

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
 Data File : BF089578.D
 Acq On : 4 Aug 2016 4:24
 Operator : UM/SJ
 Sample : H4328-03 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 08:00:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 04 07:58:27 2016
 Response via : Initial Calibration

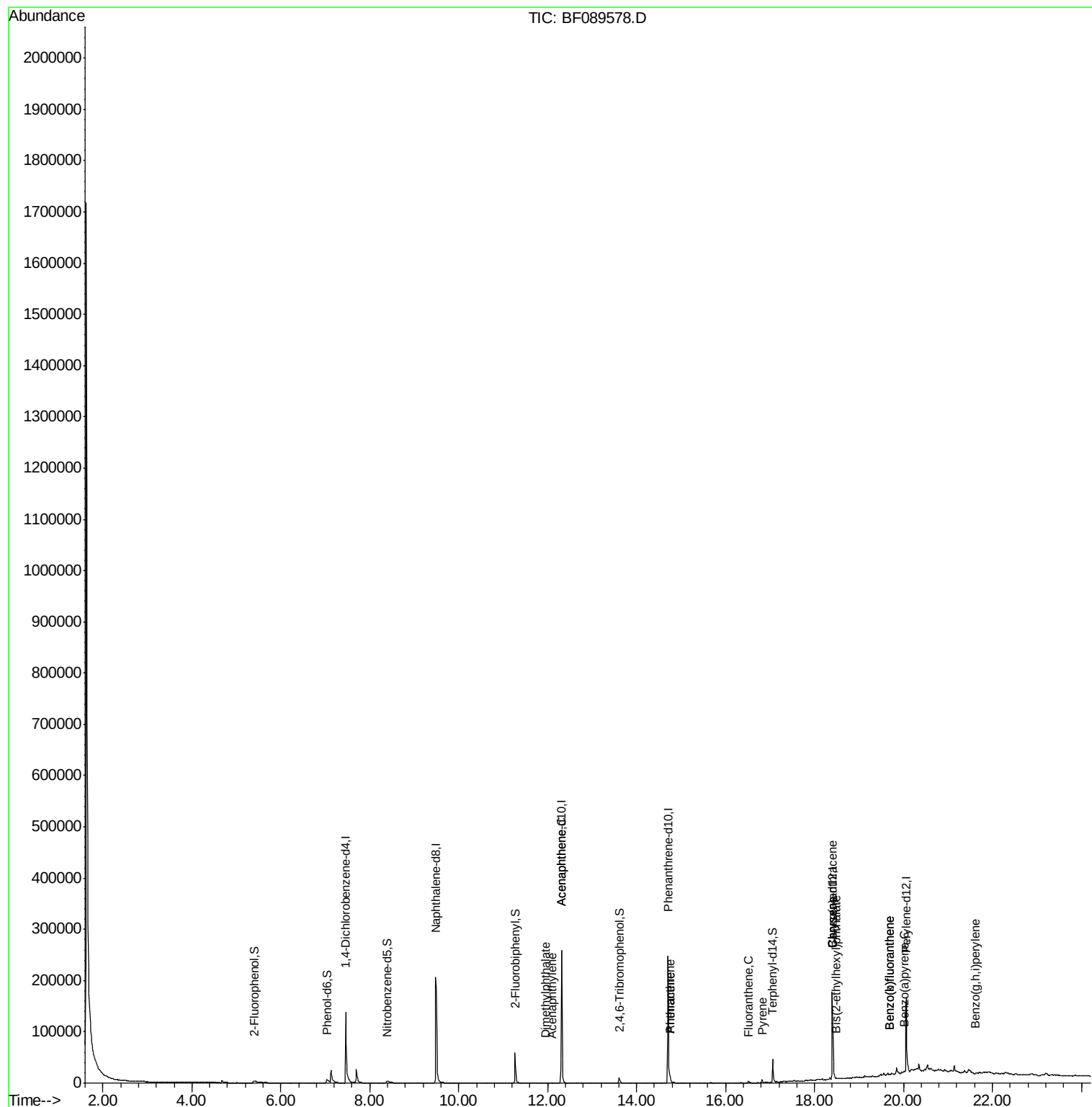
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	42515	20.00	ng	-0.01
21) Naphthalene-d8	9.48	136	188360	20.00	ng	-0.01
38) Acenaphthene-d10	12.31	164	87896	20.00	ng	-0.01
63) Phenanthrene-d10	14.71	188	156181	20.00	ng	-0.01
75) Chrysene-d12	18.40	240	89993	20.00	ng	-0.01
86) Perylene-d12	20.07	264	86717	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	11535	4.57	ng	0.06
7) Phenol-d6	7.04	99	20298	5.93	ng	0.03
23) Nitrobenzene-d5	8.40	82	12826	3.77	ng	0.02
41) 2,4,6-Tribromophenol	13.61	330	3922	5.62	ng	0.00
44) 2-Fluorobiphenyl	11.27	172	34438	5.09	ng	-0.01
78) Terphenyl-d14	17.06	244	24489	5.46	ng	-0.01
Target Compounds						
48) Acenaphthylene	12.10	152	282	0.03	ng	# 60
49) Dimethylphthalate	11.96	163	1364	0.20	ng	# 77
51) Acenaphthene	12.31	154	208	0.04	ng	# 4
70) Phenanthrene	14.75	178	2637	0.32	ng	# 60
71) Anthracene	14.75	178	2637	0.29	ng	# 61
74) Fluoranthene	16.53	202	3697	0.44	ng	86
77) Pyrene	16.82	202	4896	0.61	ng	98
80) Benzo(a)anthracene	18.40	228	1749	0.33	ng	# 63
82) Chrysene	18.40	228	1749	0.32	ng	# 69
83) Bis(2-ethylhexyl)phthalate	18.49	149	524	0.13	ng	# 55
85) Indeno(1,2,3-cd)pyrene	21.29	276	258	Below Cal		# 47
87) Benzo(b)fluoranthene	19.68	252	2227	0.42	ng	# 30
88) Benzo(k)fluoranthene	19.68	252	2227	0.43	ng	# 29
89) Benzo(a)pyrene	20.02	252	1489	0.30	ng	# 25
91) Benzo(a,h,i)perylene	21.62	276	700	0.14	ng	# 50

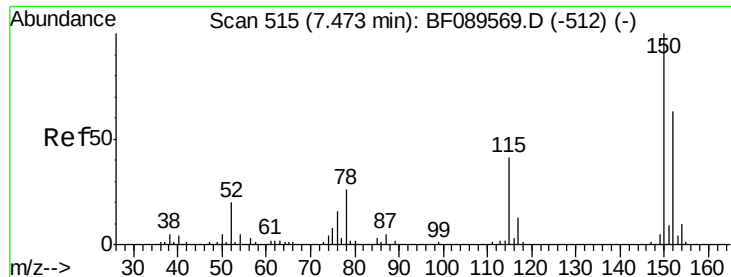
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
Data File : BF089578.D
Acq On : 4 Aug 2016 4:24
Operator : UM/SJ
Sample : H4328-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 04 08:00:56 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 04 07:58:27 2016
Response via : Initial Calibration

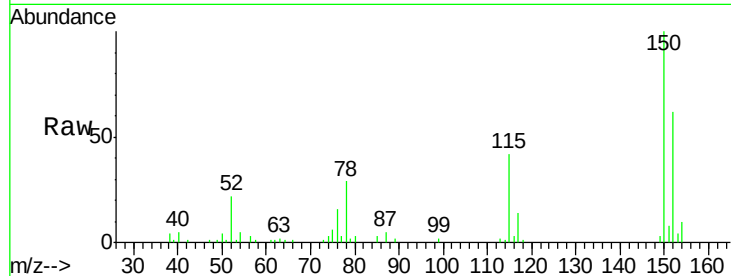




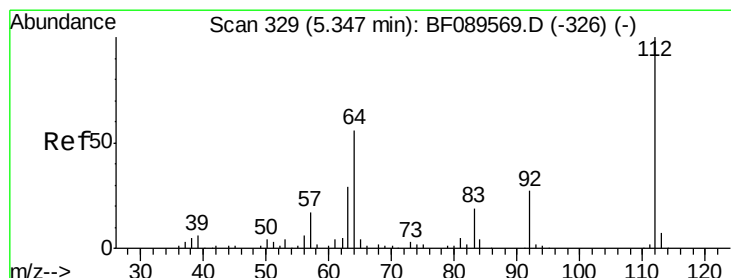
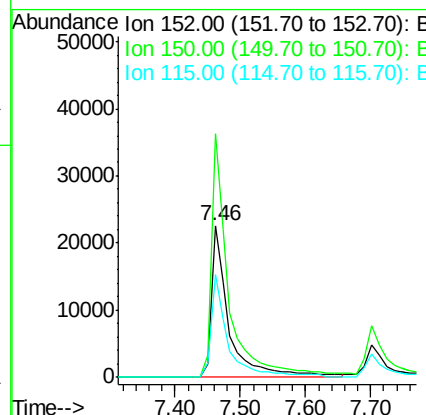
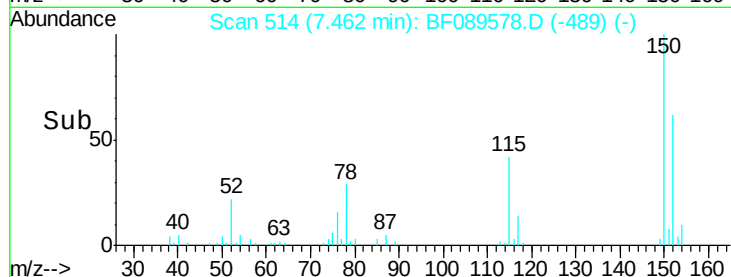
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.46 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 42515
 Ion Ratio Lower Upper
 152 100
 150 160.7 127.4 191.2
 115 68.2 51.8 77.8

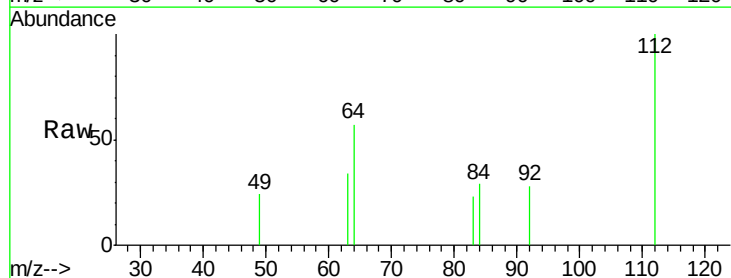


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

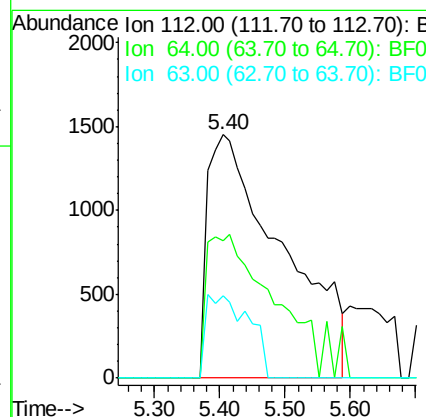
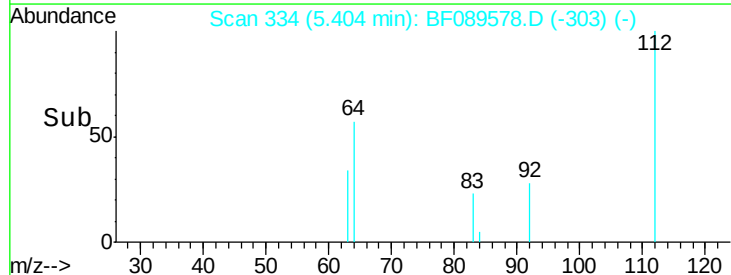


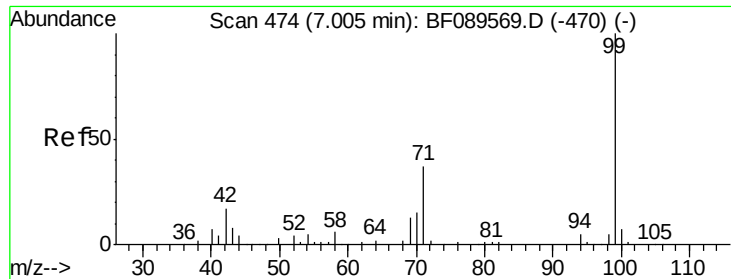
#5
 2-Fluorophenol
 Concen: 4.57 ng
 RT: 5.40 min Scan# 334
 Delta R.T. 0.06 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

Tgt Ion:112 Resp: 11535
 Ion Ratio Lower Upper
 112 100
 64 56.5 45.2 67.8
 63 34.0 23.1 34.7



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: 5.93 ng

RT: 7.04 min Scan# 477

Delta R.T. 0.03 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

Instrument :

BNA_F

ClientSampleId :

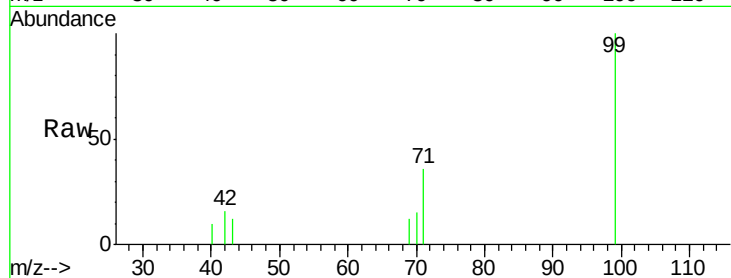
Tot Ion: 99 Resp: 20298

Ion Ratio Lower Upper

99 100

42 15.9 13.9 20.9

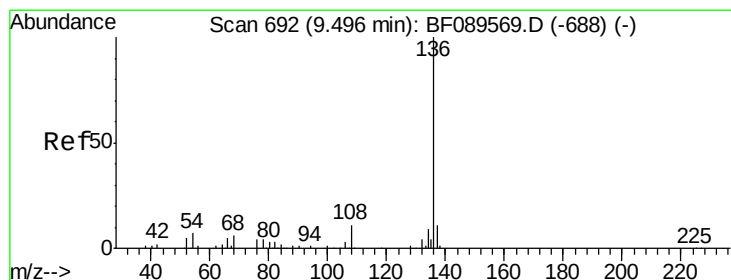
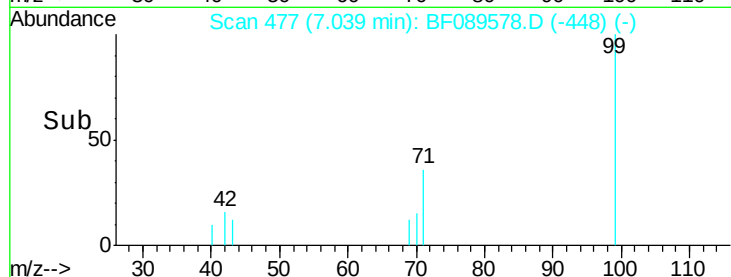
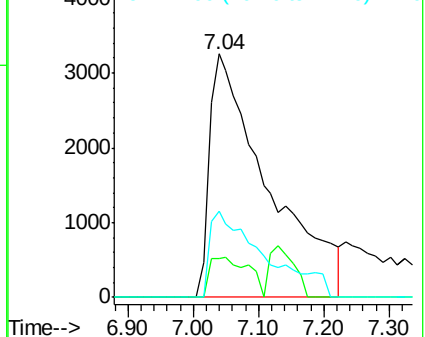
71 35.6 29.3 43.9



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: 9.48 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

Tgt Ion: 136 Resp: 188360

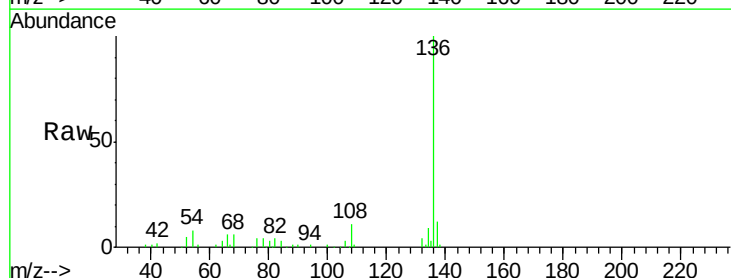
Ion Ratio Lower Upper

136 100

137 11.6 8.8 13.2

54 8.4 5.9 8.9

68 6.3 4.5 6.7

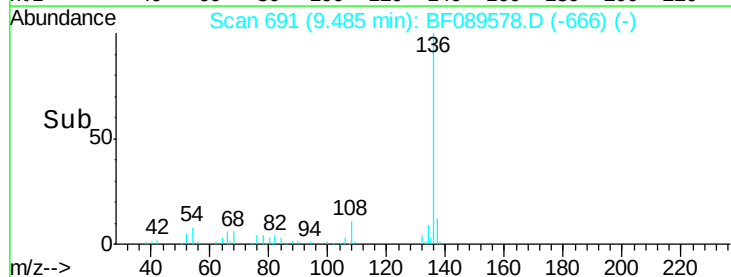
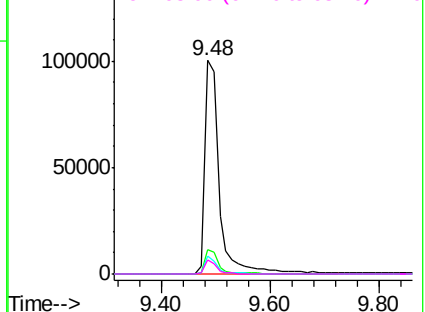


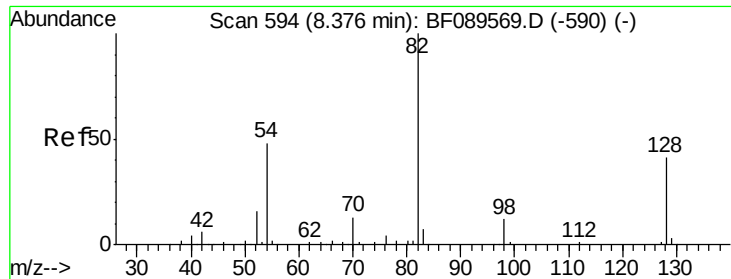
Abundance Ion 136.00 (135.70 to 136.70): E

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

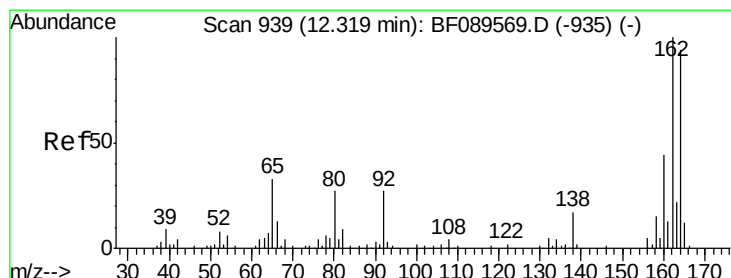
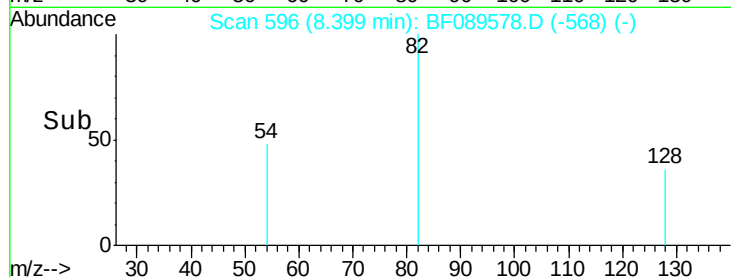
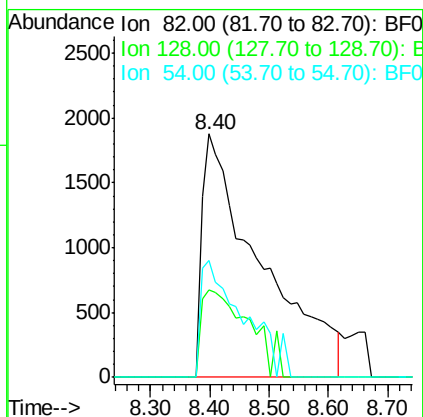
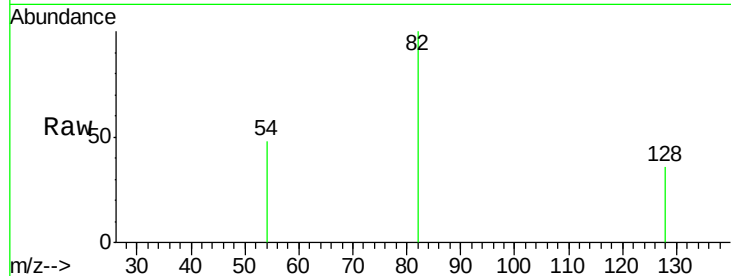




#23
 Nitrobenzene-d5
 Concen: 3.77 ng
 RT: 8.40 min Scan# 596
 Delta R.T. 0.02 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

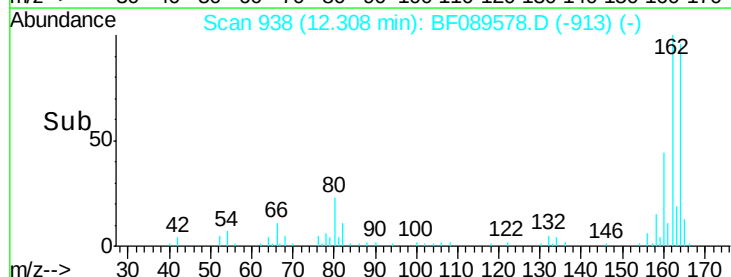
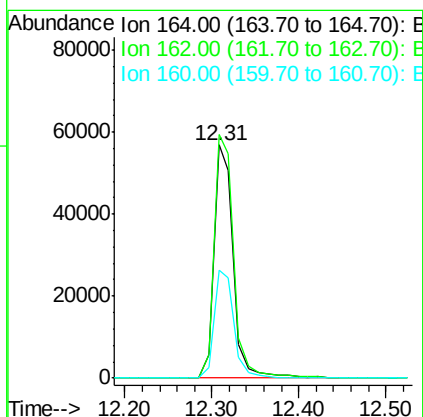
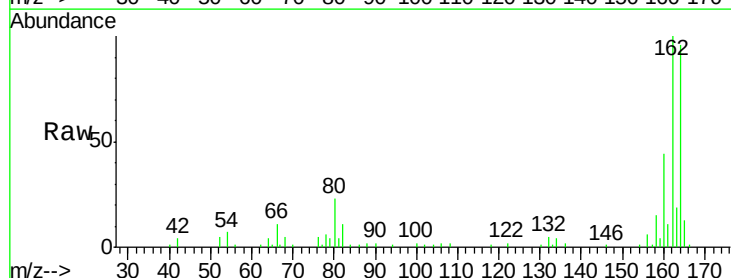
Instrument :
 BNA_F
 ClientSampleID :

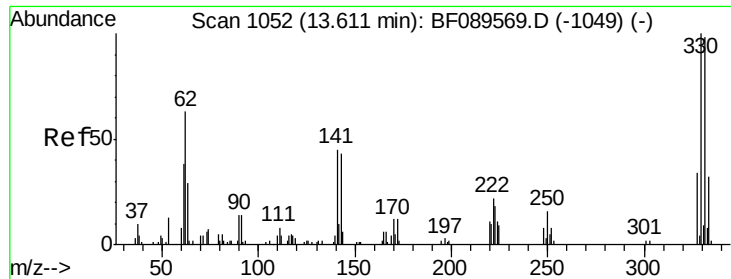
Tot Ion	82	Resp	12826
Ion	Ratio	Lower	Upper
82	100		
128	35.8	32.4	48.6
54	48.1	38.6	58.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.31 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

Tgt Ion	164	Resp	87896
Ion	Ratio	Lower	Upper
164	100		
162	104.5	85.4	128.2
160	46.4	37.3	55.9

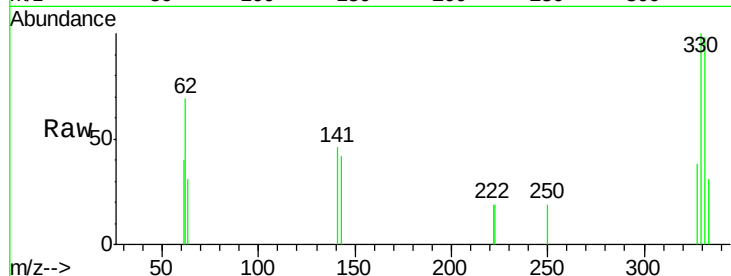




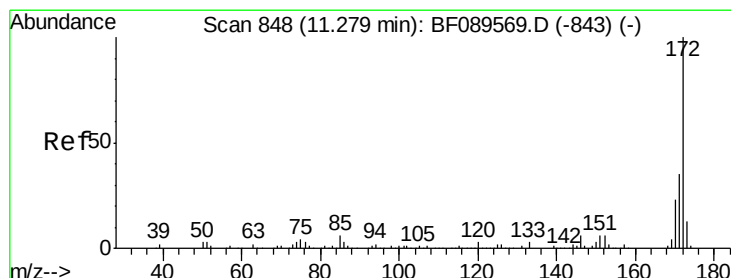
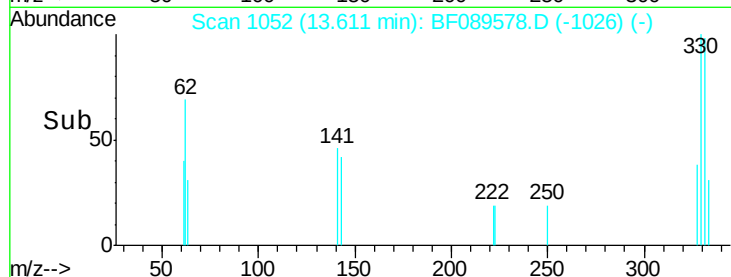
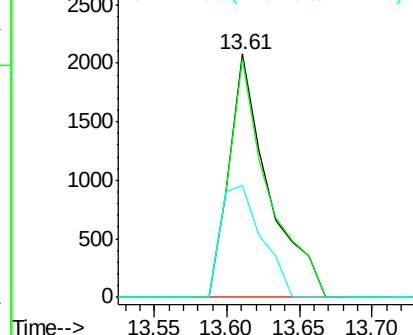
#41
 2,4,6-Tribromophenol
 Concen: 5.62 ng
 RT: 13.61 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 3922
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.7 115.1
 141 47.9 40.3 60.5

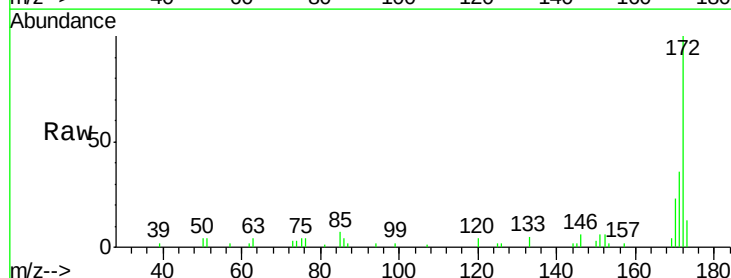


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

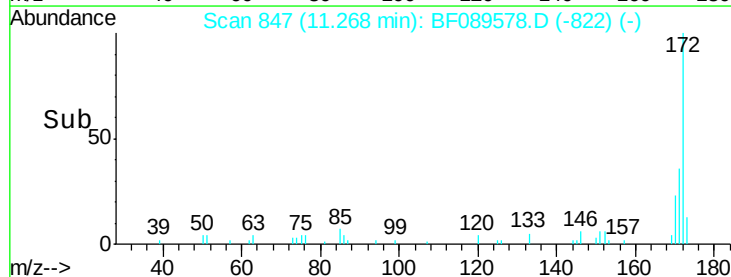
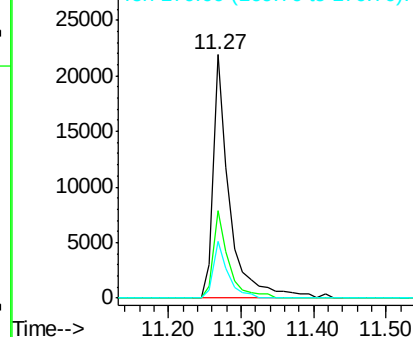


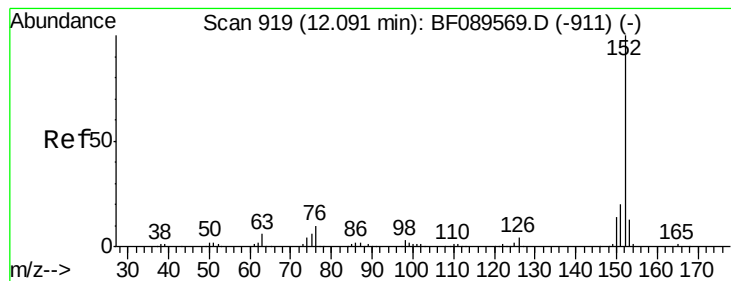
#44
 2-Fluorobiphenyl
 Concen: 5.09 ng
 RT: 11.27 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

Tgt Ion:172 Resp: 34438
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.1 42.1
 170 23.5 18.6 28.0



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





#48

Acenaphthylene

Concen: 0.03 ng

RT: 12.10 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

Instrument :

BNA_F

ClientSampleId :

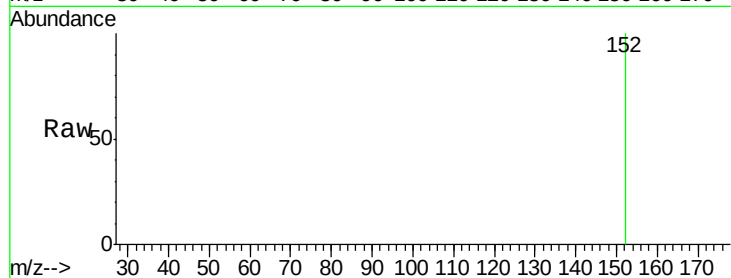
Tot Ion:152 Resp: 282

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

153 0.0 10.6 15.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

12.10

400

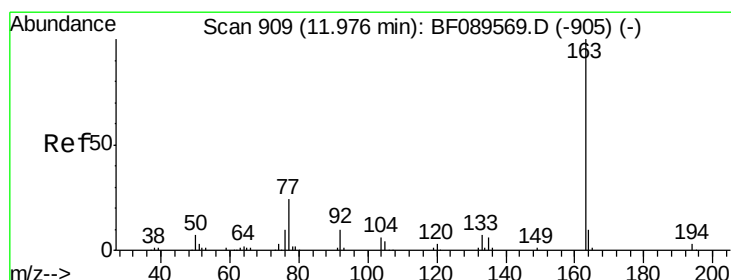
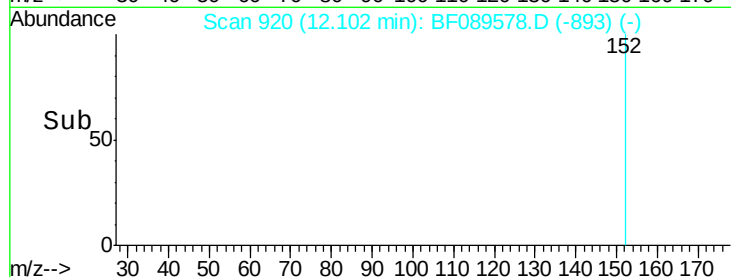
300

200

100

0

Time-->



#49

Dimethylphthalate

Concen: 0.20 ng

RT: 11.96 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

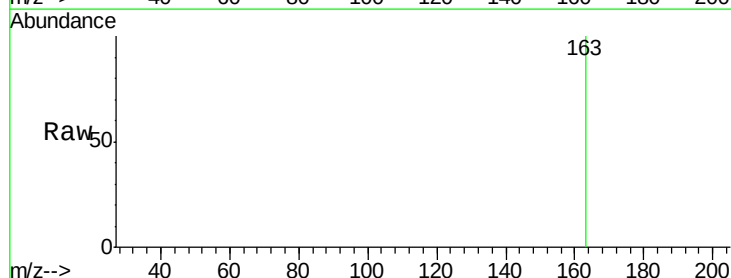
Tgt Ion:163 Resp: 1364

Ion Ratio Lower Upper

163 100

194 0.0 2.4 3.6#

164 0.0 8.2 12.4#



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

11.96

1200

1000

800

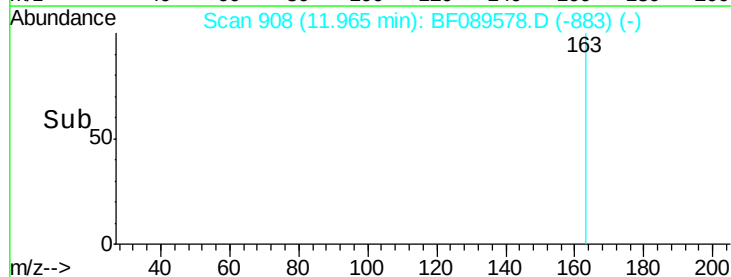
600

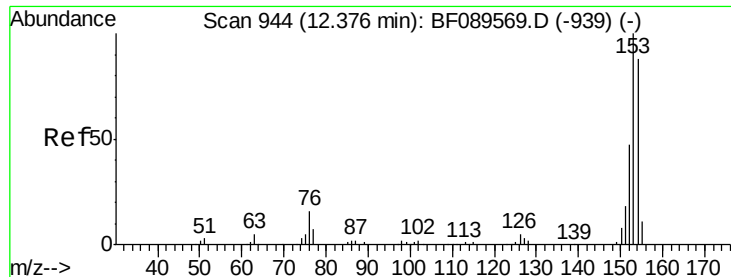
400

200

0

Time-->





#51

Acenaphthene

Concen: 0.04 ng

RT: 12.31 min Scan# 938

Delta R.T. -0.07 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

Instrument :

BNA_F

ClientSampleId :

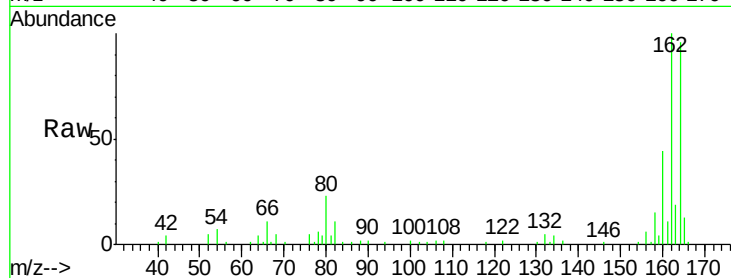
Tot Ion:154 Resp: 208

Ion Ratio Lower Upper

154 100

153 0.0 91.2 136.8#

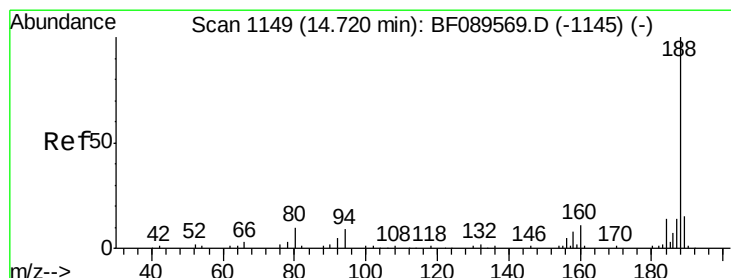
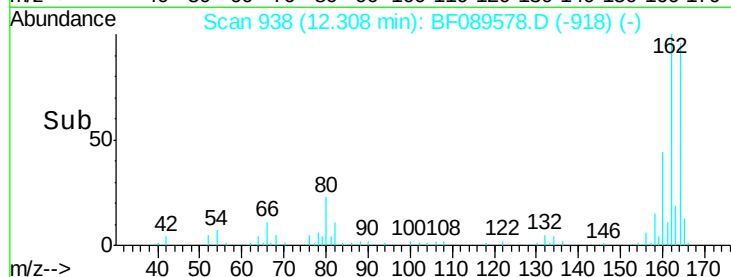
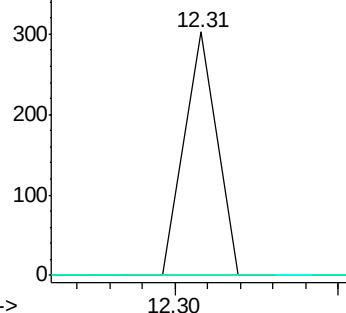
152 0.0 43.1 64.7#



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: 14.71 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

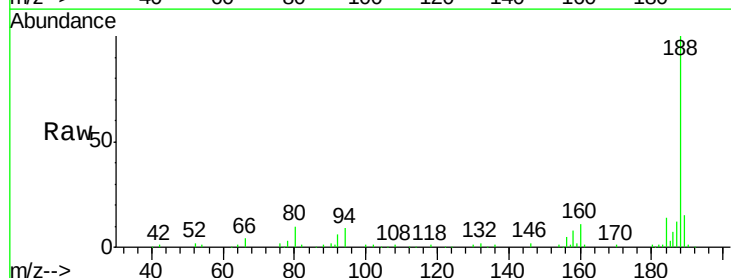
Tgt Ion:188 Resp: 156181

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

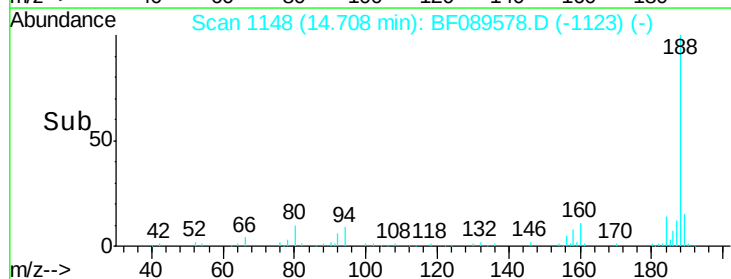
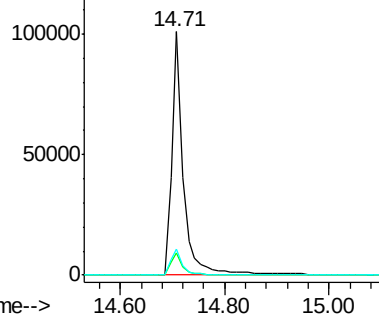
80 10.5 7.7 11.5

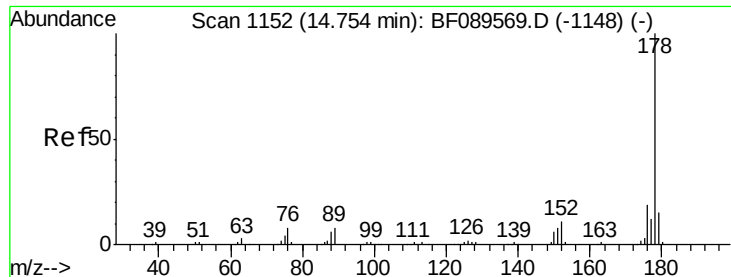


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 0.32 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

Instrument :

BNA_F

ClientSampleId :

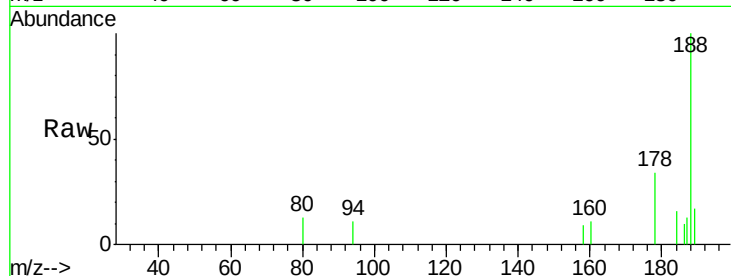
Tot Ion:178 Resp: 2637

Ion Ratio Lower Upper

178 100

176 0.0 15.2 22.8#

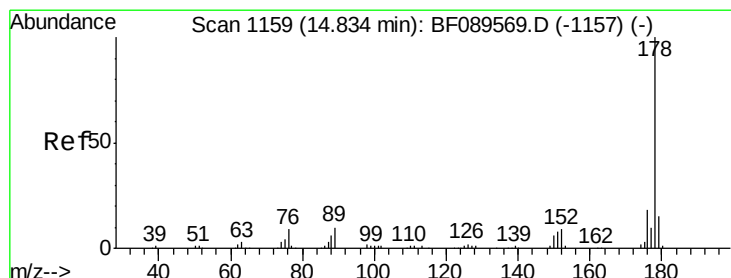
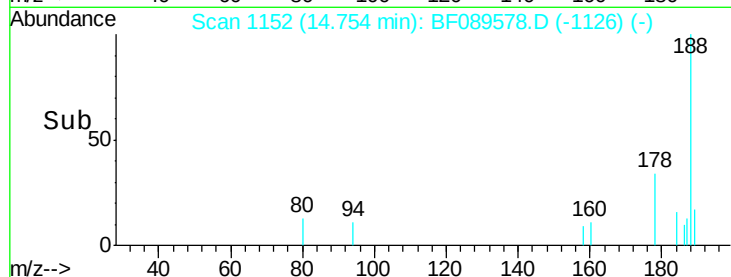
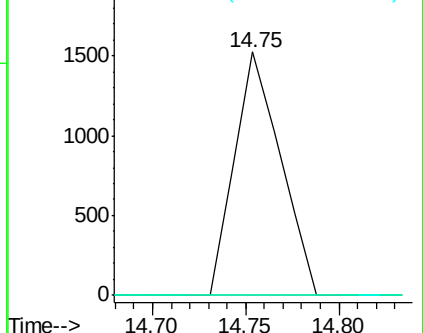
179 0.0 12.2 18.4#



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: 0.29 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.08 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

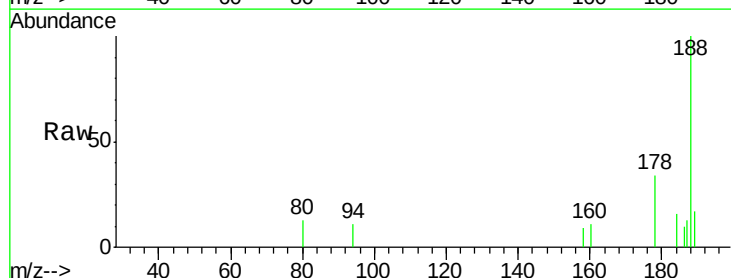
Tgt Ion:178 Resp: 2637

Ion Ratio Lower Upper

178 100

176 0.0 14.7 22.1#

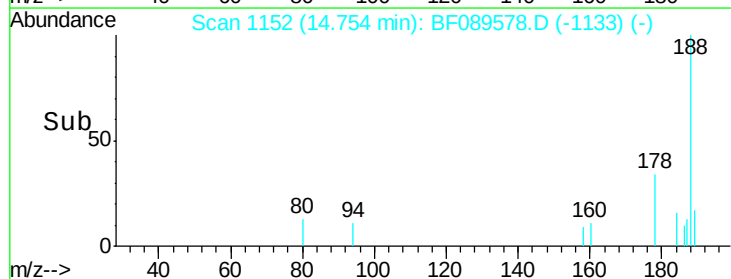
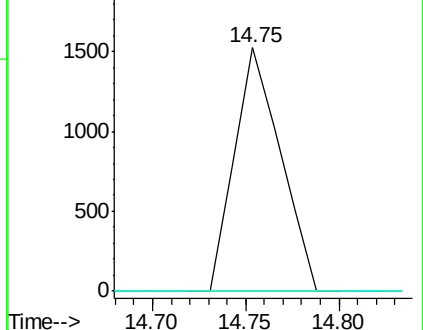
179 0.0 12.2 18.2#

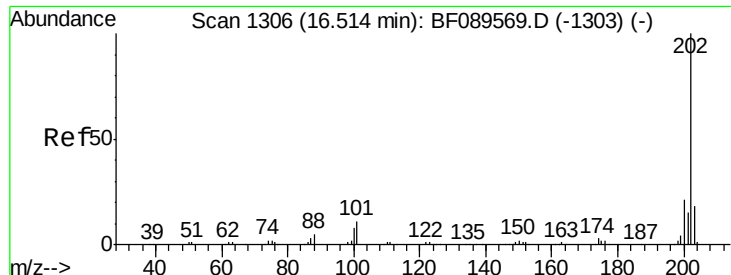


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

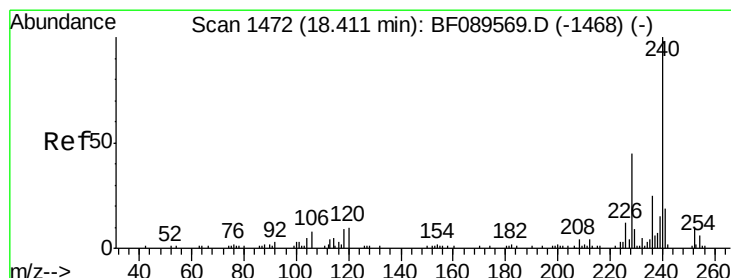
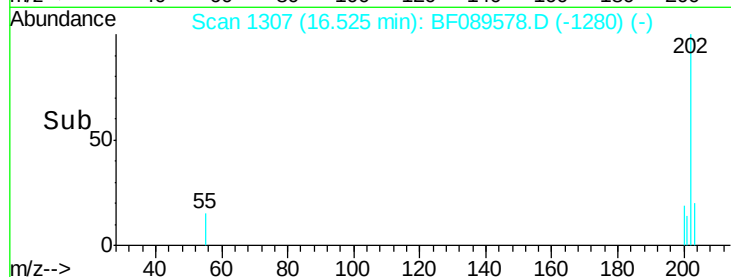
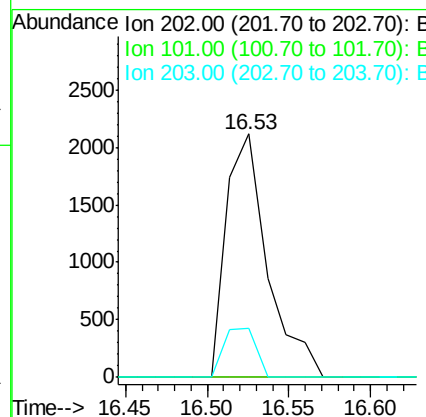
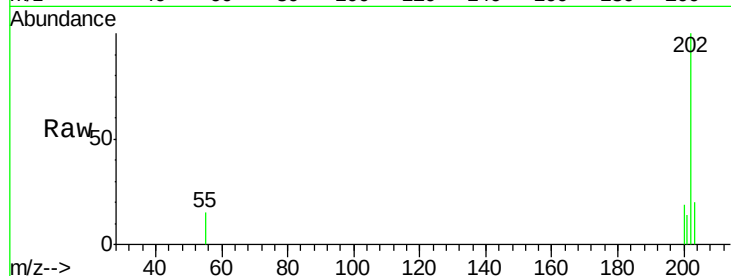




#74
 Fluoranthene
 Concen: 0.44 ng
 RT: 16.53 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

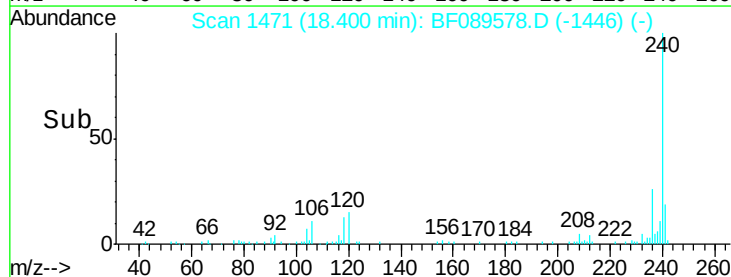
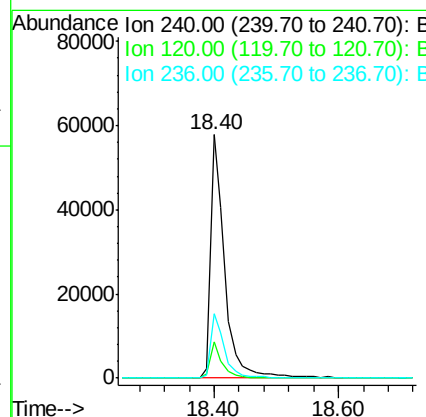
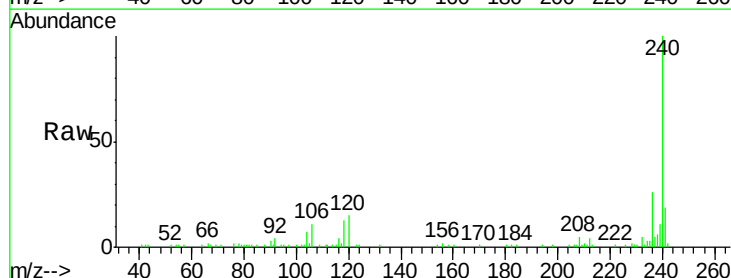
Instrument :
 BNA_F
 ClientSampled :

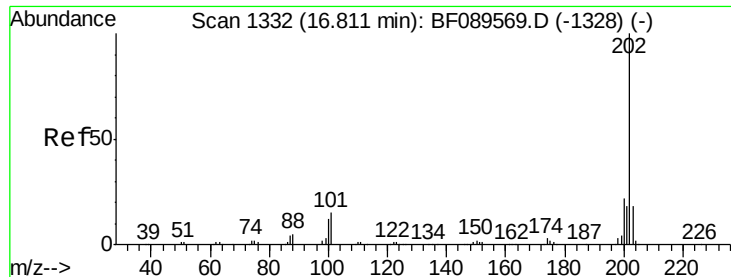
Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.0
203	20.0	0.0	37.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.40 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.7	8.2	12.2#
236	26.5	20.3	30.5

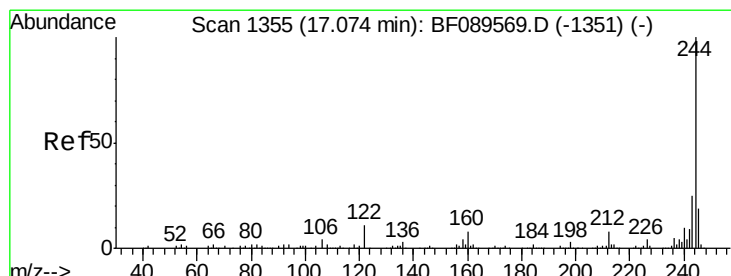
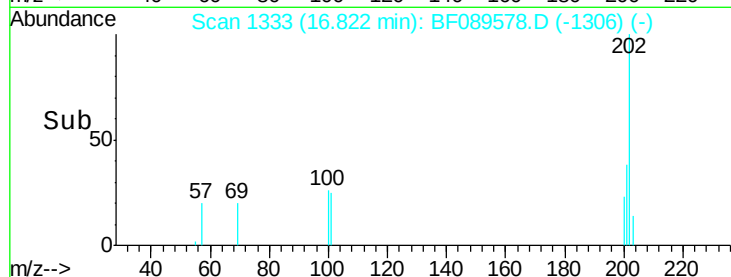
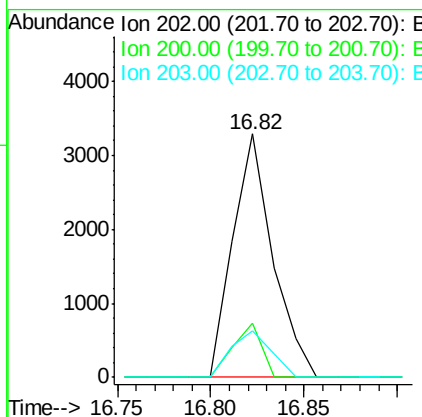
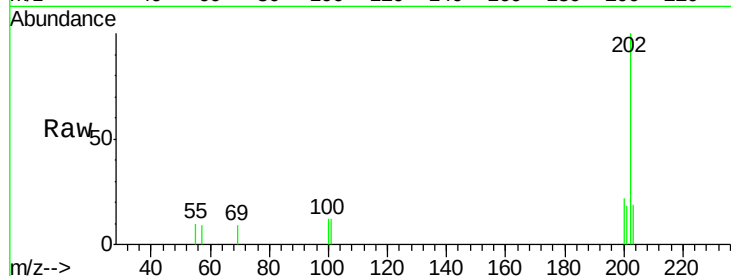




#77
 Pvrene
 Concen: 0.61 ng
 RT: 16.82 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

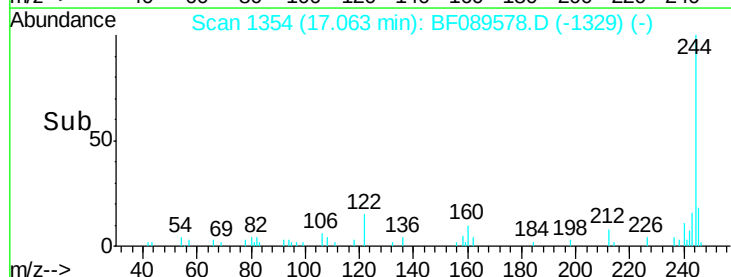
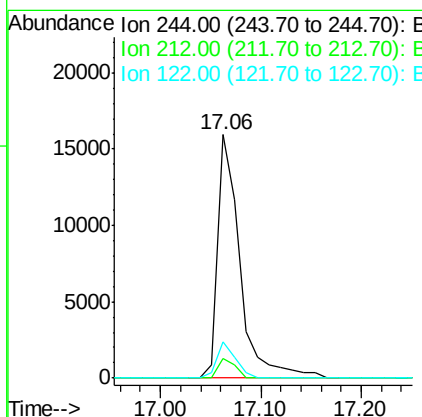
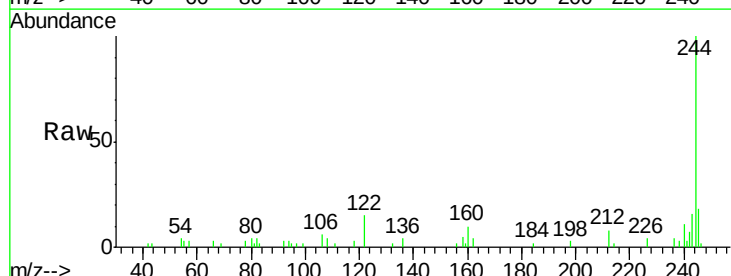
Instrument :
 BNA_F
 ClientSampleId :

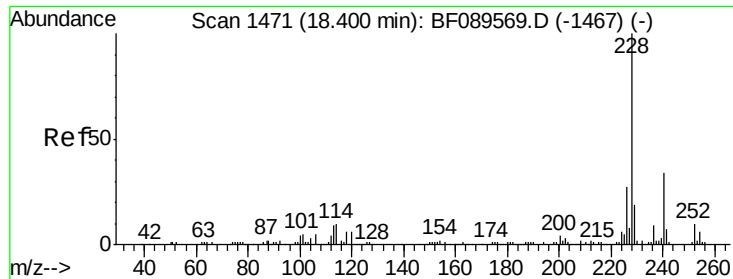
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.2	25.8
203	19.0	14.2	21.2



#78
 Terphenyl-d14
 Concen: 5.46 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: BF089578.D
 Acq: 4 Aug 2016 4:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	15.0	8.5	12.7

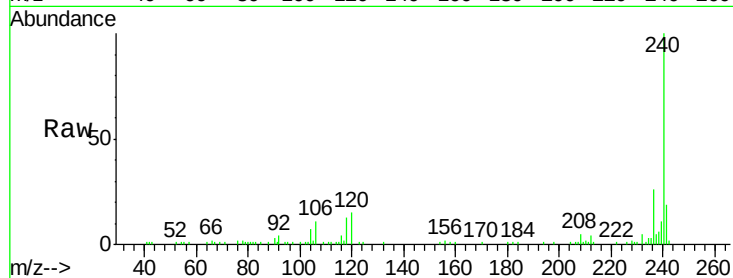




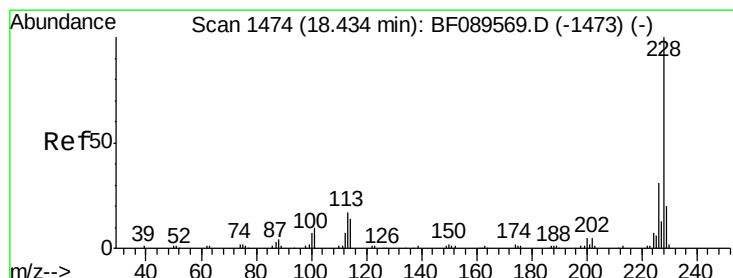
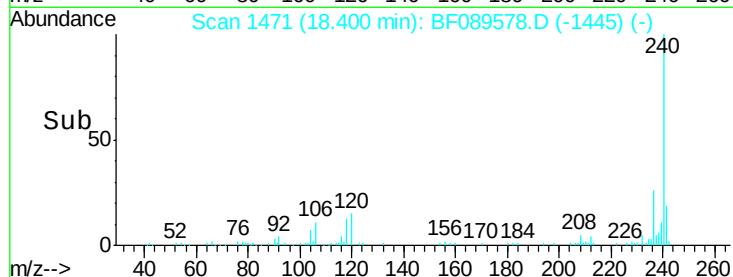
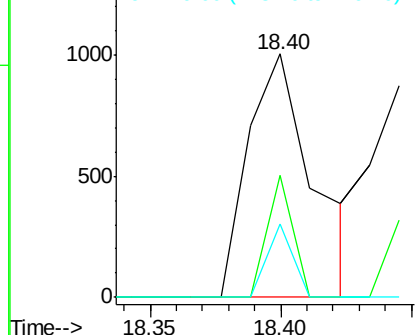
#80
Benzo(a)anthracene
Concen: 0.33 ng
RT: 18.40 min Scan# 1471
Delta R.T. -0.00 min
Lab File: BF089578.D
Acq: 4 Aug 2016 4:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 1749
Ion Ratio Lower Upper
228 100
226 50.0 21.5 32.3#
229 30.3 15.1 22.7#

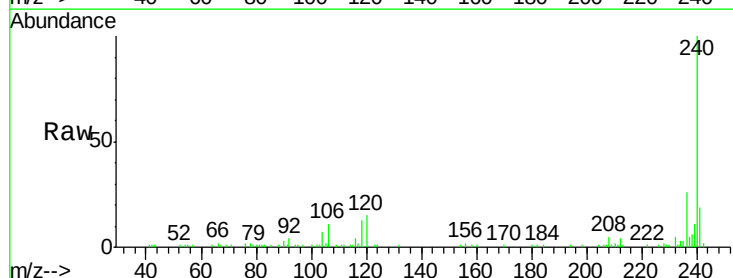


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

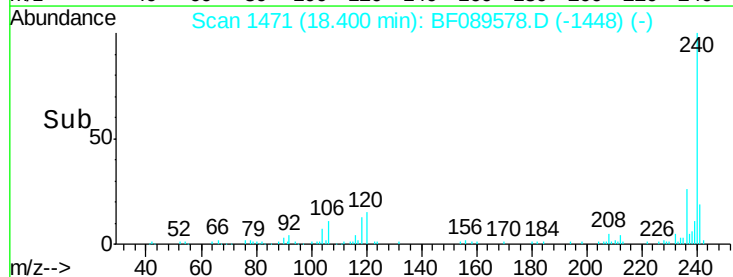
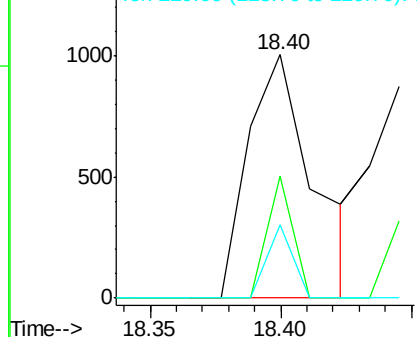


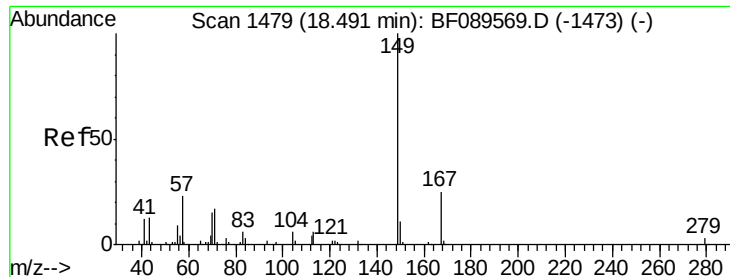
#82
Chrysene
Concen: 0.32 ng
RT: 18.40 min Scan# 1471
Delta R.T. -0.03 min
Lab File: BF089578.D
Acq: 4 Aug 2016 4:24

Tgt Ion:228 Resp: 1749
Ion Ratio Lower Upper
228 100
226 50.0 24.3 36.5#
229 30.3 15.7 23.5#



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: 0.13 ng

RT: 18.49 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

Instrument :

BNA_F

ClientSampleId :

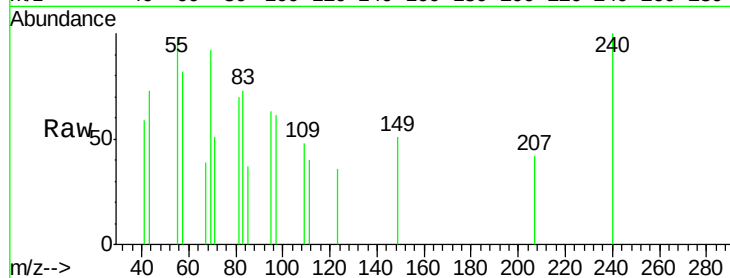
Tot Ion:149 Resp: 524

Ion Ratio Lower Upper

149 100

167 0.0 19.7 29.5#

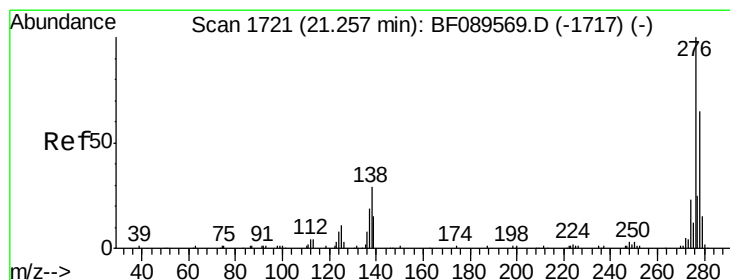
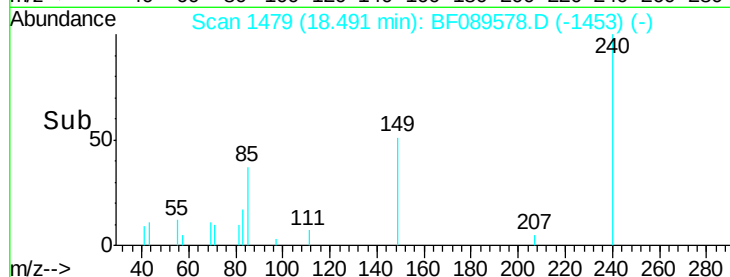
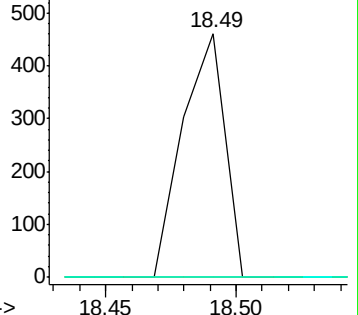
279 0.0 2.3 3.5#



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: Below Cal

RT: 21.29 min Scan# 1724

Delta R.T. 0.03 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

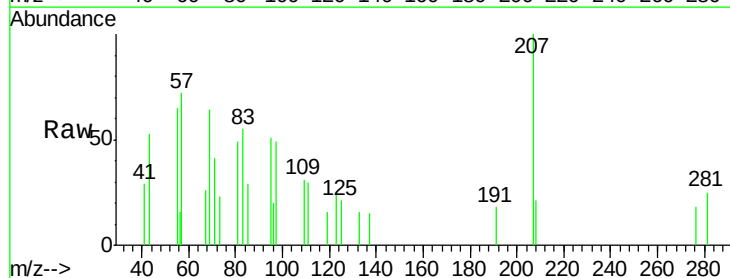
Tgt Ion:276 Resp: 258

Ion Ratio Lower Upper

276 100

138 0.0 23.5 35.3#

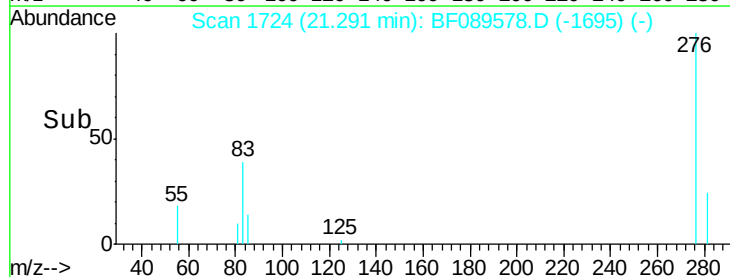
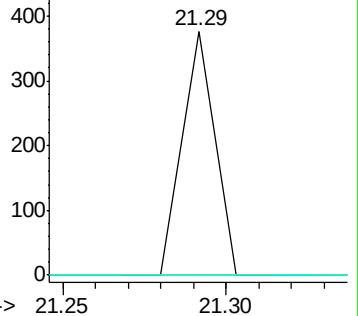
277 0.0 20.5 30.7#

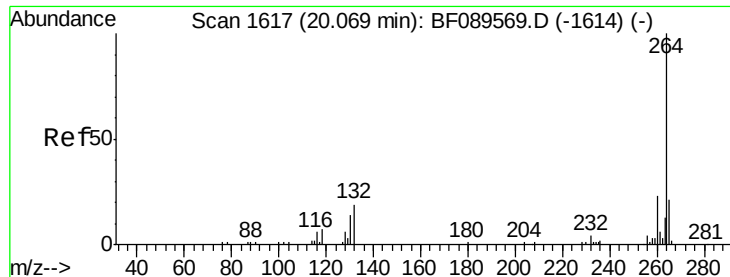


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.07 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

Instrument :

BNA_F

ClientSampleId :

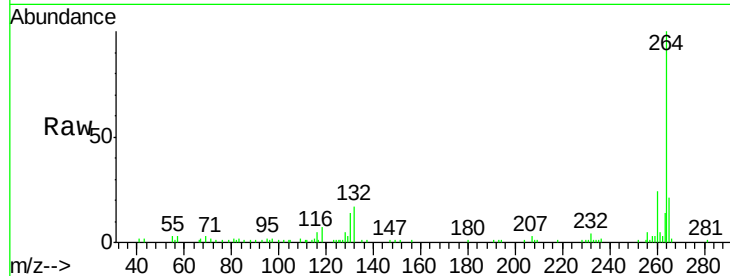
Tot Ion:264 Resp: 86717

Ion Ratio Lower Upper

264 100

260 23.8 18.5 27.7

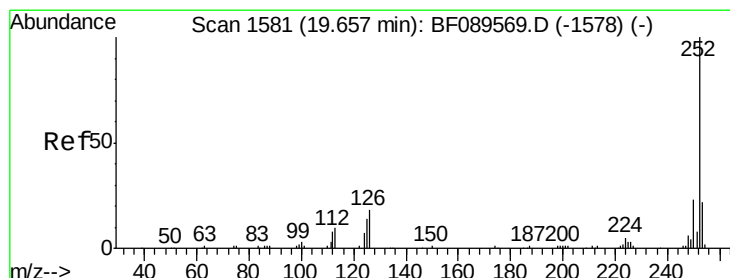
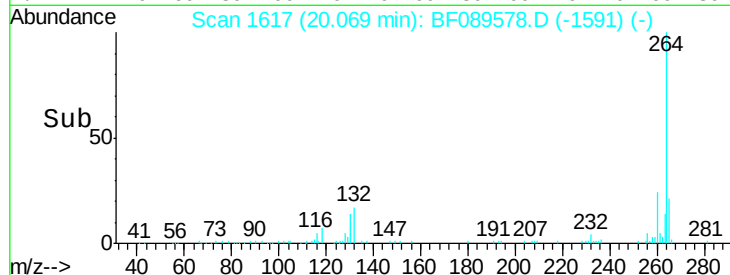
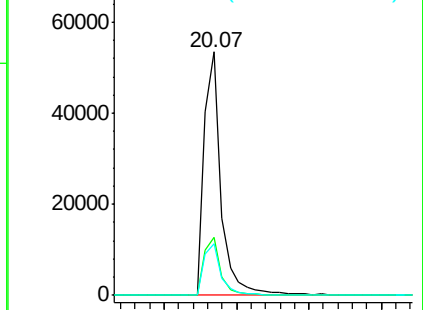
265 21.2 16.6 25.0



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: 0.42 ng

RT: 19.68 min Scan# 1583

Delta R.T. 0.02 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

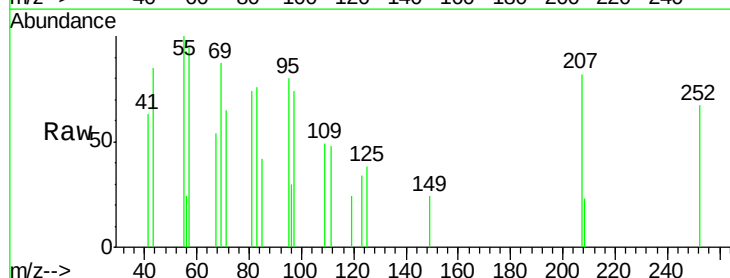
Tgt Ion:252 Resp: 2227

Ion Ratio Lower Upper

252 100

253 0.0 17.6 26.4#

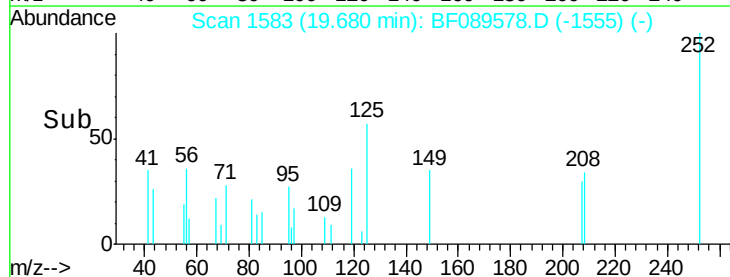
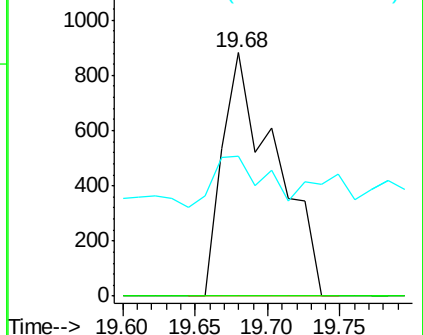
125 57.3 11.0 16.4#

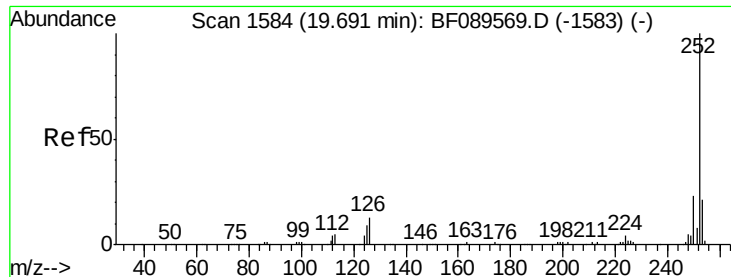


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

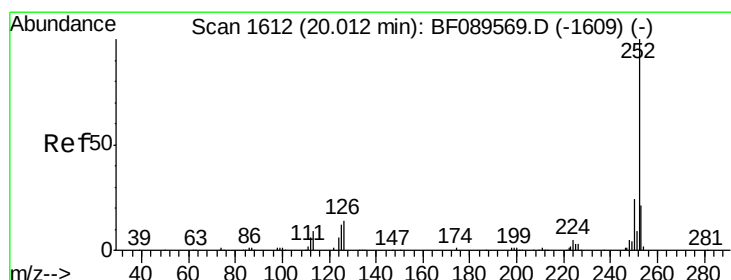
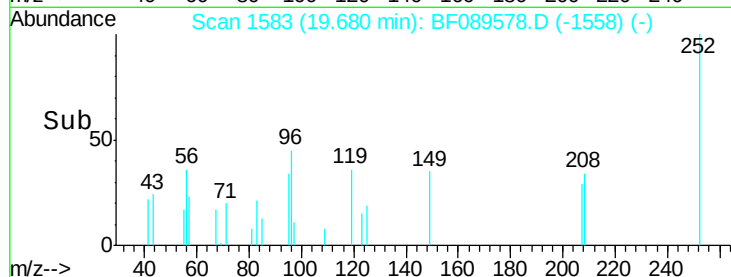
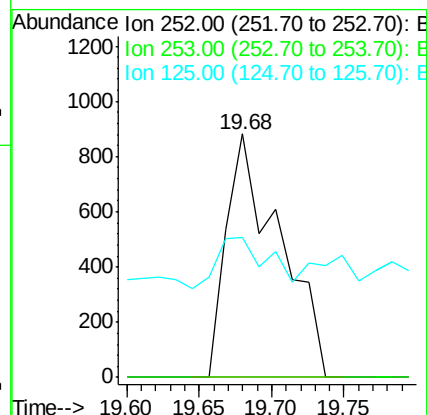
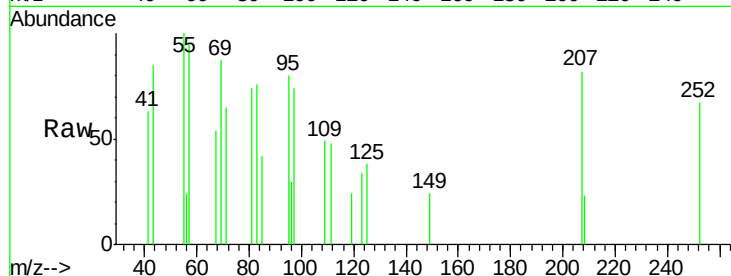




#88
Benzo(k)fluoranthene
Concen: 0.43 ng
RT: 19.68 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF089578.D
Acq: 4 Aug 2016 4:24

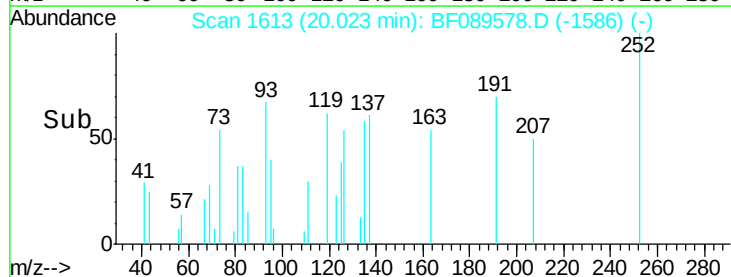
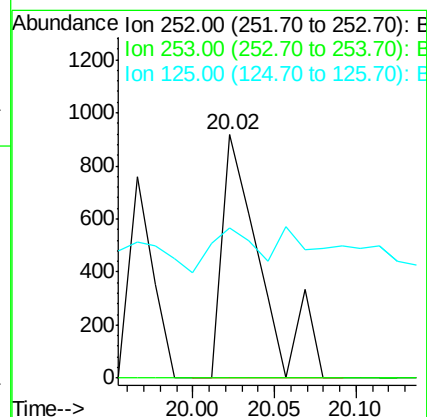
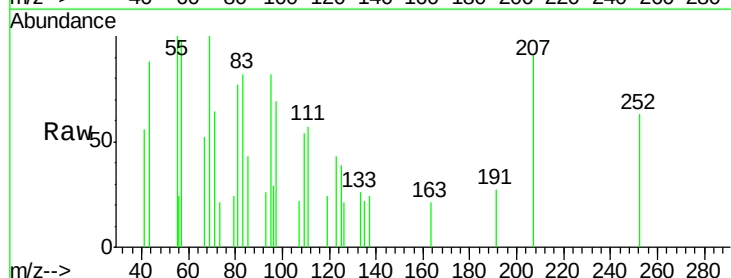
Instrument :
BNA_F
ClientSampled :

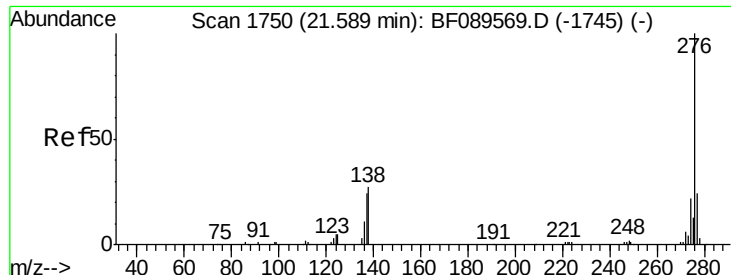
Tot Ion:252 Resp: 2227
Ion Ratio Lower Upper
252 100
253 0.0 17.2 25.8#
125 57.3 9.3 13.9#



#89
Benzo(a)pyrene
Concen: 0.30 ng
RT: 20.02 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BF089578.D
Acq: 4 Aug 2016 4:24

Tgt Ion:252 Resp: 1489
Ion Ratio Lower Upper
252 100
253 0.0 16.6 24.8#
125 61.4 9.4 14.0#





#91

Benzo(a,h,i)perylene

Concen: 0.14 ng

RT: 21.62 min Scan# 1753

Delta R.T. 0.03 min

Lab File: BF089578.D

Acq: 4 Aug 2016 4:24

Instrument :

BNA_F

ClientSampleId :

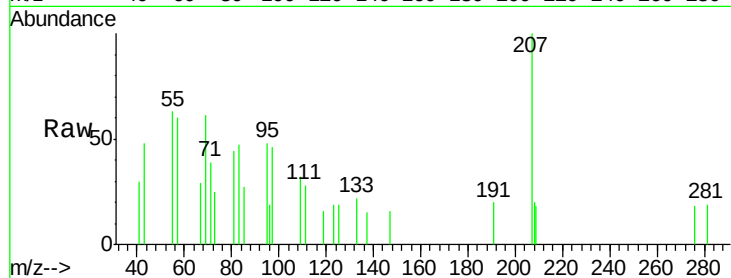
Tot Ion: 276 Resp: 700

Ion Ratio Lower Upper

276 100

277 0.0 19.0 28.6#

138 0.0 21.7 32.5#



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

