

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070116\
 Data File : BF088579.D
 Acq On : 1 Jul 2016 17:17
 Operator : UM/SJ
 Sample : H3808-21 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 01 17:53:56 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

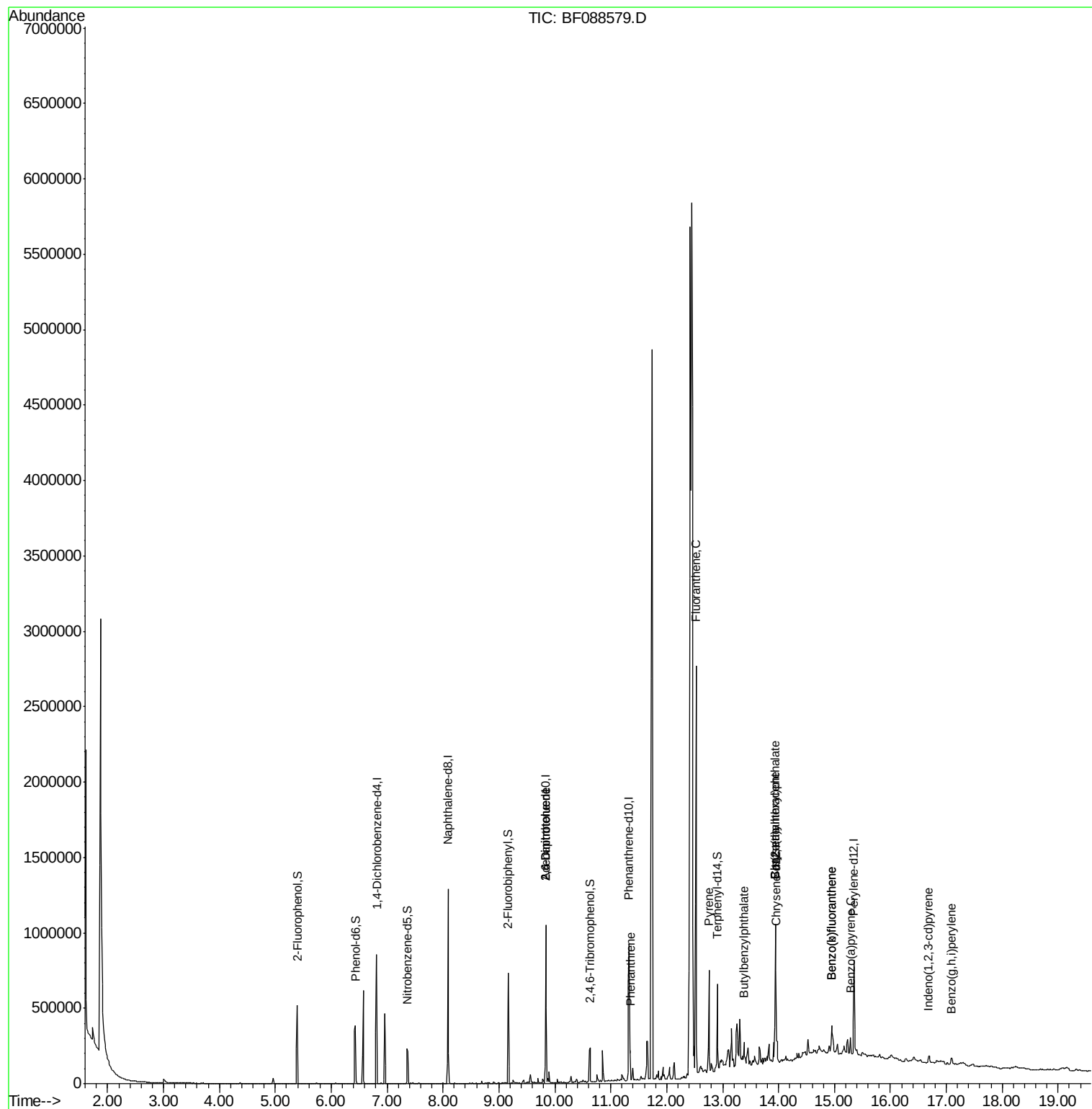
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	138175	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	531379	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	228472	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	424807	20.00	ng	0.00
75) Chrysene-d12	13.95	240	309683	20.00	ng	0.00
86) Perylene-d12	15.35	264	260666	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	155561	16.87	ng	-0.01
7) Phenol-d6	6.43	99	196021	16.45	ng	-0.01
23) Nitrobenzene-d5	7.36	82	109989	10.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	35333	16.65	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	208268	14.40	ng	-0.01
78) Terphenyl-d14	12.90	244	158550	11.40	ng	-0.01
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	9.84	165	29334	8.13	ng	# 40
56) 2,4-Dinitrotoluene	9.84	165	29337	6.22	ng	# 38
70) Phenanthrene	11.35	178	105308	4.53	ng	97
74) Fluoranthene	12.53	202	165684	7.04	ng	79
77) Pyrene	12.75	202	194833	7.42	ng	99
79) Butylbenzylphthalate	13.38	149	25412	2.17	ng	# 84
80) Benzo(a)anthracene	13.94	228	92642	4.65	ng	94
82) Chrysene	13.94	228	92642	4.70	ng	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	40164	3.00	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	33693	2.22	ng	# 100
87) Benzo(b)fluoranthene	14.95	252	124285	7.60	ng	# 92
88) Benzo(k)fluoranthene	14.95	252	124285	8.73	ng	97
89) Benzo(a)pyrene	15.29	252	63957	4.62	ng	96
91) Benzo(a,h,i)perylene	17.10	276	35164	2.94	ng	96

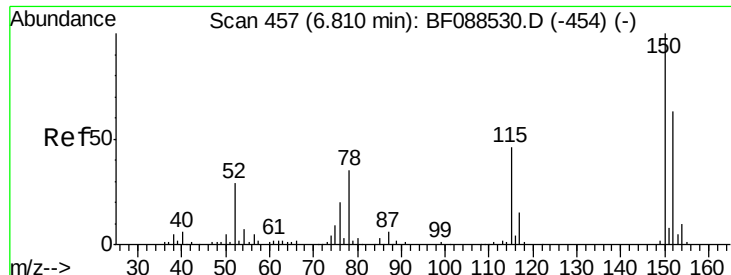
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070116\
Data File : BF088579.D
Acq On : 1 Jul 2016 17:17
Operator : UM/SJ
Sample : H3808-21 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 01 17:53:56 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



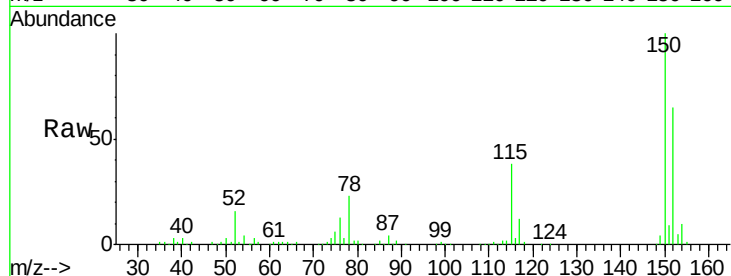


#1

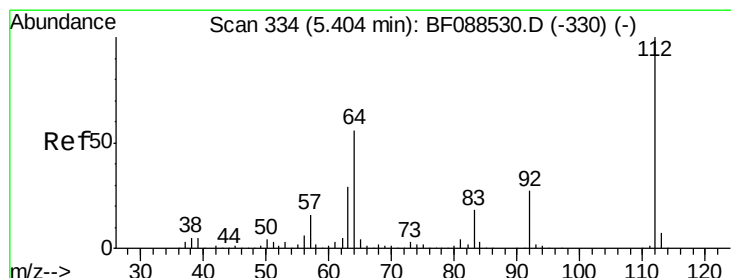
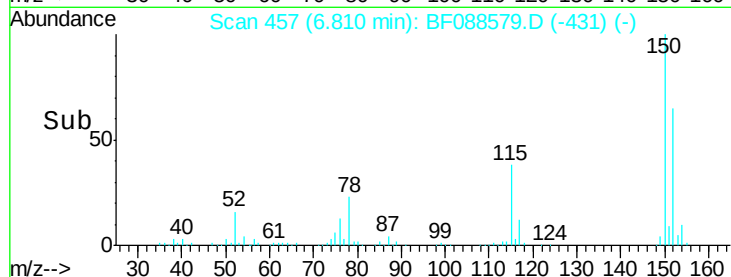
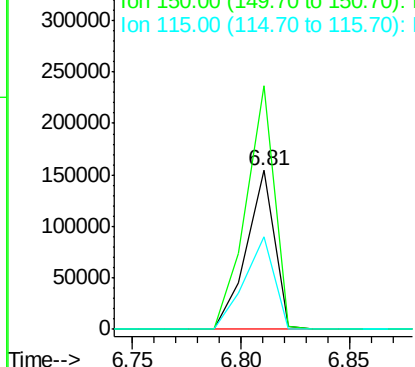
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF088579.D
Acq: 1 Jul 2016 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138175
Ion Ratio Lower Upper
152 100
150 153.3 123.8 185.6
115 58.2 39.6 59.4



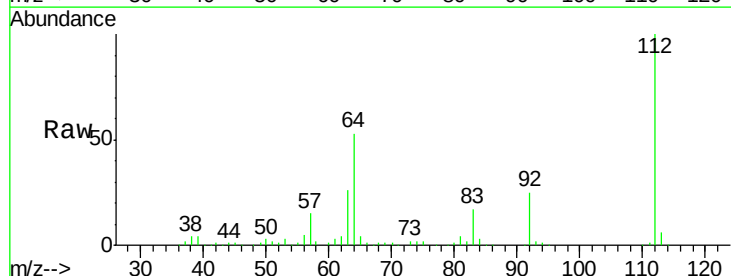
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



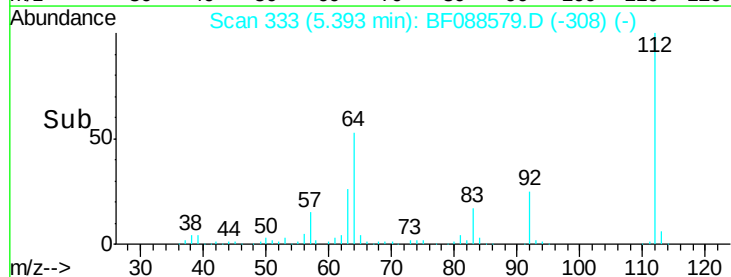
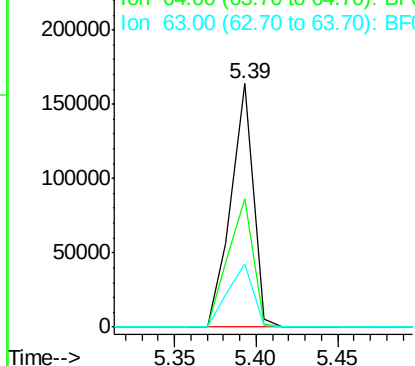
#5

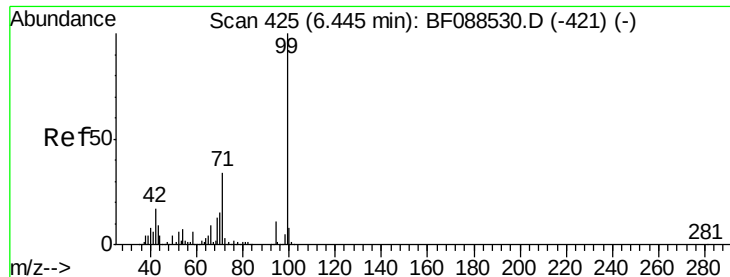
2-Fluorophenol
Concen: 16.87 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088579.D
Acq: 1 Jul 2016 17:17

Tgt Ion:112 Resp: 155561
Ion Ratio Lower Upper
112 100
64 52.5 42.2 63.2
63 26.0 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: 16.45 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

Instrument :

BNA_F

ClientSampleId :

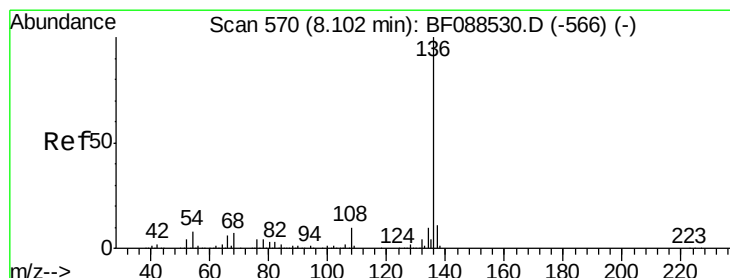
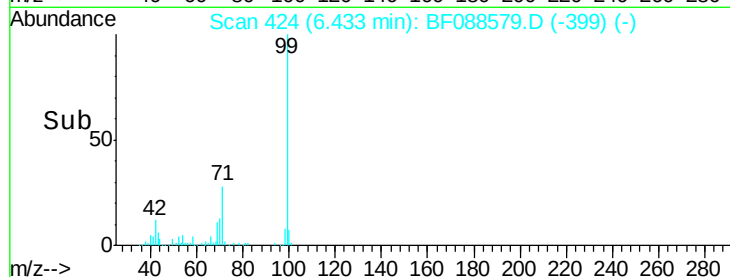
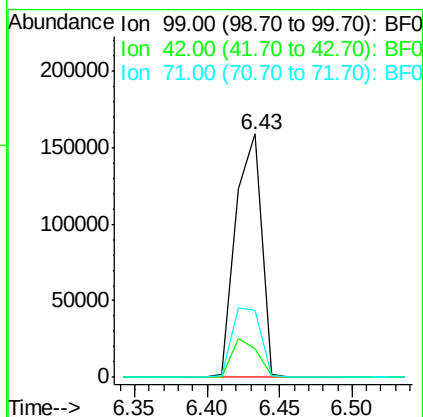
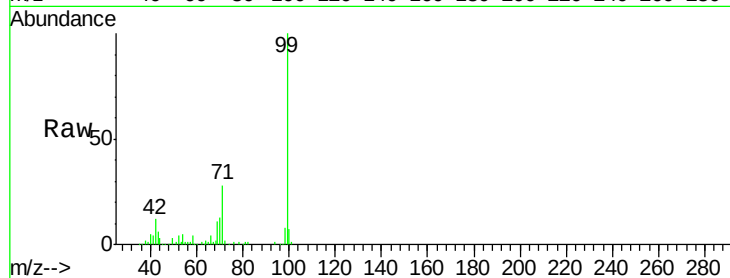
Tot Ion: 99 Resp: 196021

Ion Ratio Lower Upper

99 100

42 11.6 12.2 18.2#

71 27.6 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

Tgt Ion: 136 Resp: 531379

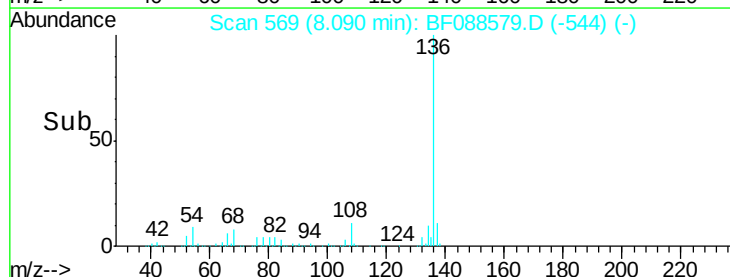
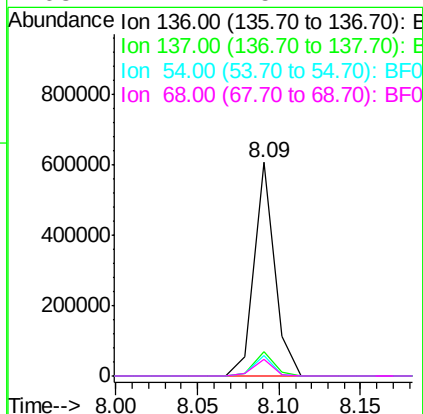
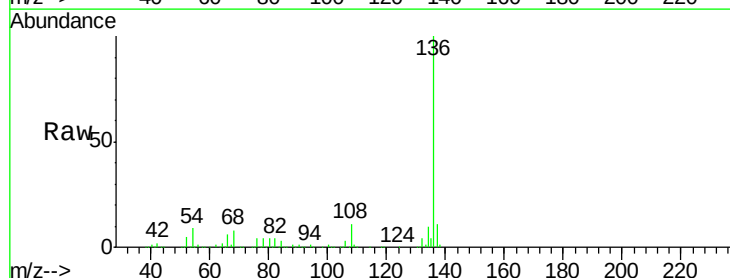
Ion Ratio Lower Upper

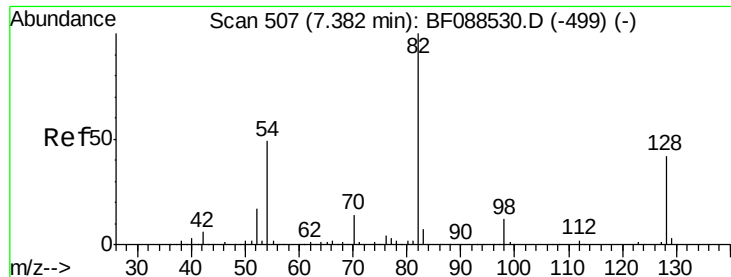
136 100

137 11.2 9.1 13.7

54 9.4 6.6 10.0

68 7.7 5.1 7.7#

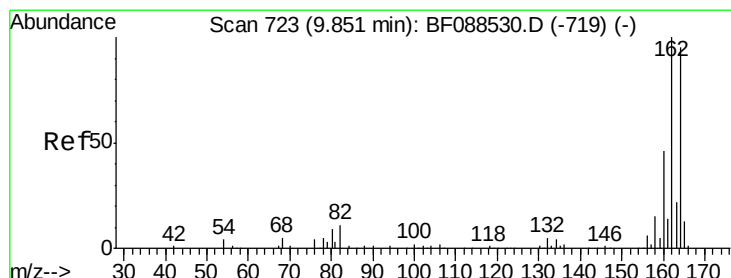
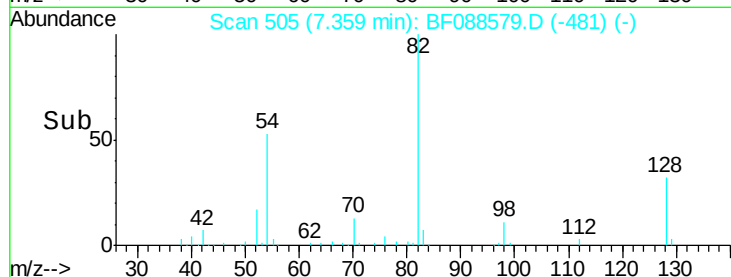
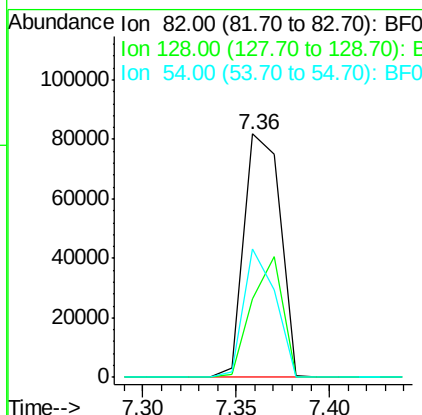
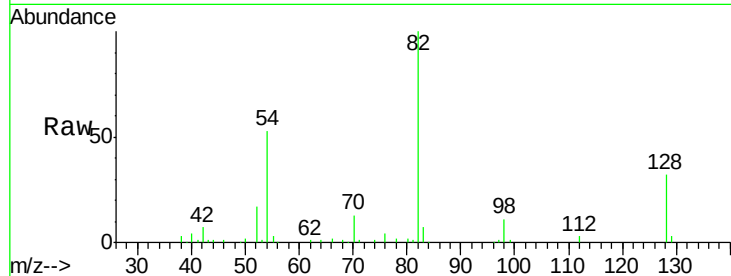




#23
 Nitrobenzene-d5
 Concen: 10.85 ng
 RT: 7.36 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: BF088579.D
 Acq: 1 Jul 2016 17:17

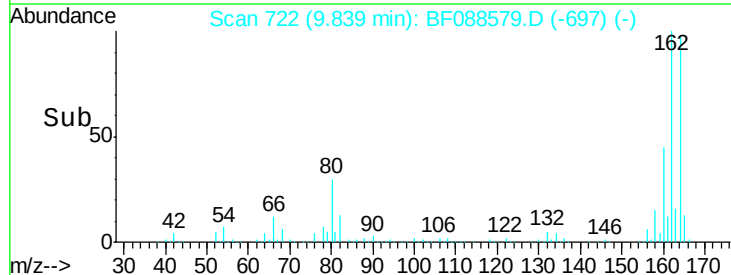
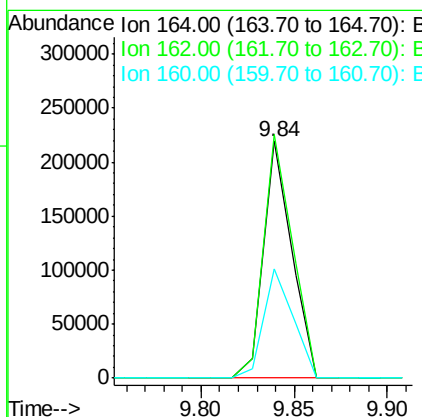
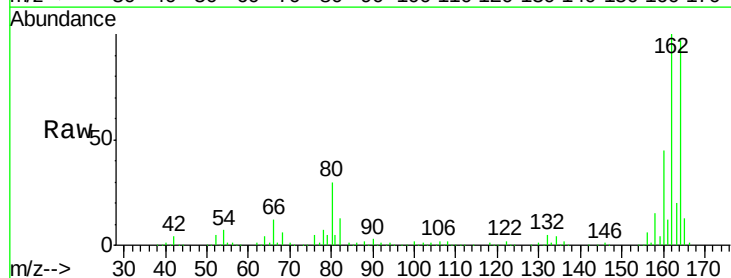
Instrument :
 BNA_F
 ClientSampled :

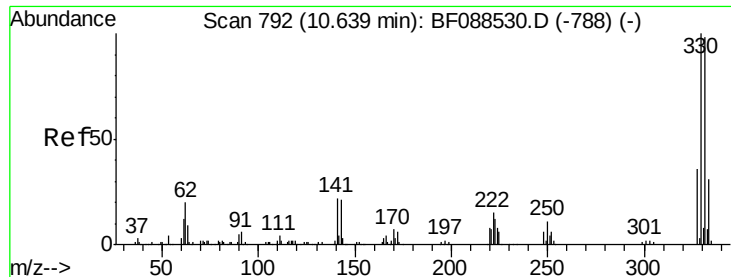
Tot Ion: 82 Resp: 109989
 Ion Ratio Lower Upper
 82 100
 128 32.2 35.9 53.9#
 54 52.8 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF088579.D
 Acq: 1 Jul 2016 17:17

Tgt Ion:164 Resp: 228472
 Ion Ratio Lower Upper
 164 100
 162 102.8 85.4 128.2
 160 46.2 39.5 59.3

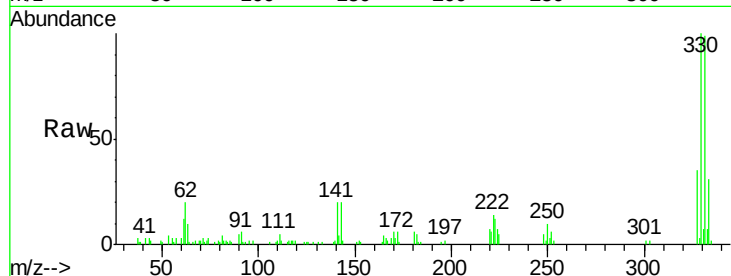




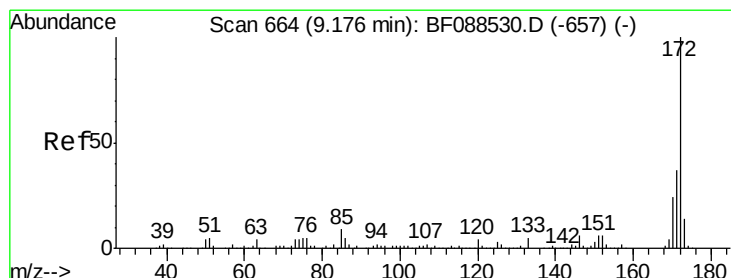
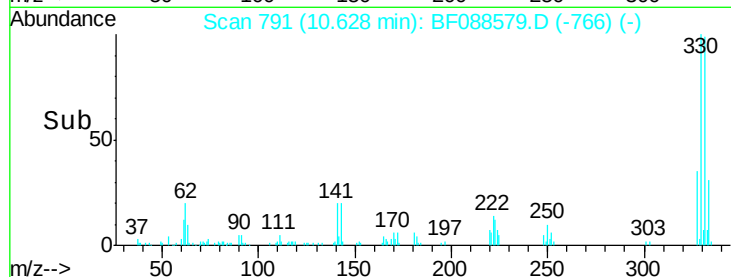
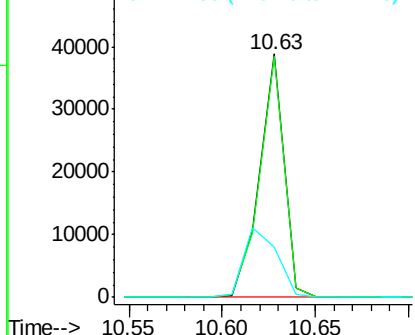
#41
 2,4,6-Tribromophenol
 Concen: 16.65 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF088579.D
 Acq: 1 Jul 2016 17:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	0.0	0.0#
141	39.0	0.0	0.0#

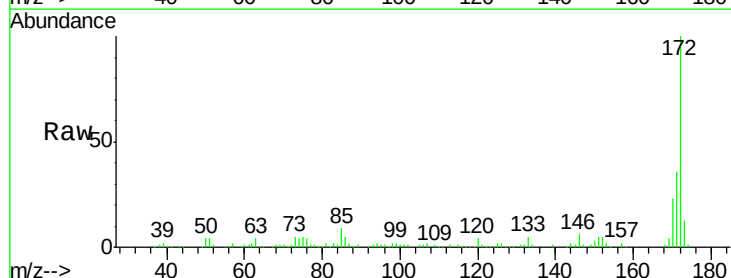


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

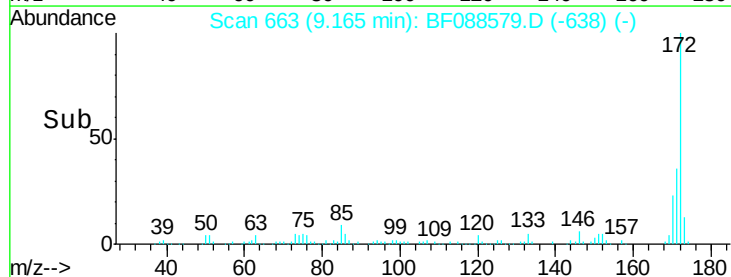
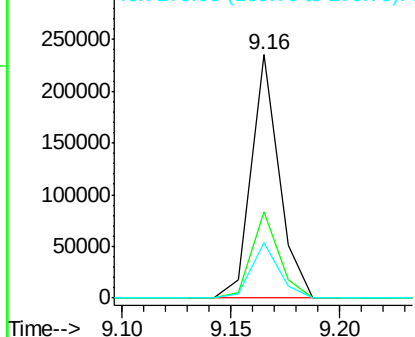


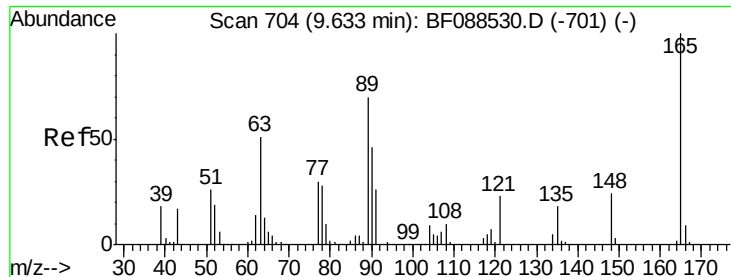
#44
 2-Fluorobiphenyl
 Concen: 14.40 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF088579.D
 Acq: 1 Jul 2016 17:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	22.9	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

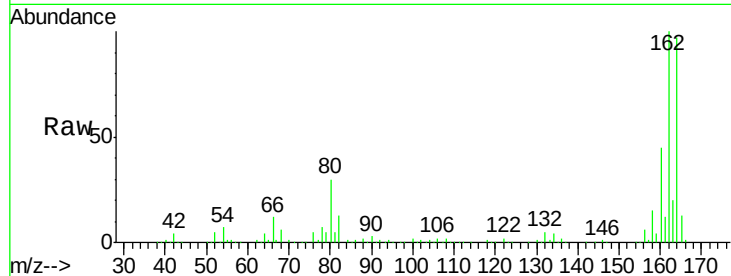




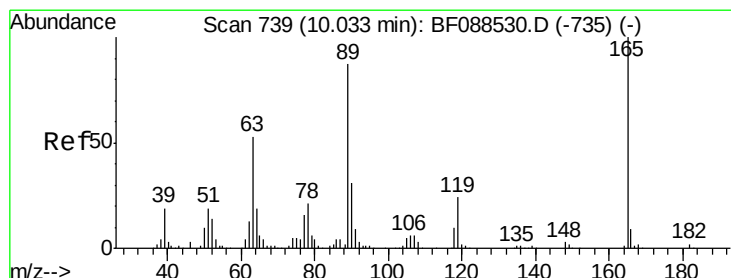
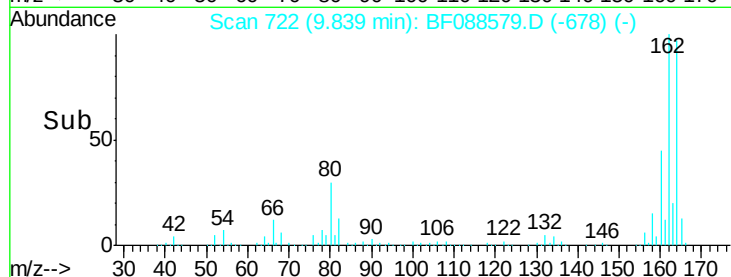
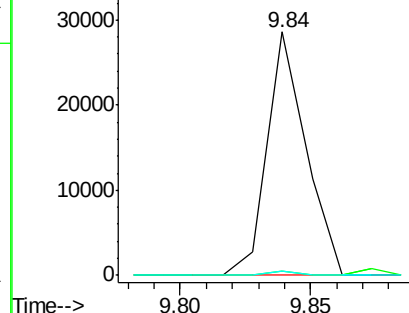
#50
 2,6-Dinitrotoluene
 Concen: 8.13 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.21 min
 Lab File: BF088579.D
 Acq: 1 Jul 2016 17:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	28.1	42.1#
89	1.7	32.2	48.2#



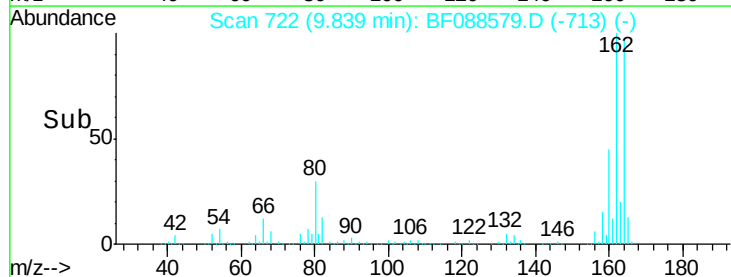
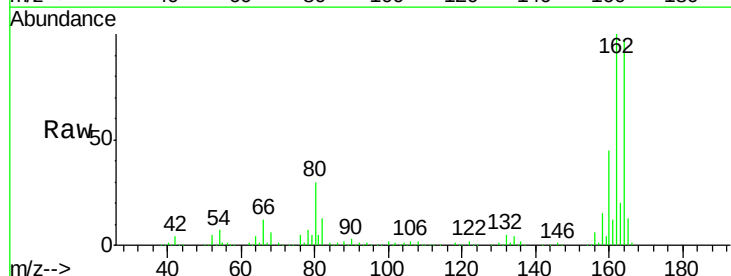
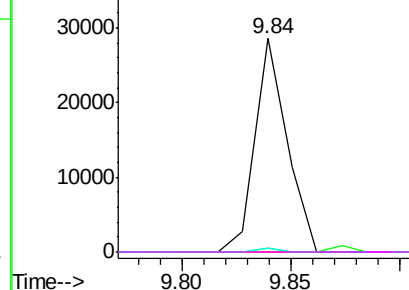
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

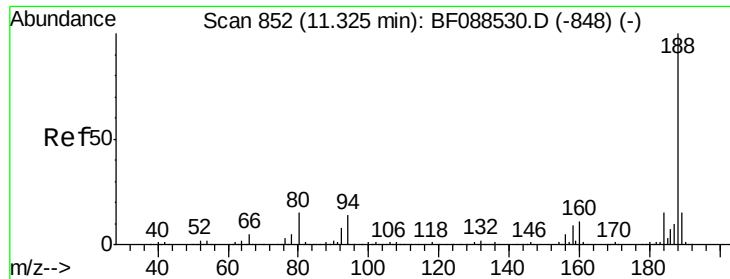


#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.19 min
 Lab File: BF088579.D
 Acq: 1 Jul 2016 17:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

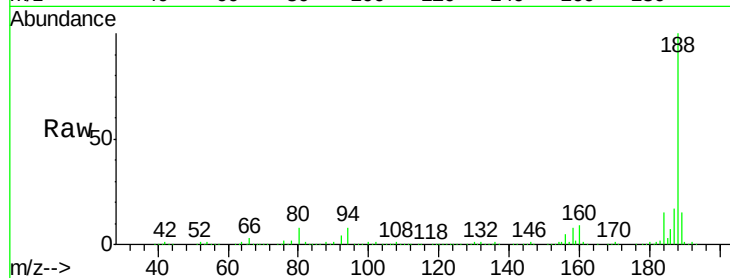




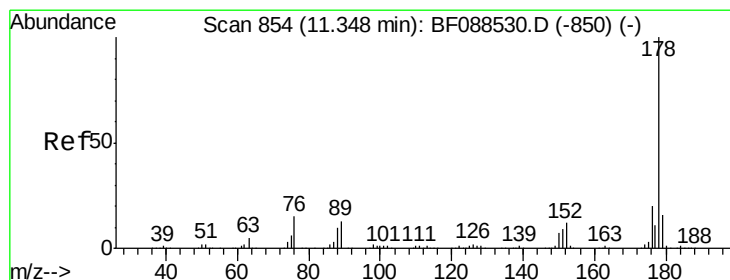
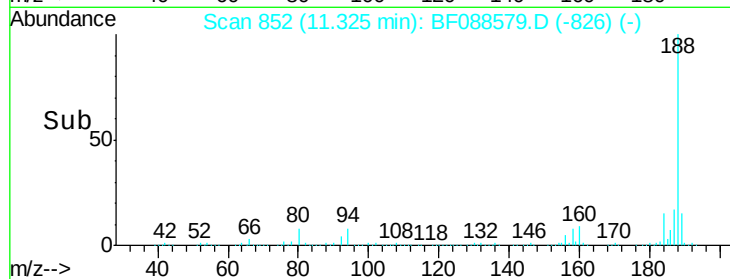
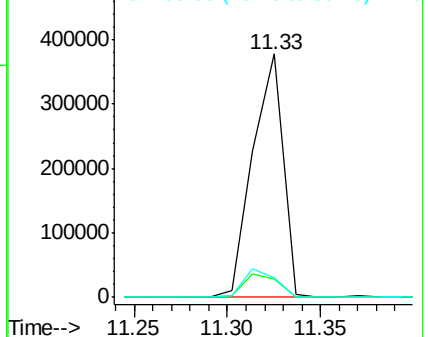
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF088579.D
Acq: 1 Jul 2016 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 424807
Ion Ratio Lower Upper
188 100
94 7.5 9.0 13.6#
80 7.9 10.0 15.0#

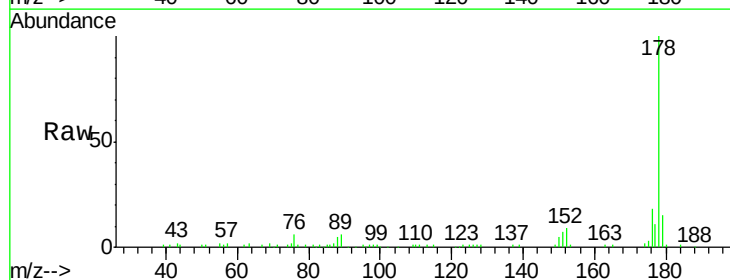


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

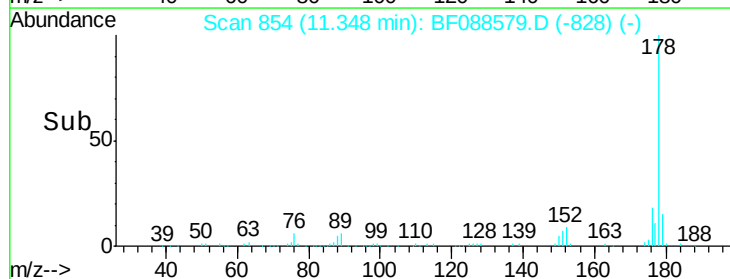
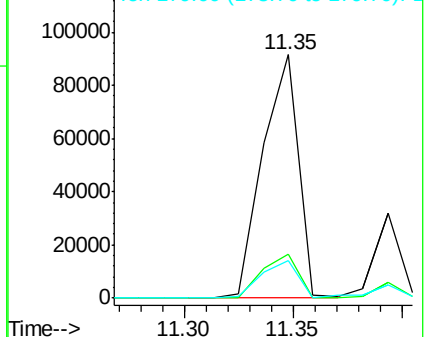


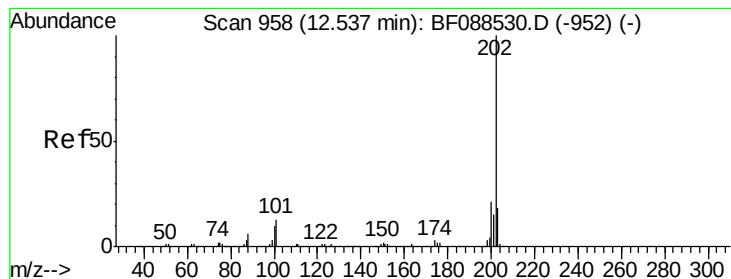
#70
Phenanthrene
Concen: 4.53 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088579.D
Acq: 1 Jul 2016 17:17

Tgt Ion:178 Resp: 105308
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 15.2 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: 7.04 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

Instrument :

BNA_F

ClientSampleId :

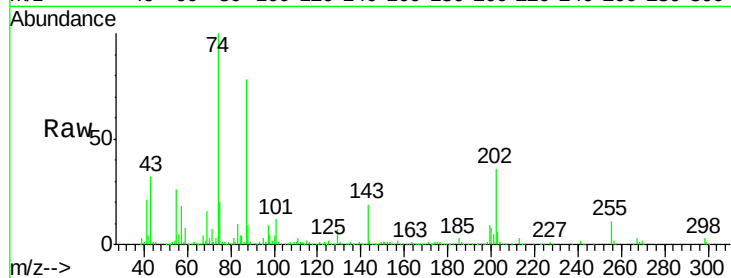
Tot Ion:202 Resp: 165684

Ion Ratio Lower Upper

202 100

101 32.0 0.0 33.1

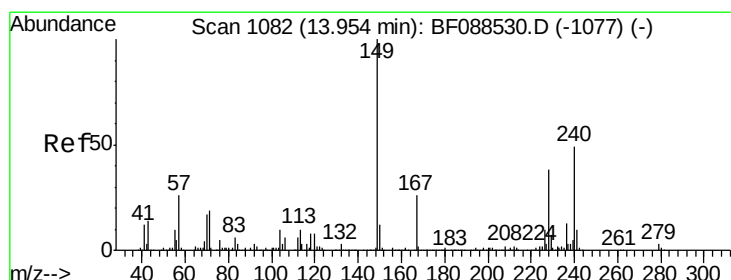
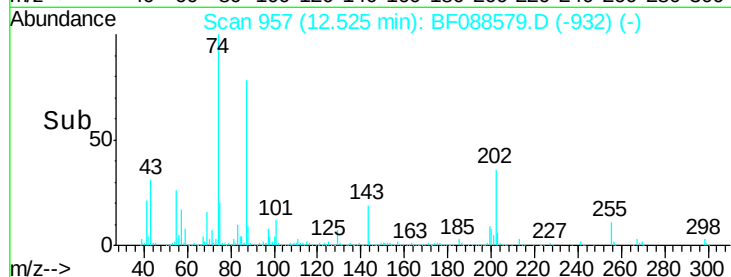
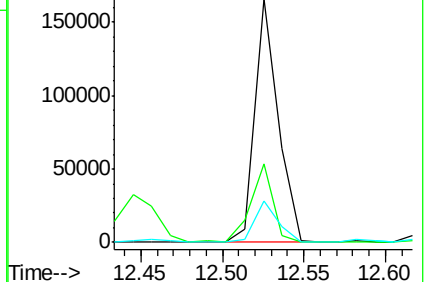
203 17.2 0.0 38.1



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: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

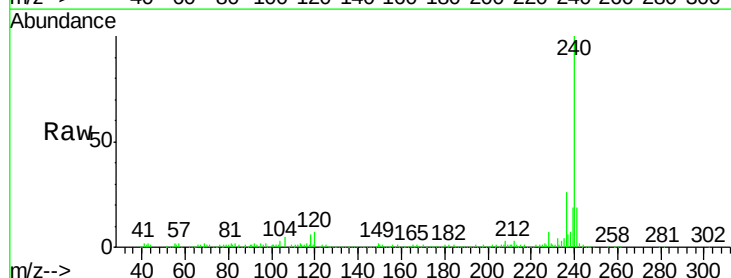
Tgt Ion:240 Resp: 309683

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

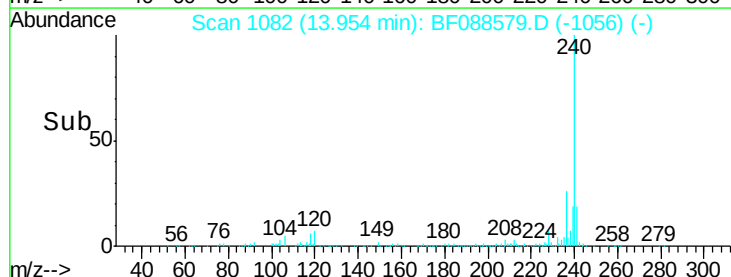
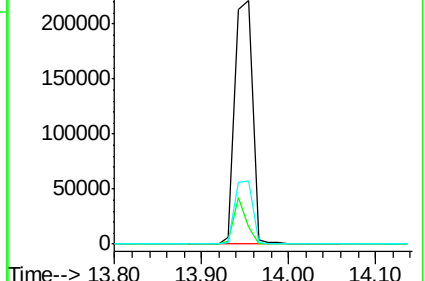
236 25.8 20.2 30.2

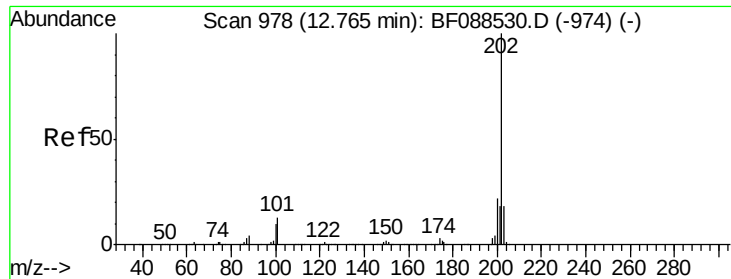


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

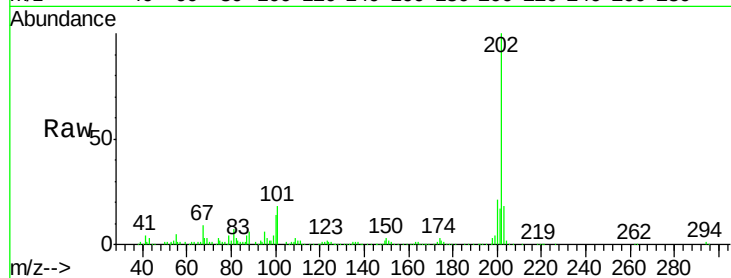




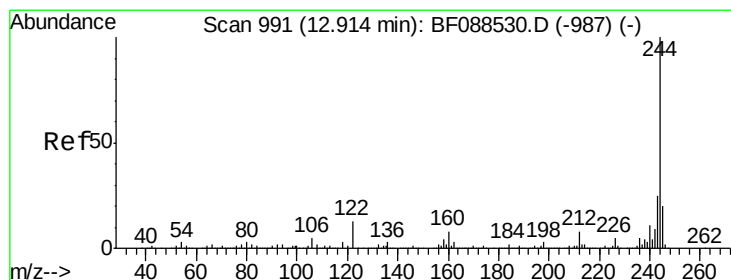
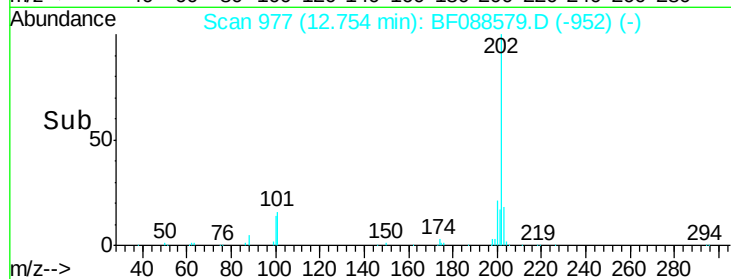
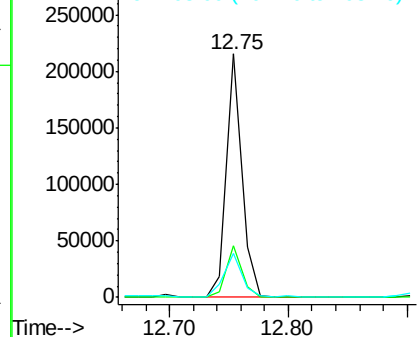
#77
Pvrene
Concen: 7.42 ng
RT: 12.75 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF088579.D
Acq: 1 Jul 2016 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 194833
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 18.1 14.5 21.7

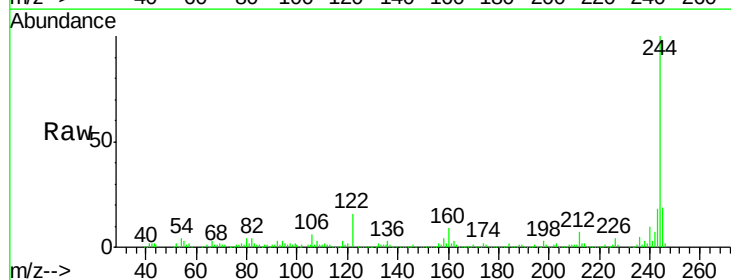


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

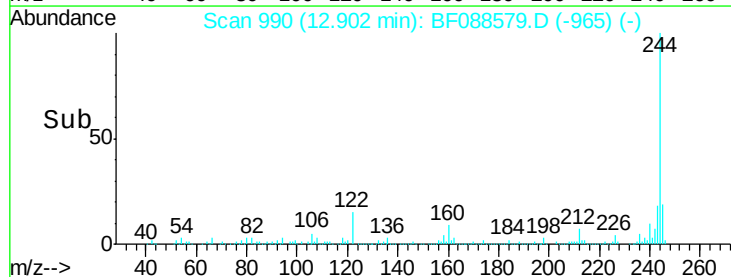
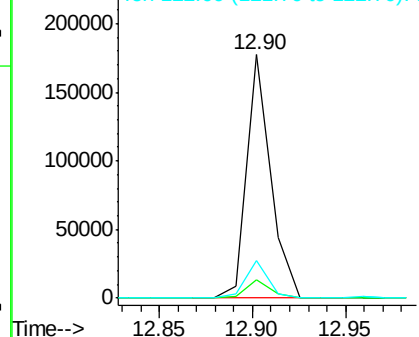


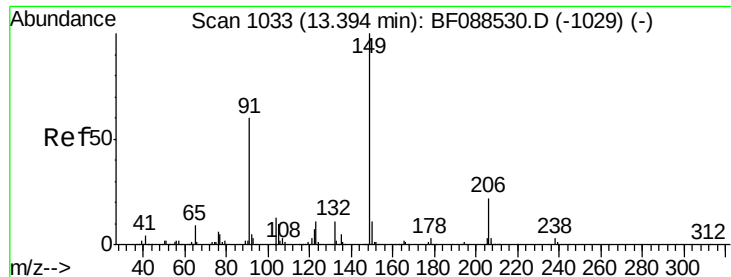
#78
Terphenyl-d14
Concen: 11.40 ng
RT: 12.90 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF088579.D
Acq: 1 Jul 2016 17:17

Tgt Ion:244 Resp: 158550
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 15.6 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





#79

Butylbenzylphthalate

Concen: 2.17 ng

RT: 13.38 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

Instrument :

BNA_F

ClientSampleId :

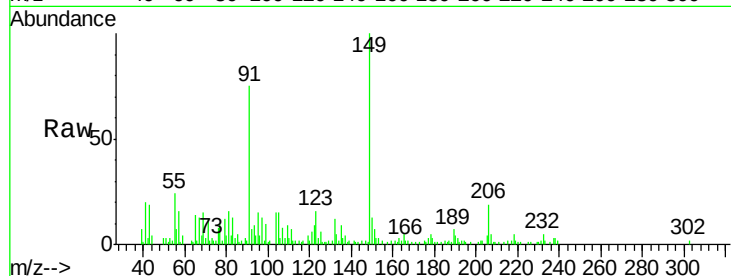
Tot Ion:149 Resp: 25412

Ion Ratio Lower Upper

149 100

91 75.1 48.0 72.0#

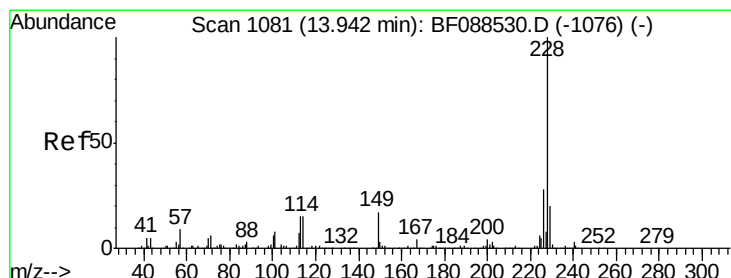
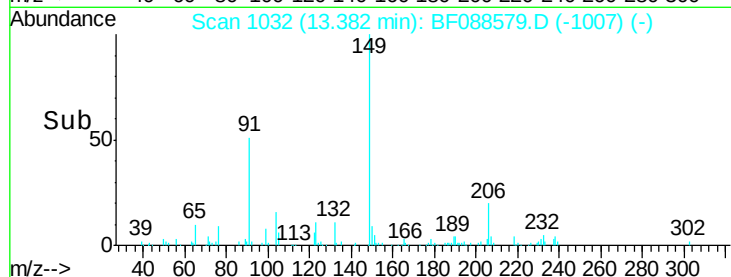
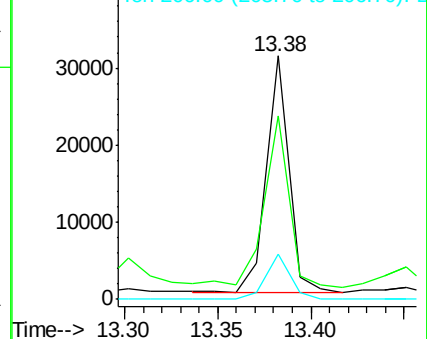
206 18.6 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 4.65 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

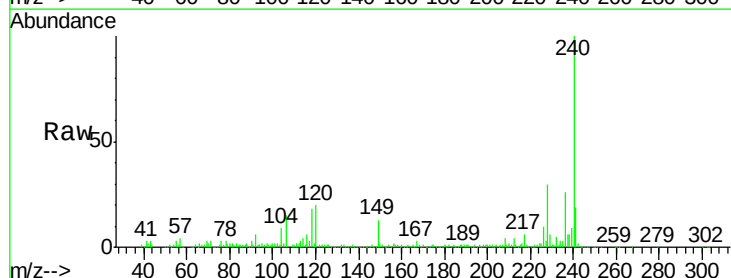
Tgt Ion:228 Resp: 92642

Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

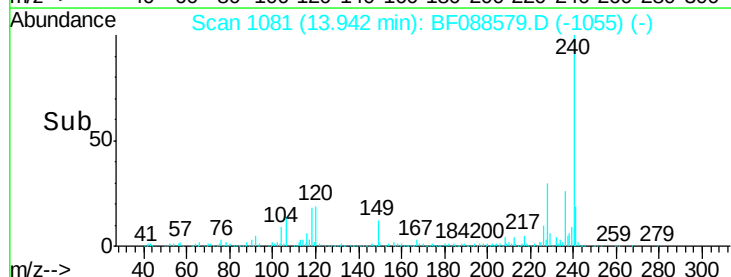
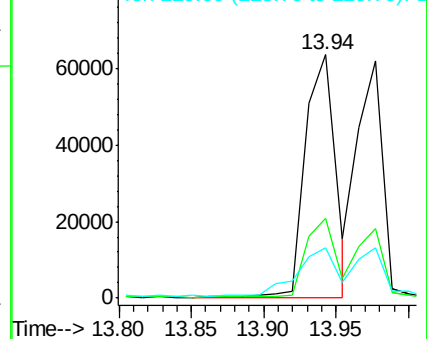
229 20.7 16.0 24.0

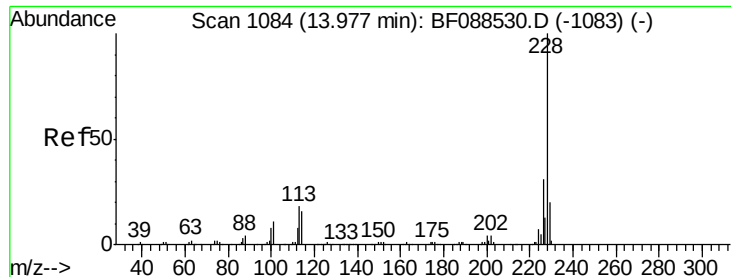


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.70 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

Instrument :

BNA_F

ClientSampleId :

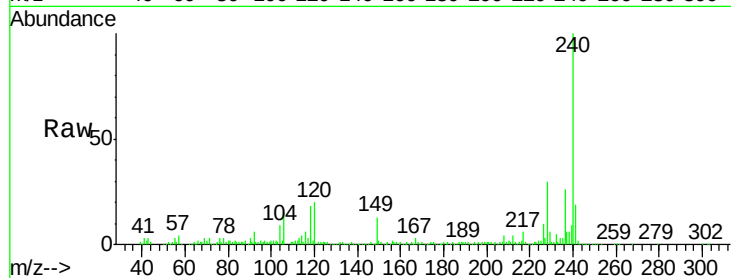
Tot Ion:228 Resp: 92642

Ion Ratio Lower Upper

228 100

226 32.9 25.4 38.2

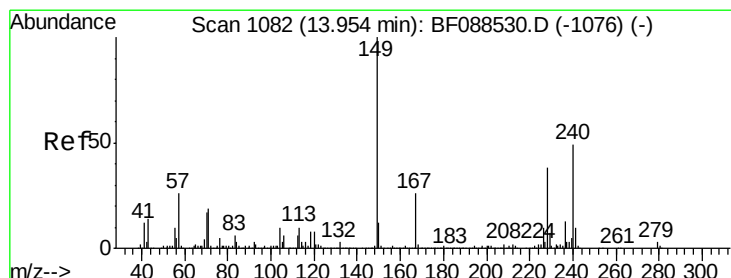
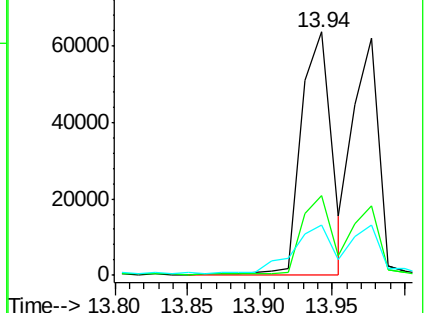
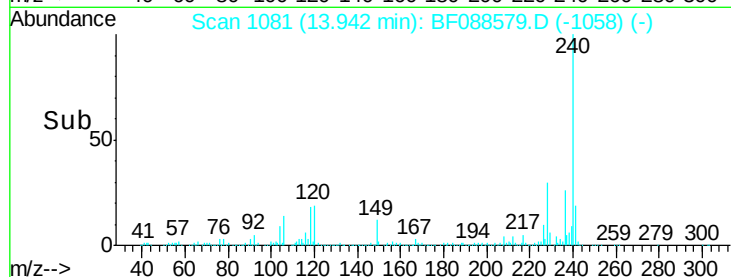
229 20.7 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

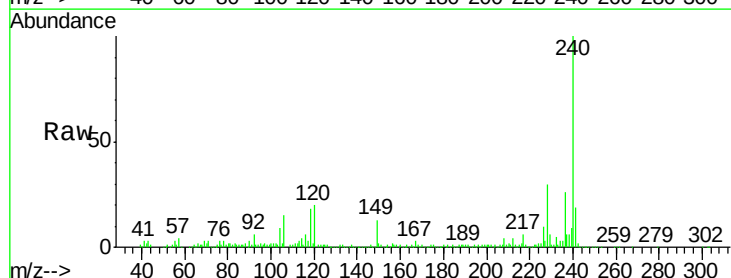
Tgt Ion:149 Resp: 40164

Ion Ratio Lower Upper

149 100

167 27.1 20.5 30.7

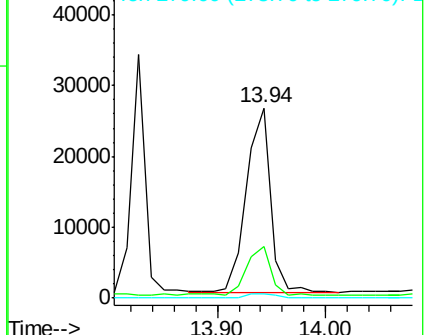
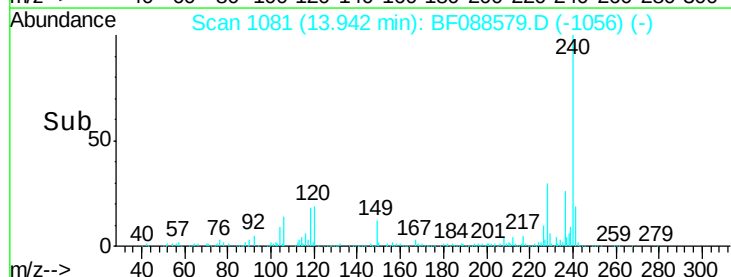
279 2.3 2.0 3.0

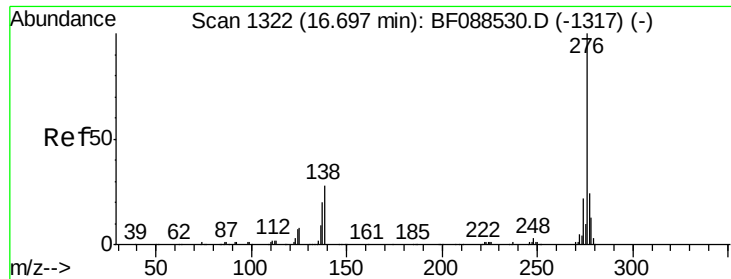


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

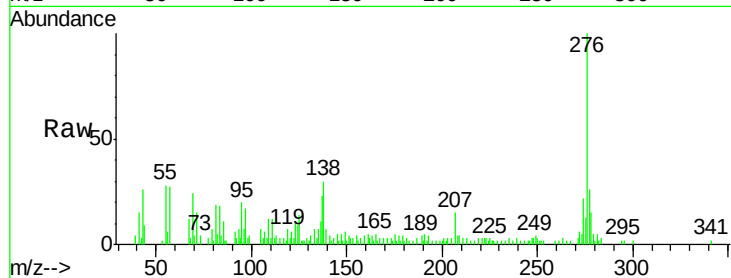




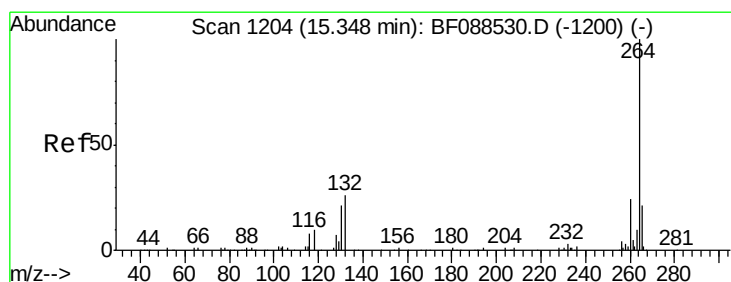
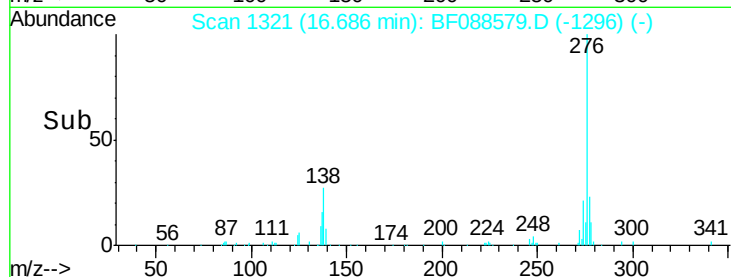
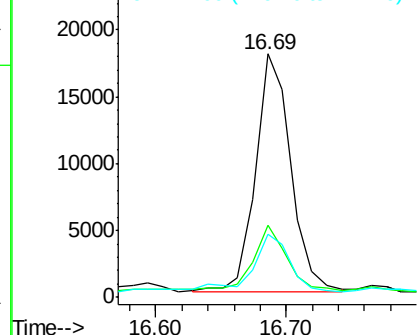
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.22 ng
RT: 16.69 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF088579.D
Acq: 1 Jul 2016 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	0.0	0.0#
277	27.5	0.0	0.0#

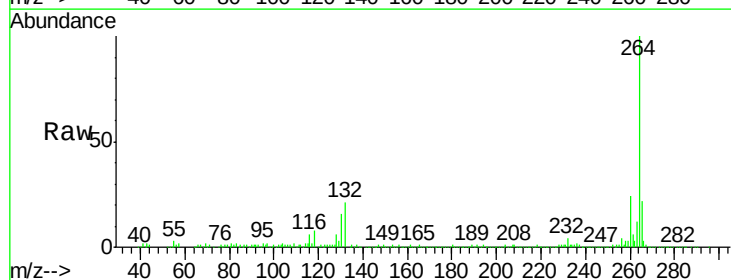


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

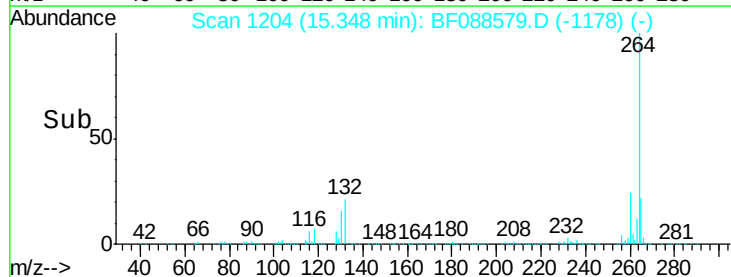
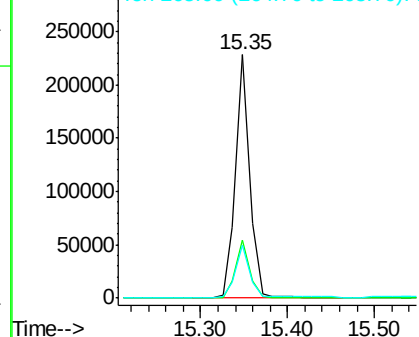


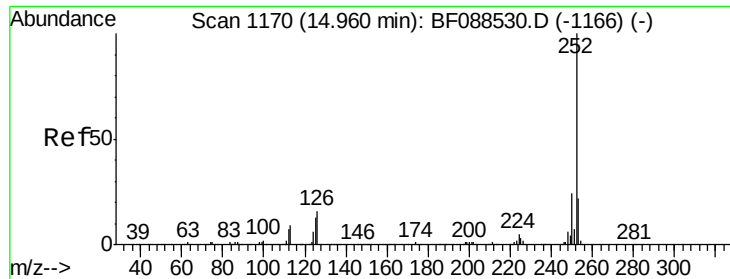
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF088579.D
Acq: 1 Jul 2016 17:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	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: 7.60 ng

RT: 14.95 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF088579.D

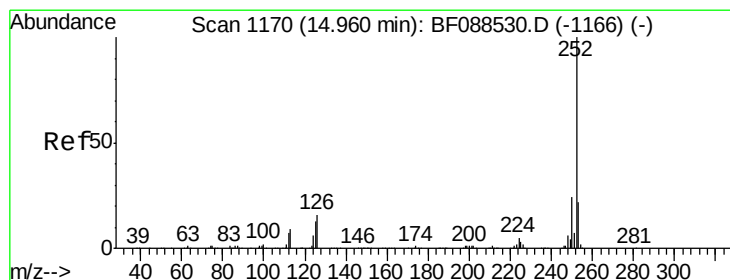
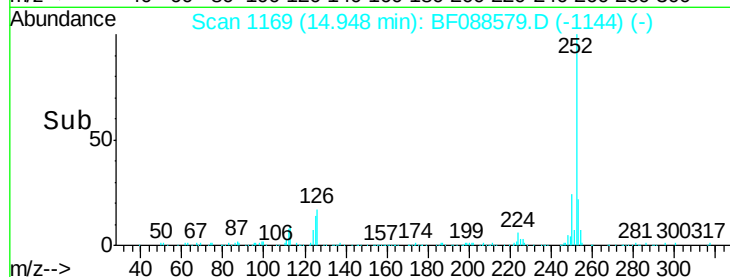
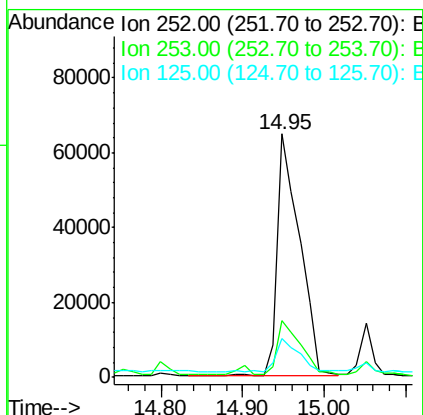
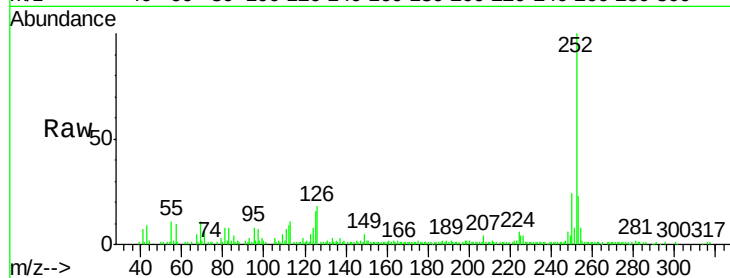
Acq: 1 Jul 2016 17:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	124285
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.4 26.2
125	16.0	7.1 10.7#



#88

Benzo(k)fluoranthene

Concen: 8.73 ng

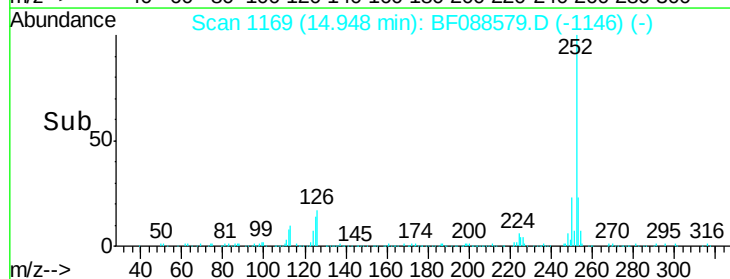
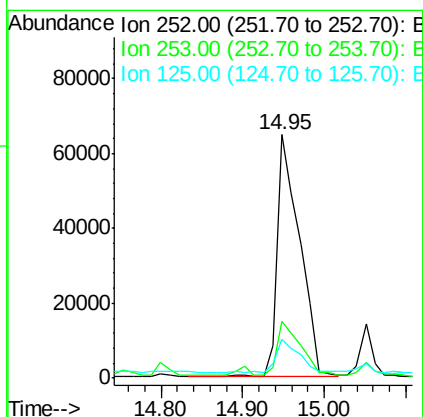
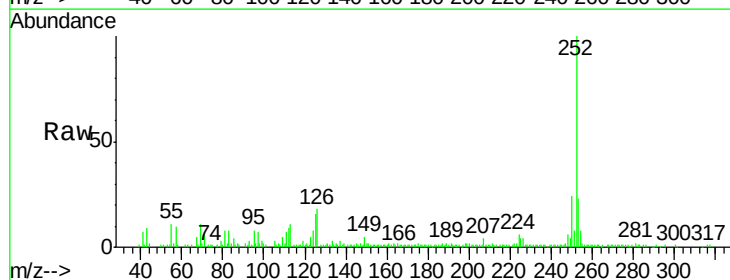
RT: 14.95 min Scan# 1169

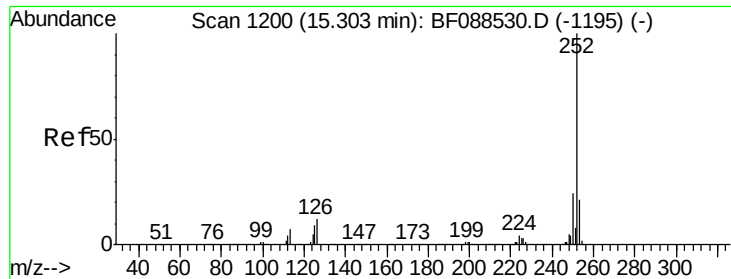
Delta R.T. -0.03 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

Tgt Ion:252	Resp:	124285
Ion Ratio	Lower	Upper
252	100	
253	23.4	18.0 27.0
125	16.0	11.2 16.8





#89

Benzo(a)pyrene

Concen: 4.62 ng

RT: 15.29 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

Instrument :

BNA_F

ClientSampleId :

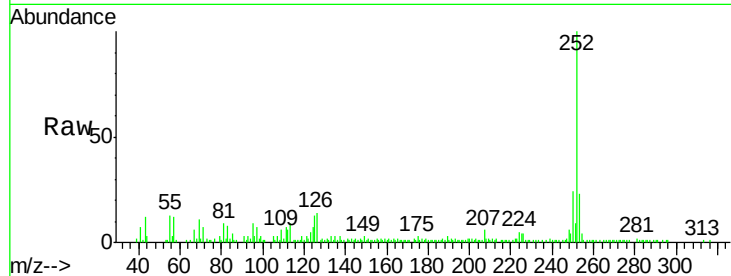
Tot Ion:252 Resp: 63957

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

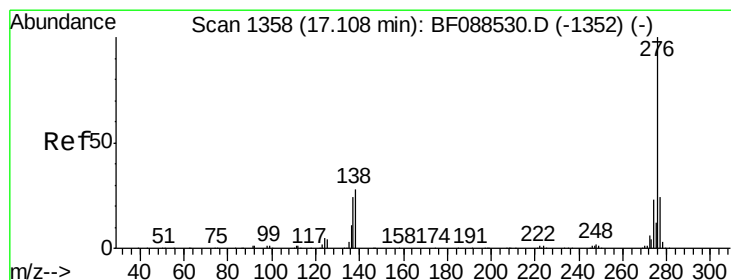
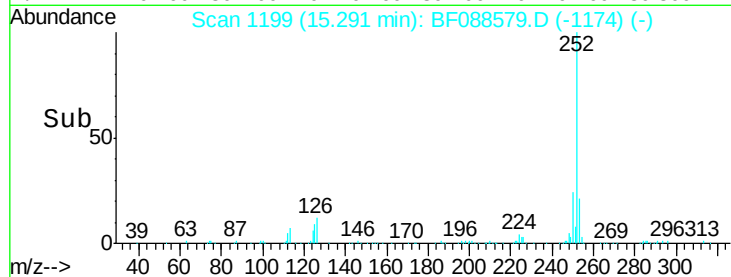
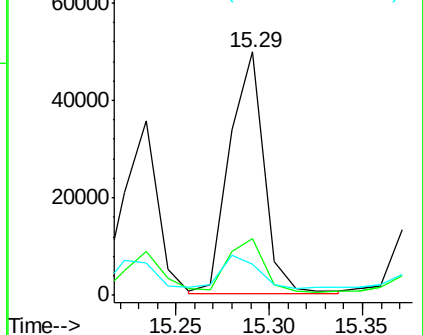
125 12.8 12.5 18.7



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(g,h,i)perylene

Concen: 2.94 ng

RT: 17.10 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF088579.D

Acq: 1 Jul 2016 17:17

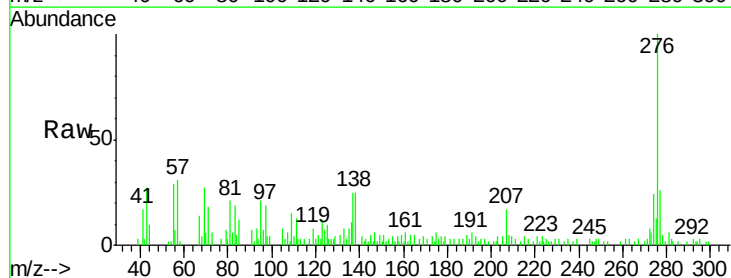
Tgt Ion:276 Resp: 35164

Ion Ratio Lower Upper

276 100

277 25.6 18.9 28.3

138 25.0 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

