

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088914.D
 Acq On : 11 Jul 2016 22:20
 Operator : UM/SJ
 Sample : H3921-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N8-B2(0-5)C

Quant Time: Jul 12 02:06:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	63469	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	257667	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	105251	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	169044	20.00	ng	0.00
75) Chrysene-d12	13.84	240	132246	20.00	ng	-0.01
86) Perylene-d12	15.21	264	112260	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	513456	121.24	ng	0.02
7) Phenol-d6	6.35	99	560494	102.43	ng	0.00
23) Nitrobenzene-d5	7.28	82	392734	79.87	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	113768	116.40	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	561695	84.30	ng	0.00
78) Terphenyl-d14	12.81	244	447230	75.32	ng	0.01

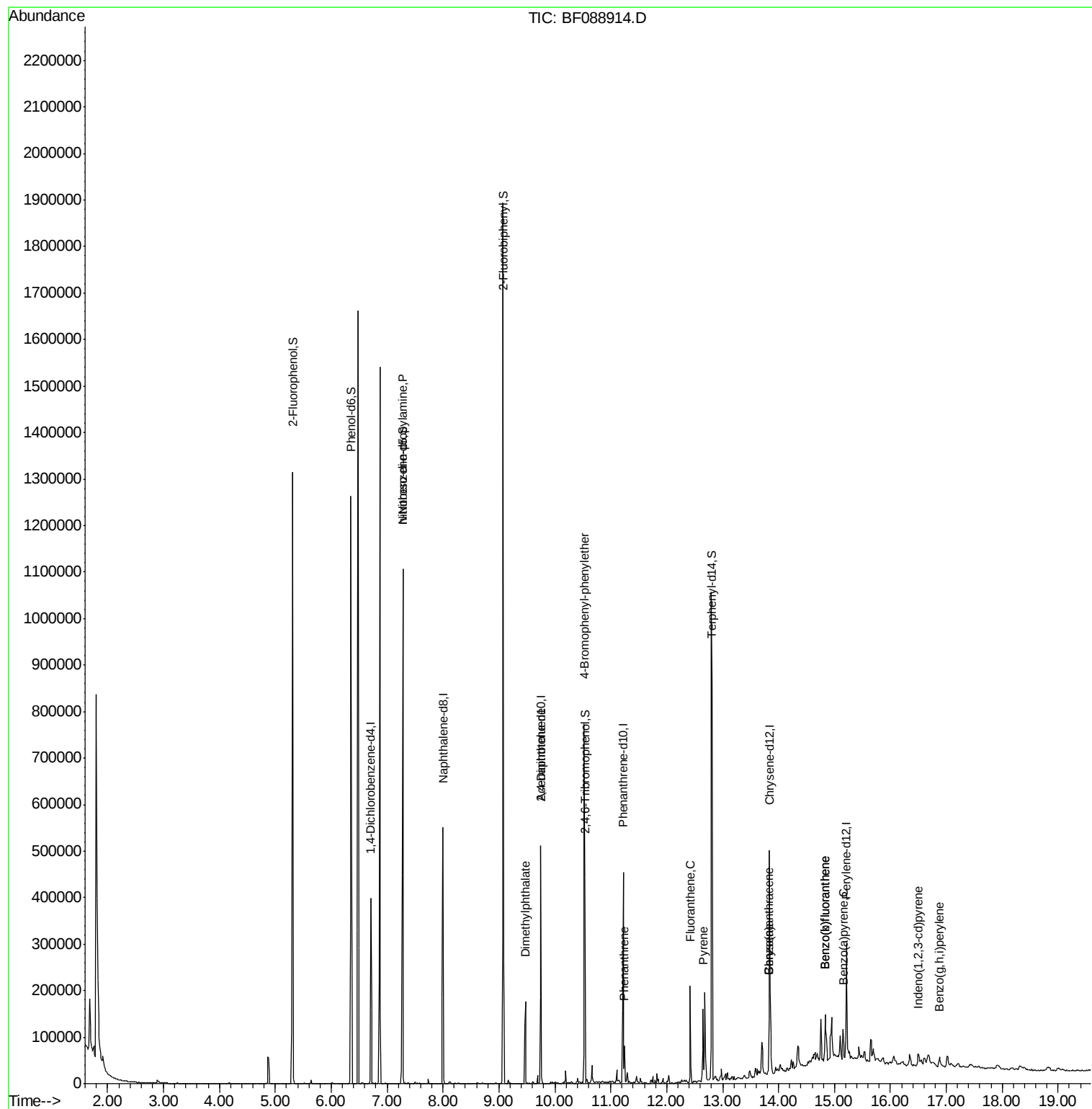
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	53724	14.62	ng	# 70
49) Dimethylphthalate	9.47	163	98485	13.13	ng	98
56) 2,4-Dinitrotoluene	9.75	165	12998	5.98	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	6968	4.09	ng	# 1
70) Phenanthrene	11.24	178	31235	3.38	ng	98
74) Fluoranthene	12.42	202	76066	8.12	ng	98
77) Pyrene	12.65	202	60403	5.39	ng	99
80) Benzo(a)anthracene	13.83	228	42926	5.04	ng	94
82) Chrysene	13.83	228	42926	5.10	ng	98
85) Indeno(1,2,3-cd)pyrene	16.50	276	16916	2.61	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	61076	8.67	ng	# 92
88) Benzo(k)fluoranthene	14.83	252	61076	9.96	ng	97
89) Benzo(a)pyrene	15.15	252	25944	4.35	ng	97
91) Benzo(g,h,i)perylene	16.88	276	15648	3.04	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

Instrument :

BNA_F

ClientSampleId :

N8-B2(0-5)C

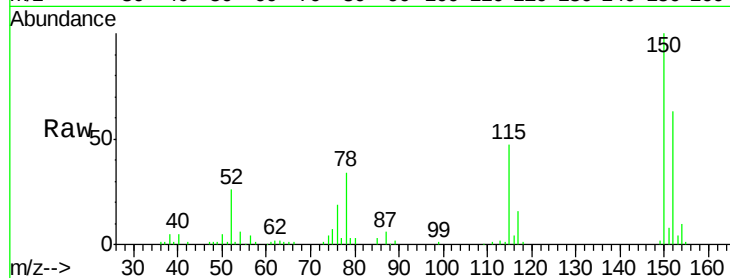
Tgt Ion:152 Resp: 63469

Ion Ratio Lower Upper

152 100

150 159.2 123.8 185.6

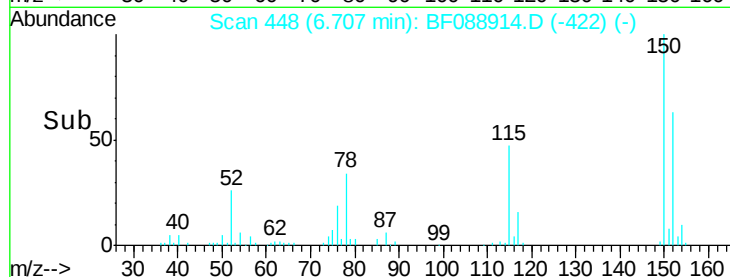
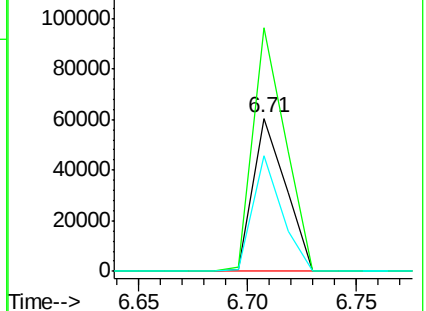
115 75.2 39.6 59.4#



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: 121.24 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.02 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

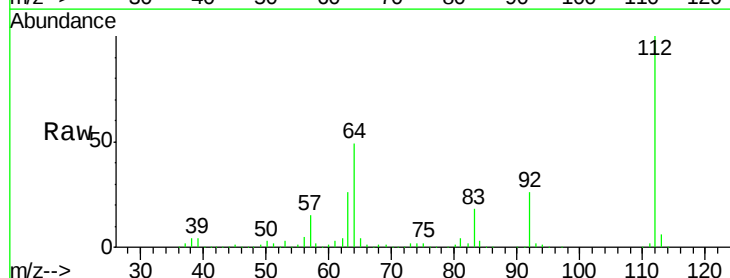
Tgt Ion:112 Resp: 513456

Ion Ratio Lower Upper

112 100

64 48.8 42.2 63.2

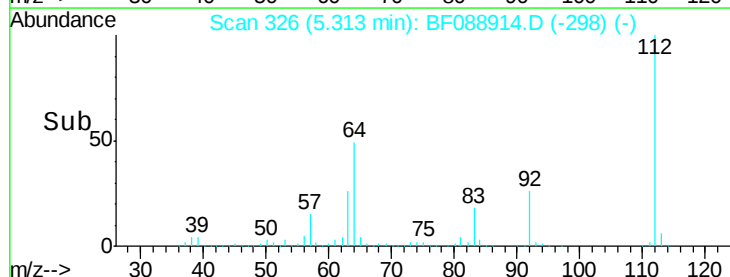
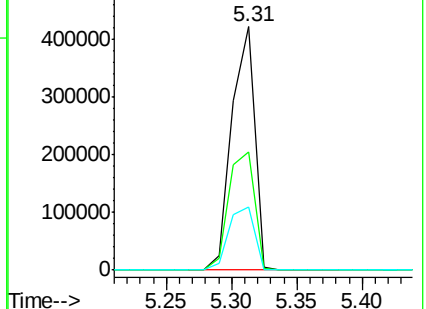
63 25.8 21.8 32.8



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: 102.43 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

Instrument :

BNA_F

ClientSampleId :

N8-B2(0-5)C

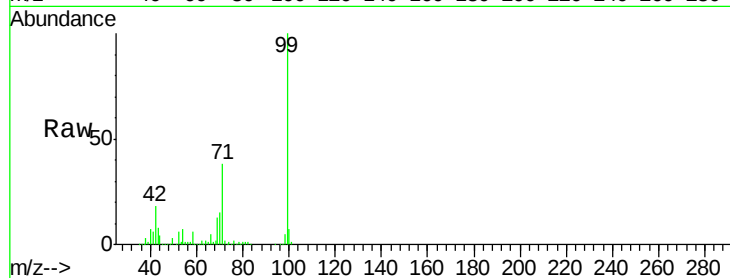
Tgt Ion: 99 Resp: 560494

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

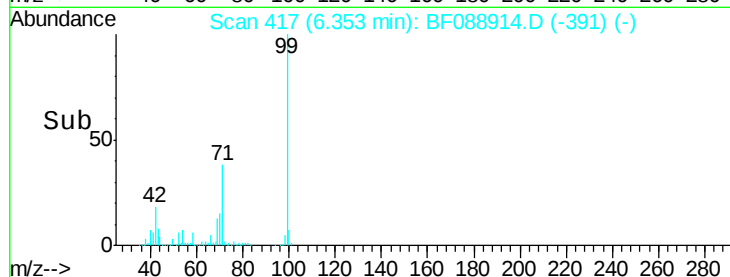
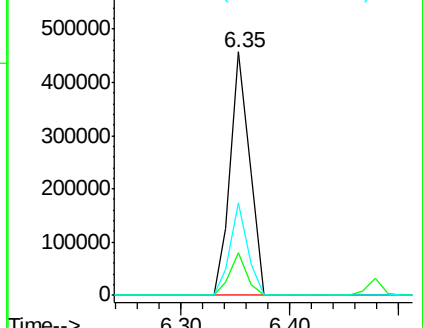
71 37.8 23.4 35.0#



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: 14.62 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

Tgt Ion: 70 Resp: 53724

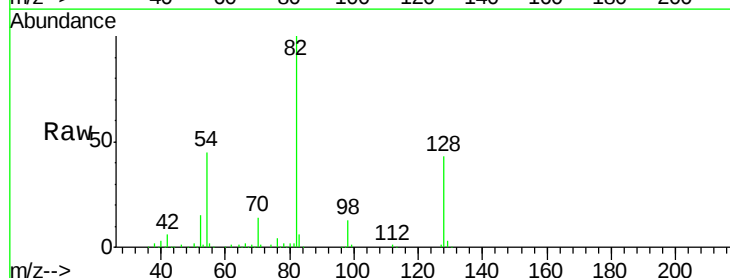
Ion Ratio Lower Upper

70 100

42 40.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

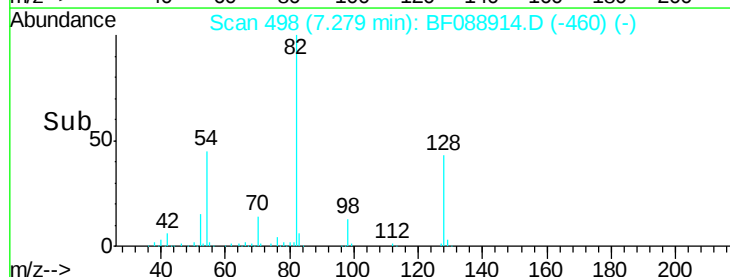
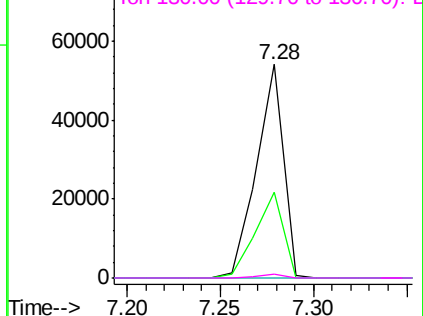


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

Instrument :

BNA_F

ClientSampleId :

N8-B2(0-5)C

Tgt Ion: 136 Resp: 257667

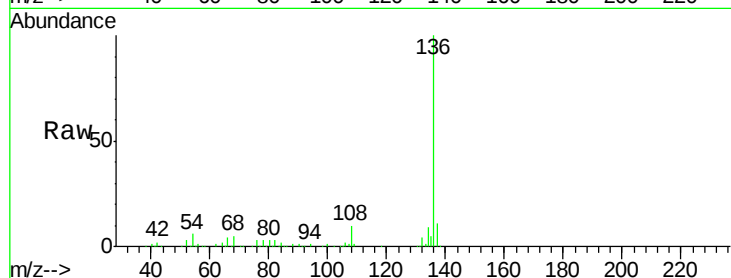
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.7 6.6 10.0#

68 4.8 5.1 7.7#

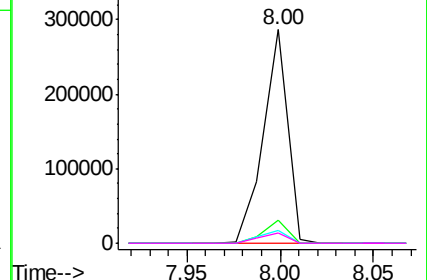
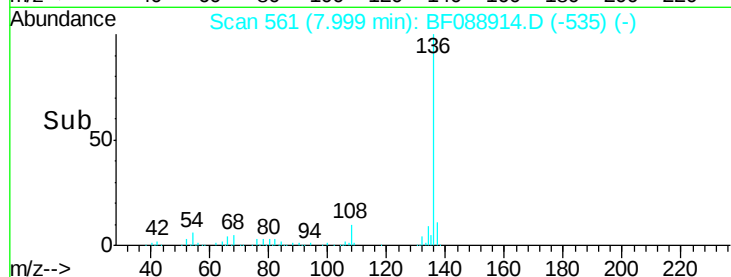


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.87 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

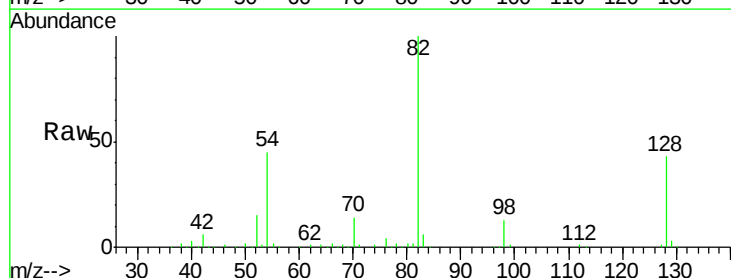
Tgt Ion: 82 Resp: 392734

Ion Ratio Lower Upper

82 100

128 43.0 35.9 53.9

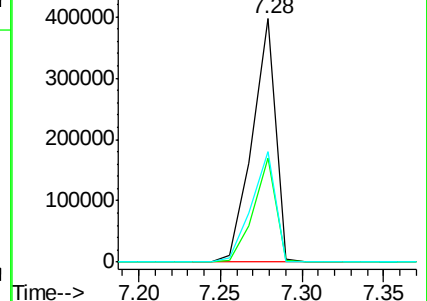
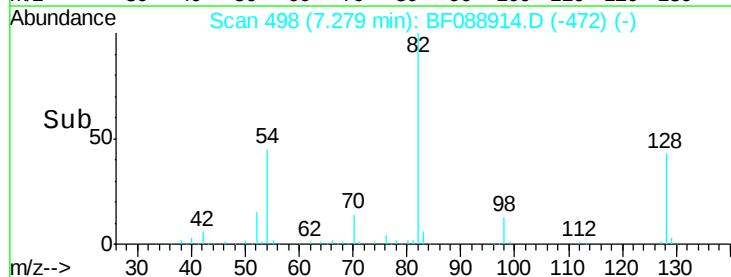
54 45.3 40.9 61.3

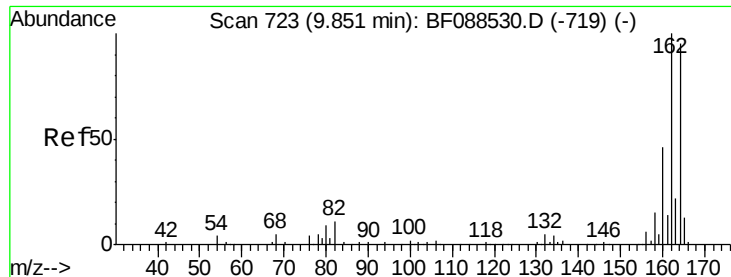


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.75 min Scan# 714

Delta R.T. -0.00 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

Instrument :

BNA_F

ClientSampleId :

N8-B2(0-5)C

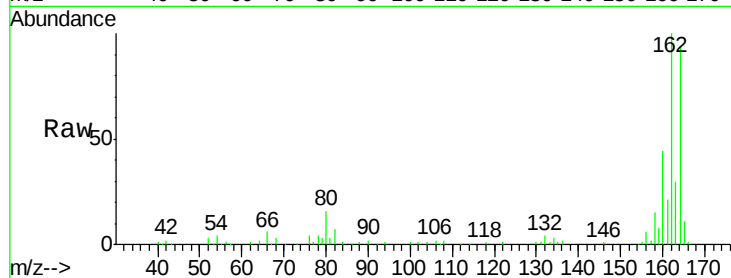
Tgt Ion:164 Resp: 105251

Ion Ratio Lower Upper

164 100

162 106.6 85.4 128.2

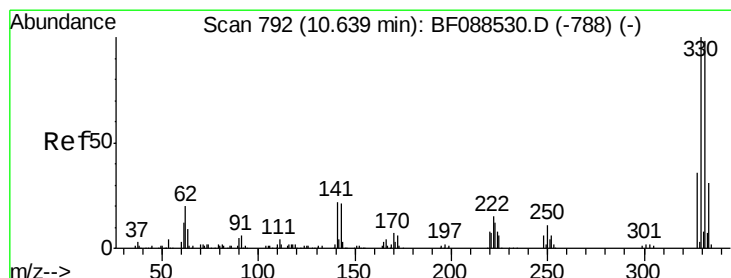
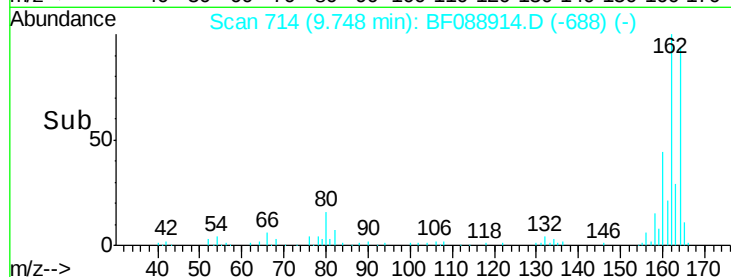
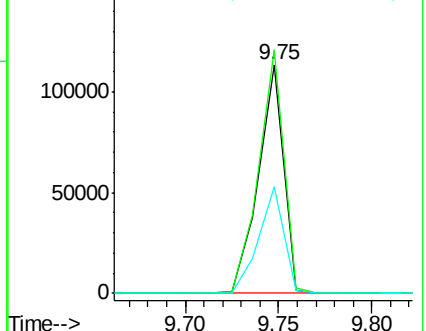
160 46.8 39.5 59.3



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: 116.40 ng

RT: 10.54 min Scan# 783

Delta R.T. -0.00 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

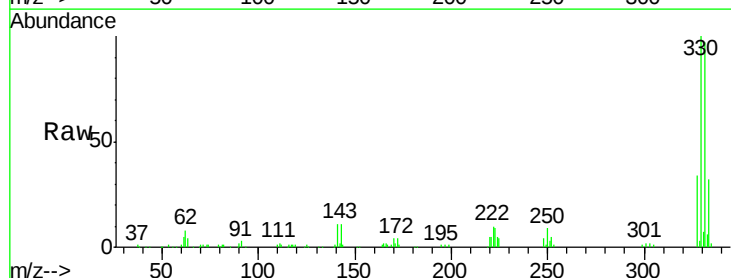
Tgt Ion:330 Resp: 113768

Ion Ratio Lower Upper

330 100

332 96.0 0.0 0.0#

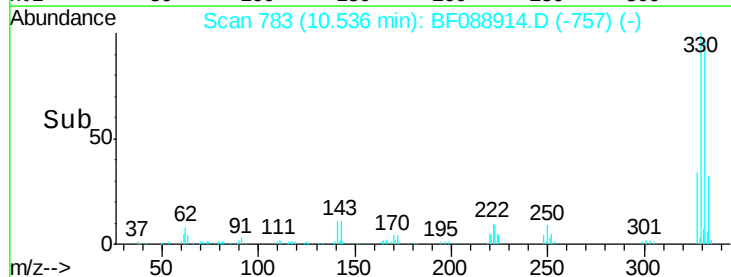
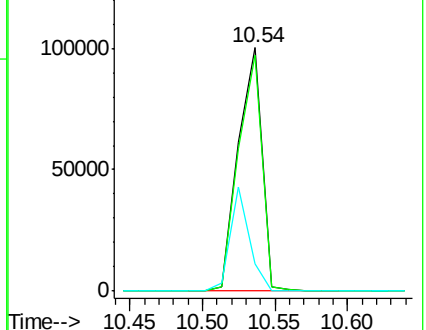
141 34.7 0.0 0.0#



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

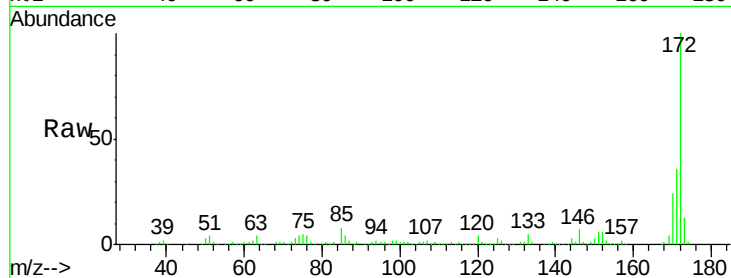




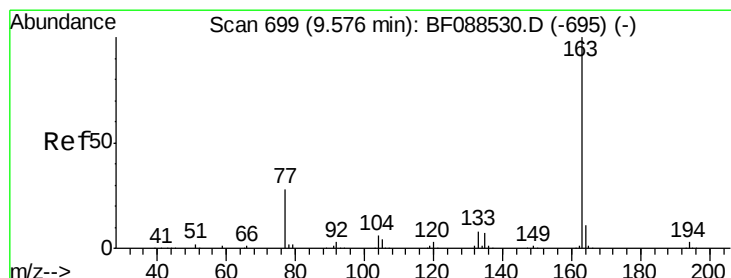
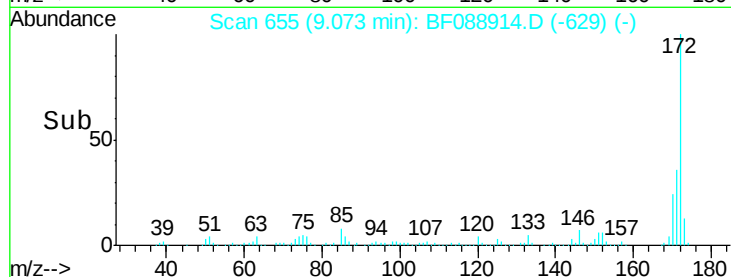
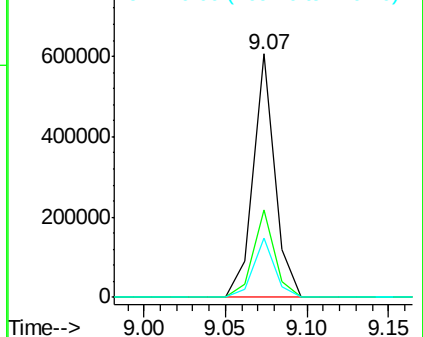
#44
 2-Fluorobiphenyl
 Concen: 84.30 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 N8-B2(0-5)C

Tgt Ion:172 Resp: 561695
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.2 19.2 28.8

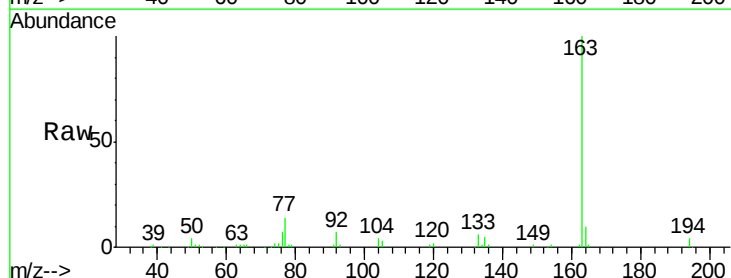


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

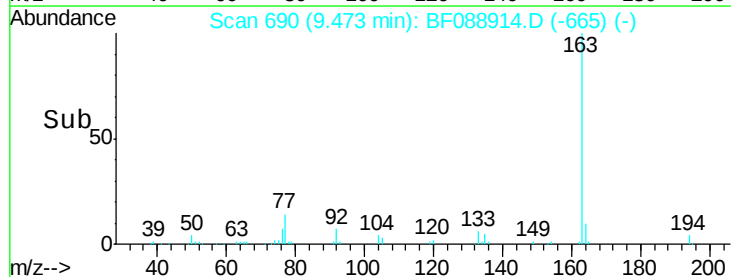
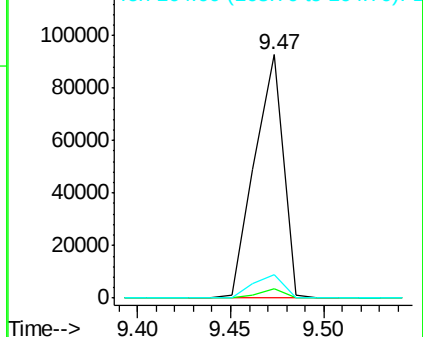


#49
 Dimethylphthalate
 Concen: 13.13 ng
 RT: 9.47 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

Tgt Ion:163 Resp: 98485
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.8 4.2
 164 9.8 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

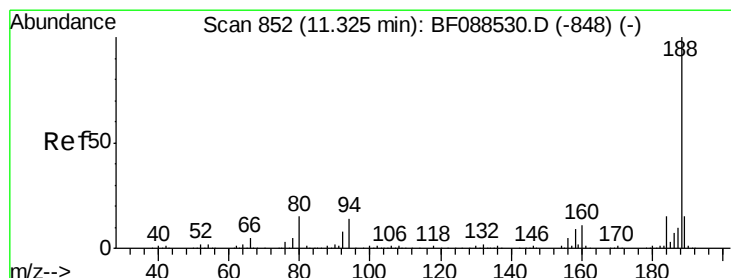
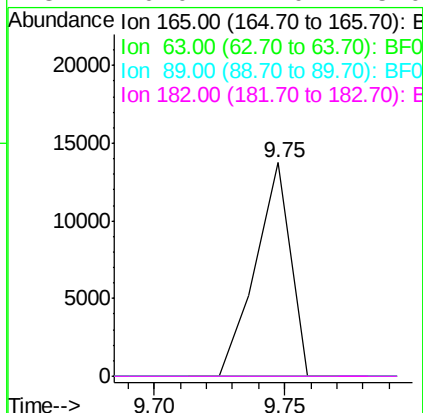
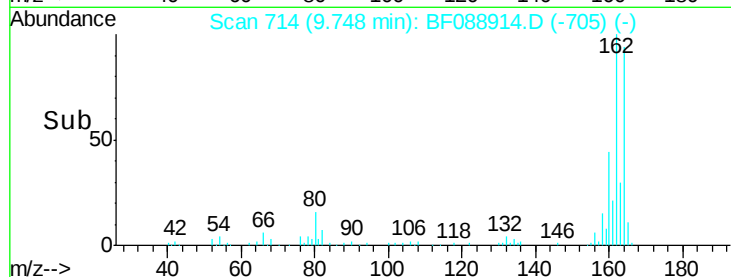
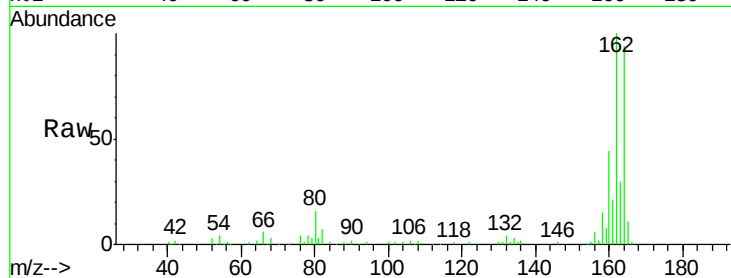




#56
 2,4-Dinitrotoluene
 Concen: 5.98 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.19 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

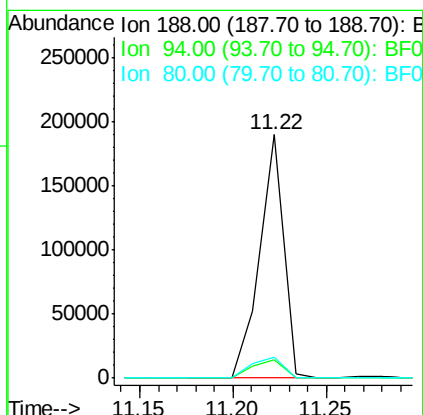
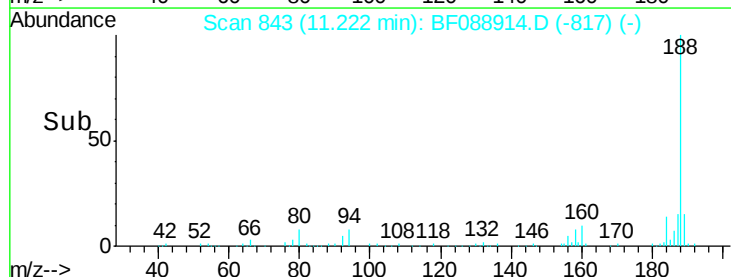
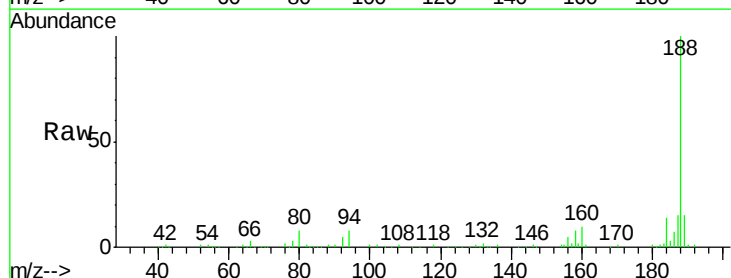
Instrument :
 BNA_F
 ClientSampleId :
 N8-B2(0-5)C

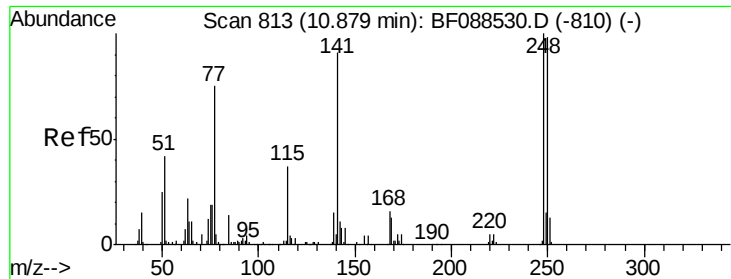
Tgt Ion:	165	Resp:	12998
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

Tgt Ion:	188	Resp:	169044
Ion	Ratio	Lower	Upper
188	100		
94	7.6	9.0	13.6#
80	8.4	10.0	15.0#

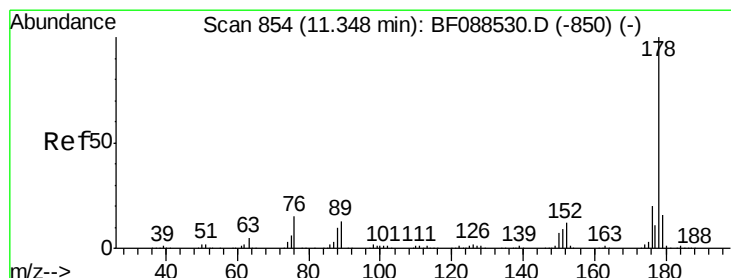
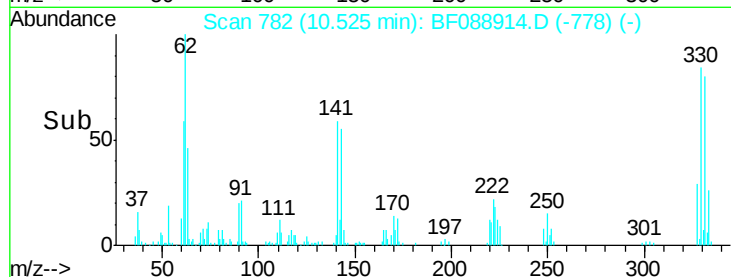
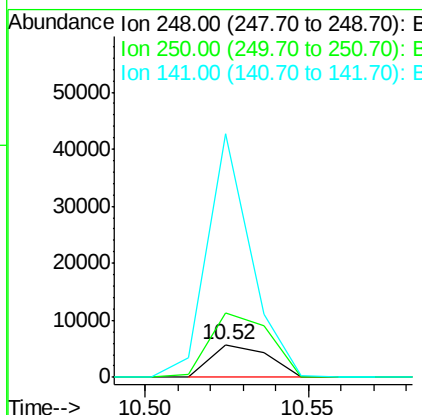
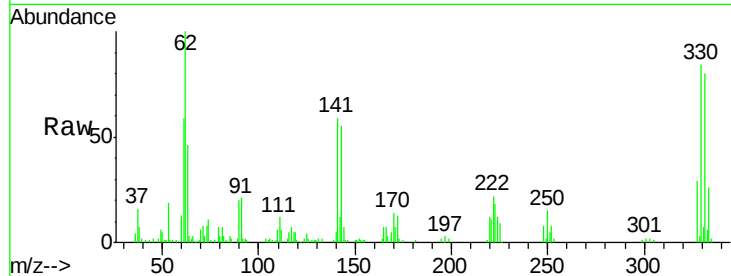




#66
 4-Bromophenyl-phenylether
 Concen: 4.09 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.25 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

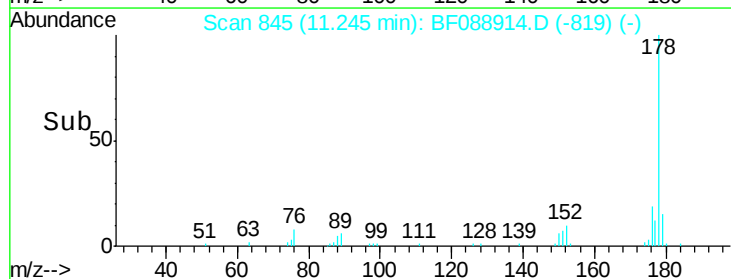
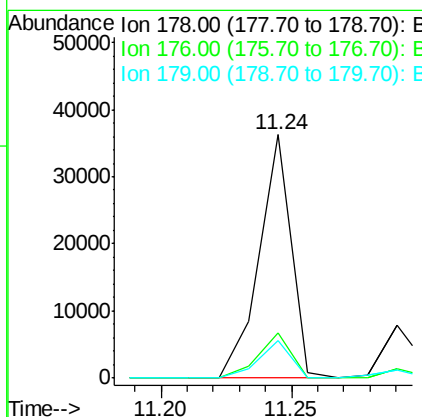
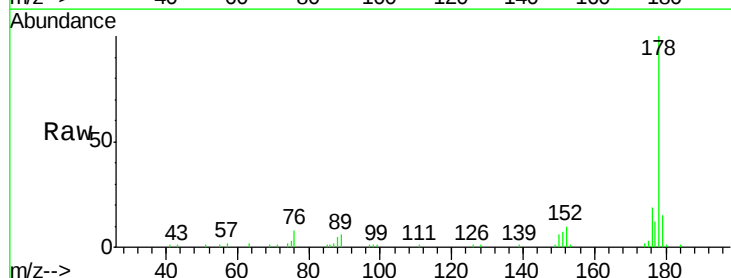
Instrument :
 BNA_F
 ClientSampled :
 N8-B2(0-5)C

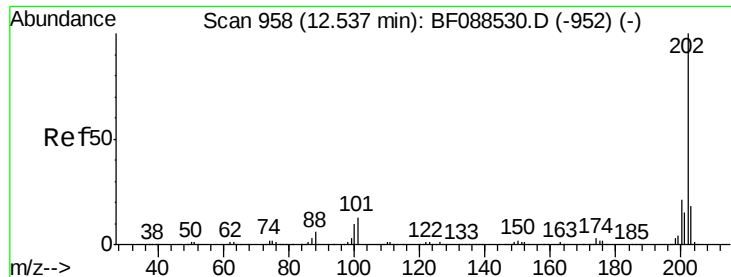
Tgt Ion:248 Resp: 6968
 Ion Ratio Lower Upper
 248 100
 250 196.1 77.1 115.7#
 141 745.5 50.6 76.0#



#70
 Phenanthrene
 Concen: 3.38 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

Tgt Ion:178 Resp: 31235
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.6
 179 15.3 13.0 19.4





#74

Fluoranthene

Concen: 8.12 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

Instrument :

BNA_F

ClientSampleId :

N8-B2(0-5)C

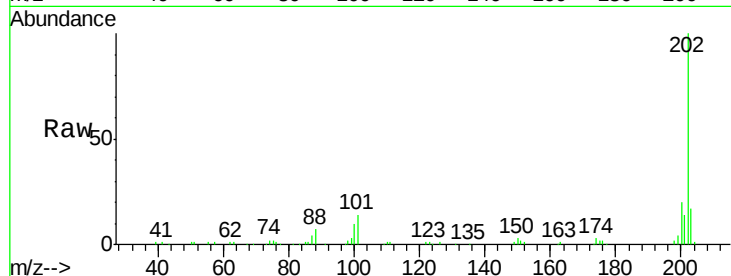
Tgt Ion:202 Resp: 76066

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.1

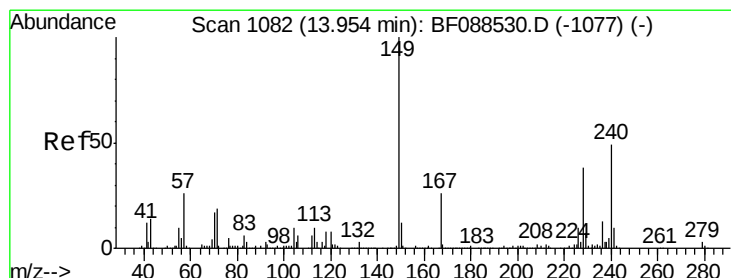
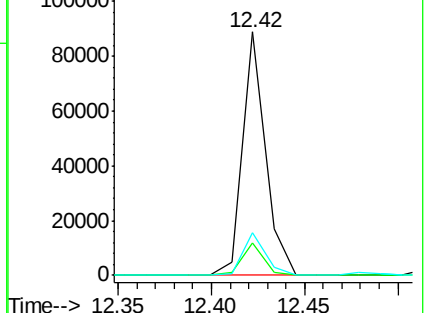
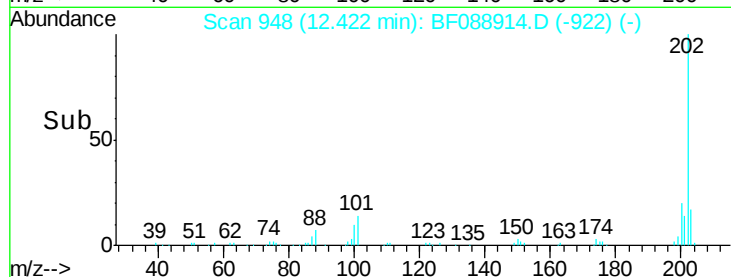
203 17.3 0.0 38.1



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: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

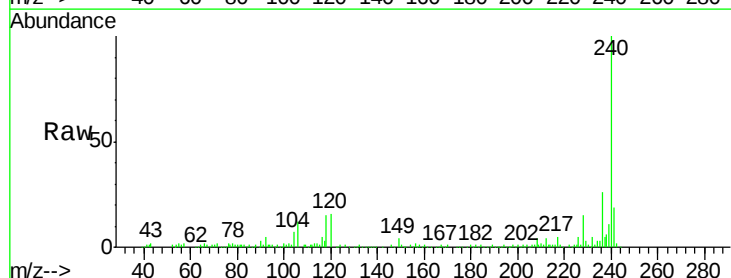
Tgt Ion:240 Resp: 132246

Ion Ratio Lower Upper

240 100

120 15.6 6.8 10.2#

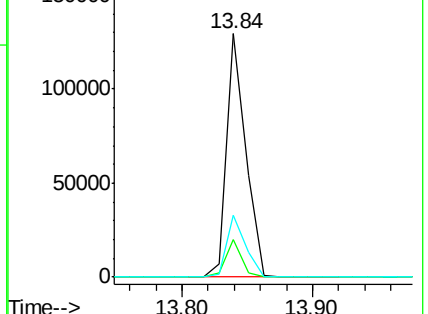
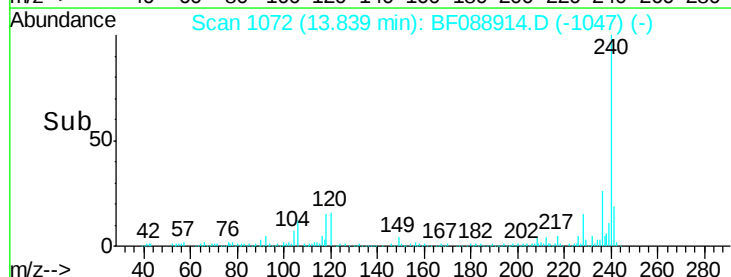
236 25.6 20.2 30.2

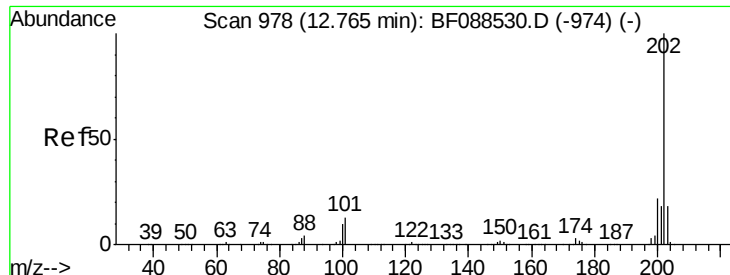


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

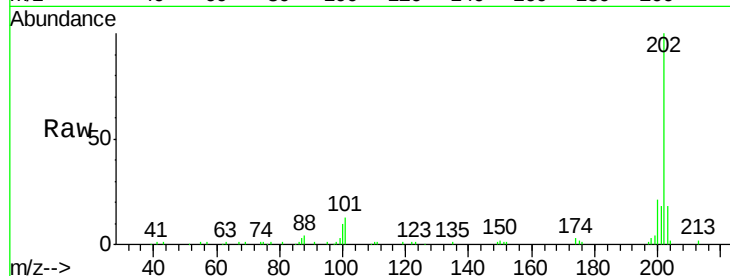




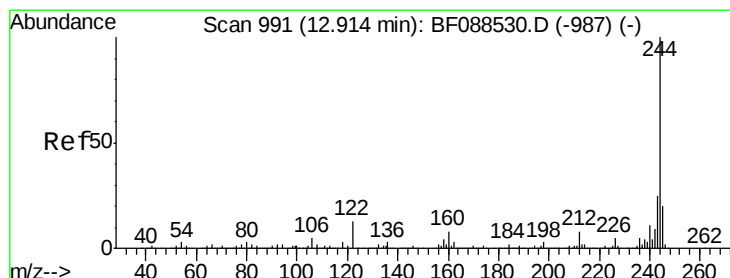
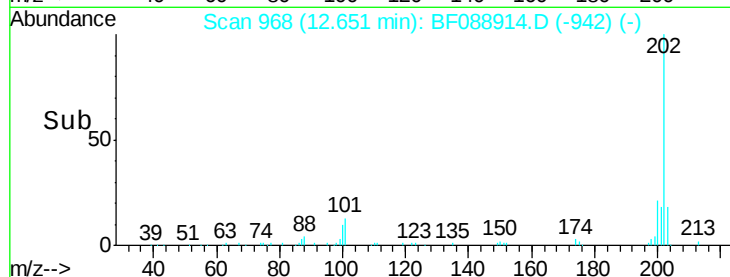
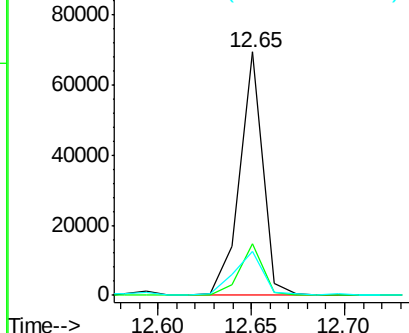
#77
 Pyrene
 Concen: 5.39 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 N8-B2(0-5)C

Tgt Ion: 202 Resp: 60403
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.4 26.2
 203 17.9 14.5 21.7

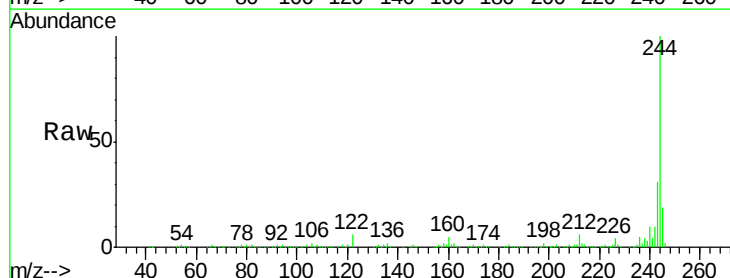


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

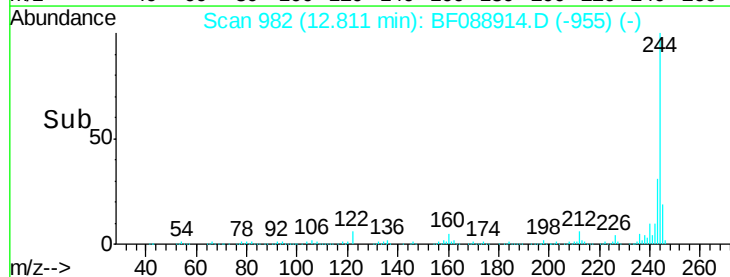
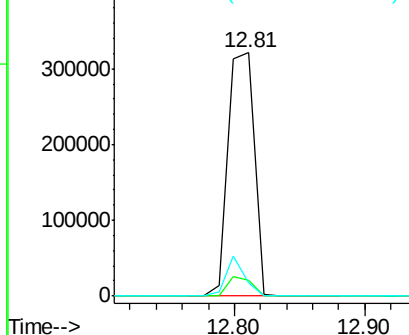


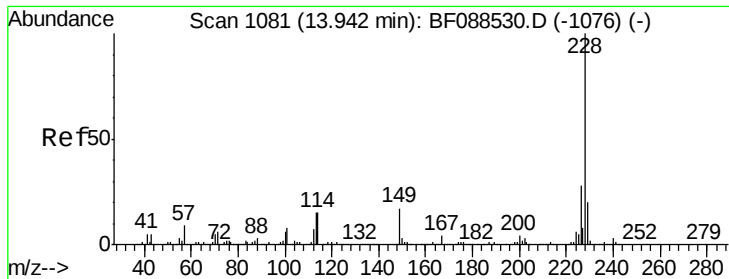
#78
 Terphenyl-d14
 Concen: 75.32 ng
 RT: 12.81 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

Tgt Ion: 244 Resp: 447230
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 5.5 11.2 16.8#



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: 5.04 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

Instrument :

BNA_F

ClientSampleId :

N8-B2(0-5)C

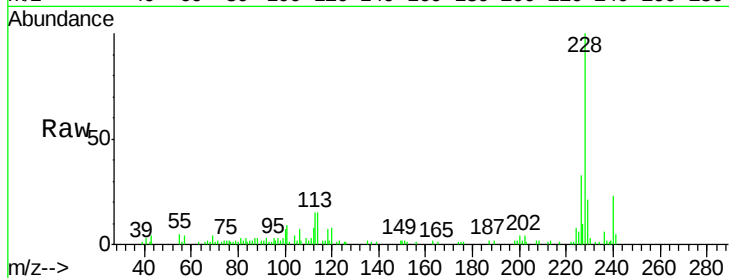
Tgt Ion:228 Resp: 42926

Ion Ratio Lower Upper

228 100

226 32.7 22.3 33.5

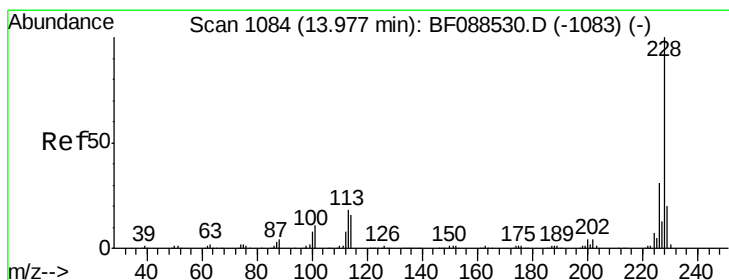
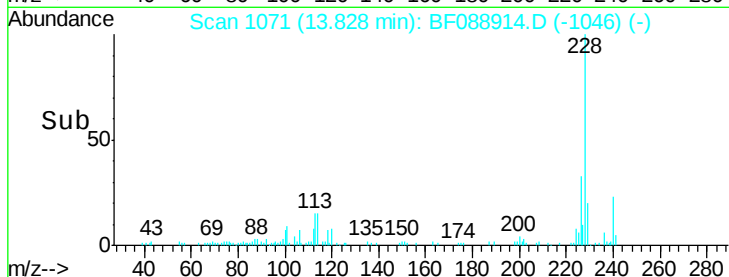
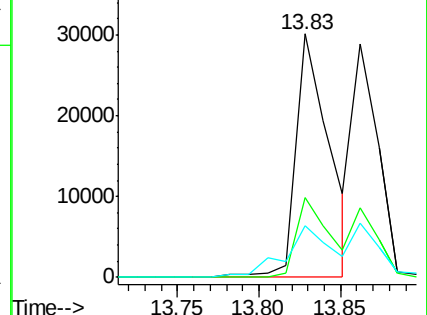
229 21.1 16.0 24.0



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: 5.10 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

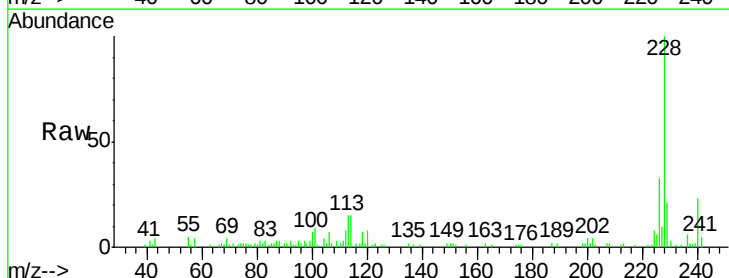
Tgt Ion:228 Resp: 42926

Ion Ratio Lower Upper

228 100

226 32.7 25.4 38.2

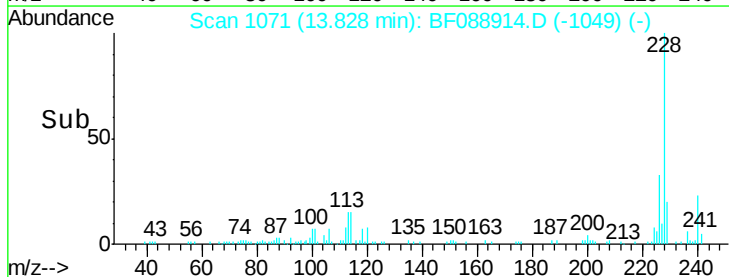
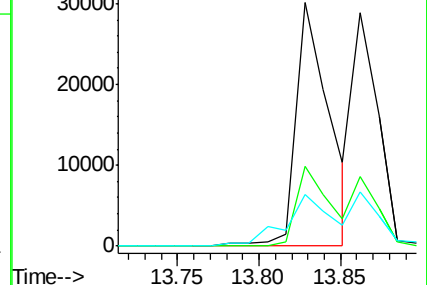
229 21.1 16.3 24.5

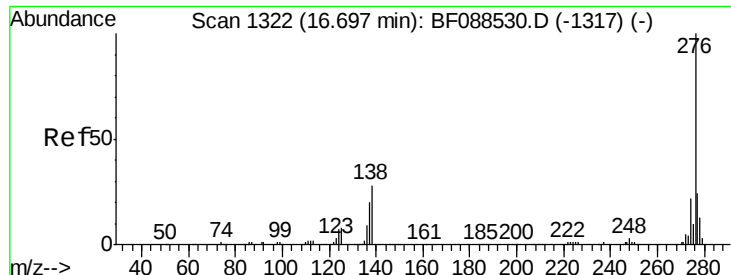


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

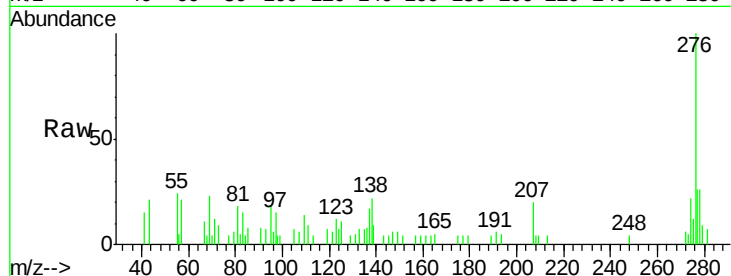




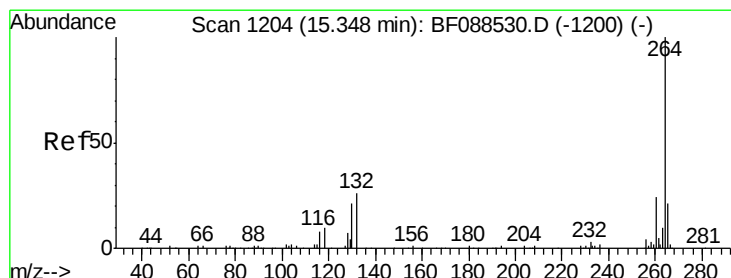
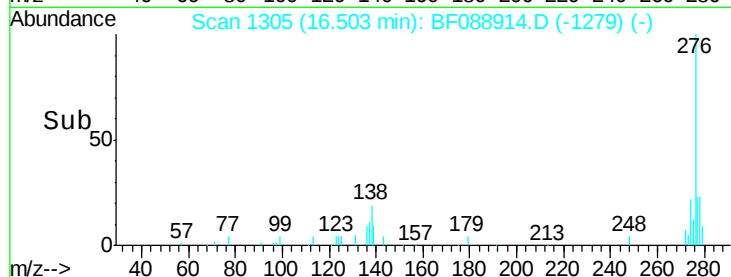
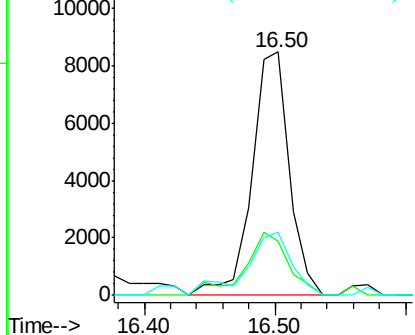
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.61 ng
 RT: 16.50 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 N8-B2(0-5)C

Tgt Ion: 276 Resp: 16916
 Ion Ratio Lower Upper
 276 100
 138 30.2 0.0 0.0#
 277 31.8 0.0 0.0#

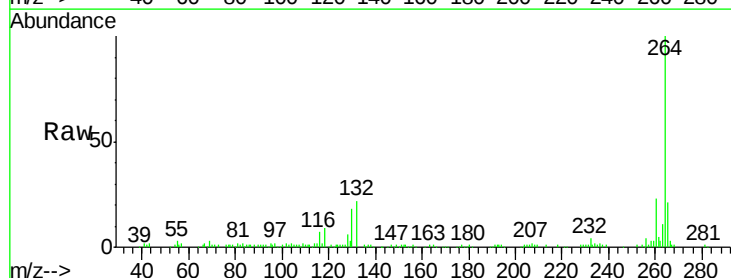


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

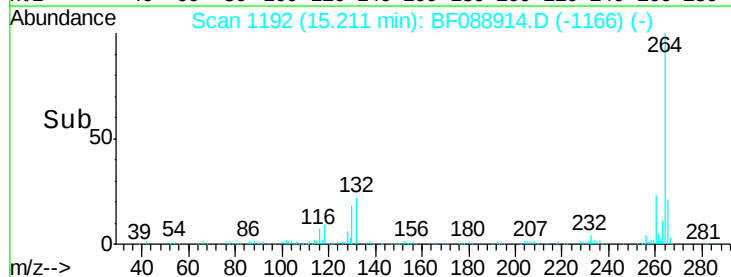
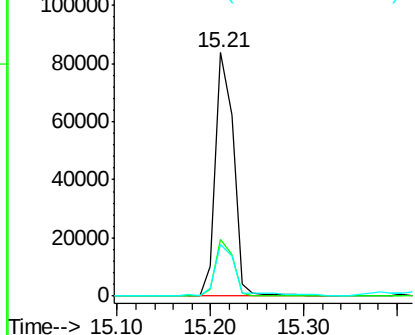


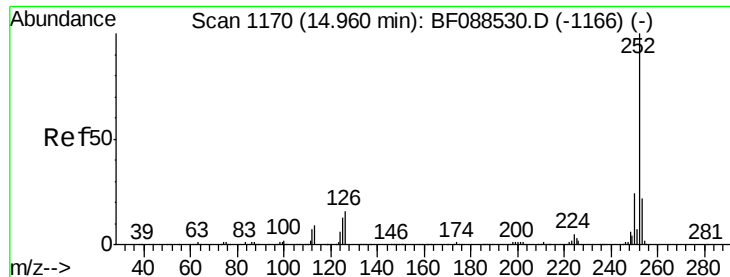
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF088914.D
 Acq: 11 Jul 2016 22:20

Tgt Ion: 264 Resp: 112260
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.0 16.9 25.3



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: 8.67 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

Instrument :

BNA_F

ClientSampleId :

N8-B2(0-5)C

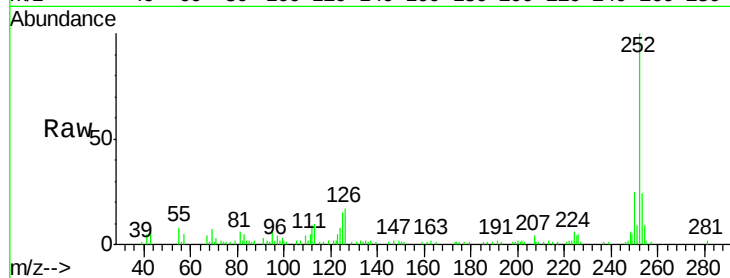
Tgt Ion:252 Resp: 61076

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

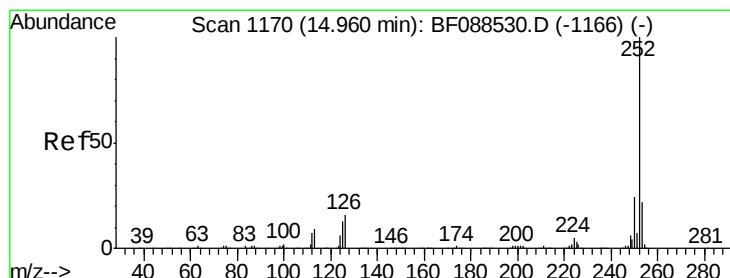
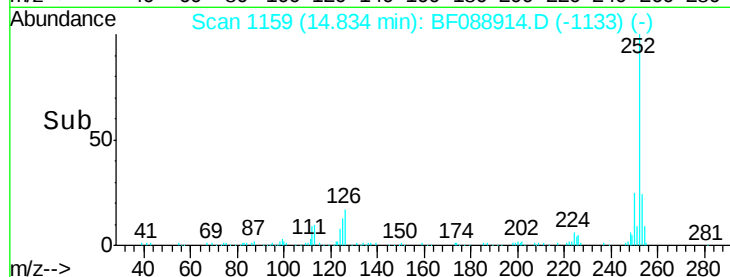
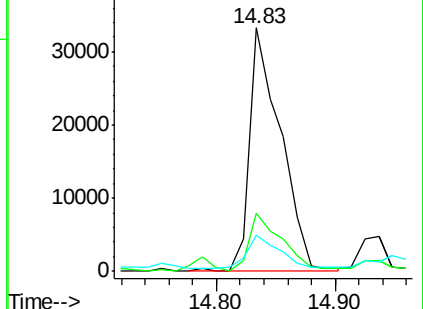
125 15.1 7.1 10.7#



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: 9.96 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

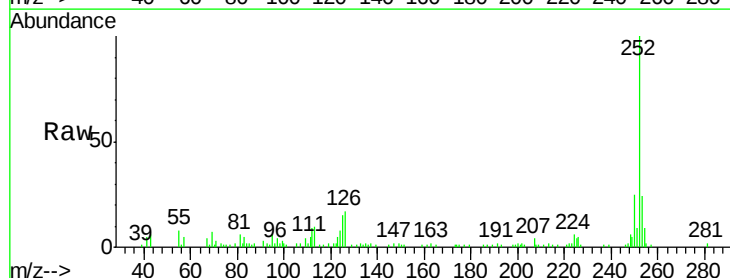
Tgt Ion:252 Resp: 61076

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

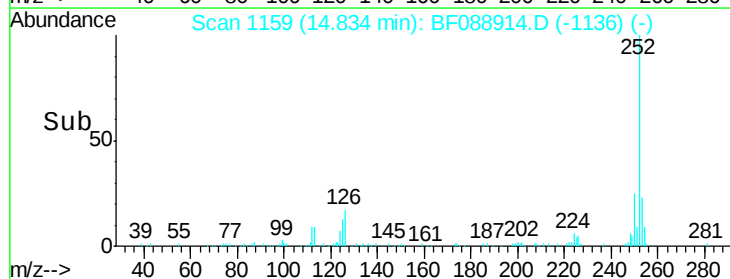
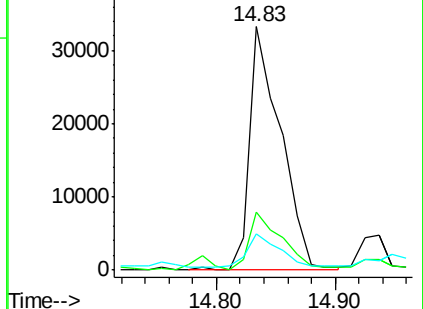
125 15.1 11.2 16.8

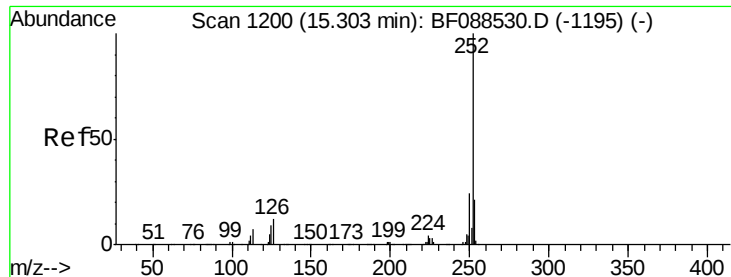


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.35 ng

RT: 15.15 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

Instrument :

BNA_F

ClientSampleId :

N8-B2(0-5)C

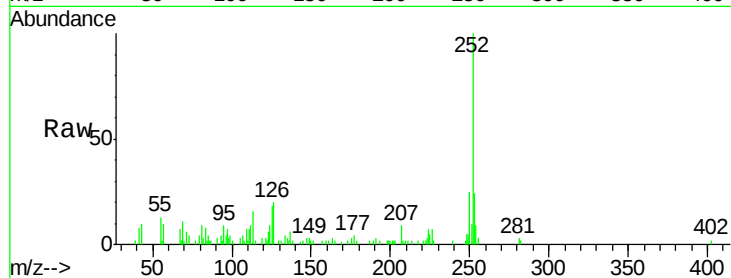
Tgt Ion:252 Resp: 25944

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

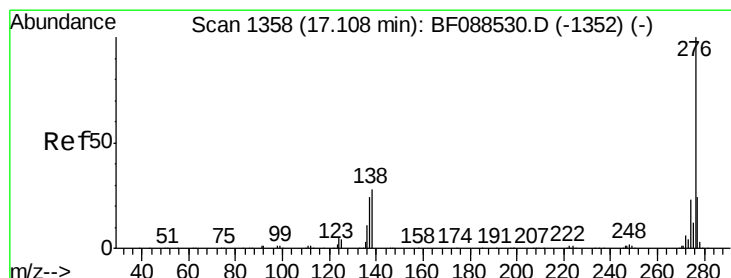
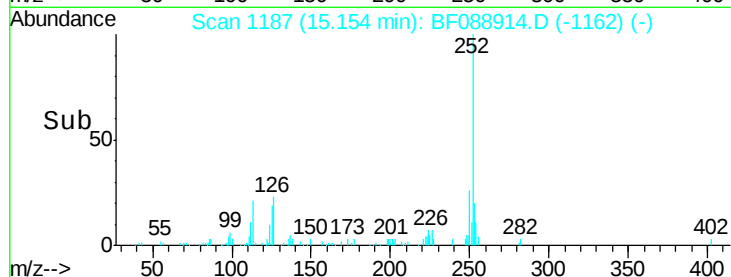
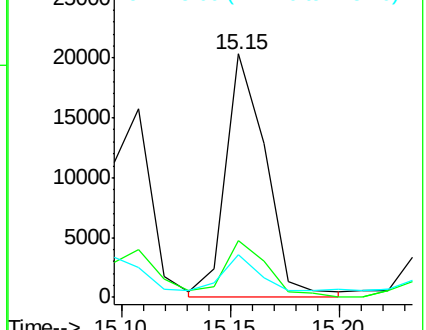
125 17.6 12.5 18.7



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



#91

Benzo(g,h,i)perylene

Concen: 3.04 ng

RT: 16.88 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF088914.D

Acq: 11 Jul 2016 22:20

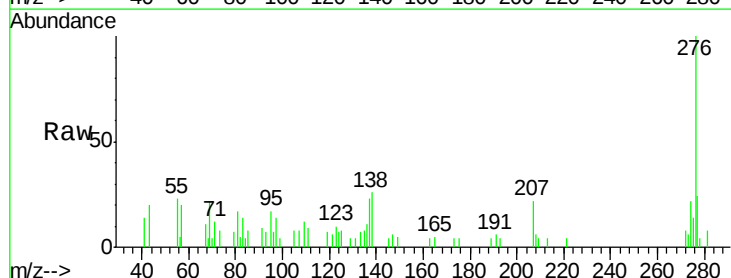
Tgt Ion:276 Resp: 15648

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 25.9 21.4 32.2



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

