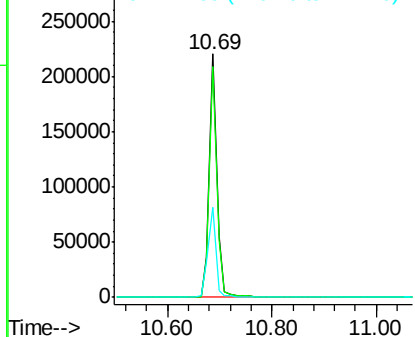
#41
 2,4,6-Tribromophenol
 Concen: 127.86 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BF082156.D
 Acq: 9 Oct 2015 20:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.6	114.8
141	37.8	29.7	44.5

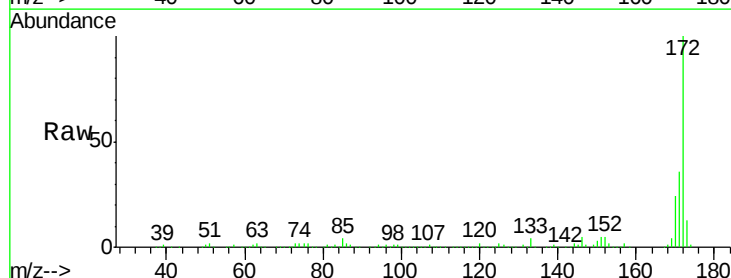


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

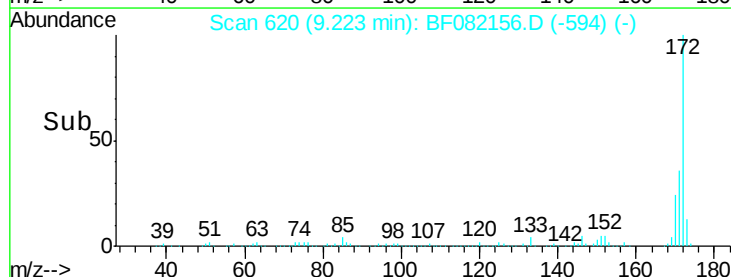
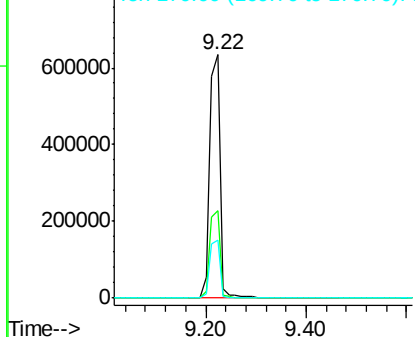


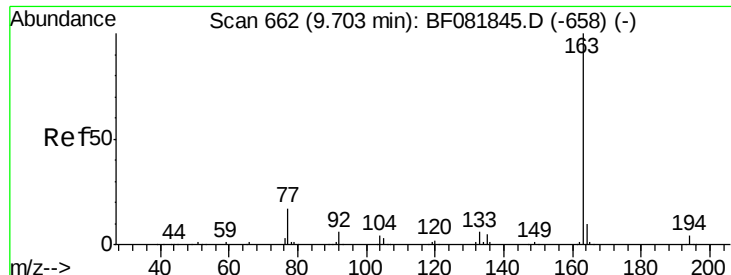
#44
 2-Fluorobiphenyl
 Concen: 88.41 ng
 RT: 9.22 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF082156.D
 Acq: 9 Oct 2015 20:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	26.1	39.1
170	23.9	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

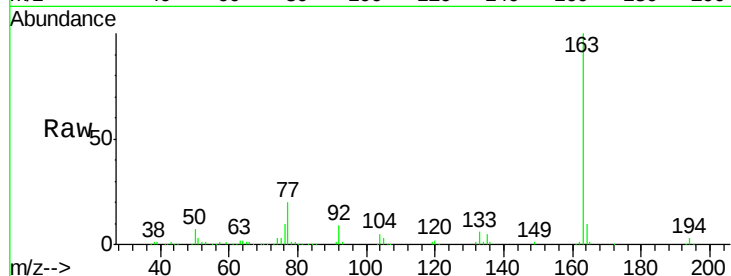




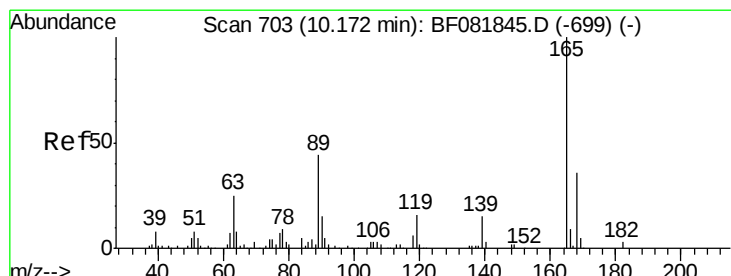
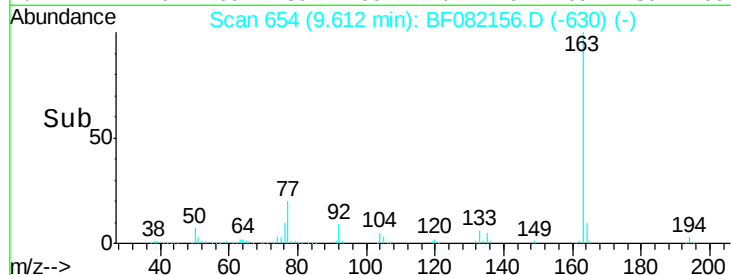
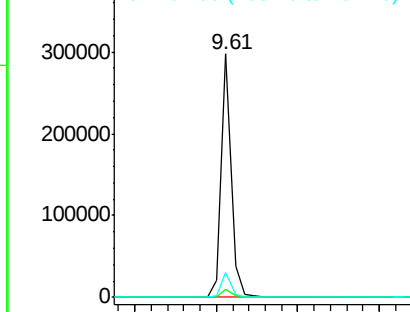
#49
Dimethylphthalate
Concen: 20.82 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 252588
Ion Ratio Lower Upper
163 100
194 3.2 4.4 6.6#
164 10.2 8.3 12.5

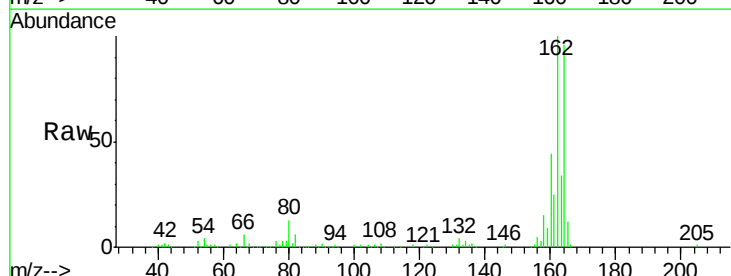


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

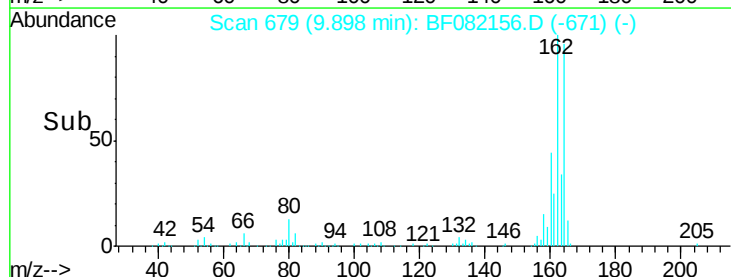
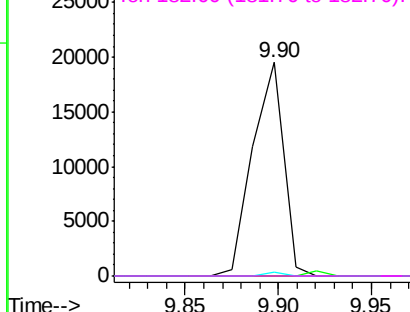


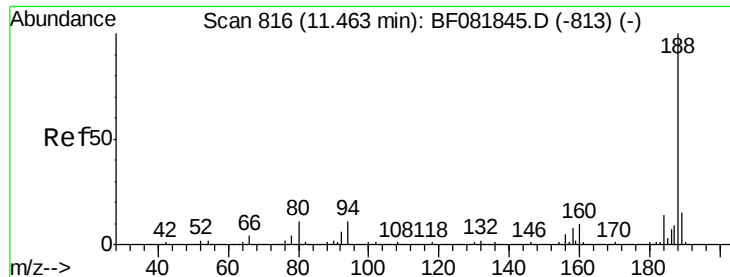
#56
2,4-Dinitrotoluene
Concen: 6.69 ng
RT: 9.90 min Scan# 679
Delta R.T. -0.21 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

Tgt Ion:165 Resp: 22458
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 1.9 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

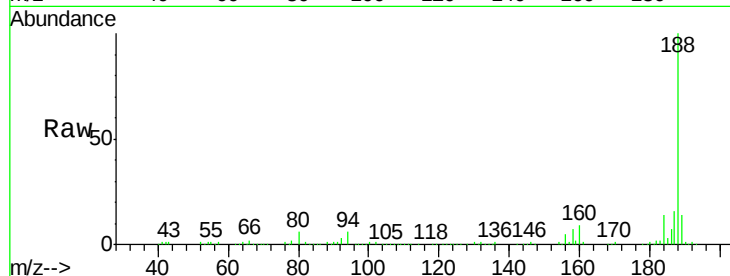




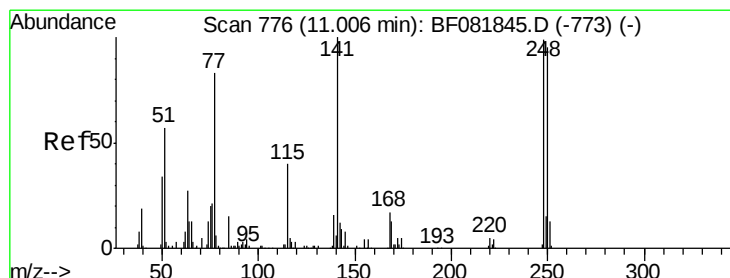
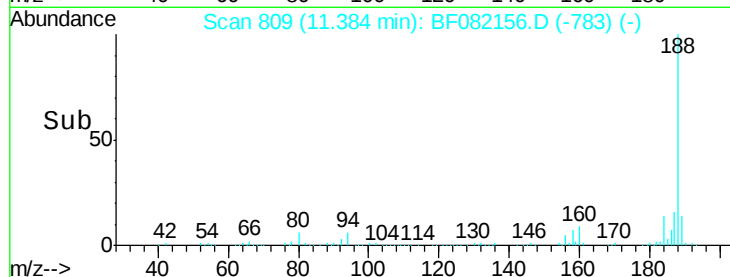
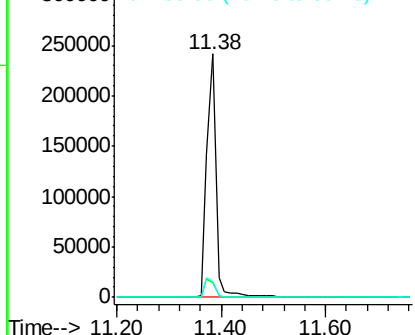
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 298371
Ion Ratio Lower Upper
188 100
94 6.1 11.1 16.7#
80 6.3 11.0 16.4#

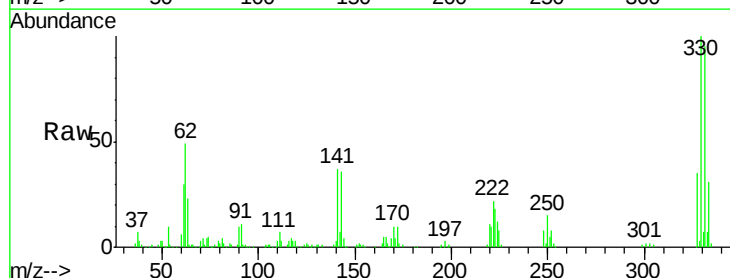


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

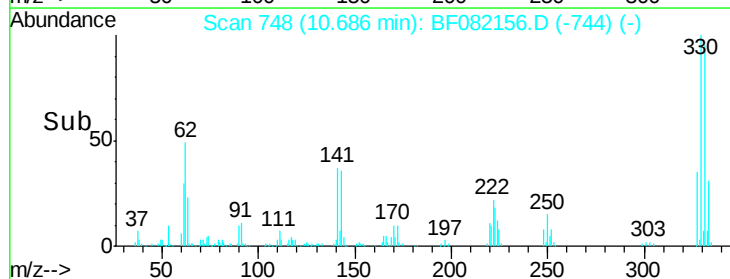
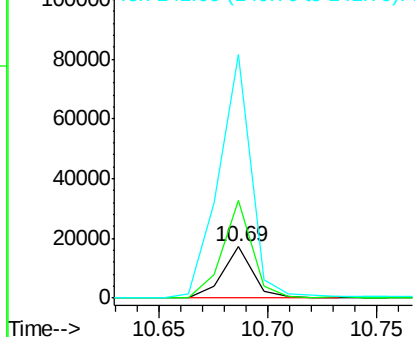


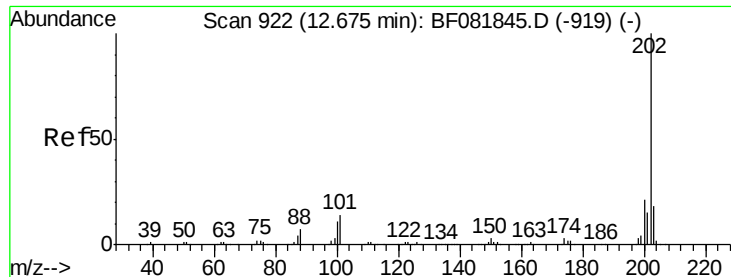
#66
4-Bromophenyl-phenylether
Concen: 5.37 ng
RT: 10.69 min Scan# 748
Delta R.T. -0.25 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

Tgt Ion:248 Resp: 16158
Ion Ratio Lower Upper
248 100
250 189.4 78.5 117.7#
141 474.3 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





#74

Fluoranthene

Concen: 2.85 ng

RT: 12.60 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

Instrument :

BNA_F

ClientSampleId :

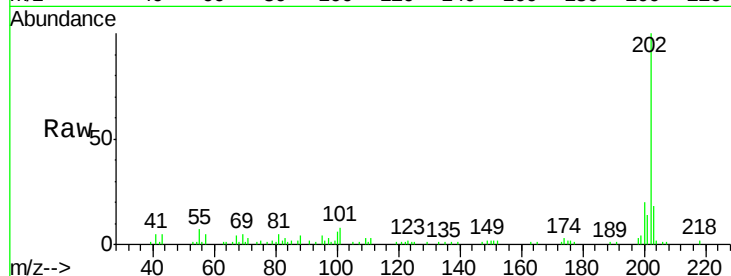
Tot Ion:202 Resp: 45628

Ion Ratio Lower Upper

202 100

101 7.8 0.0 38.3

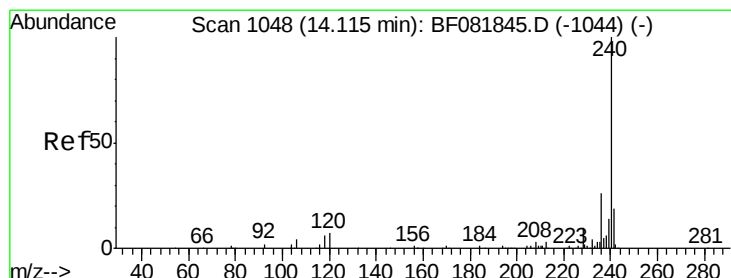
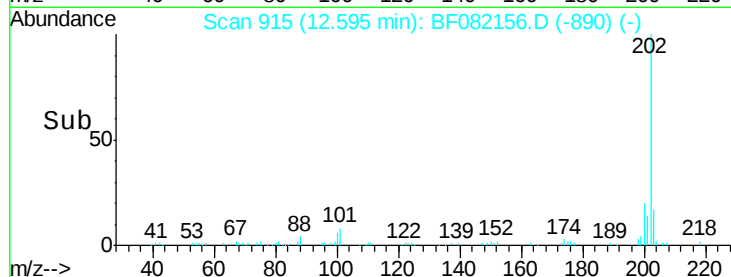
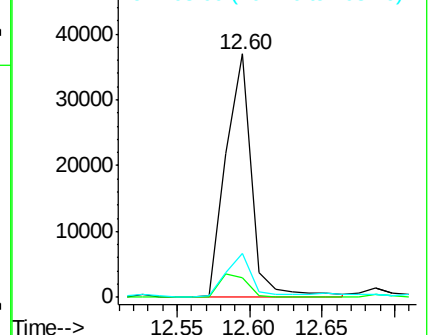
203 17.8 0.0 37.3



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: 14.02 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

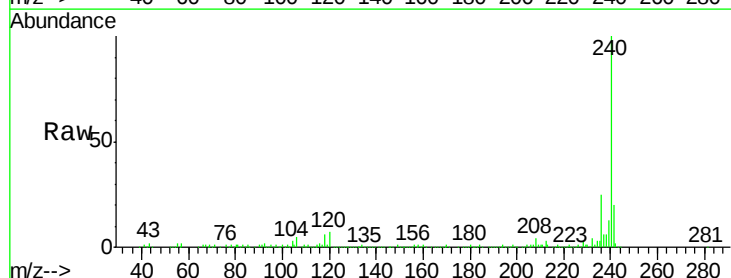
Tgt Ion:240 Resp: 229427

Ion Ratio Lower Upper

240 100

120 7.2 16.2 24.2#

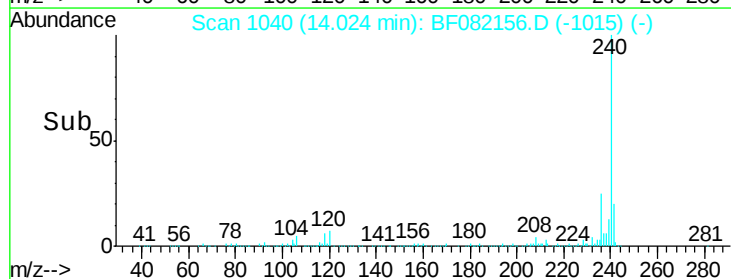
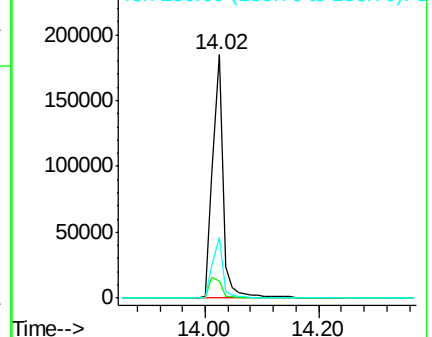
236 25.0 18.4 27.6

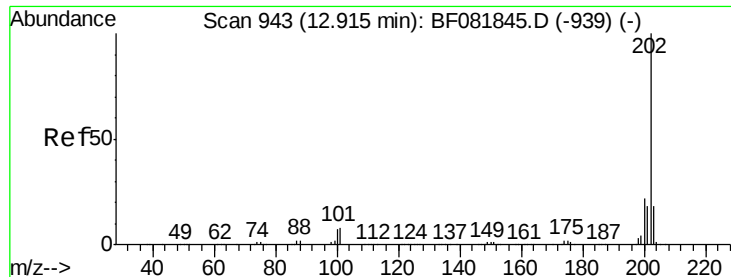


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.44 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

Instrument :

BNA_F

ClientSampleId :

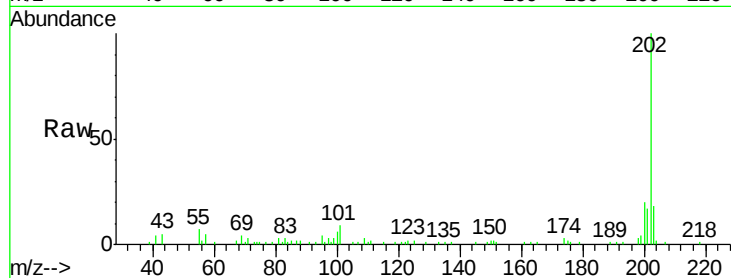
Tot Ion:202 Resp: 47206

Ion Ratio Lower Upper

202 100

200 20.5 15.0 22.4

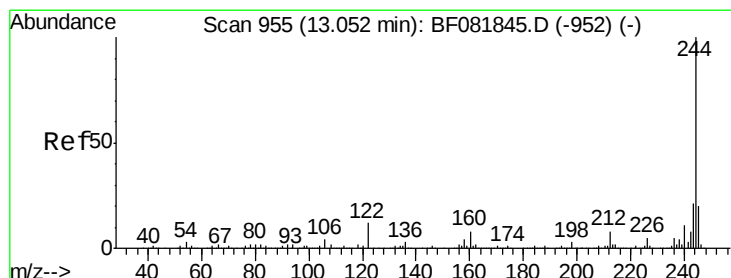
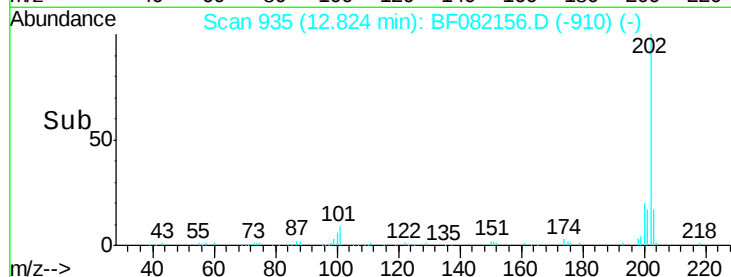
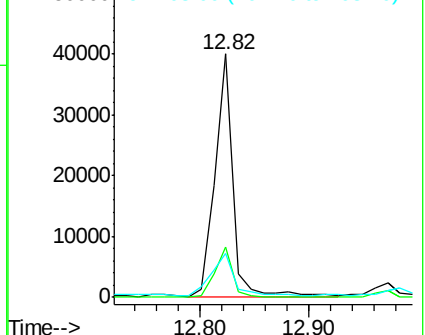
203 18.2 14.1 21.1



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: 138.94 ng

RT: 12.97 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

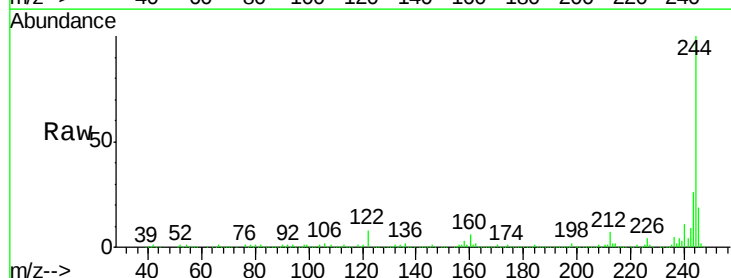
Tgt Ion:244 Resp: 820358

Ion Ratio Lower Upper

244 100

212 6.9 4.3 6.5#

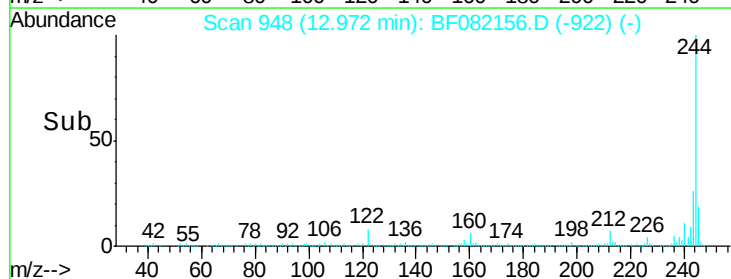
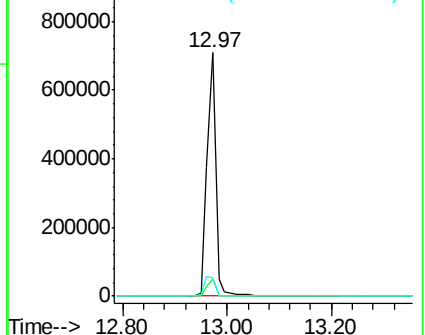
122 7.6 17.4 26.2#

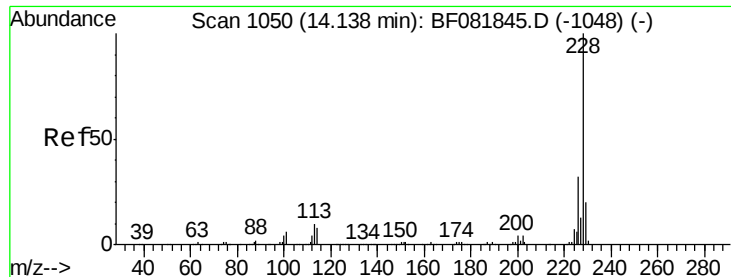


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.27 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

Instrument :

BNA_F

ClientSampleId :

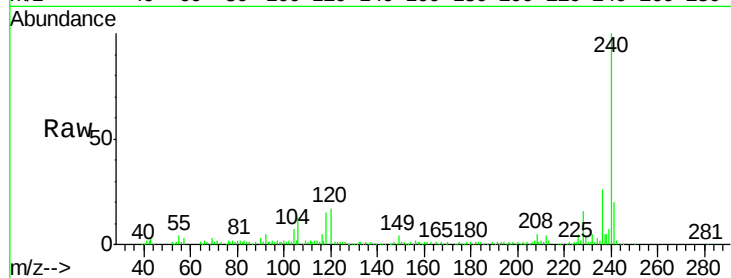
Tot Ion:228 Resp: 22683

Ion Ratio Lower Upper

228 100

226 30.6 21.0 31.4

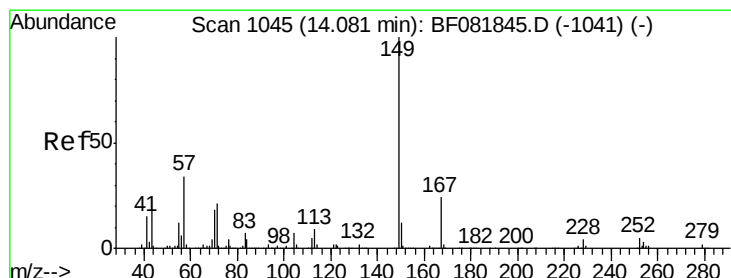
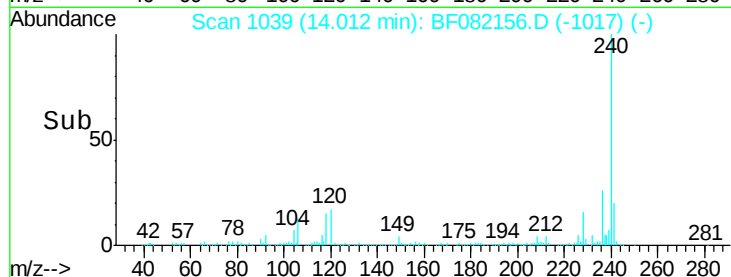
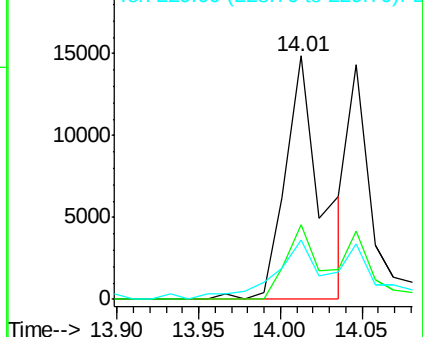
229 24.1 15.6 23.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 31.29 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF082156.D

Acq: 9 Oct 2015 20:43

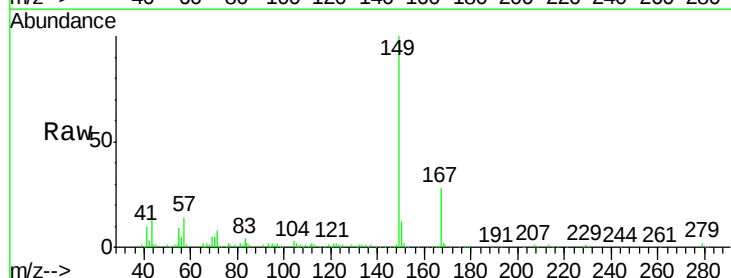
Tgt Ion:149 Resp: 202405

Ion Ratio Lower Upper

149 100

167 27.5 24.2 36.2

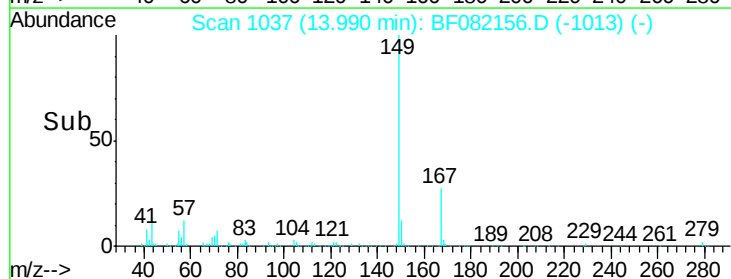
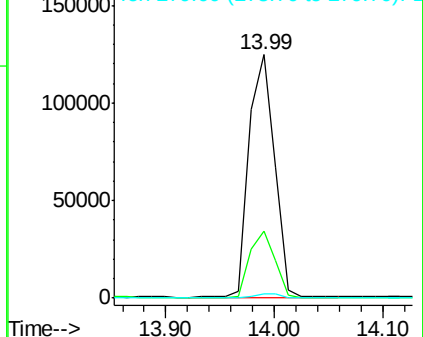
279 1.9 3.8 5.6#

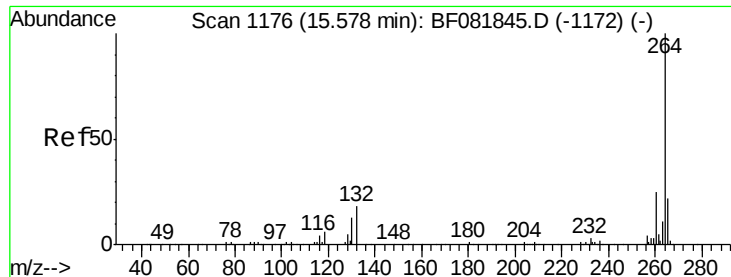


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

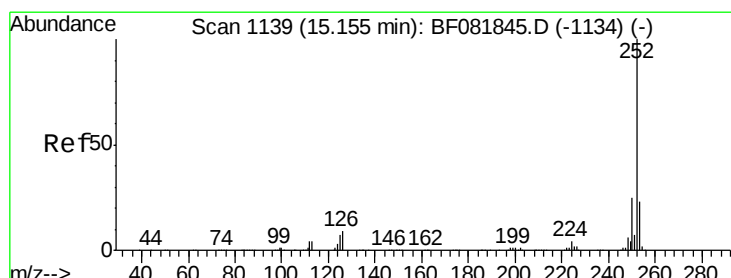
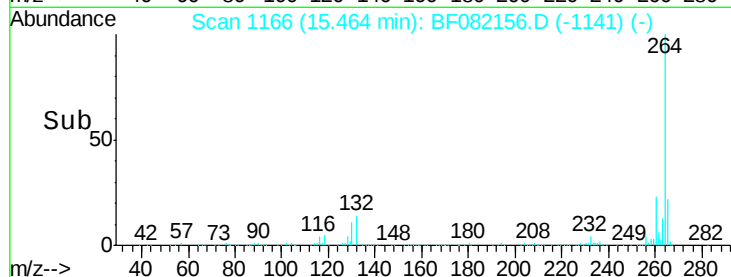
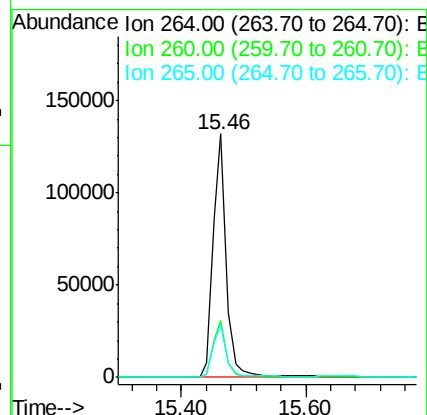
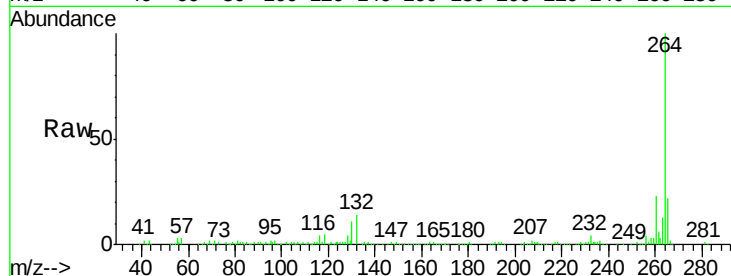




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

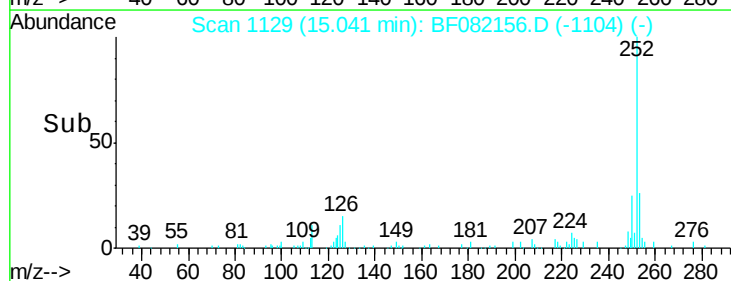
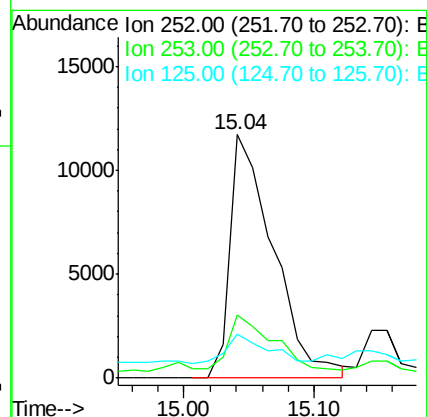
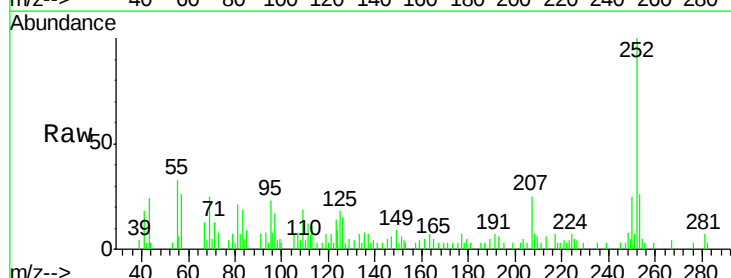
Instrument :
BNA_F
ClientSampleId :

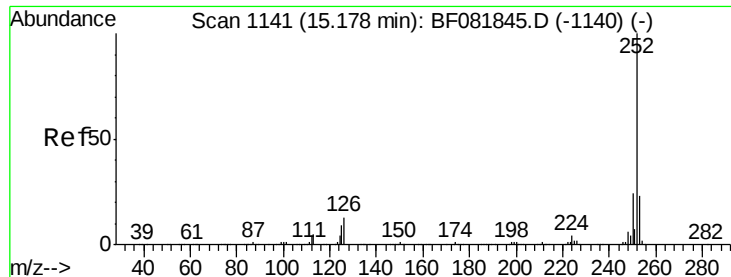
Tot Ion:264 Resp: 194765
Ion Ratio Lower Upper
264 100
260 23.3 16.7 25.1
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.44 ng
RT: 15.04 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF082156.D
Acq: 9 Oct 2015 20:43

Tgt Ion:252 Resp: 27102
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 17.9 17.1 25.7

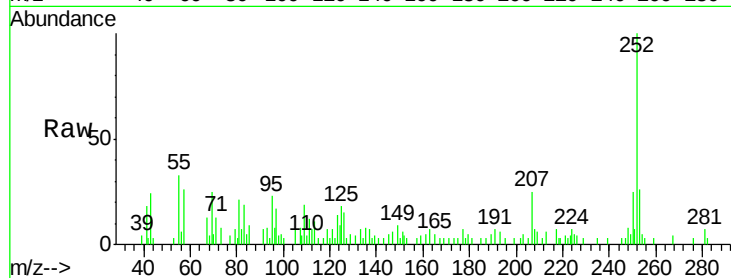




#88
 Benzo(k)fluoranthene
 Concen: 2.66 ng
 RT: 15.04 min Scan# 1129
 Delta R.T. -0.05 min
 Lab File: BF082156.D
 Acq: 9 Oct 2015 20:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.0	25.4#
125	17.9	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

