

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088372.D
 Acq On : 25 Jun 2016 12:53
 Operator : UM/SJ
 Sample : H3602-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 08-B2(0-2)C

Quant Time: Jun 26 02:32:09 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

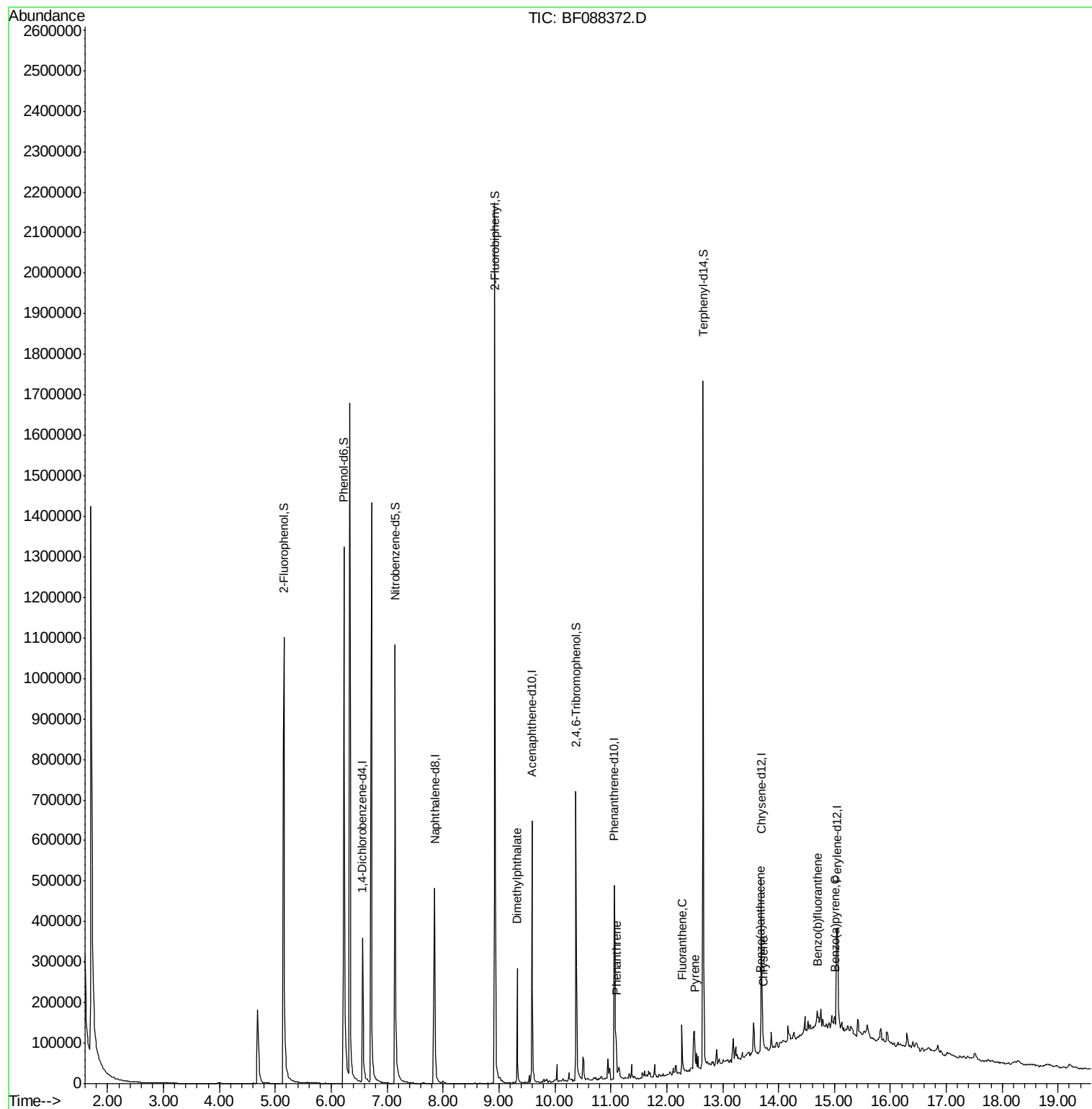
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	79878	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	317404	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	146808	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	253452	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	159826	20.00	ng	-0.06
86) Perylene-d12	15.05	264	152004	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	565593	121.05	ng	-0.02
7) Phenol-d6	6.23	99	808891	142.85	ng	-0.03
23) Nitrobenzene-d5	7.14	82	543070	99.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.38	330	104052	67.12	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	828284	88.88	ng	-0.05
78) Terphenyl-d14	12.65	244	609881	86.83	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.32	163	124481	11.71	ng	99
70) Phenanthrene	11.10	178	49421	3.72	ng	99
74) Fluoranthene	12.27	202	58160	4.14	ng	97
77) Pyrene	12.50	202	47632	4.02	ng	99
80) Benzo(a)anthracene	13.68	228	22067	2.42	ng	# 96
82) Chrysene	13.73	228	18322m	2.14	ng	
87) Benzo(b)fluoranthene	14.70	252	24761m	2.34	ng	
89) Benzo(a)pyrene	15.01	252	17350	2.02	ng	# 89

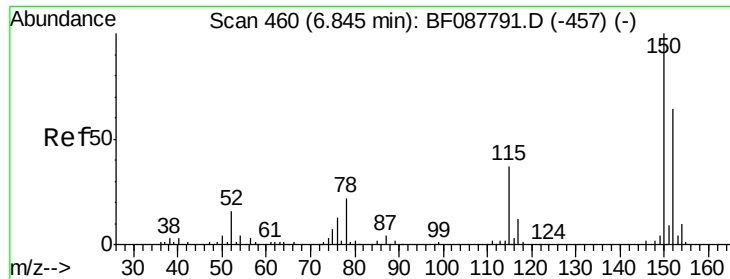
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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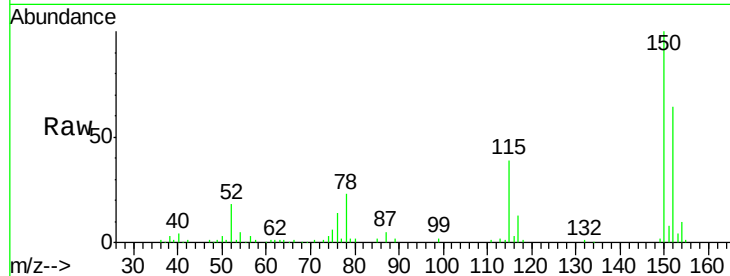


#1

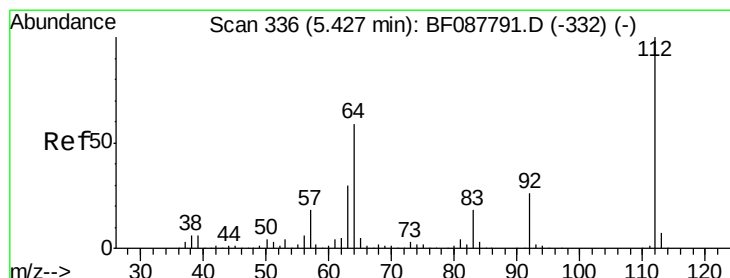
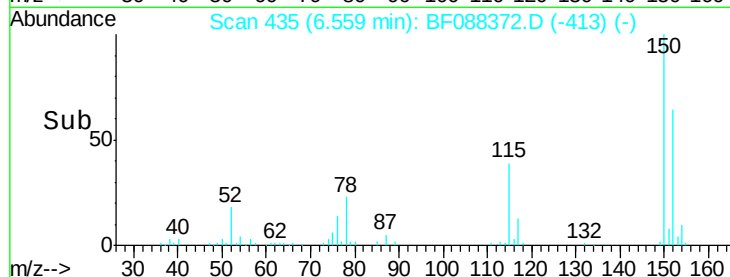
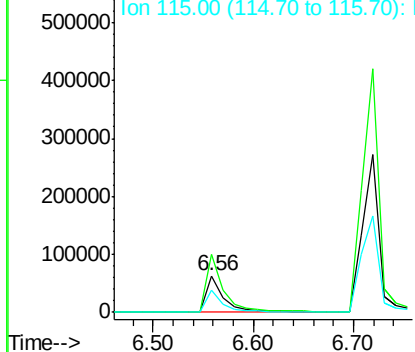
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Instrument :
BNA_F
ClientSampleId :
08-B2(0-2)C

Tot Ion:152 Resp: 79878
Ion Ratio Lower Upper
152 100
150 157.2 123.8 185.6
115 61.9 39.6 59.4#



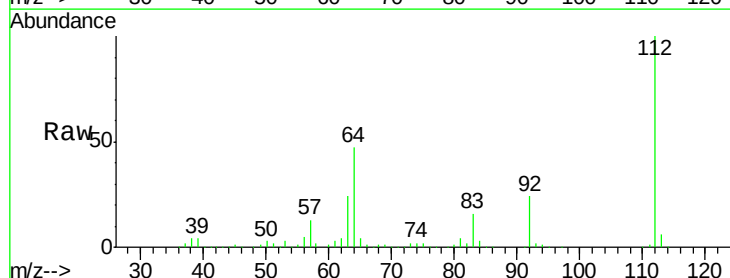
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



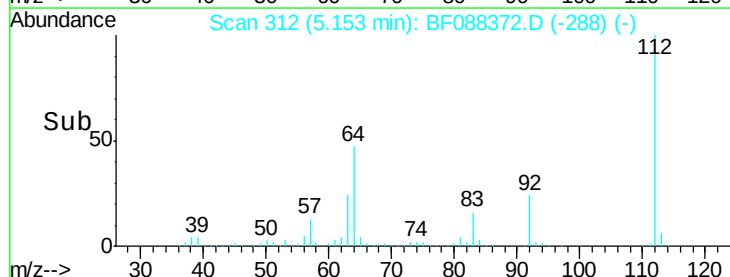
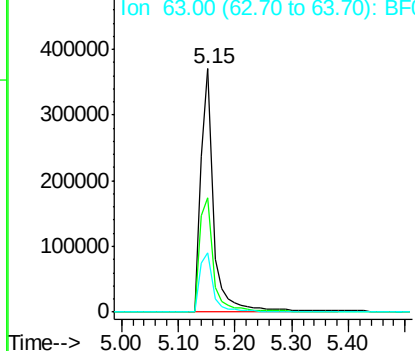
#5

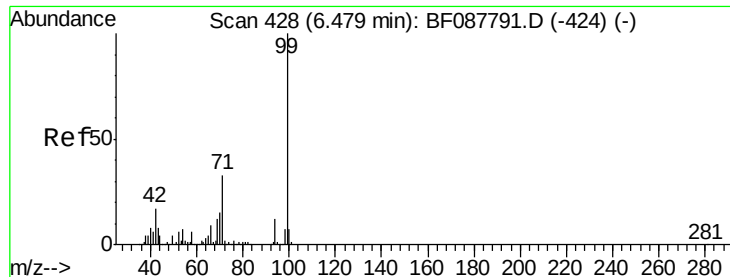
2-Fluorophenol
Concen: 121.05 ng
RT: 5.15 min Scan# 312
Delta R.T. -0.02 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Tgt Ion:112 Resp: 565593
Ion Ratio Lower Upper
112 100
64 46.8 42.2 63.2
63 24.2 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: 142.85 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

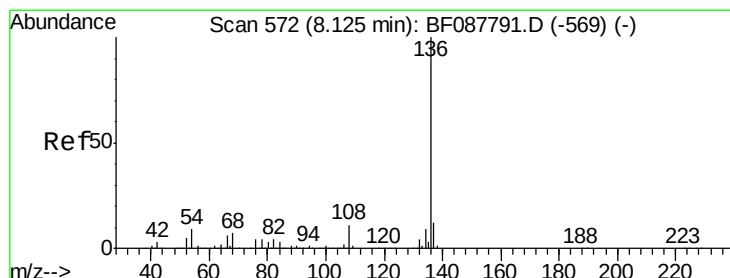
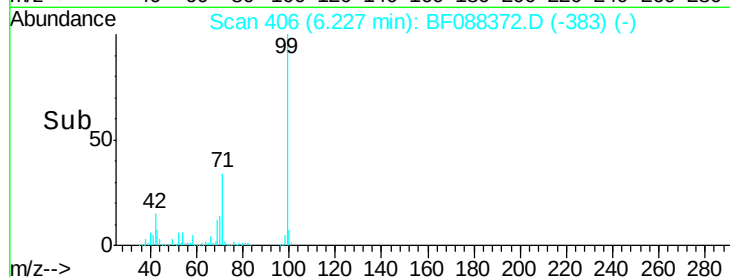
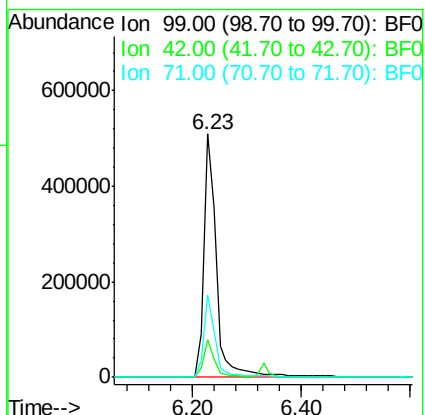
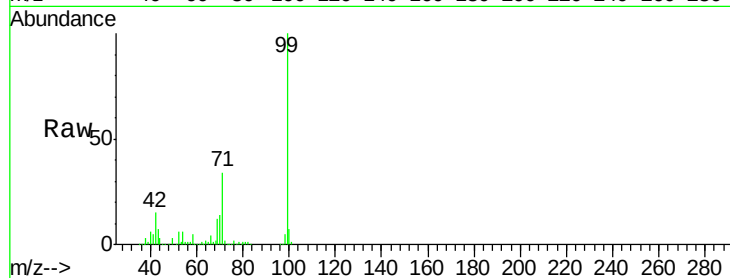
Tot Ion: 99 Resp: 808891

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: BF088372.D

Acq: 25 Jun 2016 12:53

Tgt Ion: 136 Resp: 317404

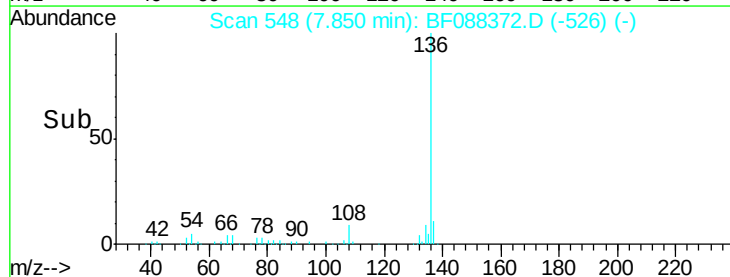
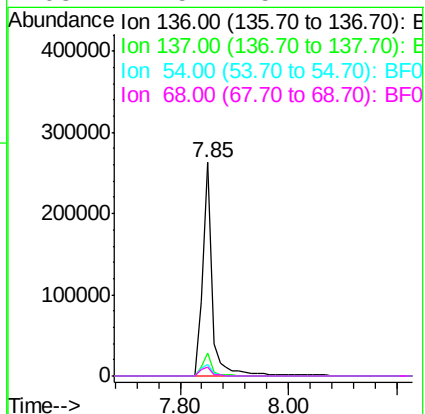
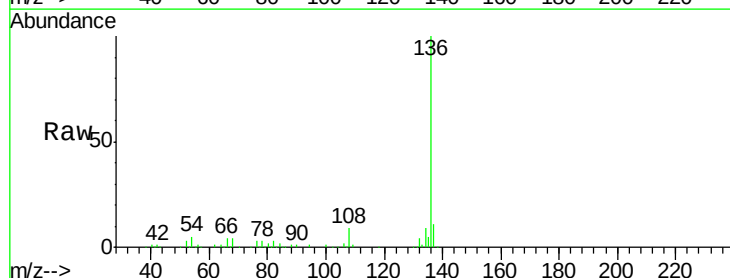
Ion Ratio Lower Upper

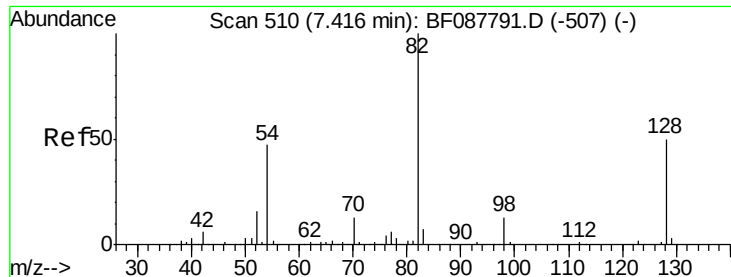
136 100

137 10.7 9.1 13.7

54 5.3 6.6 10.0#

68 4.5 5.1 7.7#

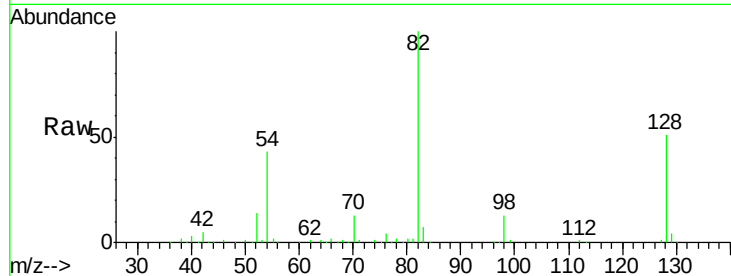




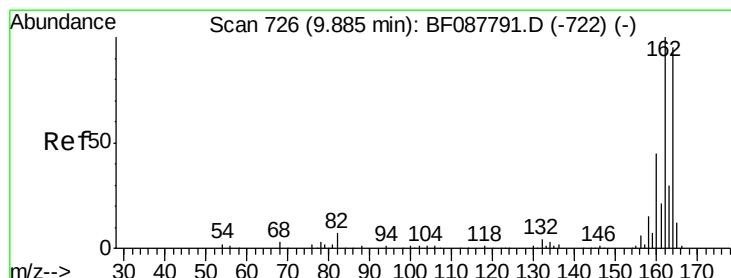
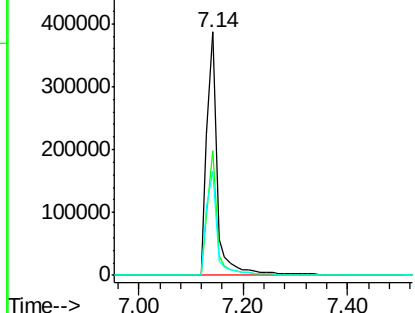
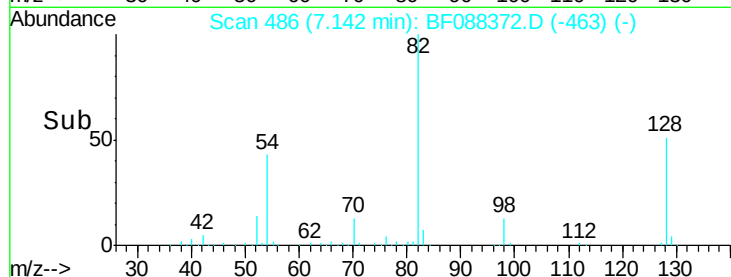
#23
 Nitrobenzene-d5
 Concen: 99.91 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF088372.D
 Acq: 25 Jun 2016 12:53

Instrument :
 BNA_F
 ClientSampleId :
 08-B2(0-2)C

Tot Ion: 82 Resp: 543070
 Ion Ratio Lower Upper
 82 100
 128 51.0 35.9 53.9
 54 42.6 40.9 61.3

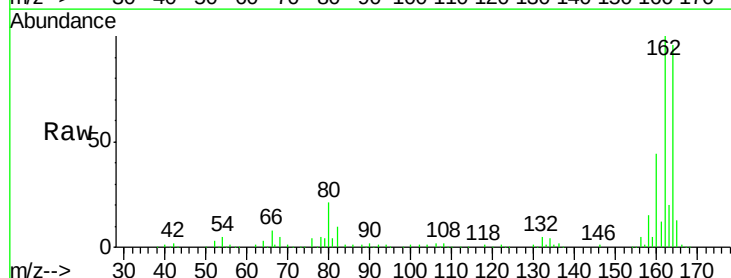


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

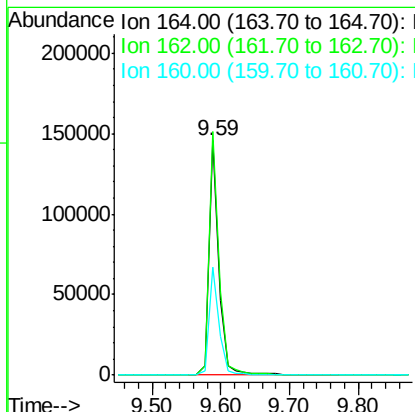
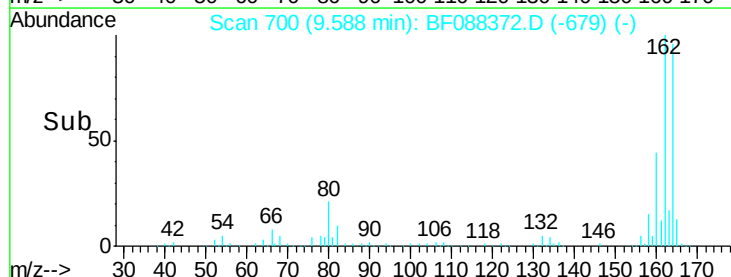


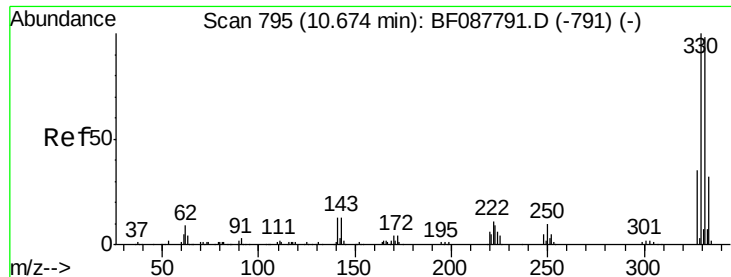
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088372.D
 Acq: 25 Jun 2016 12:53

Tgt Ion:164 Resp: 146808
 Ion Ratio Lower Upper
 164 100
 162 104.0 85.4 128.2
 160 46.0 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

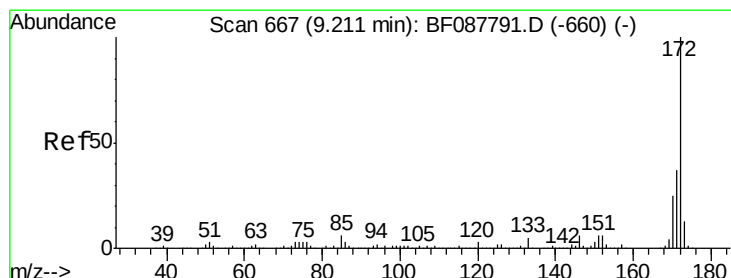
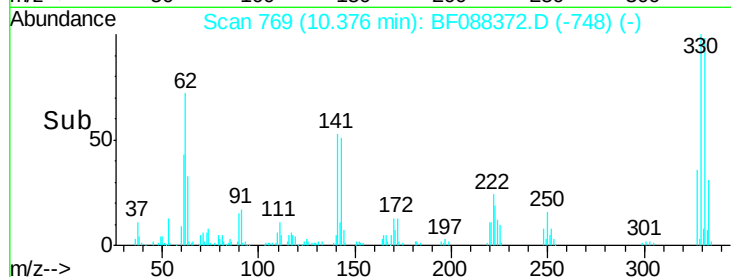
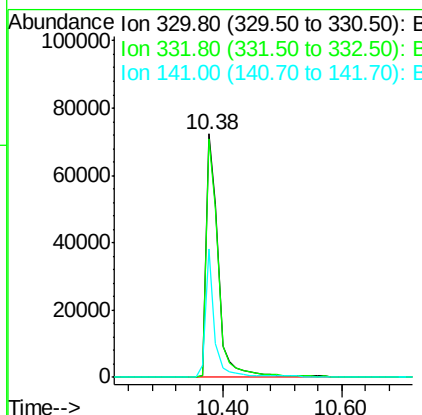
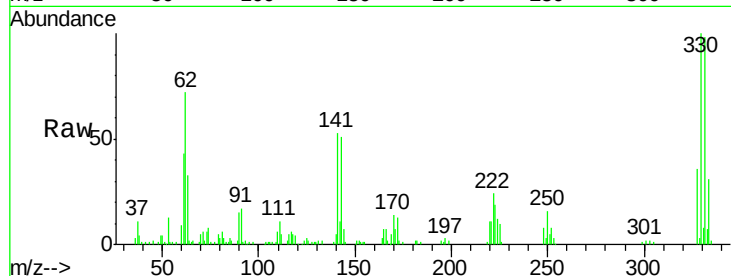




#41
 2,4,6-Tribromophenol
 Concen: 67.12 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: BF088372.D
 Acq: 25 Jun 2016 12:53

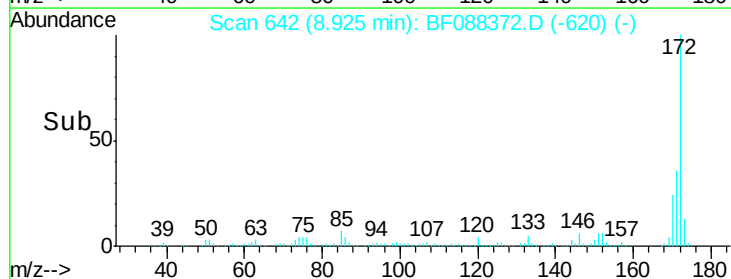
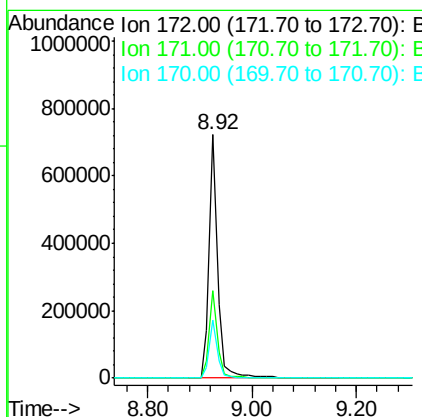
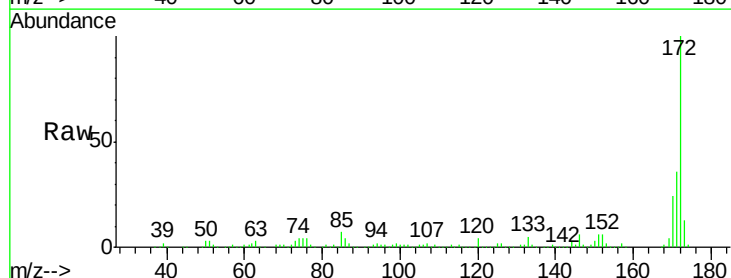
Instrument :
 BNA_F
 ClientSampleId :
 08-B2(0-2)C

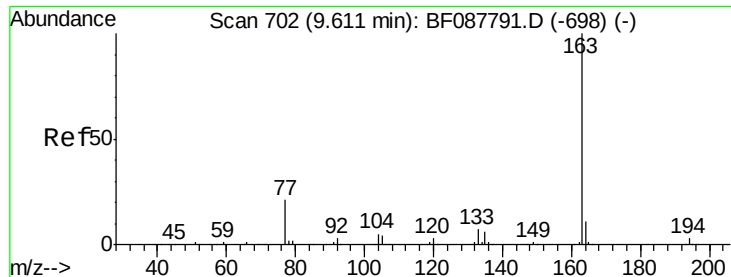
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	0.0	0.0#
141	39.8	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 88.88 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088372.D
 Acq: 25 Jun 2016 12:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.9	19.2	28.8





#49

Dimethylphthalate

Concen: 11.71 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

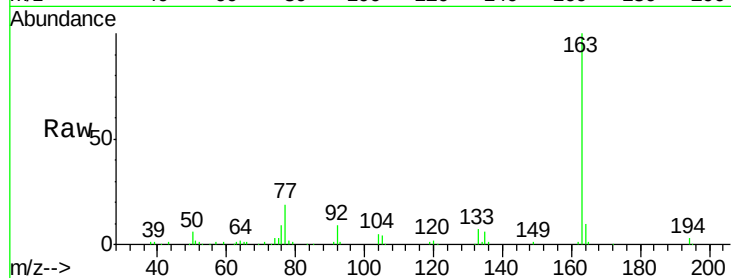
Tot Ion:163 Resp: 124481

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

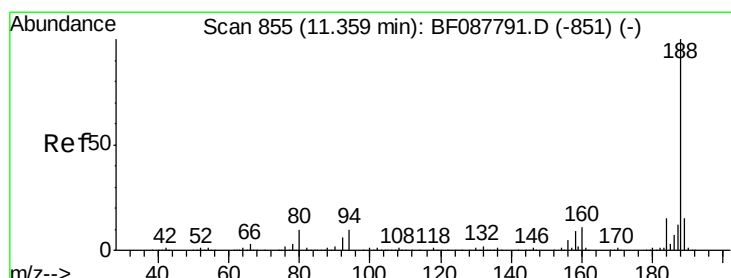
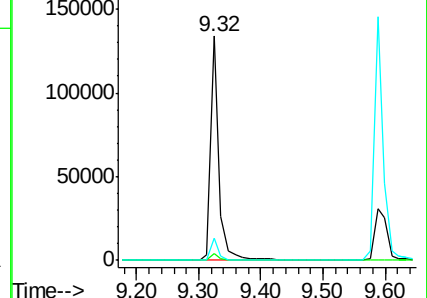
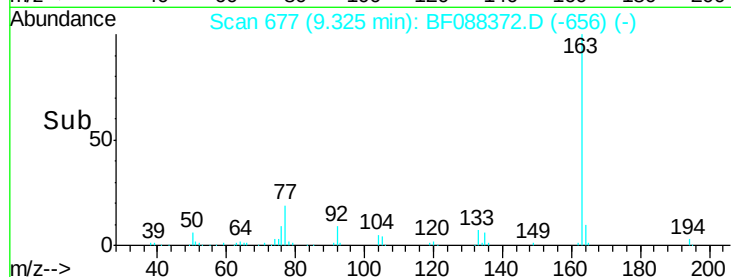
164 10.2 8.3 12.5



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: 11.06 min Scan# 829

Delta R.T. -0.06 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

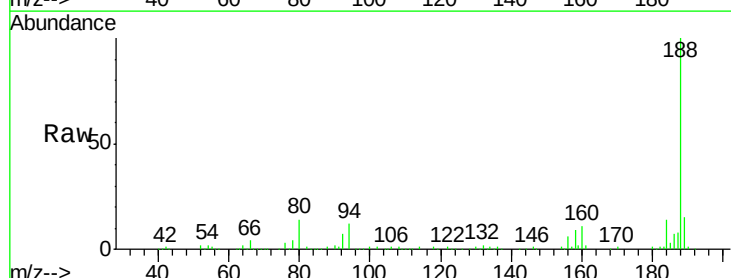
Tgt Ion:188 Resp: 253452

Ion Ratio Lower Upper

188 100

94 12.5 9.0 13.6

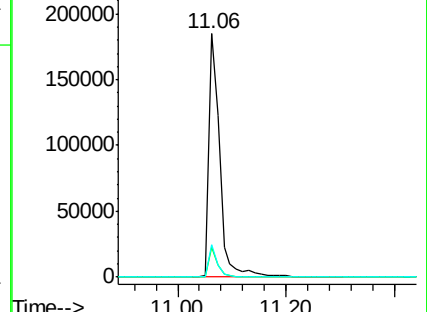
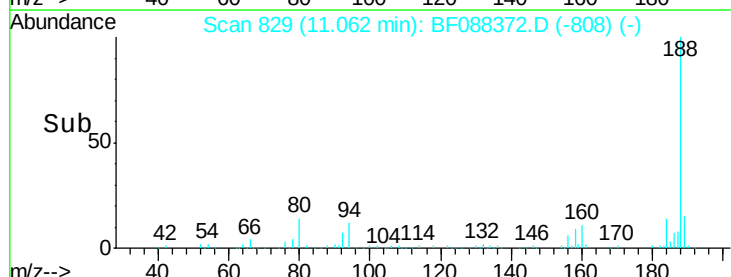
80 13.5 10.0 15.0

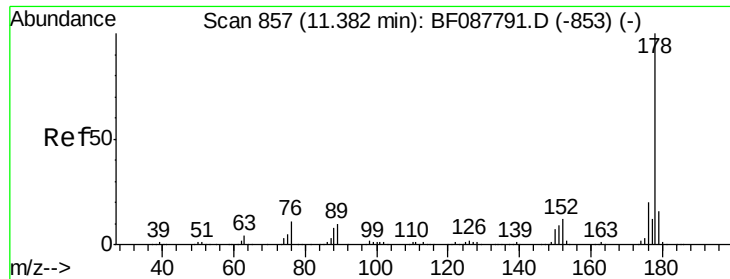


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

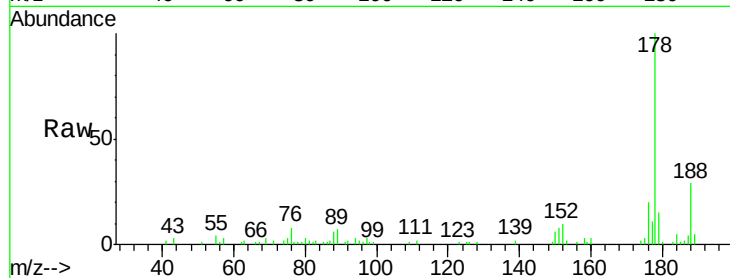




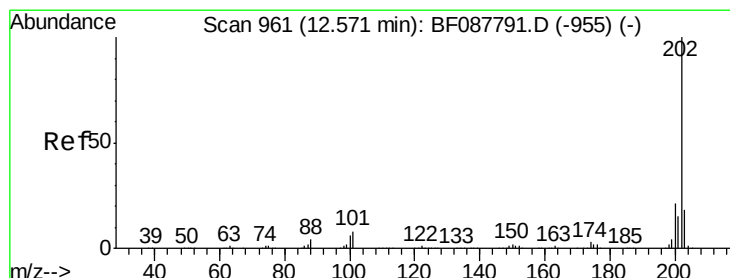
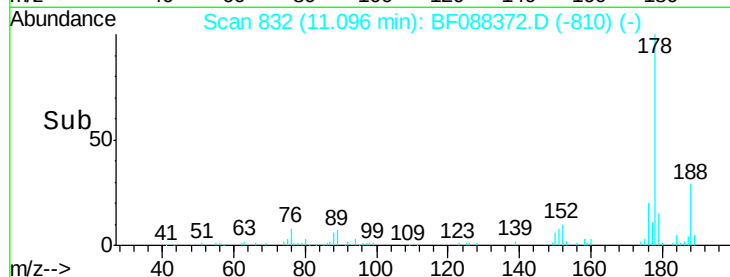
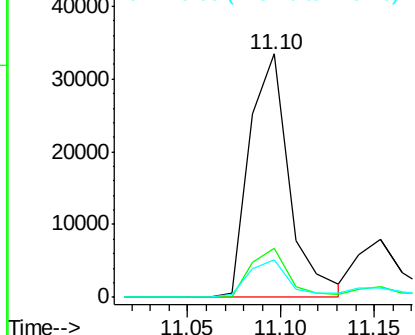
#70
Phenanthrene
Concen: 3.72 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.05 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Instrument :
BNA_F
ClientSampleId :
08-B2(0-2)C

Tot Ion:178 Resp: 49421
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 15.4 13.0 19.4

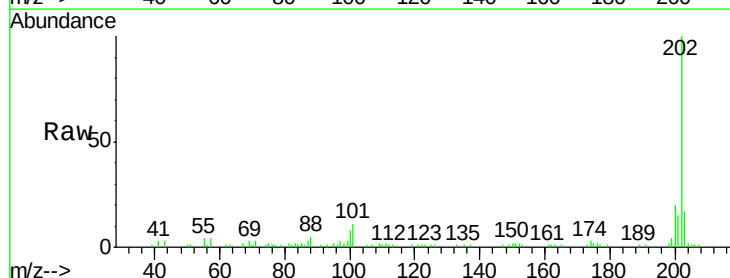


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

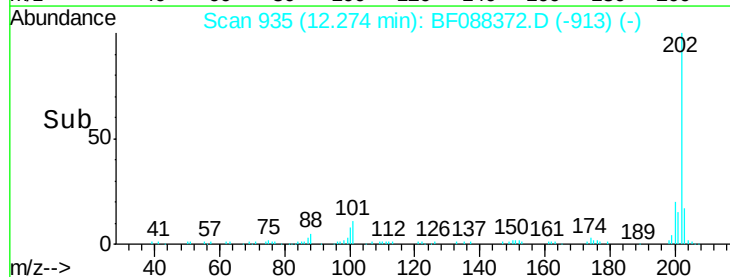
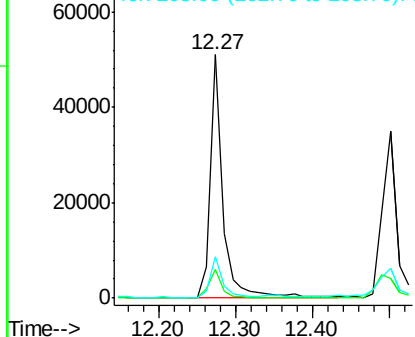


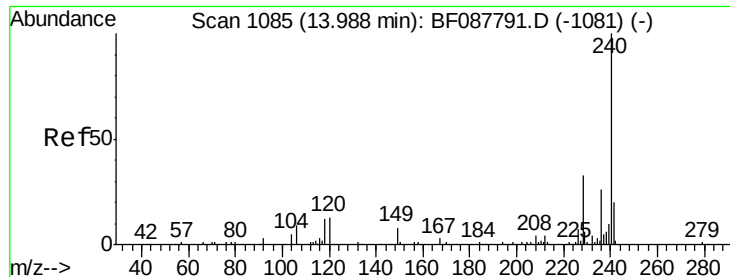
#74
Fluoranthene
Concen: 4.14 ng
RT: 12.27 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Tgt Ion:202 Resp: 58160
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.1
203 17.2 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: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

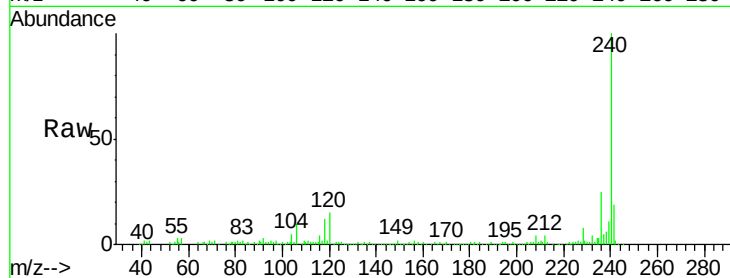
Tot Ion:240 Resp: 159826

Ion Ratio Lower Upper

240 100

120 14.6 6.8 10.2#

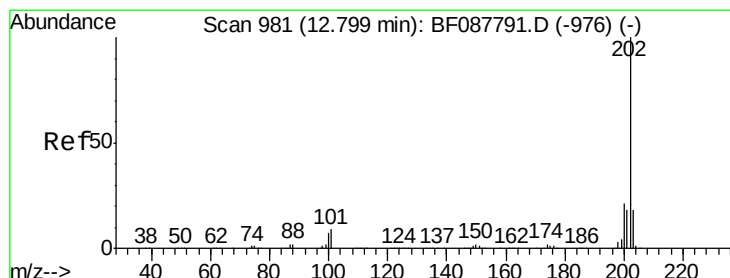
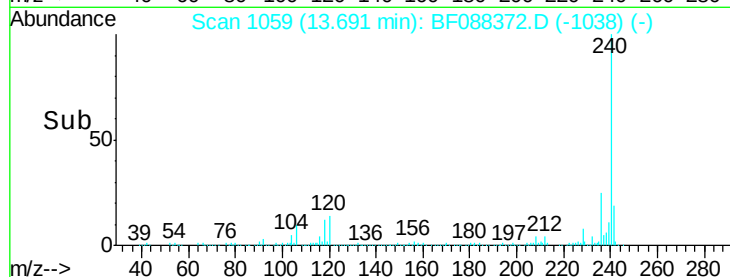
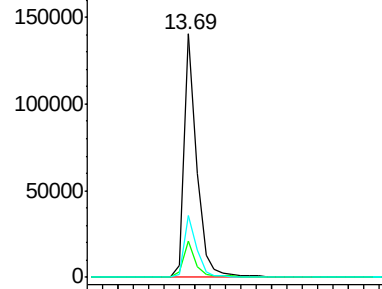
236 25.3 20.2 30.2



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: 4.02 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

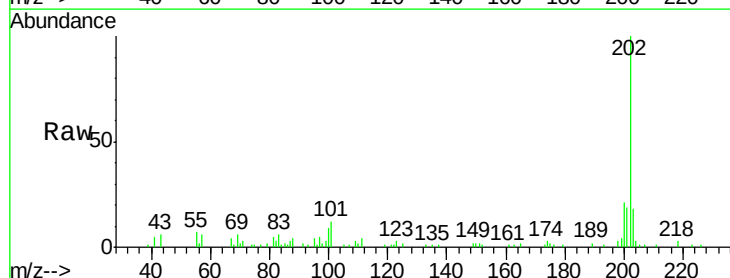
Tgt Ion:202 Resp: 47632

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

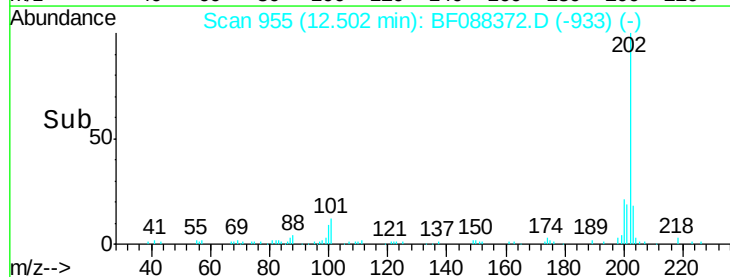
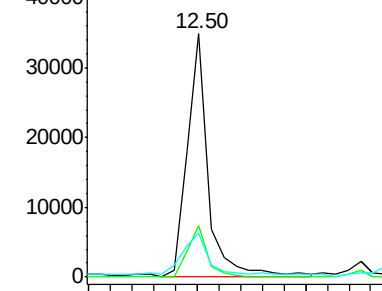
203 18.1 14.5 21.7

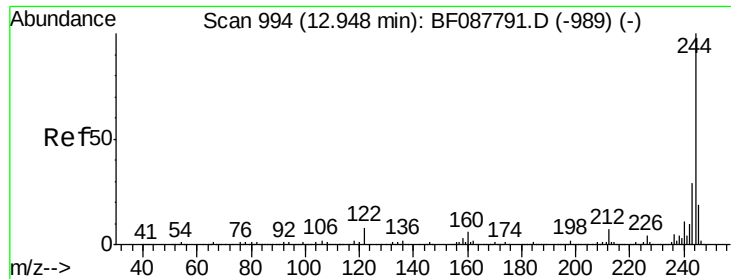


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

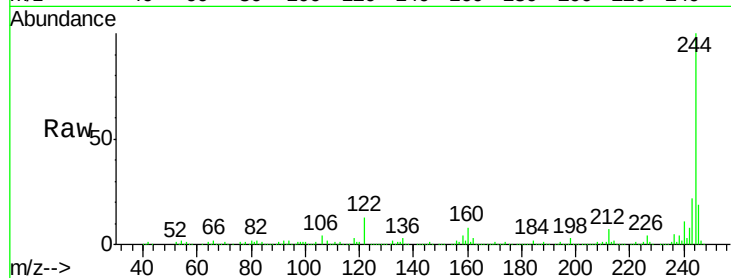




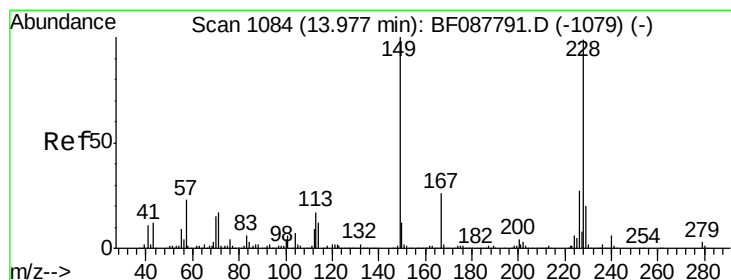
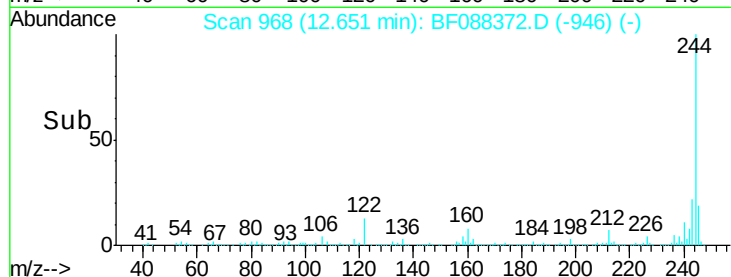
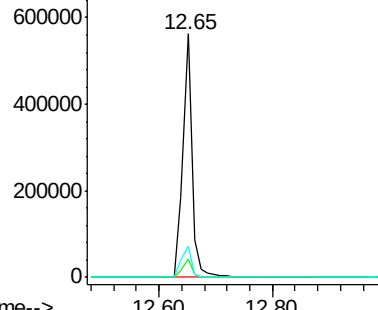
#78
 Terphenyl-d14
 Concen: 86.83 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.05 min
 Lab File: BF088372.D
 Acq: 25 Jun 2016 12:53

Instrument :
 BNA_F
 ClientSampleId :
 08-B2(0-2)C

Tot Ion:244 Resp: 609881
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 12.6 11.2 16.8

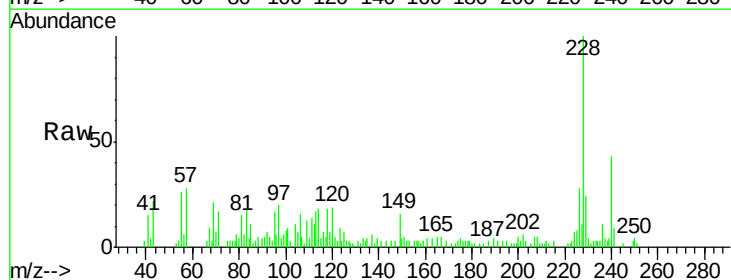


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

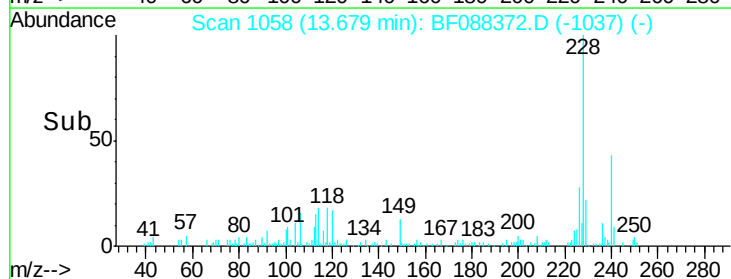
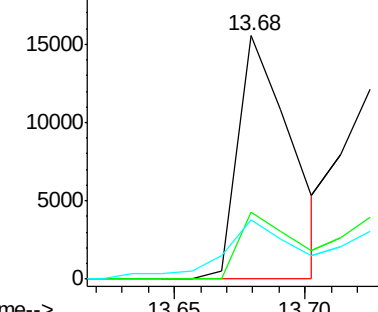


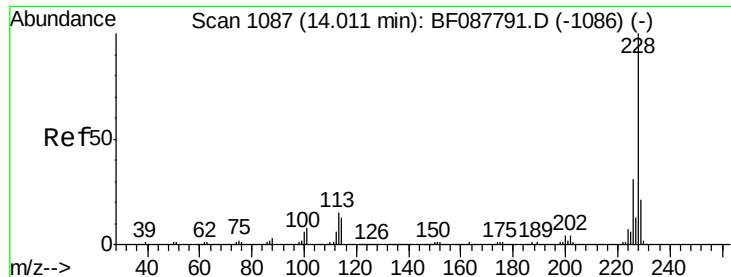
#80
 Benzo(a)anthracene
 Concen: 2.42 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF088372.D
 Acq: 25 Jun 2016 12:53

Tgt Ion:228 Resp: 22067
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.3 33.5
 229 24.4 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

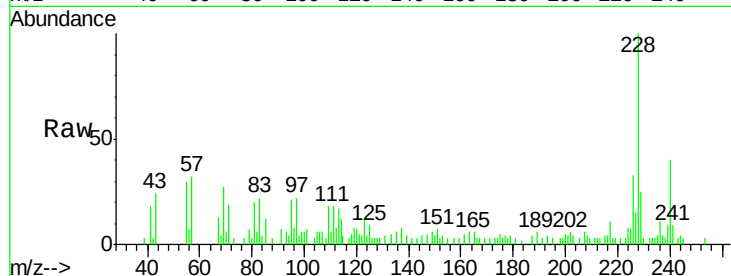




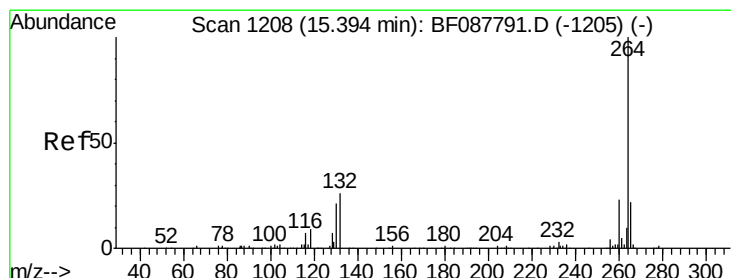
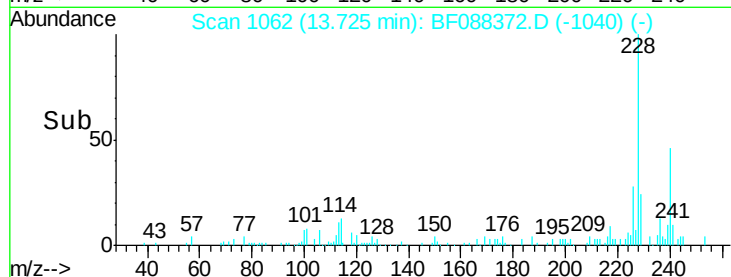
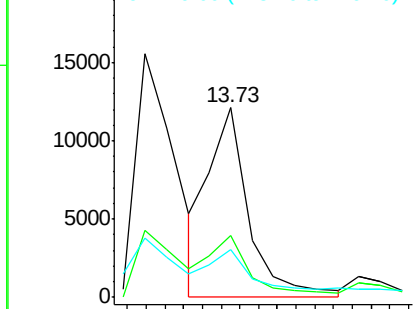
#82
Chrysene
Concen: 2.14 ng/mL
RT: 13.73 min Scan# 1062
Delta R.T. -0.05 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Instrument :
BNA_F
ClientSampleId :
08-B2(0-2)C

Tot Ion: 228 Resp: 18322
Ion Ratio Lower Upper
228 100
226 32.8 25.4 38.2
229 25.3 16.3 24.5#

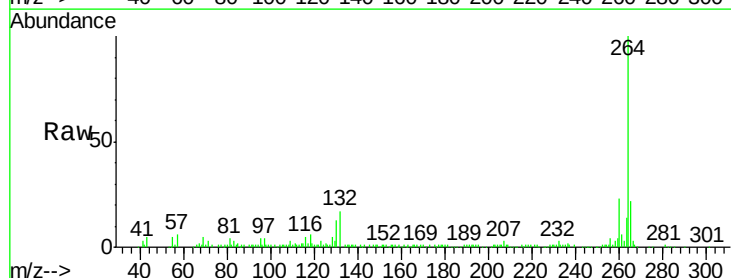


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

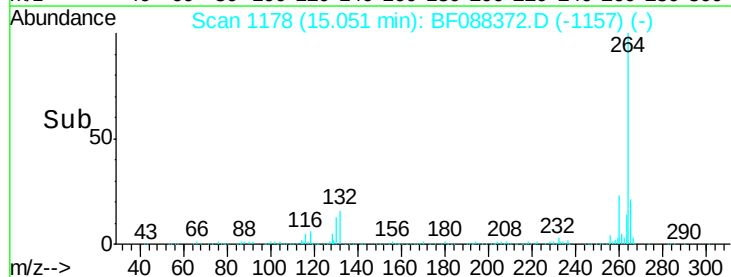
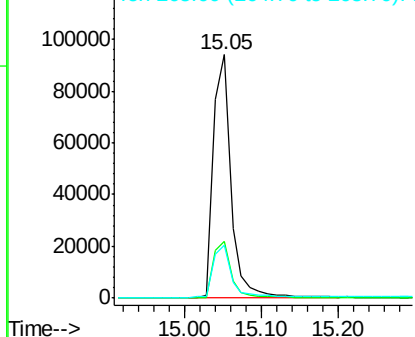


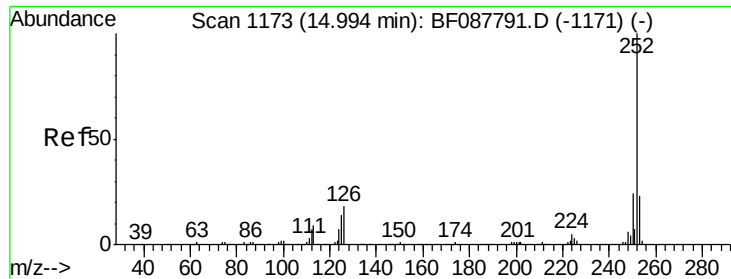
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Tgt Ion: 264 Resp: 152004
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.7 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: 2.34 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.05 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

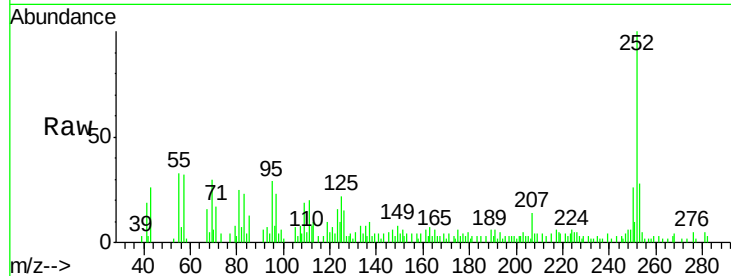
Tot Ion:252 Resp: 24761

Ion Ratio Lower Upper

252 100

253 28.4 17.4 26.2#

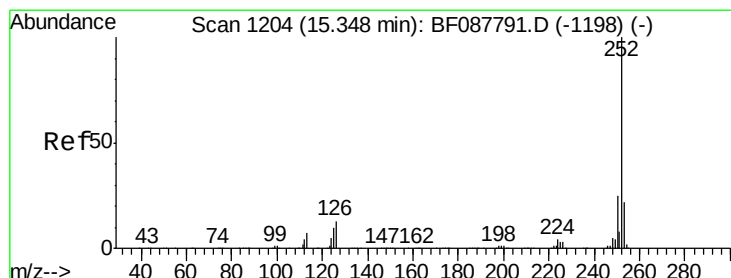
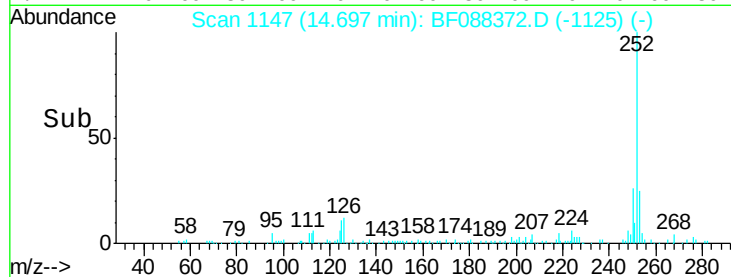
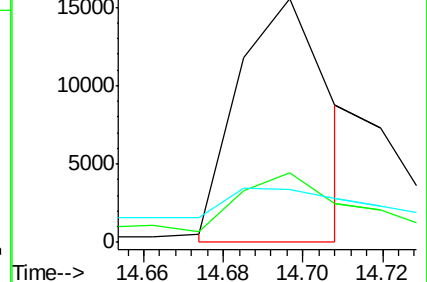
125 21.7 7.1 10.7#



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



#89

Benzo(a)pyrene

Concen: 2.02 ng

RT: 15.01 min Scan# 1174

Delta R.T. -0.05 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

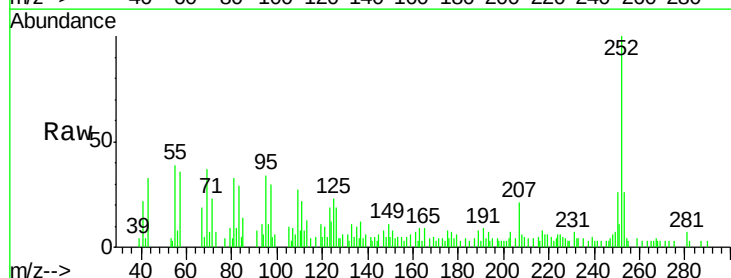
Tgt Ion:252 Resp: 17350

Ion Ratio Lower Upper

252 100

253 25.7 17.9 26.9

125 22.7 12.5 18.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

