

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088619.D
 Acq On : 2 Jul 2016 16:11
 Operator : UM/SJ
 Sample : H3871-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L8-B2(0-12)C

Quant Time: Jul 03 03:03:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

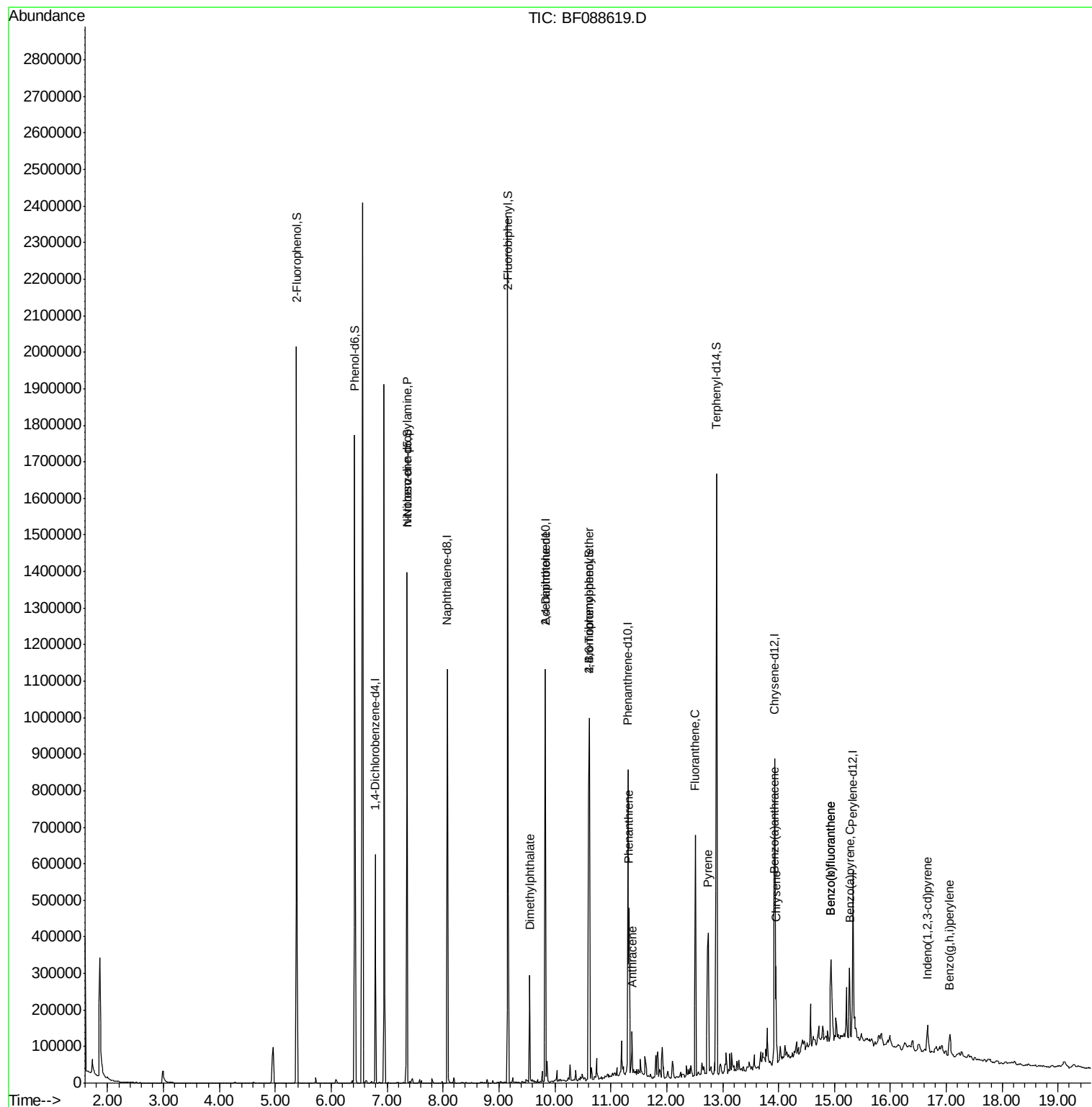
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	107402	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	461804	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	196055	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	306488	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	217347	20.00	ng	-0.02
86) Perylene-d12	15.33	264	229621	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	569576	79.48	ng	-0.02
7) Phenol-d6	6.42	99	739177	79.83	ng	-0.02
23) Nitrobenzene-d5	7.36	82	549423	62.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	154876	85.07	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	701715	56.54	ng	-0.02
78) Terphenyl-d14	12.89	244	469265	48.09	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	72834	11.71	ng	Qvalue # 69
49) Dimethylphthalate	9.55	163	156162	11.18	ng	98
56) 2,4-Dinitrotoluene	9.83	165	25677	6.34	ng	# 38
66) 4-Bromophenyl-phenylether	10.62	248	9867	3.19	ng	# 1
70) Phenanthrene	11.32	178	171746	10.25	ng	99
71) Anthracene	11.38	178	44530	2.67	ng	98
74) Fluoranthene	12.51	202	256923	15.13	ng	97
77) Pyrene	12.74	202	215864	11.71	ng	98
80) Benzo(a)anthracene	13.92	228	115187	8.23	ng	99
82) Chrysene	13.95	228	80368	5.80	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	44644	4.19	ng	# 100
87) Benzo(b)fluoranthene	14.94	252	155777	10.81	ng	# 95
88) Benzo(k)fluoranthene	14.94	252	155777	12.42	ng	99
89) Benzo(a)pyrene	15.27	252	84410	6.92	ng	99
91) Benzo(g,h,i)perylene	17.06	276	44054	4.18	ng	98

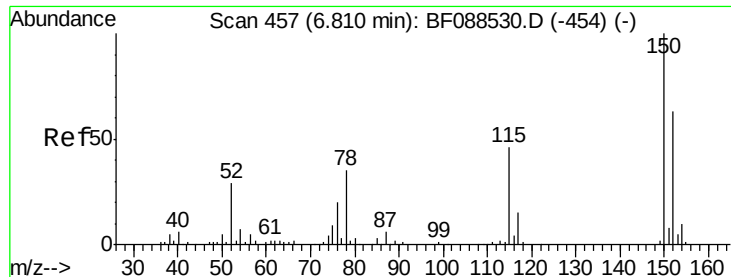
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
Acq On : 2 Jul 2016 16:11
Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L8-B2(0-12)C

Quant Time: Jul 03 03:03:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C

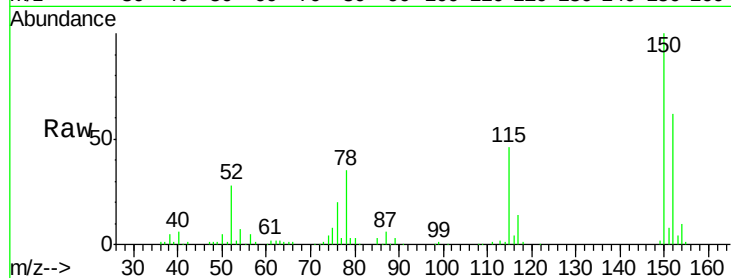
Tgt Ion:152 Resp: 107402

Ion Ratio Lower Upper

152 100

150 160.5 123.8 185.6

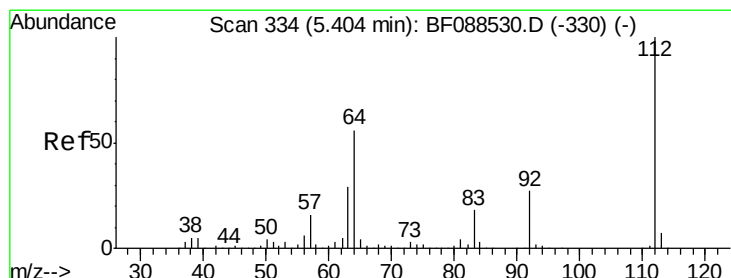
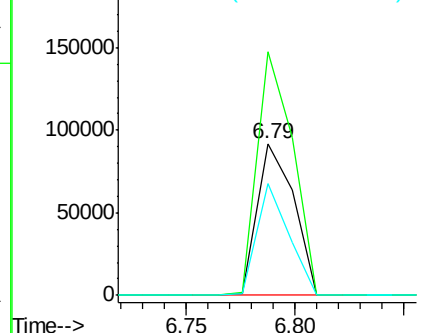
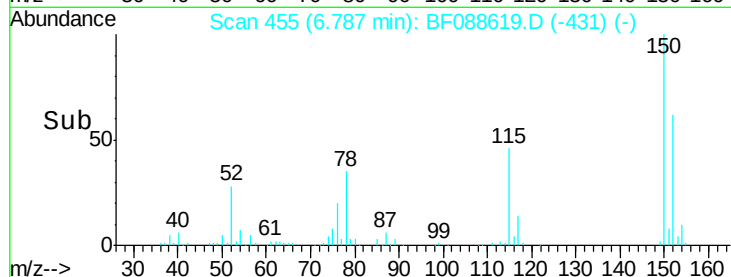
115 73.9 39.6 59.4#



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: 79.48 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

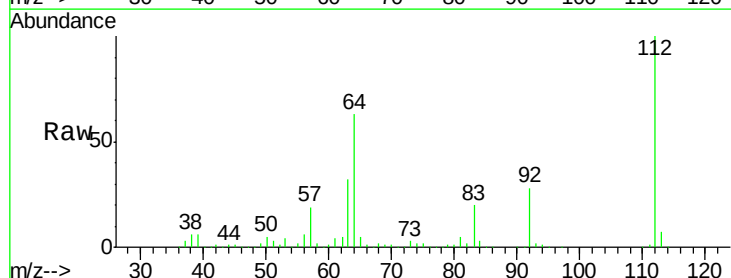
Tgt Ion:112 Resp: 569576

Ion Ratio Lower Upper

112 100

64 62.6 42.2 63.2

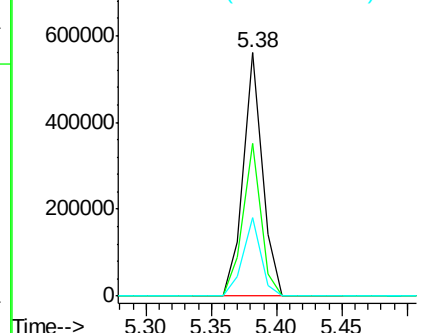
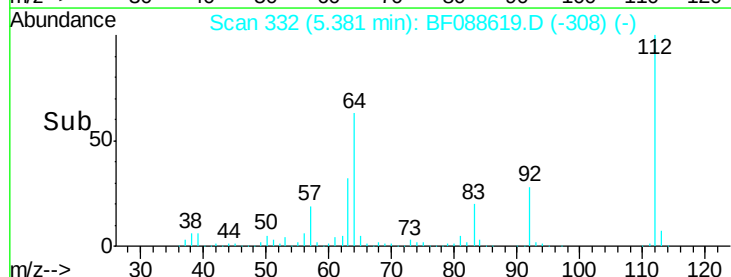
63 32.4 21.8 32.8

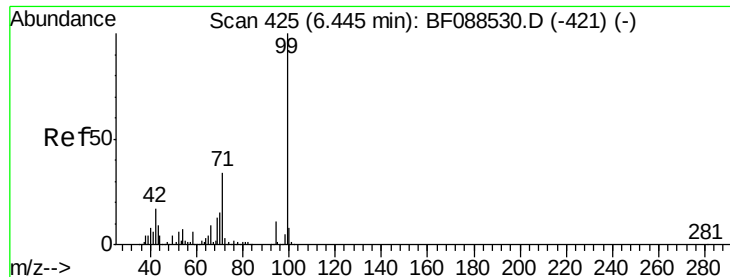


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 79.83 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C

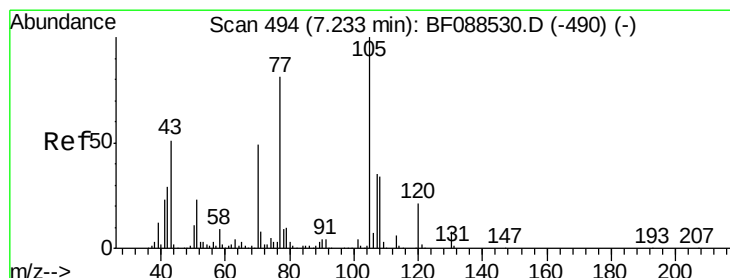
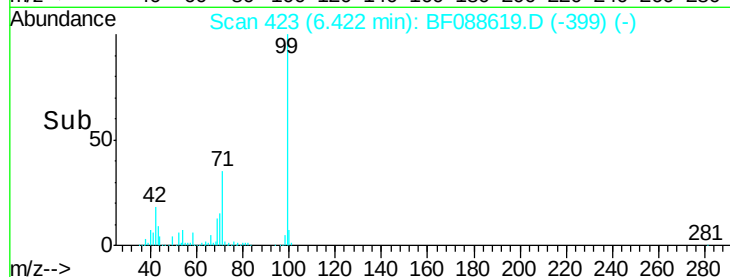
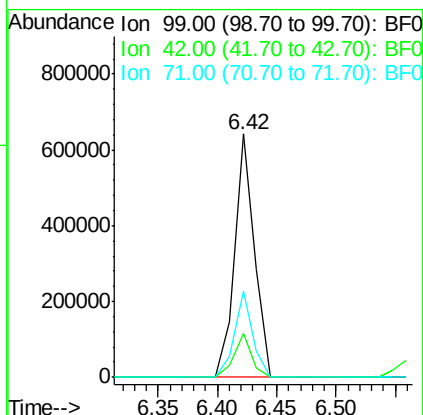
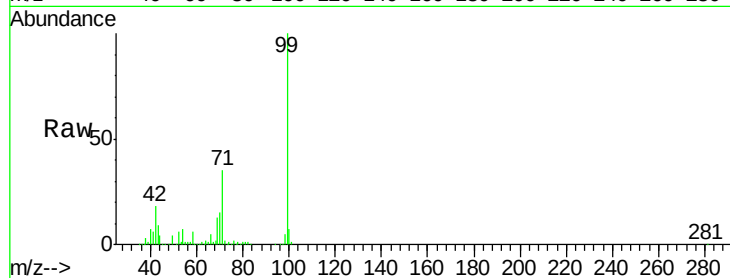
Tgt Ion: 99 Resp: 739177

Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

71 35.4 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 11.71 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.13 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Tgt Ion: 70 Resp: 72834

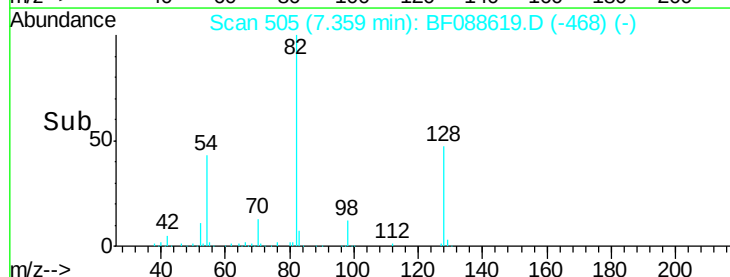
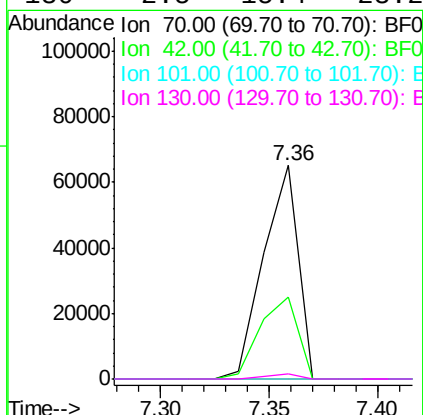
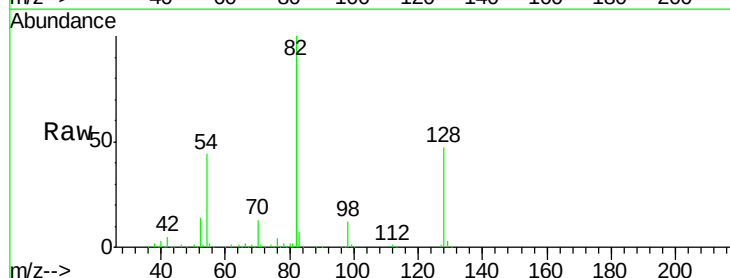
Ion Ratio Lower Upper

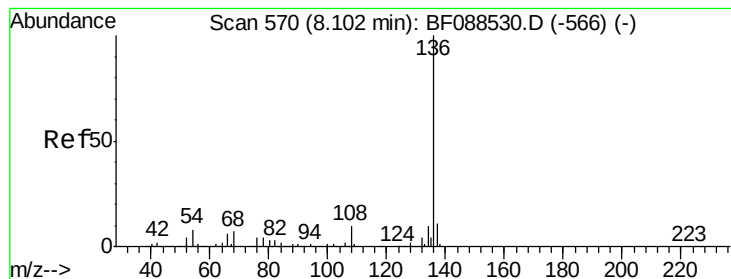
70 100

42 38.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C

Tgt Ion:136 Resp: 461804

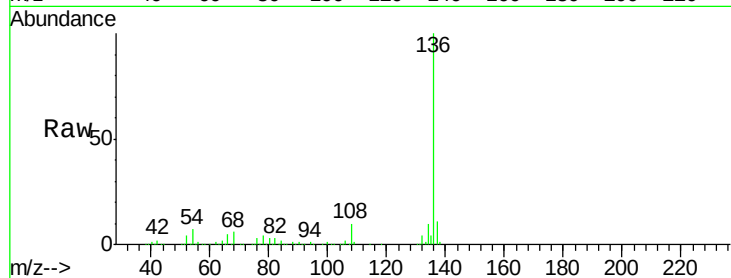
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.3 6.6 10.0

68 6.3 5.1 7.7

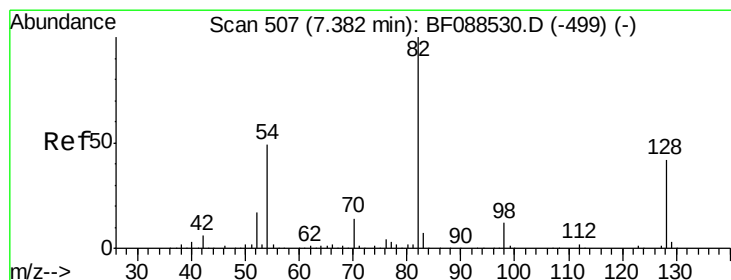
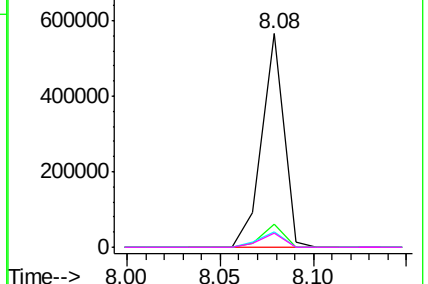
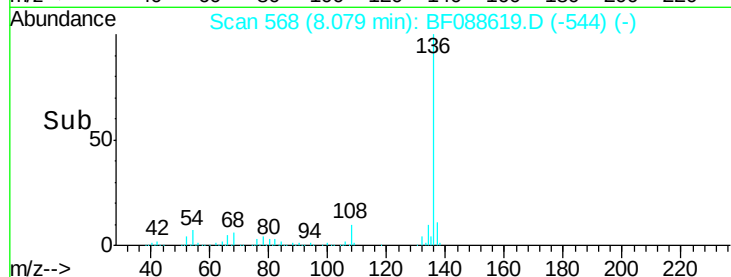


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.35 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

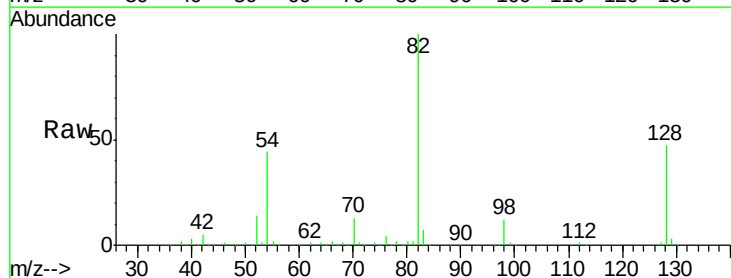
Tgt Ion: 82 Resp: 549423

Ion Ratio Lower Upper

82 100

128 47.0 35.9 53.9

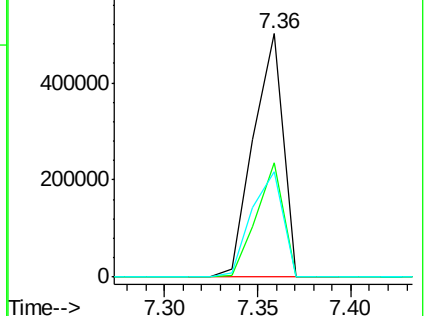
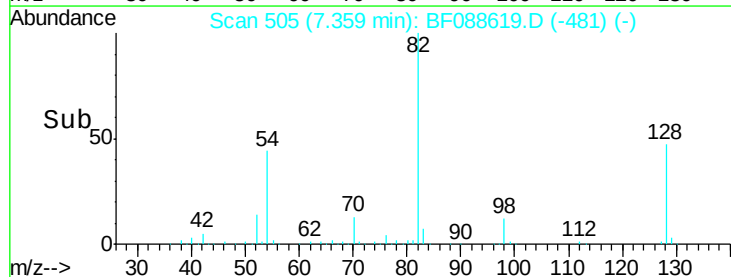
54 43.5 40.9 61.3

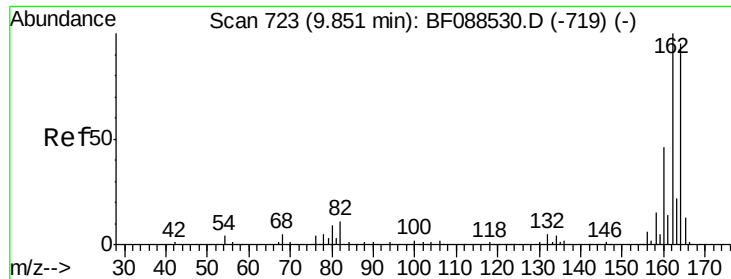


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

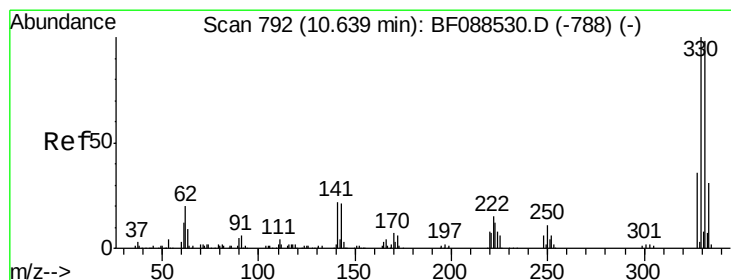
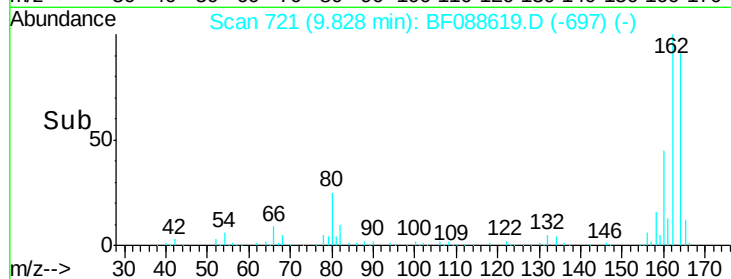
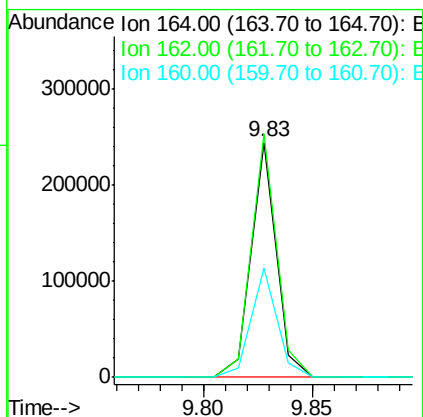
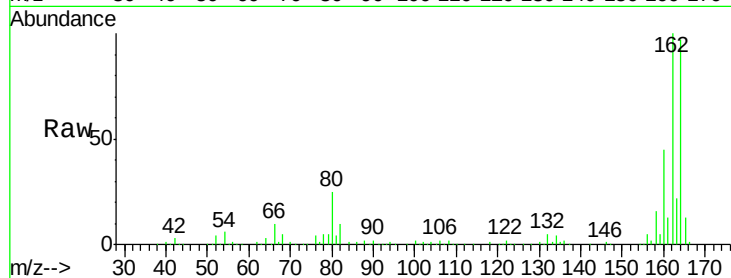




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

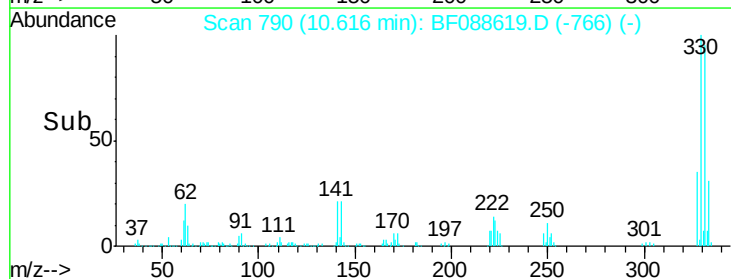
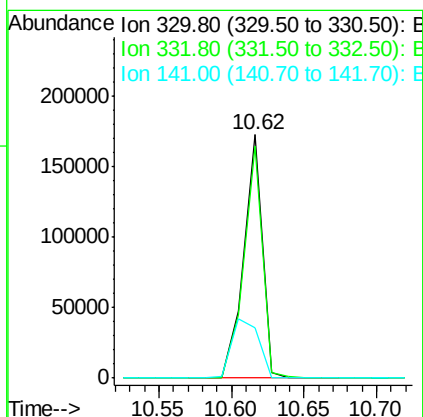
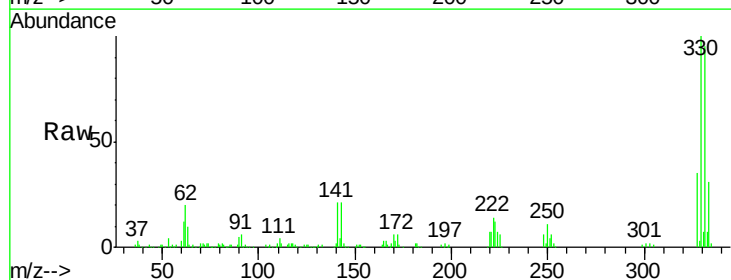
Instrument :
 BNA_F
 ClientSampleId :
 L8-B2(0-12)C

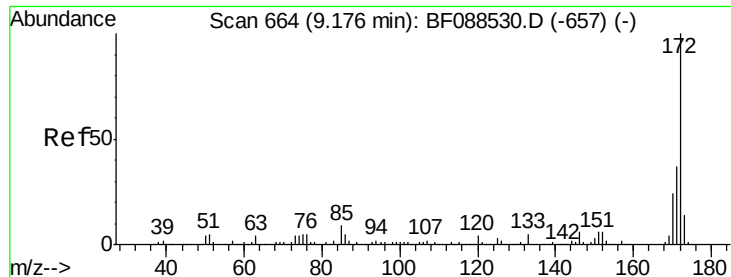
Tgt Ion:164 Resp: 196055
 Ion Ratio Lower Upper
 164 100
 162 103.5 85.4 128.2
 160 46.6 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 85.07 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

Tgt Ion:330 Resp: 154876
 Ion Ratio Lower Upper
 330 100
 332 95.7 0.0 0.0#
 141 35.4 0.0 0.0#

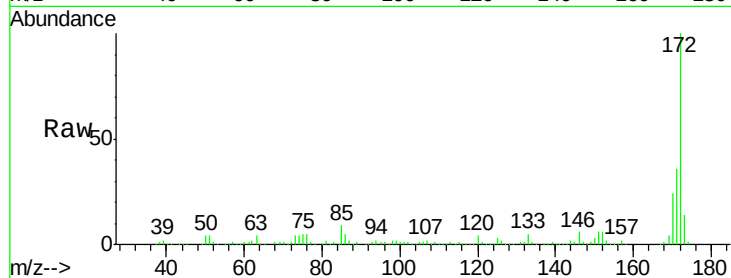




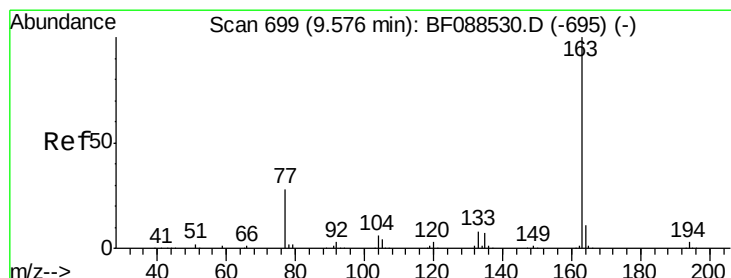
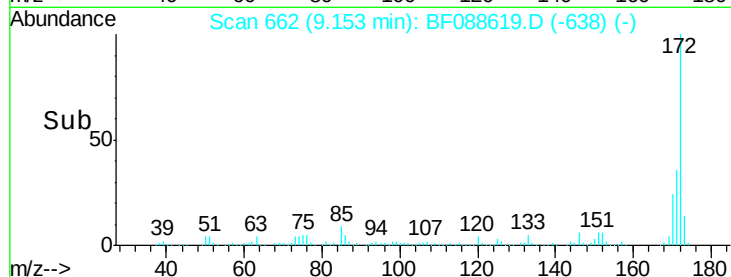
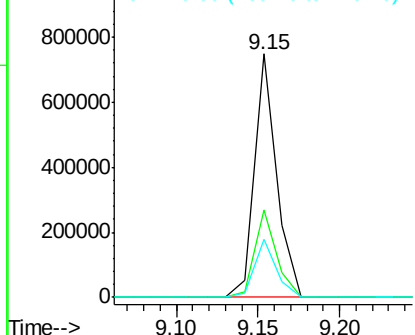
#44
2-Fluorobiphenyl
Concen: 56.54 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Instrument :
BNA_F
ClientSampleId :
L8-B2(0-12)C

Tgt Ion:172 Resp: 701715
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.8 19.2 28.8

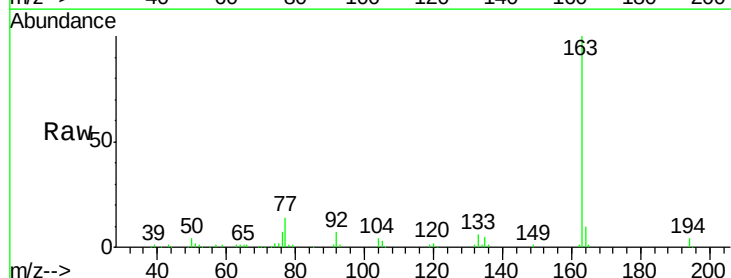


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

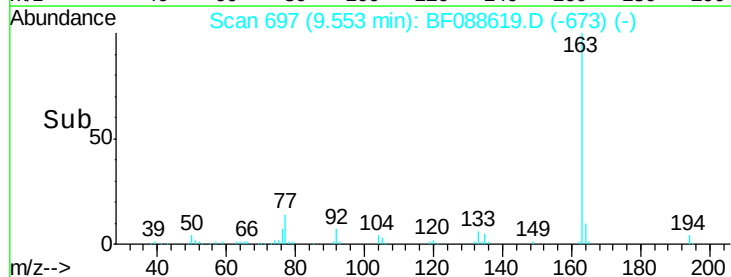
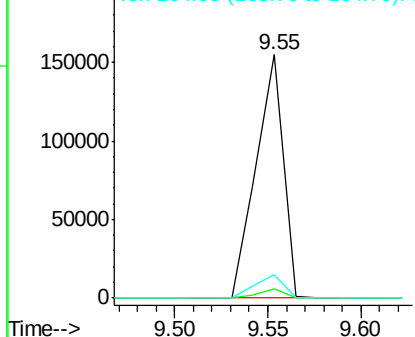


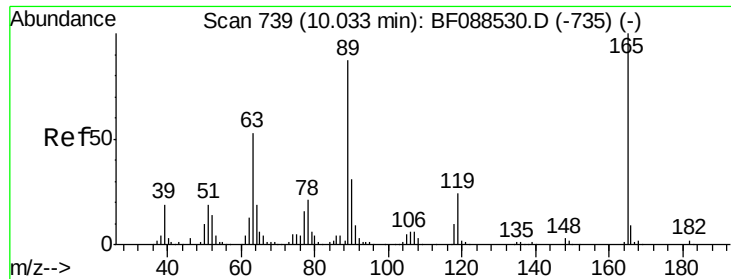
#49
Dimethylphthalate
Concen: 11.18 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Tgt Ion:163 Resp: 156162
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 9.5 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

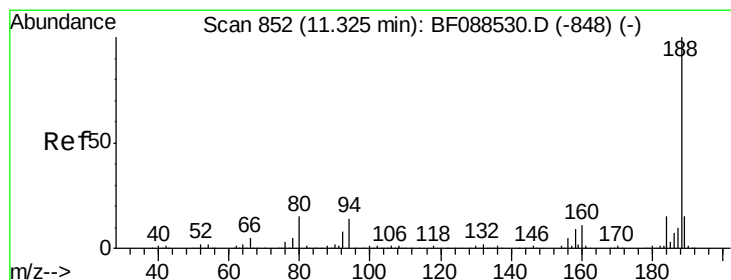
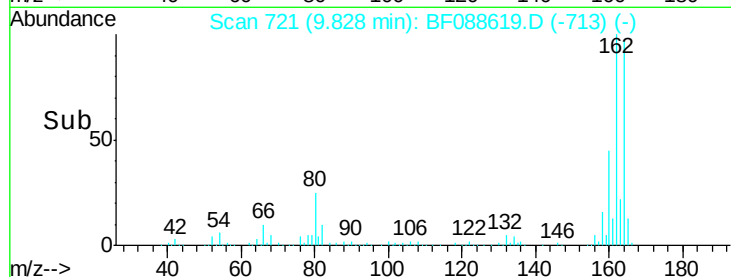
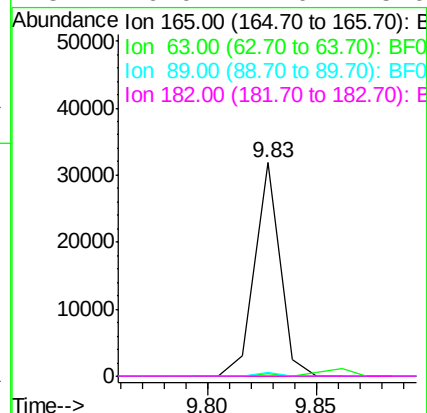
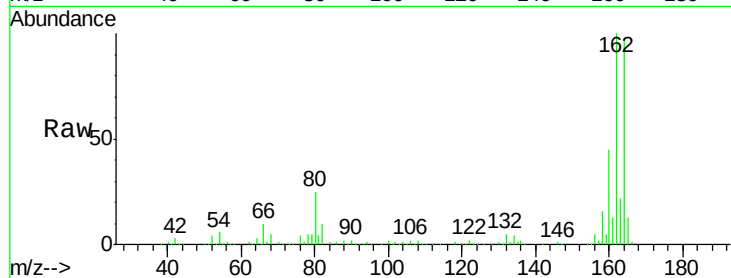




#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.21 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

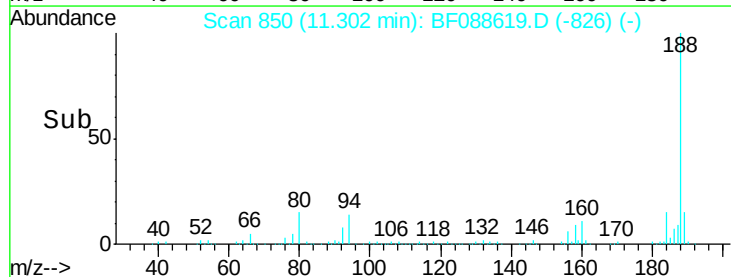
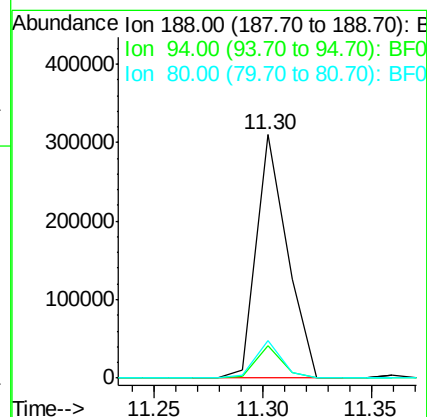
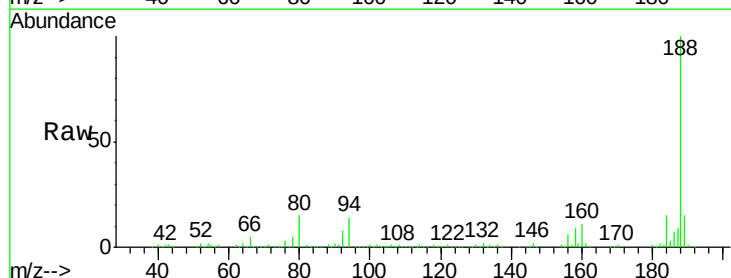
Instrument :
 BNA_F
 ClientSampleId :
 L8-B2(0-12)C

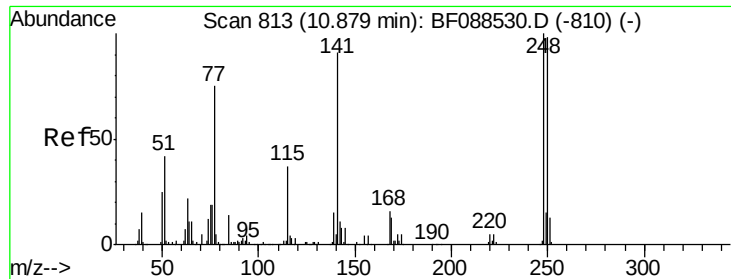
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	22.0	33.0#
89	1.6	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.02 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.5	9.0	13.6
80	15.3	10.0	15.0#





#66

4-Bromophenyl-phenylether

Concen: 3.19 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.26 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C

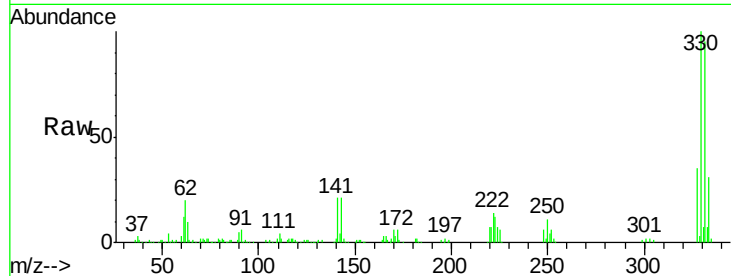
Tgt Ion:248 Resp: 9867

Ion Ratio Lower Upper

248 100

250 205.2 77.1 115.7#

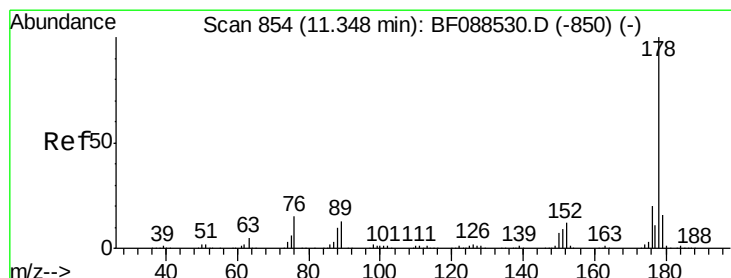
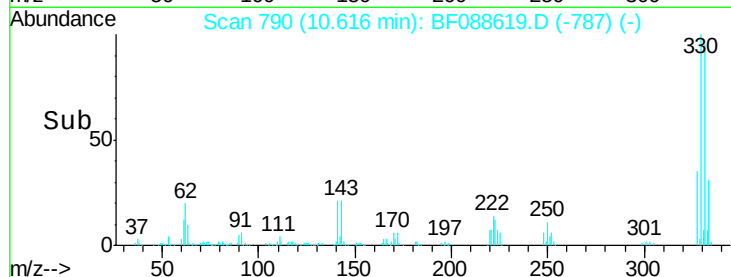
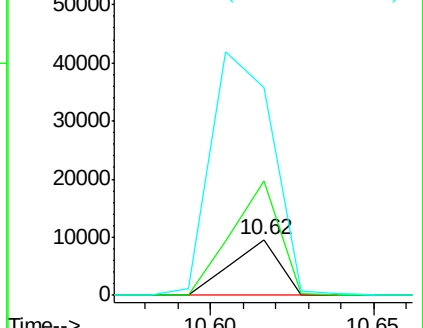
141 372.8 50.6 76.0#



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: 10.25 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

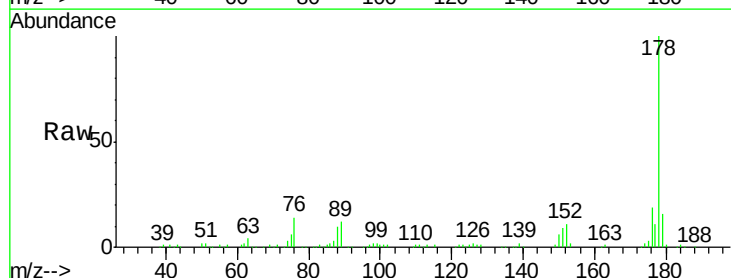
Tgt Ion:178 Resp: 171746

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

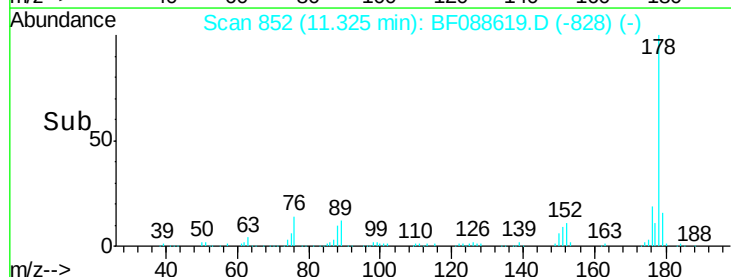
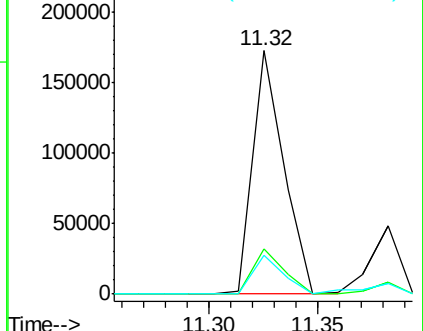
179 15.8 13.0 19.4

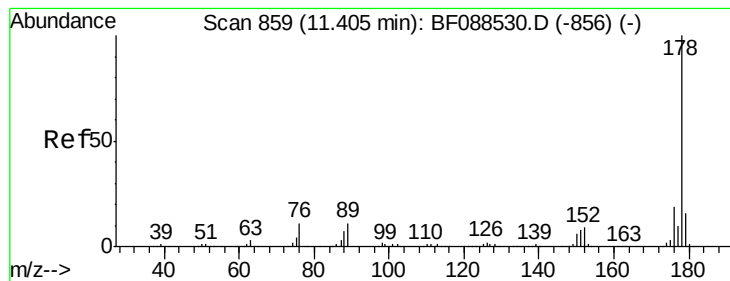


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.67 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C

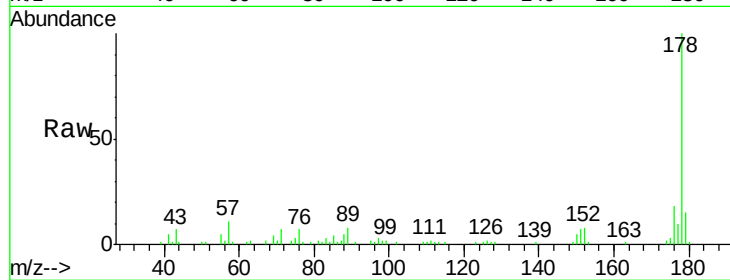
Tgt Ion:178 Resp: 44530

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

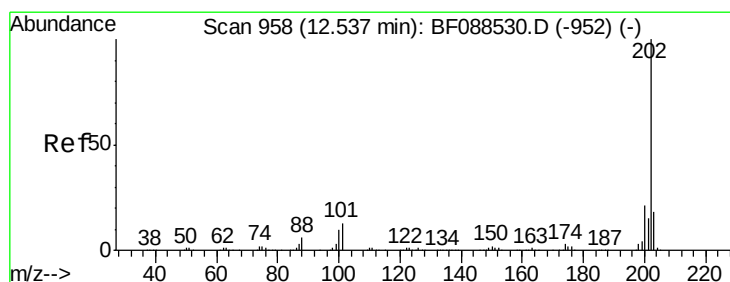
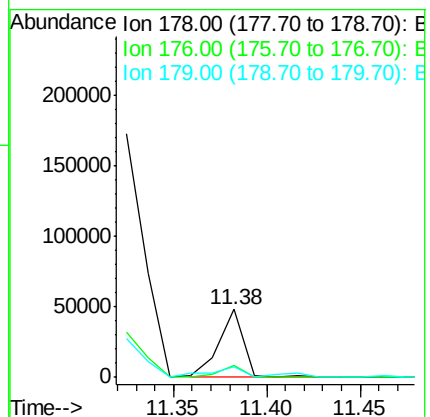
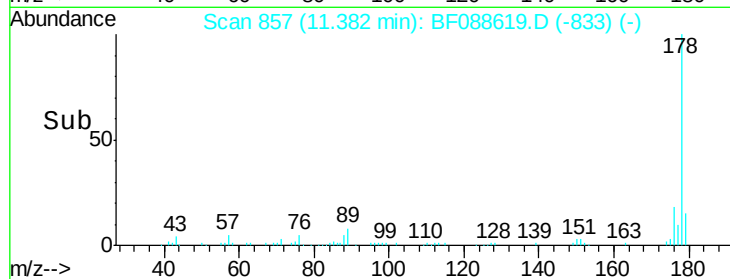
179 15.4 12.8 19.2



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: 15.13 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

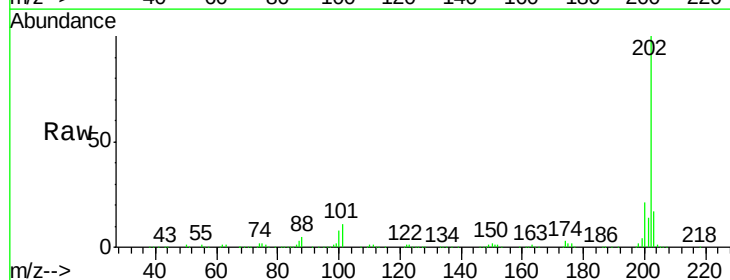
Tgt Ion:202 Resp: 256923

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.1

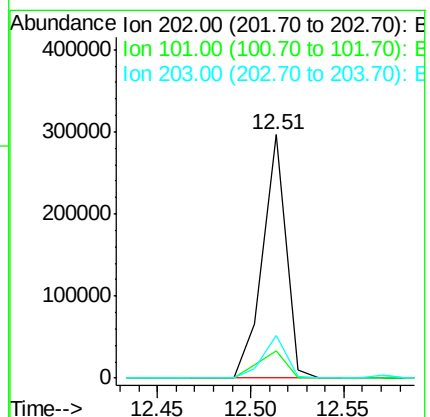
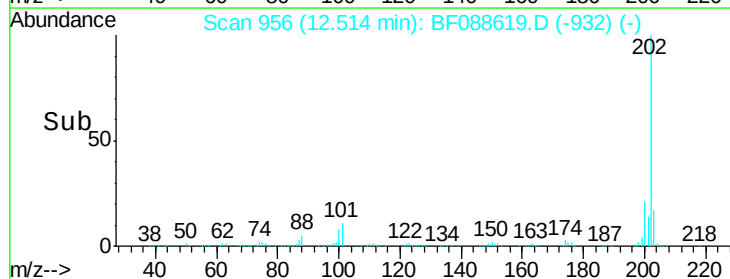
203 17.4 0.0 38.1

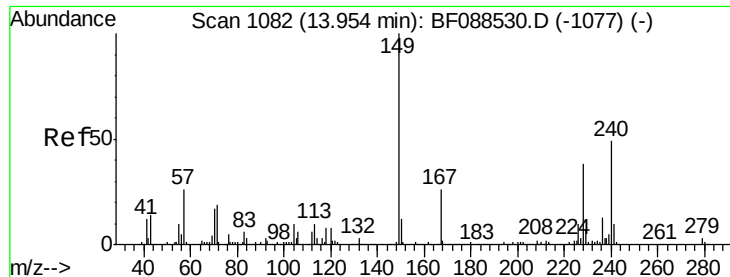


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C

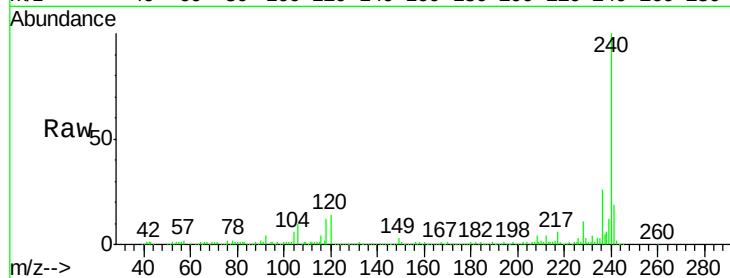
Tgt Ion:240 Resp: 217347

Ion Ratio Lower Upper

240 100

120 13.7 6.8 10.2#

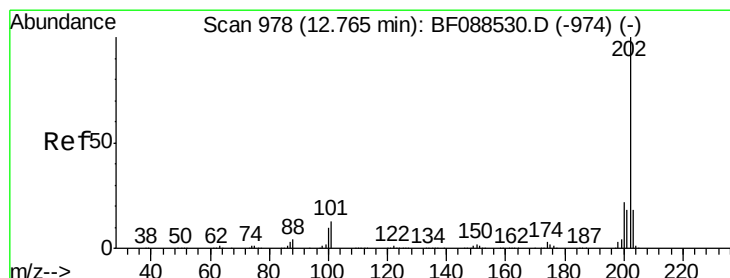
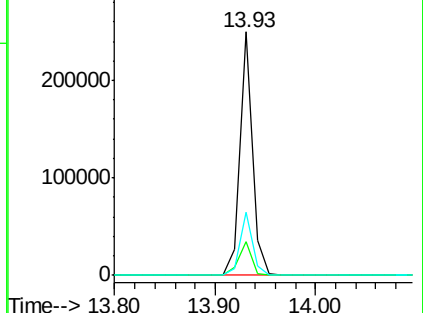
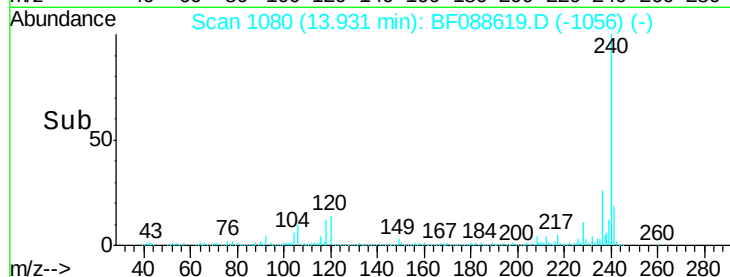
236 25.8 20.2 30.2



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: 11.71 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

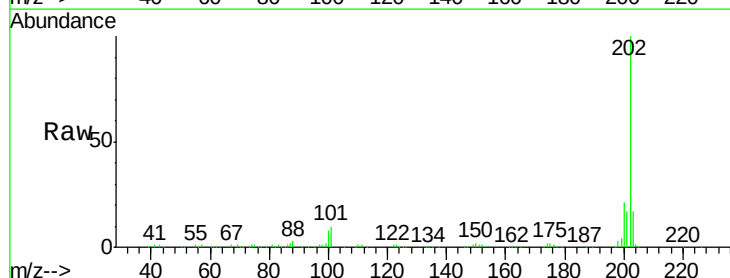
Tgt Ion:202 Resp: 215864

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

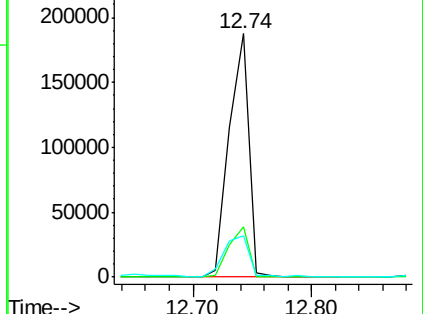
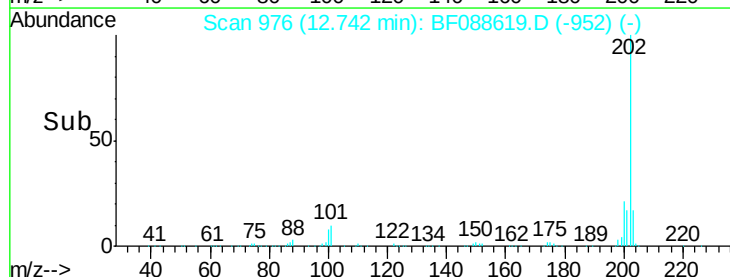
203 17.1 14.5 21.7

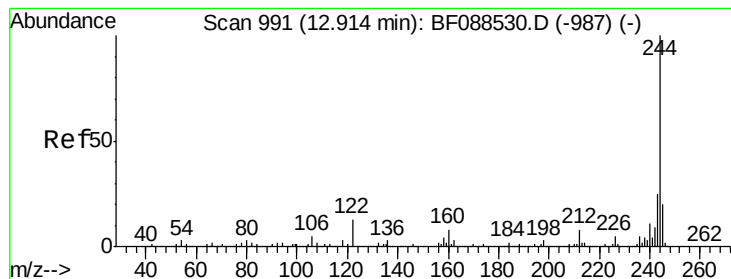


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 48.09 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C

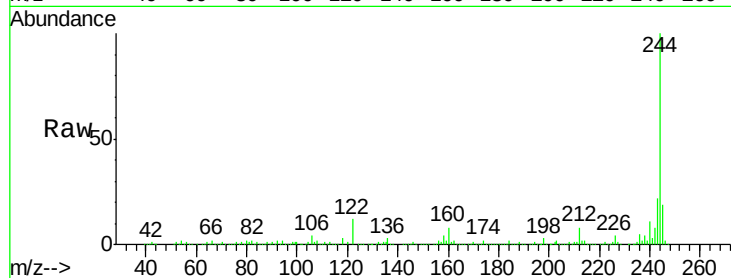
Tgt Ion:244 Resp: 469265

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

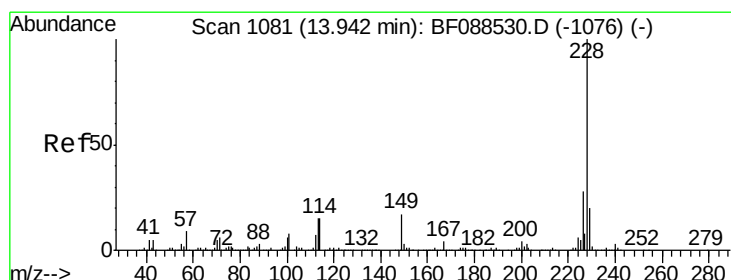
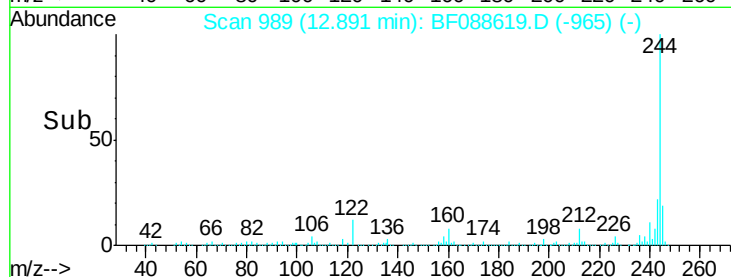
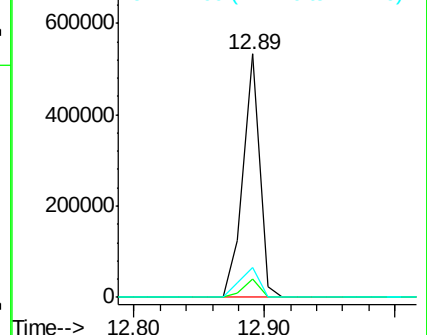
122 12.2 11.2 16.8



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: 8.23 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

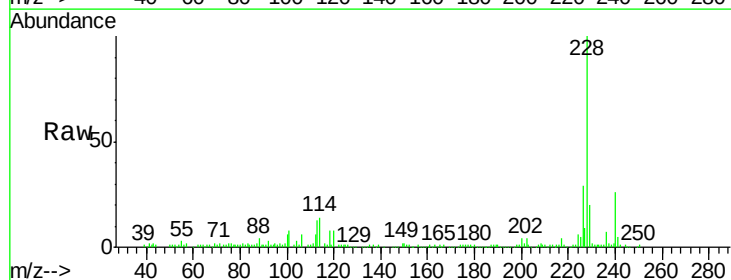
Tgt Ion:228 Resp: 115187

Ion Ratio Lower Upper

228 100

226 28.6 22.3 33.5

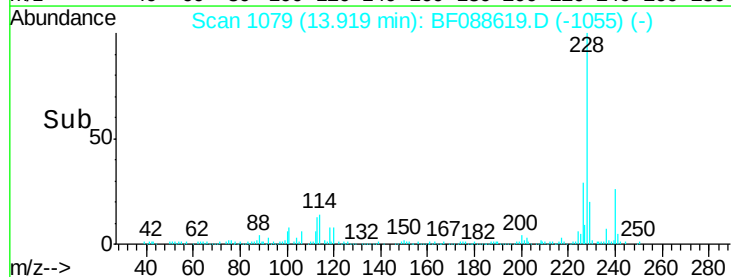
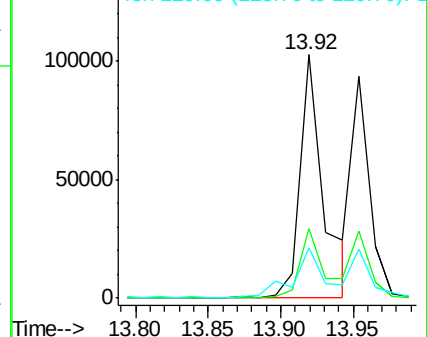
229 20.4 16.0 24.0

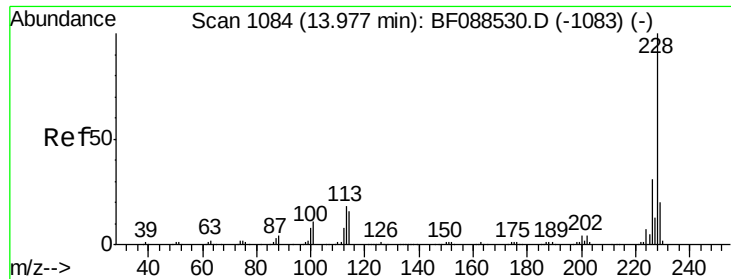


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.80 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C

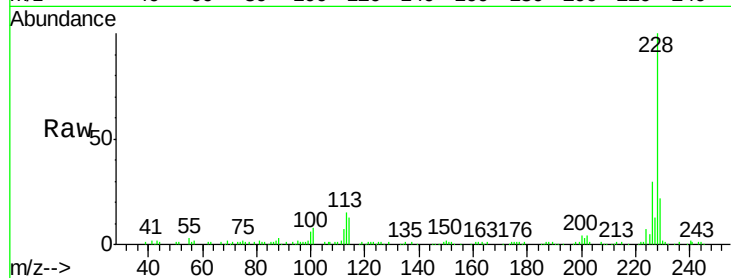
Tgt Ion:228 Resp: 80368

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

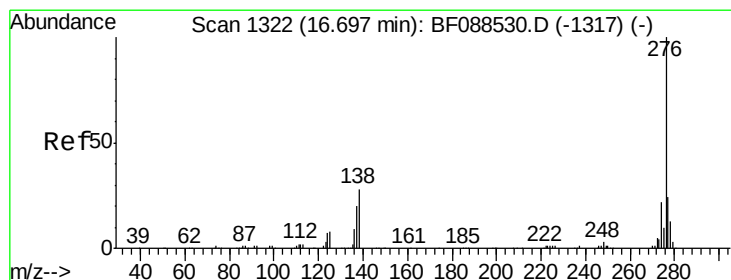
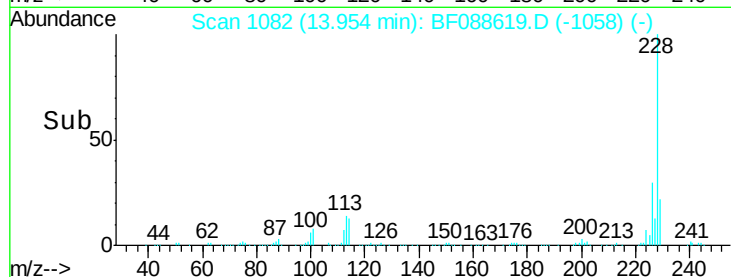
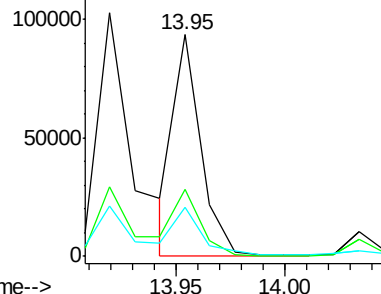
229 22.3 16.3 24.5



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: 4.19 ng

RT: 16.66 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

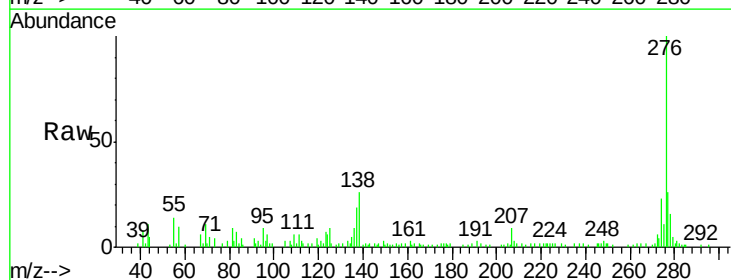
Tgt Ion:276 Resp: 44644

Ion Ratio Lower Upper

276 100

138 26.8 0.0 0.0#

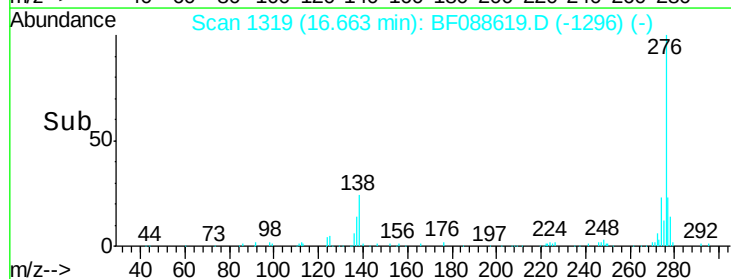
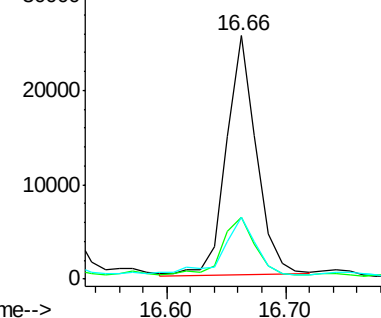
277 30.9 0.0 0.0#

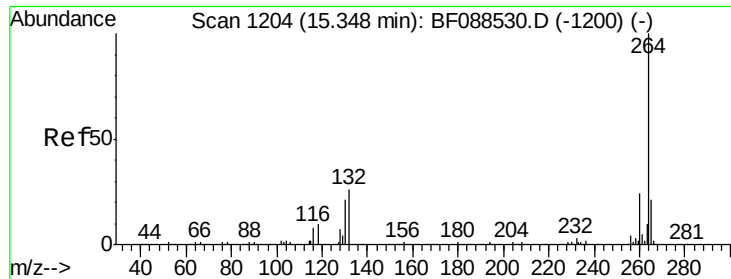


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

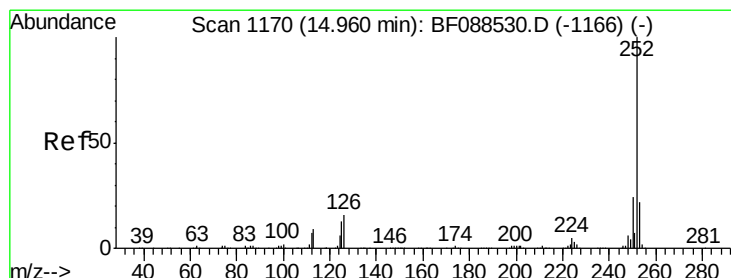
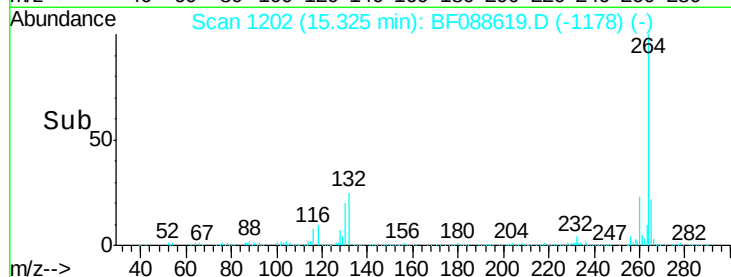
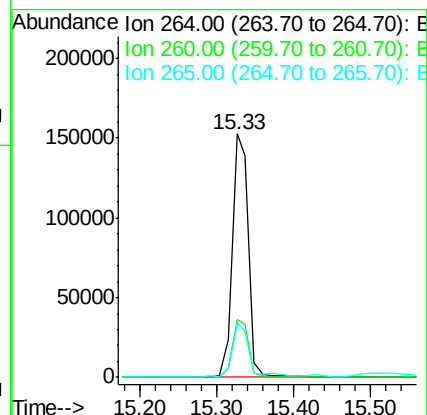
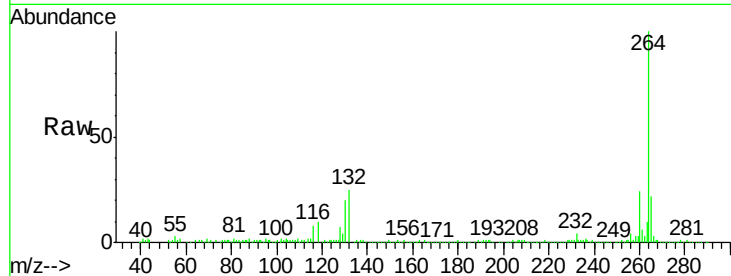




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

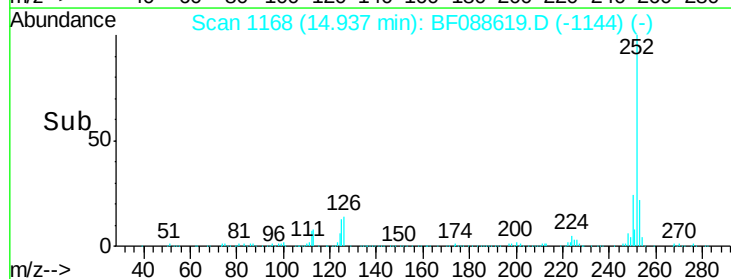
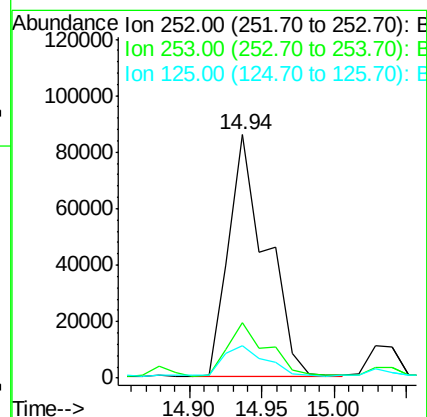
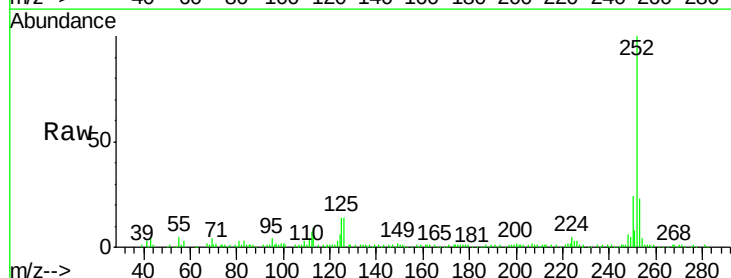
Instrument :
 BNA_F
 ClientSampleId :
 L8-B2(0-12)C

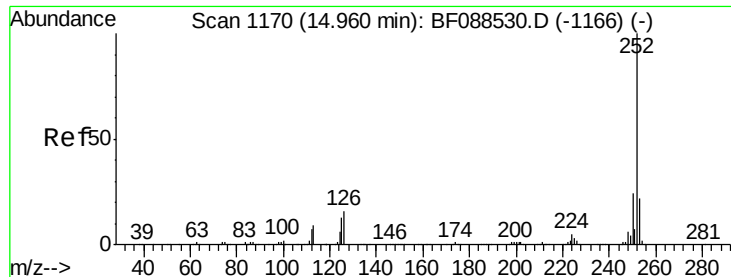
Tgt Ion: 264 Resp: 229621
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 22.2 16.9 25.3



#87
 Benzo(b)fluoranthene
 Concen: 10.81 ng
 RT: 14.94 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

Tgt Ion: 252 Resp: 155777
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.4 26.2
 125 13.5 7.1 10.7#

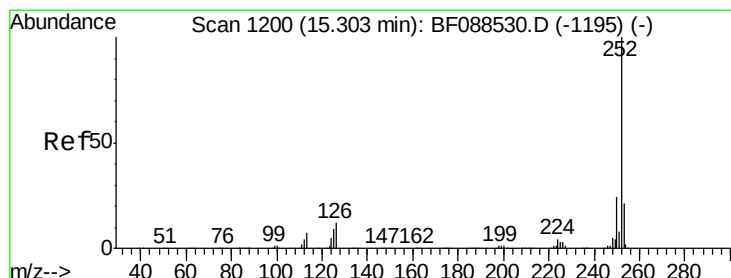
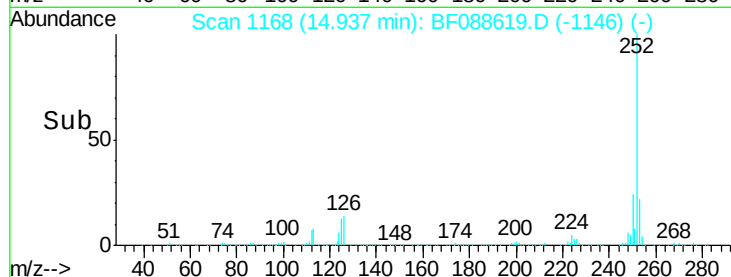
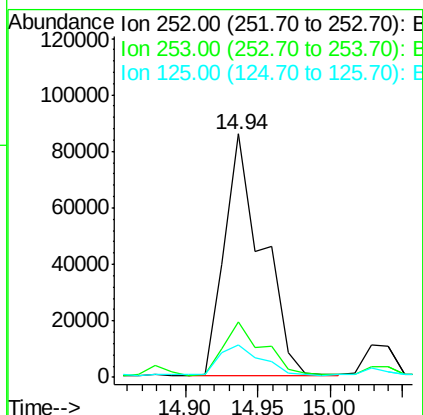
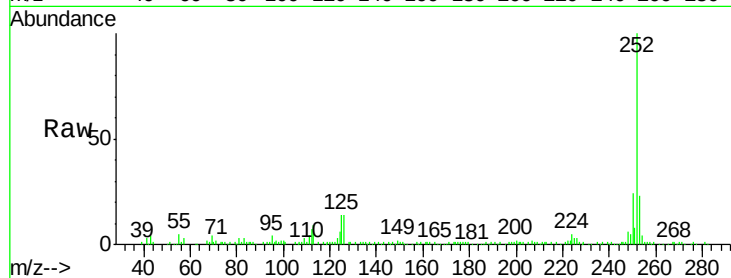




#88
Benzo(k)fluoranthene
Concen: 12.42 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

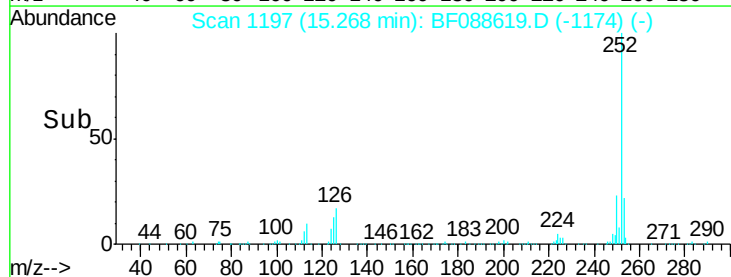
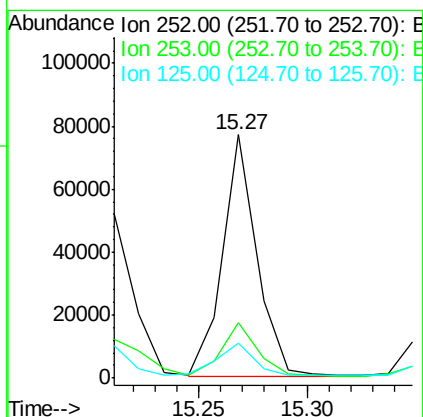
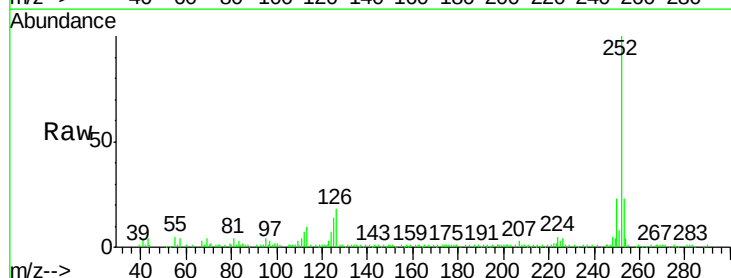
Instrument :
BNA_F
ClientSampleId :
L8-B2(0-12)C

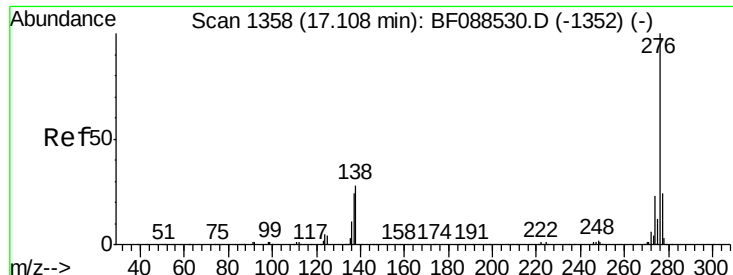
Tgt Ion:252 Resp: 155777
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 13.5 11.2 16.8



#89
Benzo(a)pyrene
Concen: 6.92 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Tgt Ion:252 Resp: 84410
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 14.3 12.5 18.7

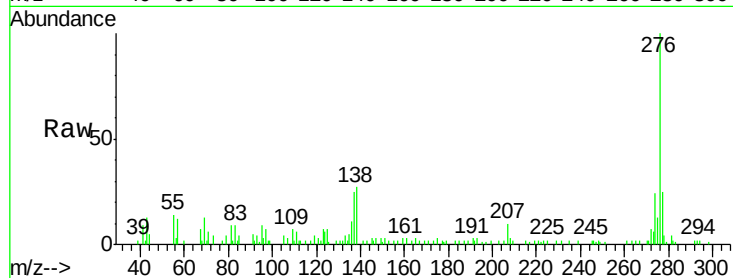




#91
 Benzo(g,h,i)perylene
 Concen: 4.18 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. -0.05 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

Instrument :
 BNA_F
 ClientSampleId :
 L8-B2(0-12)C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	27.2	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

