

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090415\
 Data File : BF081460.D
 Acq On : 5 Sep 2015 12:44
 Operator : UM/IZ
 Sample : G3511-09
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 07 02:49:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 07 02:47:26 2015
 Response via : Initial Calibration

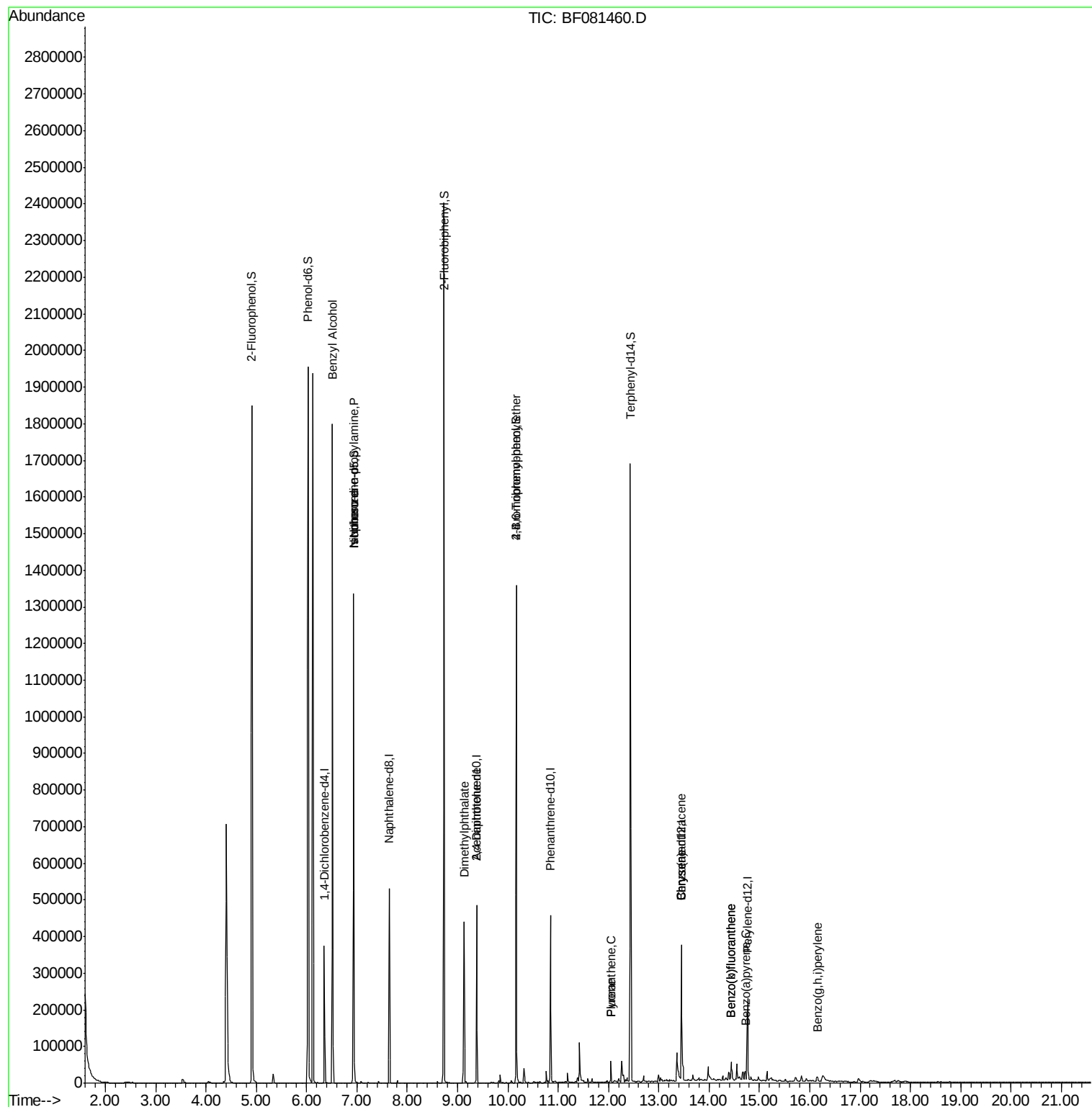
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	54703	20.00	ng	-0.01
21) Naphthalene-d8	7.64	136	216205	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	96822	20.00	ng	-0.01
63) Phenanthrene-d10	10.84	188	185757	20.00	ng	-0.01
75) Chrysene-d12	13.45	240	137377	20.00	ng	-0.01
86) Perylene-d12	14.77	264	105183	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	531337	150.70	ng	0.02
7) Phenol-d6	6.03	99	747244	160.11	ng	0.00
23) Nitrobenzene-d5	6.94	82	443694	99.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.17	330	128937	149.56	ng	-0.01
44) 2-Fluorobiphenyl	8.73	172	737737	97.64	ng	0.00
78) Terphenyl-d14	12.43	244	615683	104.33	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.51	79	7694	2.01	ng	# 31
19) n-Nitroso-di-n-propylamine	6.94	70	62093	19.55	ng	# 62
25) Isophorone	6.94	82	323013	38.75	ng	# 58
49) Dimethylphthalate	9.13	163	163848	21.78	ng	# 97
56) 2,4-Dinitrotoluene	9.38	165	12197	5.61	ng	# 31
66) 4-Bromophenyl-phenylether	10.17	248	10317	5.49	ng	# 1
74) Fluoranthene	12.05	202	26332	2.36	ng	87
77) Pyrene	12.05	202	26332	2.59	ng	98
80) Benzo(a)anthracene	13.45	228	18121	2.07	ng	98
82) Chrysene	13.45	228	18121	2.31	ng	98
87) Benzo(b)fluoranthene	14.43	252	34754	4.63	ng	# 86
88) Benzo(k)fluoranthene	14.43	252	34754	5.58	ng	# 87
89) Benzo(a)pyrene	14.72	252	13905	2.19	ng	# 83
91) Benzo(a,h,i)perylene	16.15	276	10830	2.31	ng	# 74

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

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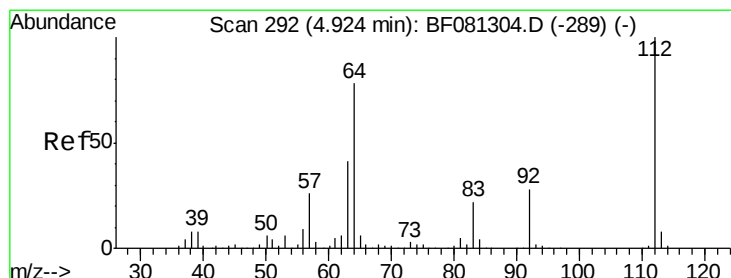
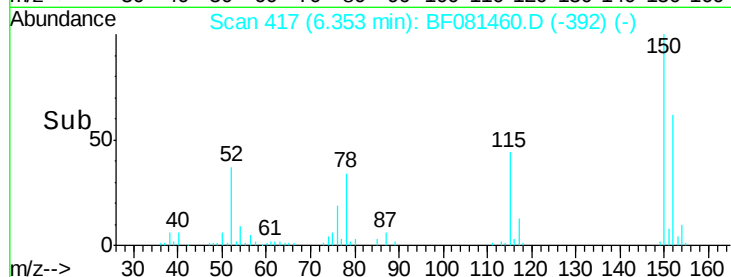
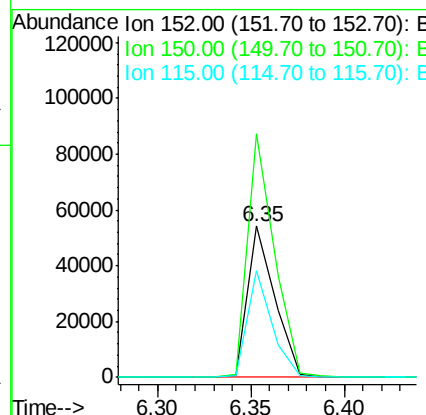
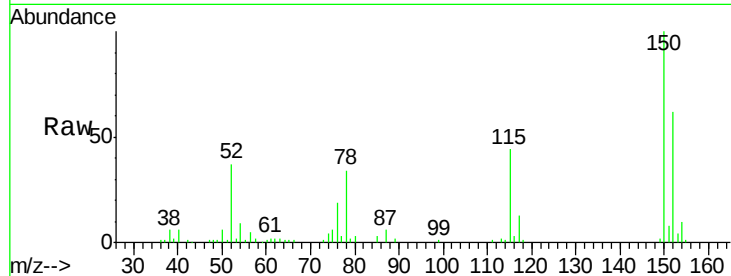


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF081460.D
Acq: 5 Sep 2015 12:44

Instrument :
BNA_F
ClientSampleId :

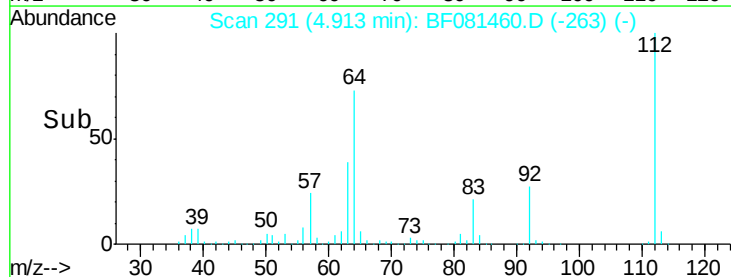
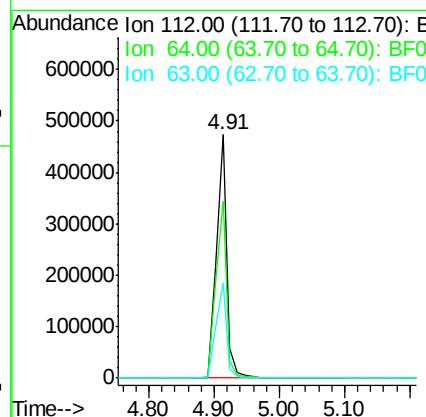
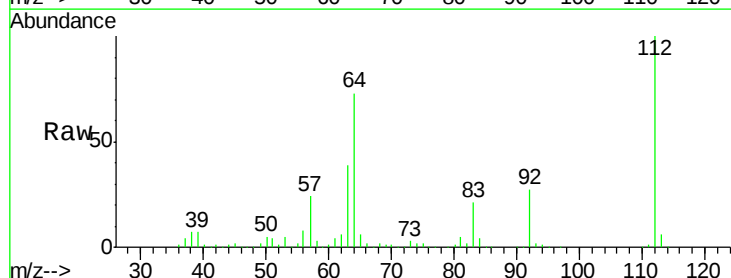
Tot Ion:152 Resp: 54703
Ion Ratio Lower Upper
152 100
150 161.0 124.7 187.1
115 70.6 39.0 58.4#

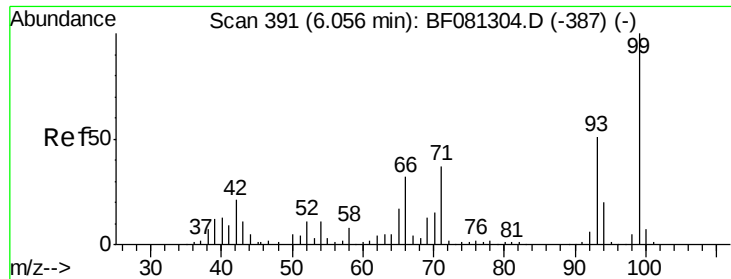


#5

2-Fluorophenol
Concen: 150.70 ng
RT: 4.91 min Scan# 291
Delta R.T. 0.02 min
Lab File: BF081460.D
Acq: 5 Sep 2015 12:44

Tgt Ion:112 Resp: 531337
Ion Ratio Lower Upper
112 100
64 72.6 39.7 59.5#
63 38.9 17.4 26.0#





#7

Phenol-d6

Concen: 160.11 ng

RT: 6.03 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

Instrument :

BNA_F

ClientSampled :

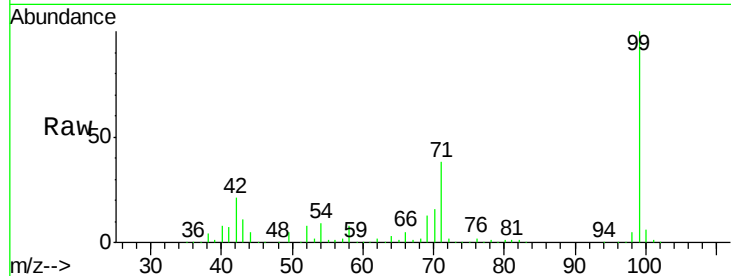
Tot Ion: 99 Resp: 747244

Ion Ratio Lower Upper

99 100

42 21.1 13.7 20.5#

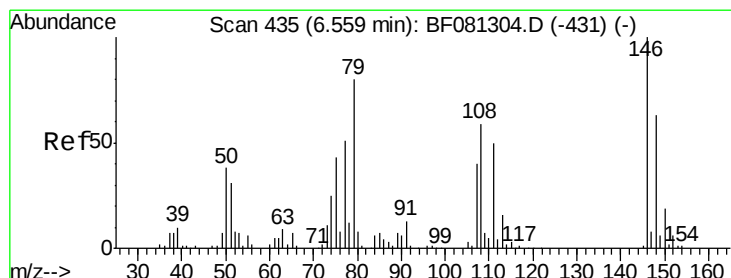
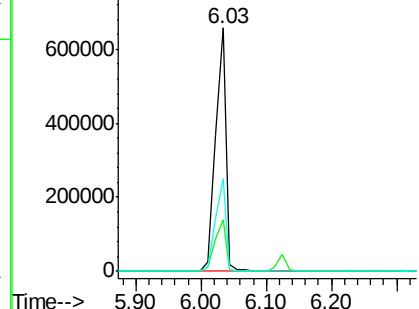
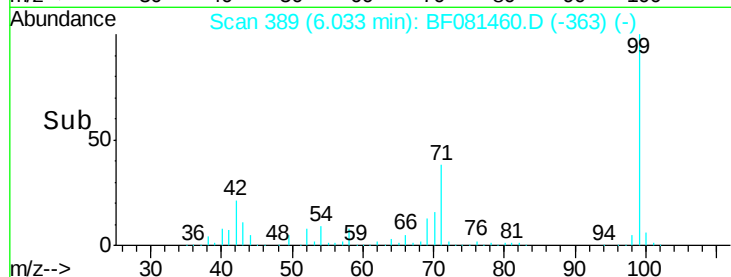
71 37.8 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

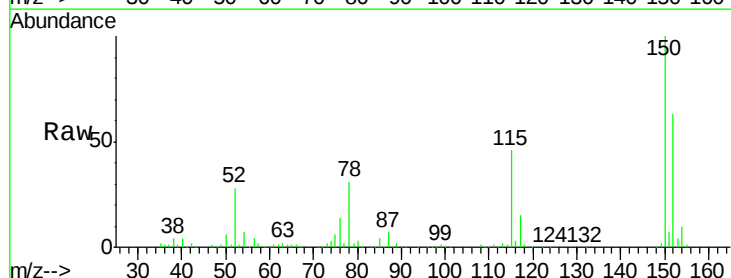
Tgt Ion: 79 Resp: 7694

Ion Ratio Lower Upper

79 100

108 25.7 88.6 132.8#

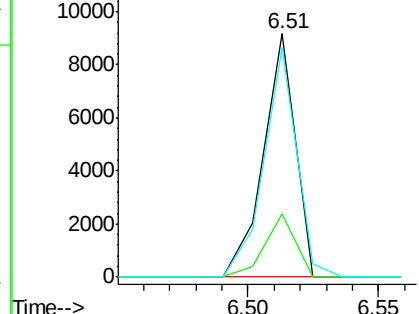
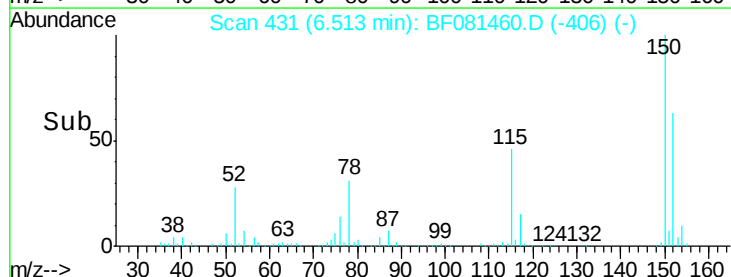
77 94.3 47.0 70.4#

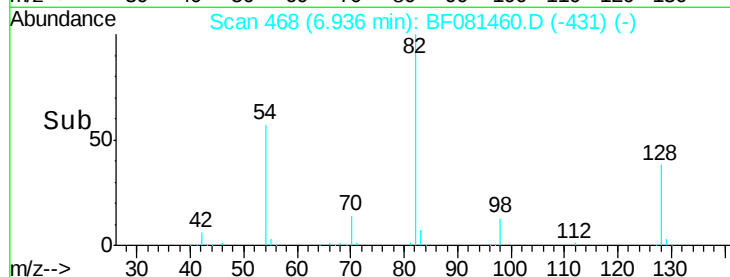
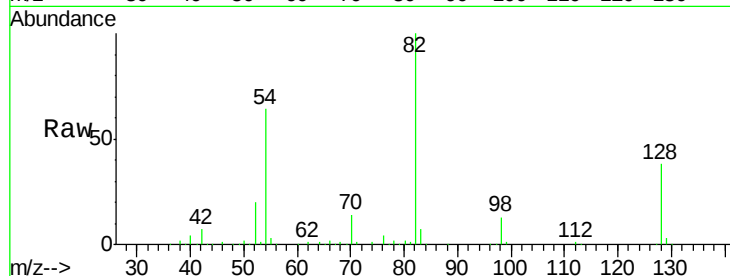
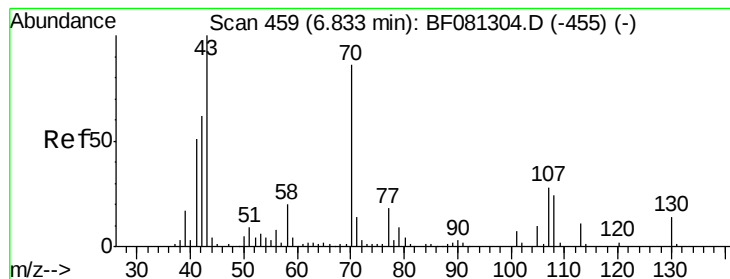


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 19.55 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.13 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 62093

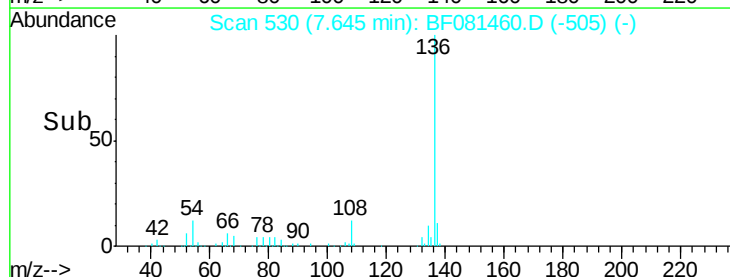
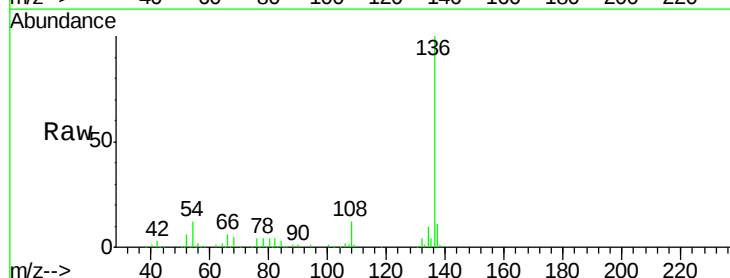
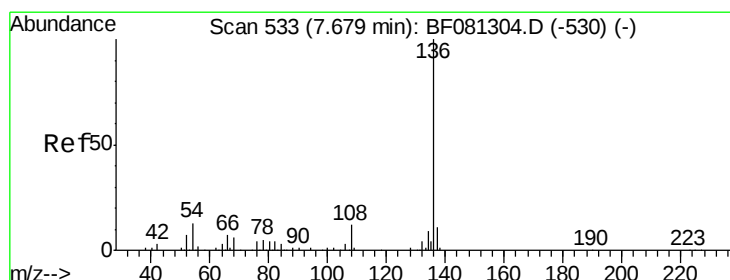
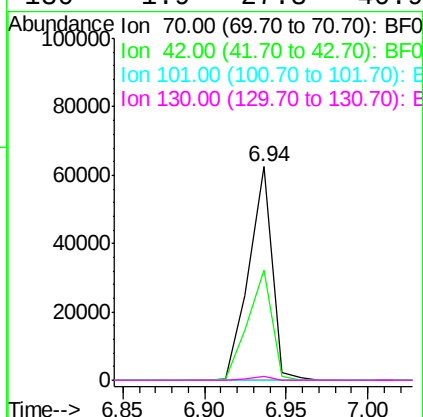
Ion Ratio Lower Upper

70 100

42 51.5 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

Tgt Ion: 136 Resp: 216205

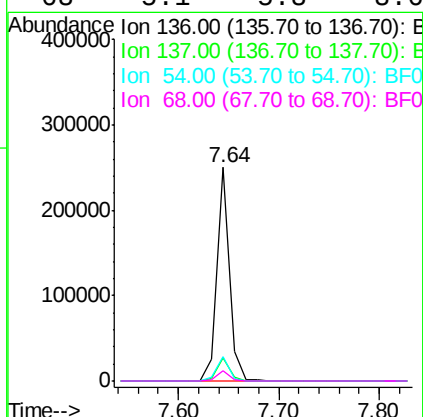
Ion Ratio Lower Upper

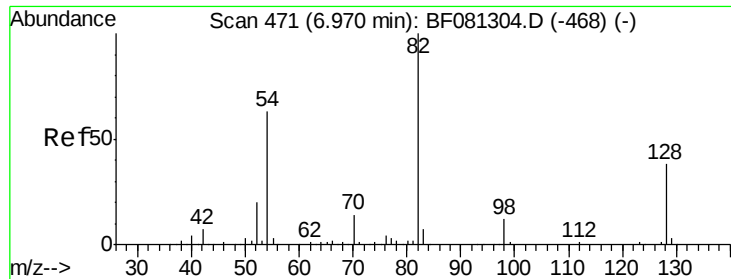
136 100

137 11.0 9.0 13.6

54 11.6 8.2 12.2

68 5.1 5.8 8.6#

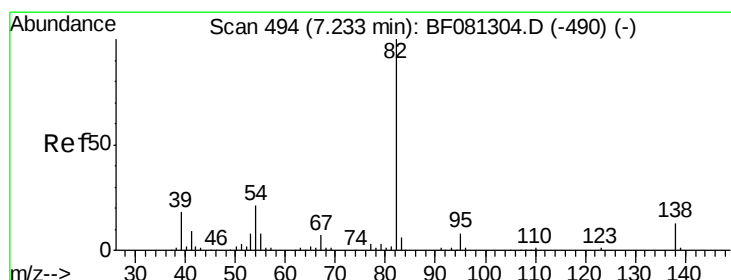
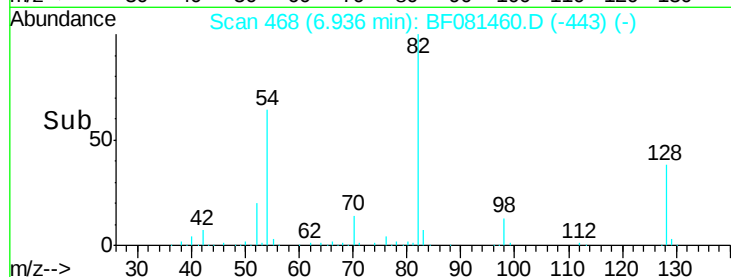
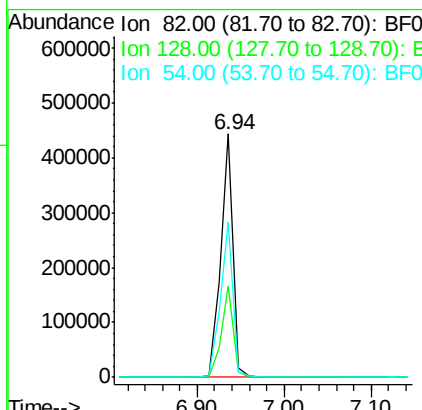
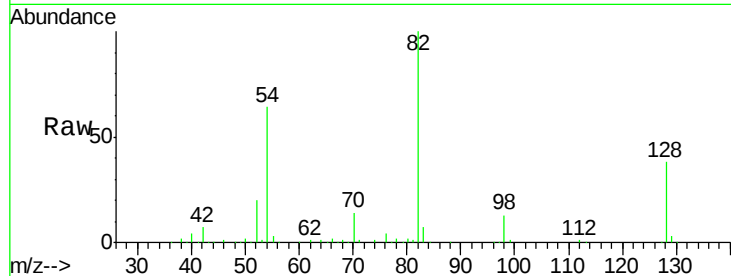




#23
 Nitrobenzene-d5
 Concen: 99.01 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF081460.D
 Acq: 5 Sep 2015 12:44

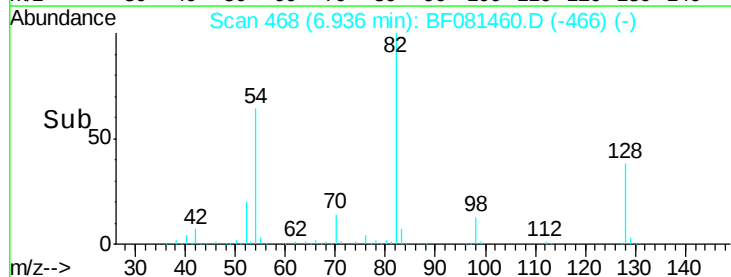
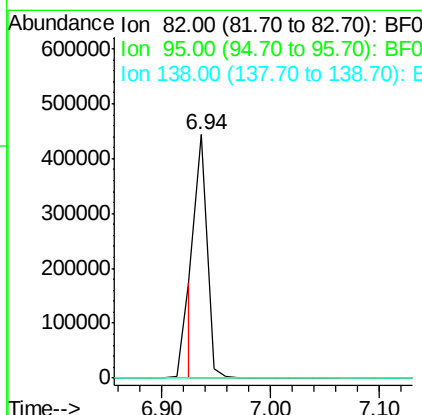
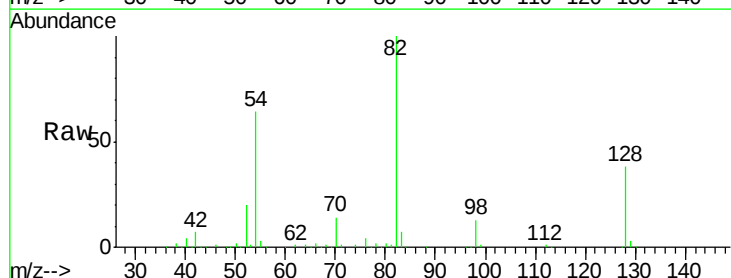
Instrument :
 BNA_F
 ClientSampled :

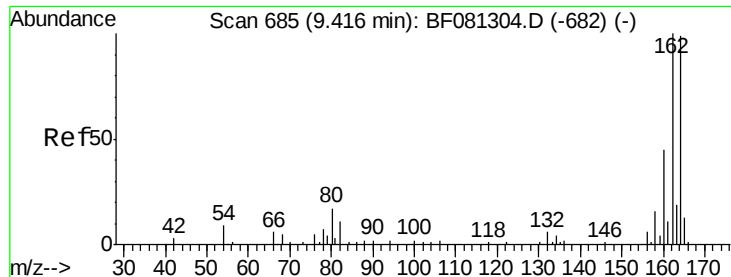
Tot Ion: 82 Resp: 443694
 Ion Ratio Lower Upper
 82 100
 128 37.5 51.0 76.6#
 54 63.9 47.5 71.3



#25
 Isophorone
 Concen: 38.75 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.27 min
 Lab File: BF081460.D
 Acq: 5 Sep 2015 12:44

Tgt Ion: 82 Resp: 323013
 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: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

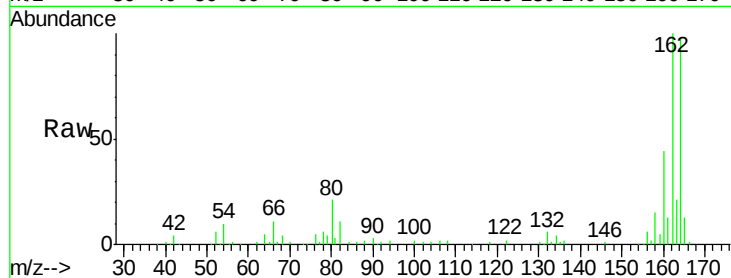
Tot Ion:164 Resp: 96822

Ion Ratio Lower Upper

164 100

162 101.6 75.2 112.8

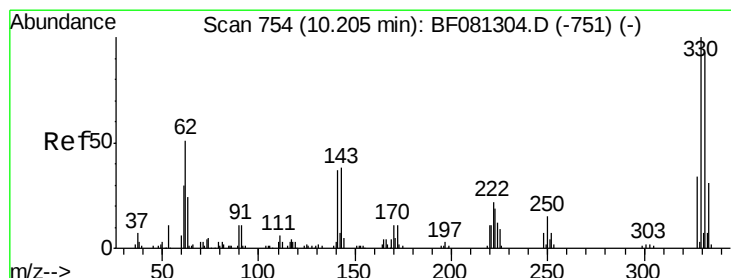
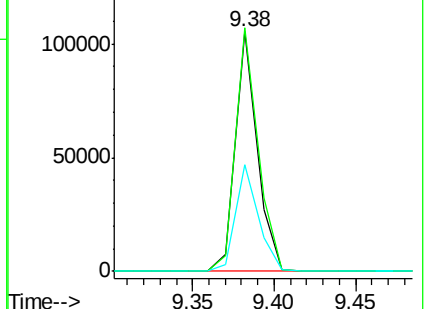
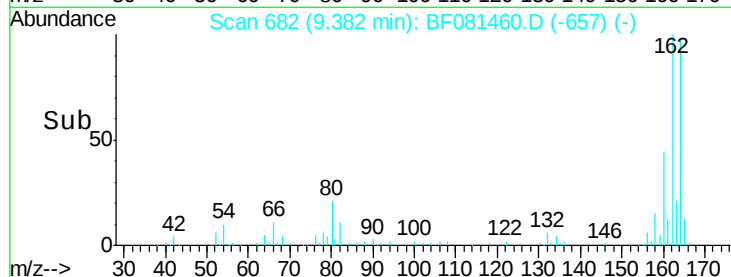
160 44.6 31.5 47.3



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: 149.56 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

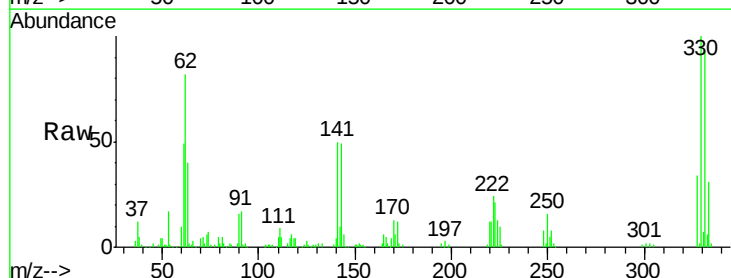
Tgt Ion:330 Resp: 128937

Ion Ratio Lower Upper

330 100

332 94.4 76.6 114.8

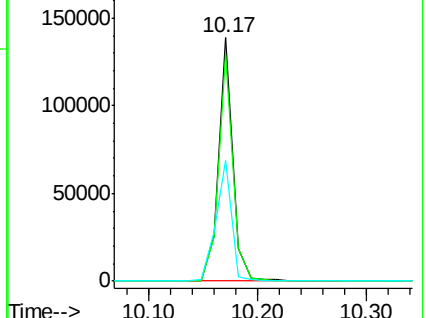
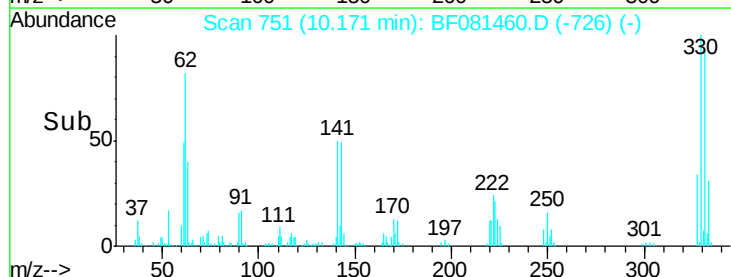
141 54.1 29.7 44.5#

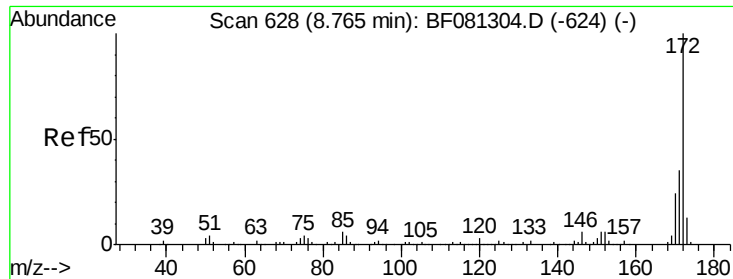


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

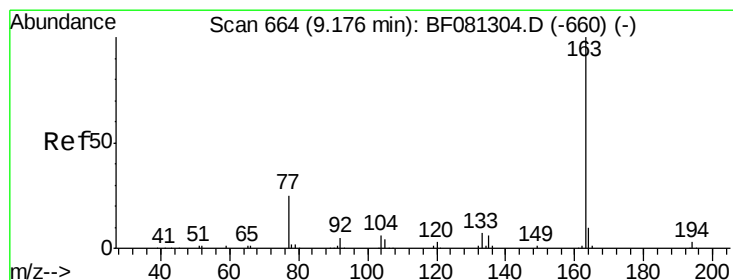
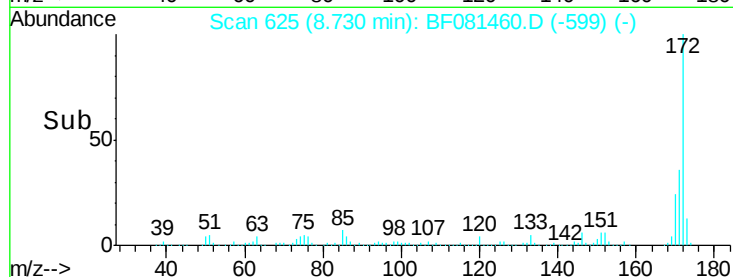
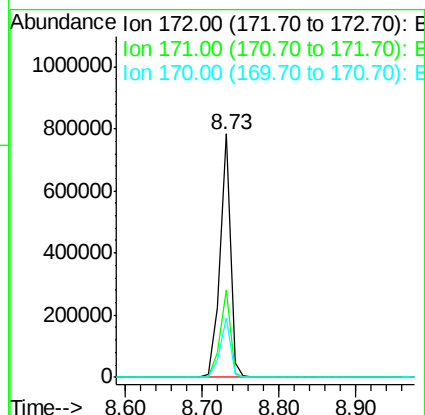
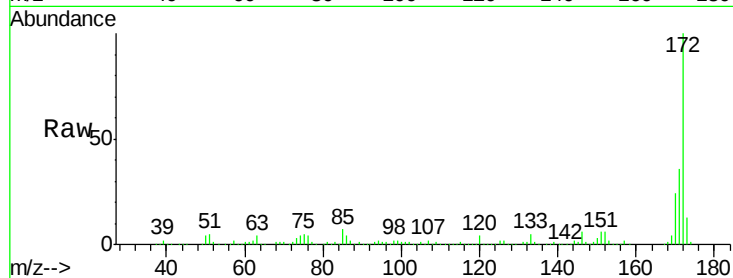




#44
2-Fluorobiphenyl
Concen: 97.64 ng
RT: 8.73 min Scan# 625
Delta R.T. 0.00 min
Lab File: BF081460.D
Acq: 5 Sep 2015 12:44

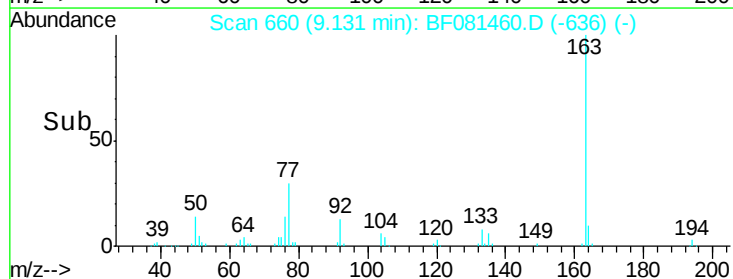
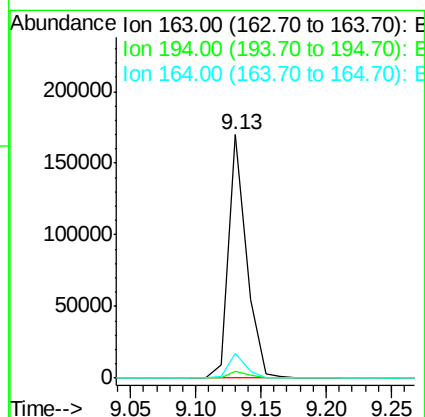
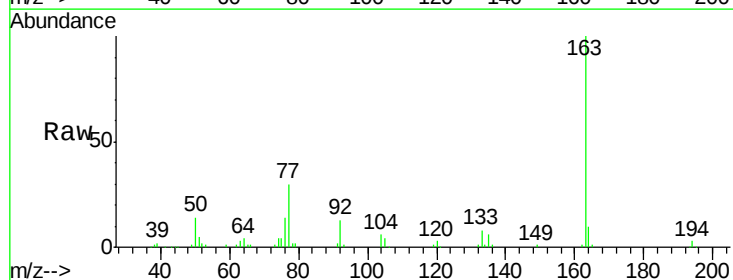
Instrument :
BNA_F
ClientSampleId :

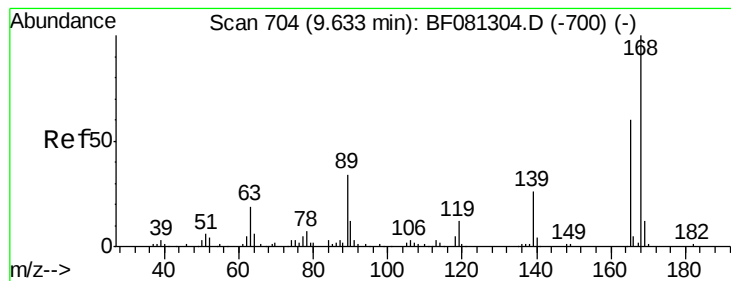
Tot Ion:172 Resp: 737737
Ion Ratio Lower Upper
172 100
171 35.9 26.1 39.1
170 24.3 17.4 26.2



#49
Dimethylphthalate
Concen: 21.78 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF081460.D
Acq: 5 Sep 2015 12:44

Tgt Ion:163 Resp: 163848
Ion Ratio Lower Upper
163 100
194 2.9 4.4 6.6#
164 10.0 8.3 12.5





#56

2,4-Dinitrotoluene

Concen: 5.61 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.22 min

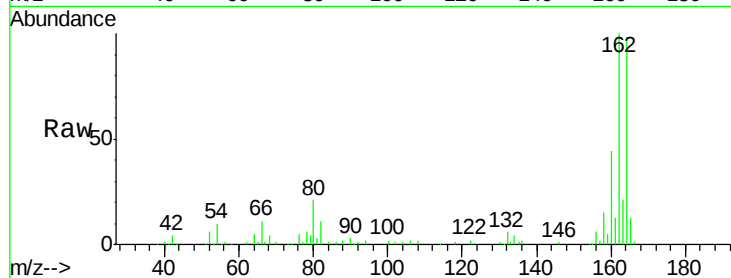
Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :



Tot Ion:165 Resp: 12197

Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

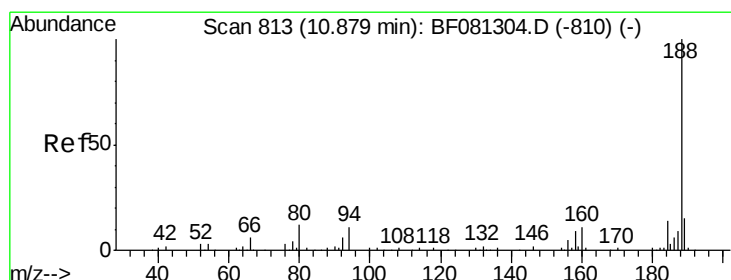
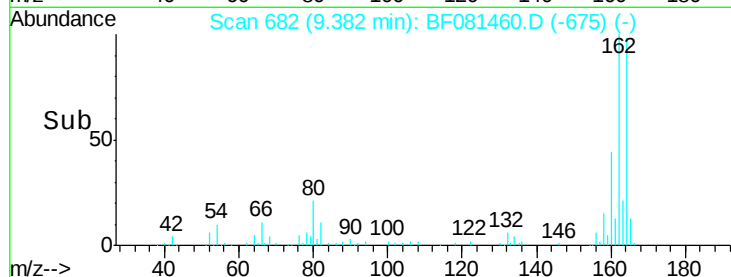
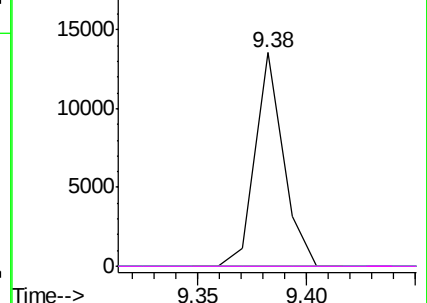
182 0.0 3.0 4.4#

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: 10.84 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

Tgt Ion:188 Resp: 185757

Ion Ratio Lower Upper

188 100

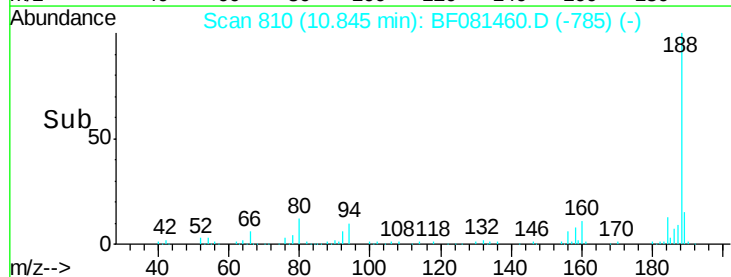
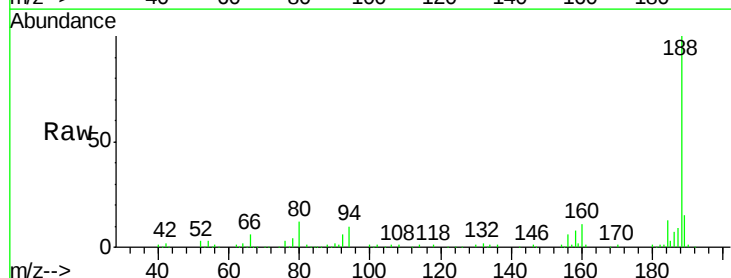
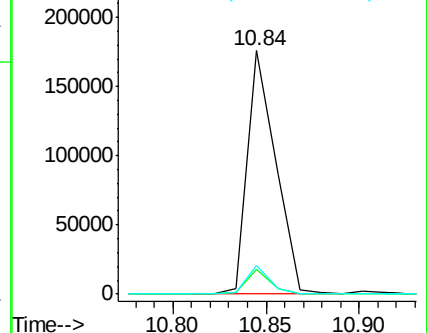
94 10.2 11.1 16.7#

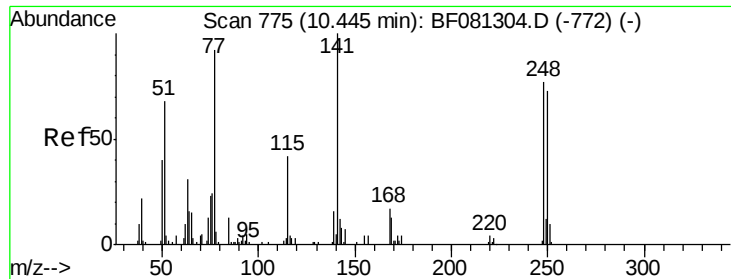
80 11.6 11.0 16.4

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





#66

4-Bromophenyl-phenylether

Concen: 5.49 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

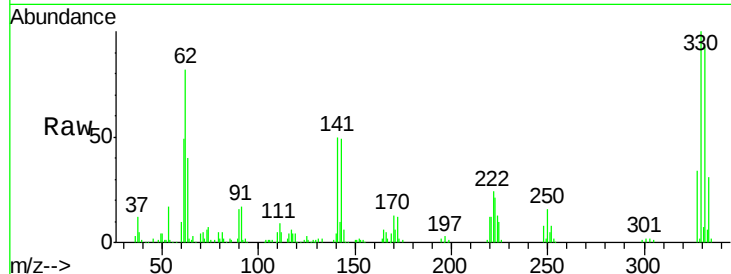
Tot Ion:248 Resp: 10317

Ion Ratio Lower Upper

248 100

250 188.5 78.5 117.7#

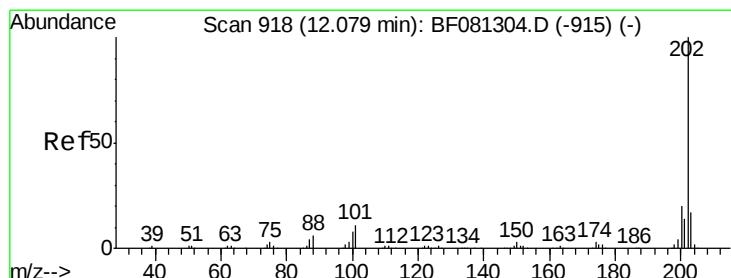
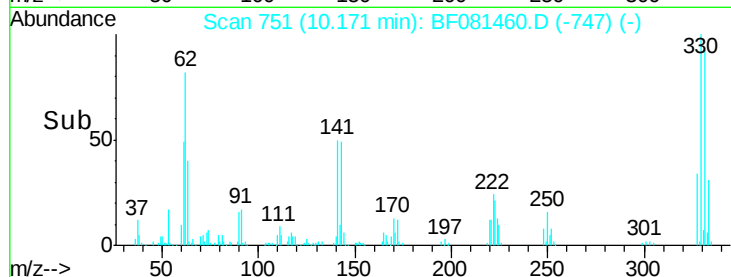
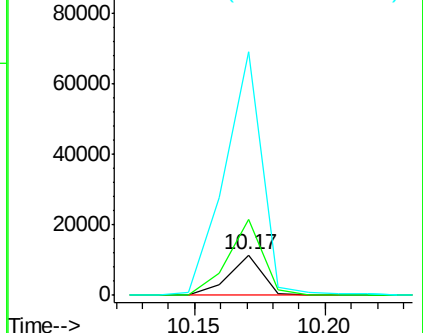
141 600.8 59.0 88.6#



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: 2.36 ng

RT: 12.05 min Scan# 915

Delta R.T. 0.00 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

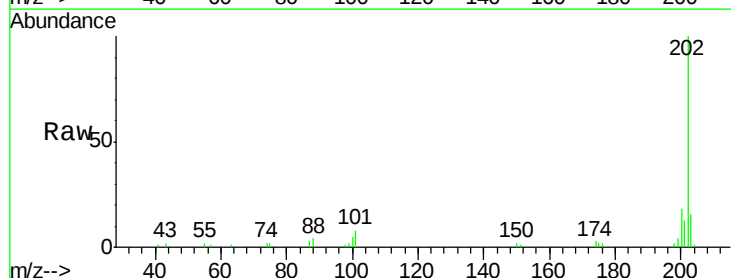
Tgt Ion:202 Resp: 26332

Ion Ratio Lower Upper

202 100

101 8.4 0.0 38.3

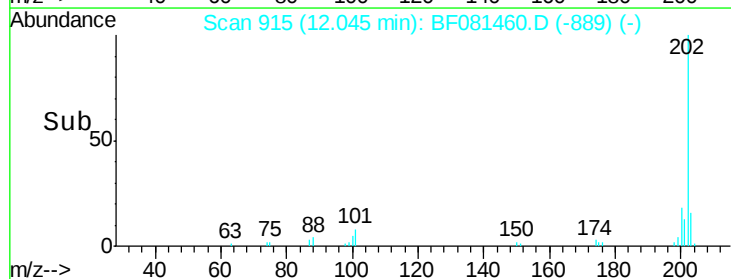
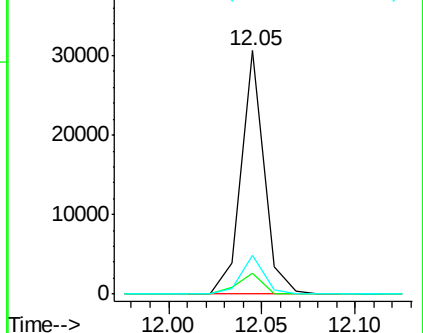
203 16.1 0.0 37.3

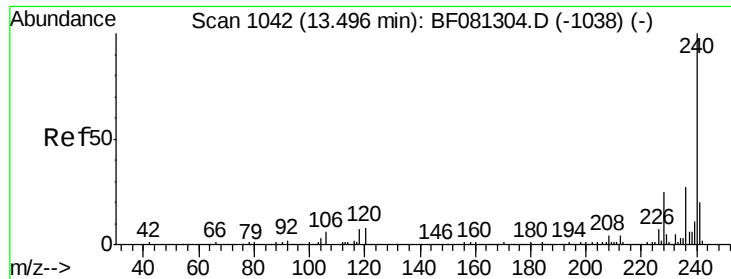


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

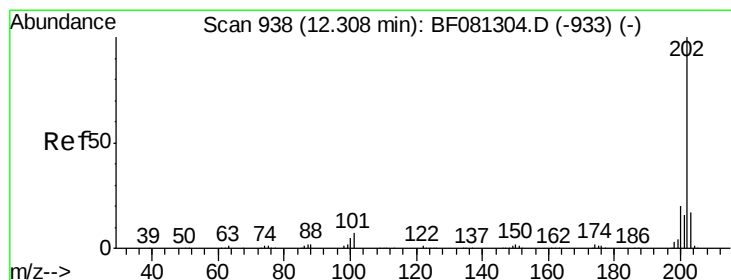
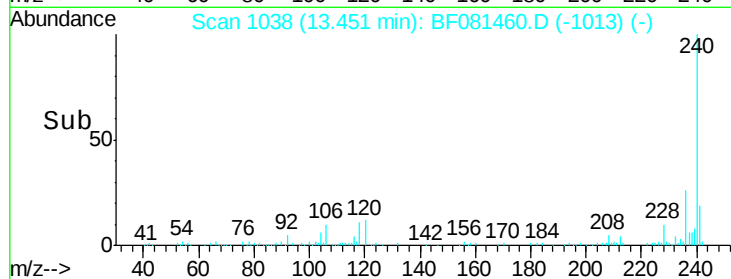
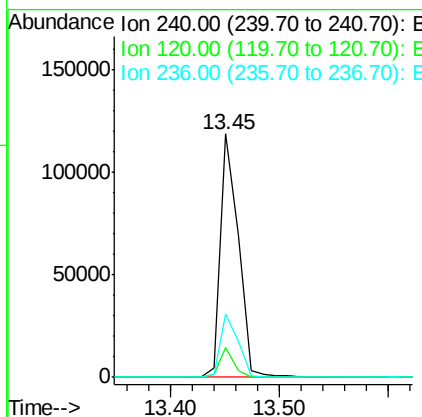
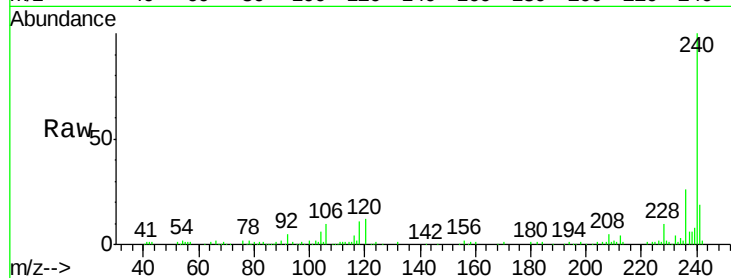




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.45 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF081460.D
Acq: 5 Sep 2015 12:44

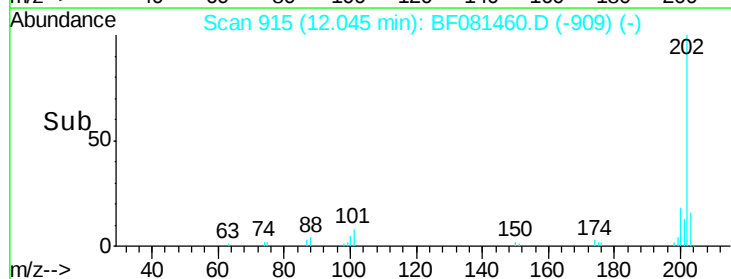
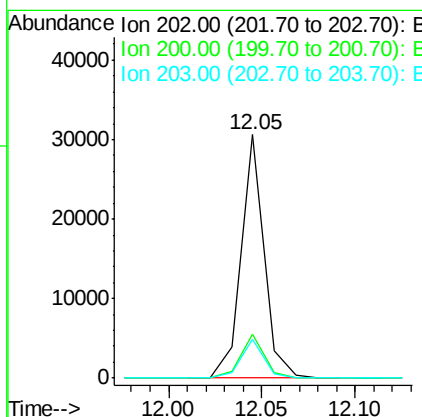
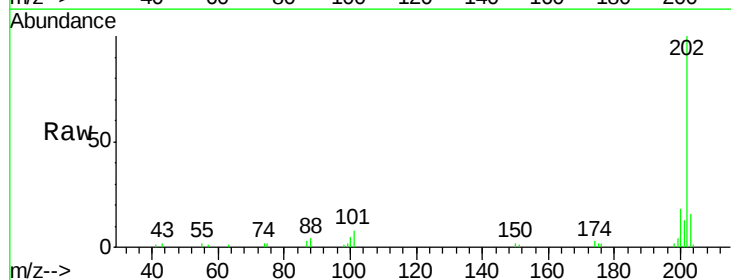
Instrument :
BNA_F
ClientSampleId :

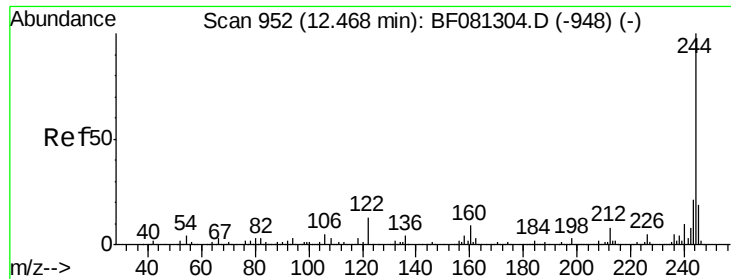
Tot Ion:240 Resp: 137377
Ion Ratio Lower Upper
240 100
120 12.5 16.2 24.2#
236 25.9 18.4 27.6



#77
Pyrene
Concen: 2.59 ng
RT: 12.05 min Scan# 915
Delta R.T. -0.23 min
Lab File: BF081460.D
Acq: 5 Sep 2015 12:44

Tgt Ion:202 Resp: 26332
Ion Ratio Lower Upper
202 100
200 18.2 15.0 22.4
203 16.1 14.1 21.1

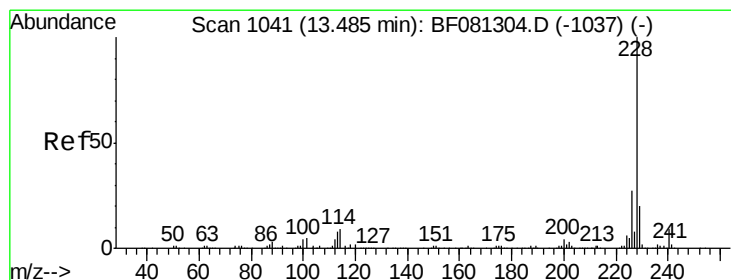
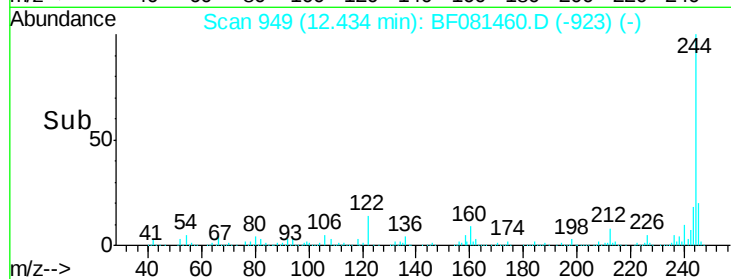
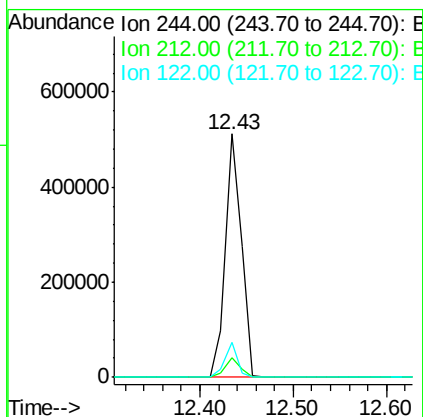
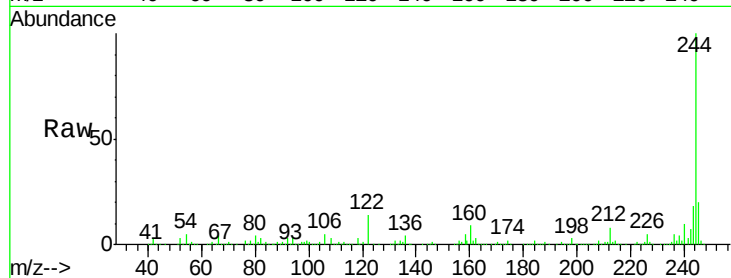




#78
 Terphenyl-d14
 Concen: 104.33 ng
 RT: 12.43 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: BF081460.D
 Acq: 5 Sep 2015 12:44

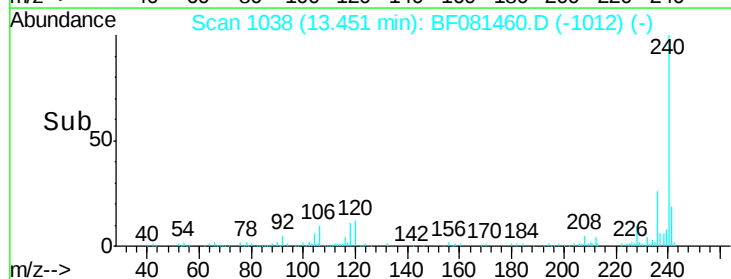
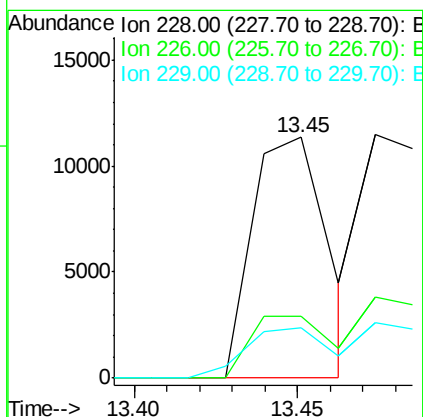
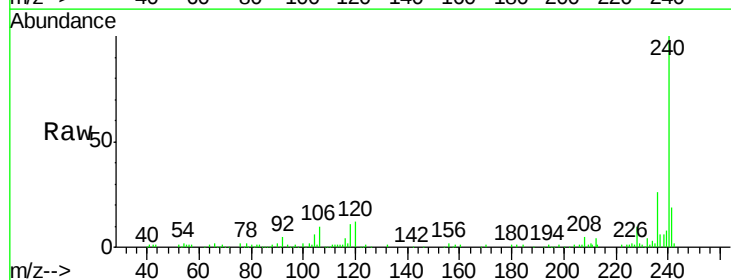
Instrument :
 BNA_F
 ClientSampleId :

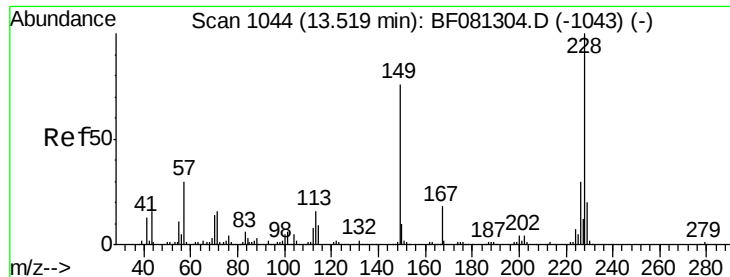
Tot Ion:244 Resp: 615683
 Ion Ratio Lower Upper
 244 100
 212 8.3 4.3 6.5#
 122 14.1 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 2.07 ng
 RT: 13.45 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF081460.D
 Acq: 5 Sep 2015 12:44

Tgt Ion:228 Resp: 18121
 Ion Ratio Lower Upper
 228 100
 226 25.8 20.0 30.0
 229 20.8 15.4 23.2





#82

Chrysene

Concen: 2.31 ng

RT: 13.45 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

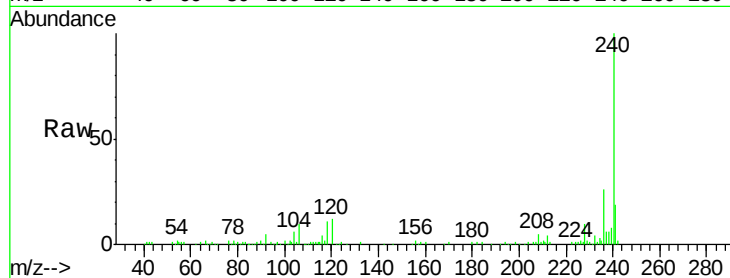
Tot Ion:228 Resp: 18121

Ion Ratio Lower Upper

228 100

226 25.8 21.0 31.4

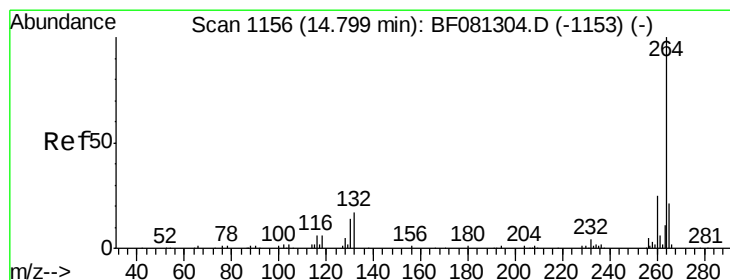
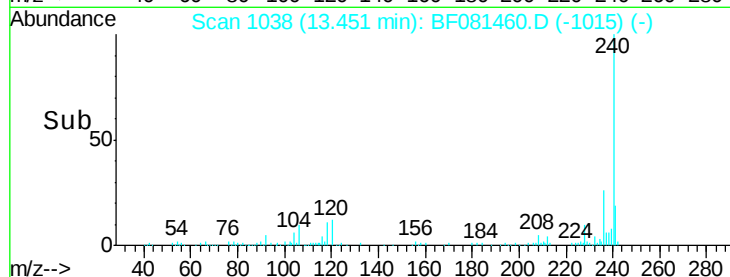
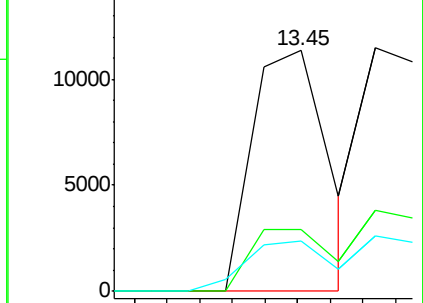
229 20.8 15.6 23.4



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: 14.77 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

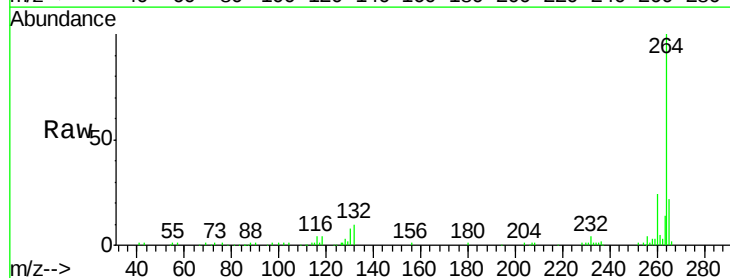
Tgt Ion:264 Resp: 105183

Ion Ratio Lower Upper

264 100

260 24.3 16.7 25.1

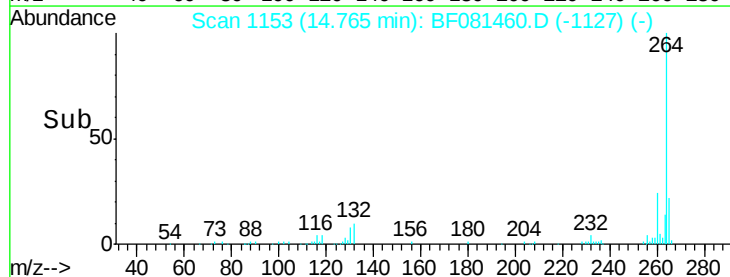
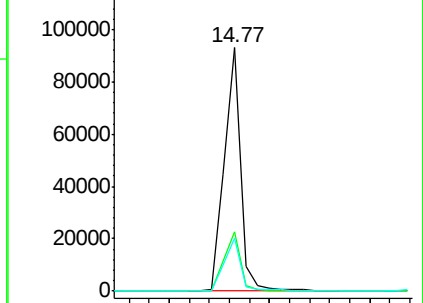
265 21.6 17.2 25.8

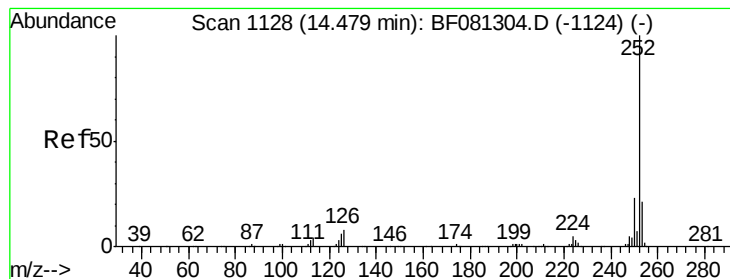


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.63 ng

RT: 14.43 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

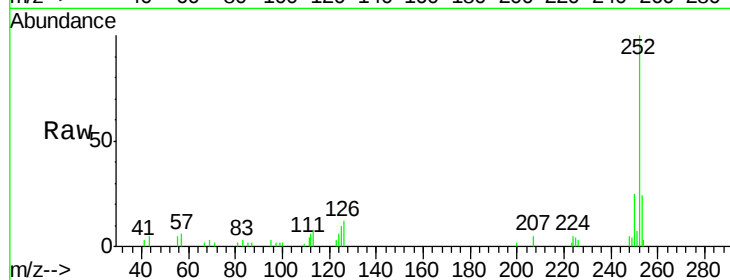
Tot Ion:252 Resp: 34754

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

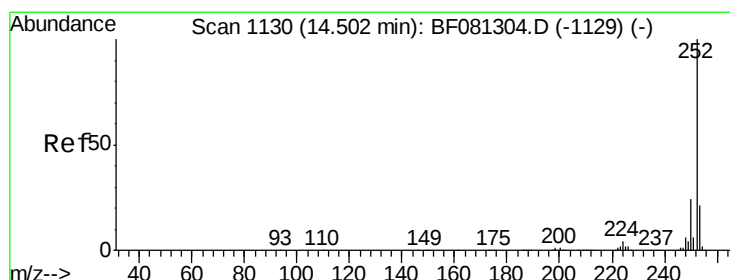
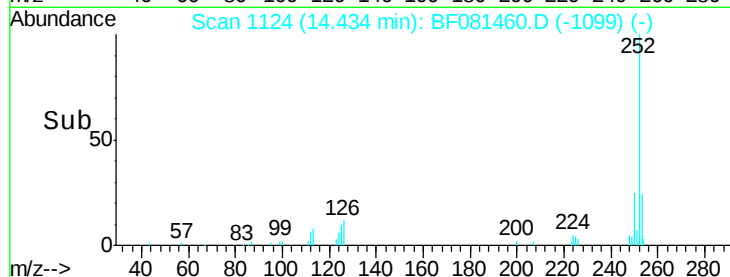
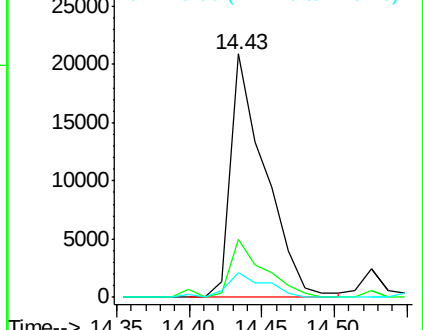
125 10.3 17.1 25.7#



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



#88

Benzo(k)fluoranthene

Concen: 5.58 ng

RT: 14.43 min Scan# 1124

Delta R.T. -0.03 min

Lab File: BF081460.D

Acq: 5 Sep 2015 12:44

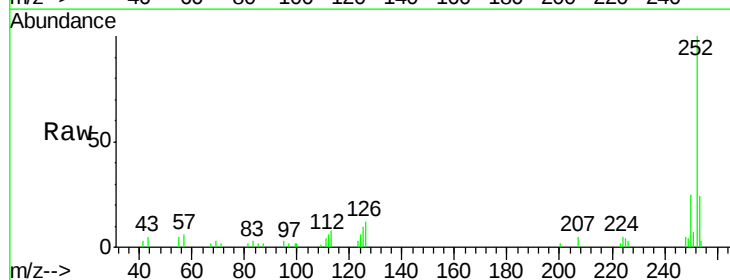
Tgt Ion:252 Resp: 34754

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.4

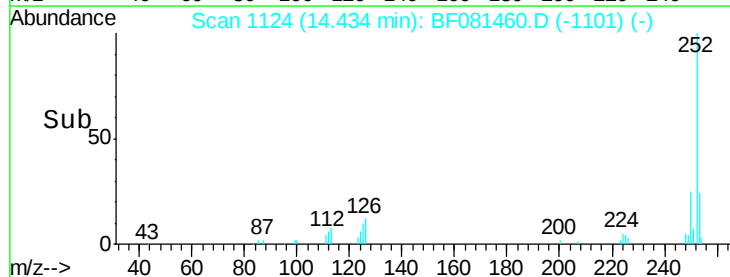
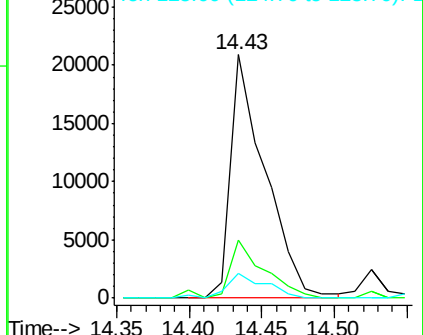
125 10.3 16.0 24.0#

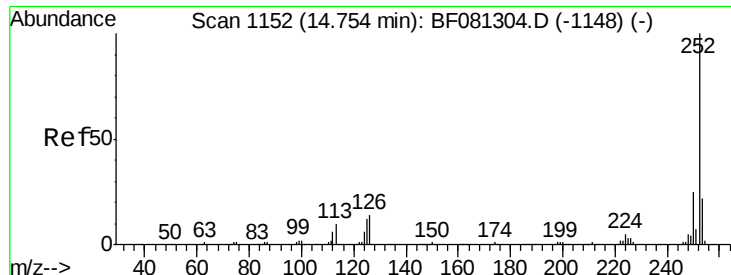


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

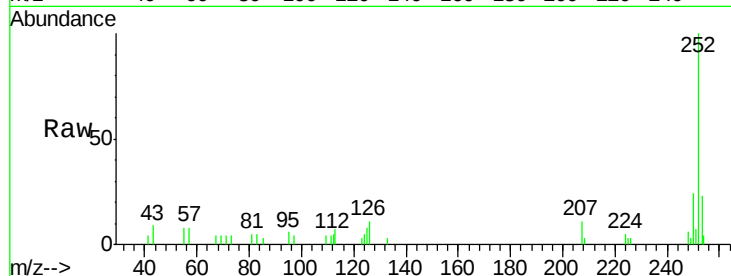




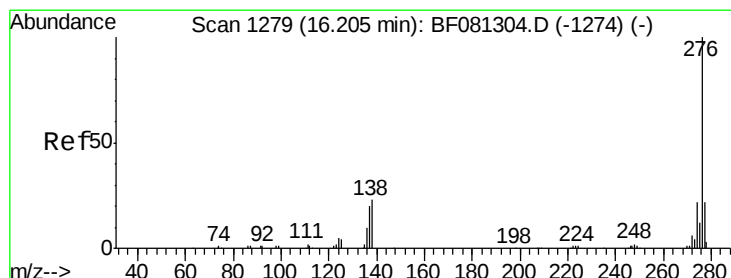
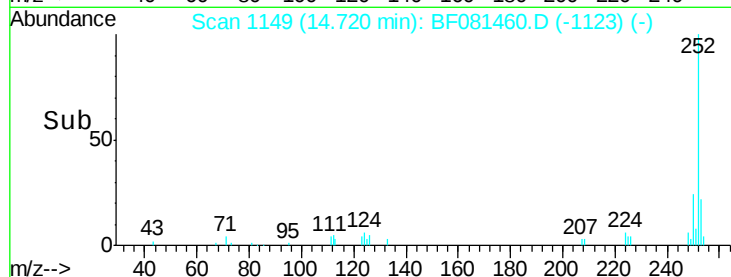
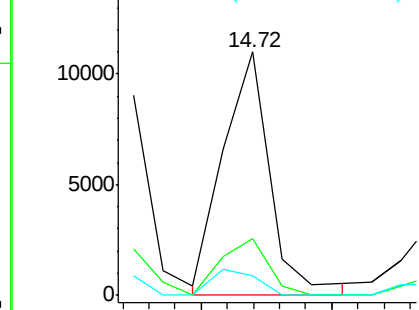
#89
Benzo(a)pyrene
Concen: 2.19 ng
RT: 14.72 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF081460.D
Acq: 5 Sep 2015 12:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 13905
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 7.9 18.0 27.0#

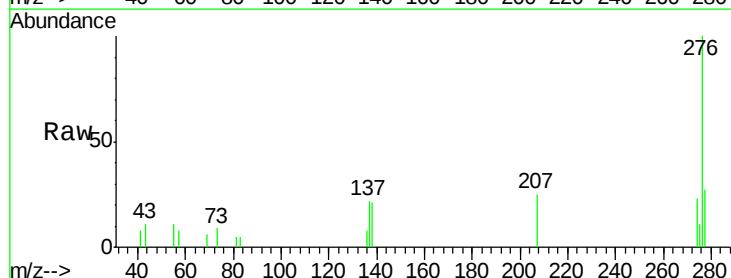


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.31 ng
RT: 16.15 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF081460.D
Acq: 5 Sep 2015 12:44

Tgt Ion:276 Resp: 10830
Ion Ratio Lower Upper
276 100
277 27.4 17.8 26.6#
138 21.1 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

