

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
 Data File : BF088003.D
 Acq On : 14 Jun 2016 12:08
 Operator : UM/SJ
 Sample : H3419-05DL 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 13:40:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116213	20.00	ng	0.01
21) Naphthalene-d8	8.08	136	440375	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	201311	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	304464	20.00	ng	0.01
75) Chrysene-d12	13.95	240	232512	20.00	ng	0.00
86) Perylene-d12	15.37	264	209309	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	395909	58.24	ng	0.00
7) Phenol-d6	6.43	99	570225	69.21	ng	0.00
23) Nitrobenzene-d5	7.36	82	319789	42.40	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	93417	43.95	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	525690	37.96	ng	0.00
78) Terphenyl-d14	12.90	244	306584	30.00	ng	0.00

Target Compounds

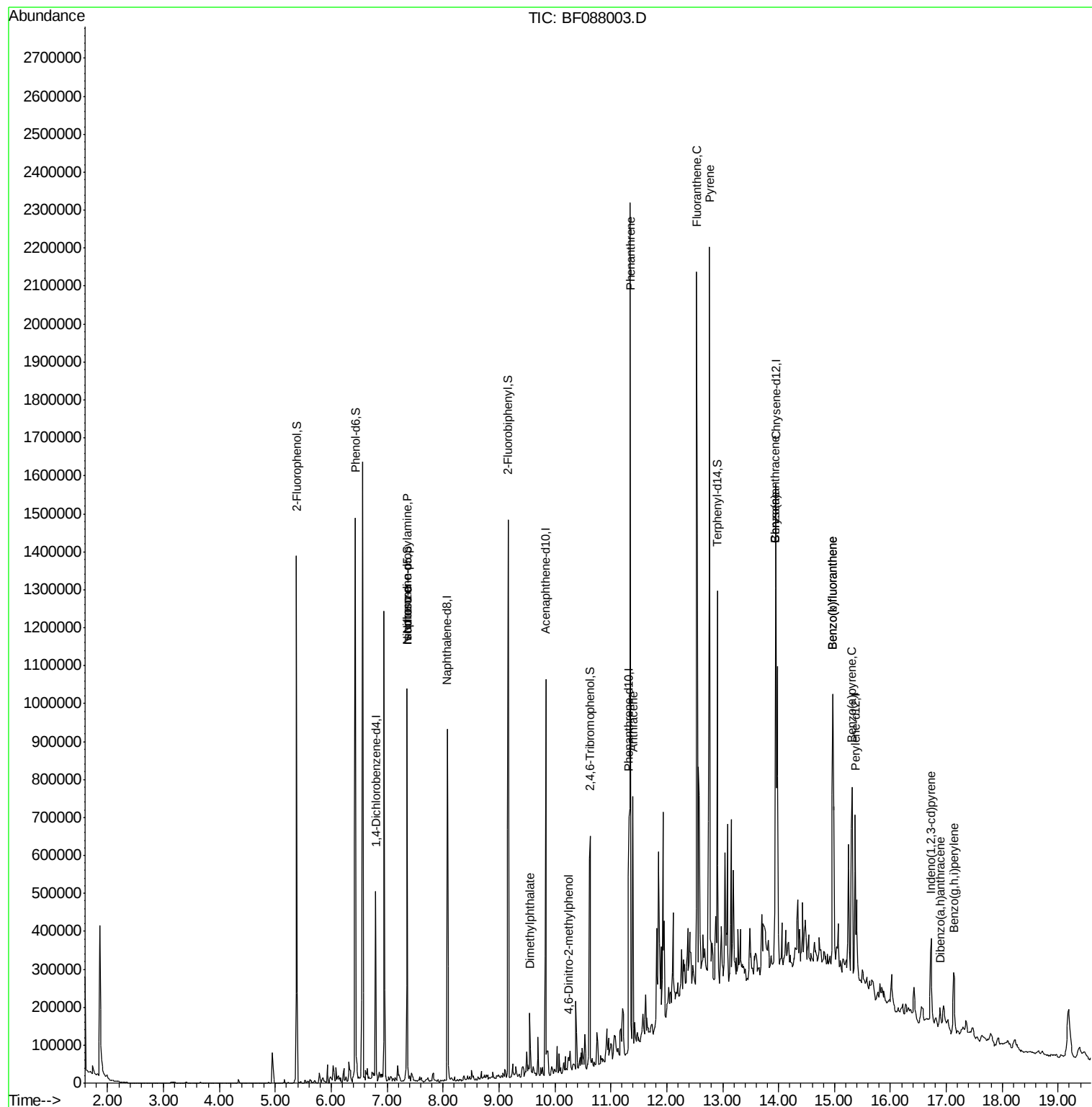
						Qvalue
10) Phenol	6.44	94	3365	Below Cal		89
19) n-Nitroso-di-n-propylamine	7.36	70	44271	8.40 ng	#	72
25) Isophorone	7.36	82	256938	18.39 ng	#	65
45) 1,1'-Biphenyl	9.26	154	1604	Below Cal		87
49) Dimethylphthalate	9.55	163	59573	4.09 ng		99
57) Fluorene	10.38	166	53632	Below Cal	#	98
64) 4,6-Dinitro-2-methylphenol	10.25	198	210	2.27 ng	#	1
70) Phenanthrene	11.35	178	818251	51.22 ng		99
71) Anthracene	11.39	178	234299	14.54 ng		99
74) Fluoranthene	12.54	202	1003069	59.49 ng		96
77) Pyrene	12.77	202	892310	51.72 ng		100
80) Benzo(a)anthracene	13.94	228	504533	38.08 ng		98
82) Chrysene	13.94	228	504533	40.47 ng		96
85) Indeno(1,2,3-cd)pyrene	16.73	276	144642	12.49 ng	#	100
87) Benzo(b)fluoranthene	14.97	252	567253	38.88 ng	#	94
88) Benzo(k)fluoranthene	14.97	252	567253	51.55 ng		99
89) Benzo(a)pyrene	15.31	252	268086	22.71 ng	#	95
90) Dibenzo(a,h)anthracene	16.89	278	30261	2.76 ng		93
91) Benzo(a,h,i)perylene	17.14	276	125381	11.12 ng		95

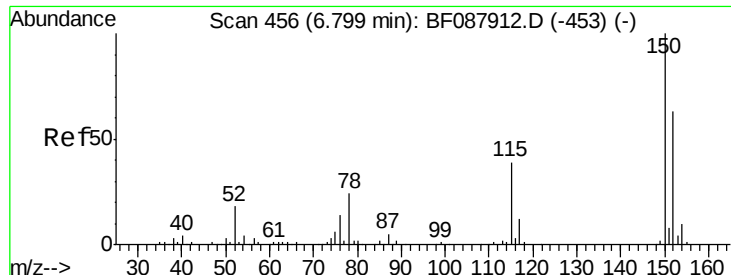
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF088003.D
Acq On : 14 Jun 2016 12:08
Operator : UM/SJ
Sample : H3419-05DL 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 14 13:40:07 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration



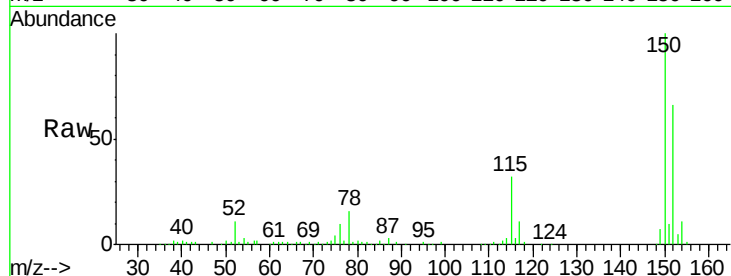


#1

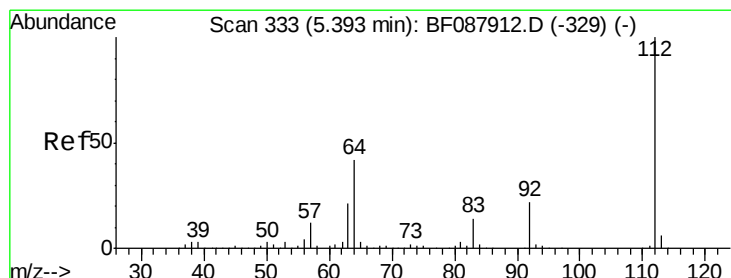
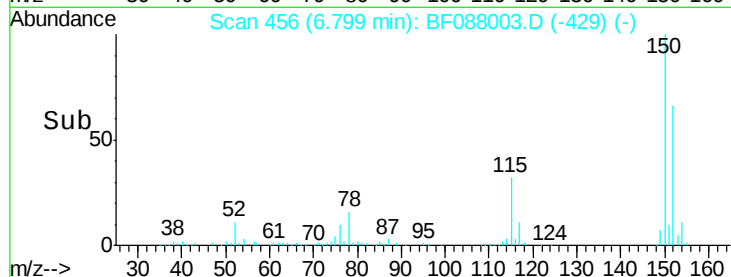
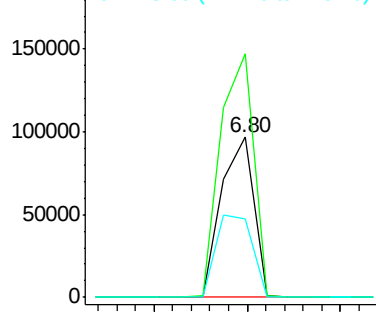
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	123.8	185.6
115	49.2	39.6	59.4



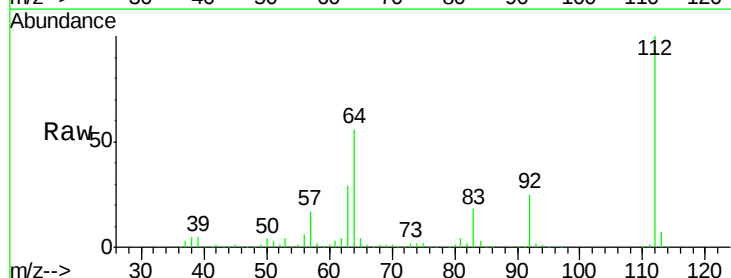
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



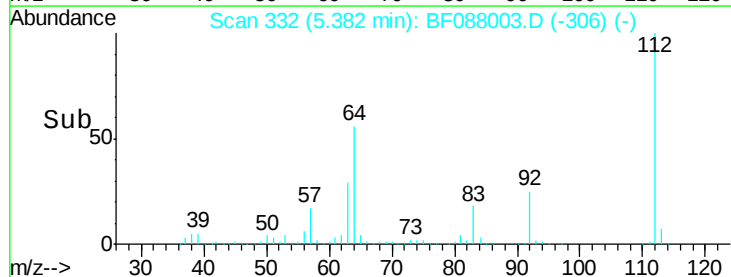
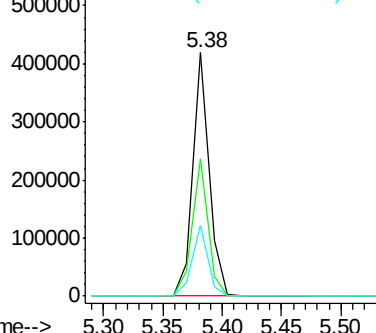
#5

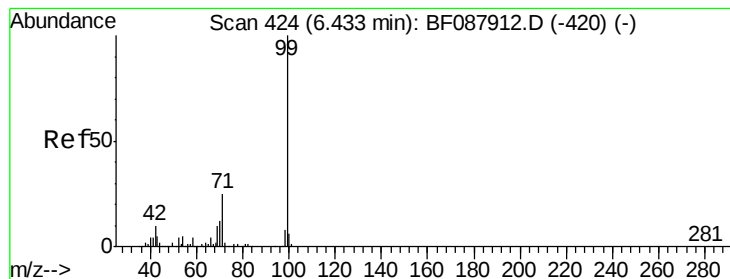
2-Fluorophenol
Concen: 58.24 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	42.2	63.2
63	28.8	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: 69.21 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF088003.D

Acq: 14 Jun 2016 12:08

Instrument :

BNA_F

ClientSampleId :

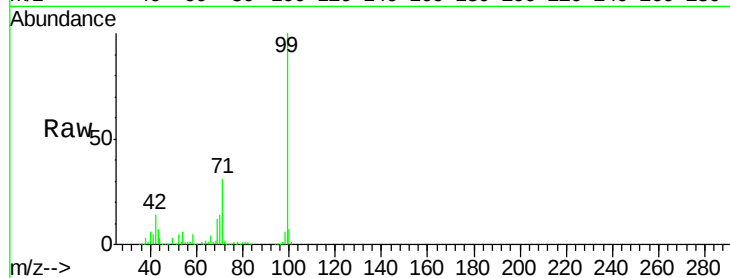
Tot Ion: 99 Resp: 570225

Ion Ratio Lower Upper

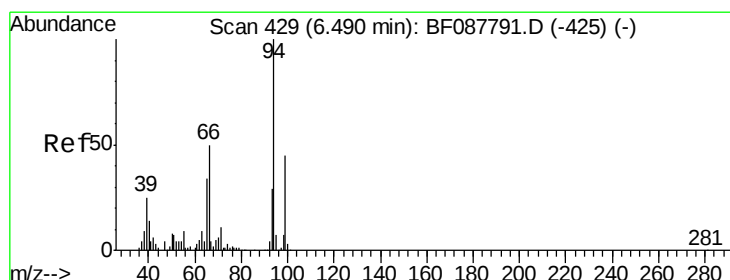
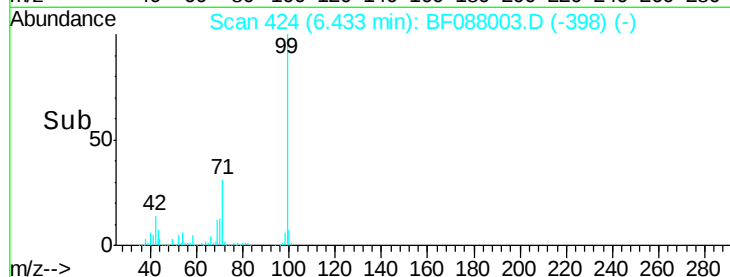
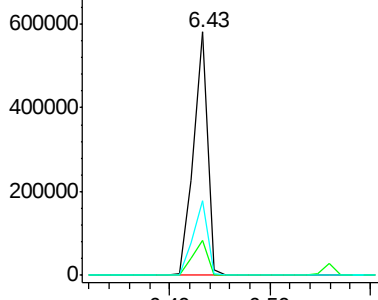
99 100

42 14.5 12.2 18.2

71 30.7 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



#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF088003.D

Acq: 14 Jun 2016 12:08

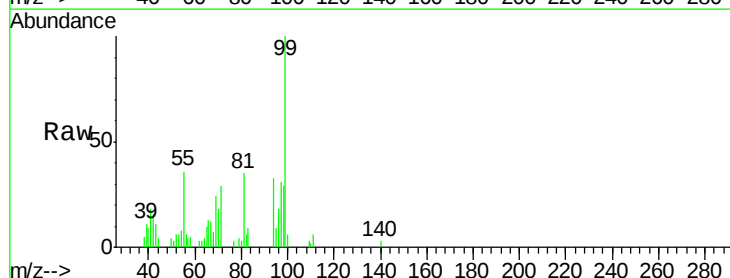
Tgt Ion: 94 Resp: 3365

Ion Ratio Lower Upper

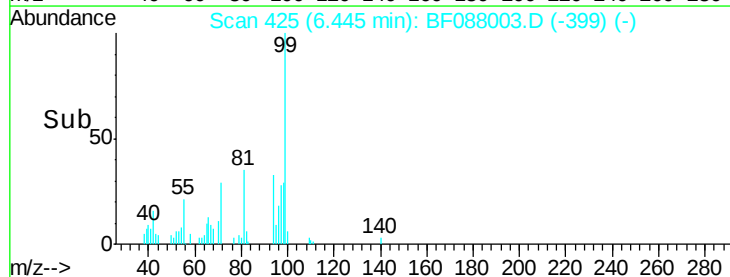
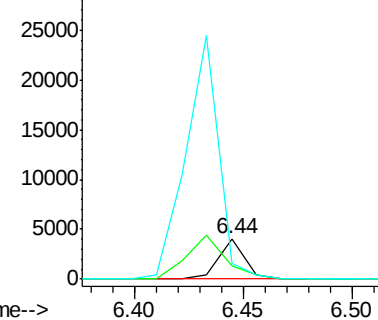
94 100

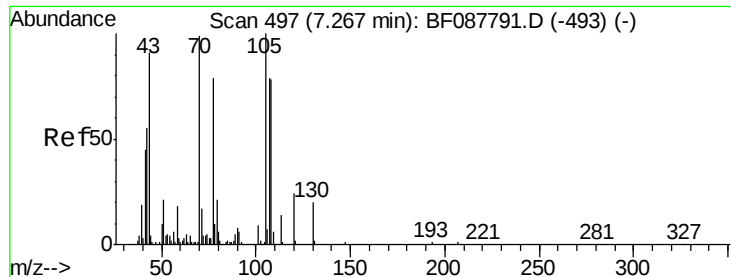
65 31.3 5.9 45.9

66 40.4 14.0 54.0



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





#19

n-Nitroso-di-n-propylamine

Concen: 8.40 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.14 min

Lab File: BF088003.D

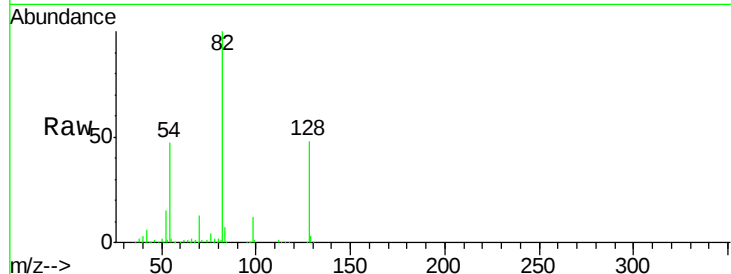
Acq: 14 Jun 2016 12:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	44271
Ion	Ratio	Lower	Upper
70	100		
42	42.2	49.6	74.4#
101	0.0	7.1	10.7#
130	2.2	15.4	23.2#

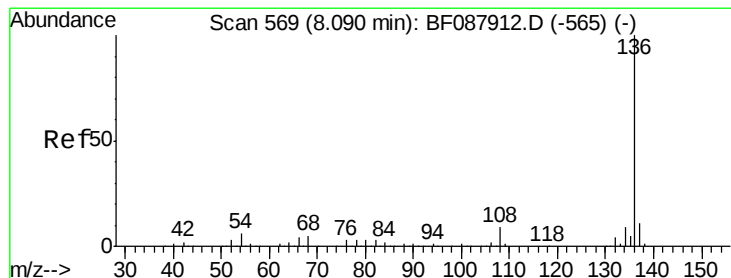
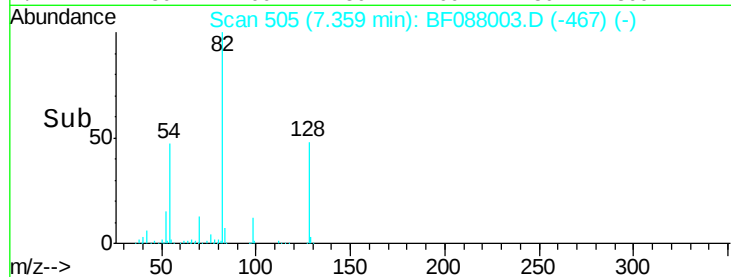
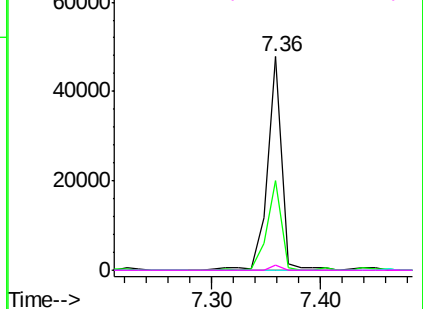


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.00 min

Lab File: BF088003.D

Acq: 14 Jun 2016 12:08

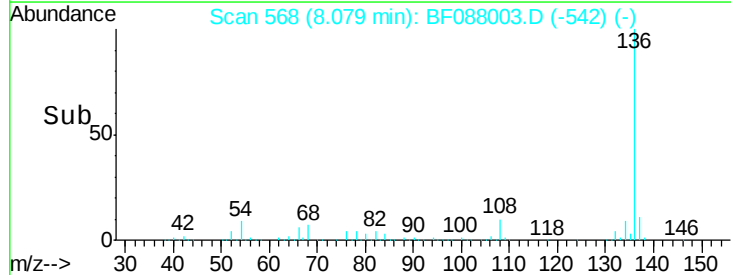
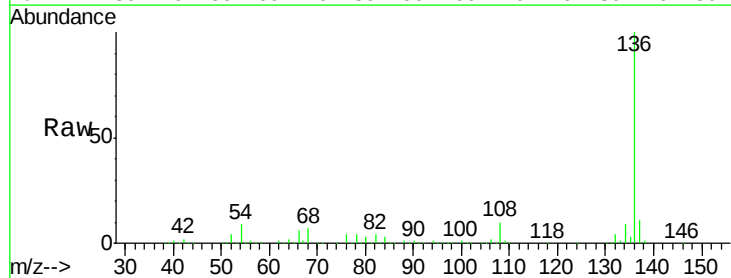
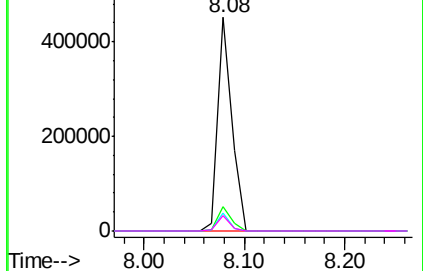
Tgt Ion:	136	Resp:	440375
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.6	6.6	10.0
68	7.2	5.1	7.7

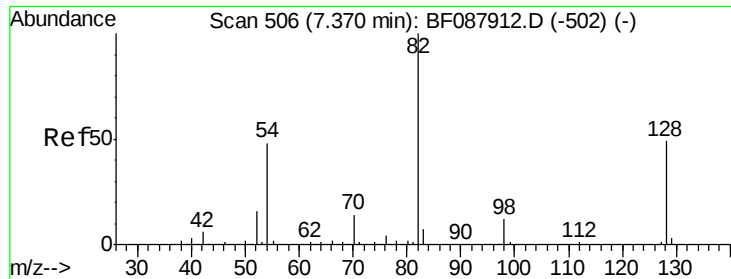
Abundance Ion 136.00 (135.70 to 136.70): E

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

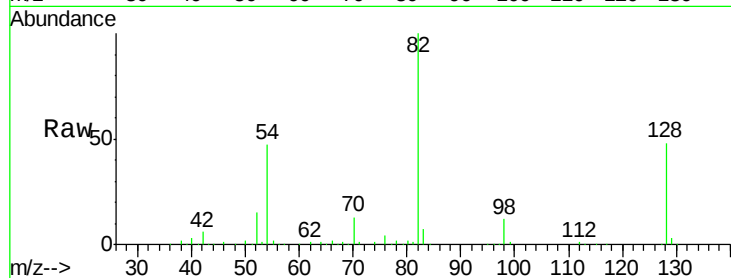




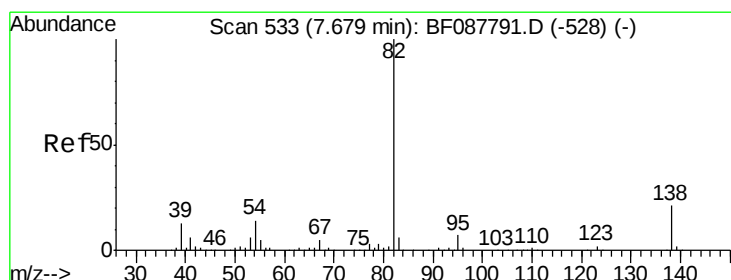
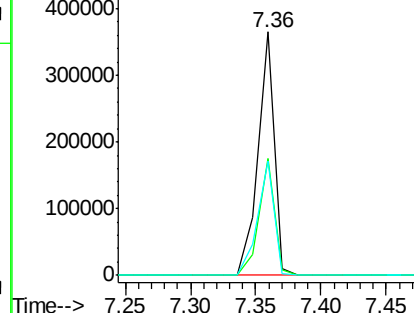
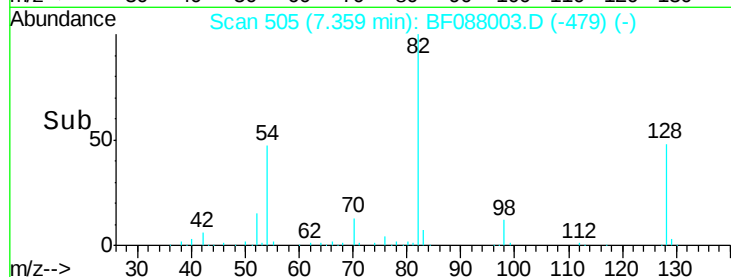
#23
Nitrobenzene-d5
Concen: 42.40 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	319789
Ion Ratio	Lower	Upper	
82	100		
128	47.8	35.9	53.9
54	46.8	40.9	61.3

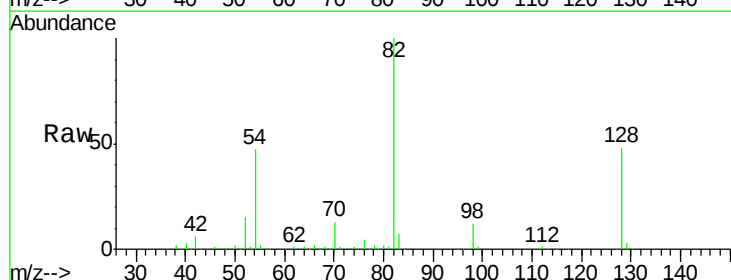


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

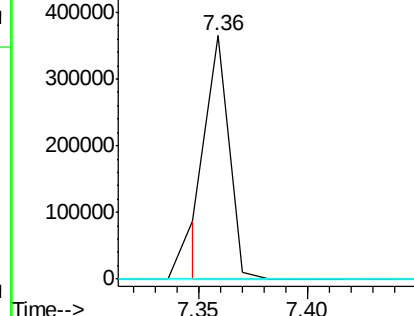
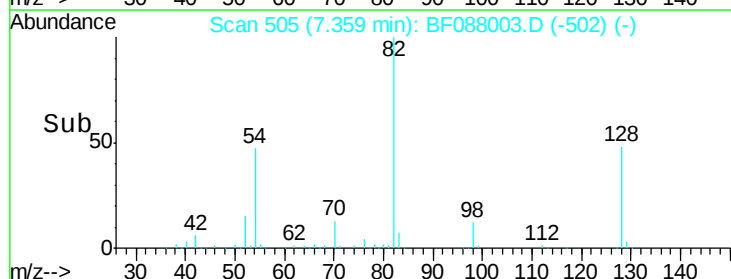


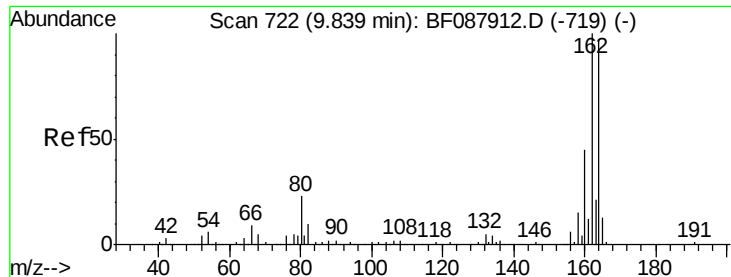
#25
Isophorone
Concen: 18.39 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.26 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion	82	Resp	256938
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.4	8.2#
138	0.0	14.6	21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

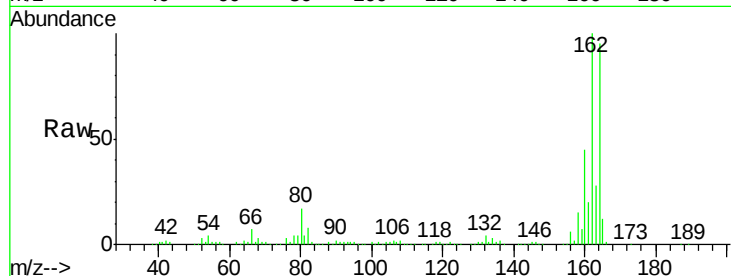




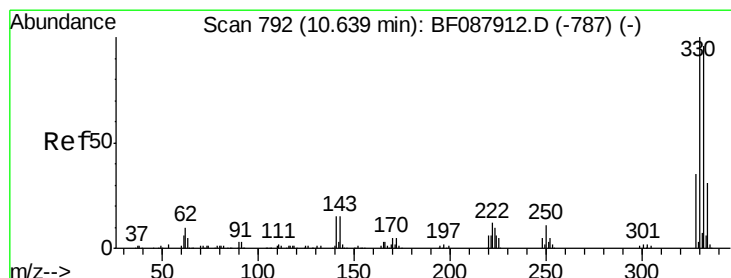
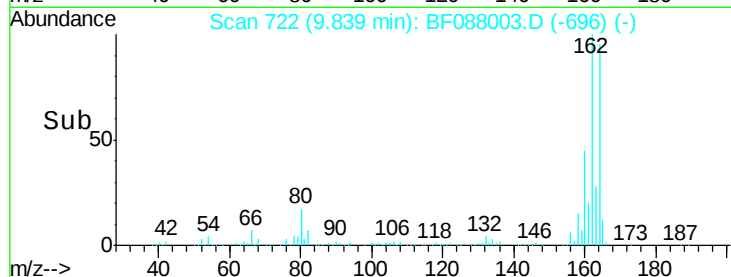
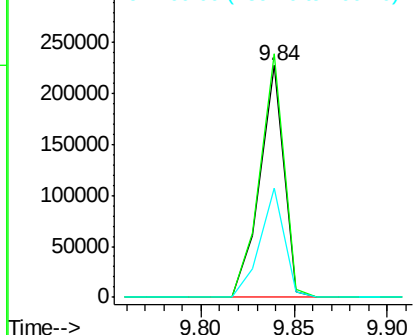
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 201311
Ion Ratio Lower Upper
164 100
162 105.2 85.4 128.2
160 47.4 39.5 59.3

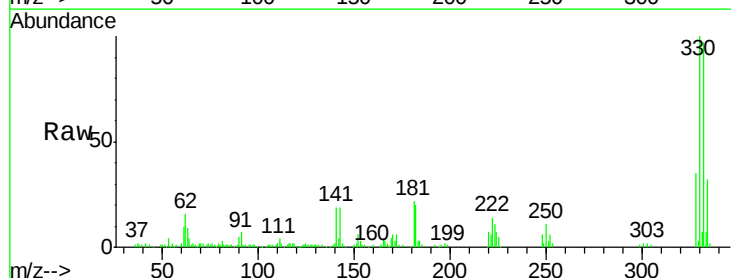


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

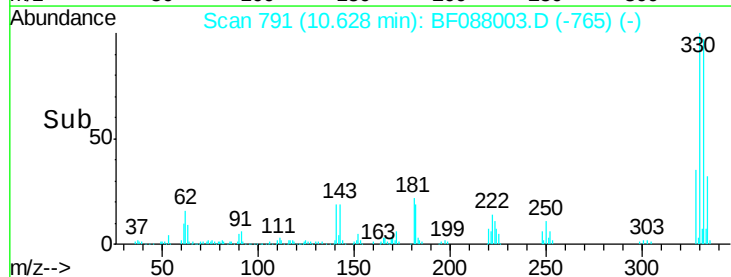
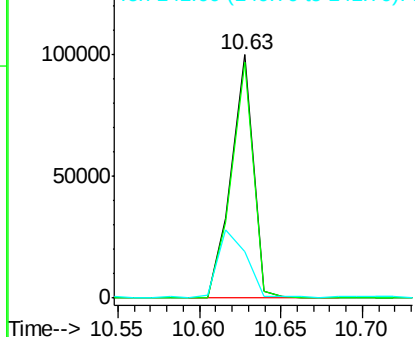


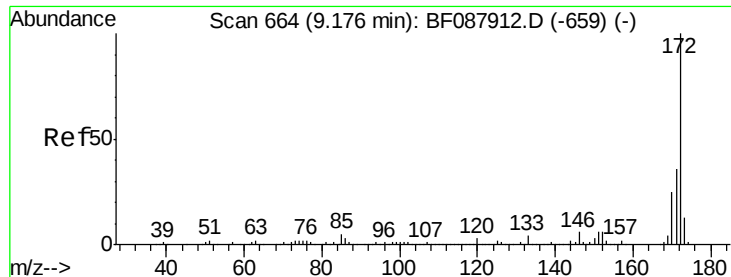
#41
2,4,6-Tribromophenol
Concen: 43.95 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:330 Resp: 93417
Ion Ratio Lower Upper
330 100
332 96.8 0.0 0.0#
141 36.4 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

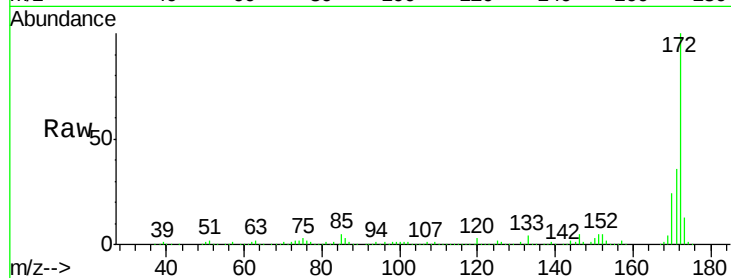




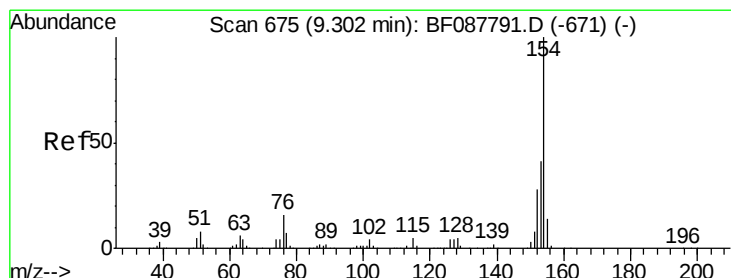
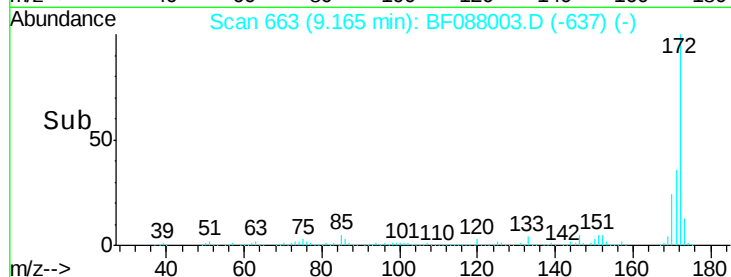
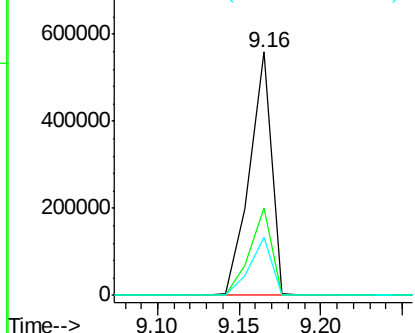
#44
 2-Fluorobiphenyl
 Concen: 37.96 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF088003.D
 Acq: 14 Jun 2016 12:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 525690
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 23.7 19.2 28.8

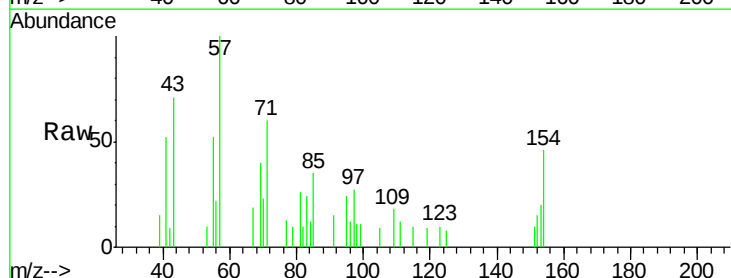


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

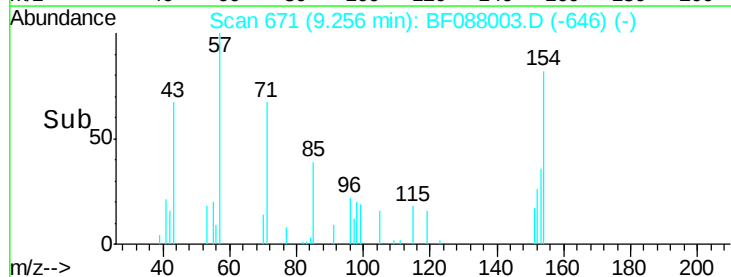
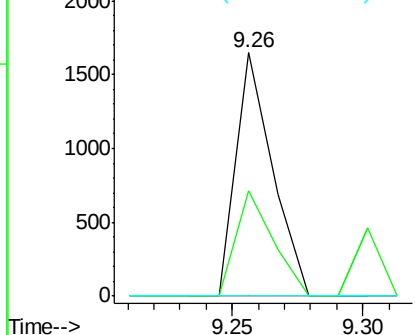


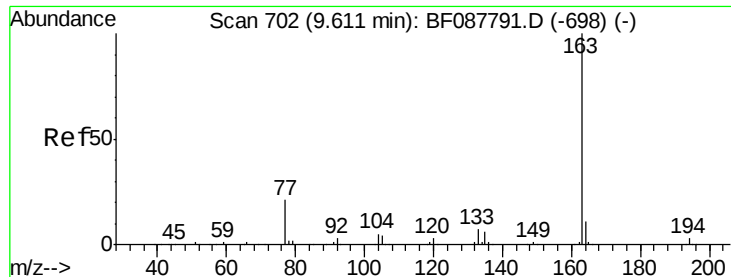
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.26 min Scan# 671
 Delta R.T. -0.01 min
 Lab File: BF088003.D
 Acq: 14 Jun 2016 12:08

Tgt Ion:154 Resp: 1604
 Ion Ratio Lower Upper
 154 100
 153 43.5 20.6 60.6
 76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

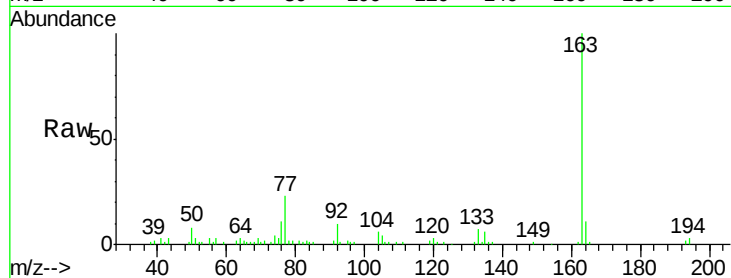




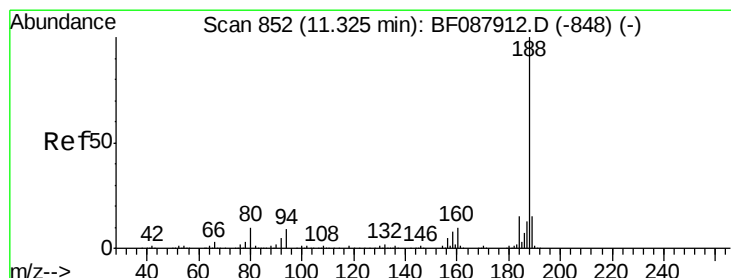
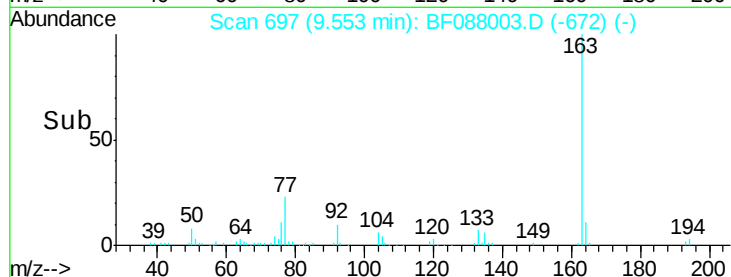
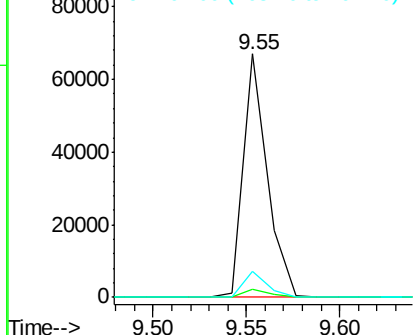
#49
Dimethylphthalate
Concen: 4.09 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 59573
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.9 8.3 12.5

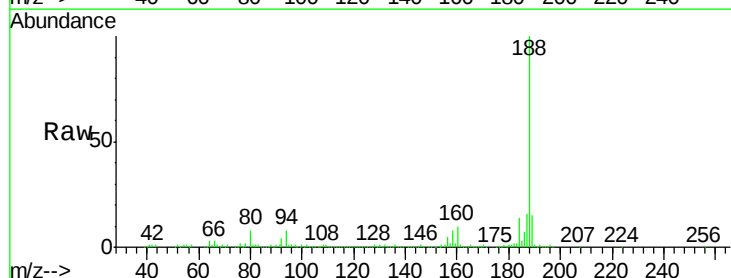


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

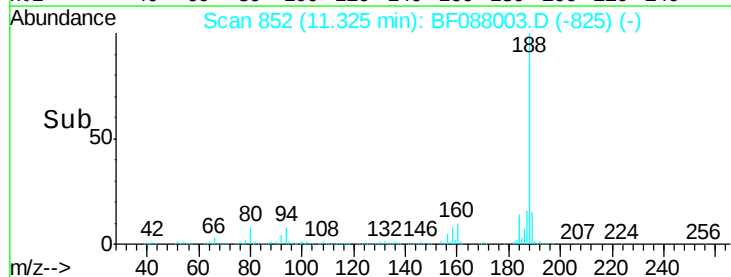
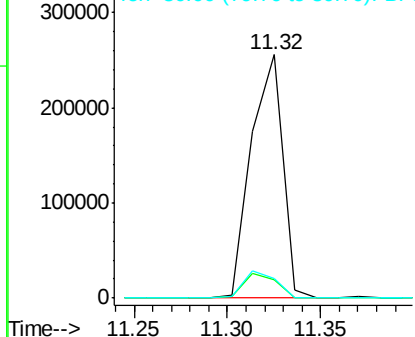


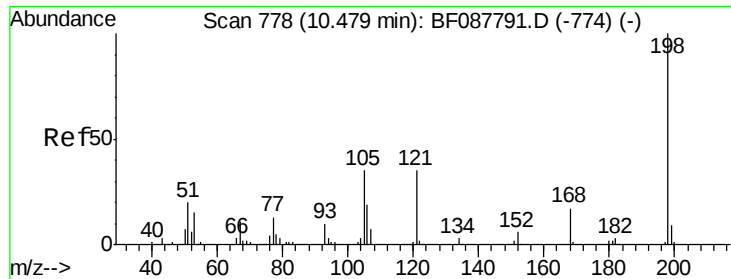
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion:188 Resp: 304464
Ion Ratio Lower Upper
188 100
94 7.8 9.0 13.6#
80 8.1 10.0 15.0#



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

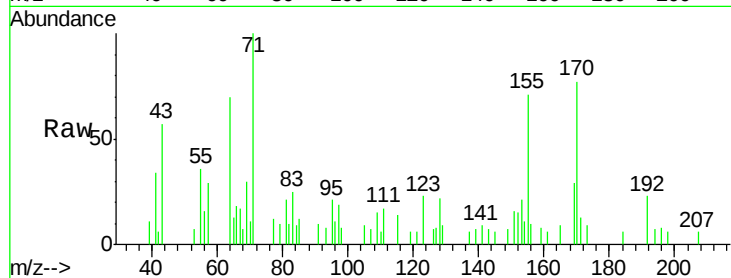




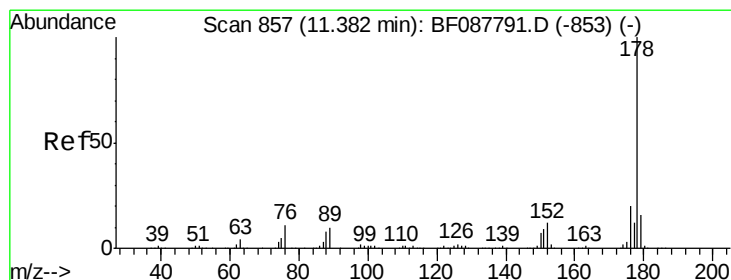
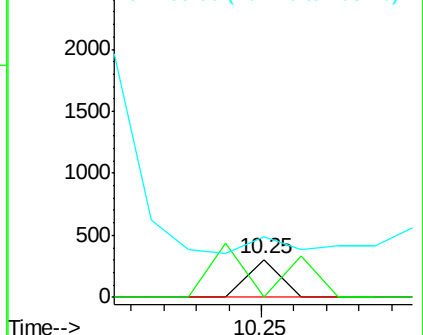
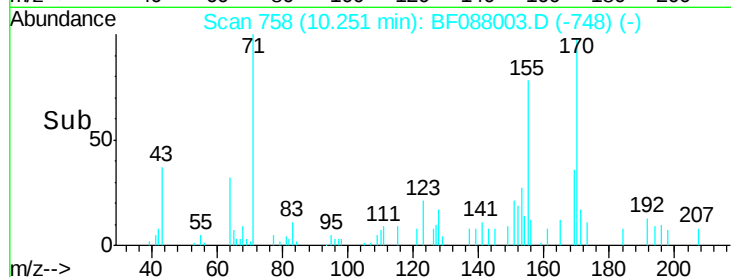
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.27 ng
 RT: 10.25 min Scan# 758
 Delta R.T. -0.18 min
 Lab File: BF088003.D
 Acq: 14 Jun 2016 12:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 210
 Ion Ratio Lower Upper
 198 100
 51 0.0 39.6 79.6#
 105 159.8 36.6 76.6#

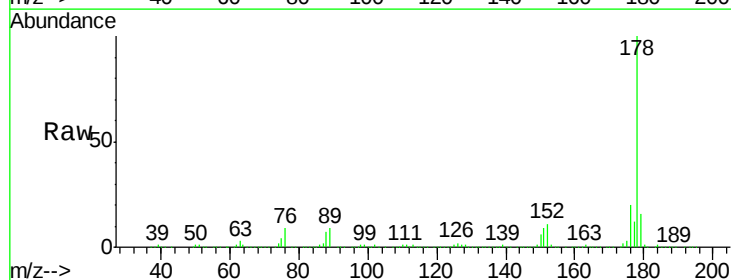


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

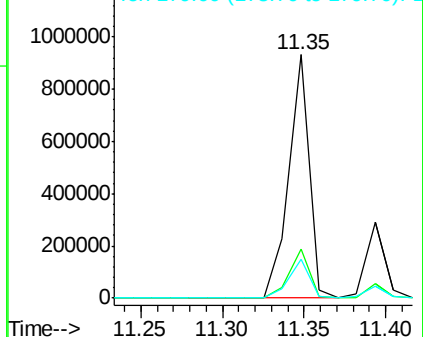
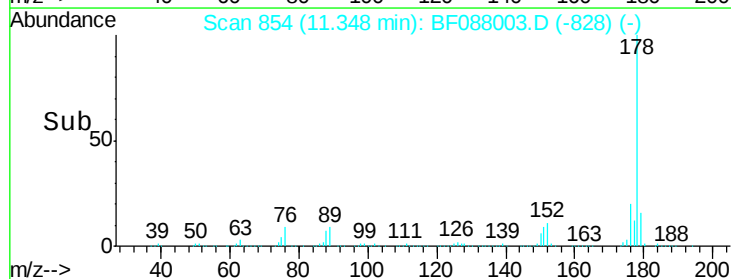


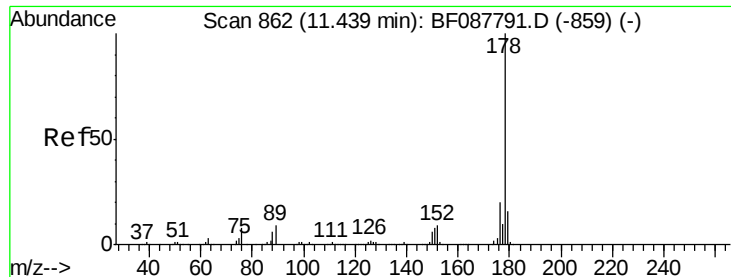
#70
 Phenanthrene
 Concen: 51.22 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: BF088003.D
 Acq: 14 Jun 2016 12:08

Tgt Ion:178 Resp: 818251
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.8 23.6
 179 15.9 13.0 19.4



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

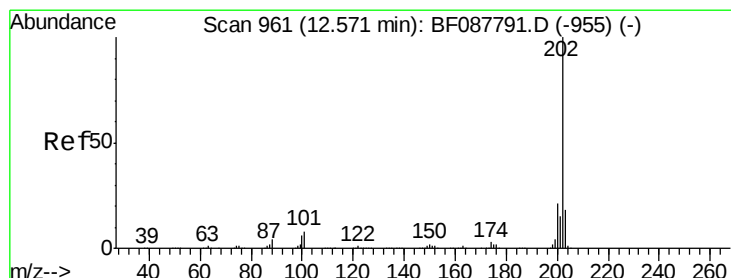
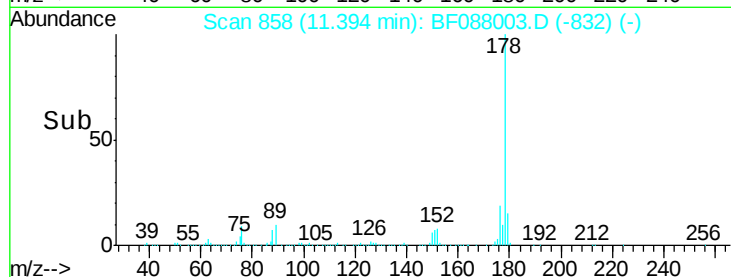
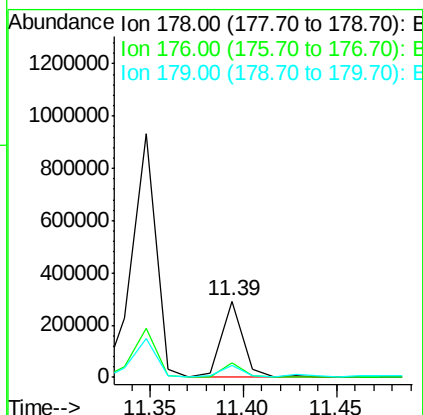
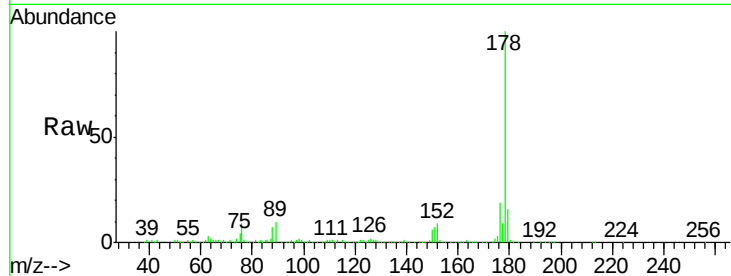




#71
 Anthracene
 Concen: 14.54 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: BF088003.D
 Acq: 14 Jun 2016 12:08

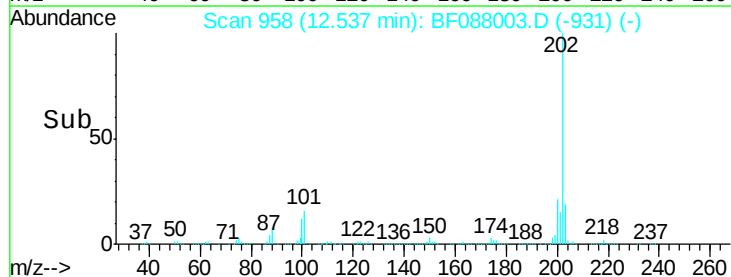
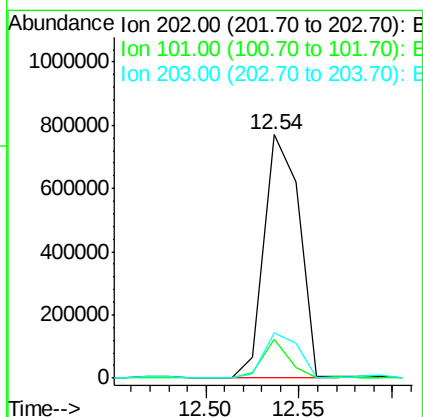
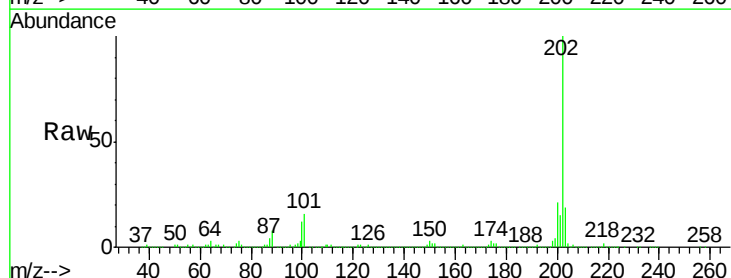
Instrument :
 BNA_F
 ClientSampleId :

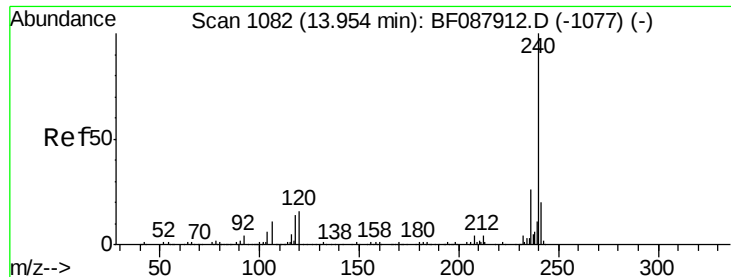
Tot Ion:178 Resp: 234299
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 15.6 12.8 19.2



#74
 Fluoranthene
 Concen: 59.49 ng
 RT: 12.54 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: BF088003.D
 Acq: 14 Jun 2016 12:08

Tgt Ion:202 Resp: 1003069
 Ion Ratio Lower Upper
 202 100
 101 16.0 0.0 33.1
 203 18.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088003.D

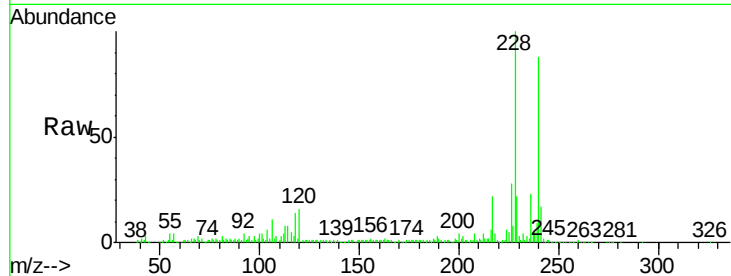
Acq: 14 Jun 2016 12:08

Instrument :

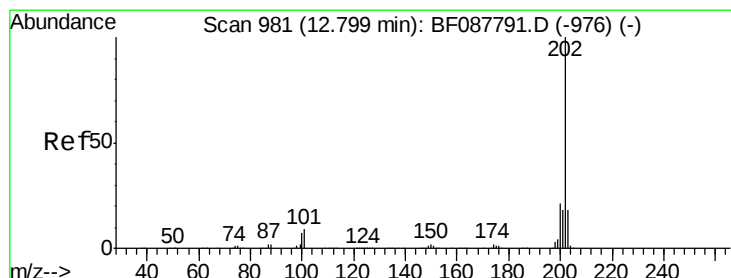
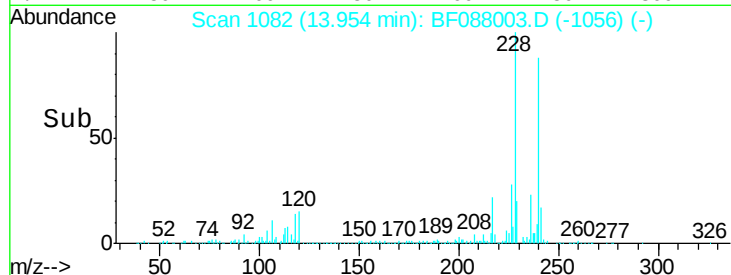
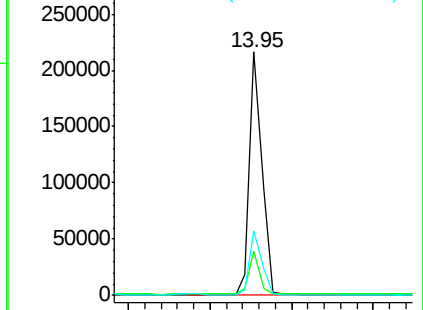
BNA_F

ClientSampled :

Tot Ion:240	Resp:	232512
Ion Ratio	Lower	Upper
240	100	
120	18.0	6.8 10.2#
236	26.3	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: 51.72 ng

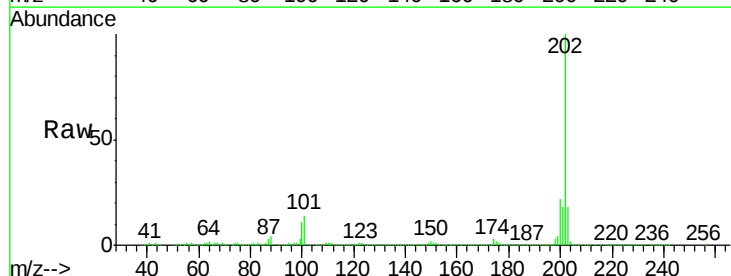
RT: 12.77 min Scan# 978

Delta R.T. 0.01 min

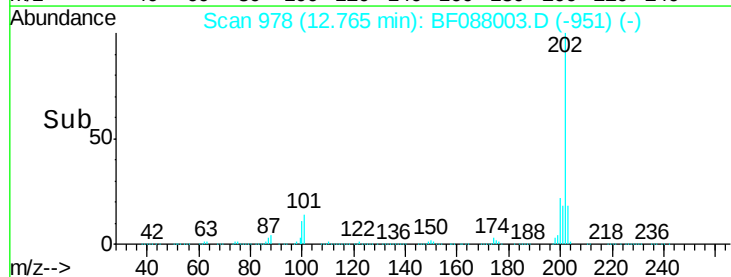
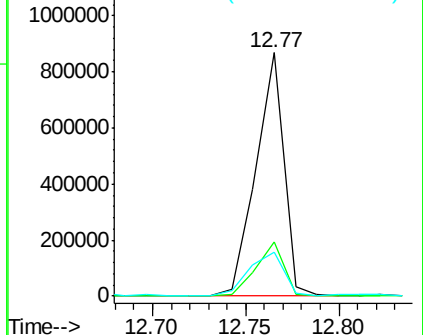
Lab File: BF088003.D

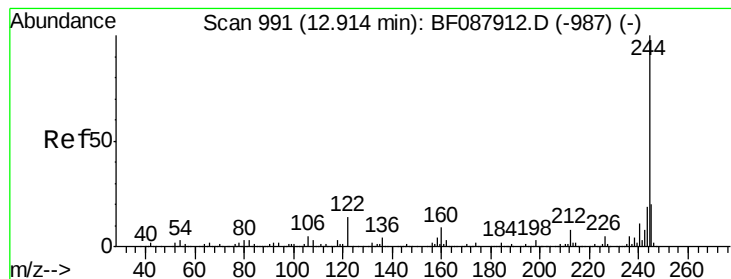
Acq: 14 Jun 2016 12:08

Tgt Ion:202	Resp:	892310
Ion Ratio	Lower	Upper
202	100	
200	22.0	17.4 26.2
203	18.1	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: 30.00 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.00 min

Lab File: BF088003.D

Acq: 14 Jun 2016 12:08

Instrument :

BNA_F

ClientSampleId :

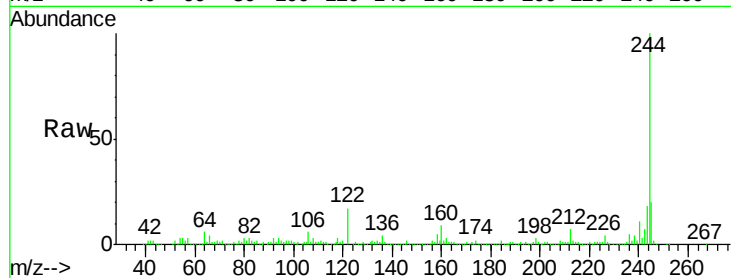
Tot Ion:244 Resp: 306584

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

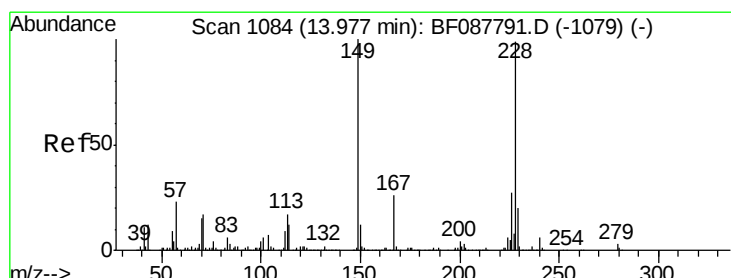
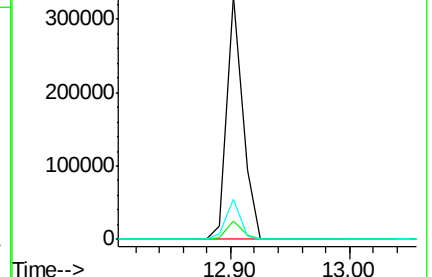
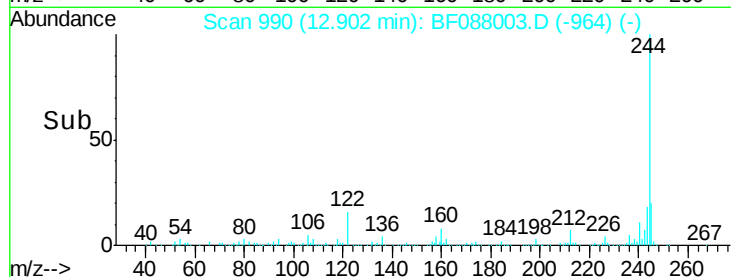
122 16.7 11.2 16.8



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: 38.08 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088003.D

Acq: 14 Jun 2016 12:08

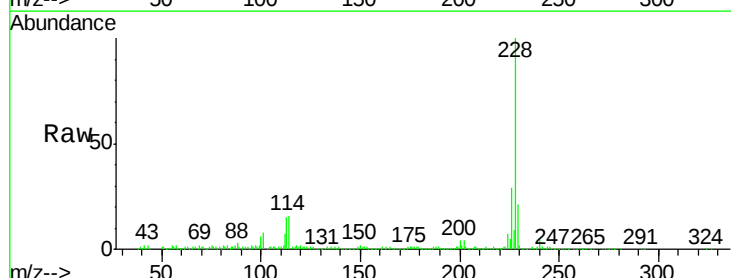
Tgt Ion:228 Resp: 504533

Ion Ratio Lower Upper

228 100

226 28.8 22.3 33.5

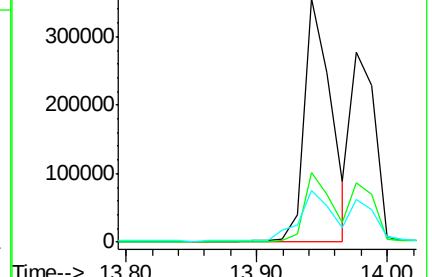
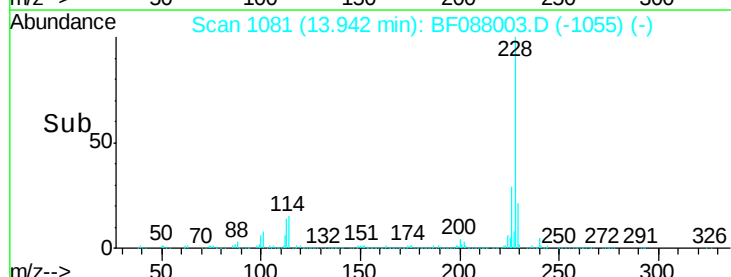
229 21.3 16.0 24.0

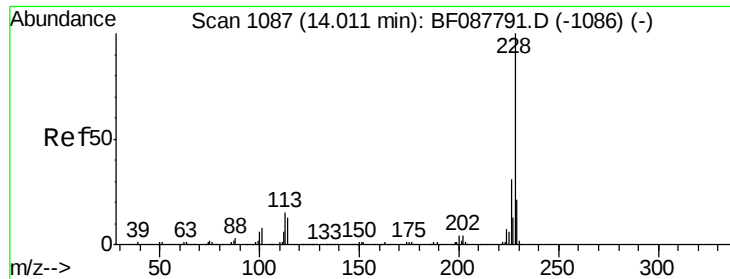


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 40.47 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF088003.D

Acq: 14 Jun 2016 12:08

Instrument :

BNA_F

ClientSampleId :

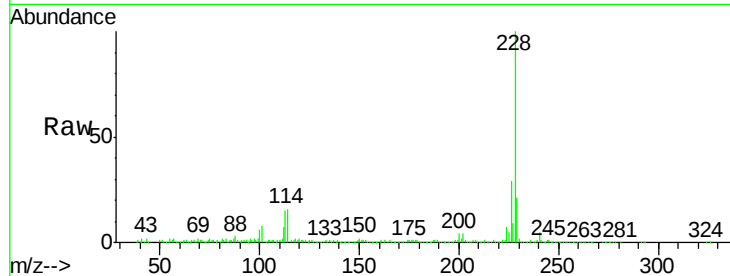
Tot Ion:228 Resp: 504533

Ion Ratio Lower Upper

228 100

226 28.8 25.4 38.2

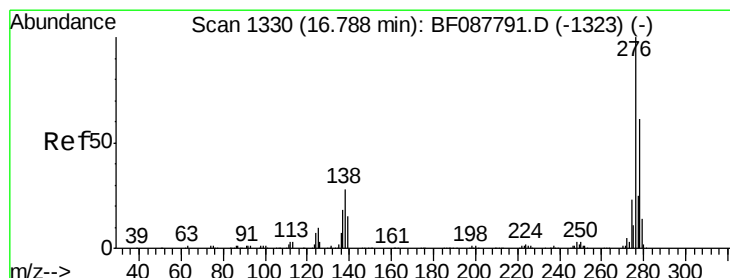
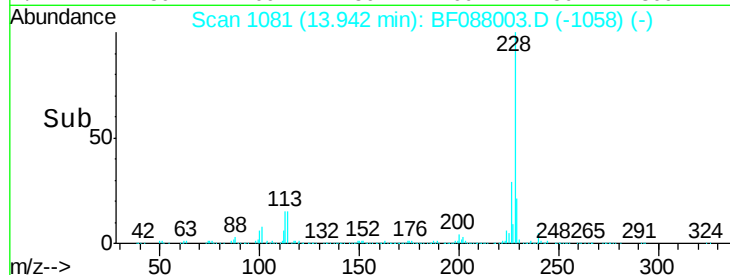
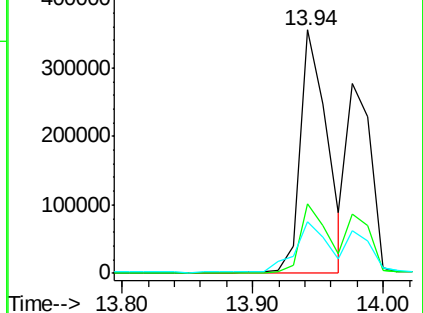
229 21.3 16.3 24.5



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: 12.49 ng

RT: 16.73 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF088003.D

Acq: 14 Jun 2016 12:08

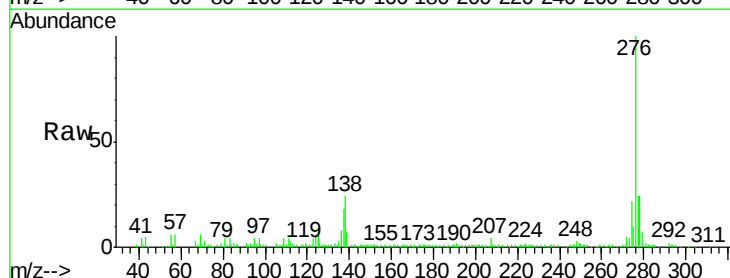
Tgt Ion:276 Resp: 144642

Ion Ratio Lower Upper

276 100

138 26.9 0.0 0.0#

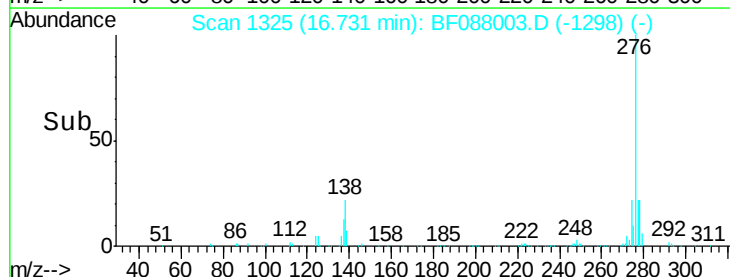
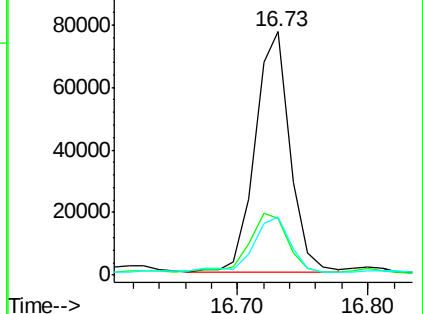
277 25.6 0.0 0.0#

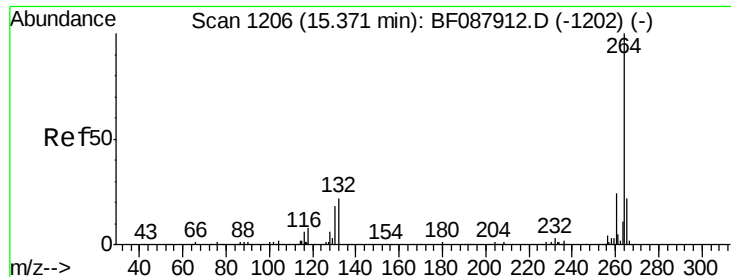


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

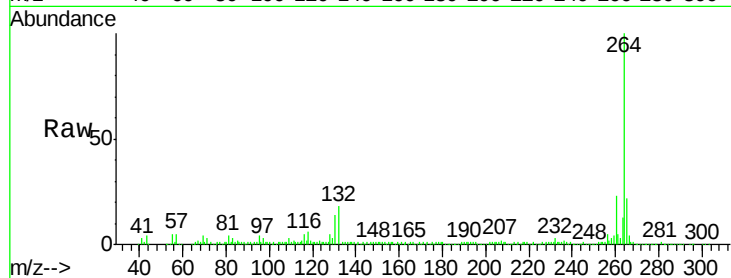




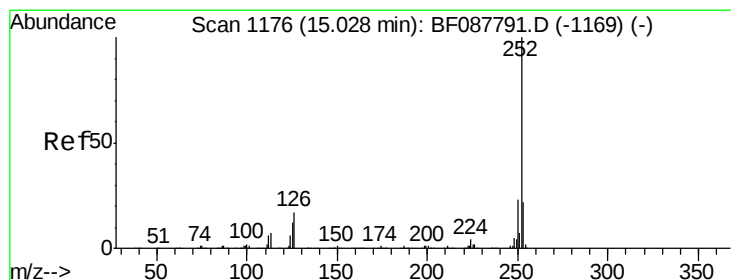
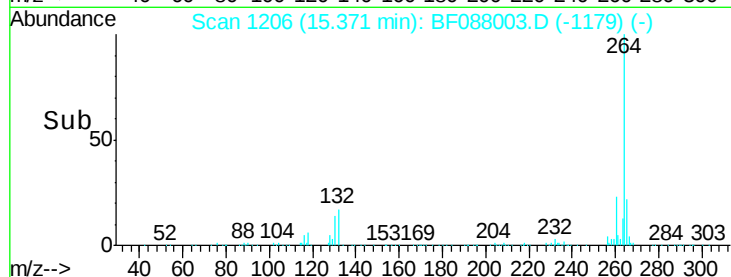
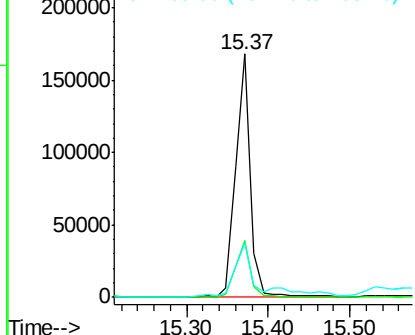
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.4	16.9	25.3

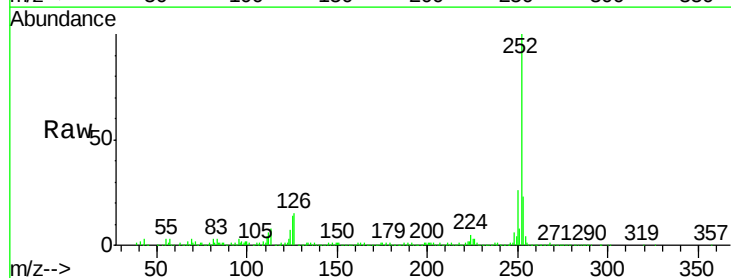


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

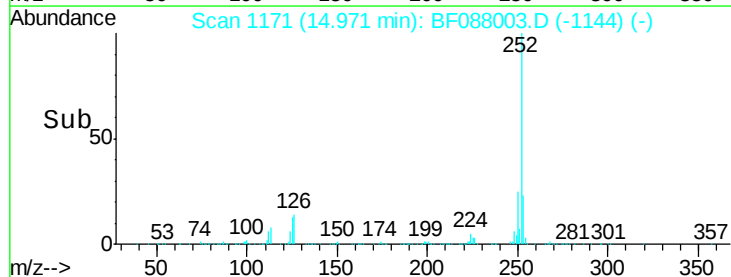
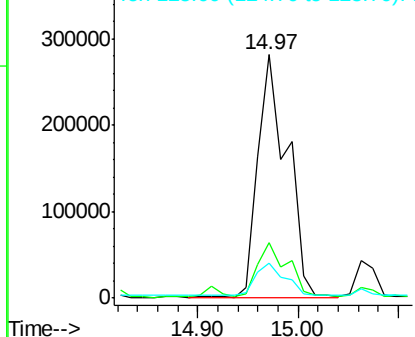


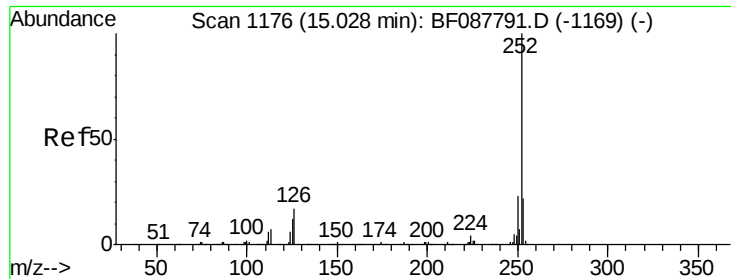
#87
Benzo(b)fluoranthene
Concen: 38.88 ng
RT: 14.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	14.2	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

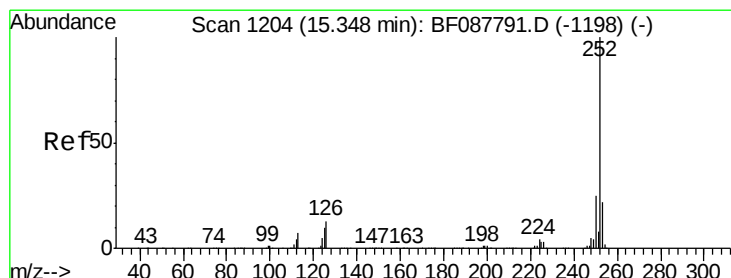
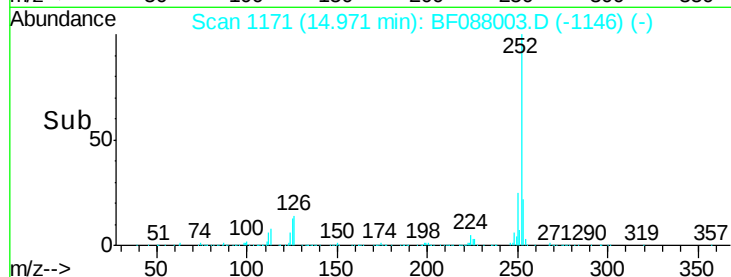
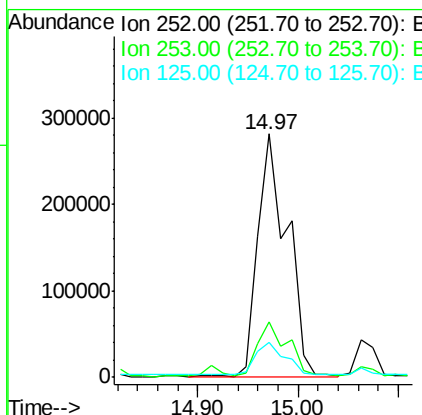
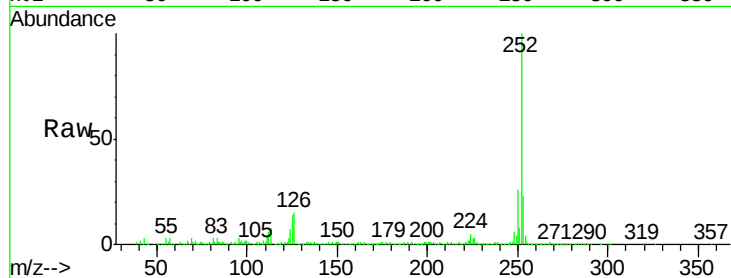




#88
Benzo(k)fluoranthene
Concen: 51.55 ng
RT: 14.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

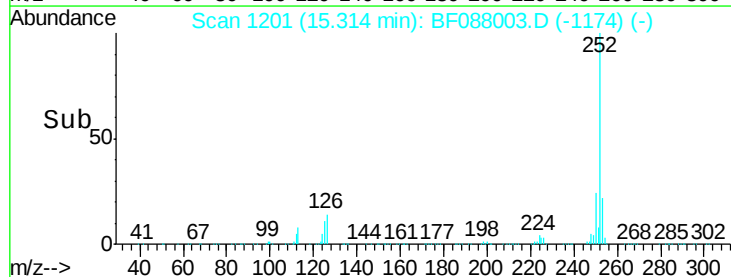
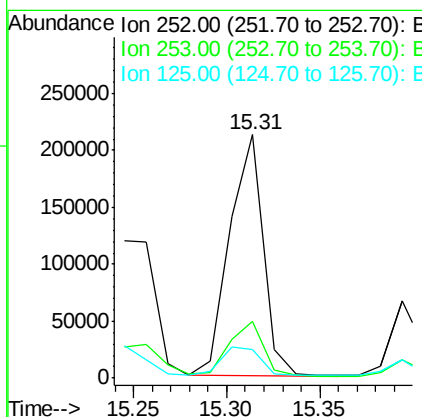
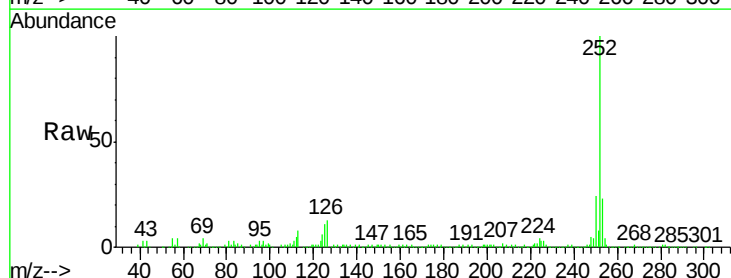
Instrument :
BNA_F
ClientSampleId :

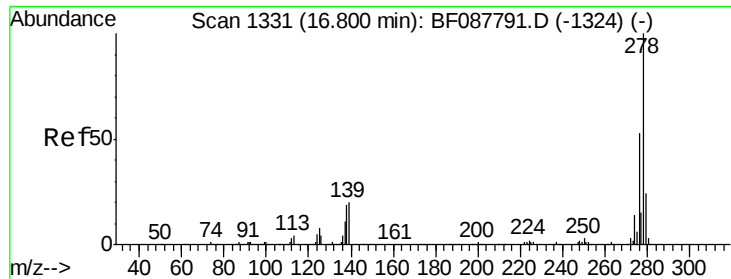
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	14.2	11.2	16.8



#89
Benzo(a)pyrene
Concen: 22.71 ng
RT: 15.31 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BF088003.D
Acq: 14 Jun 2016 12:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.5	12.5	18.7#





#90

Dibenzo(a,h)anthracene

Concen: 2.76 ng

RT: 16.89 min Scan# 1339

Delta R.T. 0.16 min

Lab File: BF088003.D

Acq: 14 Jun 2016 12:08

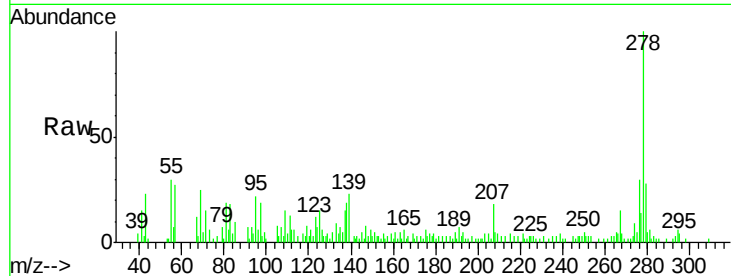
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 30261

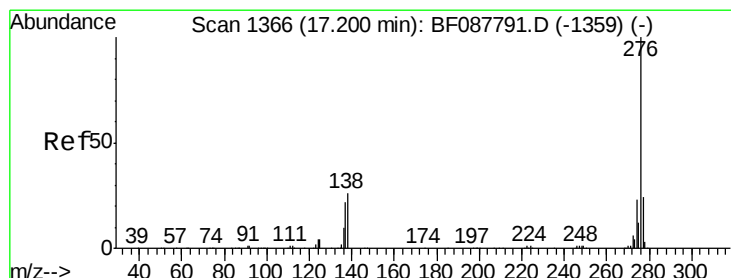
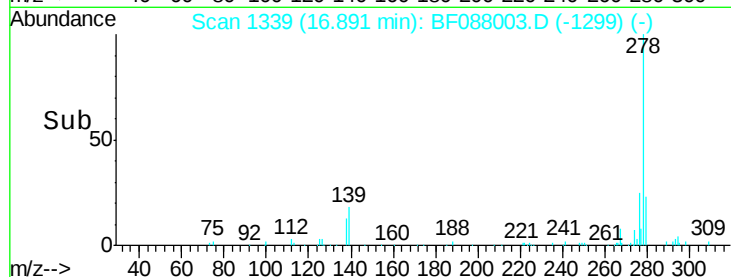
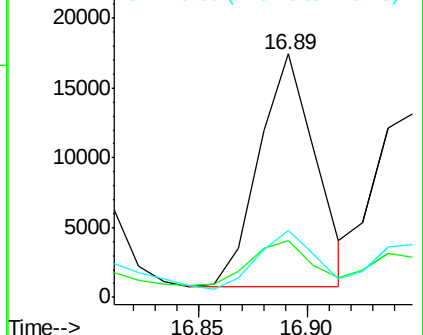
Ion	Ratio	Lower	Upper
278	100		
139	23.2	15.7	23.5
279	27.7	19.4	29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.12 ng

RT: 17.14 min Scan# 1361

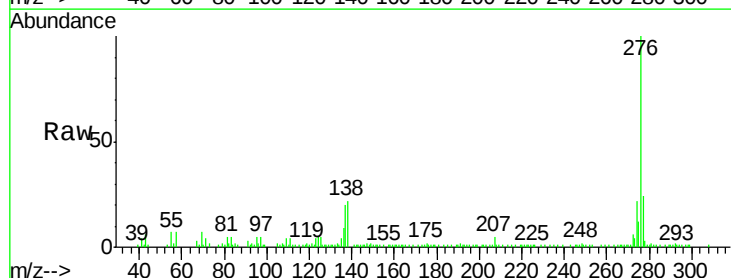
Delta R.T. 0.01 min

Lab File: BF088003.D

Acq: 14 Jun 2016 12:08

Tgt Ion:276 Resp: 125381

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	22.3	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

