

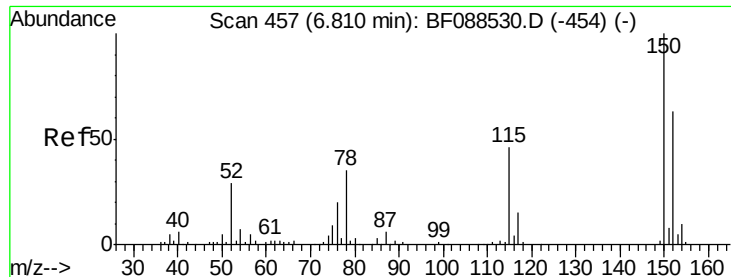
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071716\
 Data File : BF089072.D
 Acq On : 17 Jul 2016 12:12
 Operator : UM/SJ
 Sample : H4045-15
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M9-B2(8-16)C

Quant Time: Jul 18 03:27:29 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	51068	20.00	ng	-0.06
21) Naphthalene-d8	7.94	136	227765	20.00	ng	-0.06
38) Acenaphthene-d10	9.69	164	107121	20.00	ng	-0.06
63) Phenanthrene-d10	11.16	188	193785	20.00	ng	-0.06
75) Chrysene-d12	13.78	240	127882	20.00	ng	-0.07
86) Perylene-d12	15.15	264	106081	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	441380	129.53	ng	-0.03
7) Phenol-d6	6.32	99	647377	147.03	ng	-0.03
23) Nitrobenzene-d5	7.22	82	334559	76.98	ng	-0.06
41) 2,4,6-Tribromophenol	10.48	330	112921	113.52	ng	-0.06
44) 2-Fluorobiphenyl	9.02	172	532788	78.56	ng	-0.06
78) Terphenyl-d14	12.75	244	451235	78.59	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.42	163	140904	18.46	ng	100
70) Phenanthrene	11.19	178	32043	3.02	ng	100
74) Fluoranthene	12.37	202	65768	6.12	ng	97
77) Pyrene	12.59	202	64707	5.97	ng	99
80) Benzo(a)anthracene	13.78	228	32849	3.99	ng	92
82) Chrysene	13.81	228	24444m	3.00	ng	
84) Di-n-octyl phthalate	14.40	149	248983	26.54	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.41	276	13128	2.09	ng	# 100
87) Benzo(b)fluoranthene	14.78	252	25773m	3.87	ng	
89) Benzo(a)pyrene	15.09	252	22398	3.98	ng	# 91
91) Benzo(g,h,i)perylene	16.78	276	12309	2.53	ng	94

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

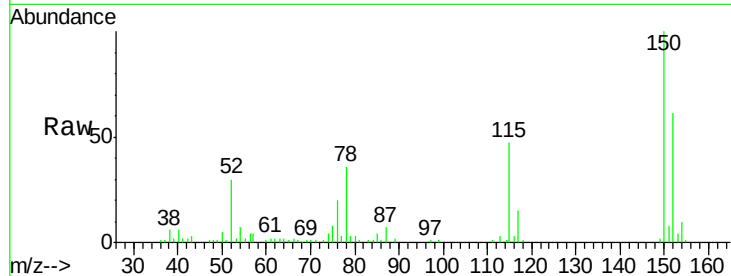


#1

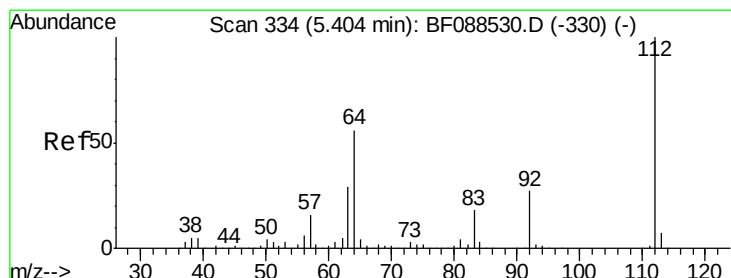
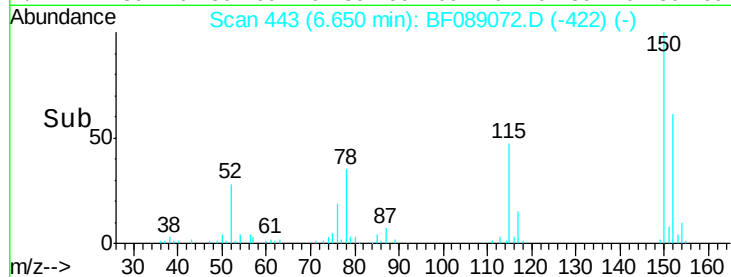
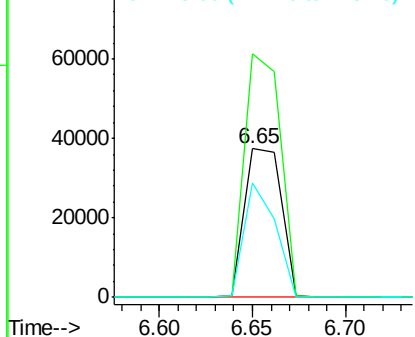
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF089072.D
Acq: 17 Jul 2016 12:12

Instrument :
BNA_F
ClientSampleId :
M9-B2(8-16)C

Tot Ion:152 Resp: 51068
Ion Ratio Lower Upper
152 100
150 163.7 123.8 185.6
115 77.1 39.6 59.4#



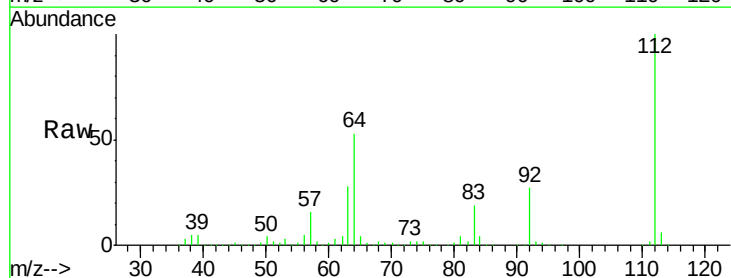
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



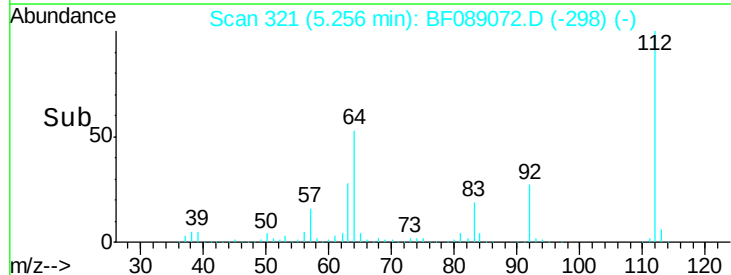
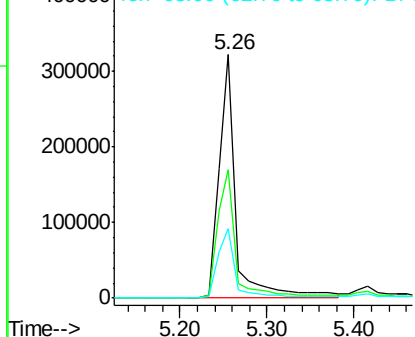
#5

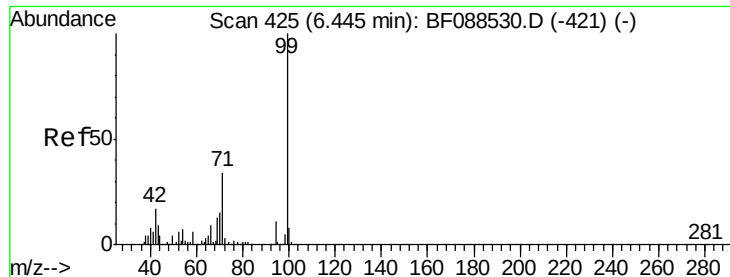
2-Fluorophenol
Concen: 129.53 ng
RT: 5.26 min Scan# 321
Delta R.T. -0.03 min
Lab File: BF089072.D
Acq: 17 Jul 2016 12:12

Tgt Ion:112 Resp: 441380
Ion Ratio Lower Upper
112 100
64 52.7 42.2 63.2
63 28.4 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: 147.03 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

Instrument :

BNA_F

ClientSampleId :

M9-B2(8-16)C

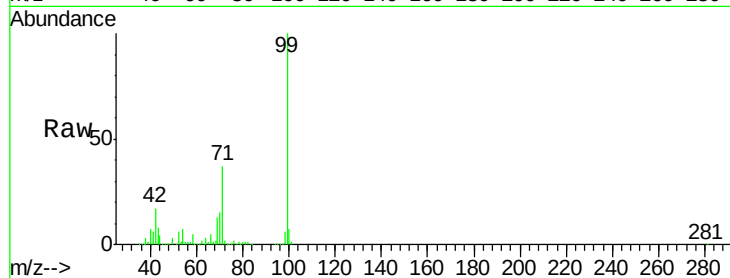
Tot Ion: 99 Resp: 647377

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

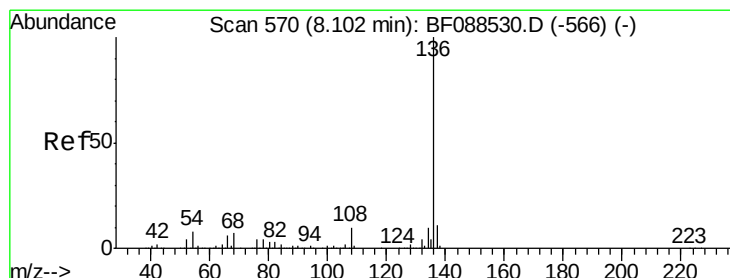
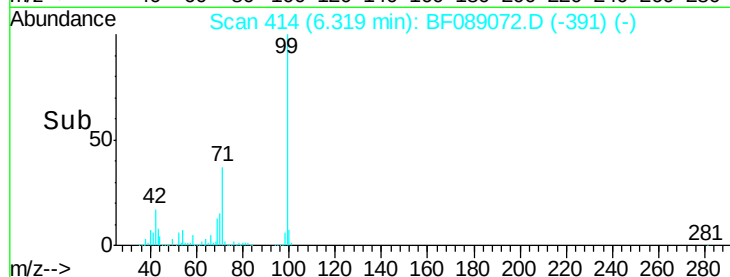
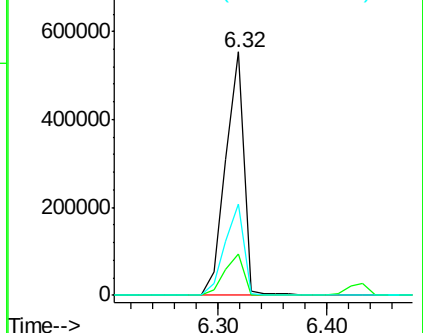
71 37.4 23.4 35.0#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.06 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

Tgt Ion: 136 Resp: 227765

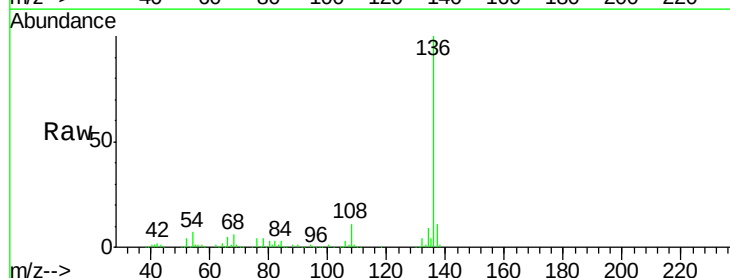
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 7.0 6.6 10.0

68 5.6 5.1 7.7

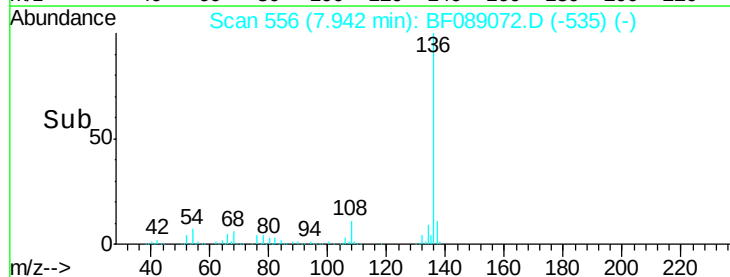
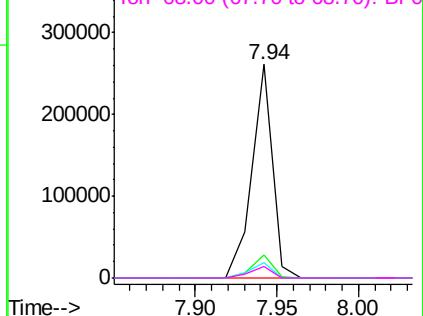


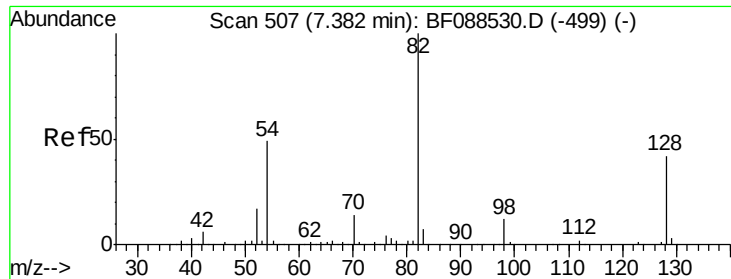
Abundance Ion 136.00 (135.70 to 136.70): E

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

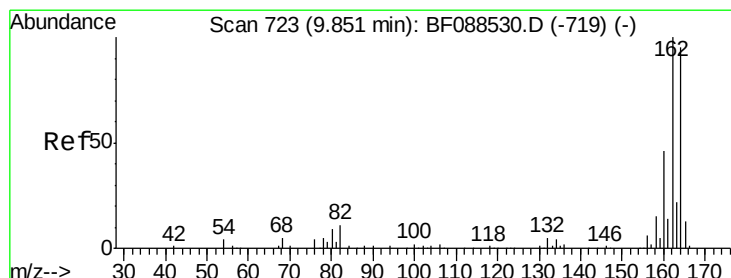
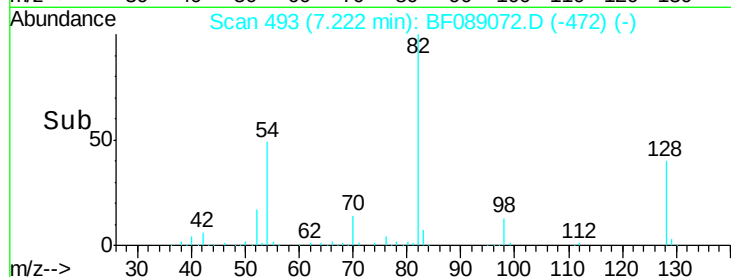
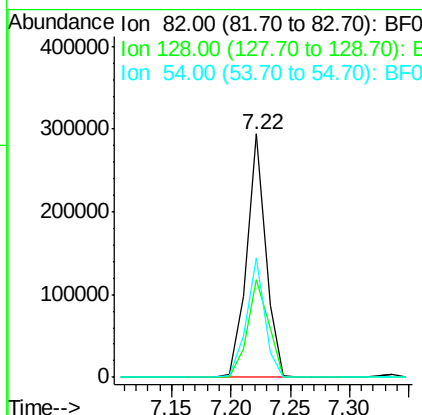
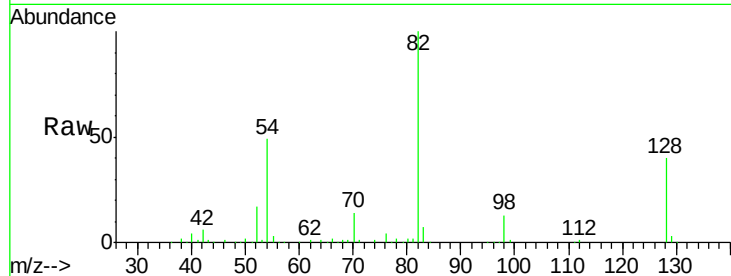




#23
 Nitrobenzene-d5
 Concen: 76.98 ng
 RT: 7.22 min Scan# 493
 Delta R.T. -0.06 min
 Lab File: BF089072.D
 Acq: 17 Jul 2016 12:12

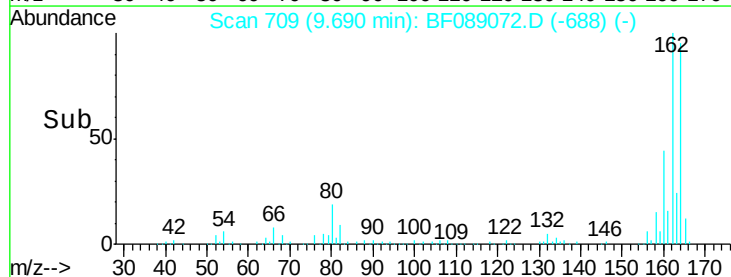
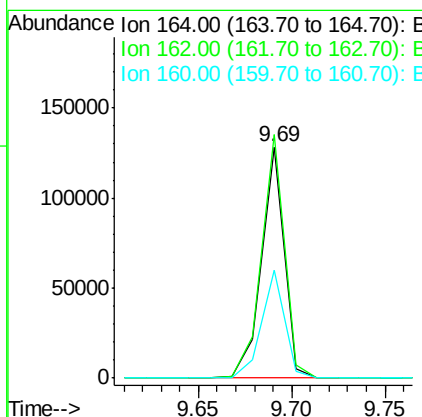
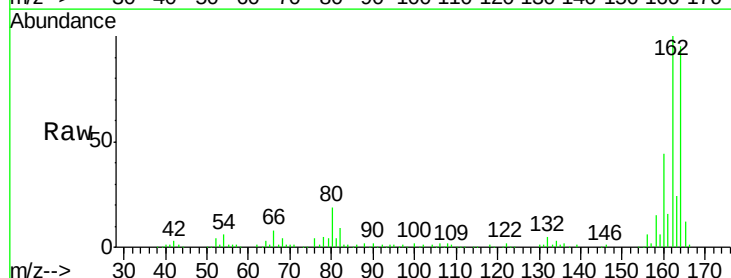
Instrument :
 BNA_F
 ClientSampleId :
 M9-B2(8-16)C

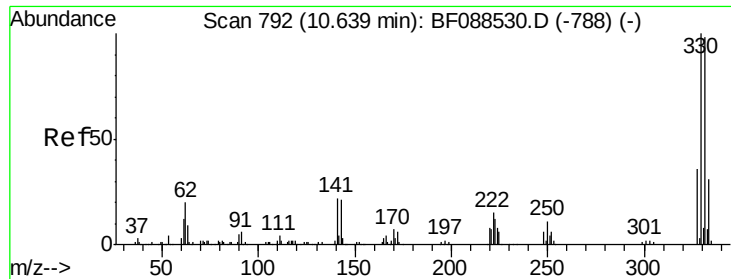
Tot Ion	82	Resp	334559
Ion Ratio	100	Lower	Upper
128	39.9	35.9	53.9
54	49.0	40.9	61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 709
 Delta R.T. -0.06 min
 Lab File: BF089072.D
 Acq: 17 Jul 2016 12:12

Tgt Ion	164	Resp	107121
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	105.4	85.4	128.2
160	46.5	39.5	59.3

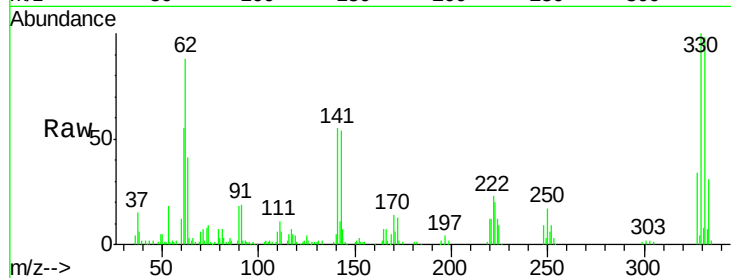




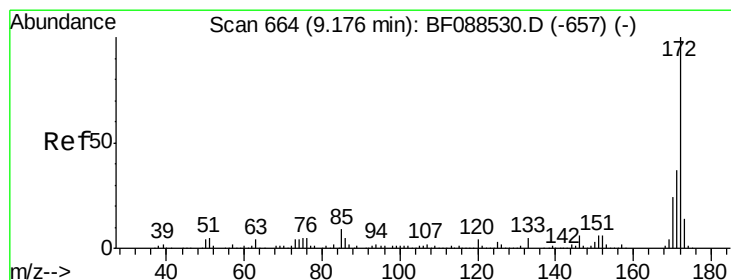
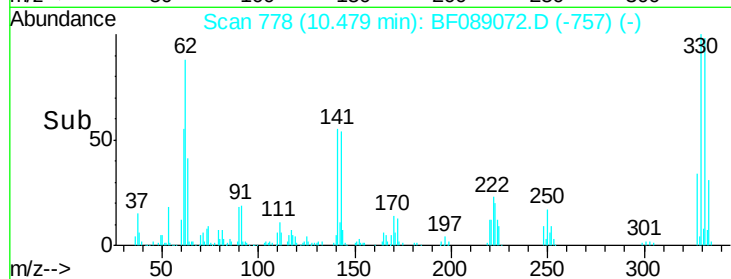
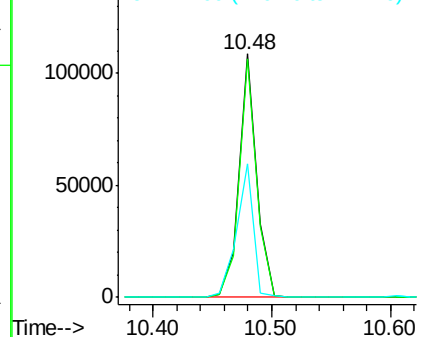
#41
 2,4,6-Tribromophenol
 Concen: 113.52 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.06 min
 Lab File: BF089072.D
 Acq: 17 Jul 2016 12:12

Instrument :
 BNA_F
 ClientSampleId :
 M9-B2(8-16)C

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	53.0	0.0	0.0#

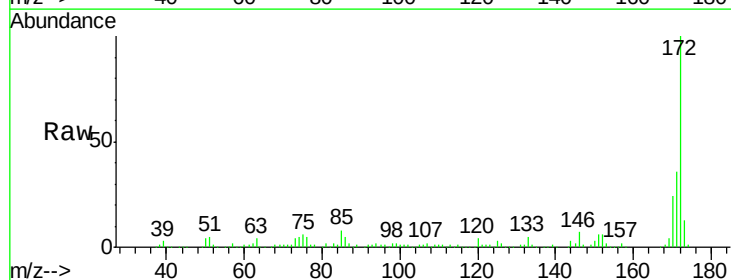


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

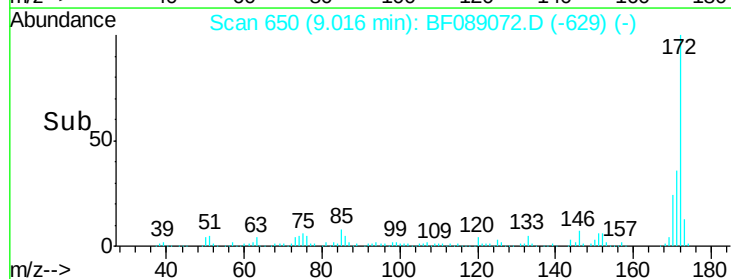
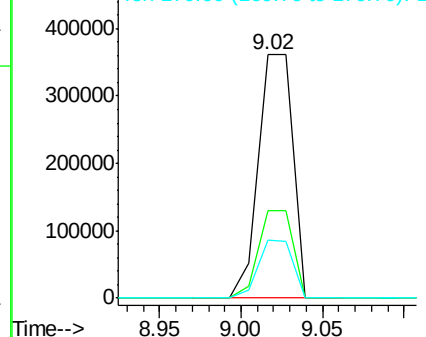


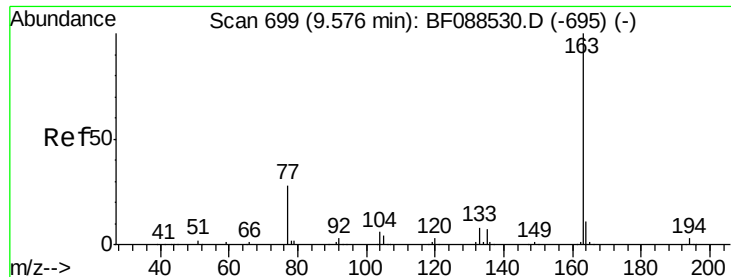
#44
 2-Fluorobiphenyl
 Concen: 78.56 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.06 min
 Lab File: BF089072.D
 Acq: 17 Jul 2016 12:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	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

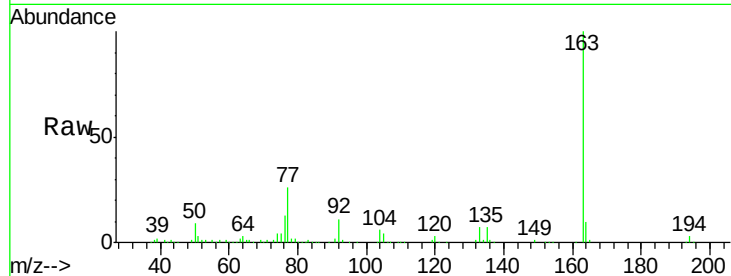




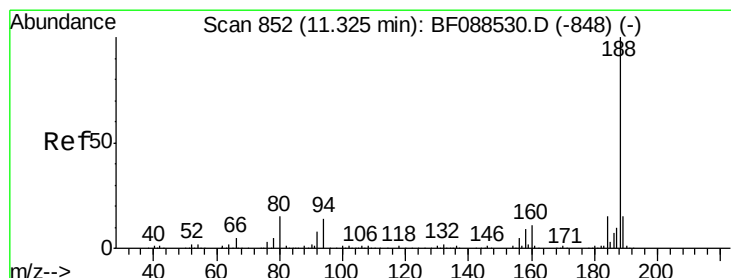
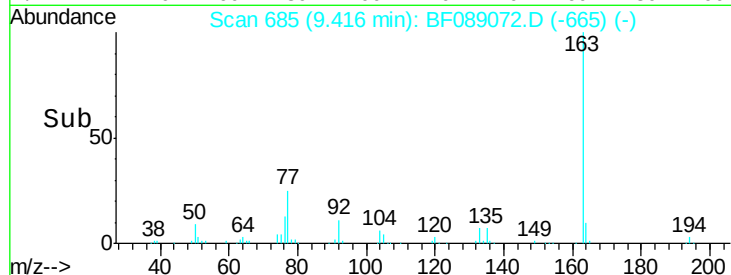
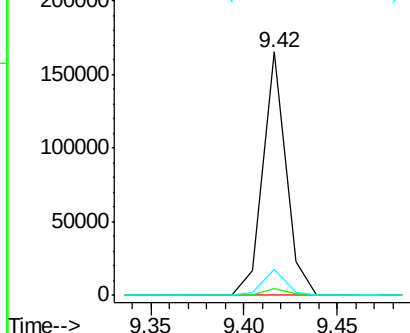
#49
Dimethylphthalate
Concen: 18.46 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.07 min
Lab File: BF089072.D
Acq: 17 Jul 2016 12:12

Instrument :
BNA_F
ClientSampleId :
M9-B2(8-16)C

Tot Ion:163 Resp: 140904
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.5 8.3 12.5

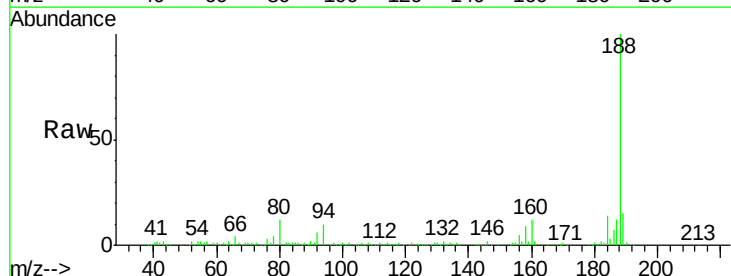


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

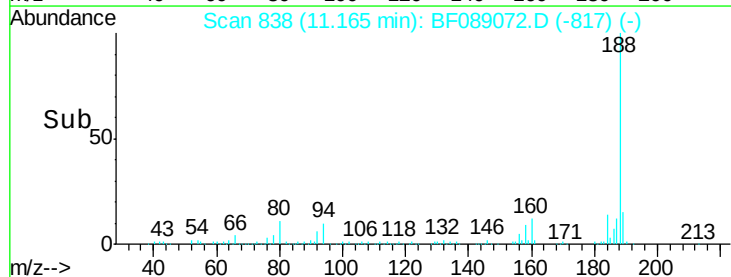
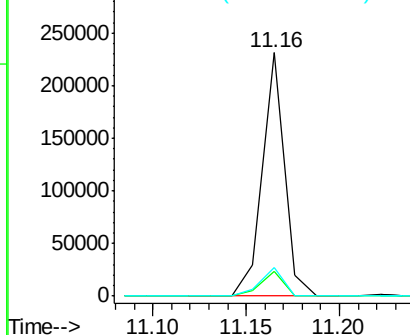


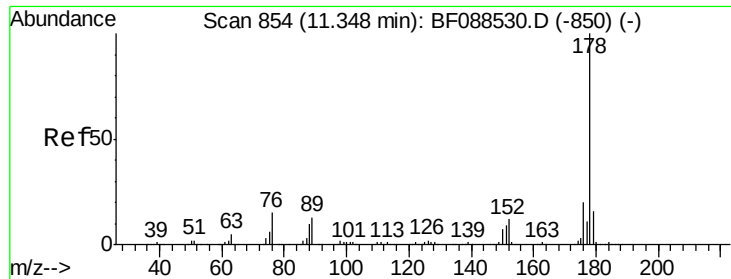
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.06 min
Lab File: BF089072.D
Acq: 17 Jul 2016 12:12

Tgt Ion:188 Resp: 193785
Ion Ratio Lower Upper
188 100
94 10.2 9.0 13.6
80 11.5 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: 3.02 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.06 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

Instrument :

BNA_F

ClientSampleId :

M9-B2(8-16)C

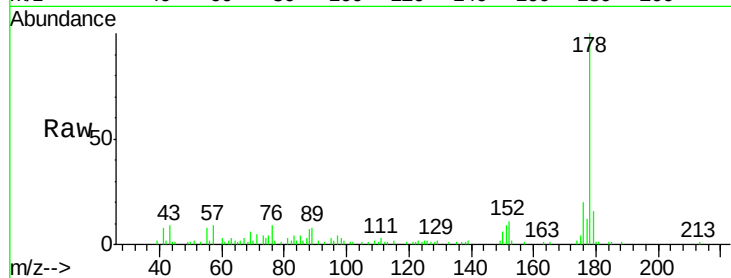
Tot Ion:178 Resp: 32043

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

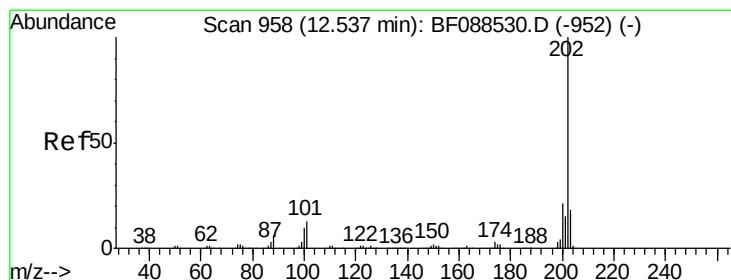
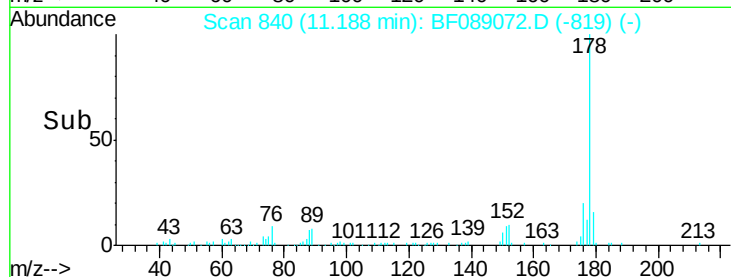
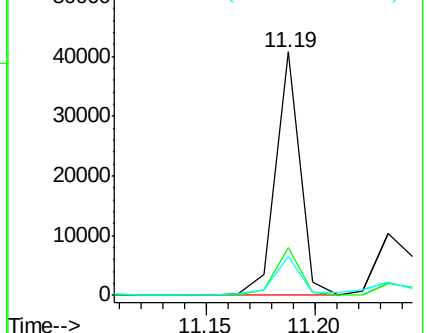
179 15.9 13.0 19.4



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



#74

Fluoranthene

Concen: 6.12 ng

RT: 12.37 min Scan# 943

Delta R.T. -0.06 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

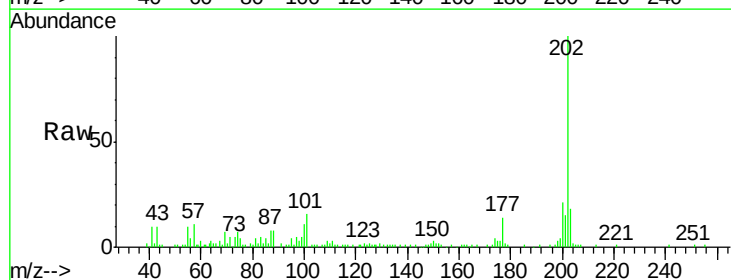
Tgt Ion:202 Resp: 65768

Ion Ratio Lower Upper

202 100

101 15.6 0.0 33.1

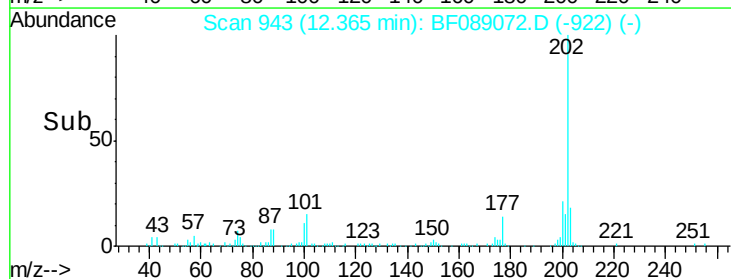
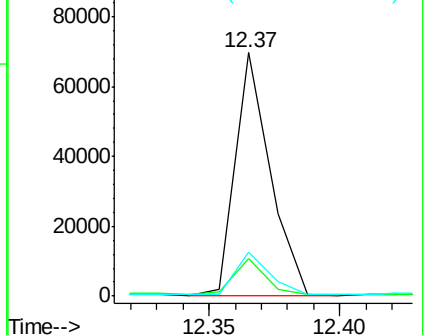
203 18.1 0.0 38.1

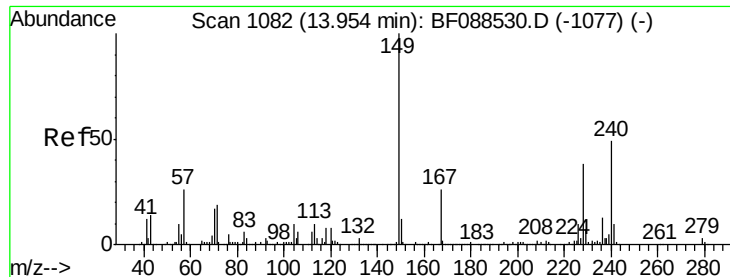


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.78 min Scan# 1067

Delta R.T. -0.07 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

Instrument :

BNA_F

ClientSampleId :

M9-B2(8-16)C

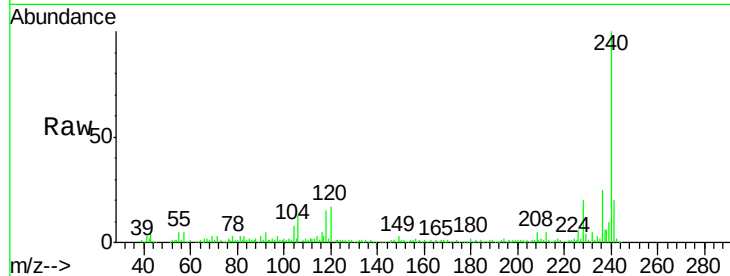
Tot Ion:240 Resp: 127882

Ion Ratio Lower Upper

240 100

120 16.7 6.8 10.2#

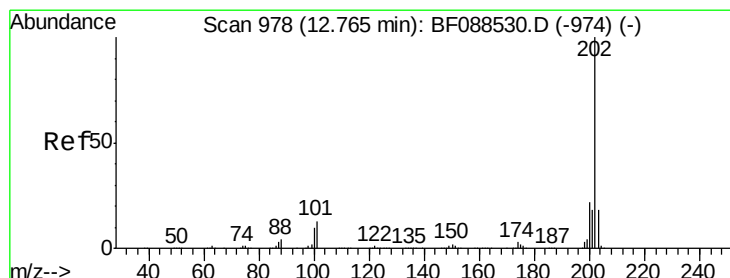
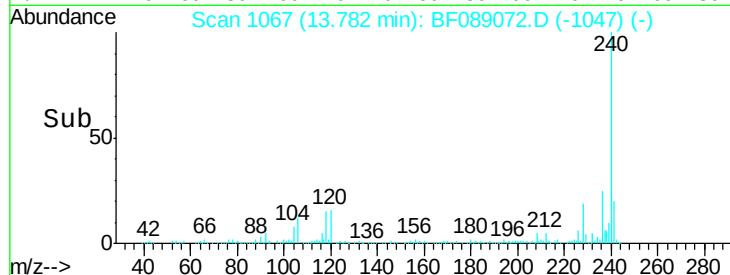
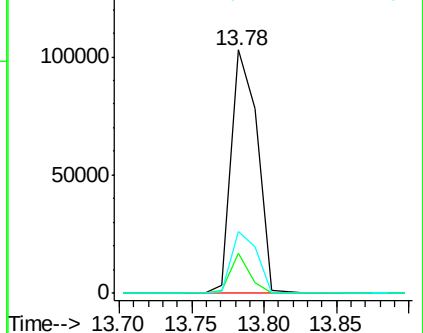
236 25.2 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.97 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.06 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

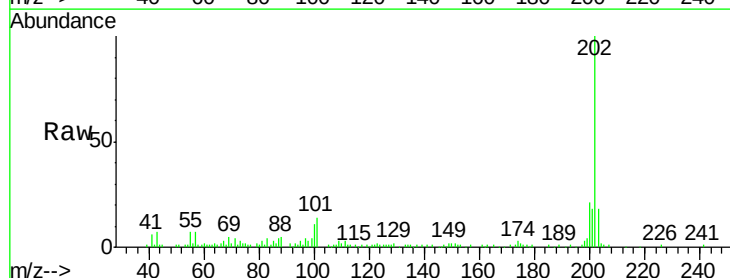
Tgt Ion:202 Resp: 64707

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

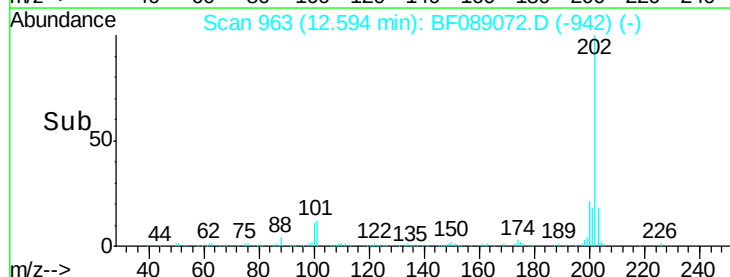
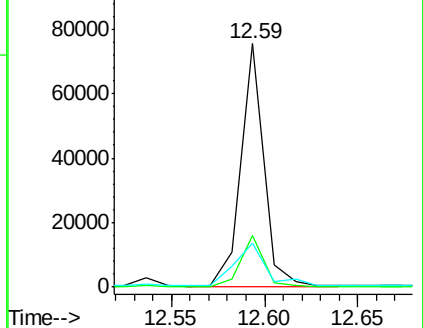
203 17.8 14.5 21.7

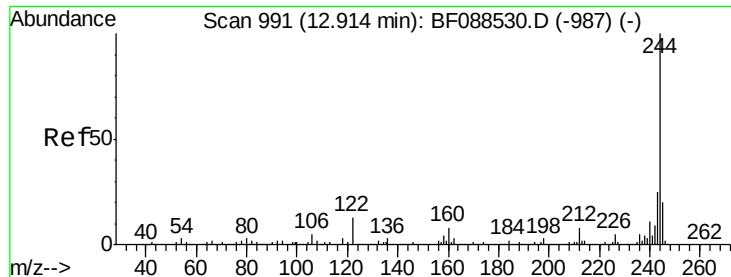


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

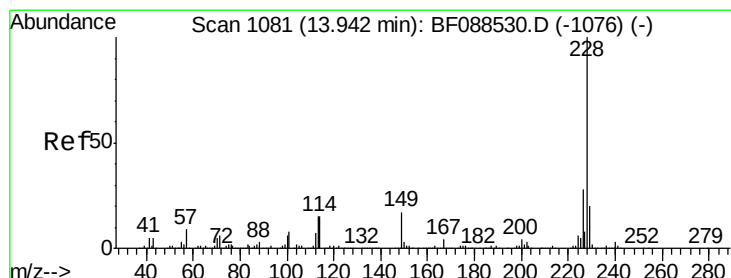
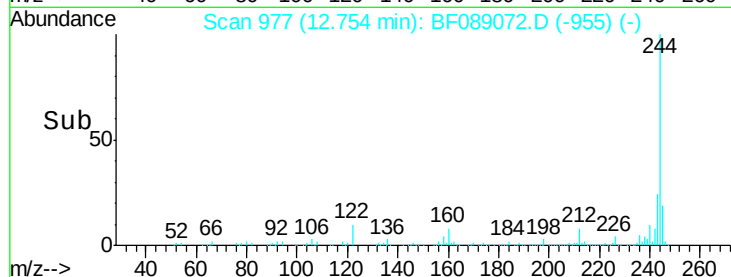
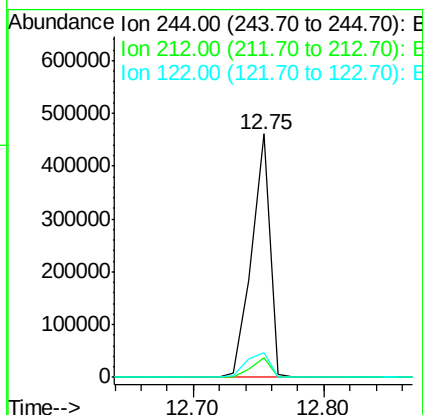
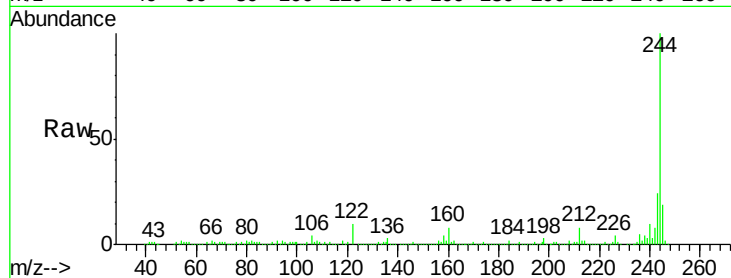




#78
 Terphenyl-d14
 Concen: 78.59 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.05 min
 Lab File: BF089072.D
 Acq: 17 Jul 2016 12:12

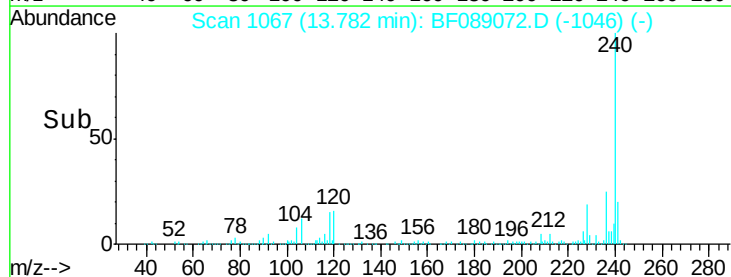
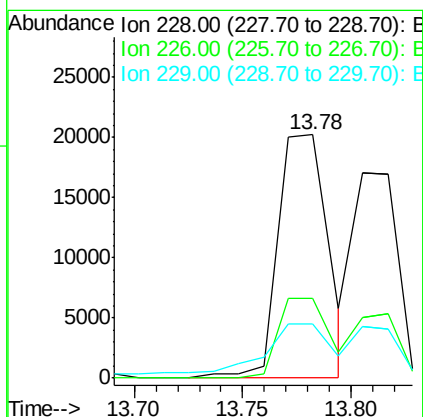
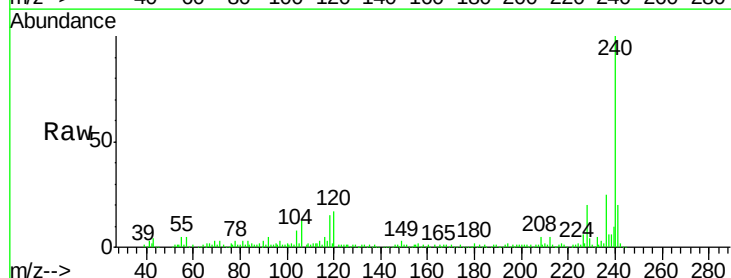
Instrument :
 BNA_F
 ClientSampleId :
 M9-B2(8-16)C

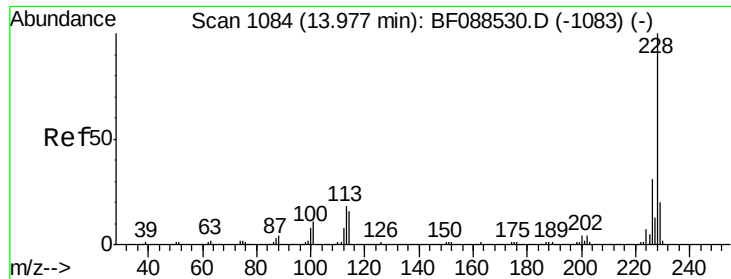
Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	10.2	11.2	16.8#



#80
 Benzo(a)anthracene
 Concen: 3.99 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. -0.06 min
 Lab File: BF089072.D
 Acq: 17 Jul 2016 12:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.3	33.5
229	22.2	16.0	24.0





#82

Chrysene

Concen: 3.00 ng/mL

RT: 13.81 min Scan# 1069

Delta R.T. -0.07 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

Instrument :

BNA_F

ClientSampleID :

M9-B2(8-16)C

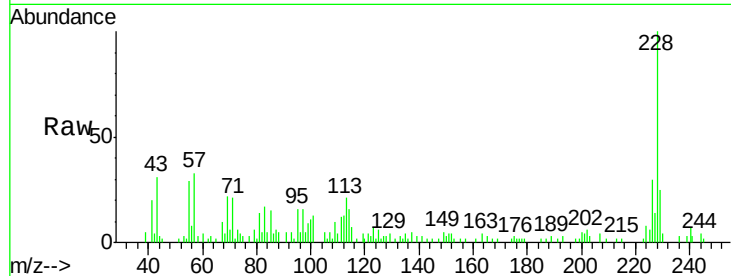
Tot Ion:228 Resp: 24444

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.2

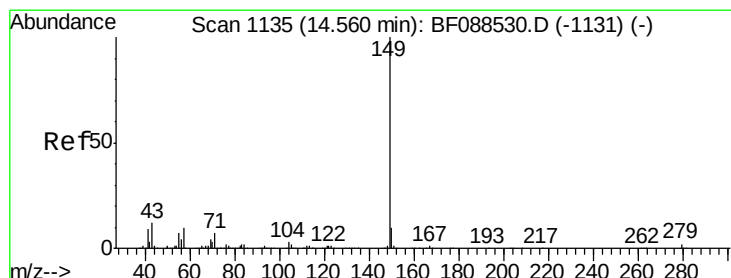
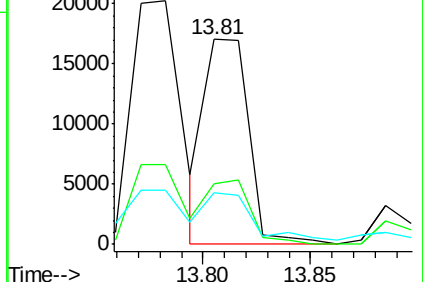
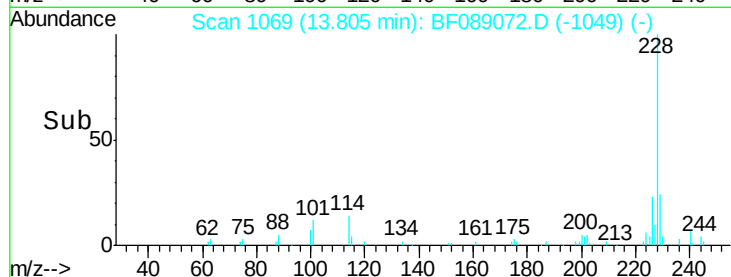
229 25.2 16.3 24.5#



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



#84

Di-n-octyl phthalate

Concen: 26.54 ng

RT: 14.40 min Scan# 1121

Delta R.T. -0.06 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

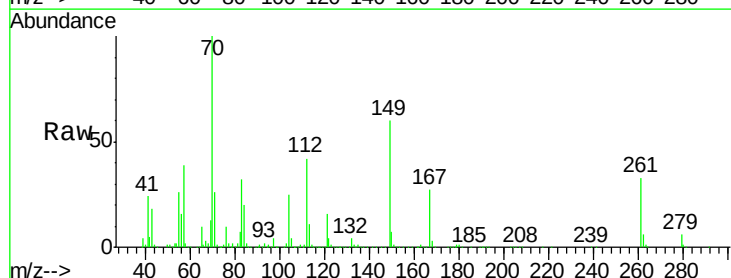
Tgt Ion:149 Resp: 248983

Ion Ratio Lower Upper

149 100

167 45.1 0.0 0.0#

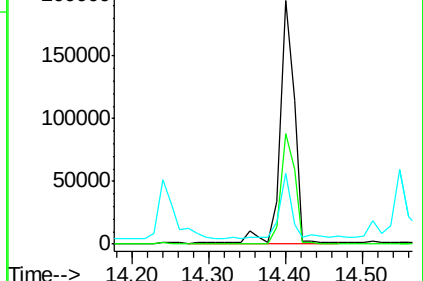
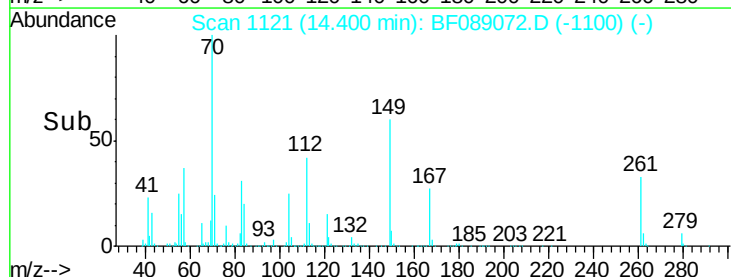
43 26.1 0.0 0.0#

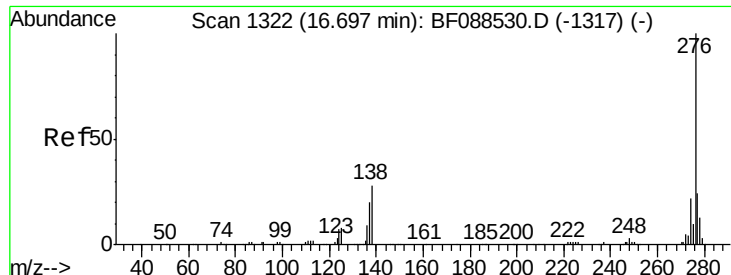


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

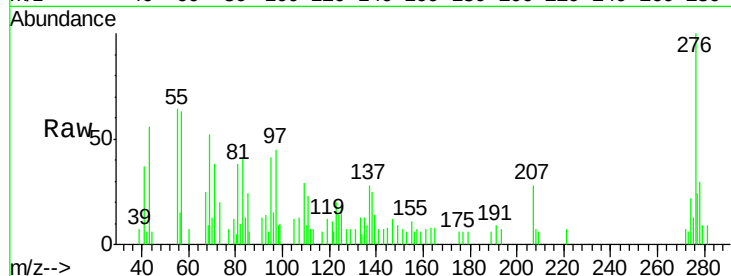




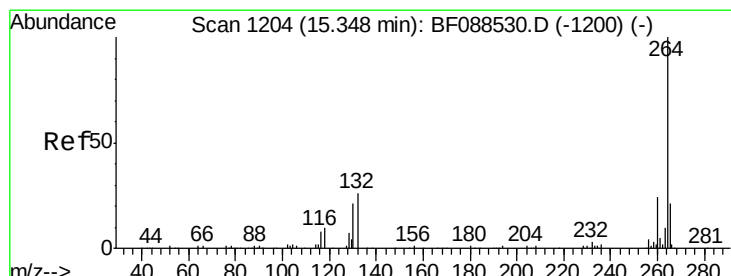
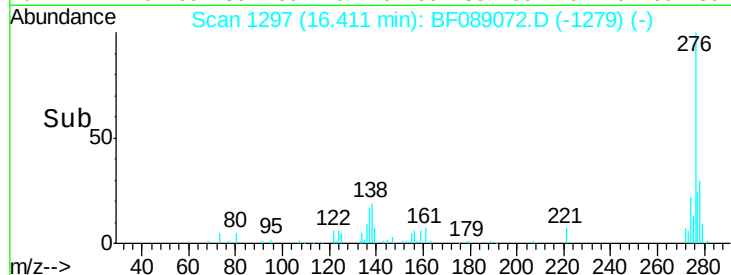
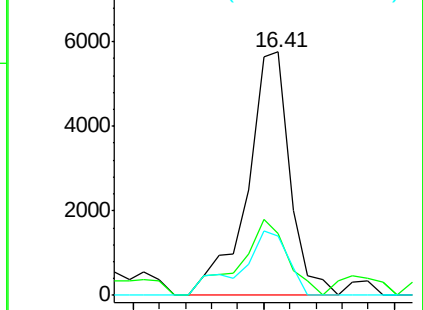
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.09 ng
RT: 16.41 min Scan# 1297
Delta R.T. -0.09 min
Lab File: BF089072.D
Acq: 17 Jul 2016 12:12

Instrument :
BNA_F
ClientSampleId :
M9-B2(8-16)C

Tot Ion:276 Resp: 13128
Ion Ratio Lower Upper
276 100
138 34.5 0.0 0.0#
277 29.5 0.0 0.0#

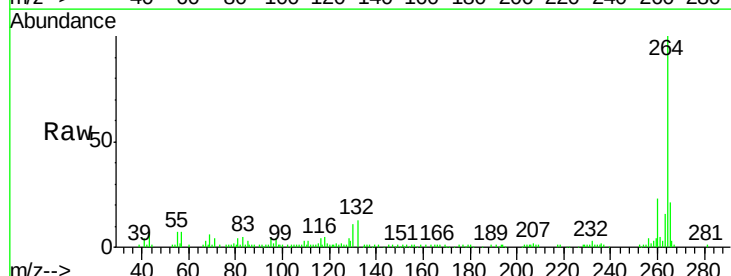


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

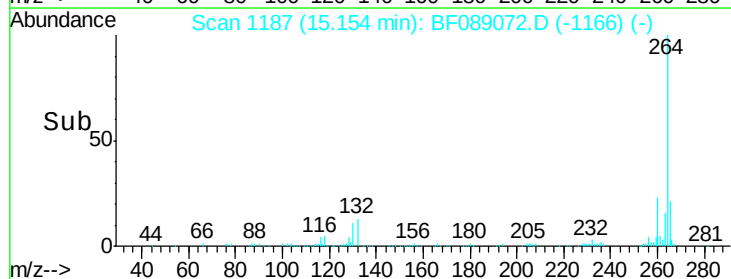
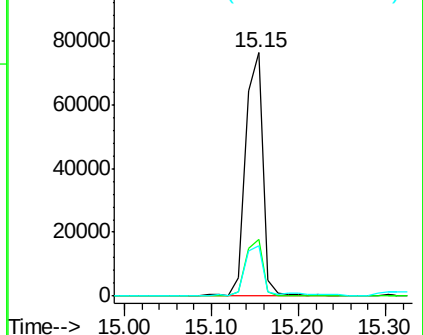


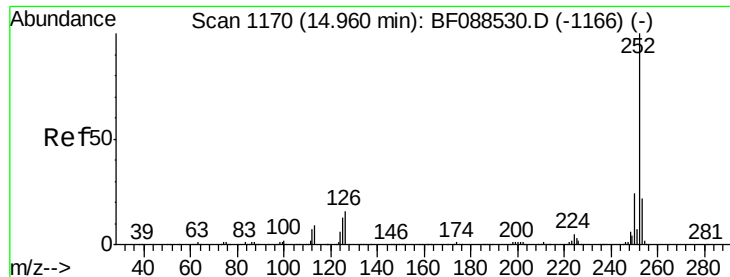
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.06 min
Lab File: BF089072.D
Acq: 17 Jul 2016 12:12

Tgt Ion:264 Resp: 106081
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 20.9 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: 3.87 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.06 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

Instrument :

BNA_F

ClientSampleId :

M9-B2(8-16)C

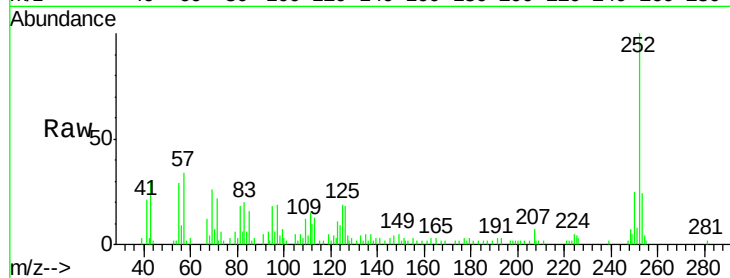
Tot Ion:252 Resp: 25773

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

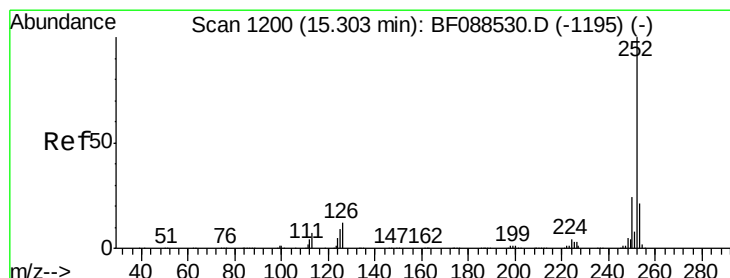
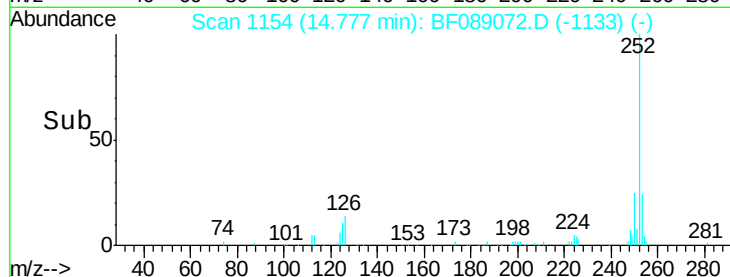
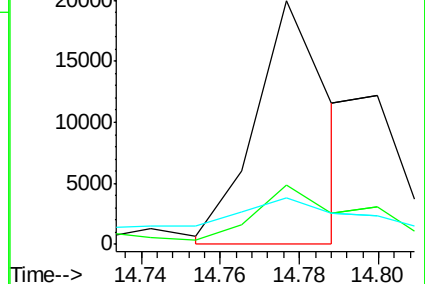
125 19.3 7.1 10.7#



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: 3.98 ng

RT: 15.09 min Scan# 1181

Delta R.T. -0.08 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

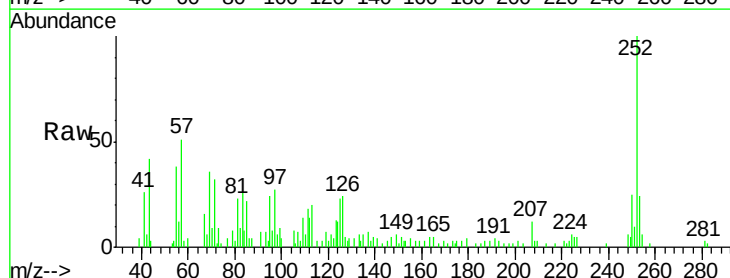
Tgt Ion:252 Resp: 22398

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

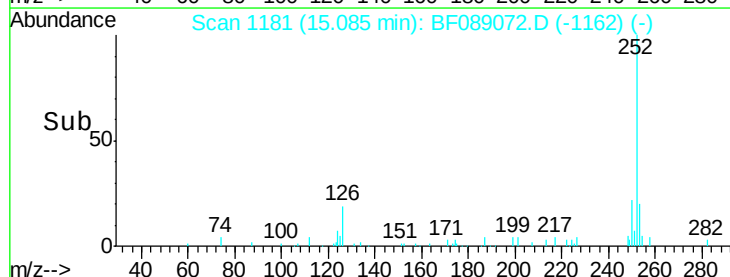
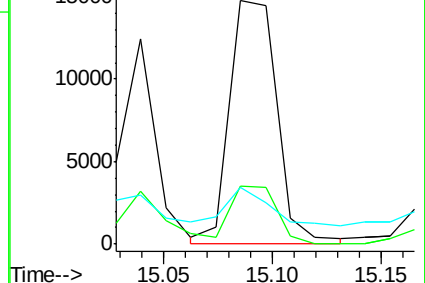
125 23.1 12.5 18.7#

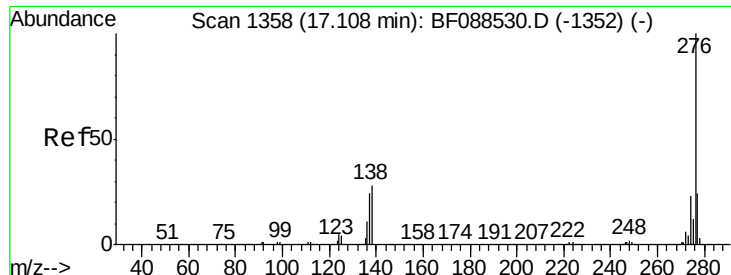


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.53 ng

RT: 16.78 min Scan# 1329

Delta R.T. -0.11 min

Lab File: BF089072.D

Acq: 17 Jul 2016 12:12

Instrument :

BNA_F

ClientSampleId :

M9-B2(8-16)C

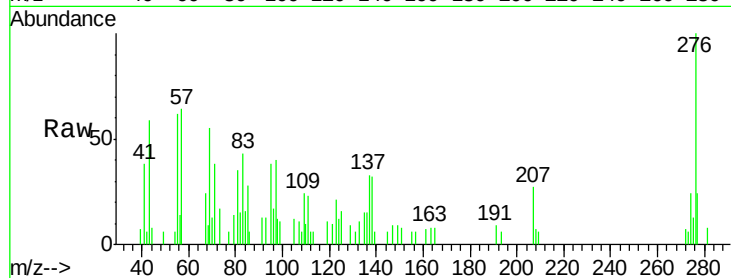
Tot Ion: 276 Resp: 12309

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 31.6 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

