

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
 Data File : BF082495.D
 Acq On : 24 Oct 2015 6:17
 Operator : UM/IZ
 Sample : G4116-01RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

Quant Time: Oct 24 23:18:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 15:17:13 2015
 Response via : Initial Calibration

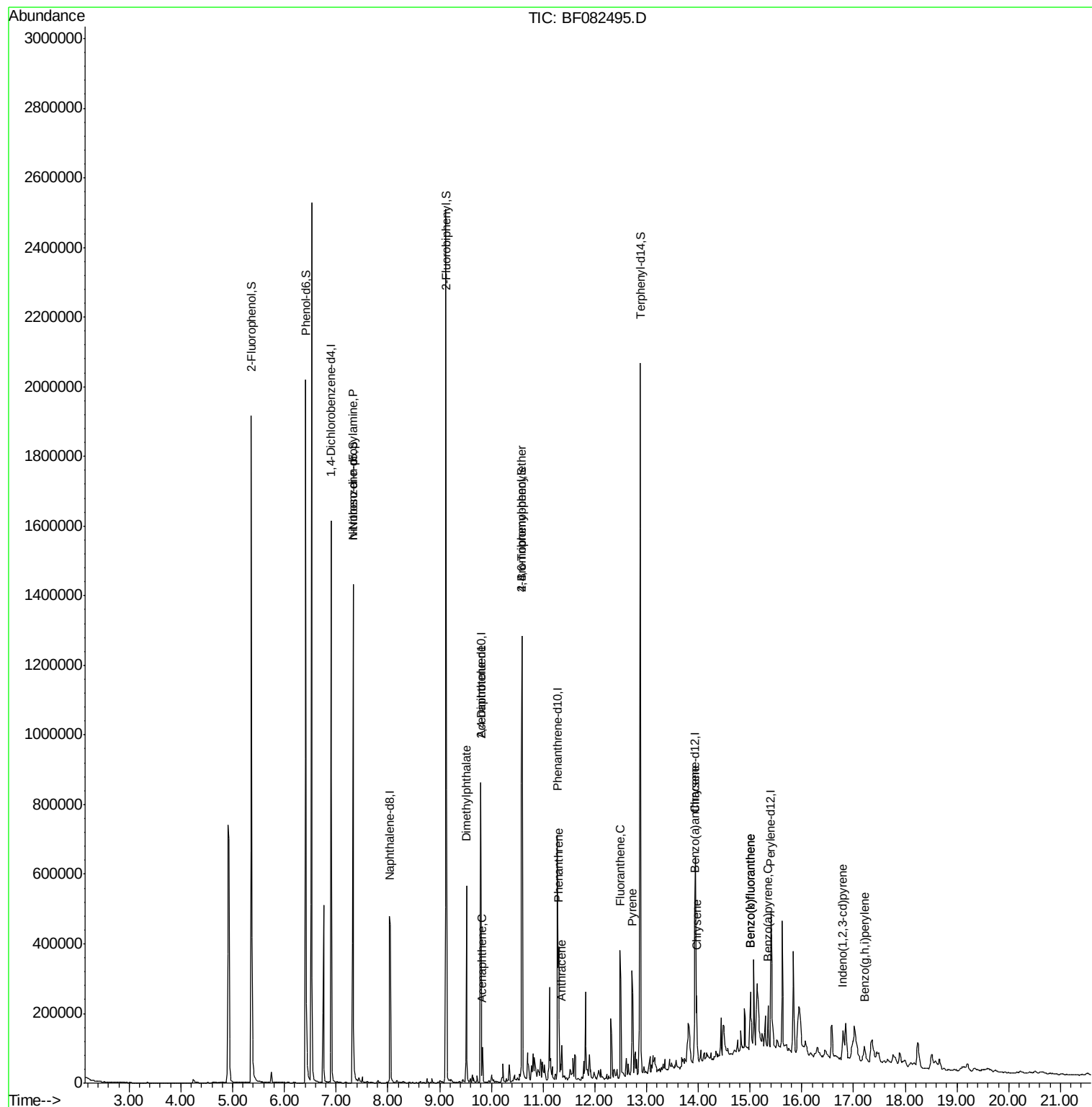
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	322289	20.00	ng	0.15
21) Naphthalene-d8	8.05	136	349830	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	176524	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	297217	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	228776	20.00	ng	-0.09
86) Perylene-d12	15.41	264	197248	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	654299	40.97	ng	0.01
7) Phenol-d6	6.41	99	862443	41.50	ng	-0.01
23) Nitrobenzene-d5	7.33	82	505761	97.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	192757	116.44	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	949376	89.19	ng	-0.01
78) Terphenyl-d14	12.88	244	900479	104.30	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	68766	4.71	ng	# 79
49) Dimethylphthalate	9.52	163	231425	18.62	ng	98
51) Acenaphthene	9.83	154	21456	2.17	ng	99
56) 2,4-Dinitrotoluene	9.79	165	22903	6.99	ng	# 23
66) 4-Bromophenyl-phenylether	10.59	248	13918	4.68	ng	# 1
70) Phenanthrene	11.30	178	161424	11.08	ng	98
71) Anthracene	11.36	178	47418	3.16	ng	98
74) Fluoranthene	12.49	202	211703	13.53	ng	95
77) Pyrene	12.72	202	178795	13.17	ng	97
80) Benzo(a)anthracene	13.93	228	71885	6.04	ng	98
82) Chrysene	13.97	228	63238	5.04	ng	97
85) Indeno(1,2,3-cd)pyrene	16.79	276	39122	3.92	ng	96
87) Benzo(b)fluoranthene	15.01	252	121464	10.12	ng	98
88) Benzo(k)fluoranthene	15.01	252	121464	12.04	ng	# 96
89) Benzo(a)pyrene	15.35	252	58725	5.69	ng	98
91) Benzo(g,h,i)perylene	17.21	276	42142	5.13	ng	98

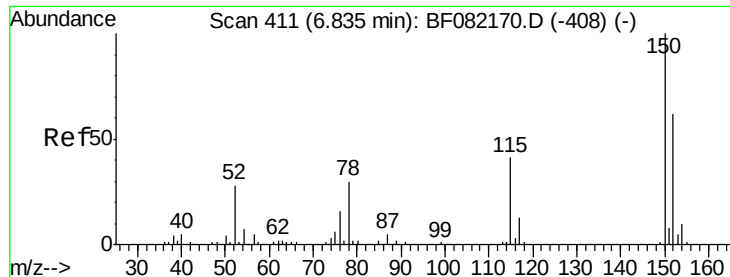
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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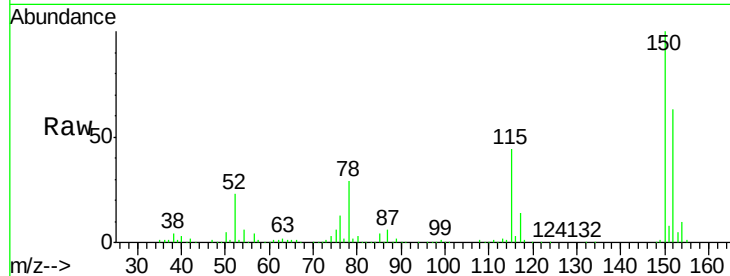




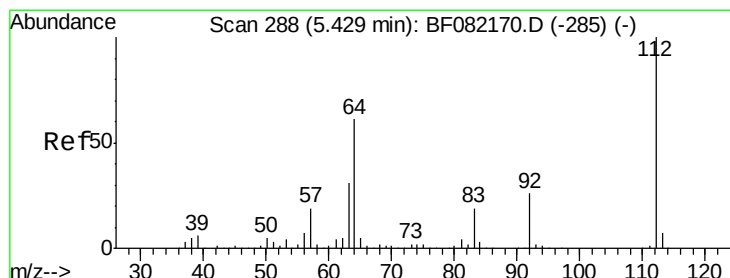
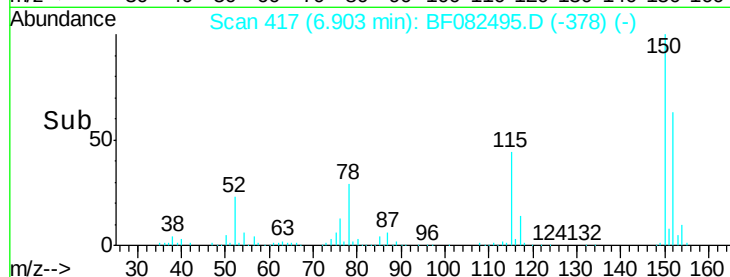
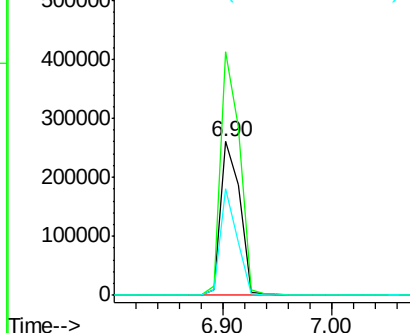
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 417
 Delta R.T. 0.15 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

Tgt Ion:152 Resp: 322289
 Ion Ratio Lower Upper
 152 100
 150 158.4 129.0 193.4
 115 69.3 52.1 78.1

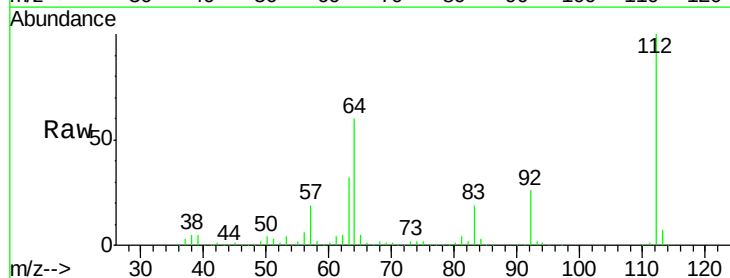


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

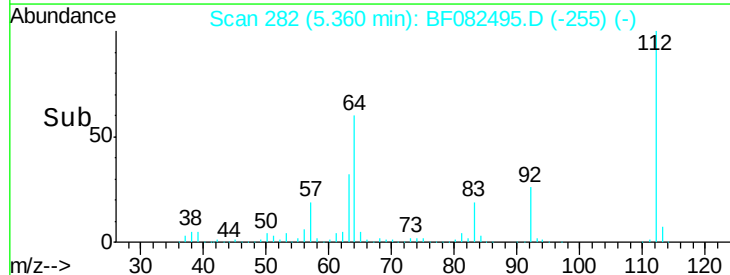
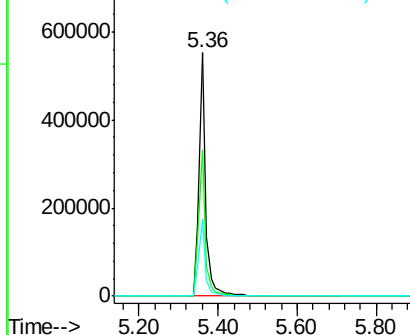


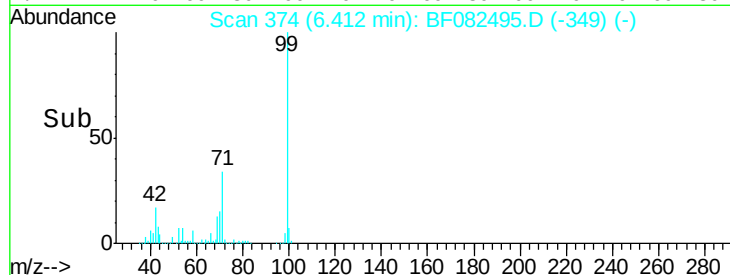
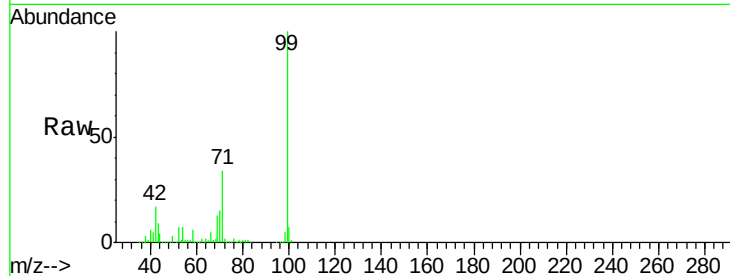
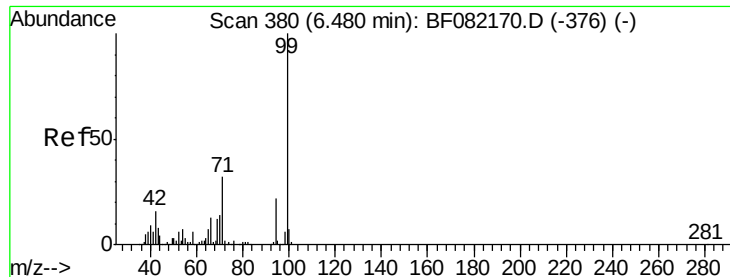
#5
 2-Fluorophenol
 Concen: 40.97 ng
 RT: 5.36 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Tgt Ion:112 Resp: 654299
 Ion Ratio Lower Upper
 112 100
 64 60.1 48.6 73.0
 63 31.5 25.1 37.7



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: 41.50 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

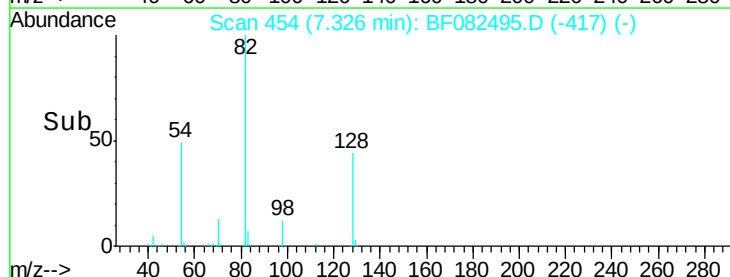
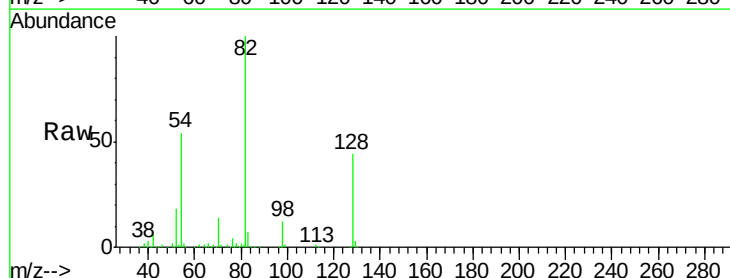
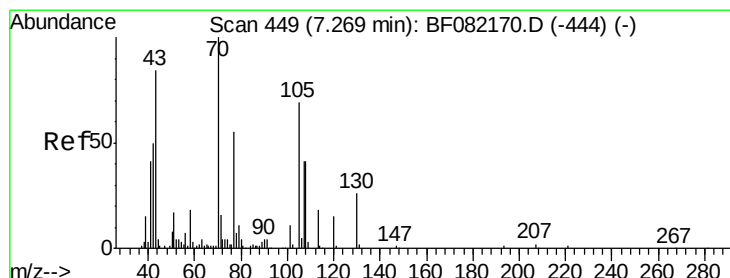
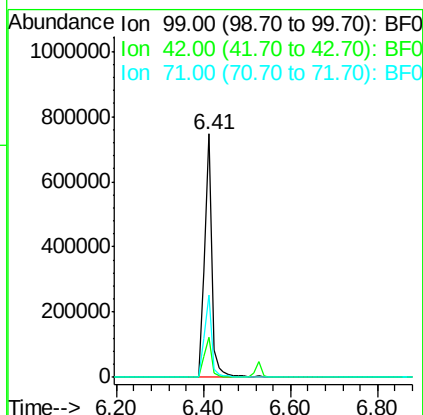
Tgt Ion: 99 Resp: 862443

Ion Ratio Lower Upper

99 100

42 16.5 13.2 19.8

71 33.6 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.71 ng

RT: 7.33 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Tgt Ion: 70 Resp: 68766

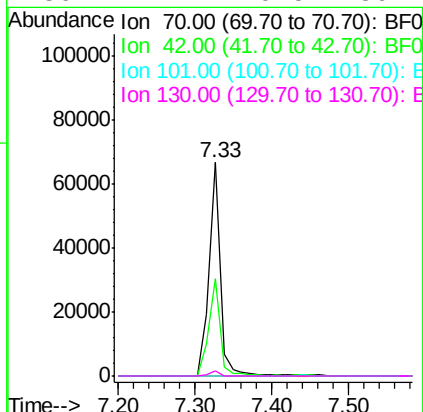
Ion Ratio Lower Upper

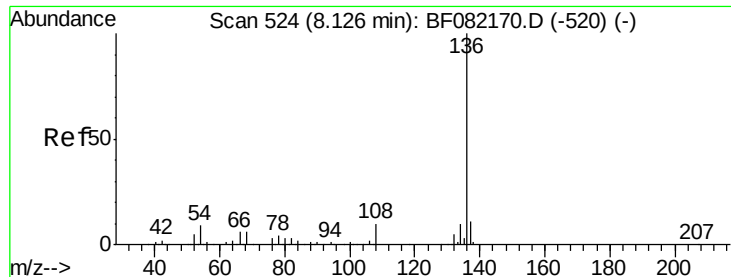
70 100

42 45.7 39.8 59.8

101 0.0 8.6 13.0#

130 2.2 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

Tgt Ion:136 Resp: 349830

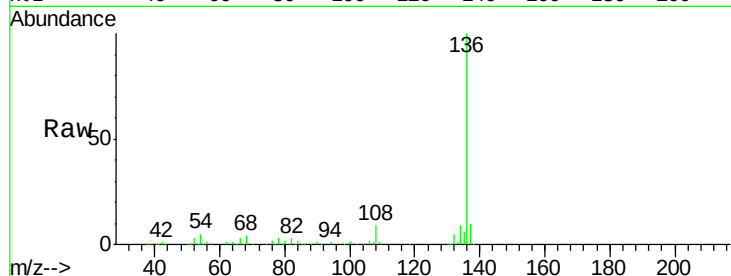
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.6

54 5.3 7.5 11.3#

68 3.7 4.6 7.0#

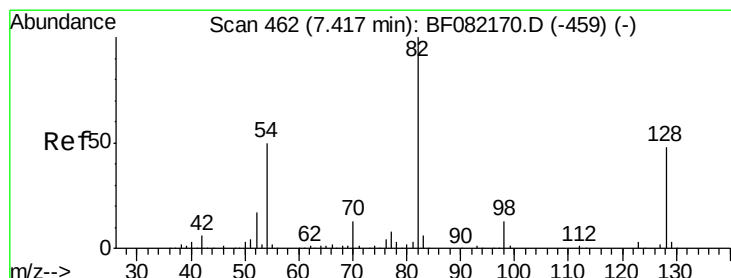
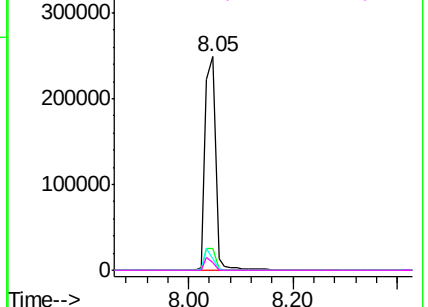
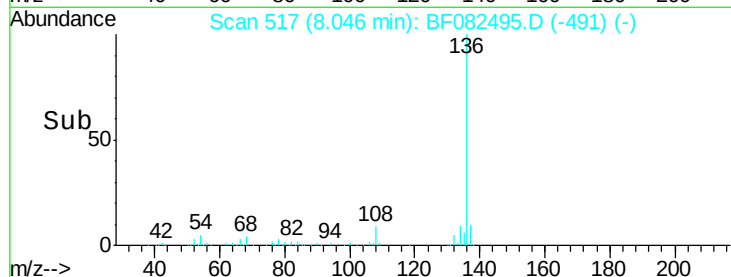


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.09 ng

RT: 7.33 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

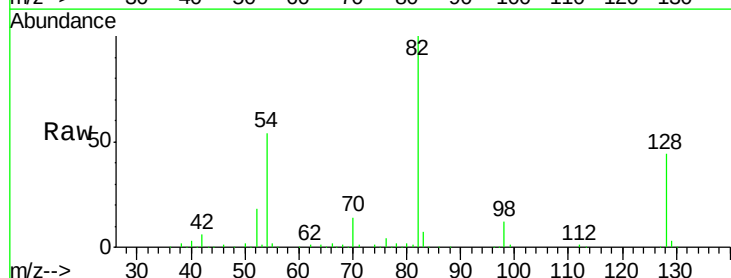
Tgt Ion: 82 Resp: 505761

Ion Ratio Lower Upper

82 100

128 43.6 38.7 58.1

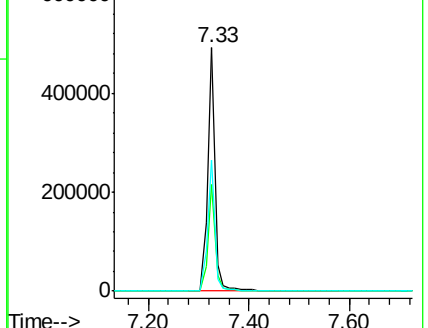
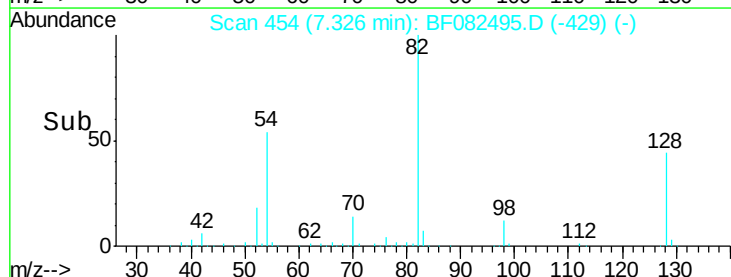
54 53.6 40.1 60.1

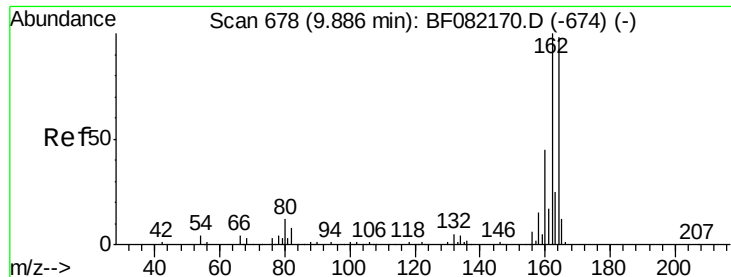


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.79 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

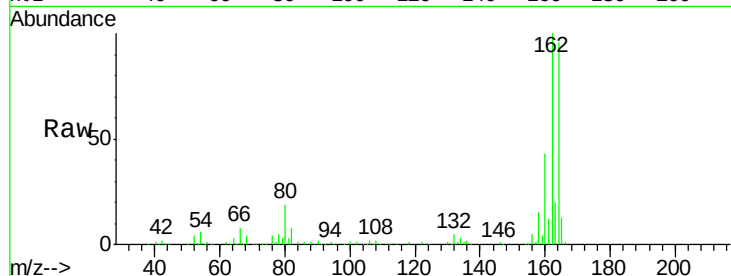
Tgt Ion:164 Resp: 176524

Ion Ratio Lower Upper

164 100

162 104.2 81.6 122.4

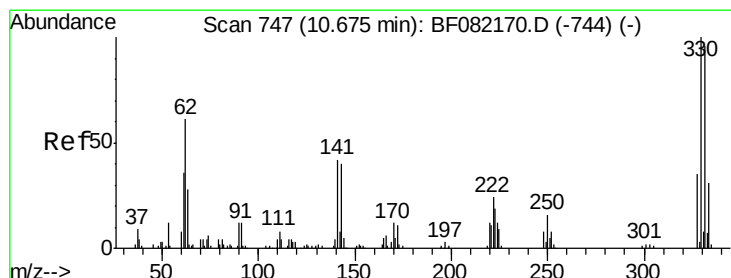
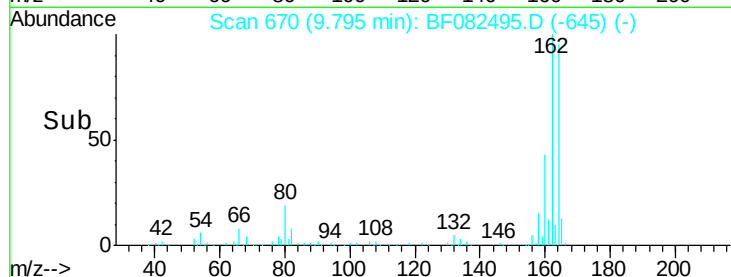
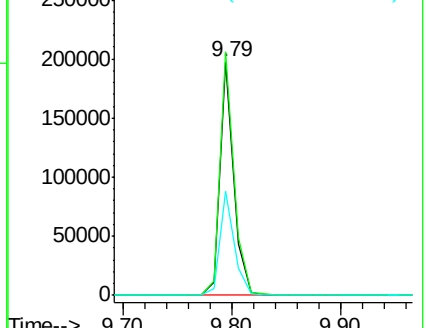
160 44.7 36.4 54.6



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: 116.44 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

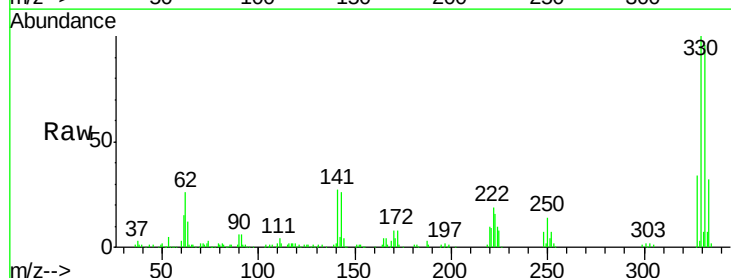
Tgt Ion:330 Resp: 192757

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

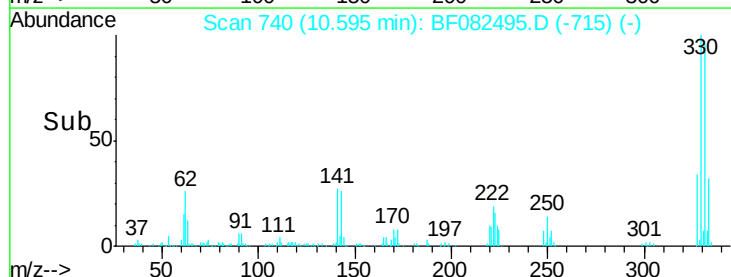
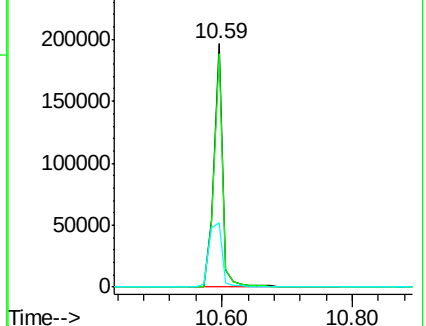
141 39.3 29.8 44.8

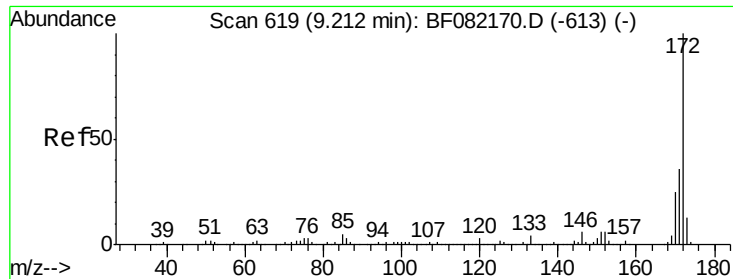


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

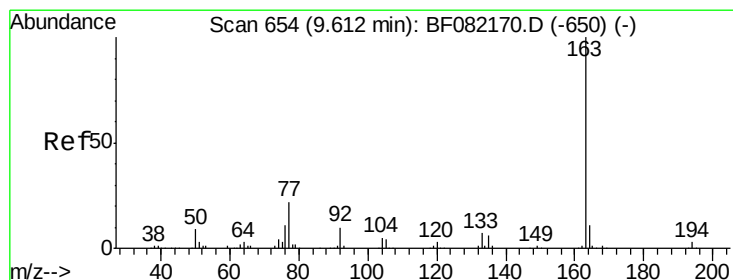
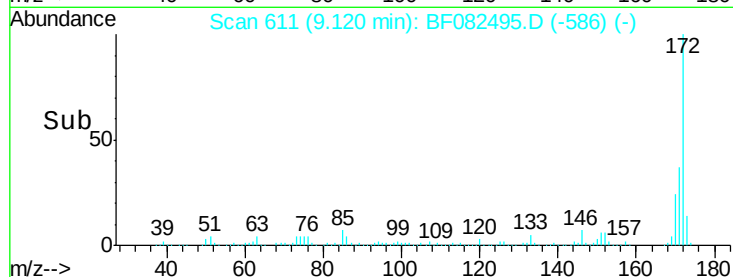
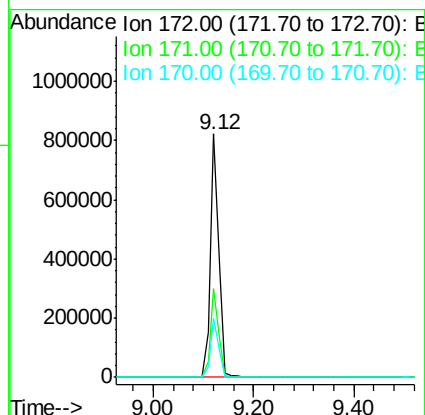
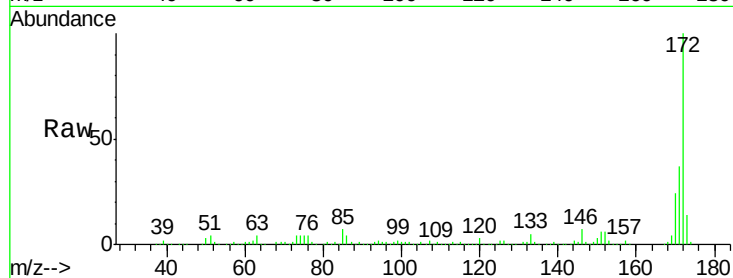




#44
2-Fluorobiphenyl
Concen: 89.19 ng
RT: 9.12 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

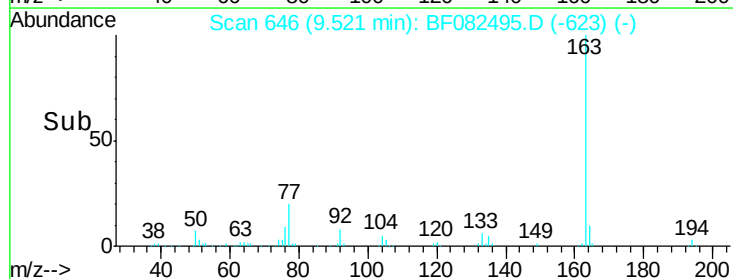
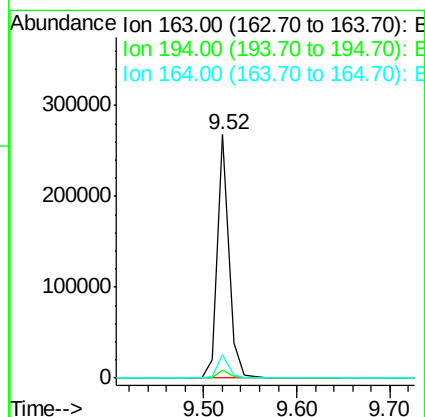
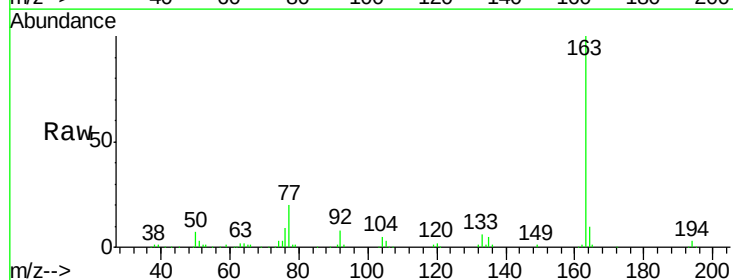
Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

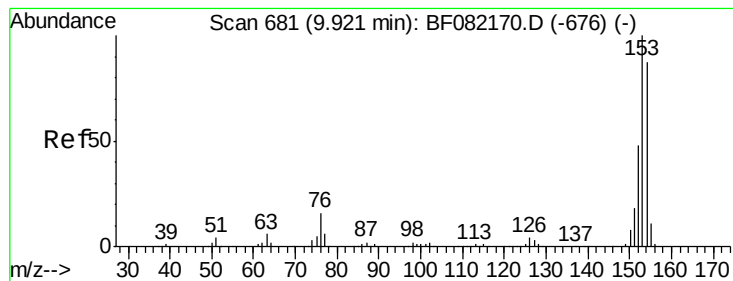
Tgt Ion:172 Resp: 949376
Ion Ratio Lower Upper
172 100
171 36.6 28.6 42.8
170 24.4 19.7 29.5



#49
Dimethylphthalate
Concen: 18.62 ng
RT: 9.52 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Tgt Ion:163 Resp: 231425
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.8 8.5 12.7





#51

Acenaphthene

Concen: 2.17 ng

RT: 9.83 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

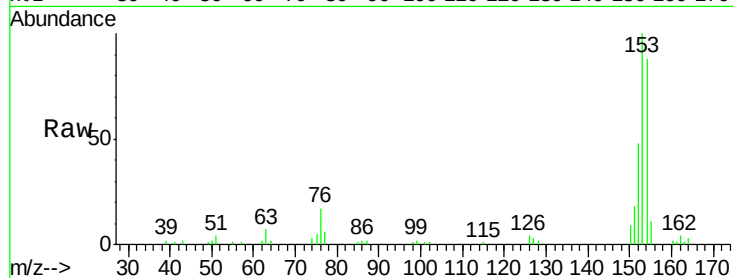
Tgt Ion:154 Resp: 21456

Ion Ratio Lower Upper

154 100

153 113.0 91.4 137.2

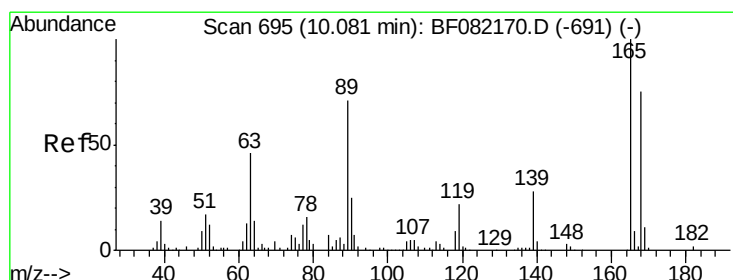
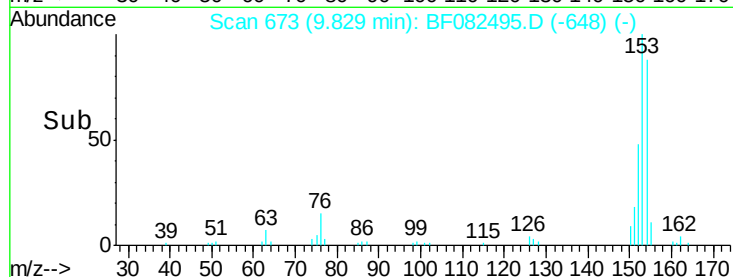
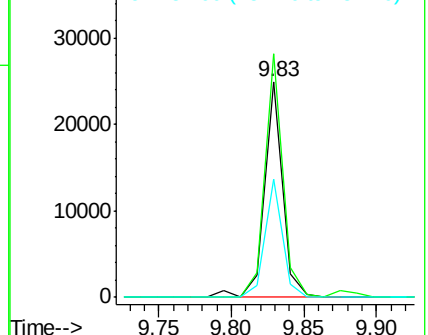
152 54.6 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.99 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.23 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Tgt Ion:165 Resp: 22903

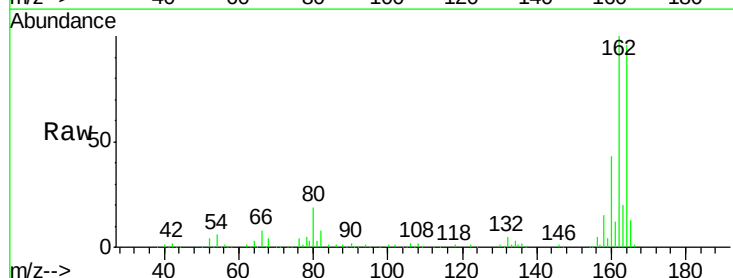
Ion Ratio Lower Upper

165 100

63 1.3 38.6 58.0#

89 1.2 57.0 85.6#

182 0.0 1.8 2.6#

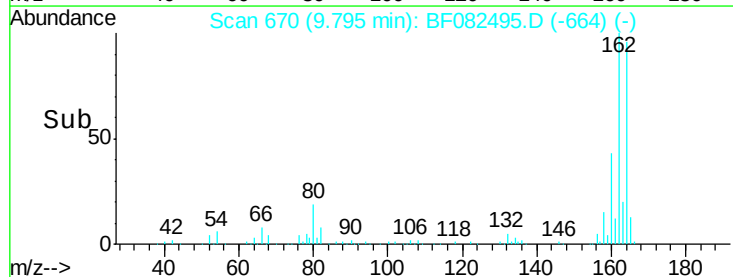
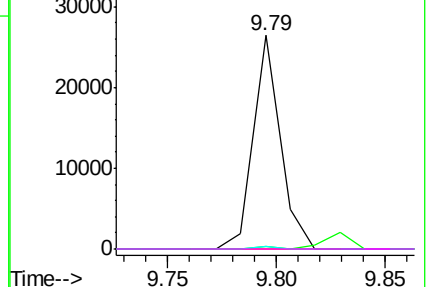


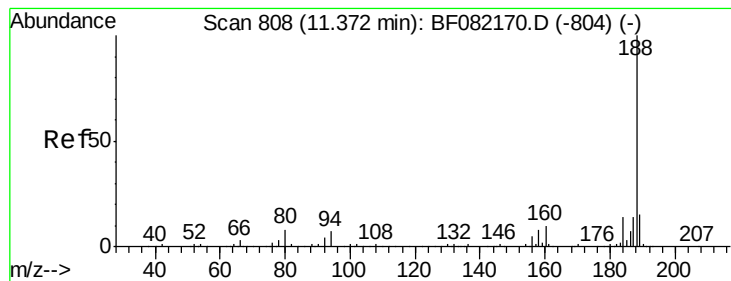
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.28 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

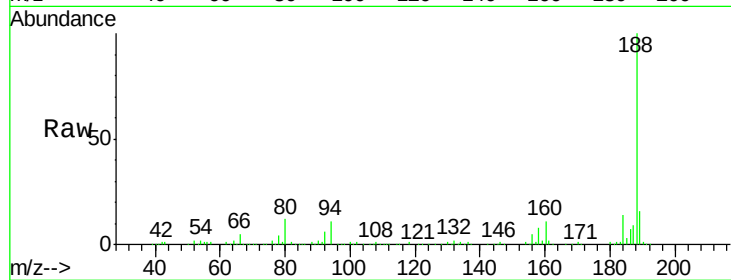
Tgt Ion:188 Resp: 297217

Ion Ratio Lower Upper

188 100

94 11.0 5.8 8.6#

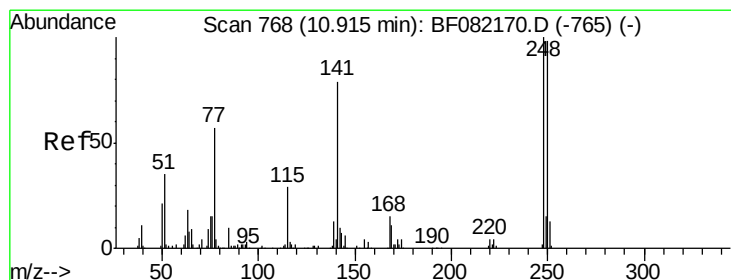
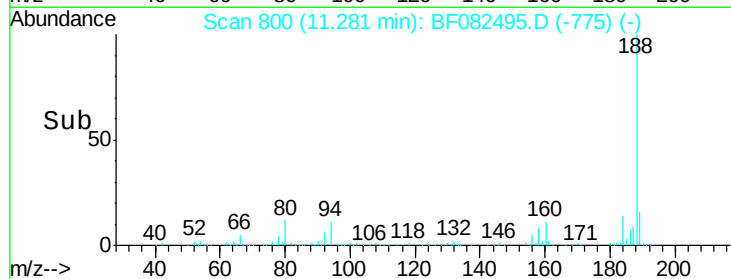
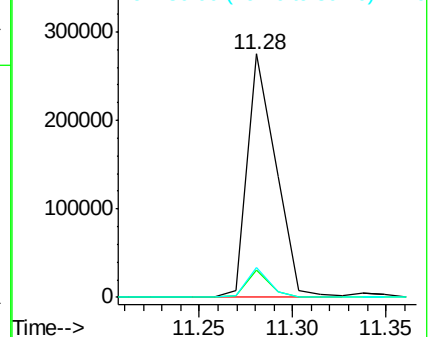
80 12.2 6.4 9.6#



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: 4.68 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.25 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

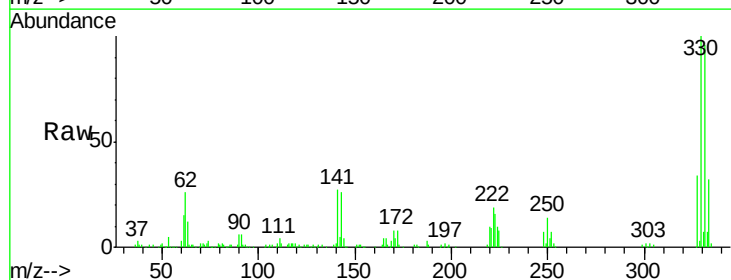
Tgt Ion:248 Resp: 13918

Ion Ratio Lower Upper

248 100

250 207.2 78.6 117.8#

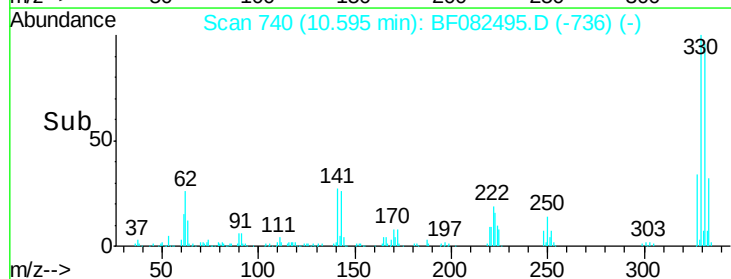
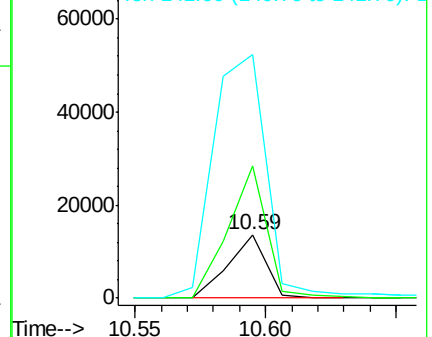
141 382.4 63.3 94.9#

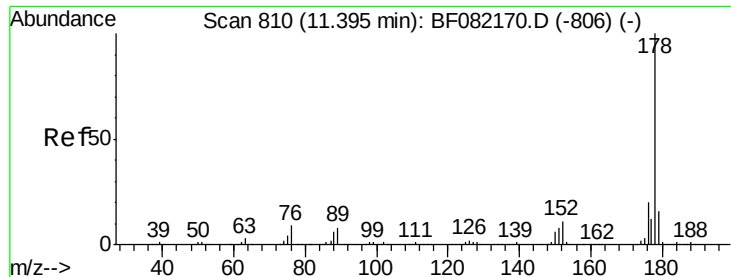


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 11.08 ng

RT: 11.30 min Scan# 802

Delta R.T. -0.02 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

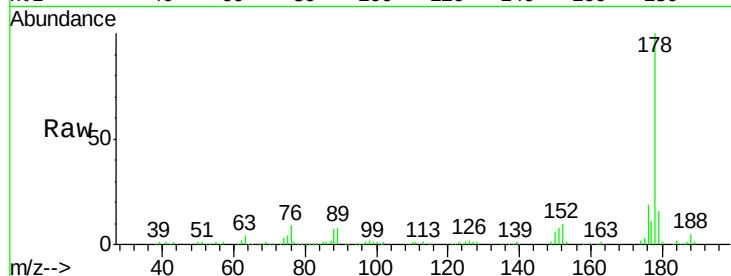
Tgt Ion:178 Resp: 161424

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

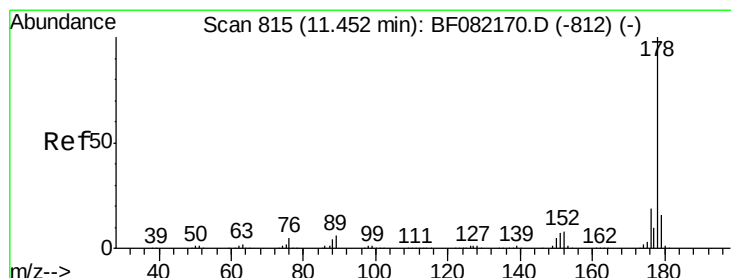
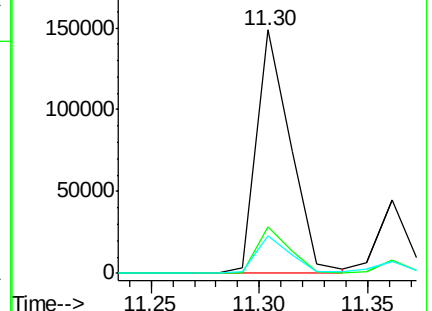
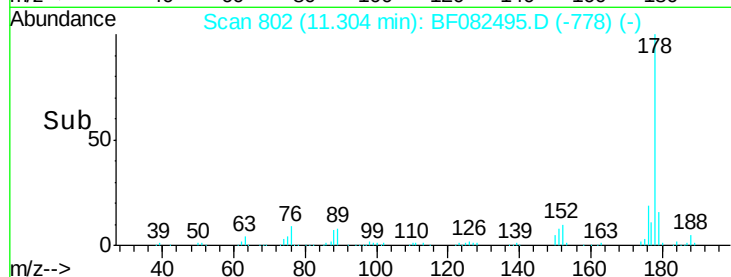
179 15.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.16 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

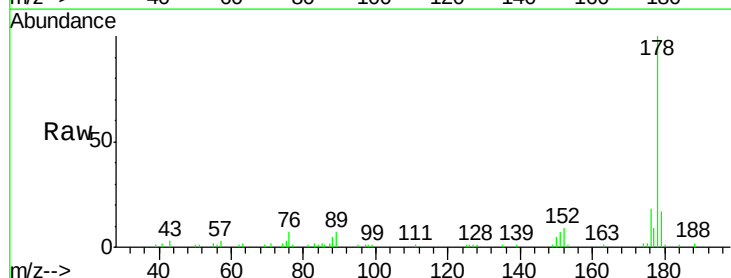
Tgt Ion:178 Resp: 47418

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

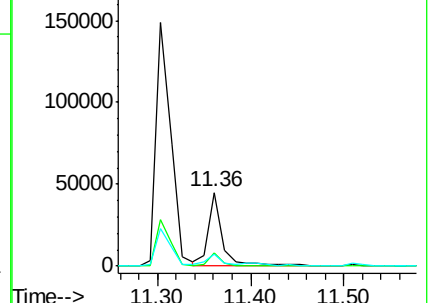
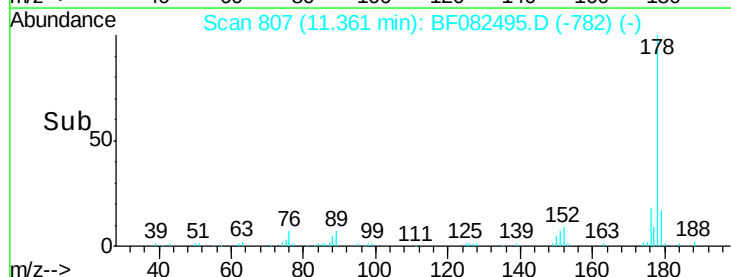
179 16.5 12.5 18.7

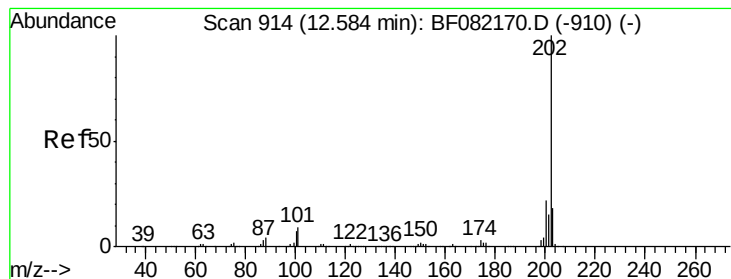


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.53 ng

RT: 12.49 min Scan# 906

Delta R.T. -0.02 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

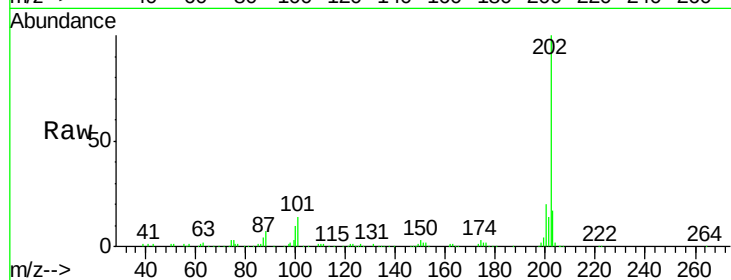
Tgt Ion:202 Resp: 211703

Ion Ratio Lower Upper

202 100

101 13.9 0.0 29.3

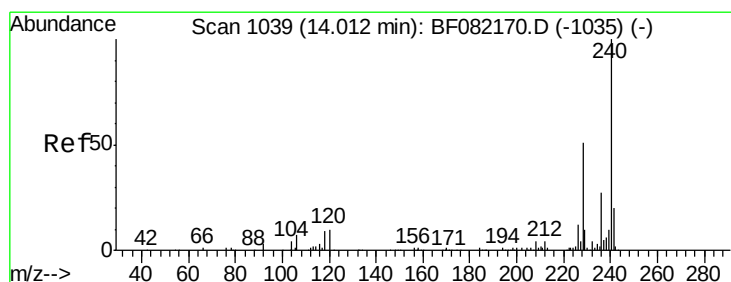
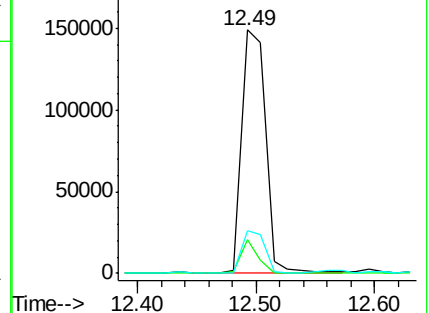
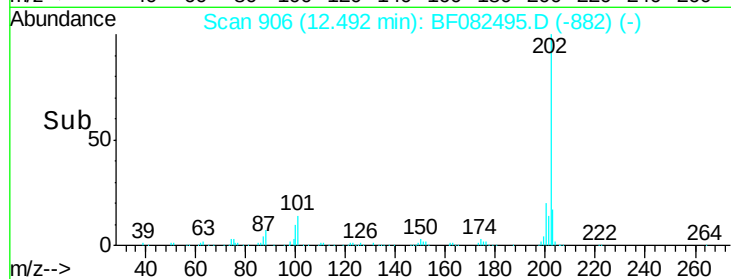
203 17.5 0.0 37.8



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: 13.94 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

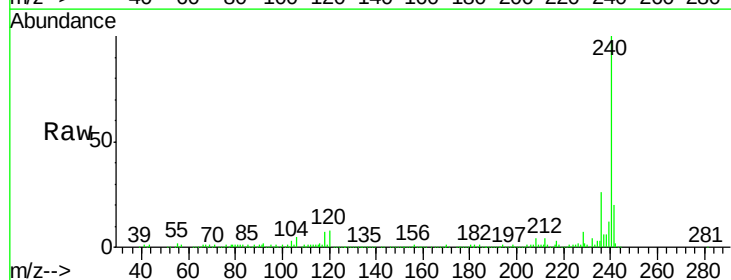
Tgt Ion:240 Resp: 228776

Ion Ratio Lower Upper

240 100

120 7.6 8.1 12.1#

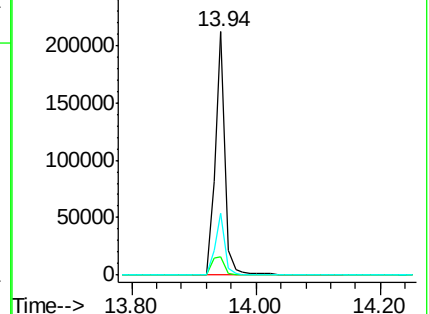
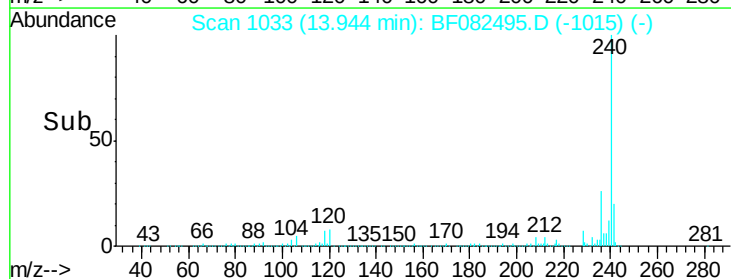
236 25.6 21.3 31.9

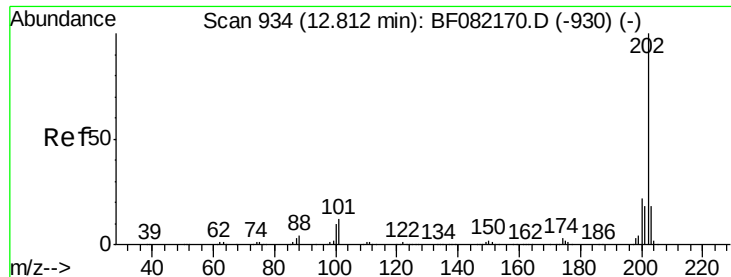


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.17 ng

RT: 12.72 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

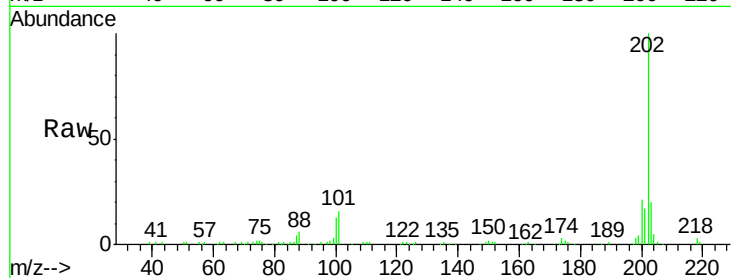
Tgt Ion:202 Resp: 178795

Ion Ratio Lower Upper

202 100

200 21.1 17.9 26.9

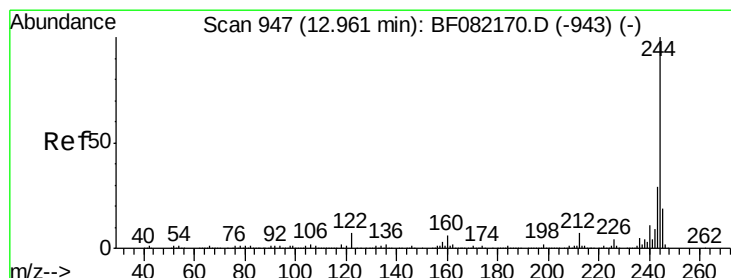
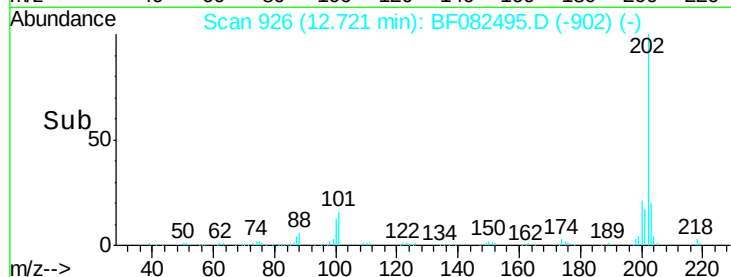
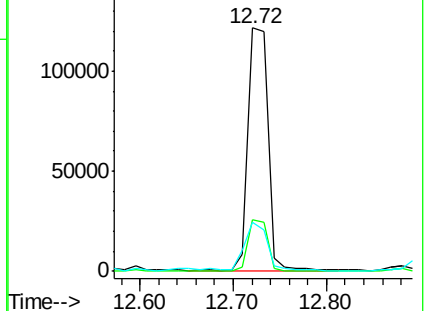
203 20.0 14.5 21.7



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: 104.30 ng

RT: 12.88 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

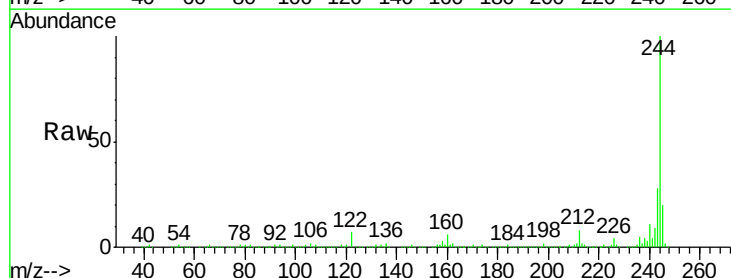
Tgt Ion:244 Resp: 900479

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

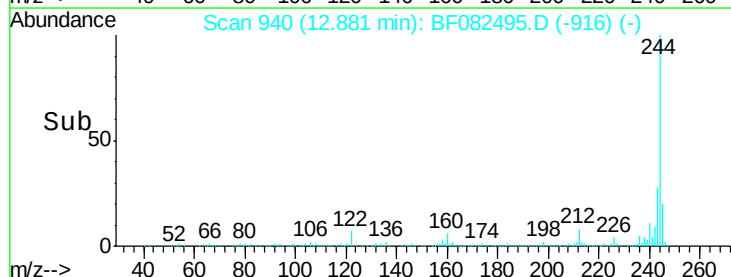
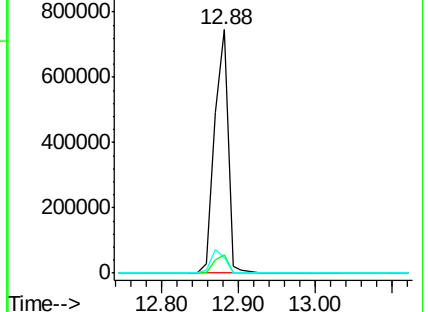
122 6.5 5.9 8.9

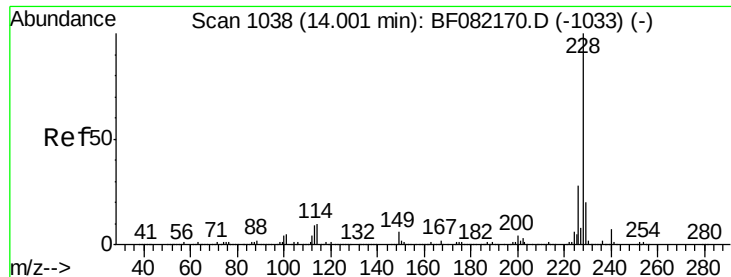


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.04 ng

RT: 13.93 min Scan# 1032

Delta R.T. -0.09 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

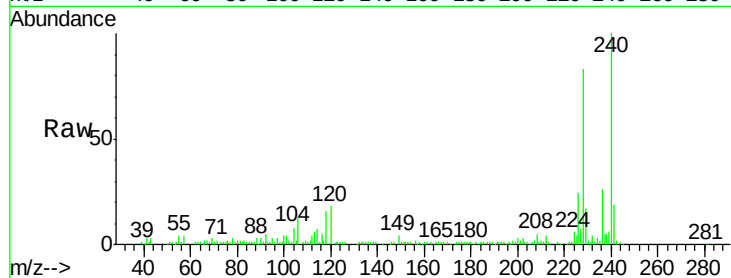
Tgt Ion:228 Resp: 71885

Ion Ratio Lower Upper

228 100

226 29.3 22.3 33.5

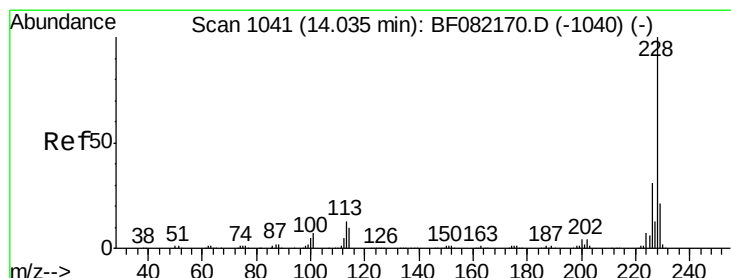
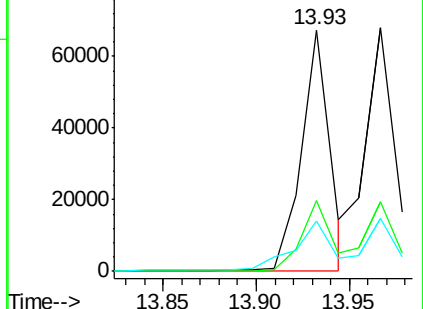
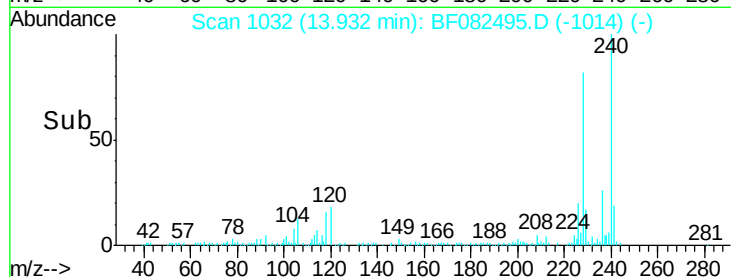
229 20.9 16.2 24.2



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: 5.04 ng

RT: 13.97 min Scan# 1035

Delta R.T. -0.10 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

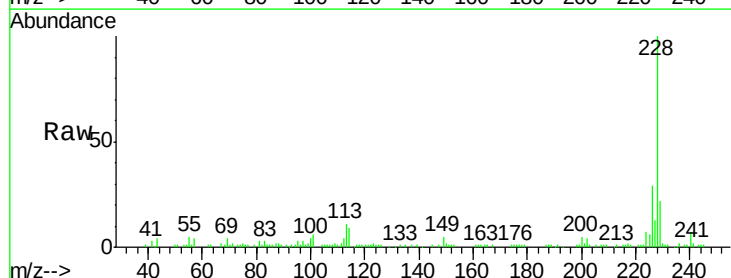
Tgt Ion:228 Resp: 63238

Ion Ratio Lower Upper

228 100

226 28.8 24.4 36.6

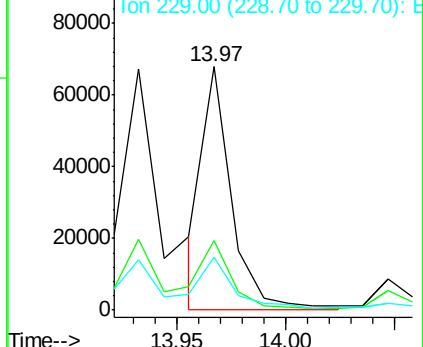
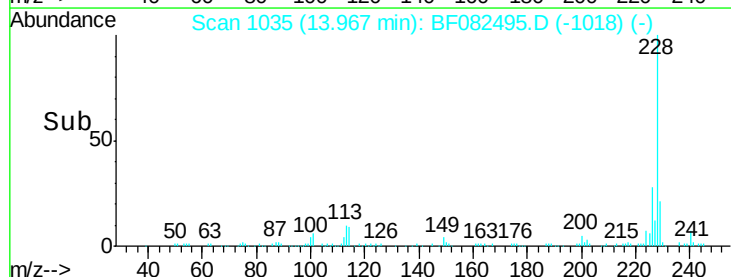
229 21.7 16.3 24.5

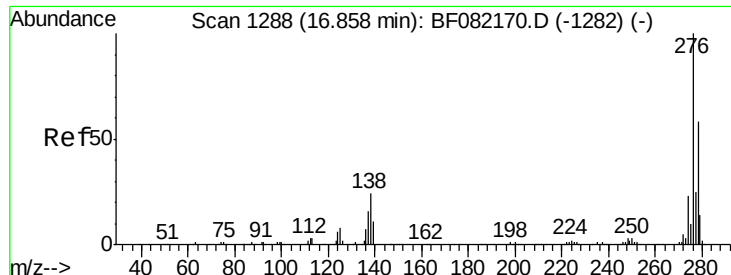


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.92 ng

RT: 16.79 min Scan# 1282

Delta R.T. -0.24 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

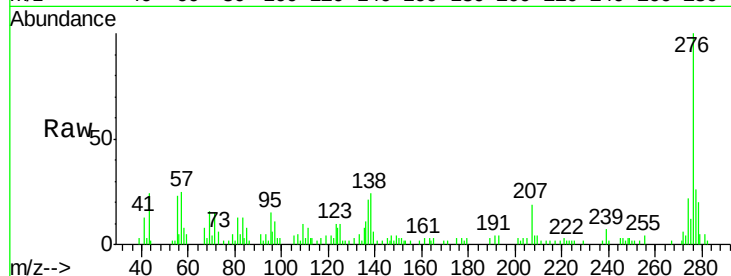
Tgt Ion:276 Resp: 39122

Ion Ratio Lower Upper

276 100

138 26.0 19.7 29.5

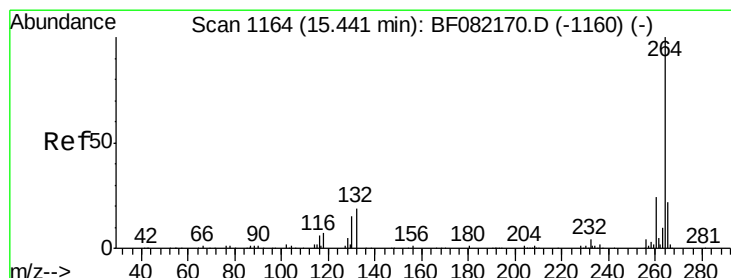
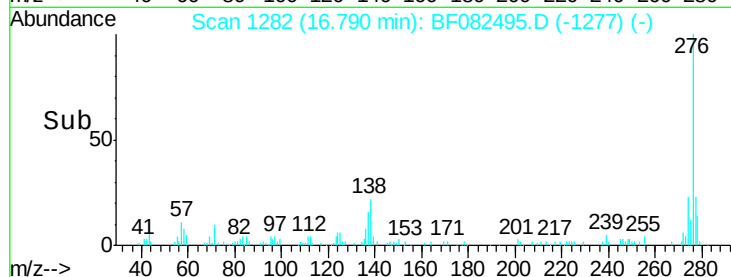
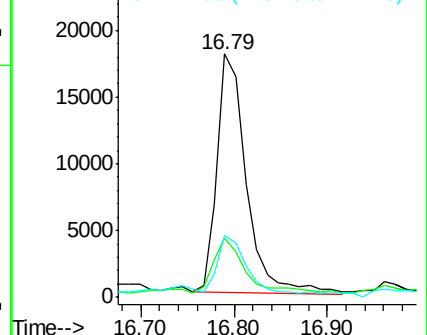
277 27.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1161

Delta R.T. -0.22 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

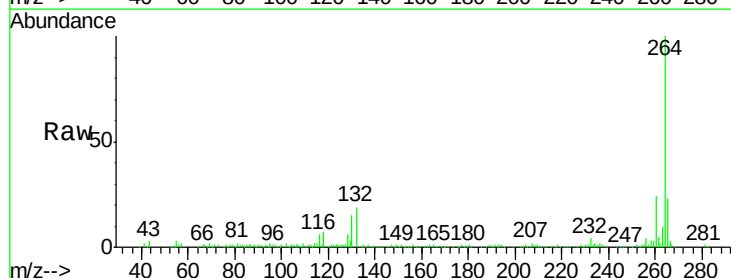
Tgt Ion:264 Resp: 197248

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

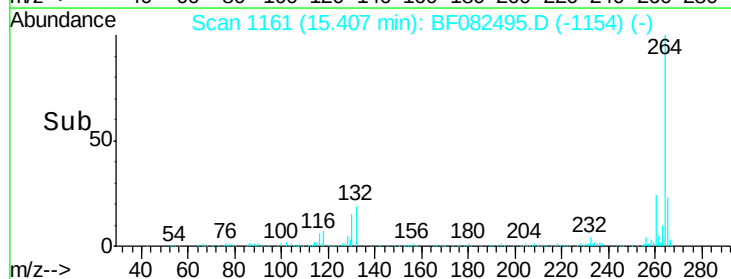
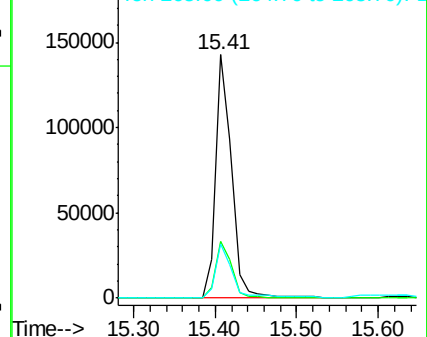
265 22.5 17.3 25.9

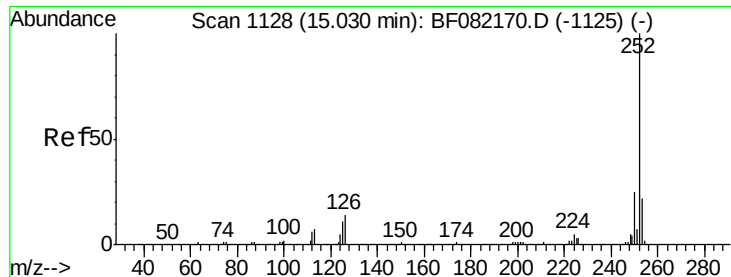


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.12 ng

RT: 15.01 min Scan# 1126

Delta R.T. -0.19 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

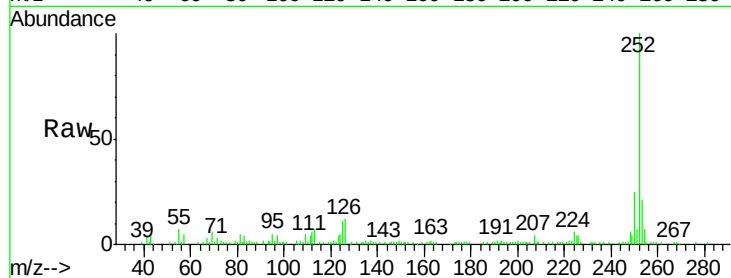
Tgt Ion:252 Resp: 121464

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

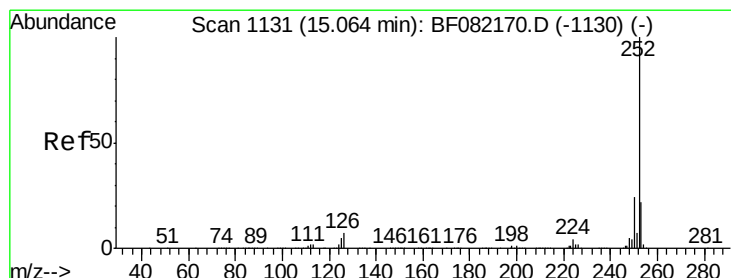
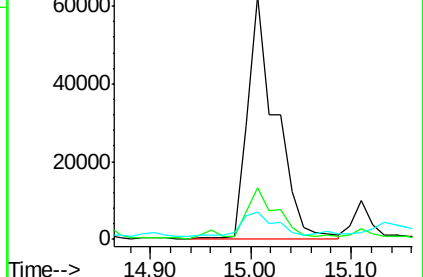
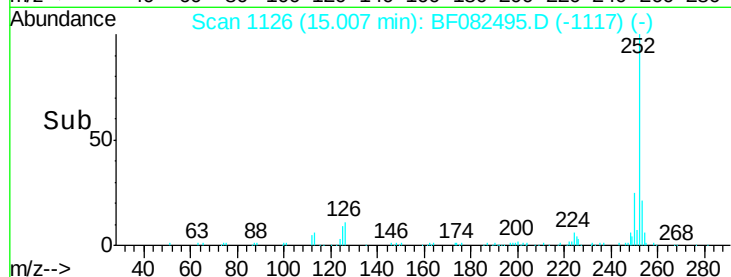
125 11.3 8.6 12.8



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: 12.04 ng

RT: 15.01 min Scan# 1126

Delta R.T. -0.23 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

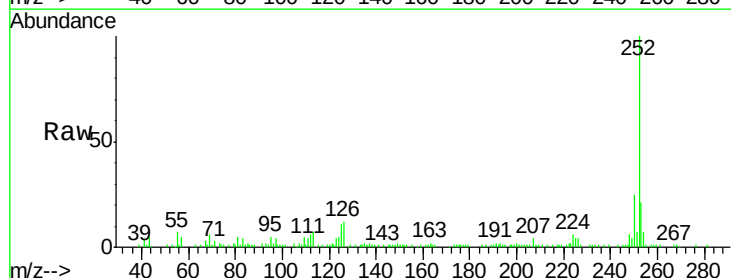
Tgt Ion:252 Resp: 121464

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

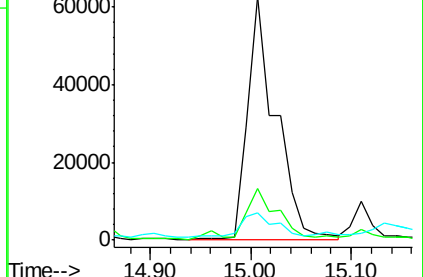
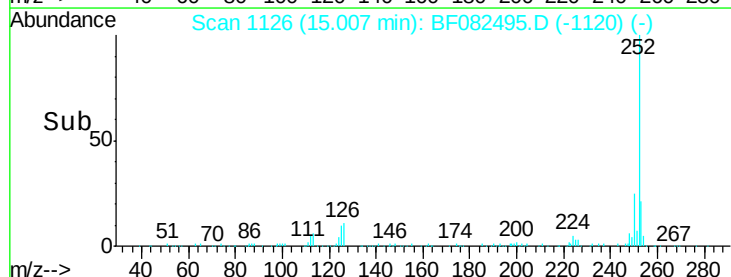
125 11.3 6.7 10.1#

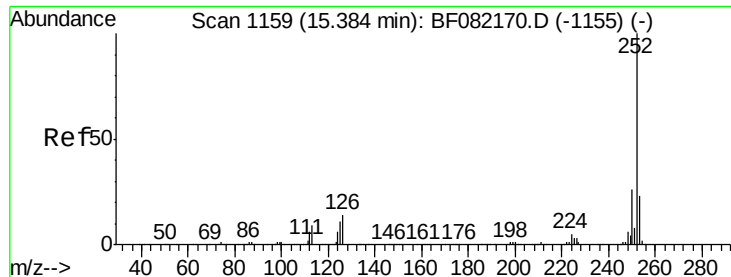


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.69 ng

RT: 15.35 min Scan# 1156

Delta R.T. -0.22 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

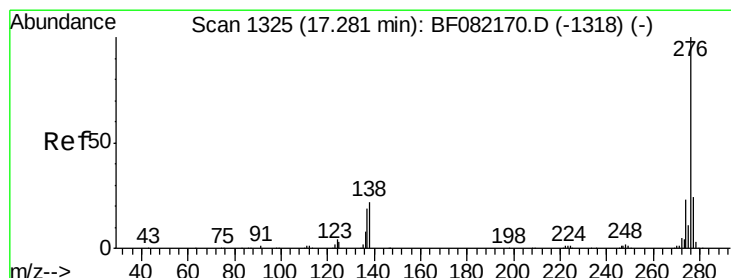
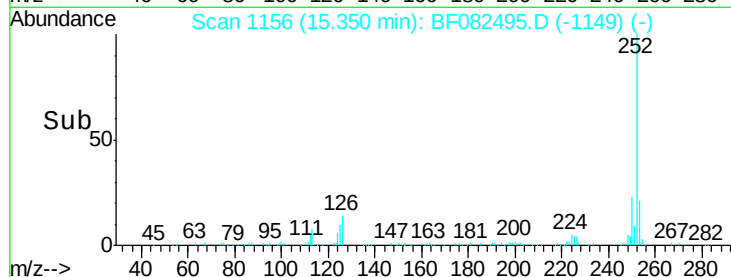
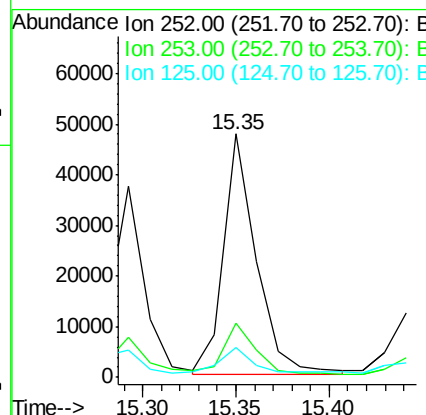
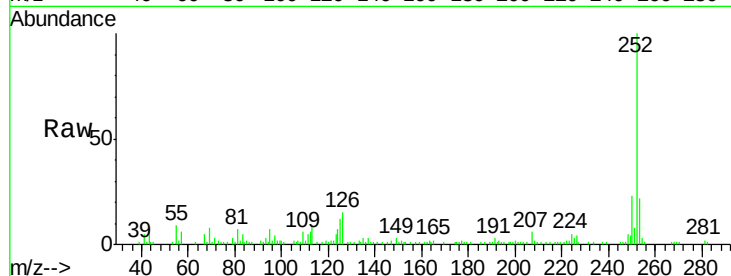
Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

Tgt Ion:	252	Resp:	58725
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	12.5	8.9	13.3



#91

Benzo(g,h,i)perylene

Concen: 5.13 ng

RT: 17.21 min Scan# 1319

Delta R.T. -0.25 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Tgt Ion:	276	Resp:	42142
Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	23.4	17.4	26.2

