

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088375.D
 Acq On : 25 Jun 2016 14:20
 Operator : UM/SJ
 Sample : H3602-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q8-B2(0-16)C

Quant Time: Jun 26 02:42:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

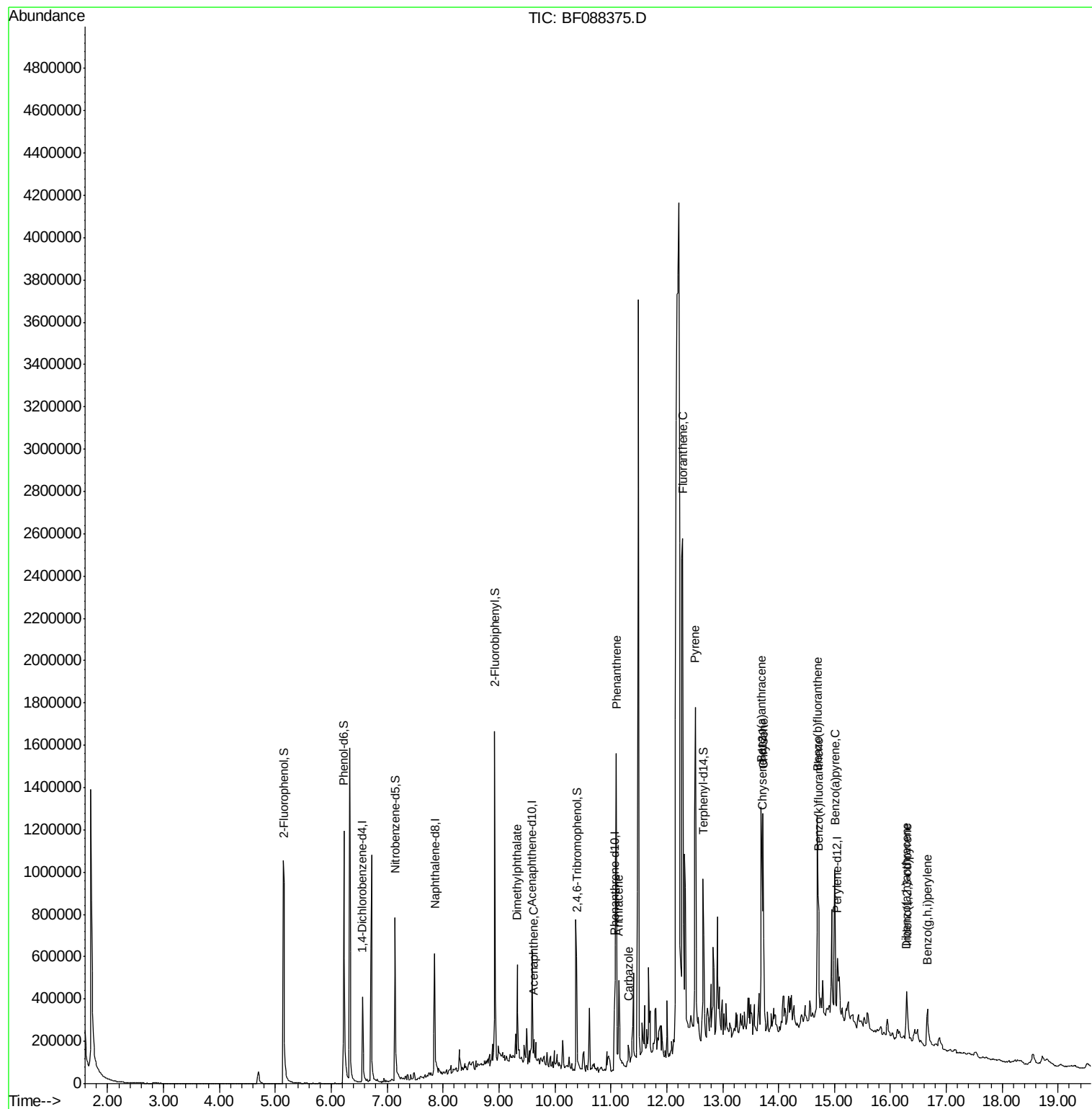
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	83848	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	324152	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	137091	20.00	ng	-0.06
63) Phenanthrene-d10	11.07	188	220046	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	151915	20.00	ng	-0.05
86) Perylene-d12	15.05	264	147763	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	569562	116.13	ng	-0.02
7) Phenol-d6	6.23	99	660945	111.19	ng	-0.03
23) Nitrobenzene-d5	7.14	82	417435	75.20	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	129086	89.18	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	548297	61.28	ng	-0.05
78) Terphenyl-d14	12.65	244	317525	47.56	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.32	163	184108	18.54	ng	100
51) Acenaphthene	9.62	154	19232	2.18	ng	99
70) Phenanthrene	11.10	178	672734	58.26	ng	99
71) Anthracene	11.14	178	222221	19.08	ng	98
72) Carbazole	11.31	167	65908	6.05	ng	99
74) Fluoranthene	12.29	202	801668	65.79	ng	96
77) Pyrene	12.51	202	839707	74.49	ng	99
80) Benzo(a)anthracene	13.69	228	547851	63.28	ng	98
82) Chrysene	13.73	228	413495	50.77	ng	97
85) Indeno(1,2,3-cd)pyrene	16.30	276	174585	23.07	ng	# 100
87) Benzo(b)fluoranthene	14.70	252	526838m	51.15	ng	
88) Benzo(k)fluoranthene	14.71	252	207579m	26.72	ng	
89) Benzo(a)pyrene	15.01	252	365820	43.90	ng	97
90) Dibenzo(a,h)anthracene	16.29	278	51178m	6.61	ng	
91) Benzo(a,h,i)perylene	16.66	276	153965	19.34	ng	98

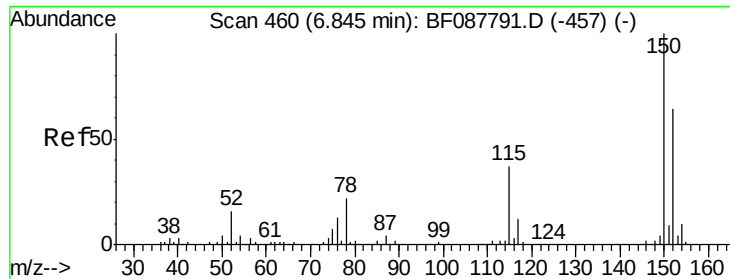
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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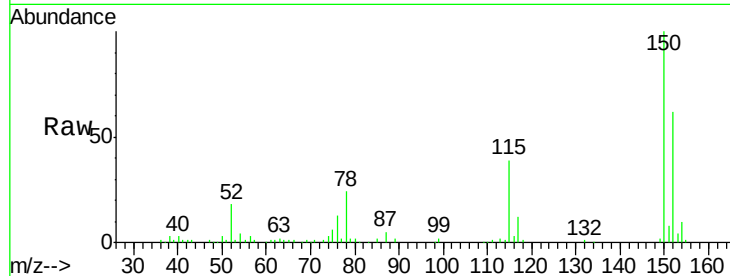


#1

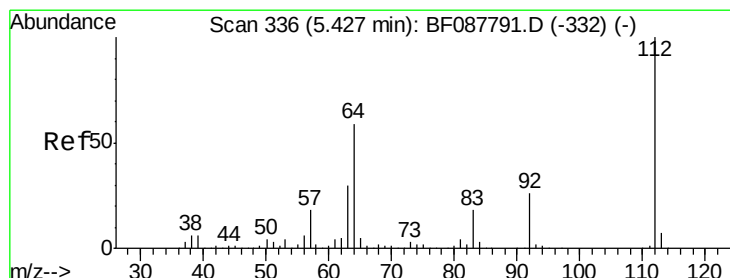
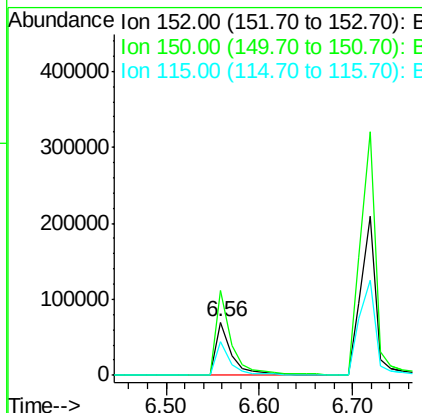
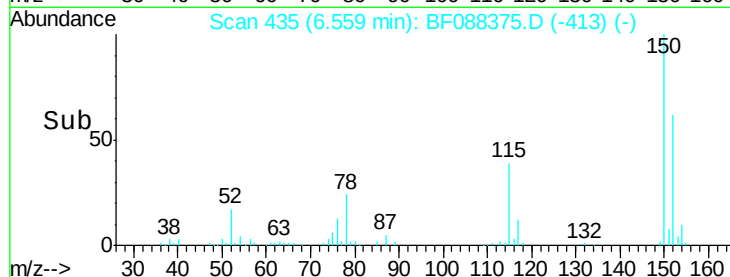
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

Instrument :
BNA_F
ClientSampleId :
Q8-B2(0-16)C

Tot Ion:152 Resp: 83848
Ion Ratio Lower Upper
152 100
150 160.1 123.8 185.6
115 62.9 39.6 59.4#



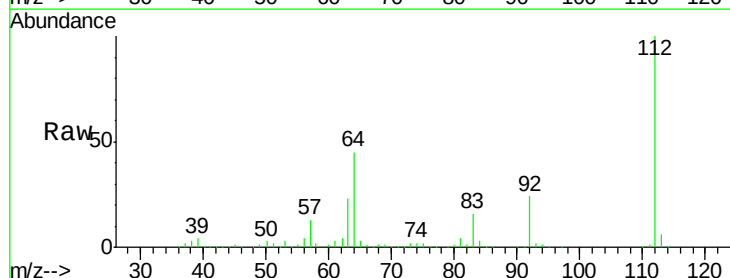
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



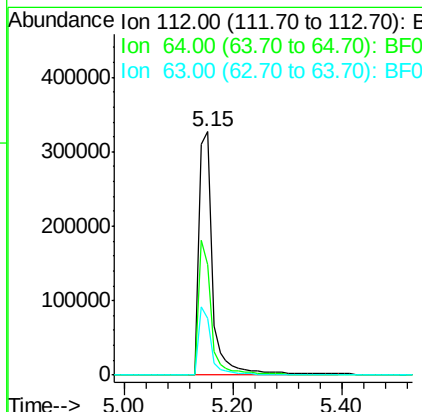
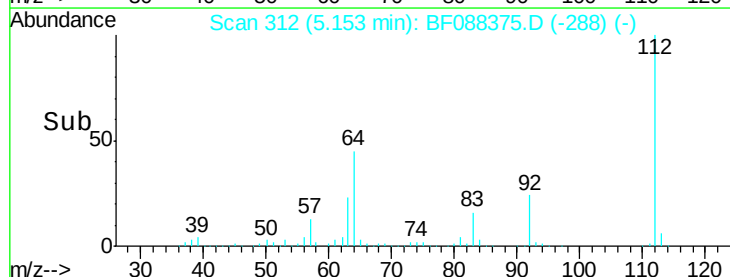
#5

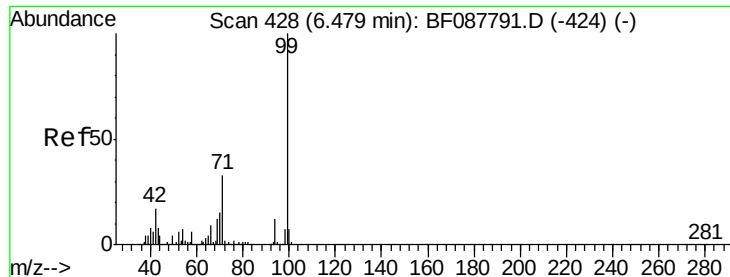
2-Fluorophenol
Concen: 116.13 ng
RT: 5.15 min Scan# 312
Delta R.T. -0.02 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

Tgt Ion:112 Resp: 569562
Ion Ratio Lower Upper
112 100
64 45.4 42.2 63.2
63 23.1 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: 111.19 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

Instrument :

BNA_F

ClientSampleId :

Q8-B2(0-16)C

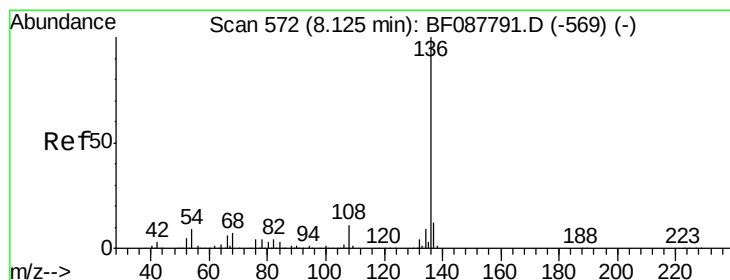
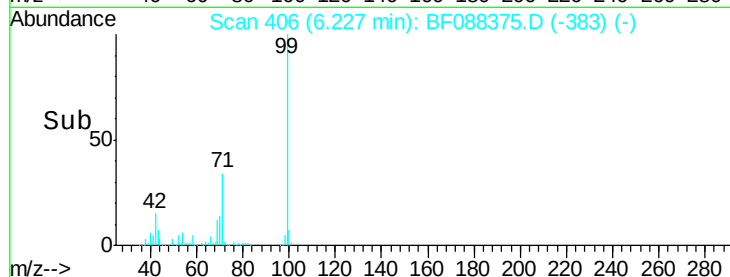
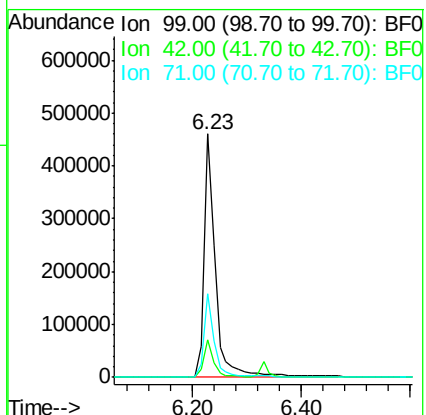
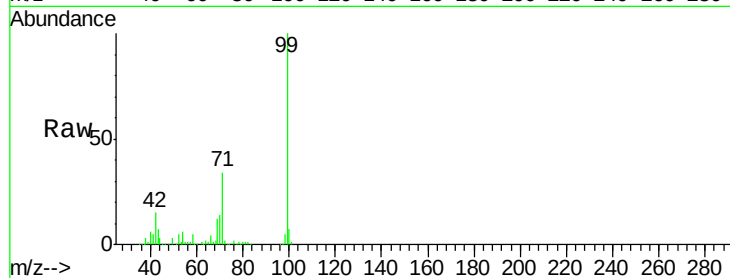
Tot Ion: 99 Resp: 660945

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

71 34.1 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

Tgt Ion: 136 Resp: 324152

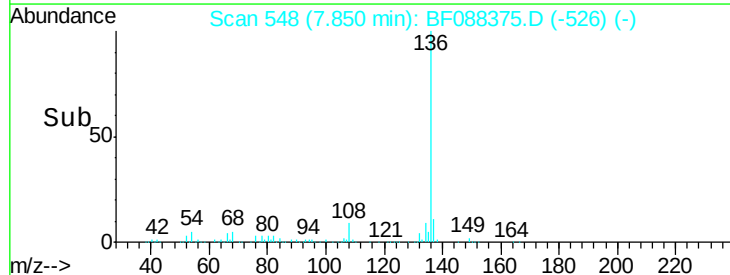
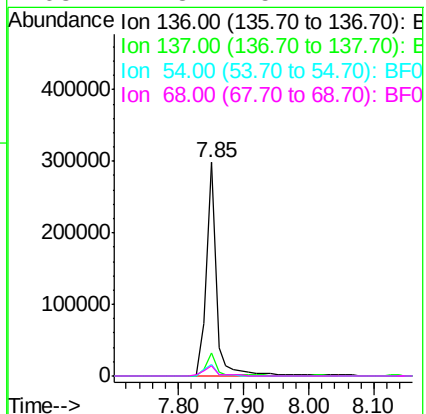
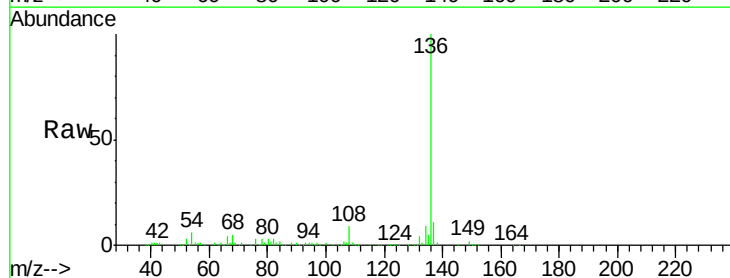
Ion Ratio Lower Upper

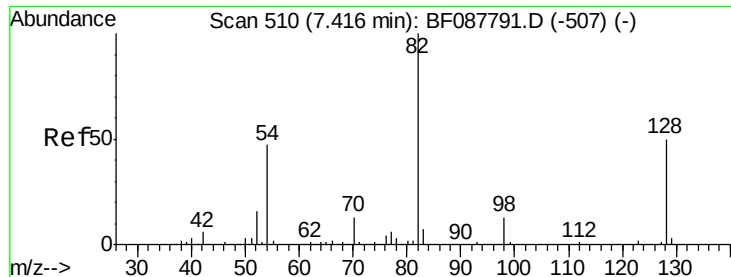
136 100

137 10.7 9.1 13.7

54 5.5 6.6 10.0#

68 4.8 5.1 7.7#

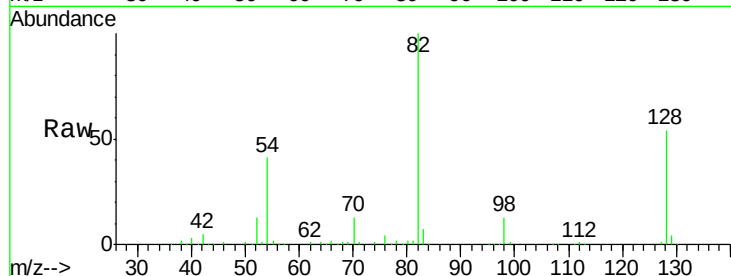




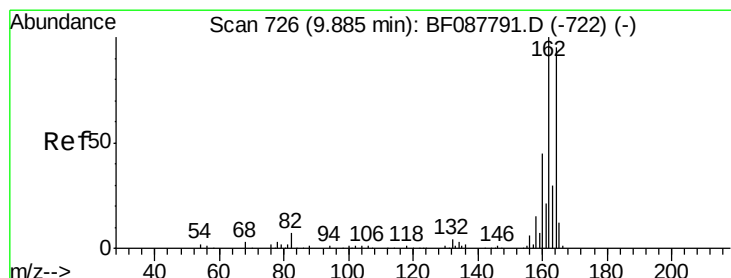
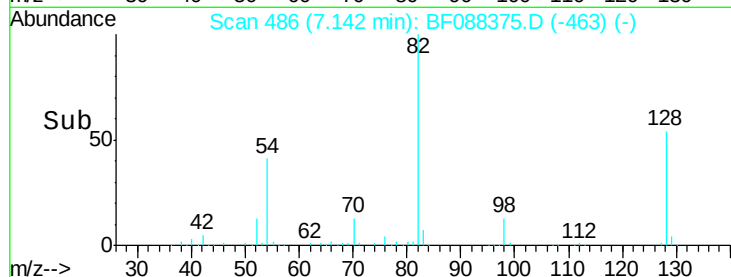
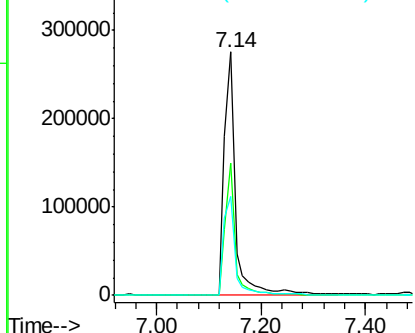
#23
 Nitrobenzene-d5
 Concen: 75.20 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF088375.D
 Acq: 25 Jun 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 Q8-B2(0-16)C

Tot Ion	82	Resp	417435
Ion Ratio	Lower	Upper	
82	100		
128	54.4	35.9	53.9#
54	40.9	40.9	61.3#

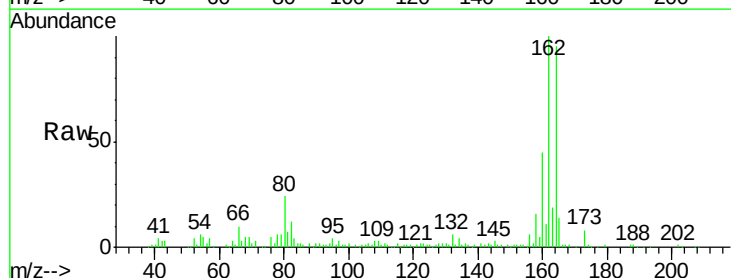


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

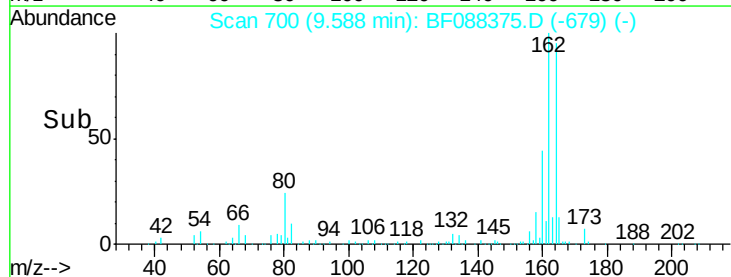
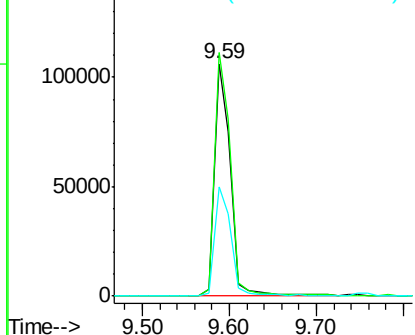


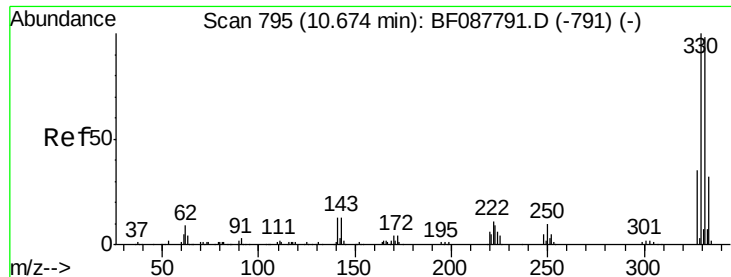
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088375.D
 Acq: 25 Jun 2016 14:20

Tgt Ion	164	Resp	137091
Ion Ratio	Lower	Upper	
164	100		
162	104.8	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

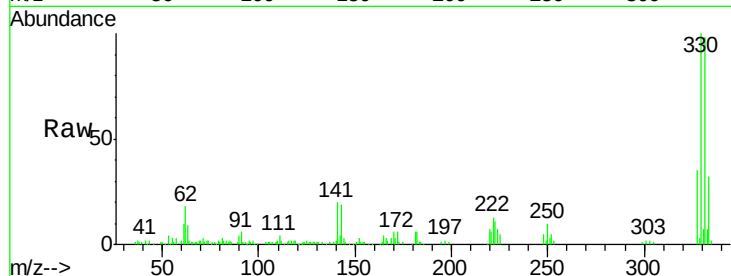




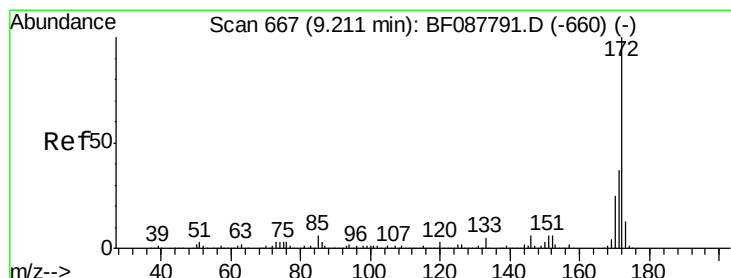
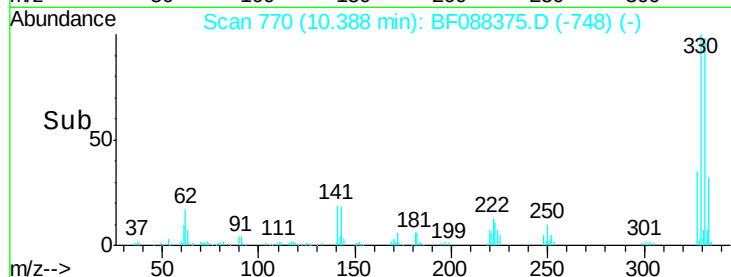
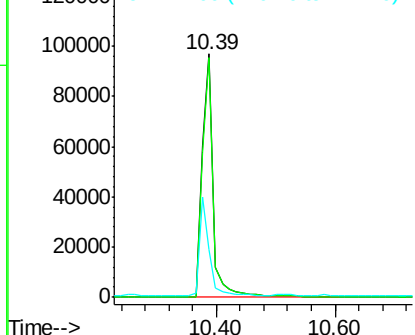
#41
 2,4,6-Tribromophenol
 Concen: 89.18 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088375.D
 Acq: 25 Jun 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 Q8-B2(0-16)C

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	0.0	0.0#
141	36.5	0.0	0.0#

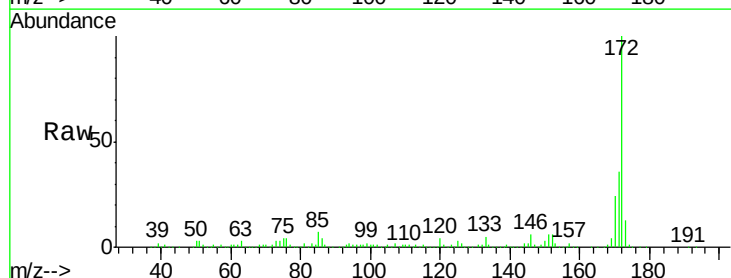


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

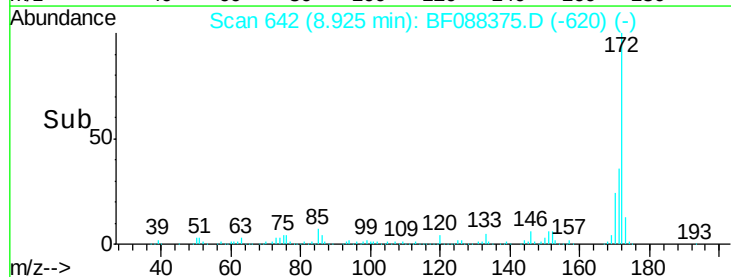
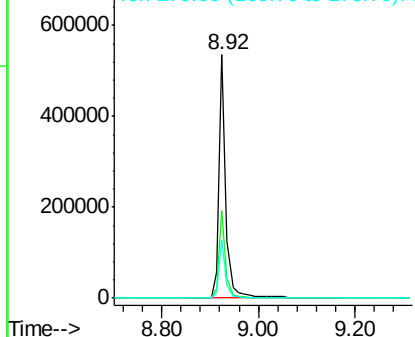


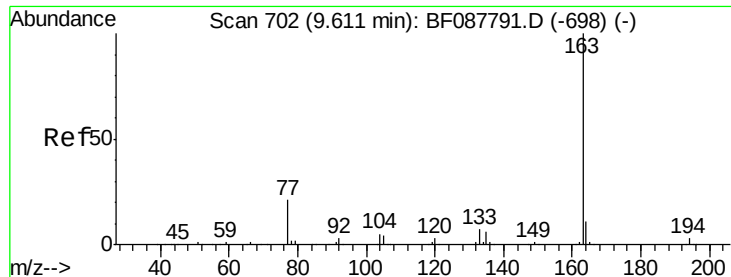
#44
 2-Fluorobiphenyl
 Concen: 61.28 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088375.D
 Acq: 25 Jun 2016 14:20

Tgt 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: 18.54 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

Instrument :

BNA_F

ClientSampleId :

Q8-B2(0-16)C

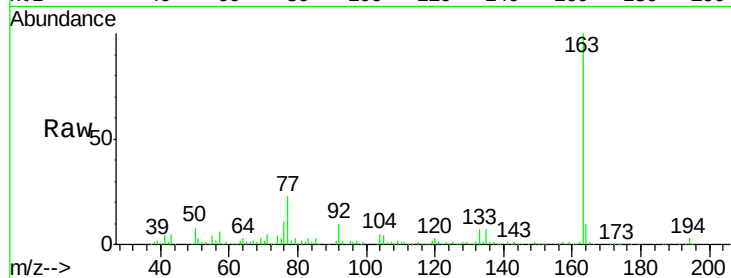
Tot Ion:163 Resp: 184108

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

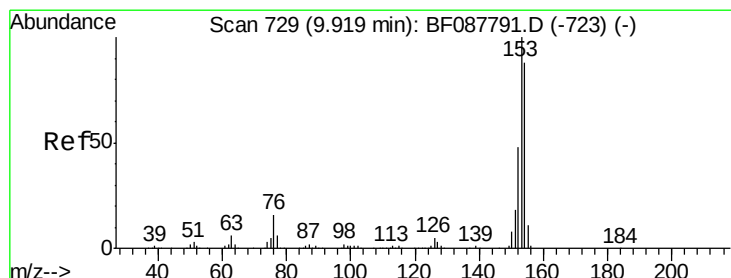
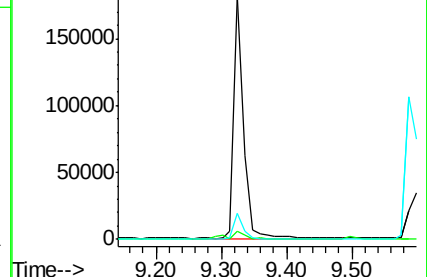
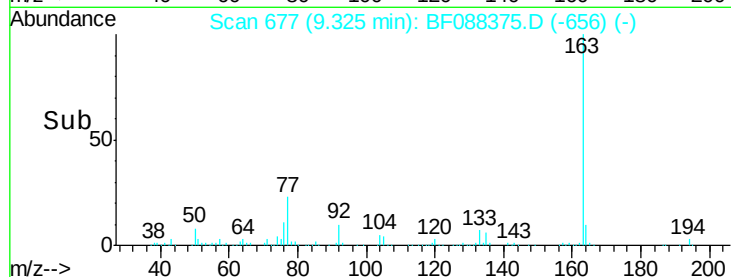
164 10.5 8.3 12.5



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



#51

Acenaphthene

Concen: 2.18 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.06 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

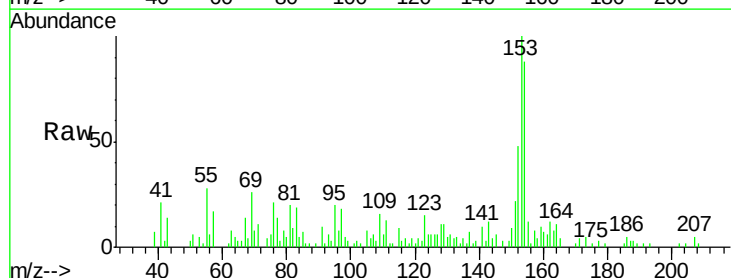
Tgt Ion:154 Resp: 19232

Ion Ratio Lower Upper

154 100

153 113.6 89.5 134.3

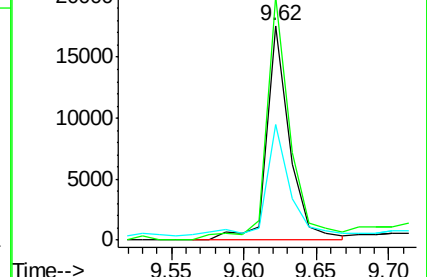
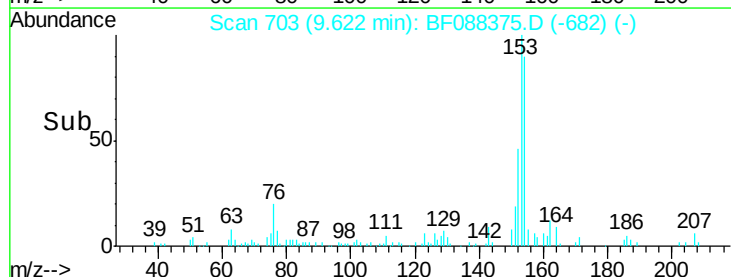
152 54.2 42.7 64.1

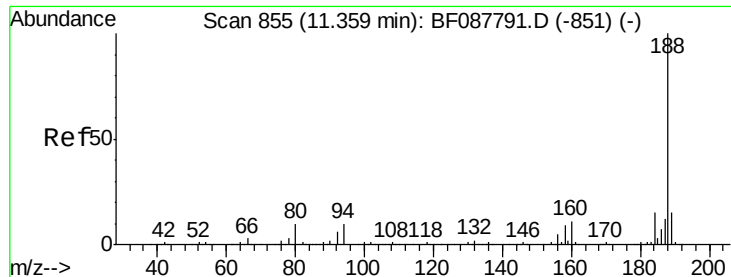


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

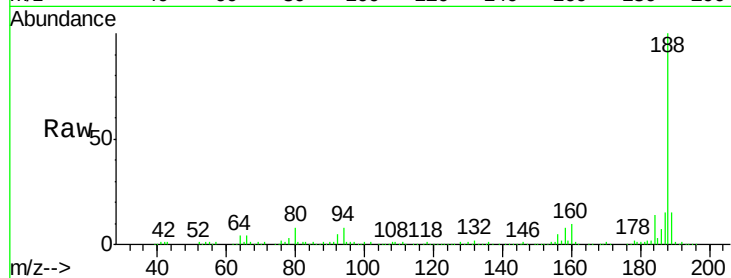




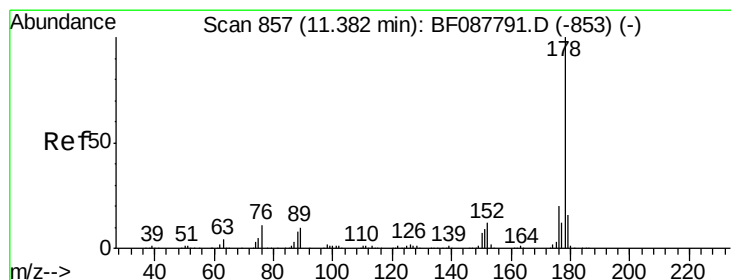
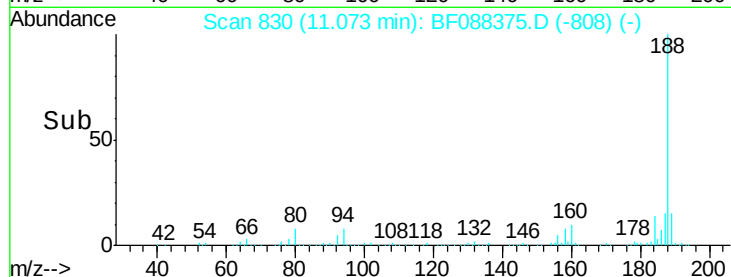
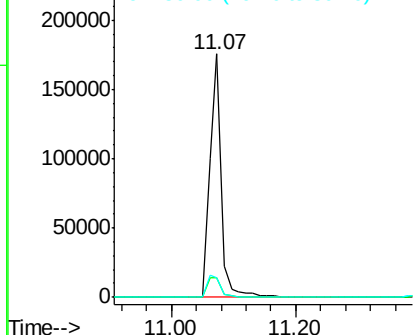
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

Instrument :
BNA_F
ClientSampleId :
Q8-B2(0-16)C

Tot Ion:188 Resp: 220046
Ion Ratio Lower Upper
188 100
94 8.1 9.0 13.6#
80 7.9 10.0 15.0#

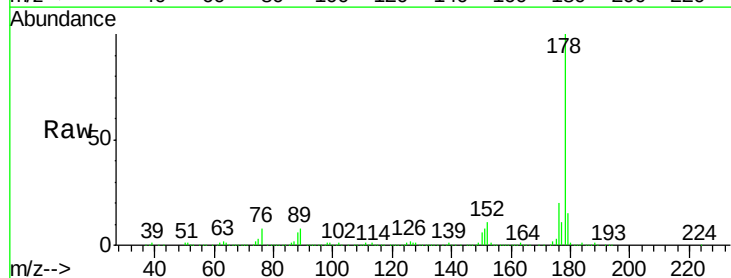


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

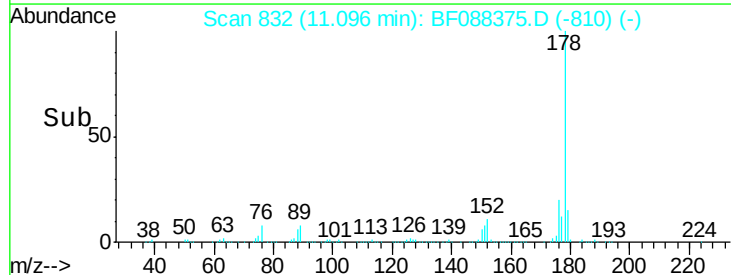
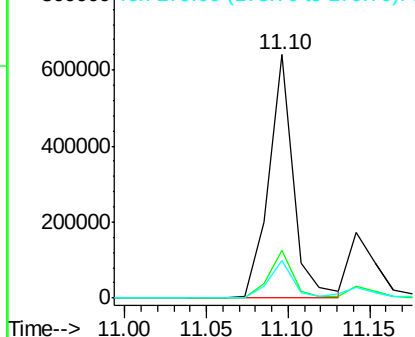


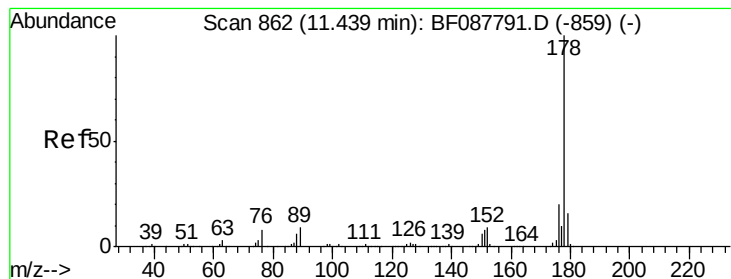
#70
Phenanthrene
Concen: 58.26 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.05 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

Tgt Ion:178 Resp: 672734
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.3 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: 19.08 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

Instrument :

BNA_F

ClientSampleId :

Q8-B2(0-16)C

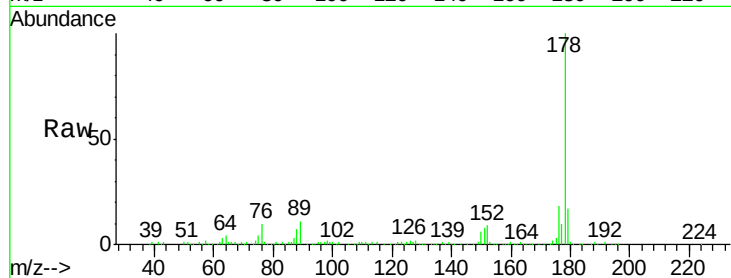
Tot Ion:178 Resp: 222221

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

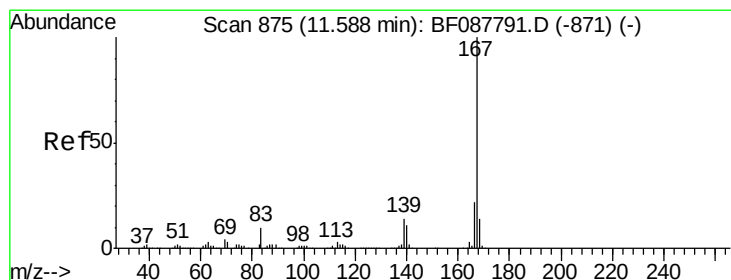
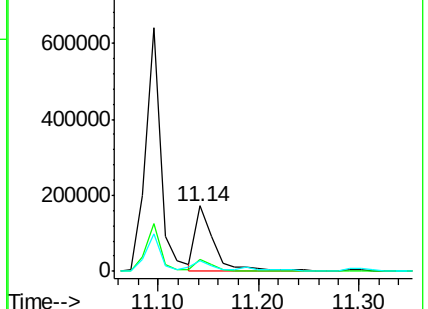
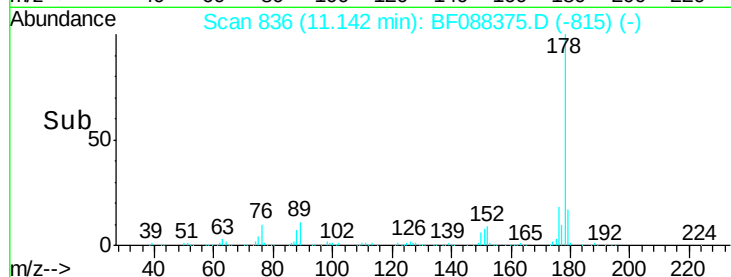
179 16.5 12.8 19.2



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



#72

Carbazole

Concen: 6.05 ng

RT: 11.31 min Scan# 851

Delta R.T. -0.05 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

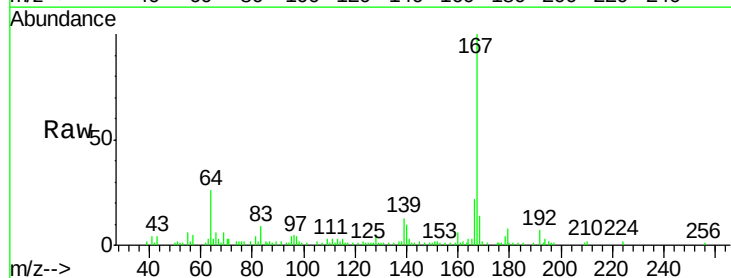
Tgt Ion:167 Resp: 65908

Ion Ratio Lower Upper

167 100

166 21.7 17.8 26.6

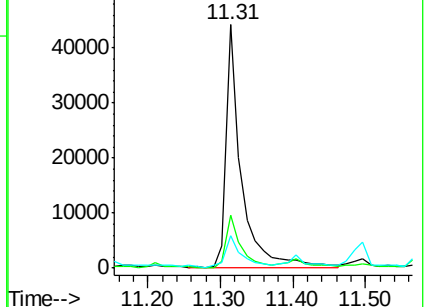
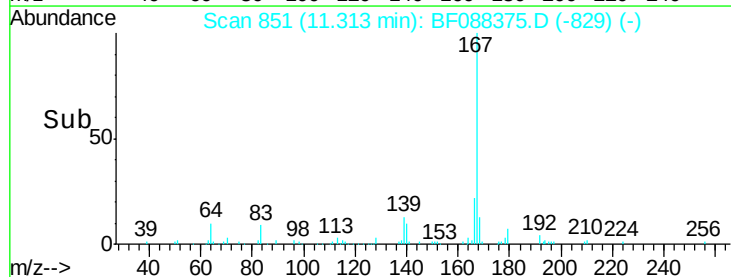
139 13.4 11.2 16.8

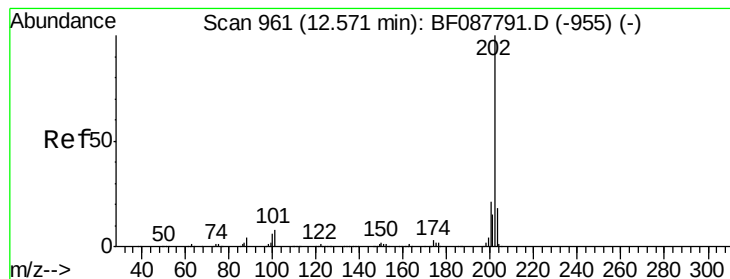


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 65.79 ng

RT: 12.29 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

Instrument :

BNA_F

ClientSampleId :

Q8-B2(0-16)C

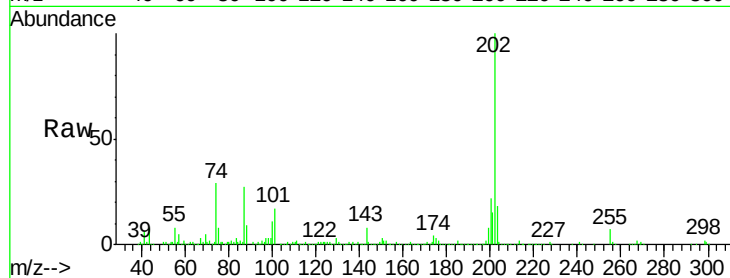
Tot Ion:202 Resp: 801668

Ion Ratio Lower Upper

202 100

101 16.6 0.0 33.1

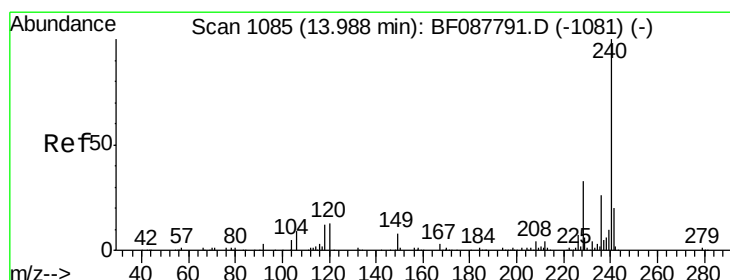
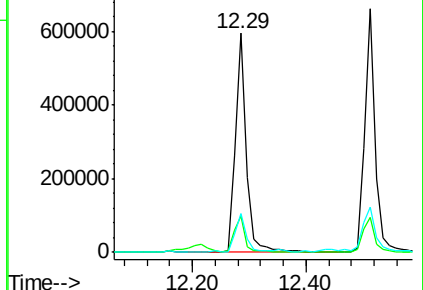
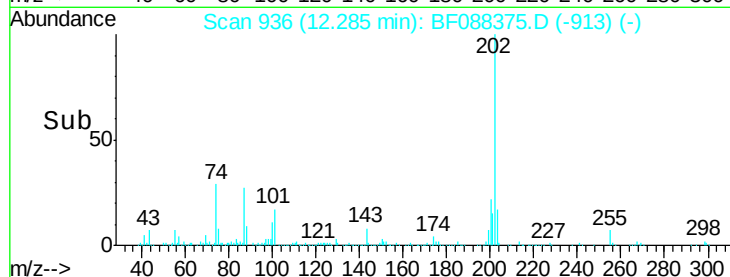
203 17.6 0.0 38.1



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: 13.70 min Scan# 1060

Delta R.T. -0.05 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

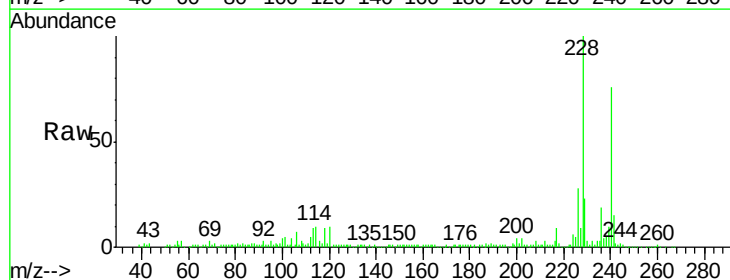
Tgt Ion:240 Resp: 151915

Ion Ratio Lower Upper

240 100

120 13.5 6.8 10.2#

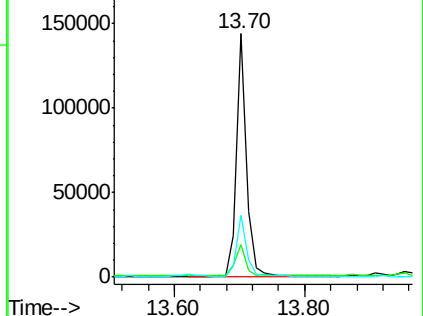
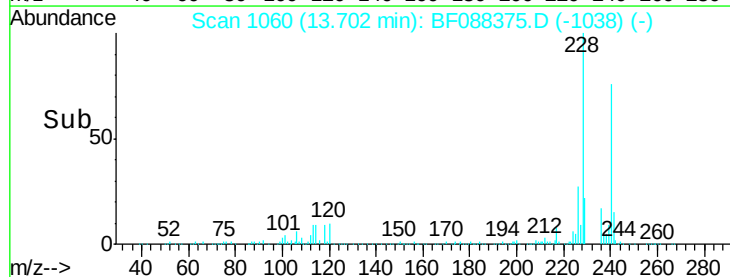
236 25.5 20.2 30.2

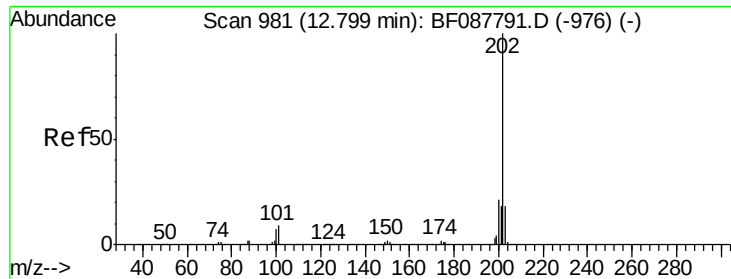


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

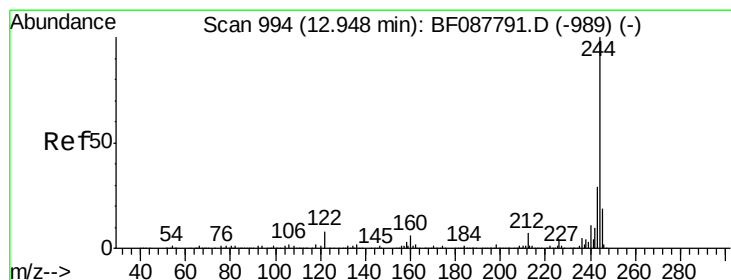
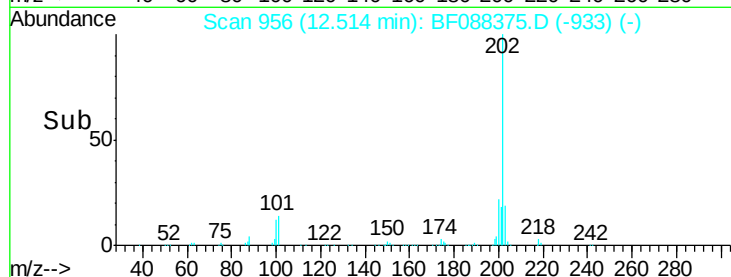
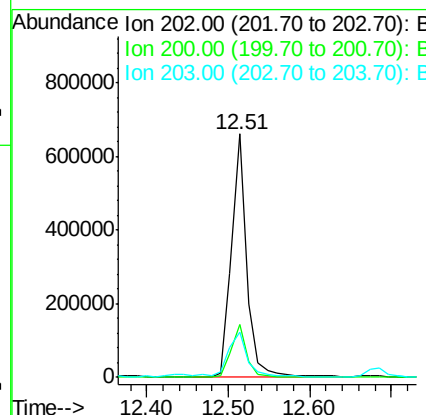
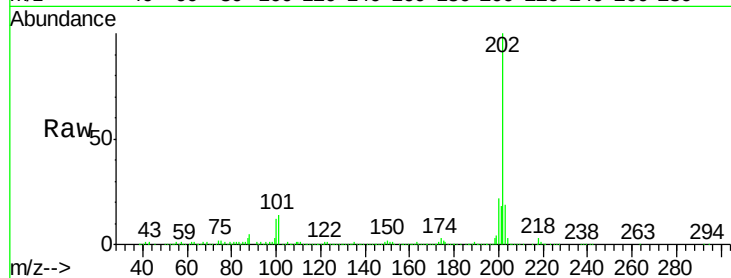




#77
Pvrene
Concen: 74.49 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.03 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

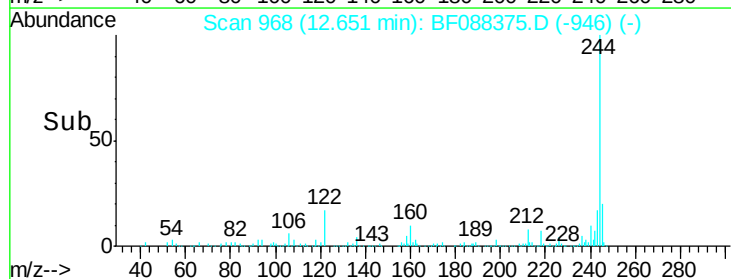
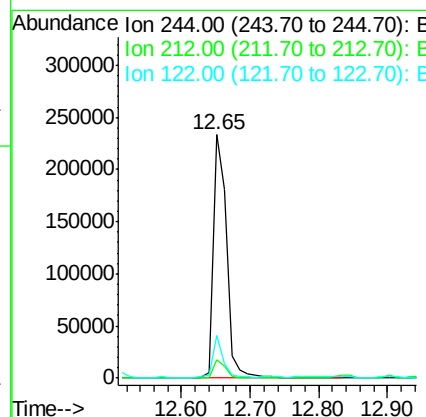
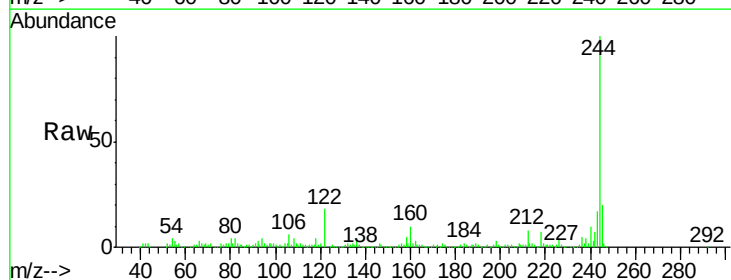
Instrument :
BNA_F
ClientSampleId :
Q8-B2(0-16)C

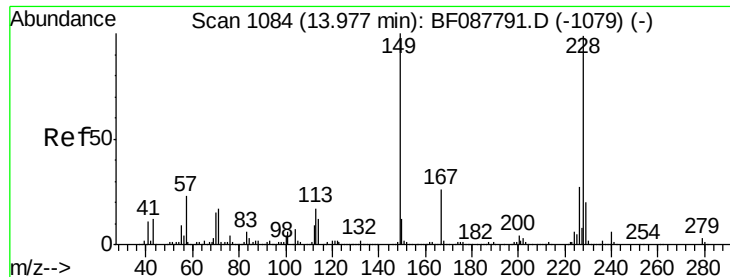
Tot Ion:202 Resp: 839707
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 18.7 14.5 21.7



#78
Terphenyl-d14
Concen: 47.56 ng
RT: 12.65 min Scan# 968
Delta R.T. -0.05 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

Tgt Ion:244 Resp: 317525
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 17.6 11.2 16.8#





#80

Benzo(a)anthracene

Concen: 63.28 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

Instrument :

BNA_F

ClientSampleId :

Q8-B2(0-16)C

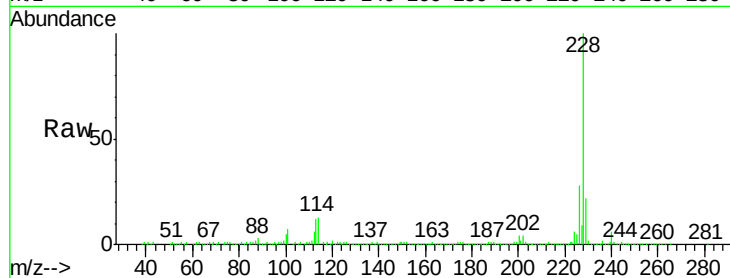
Tot Ion:228 Resp: 547851

Ion Ratio Lower Upper

228 100

226 27.6 22.3 33.5

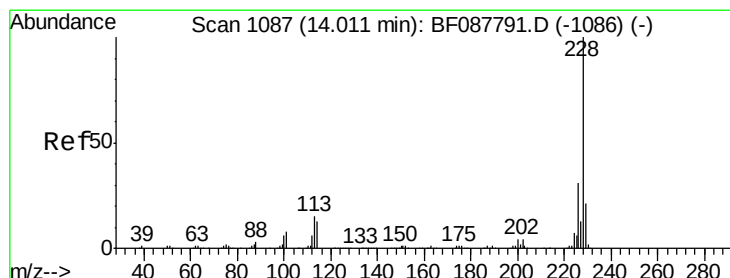
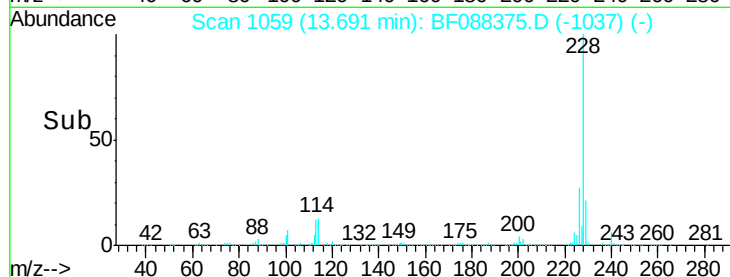
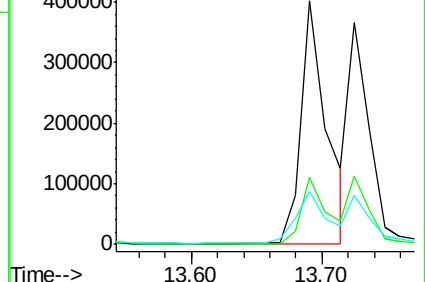
229 21.9 16.0 24.0



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: 50.77 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.05 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

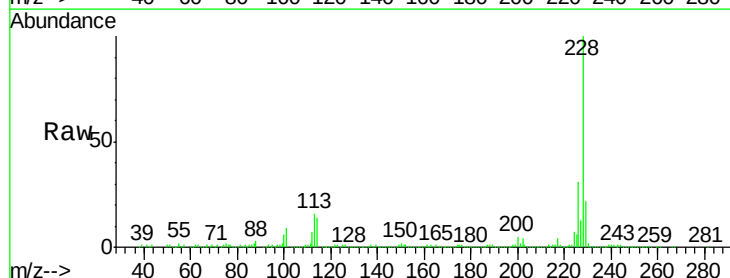
Tgt Ion:228 Resp: 413495

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.2

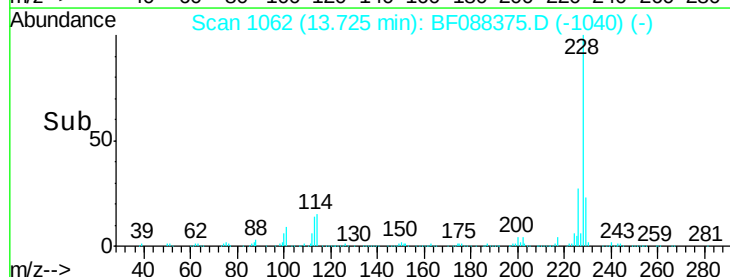
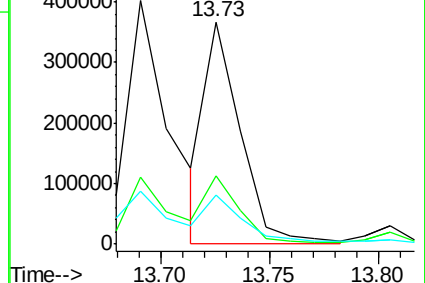
229 22.3 16.3 24.5

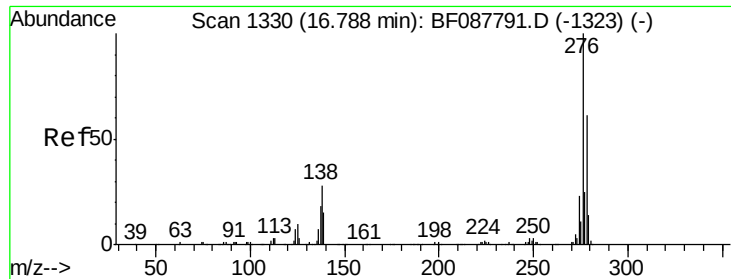


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

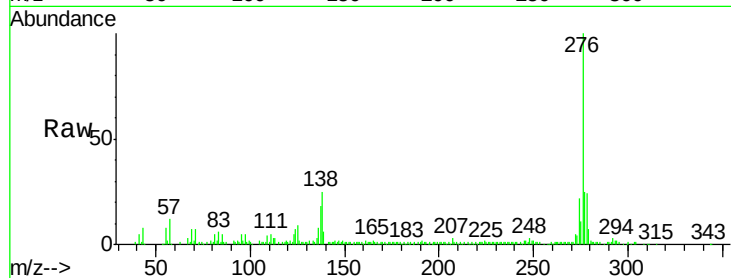




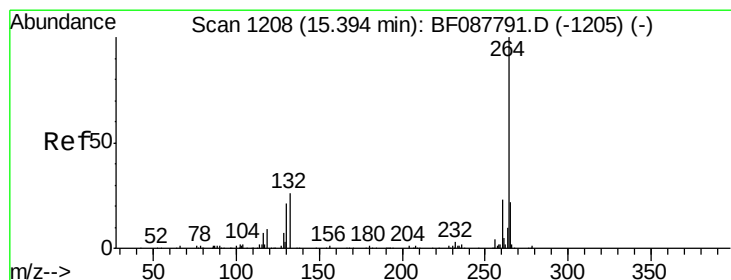
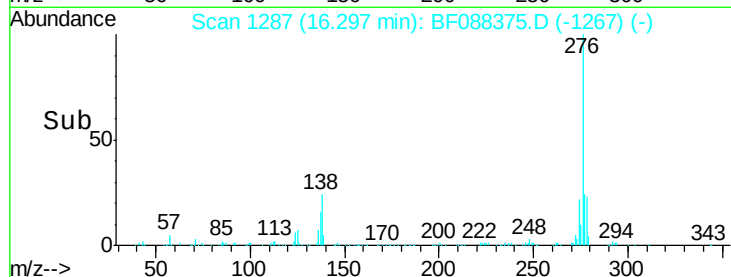
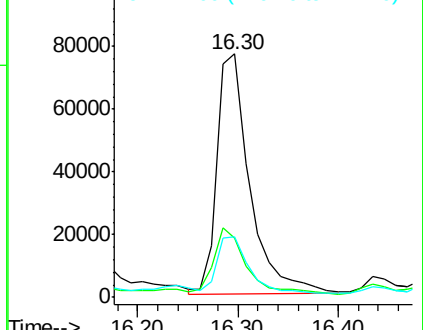
#85
Indeno(1,2,3-cd)pyrene
Concen: 23.07 ng
RT: 16.30 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

Instrument :
BNA_F
ClientSampleId :
Q8-B2(0-16)C

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	0.0	0.0#
277	23.1	0.0	0.0#

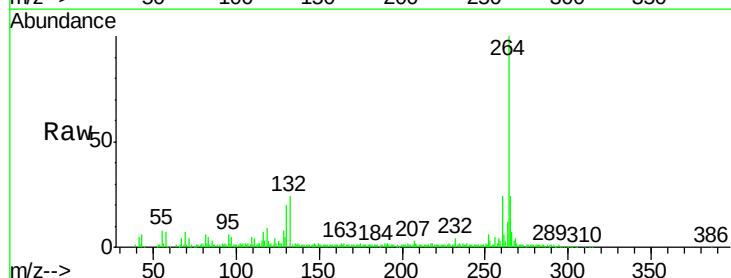


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

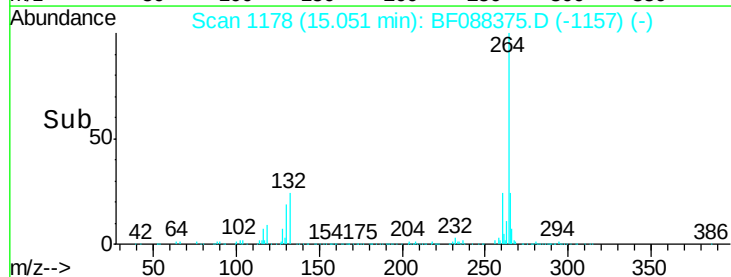
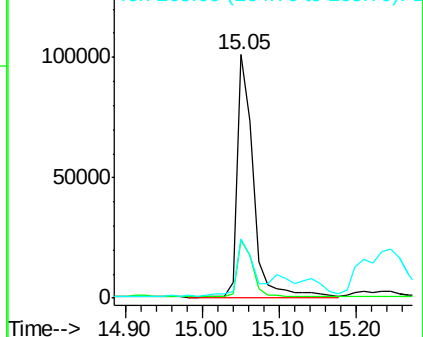


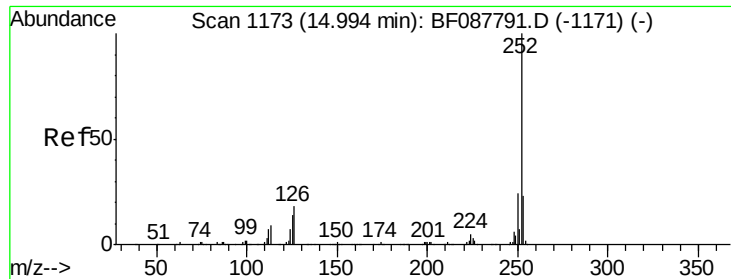
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	24.2	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

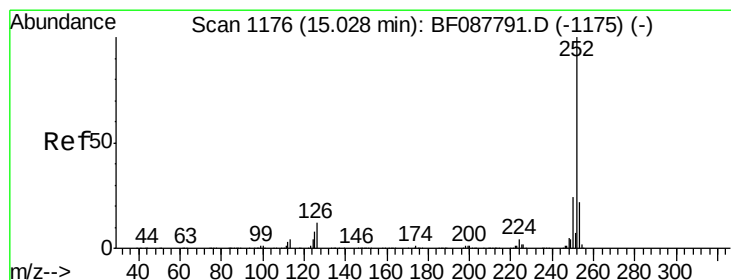
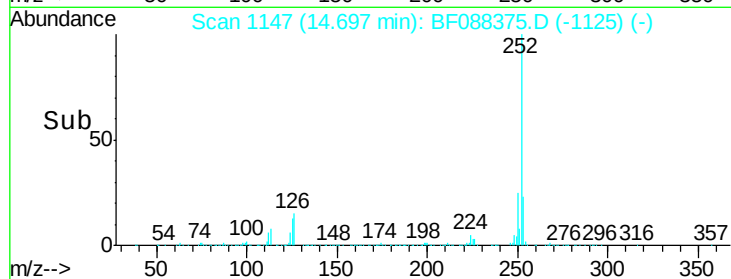
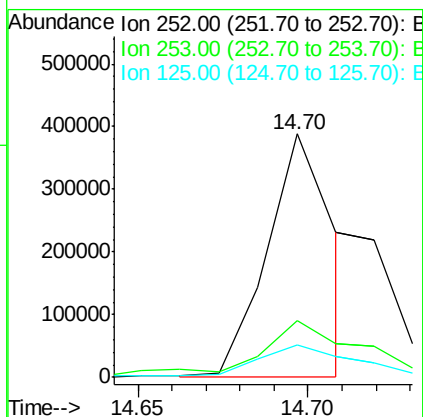
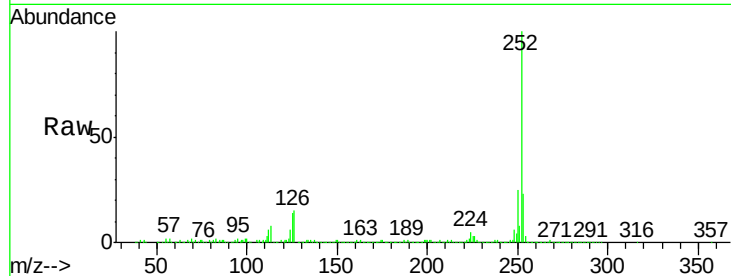




#87
Benzo(b)fluoranthene
Concen: 51.15 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

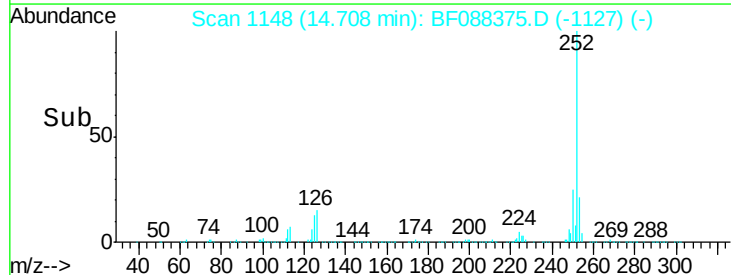
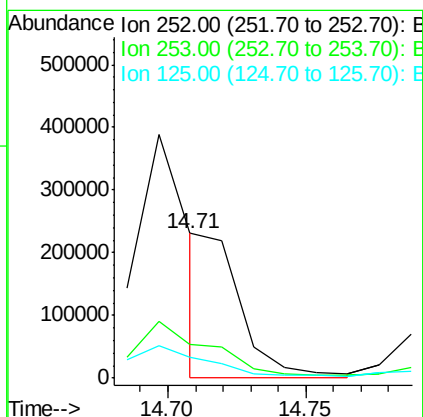
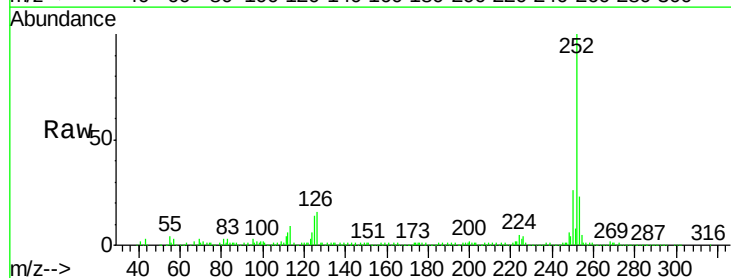
Instrument :
BNA_F
ClientSampleId :
Q8-B2(0-16)C

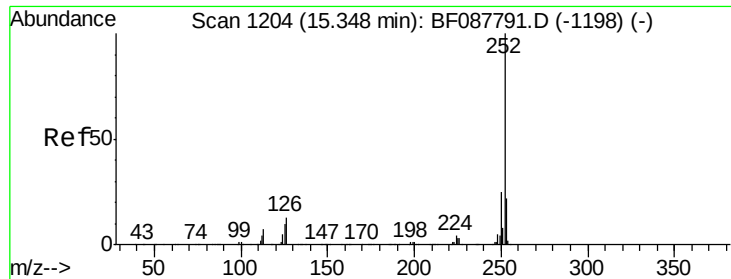
Tot Ion:252 Resp: 526838
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 13.5 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 26.72 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

Tgt Ion:252 Resp: 207579
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 14.1 11.2 16.8

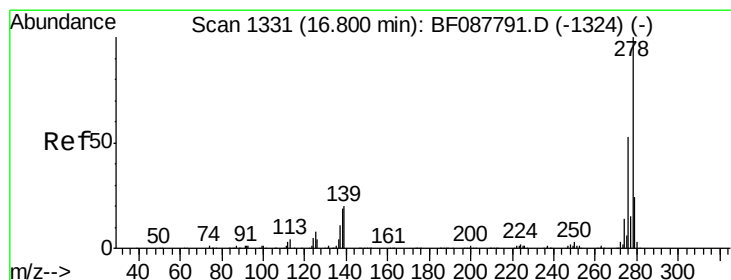
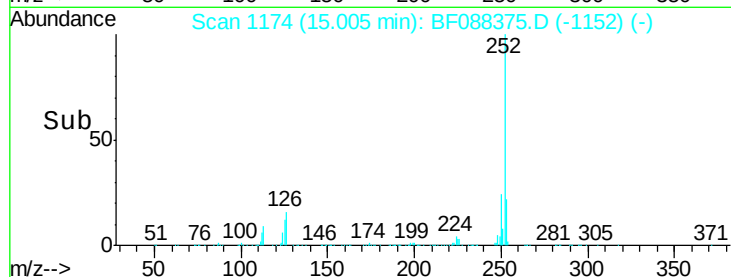
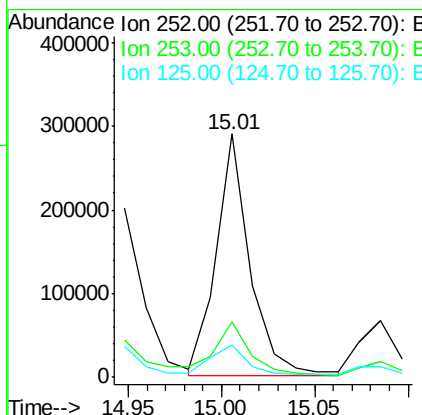
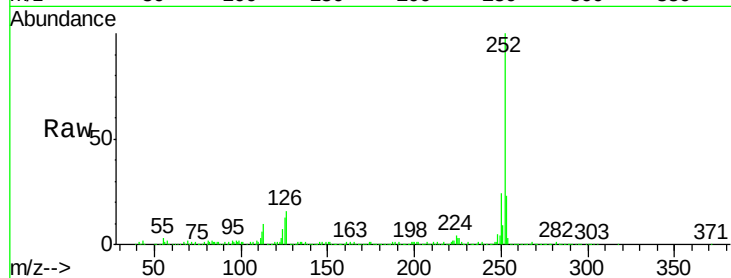




#89
Benzo(a)pyrene
Concen: 43.90 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.05 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

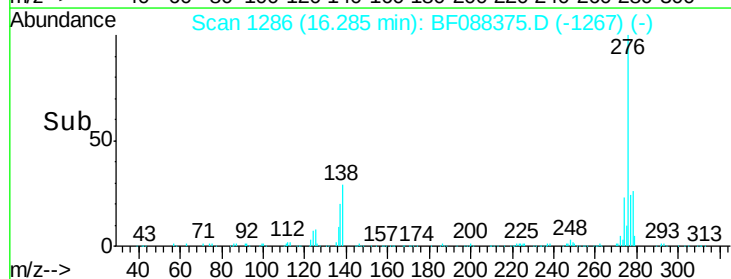
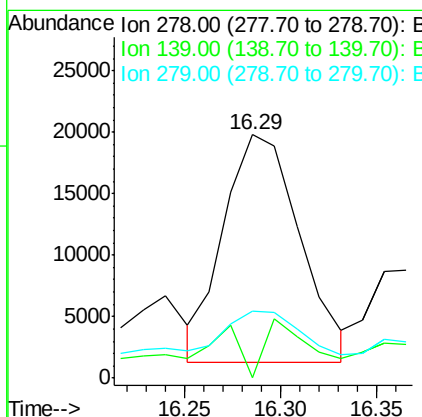
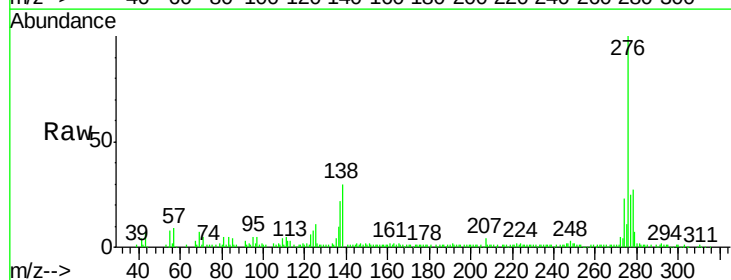
Instrument :
BNA_F
ClientSampleId :
Q8-B2(0-16)C

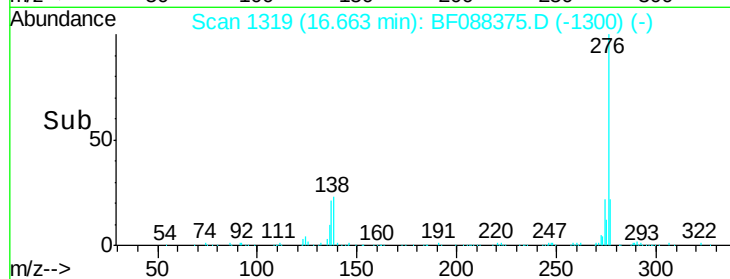
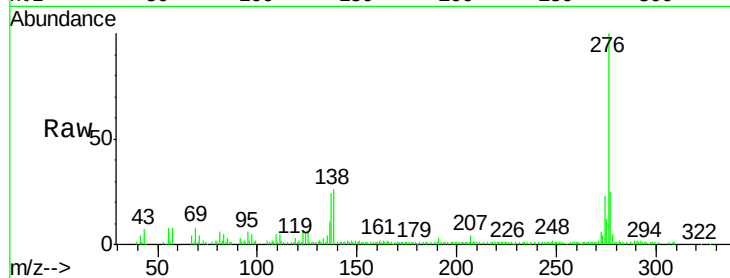
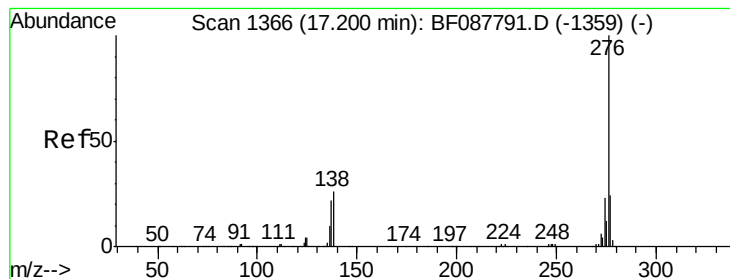
Tot Ion:252	Resp:	365820
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.9 26.9
125	13.2	12.5 18.7



#90
Dibenzo(a,h)anthracene
Concen: 6.61 ng m
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088375.D
Acq: 25 Jun 2016 14:20

Tgt Ion:278	Resp:	51178
Ion Ratio	Lower	Upper
278	100	
139	0.0	15.7 23.5#
279	27.4	19.4 29.2





#91

Benzo(a,h,i)perylene

Concen: 19.34 ng

RT: 16.66 min Scan# 1319

Delta R.T. -0.08 min

Lab File: BF088375.D

Acq: 25 Jun 2016 14:20

Instrument :

BNA_F

ClientSampleId :

Q8-B2(0-16)C

Tot Ion:276 Resp: 153965

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 26.1 21.4 32.2

