

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090315\
 Data File : BF081413.D
 Acq On : 4 Sep 2015 10:28
 Operator : UM/IZ
 Sample : G3505-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P005-TS01-01

Quant Time: Sep 04 11:56:23 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

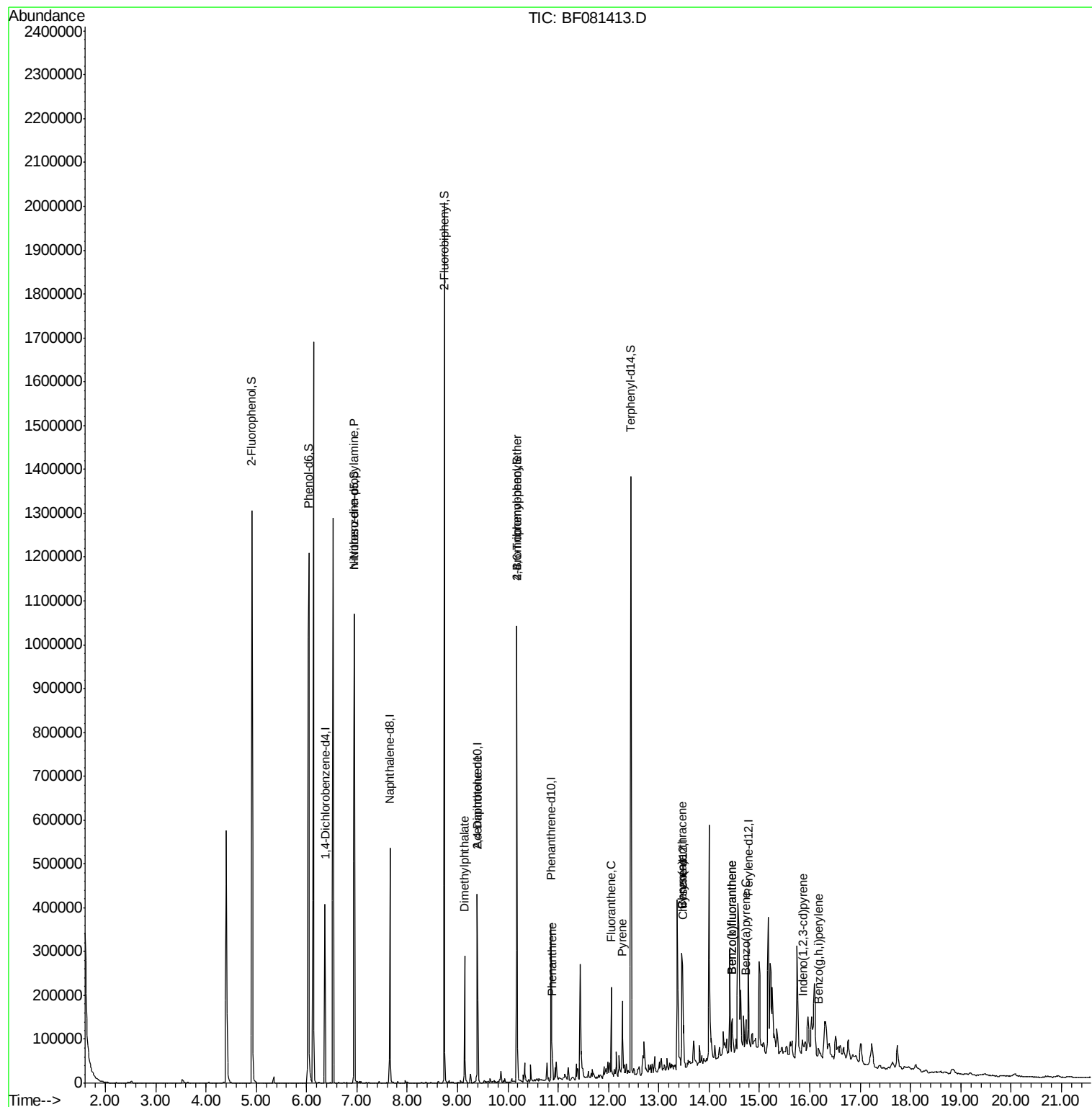
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.36	152	54531	20.00	ng	-0.02
21) Naphthalene-d8	7.66	136	210164	20.00	ng	-0.02
38) Acenaphthene-d10	9.39	164	91229	20.00	ng	-0.02
63) Phenanthrene-d10	10.86	188	169005	20.00	ng	-0.02
75) Chrysene-d12	13.47	240	105749	20.00	ng	-0.02
86) Perylene-d12	14.78	264	91241	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	361884	102.96	ng	-0.01
7) Phenol-d6	6.04	99	570792	122.69	ng	-0.01
23) Nitrobenzene-d5	6.95	82	374912	86.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.18	330	90699	111.66	ng	-0.02
44) 2-Fluorobiphenyl	8.74	172	573966	80.62	ng	-0.02
78) Terphenyl-d14	12.45	244	380592	83.78	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.95	70	50741	16.03	ng	# 60
49) Dimethylphthalate	9.14	163	103033	14.54	ng	# 97
56) 2,4-Dinitrotoluene	9.39	165	11296	5.51	ng	# 31
66) 4-Bromophenyl-phenylether	10.18	248	7312	4.28	ng	# 1
70) Phenanthrene	10.88	178	39521	4.21	ng	99
74) Fluoranthene	12.06	202	80709	7.93	ng	88
77) Pyrene	12.27	202	76321	9.74	ng	95
80) Benzo(a)anthracene	13.46	228	30919	4.59	ng	# 92
82) Chrysene	13.46	228	30919	5.12	ng	93
85) Indeno(1,2,3-cd)pyrene	15.86	276	15505	3.50	ng	# 90
87) Benzo(b)fluoranthene	14.46	252	51407	7.89	ng	# 87
88) Benzo(k)fluoranthene	14.46	252	51407	9.51	ng	# 87
89) Benzo(a)pyrene	14.73	252	25440	4.61	ng	# 86
91) Benzo(g,h,i)perylene	16.17	276	14607	3.59	ng	# 81

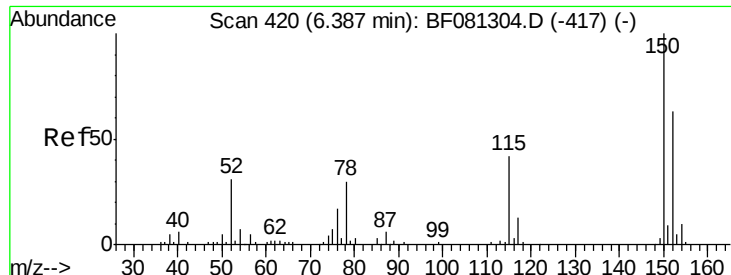
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090315\
Data File : BF081413.D
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Sample : G3505-08
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Time: Sep 04 11:56:23 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

Instrument :

BNA_F

ClientSampleId :

P005-TS01-01

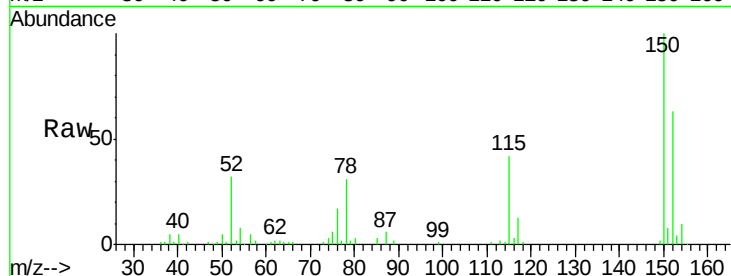
Tgt Ion:152 Resp: 54531

Ion Ratio Lower Upper

152 100

150 158.1 124.7 187.1

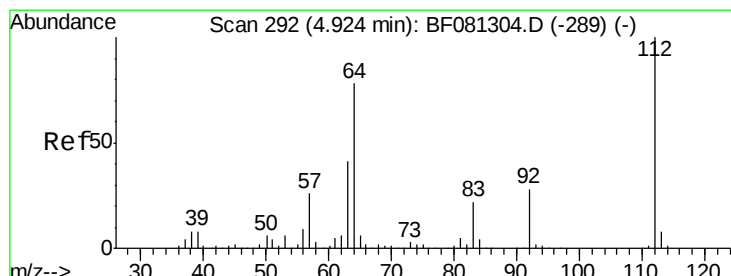
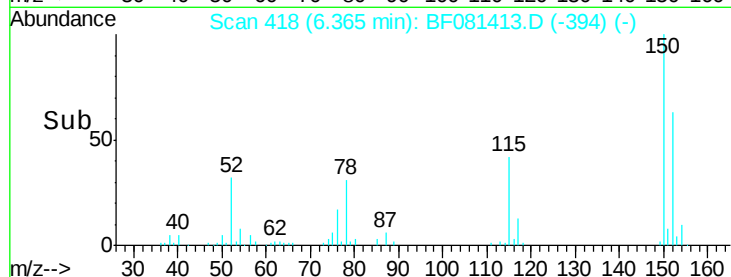
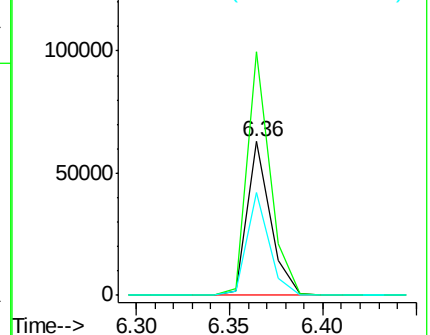
115 66.5 39.0 58.4#



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: 102.96 ng

RT: 4.91 min Scan# 291

Delta R.T. -0.01 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

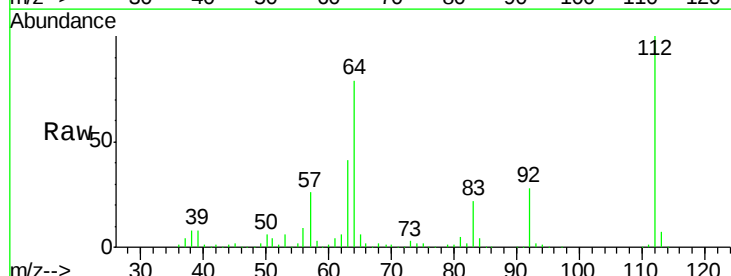
Tgt Ion:112 Resp: 361884

Ion Ratio Lower Upper

112 100

64 79.3 39.7 59.5#

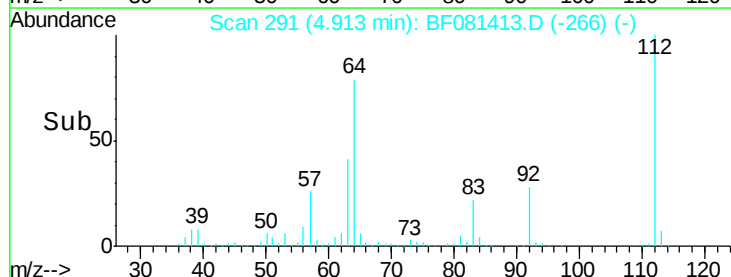
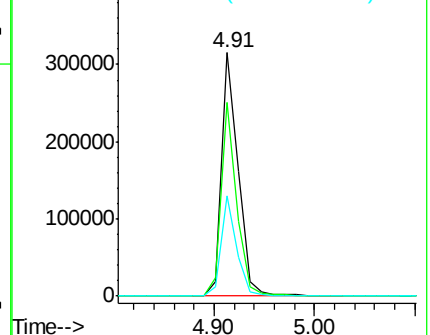
63 41.2 17.4 26.0#



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: 122.69 ng

RT: 6.04 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

Instrument :

BNA_F

ClientSampleId :

P005-TS01-01

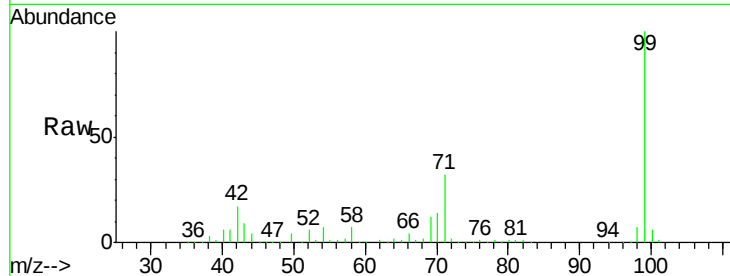
Tgt Ion: 99 Resp: 570792

Ion Ratio Lower Upper

99 100

42 16.8 13.7 20.5

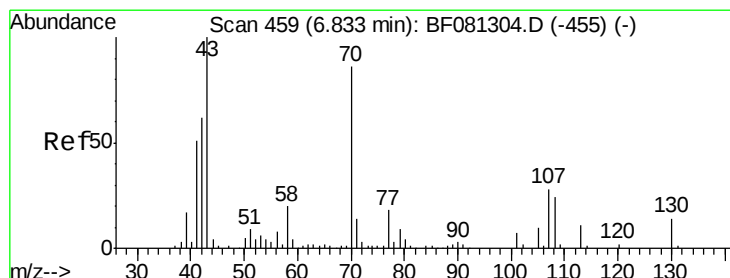
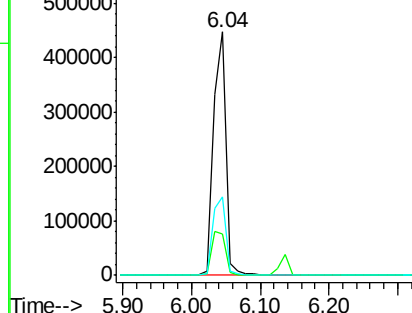
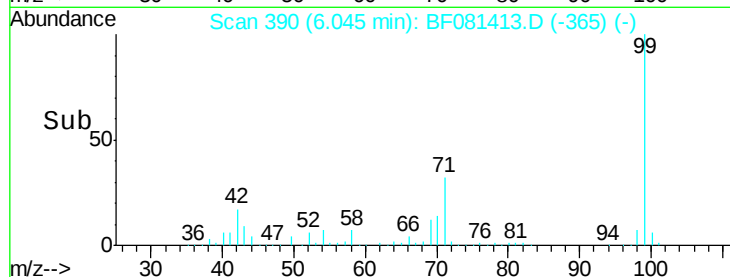
71 32.2 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.03 ng

RT: 6.95 min Scan# 469

Delta R.T. 0.11 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

Tgt Ion: 70 Resp: 50741

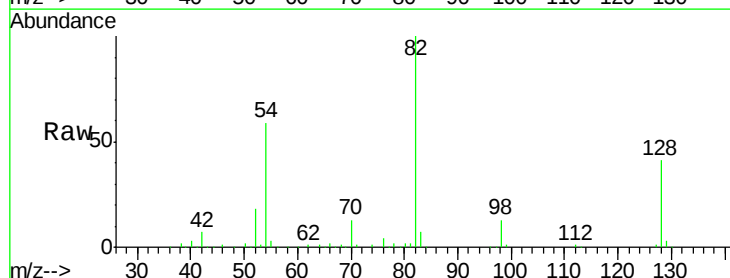
Ion Ratio Lower Upper

70 100

42 49.1 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 27.3 40.9#

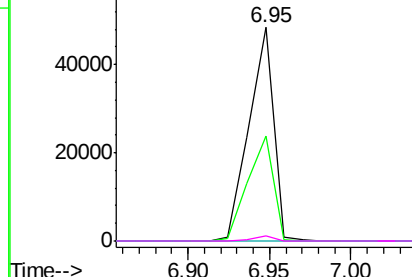
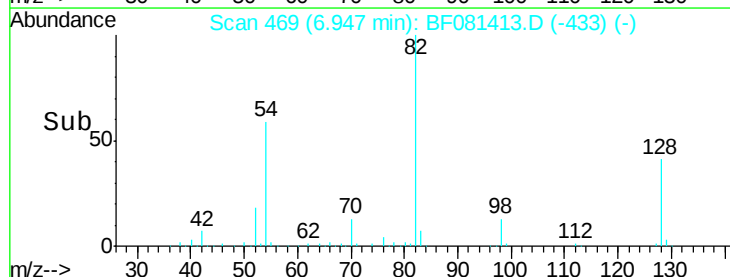


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

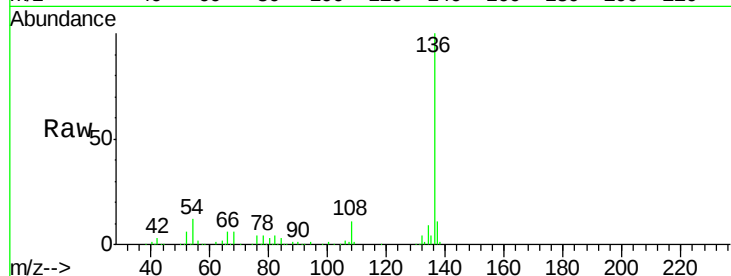
Instrument :

BNA_F

ClientSampleId :

P005-TS01-01

Tgt Ion:	136	Resp:	210164
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	11.8	8.2	12.2
68	5.6	5.8	8.6#

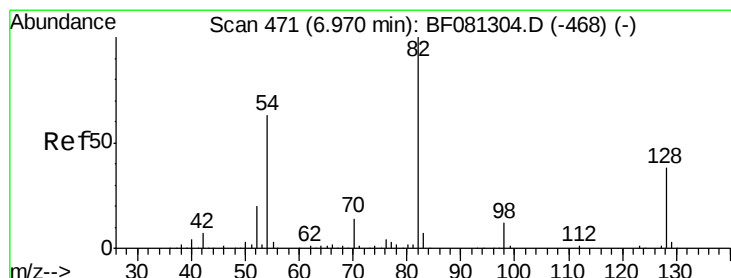
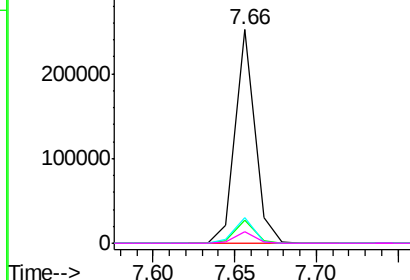
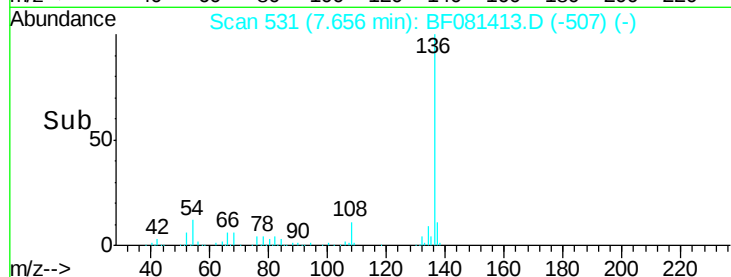


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.07 ng

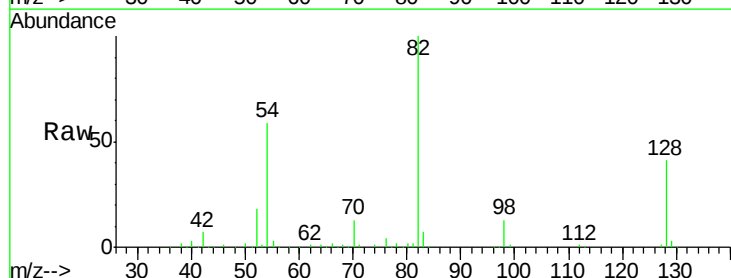
RT: 6.95 min Scan# 469

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

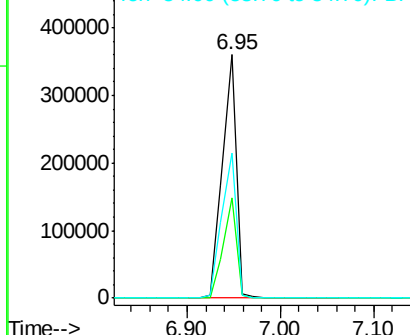
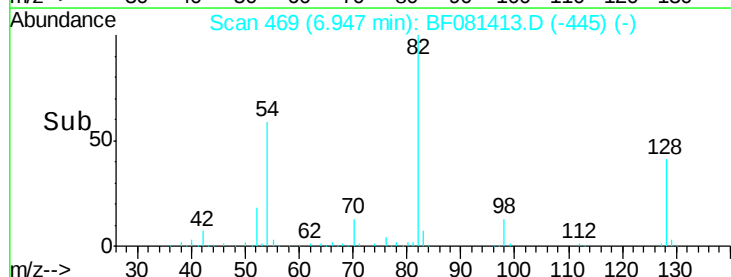
Tgt Ion:	82	Resp:	374912
Ion	Ratio	Lower	Upper
82	100		
128	41.4	51.0	76.6#
54	59.4	47.5	71.3

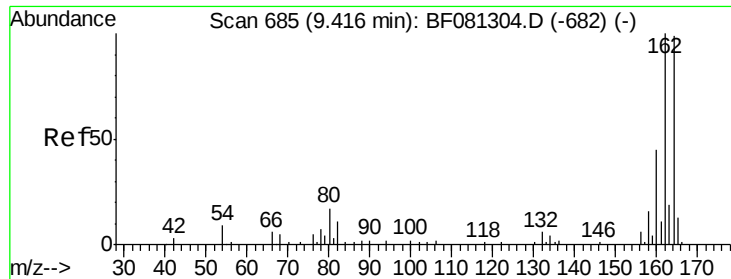


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.39 min Scan# 683

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

Instrument :

BNA_F

ClientSampleId :

P005-TS01-01

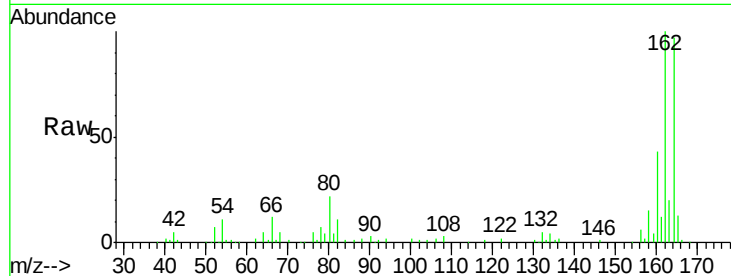
Tgt Ion:164 Resp: 91229

Ion Ratio Lower Upper

164 100

162 102.9 75.2 112.8

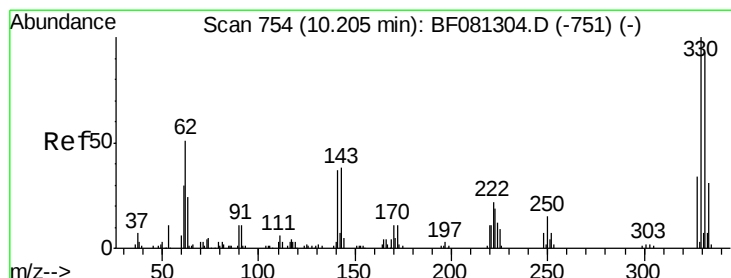
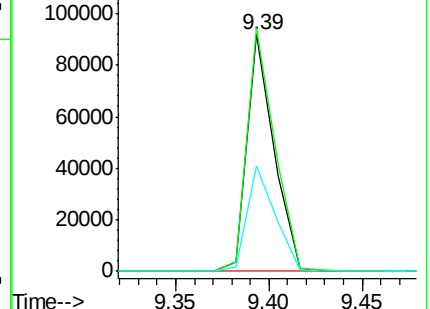
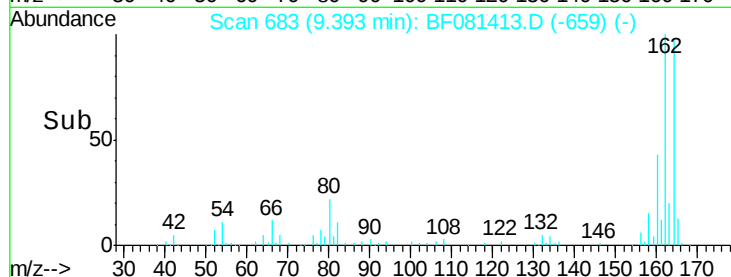
160 44.7 31.5 47.3



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: 111.66 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

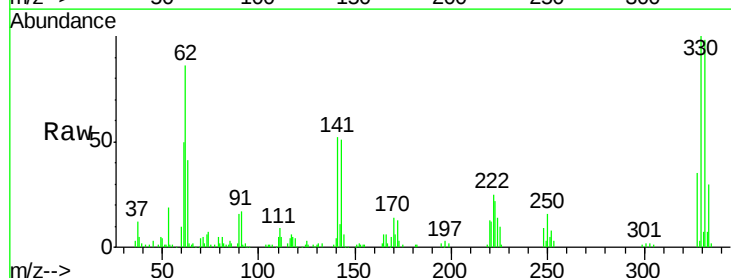
Tgt Ion:330 Resp: 90699

Ion Ratio Lower Upper

330 100

332 98.1 76.6 114.8

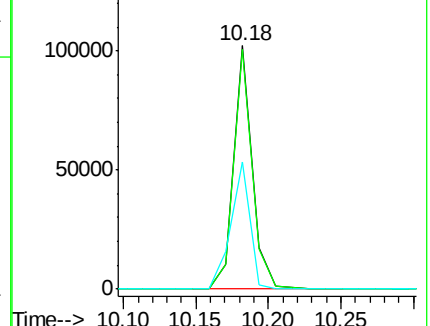
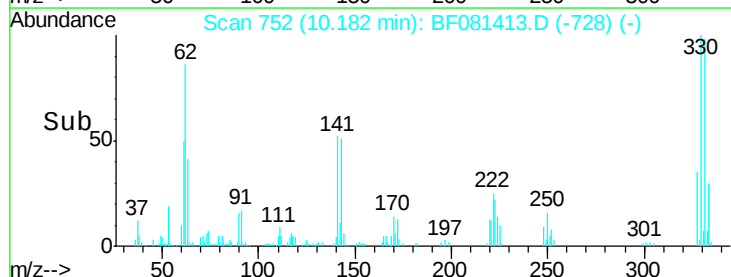
141 54.1 29.7 44.5#



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

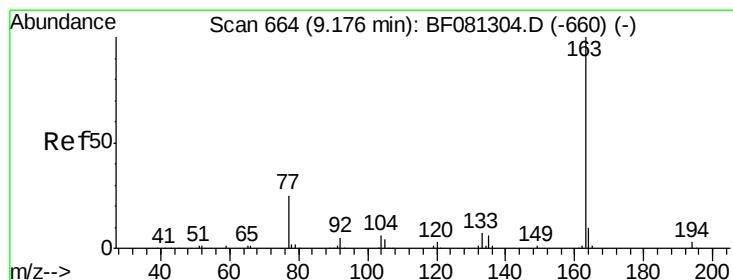
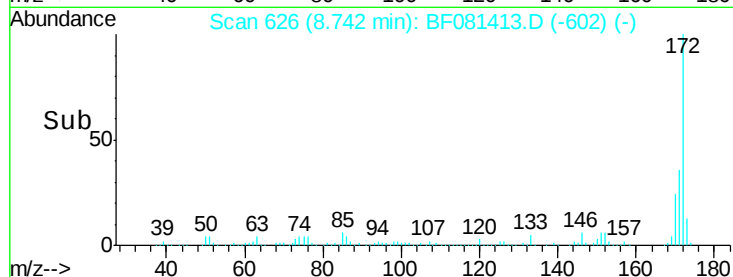
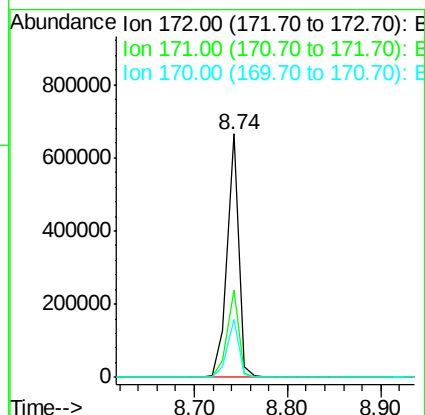
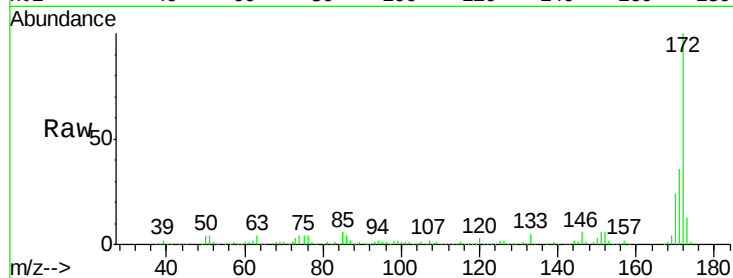




#44
 2-Fluorobiphenyl
 Concen: 80.62 ng
 RT: 8.74 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF081413.D
 Acq: 4 Sep 2015 10:28

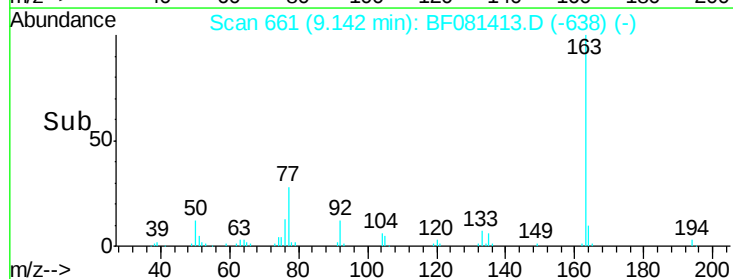
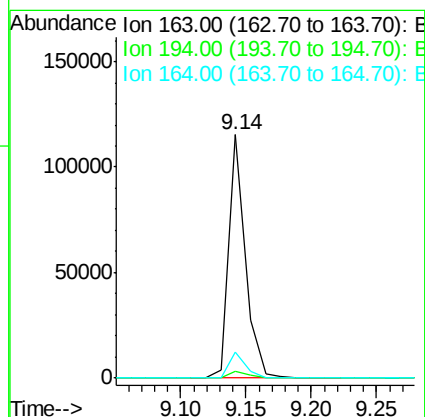
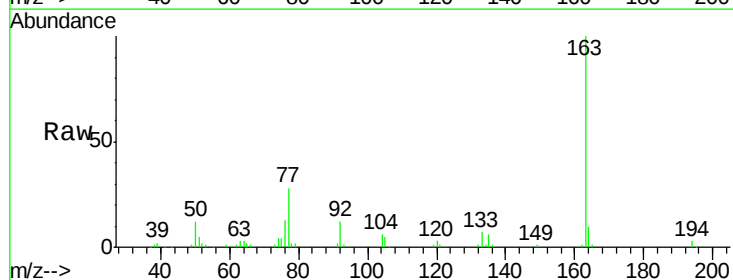
Instrument :
 BNA_F
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 P005-TS01-01

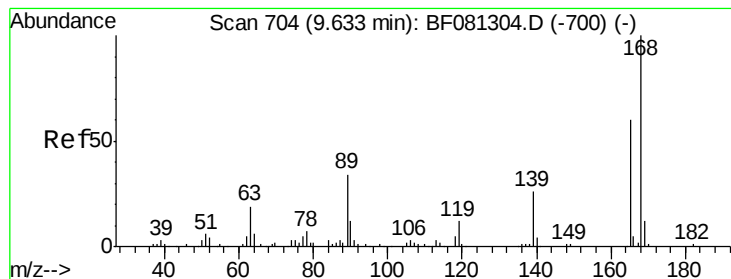
Tgt Ion:172 Resp: 573966
 Ion Ratio Lower Upper
 172 100
 171 36.2 26.1 39.1
 170 23.8 17.4 26.2



#49
 Dimethylphthalate
 Concen: 14.54 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.03 min
 Lab File: BF081413.D
 Acq: 4 Sep 2015 10:28

Tgt Ion:163 Resp: 103033
 Ion Ratio Lower Upper
 163 100
 194 3.0 4.4 6.6#
 164 10.4 8.3 12.5





#56

2,4-Dinitrotoluene

Concen: 5.51 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

Instrument :

BNA_F

ClientSampleId :

P005-TS01-01

Tgt Ion:165 Resp: 11296

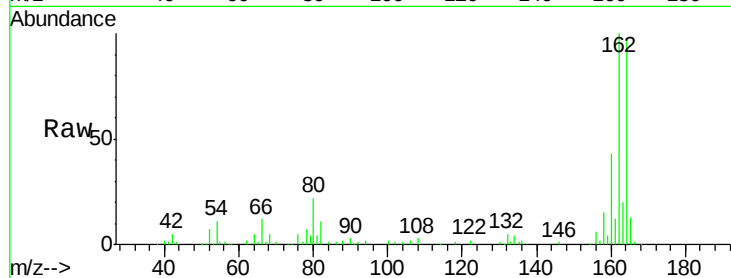
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

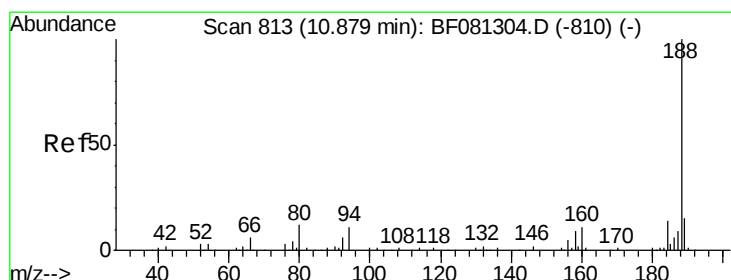
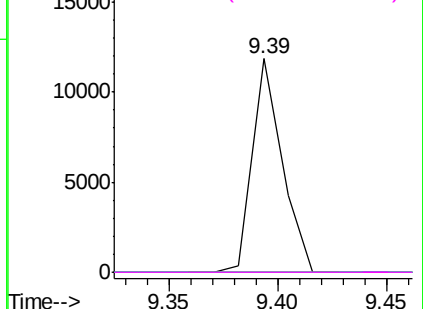
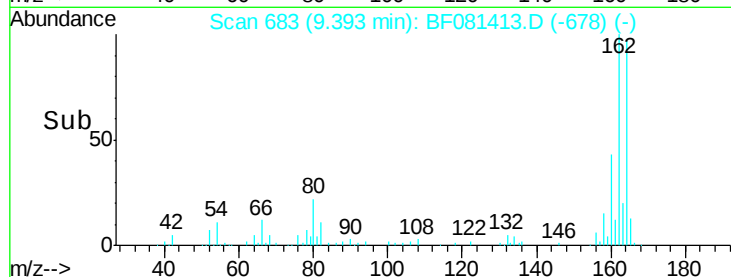


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.86 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

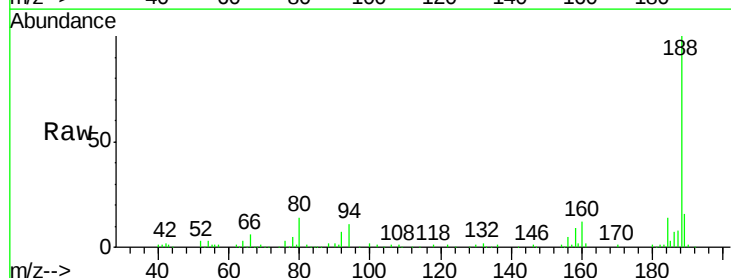
Tgt Ion:188 Resp: 169005

Ion Ratio Lower Upper

188 100

94 11.2 11.1 16.7

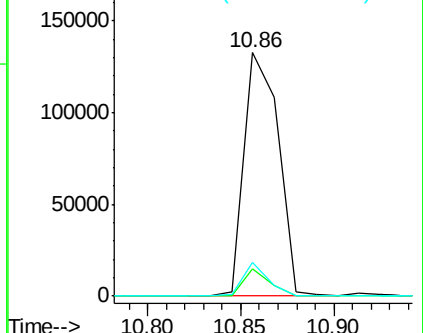
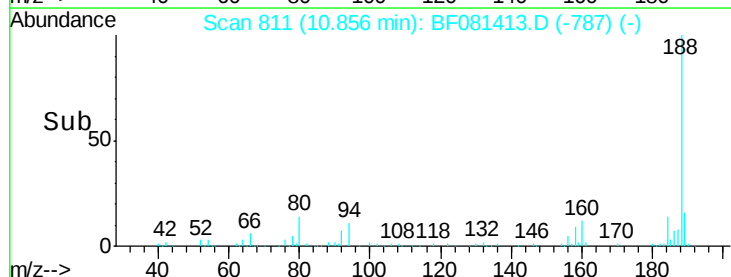
80 13.8 11.0 16.4

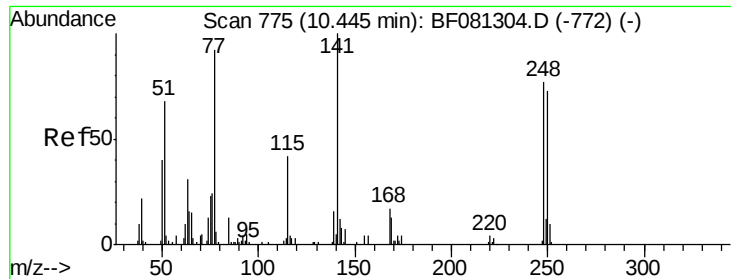


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

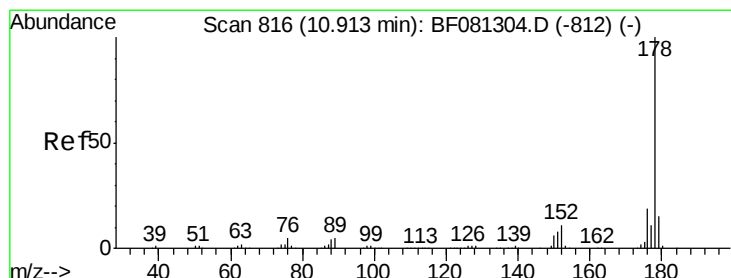
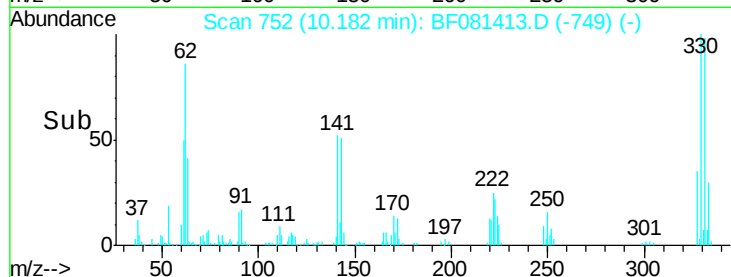
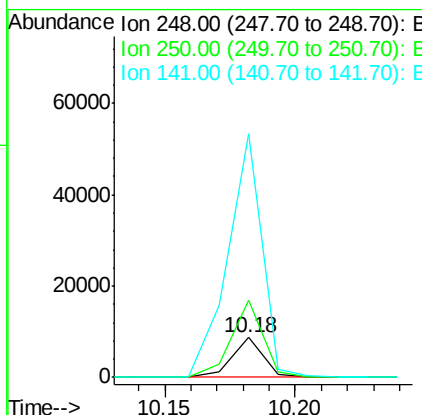
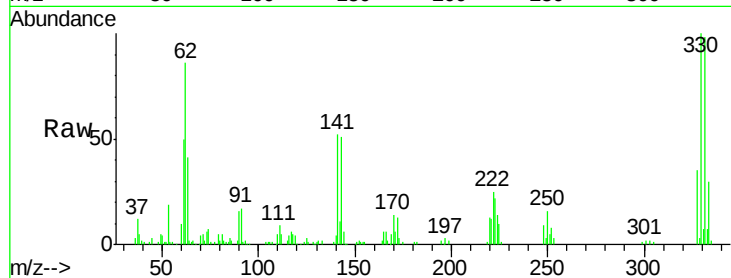




#66
 4-Bromophenyl-phenylether
 Concen: 4.28 ng
 RT: 10.18 min Scan# 752
 Delta R.T. -0.26 min
 Lab File: BF081413.D
 Acq: 4 Sep 2015 10:28

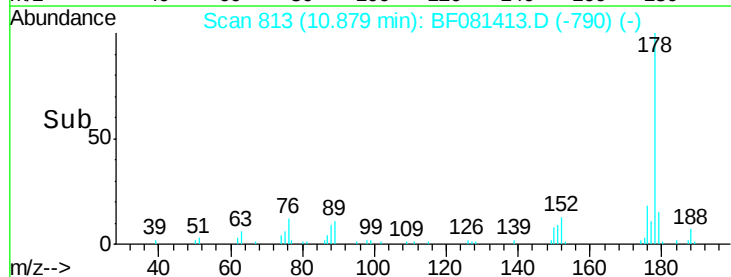
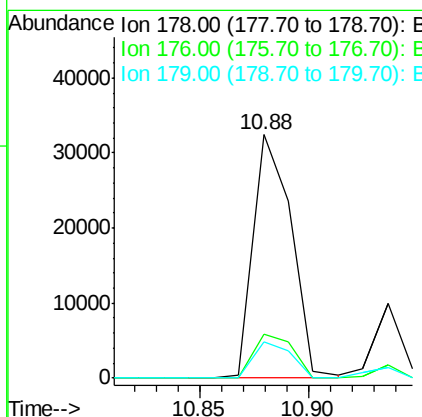
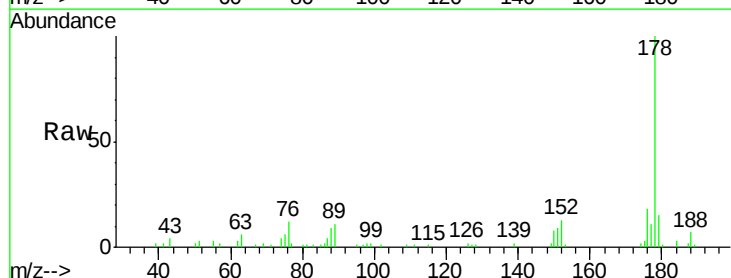
Instrument :
 BNA_F
 ClientSampleId :
 P005-TS01-01

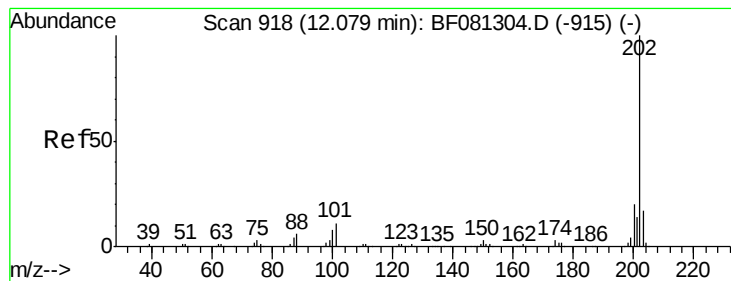
Tgt Ion:248 Resp: 7312
 Ion Ratio Lower Upper
 248 100
 250 193.4 78.5 117.7#
 141 614.0 59.0 88.6#



#70
 Phenanthrene
 Concen: 4.21 ng
 RT: 10.88 min Scan# 813
 Delta R.T. -0.03 min
 Lab File: BF081413.D
 Acq: 4 Sep 2015 10:28

Tgt Ion:178 Resp: 39521
 Ion Ratio Lower Upper
 178 100
 176 18.1 13.8 20.8
 179 15.0 12.2 18.2





#74

Fluoranthene

Concen: 7.93 ng

RT: 12.06 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

Instrument :

BNA_F

ClientSampleId :

P005-TS01-01

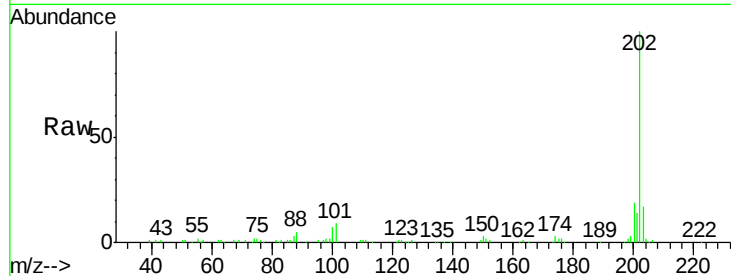
Tgt Ion:202 Resp: 80709

Ion Ratio Lower Upper

202 100

101 8.7 0.0 38.3

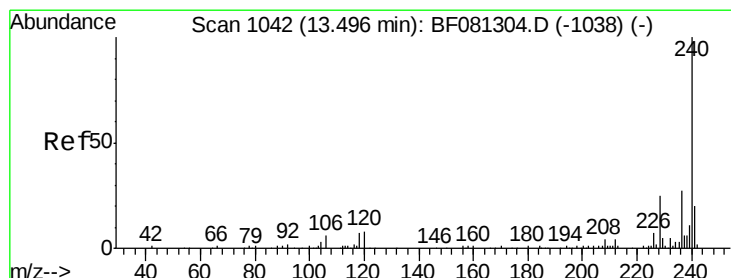
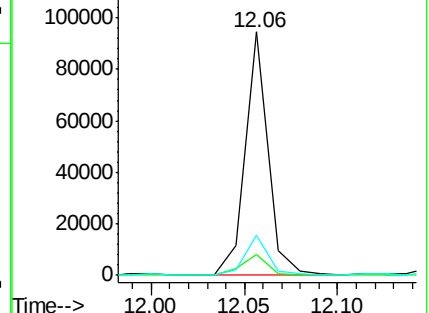
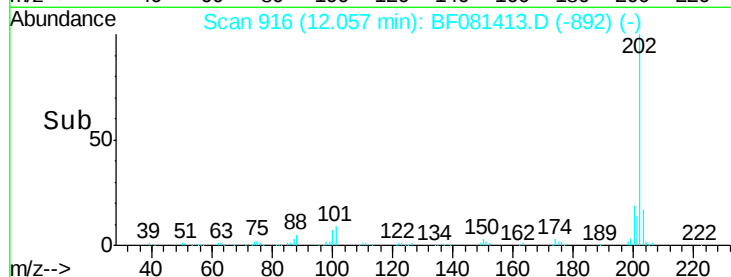
203 16.7 0.0 37.3



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: 13.47 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

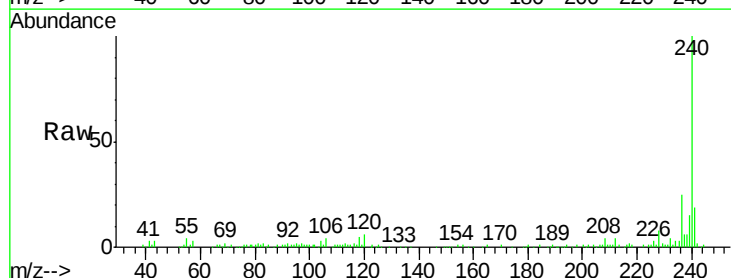
Tgt Ion:240 Resp: 105749

Ion Ratio Lower Upper

240 100

120 6.2 16.2 24.2#

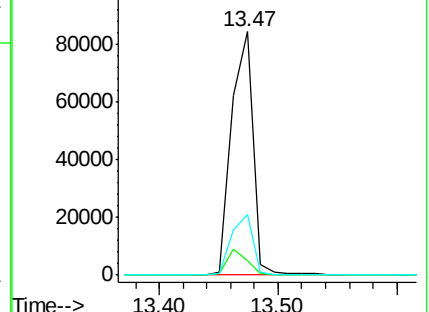
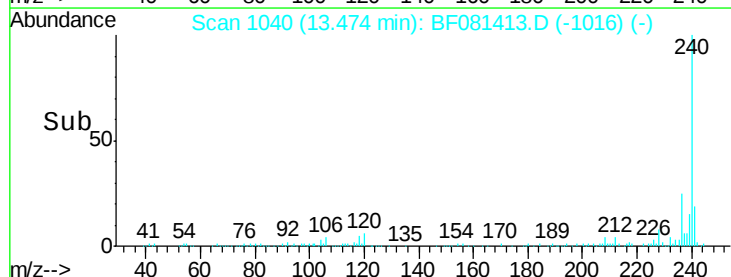
236 24.7 18.4 27.6

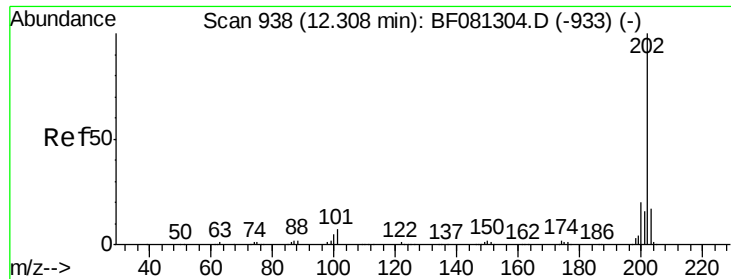


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

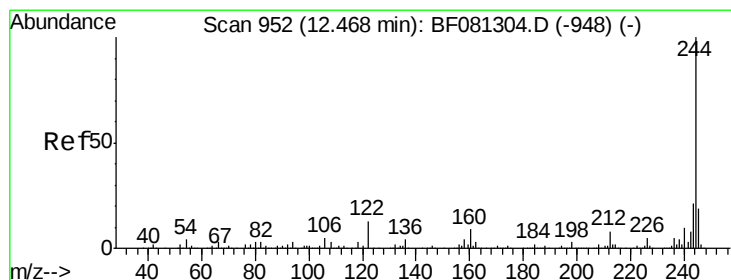
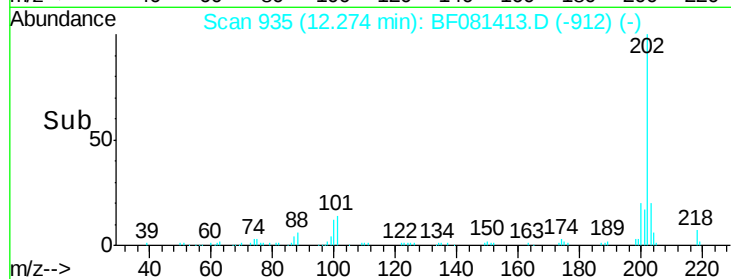
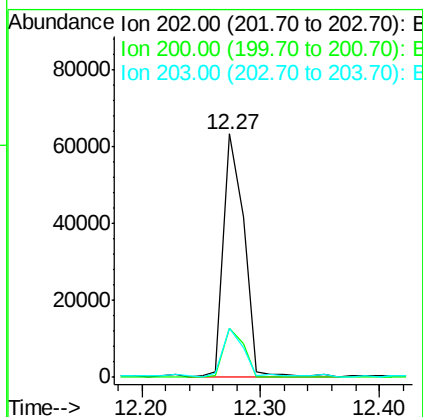
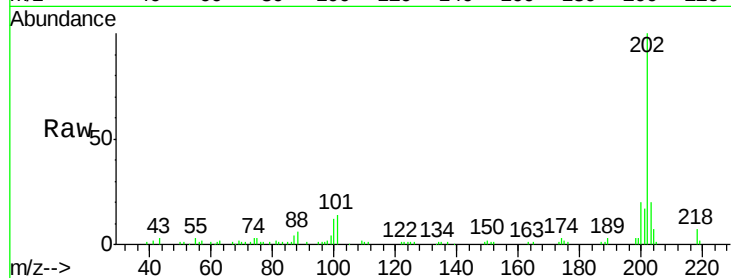




#77
 Pyrene
 Concen: 9.74 ng
 RT: 12.27 min Scan# 935
 Delta R.T. -0.03 min
 Lab File: BF081413.D
 Acq: 4 Sep 2015 10:28

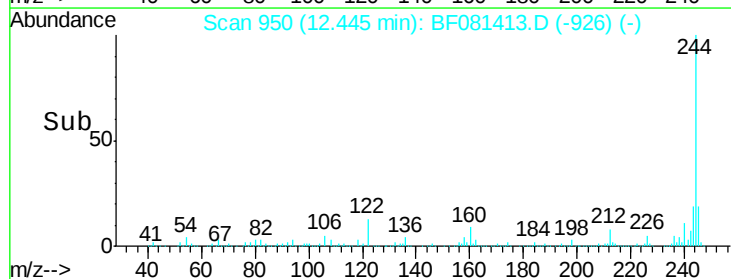
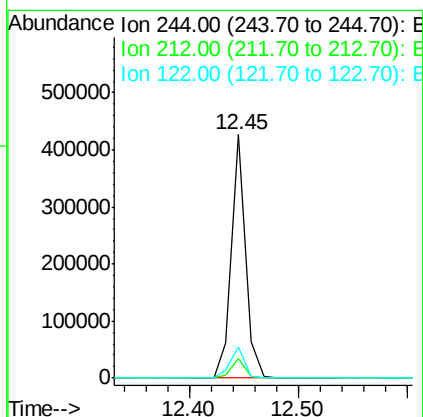
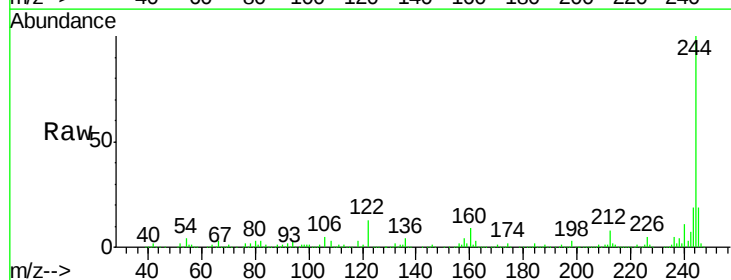
Instrument :
 BNA_F
 ClientSampleId :
 P005-TS01-01

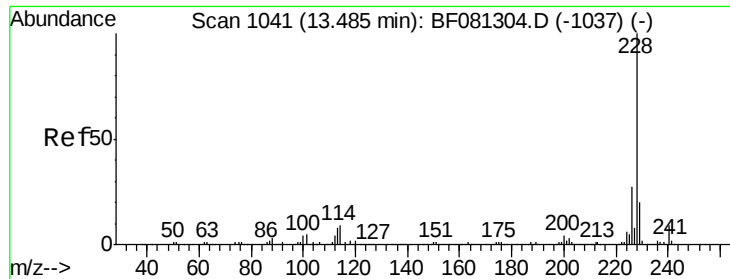
Tgt Ion: 202 Resp: 76321
 Ion Ratio Lower Upper
 202 100
 200 20.3 15.0 22.4
 203 20.2 14.1 21.1



#78
 Terphenyl-d14
 Concen: 83.78 ng
 RT: 12.45 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF081413.D
 Acq: 4 Sep 2015 10:28

Tgt Ion: 244 Resp: 380592
 Ion Ratio Lower Upper
 244 100
 212 8.0 4.3 6.5#
 122 12.5 17.4 26.2#





#80

Benzo(a)anthracene

Concen: 4.59 ng

RT: 13.46 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

Instrument :

BNA_F

ClientSampleId :

P005-TS01-01

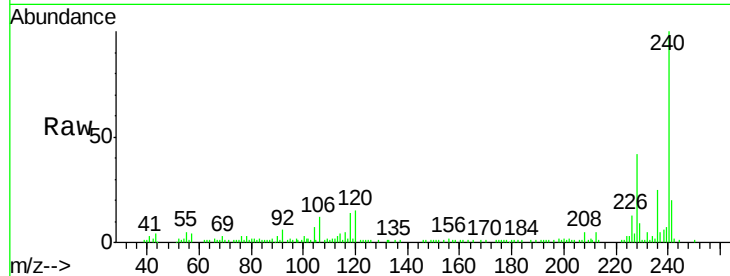
Tgt Ion:228 Resp: 30919

Ion Ratio Lower Upper

228 100

226 31.2 20.0 30.0#

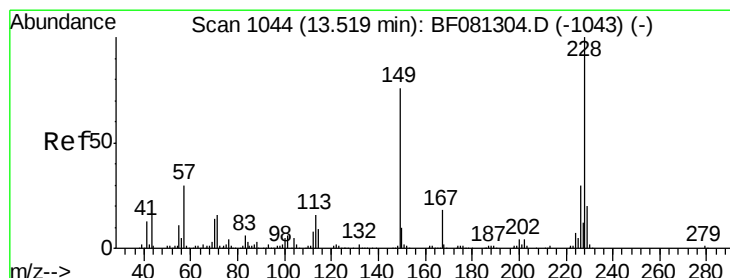
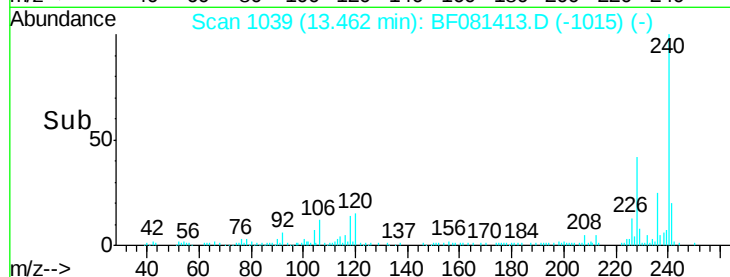
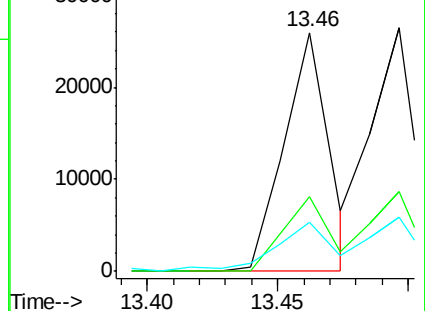
229 20.5 15.4 23.2



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



#82

Chrysene

Concen: 5.12 ng

RT: 13.46 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

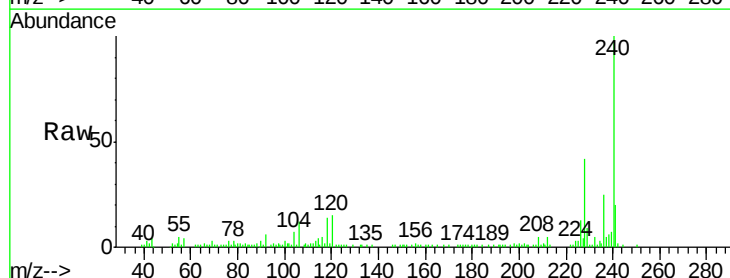
Tgt Ion:228 Resp: 30919

Ion Ratio Lower Upper

228 100

226 31.2 21.0 31.4

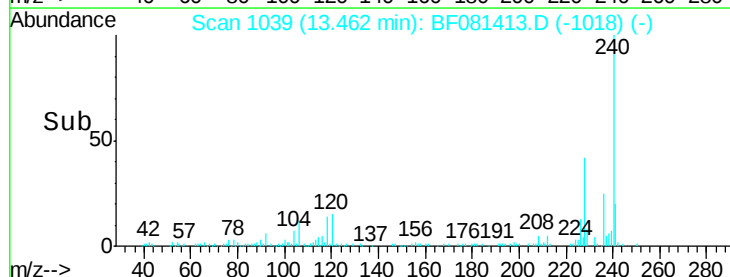
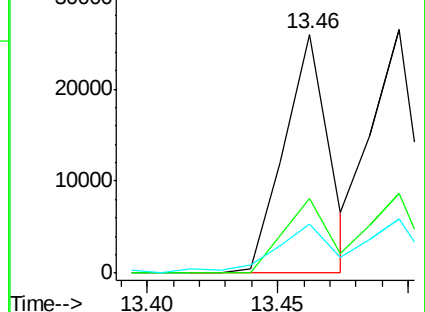
229 20.5 15.6 23.4

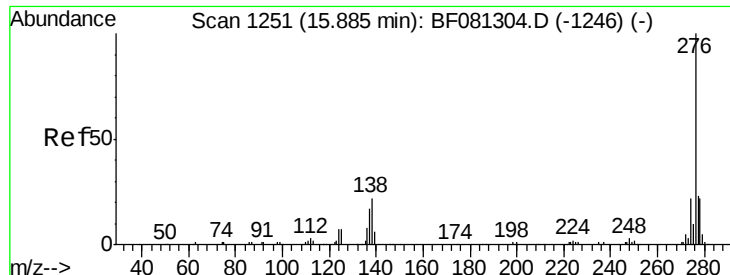


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

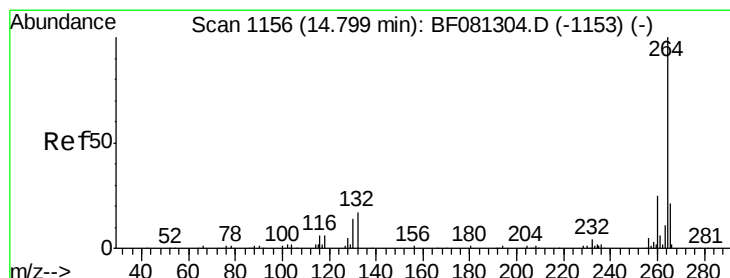
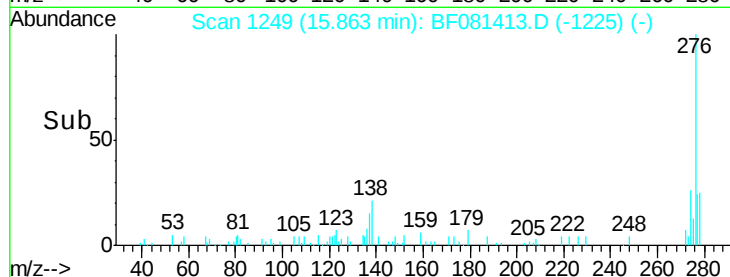
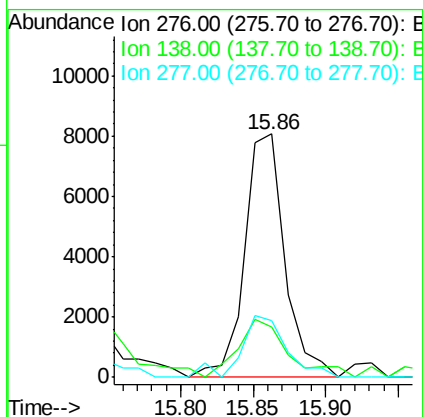
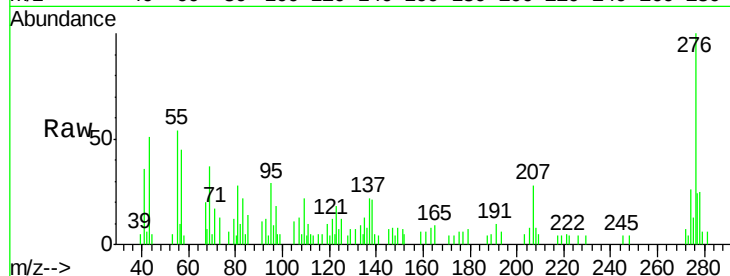




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.50 ng
 RT: 15.86 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: BF081413.D
 Acq: 4 Sep 2015 10:28

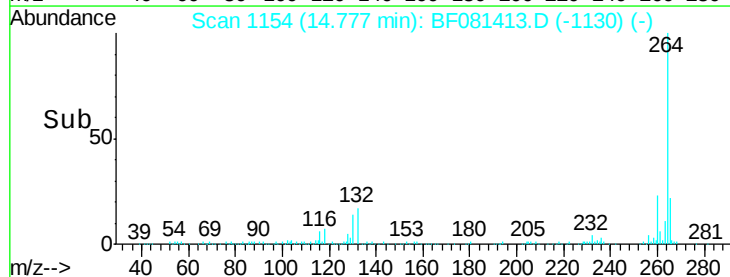
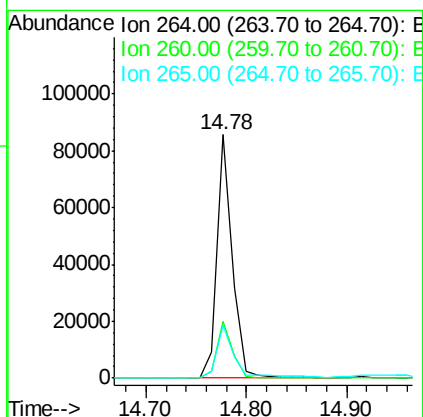
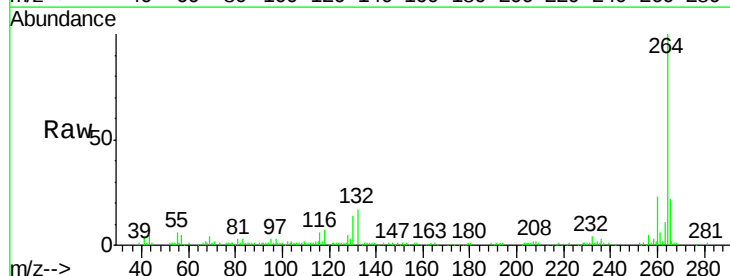
Instrument :
 BNA_F
 ClientSampleId :
 P005-TS01-01

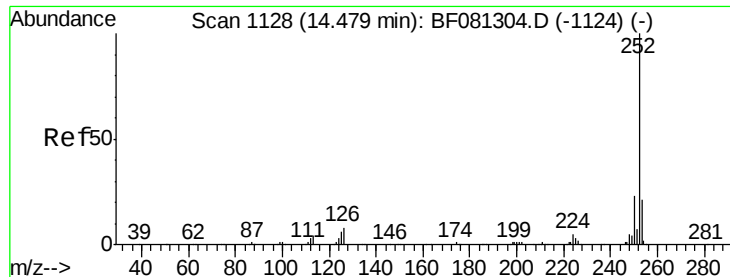
Tgt Ion: 276 Resp: 15505
 Ion Ratio Lower Upper
 276 100
 138 30.0 25.7 38.5
 277 28.6 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.78 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BF081413.D
 Acq: 4 Sep 2015 10:28

Tgt Ion: 264 Resp: 91241
 Ion Ratio Lower Upper
 264 100
 260 23.3 16.7 25.1
 265 21.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 7.89 ng

RT: 14.46 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

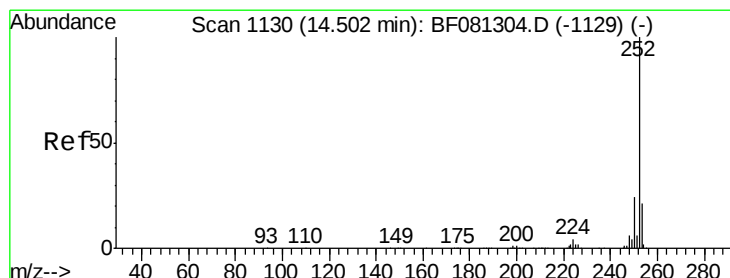
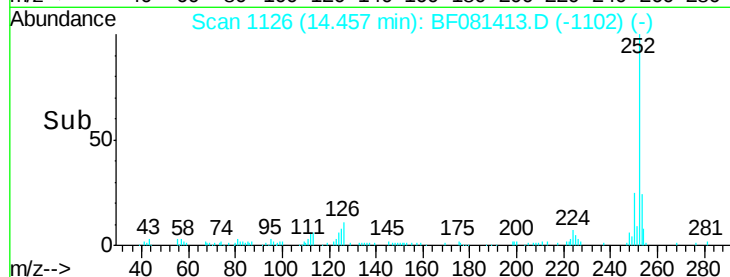
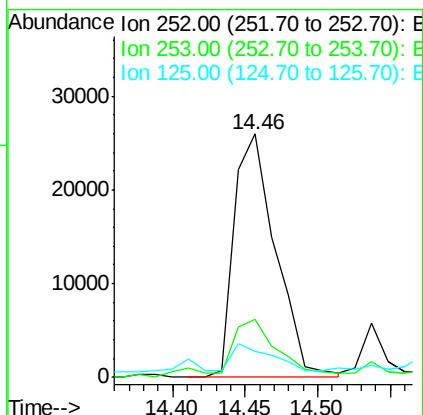
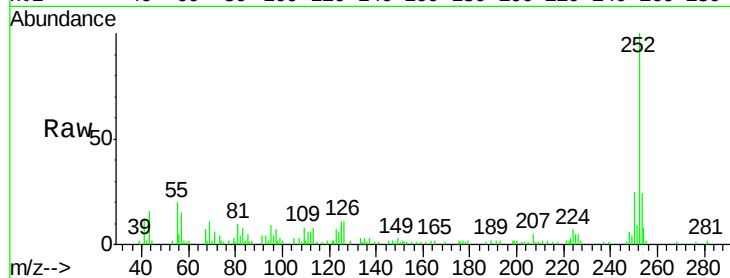
Instrument :

BNA_F

ClientSampleId :

P005-TS01-01

Tgt Ion:	252	Resp:	51407
Ion Ratio		Lower	Upper
252	100		
253	23.7	17.5	26.3
125	10.6	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 9.51 ng

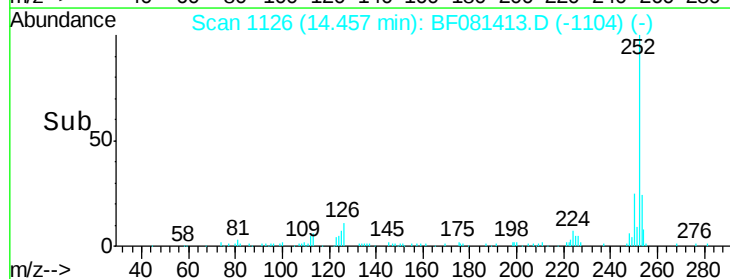
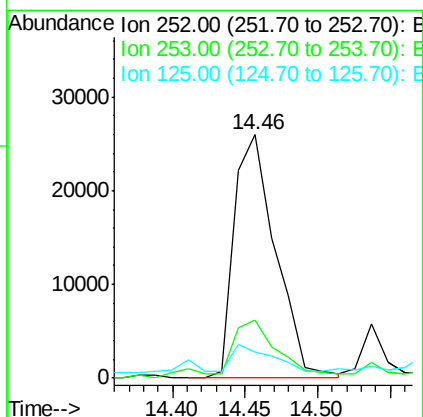
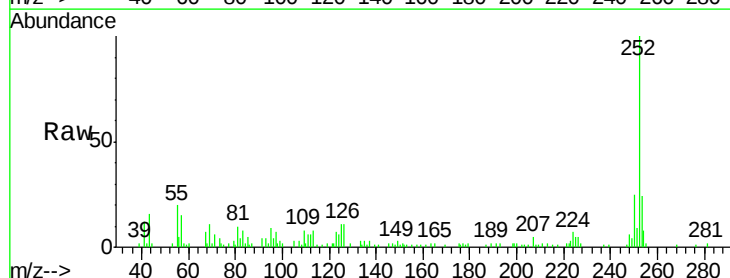
RT: 14.46 min Scan# 1126

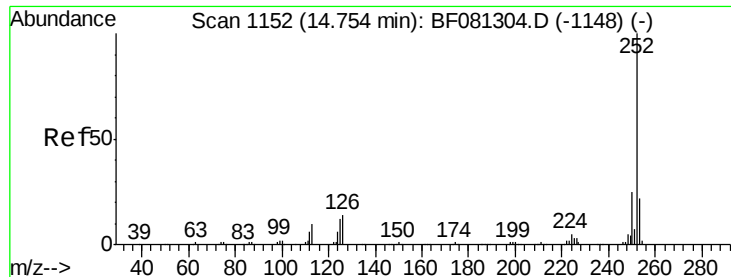
Delta R.T. -0.05 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

Tgt Ion:	252	Resp:	51407
Ion Ratio		Lower	Upper
252	100		
253	23.7	17.0	25.4
125	10.6	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 4.61 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

Instrument :

BNA_F

ClientSampleId :

P005-TS01-01

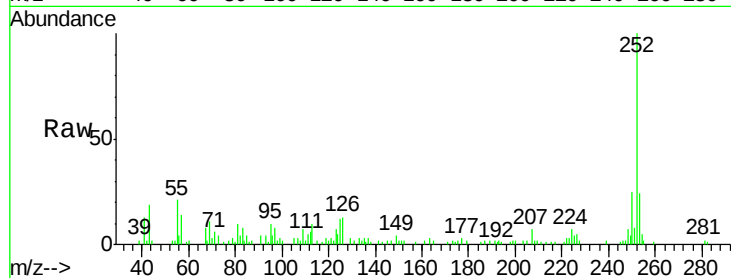
Tgt Ion:252 Resp: 25440

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

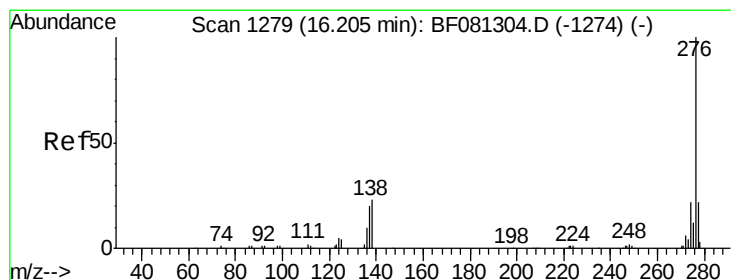
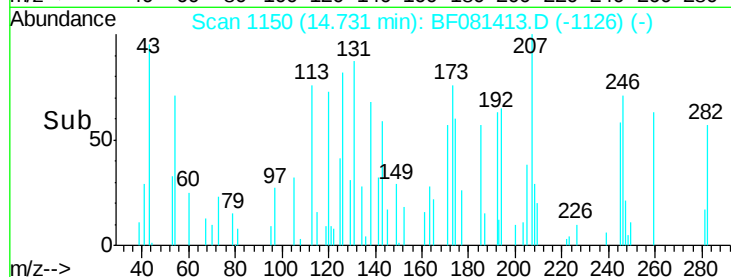
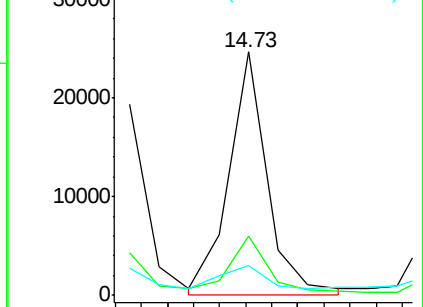
125 12.1 18.0 27.0#



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: 3.59 ng

RT: 16.17 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF081413.D

Acq: 4 Sep 2015 10:28

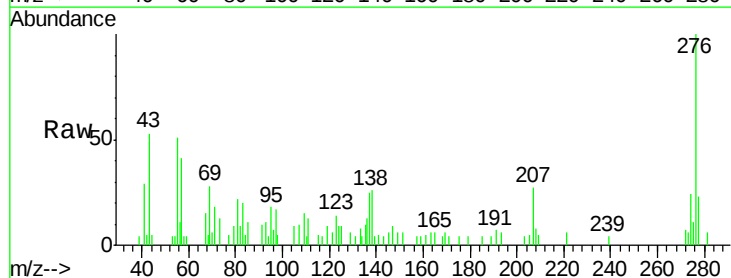
Tgt Ion:276 Resp: 14607

Ion Ratio Lower Upper

276 100

277 23.5 17.8 26.6

138 25.7 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

