

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089043.D
 Acq On : 16 Jul 2016 6:03
 Operator : UM/SJ
 Sample : H3972-14DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 00:57:09 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

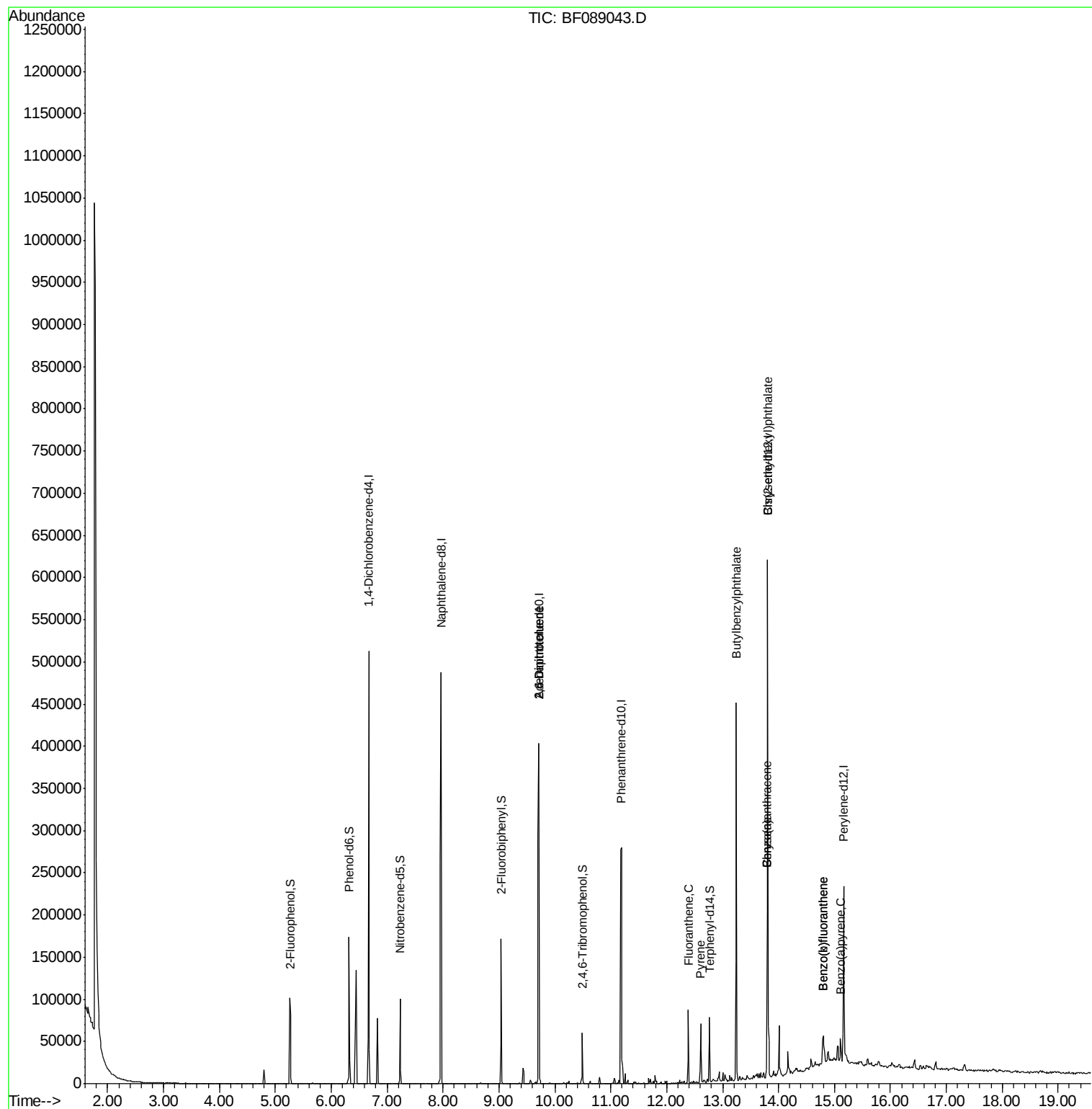
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	68131	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	262357	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	101796	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	157310	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	121745	20.00	ng	-0.05
86) Perylene-d12	15.17	264	83611	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	38757	8.53	ng	-0.02
7) Phenol-d6	6.32	99	54240	9.23	ng	-0.03
23) Nitrobenzene-d5	7.23	82	31004	6.19	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	6210	6.57	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	56204	8.72	ng	-0.03
78) Terphenyl-d14	12.77	244	29295	5.36	ng	-0.03
Target Compounds						
50) 2,6-Dinitrotoluene	9.71	165	12731	7.92	ng	# 37
56) 2,4-Dinitrotoluene	9.71	165	12731	6.06	ng	# 36
74) Fluoranthene	12.39	202	37425	4.29	ng	93
77) Pyrene	12.61	202	31708	3.07	ng	97
79) Butylbenzylphthalate	13.25	149	105816	22.98	ng	93
80) Benzo(a)anthracene	13.79	228	21054	2.69	ng	96
82) Chrysene	13.79	228	21054	2.71	ng	98
83) Bis(2-ethylhexyl)phthalate	13.81	149	58938	11.21	ng	98
87) Benzo(b)fluoranthene	14.80	252	23466	4.47	ng	# 93
88) Benzo(k)fluoranthene	14.80	252	23466	5.14	ng	98
89) Benzo(a)pyrene	15.11	252	11372	2.56	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

Instrument :

BNA_F

ClientSampleId :

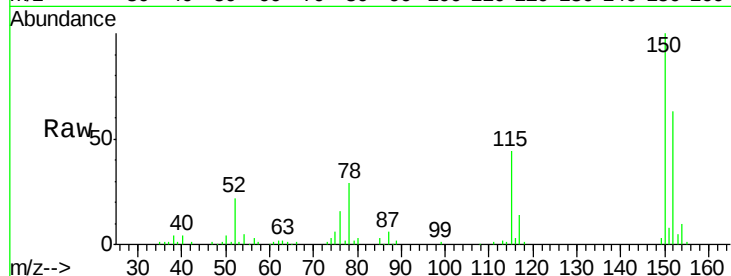
Tot Ion:152 Resp: 68131

Ion Ratio Lower Upper

152 100

150 157.6 123.8 185.6

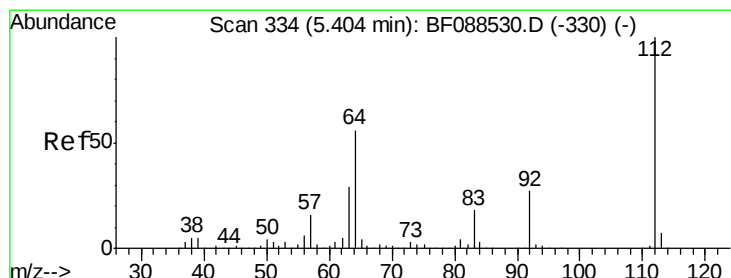
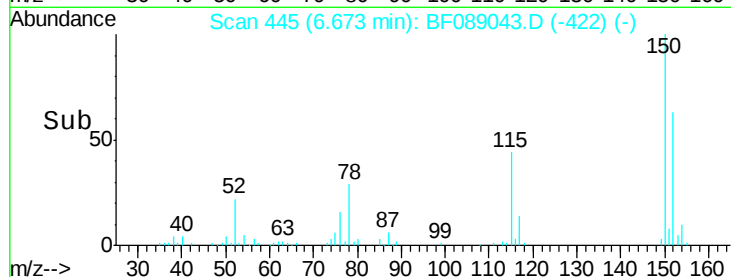
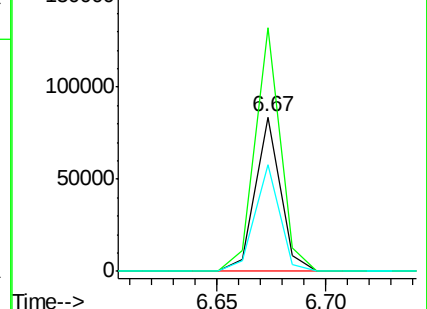
115 69.1 39.6 59.4#



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: 8.53 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

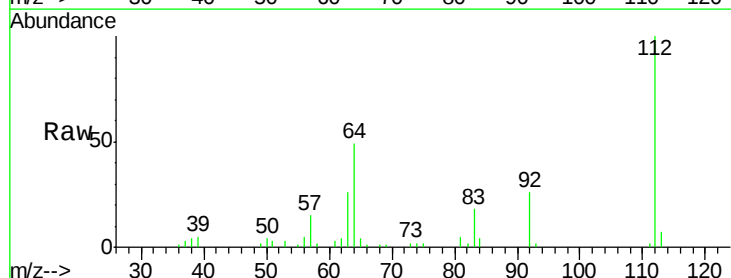
Tgt Ion:112 Resp: 38757

Ion Ratio Lower Upper

112 100

64 49.4 42.2 63.2

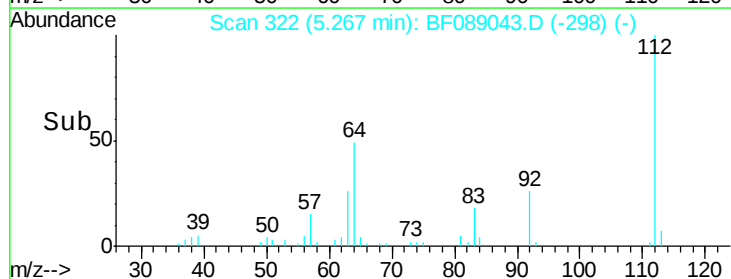
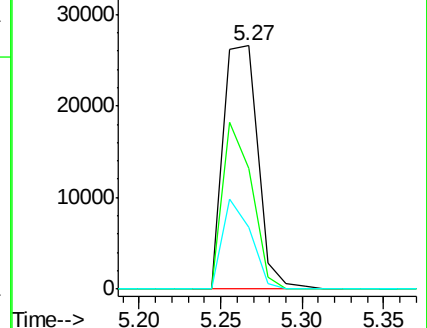
63 25.5 21.8 32.8



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: 9.23 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

Instrument :

BNA_F

ClientSampleId :

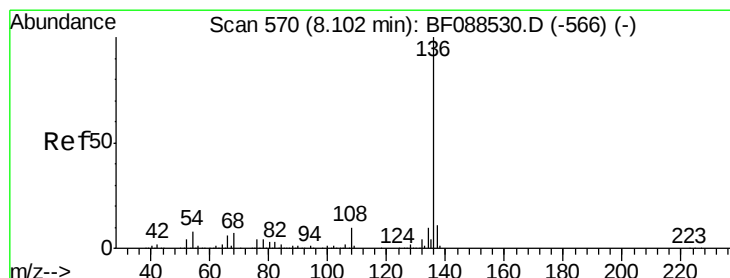
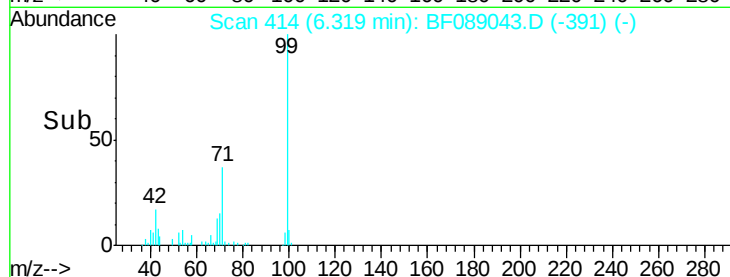
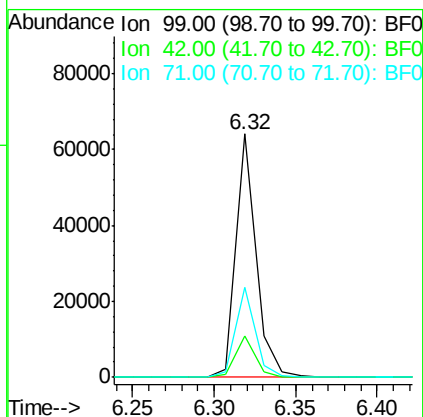
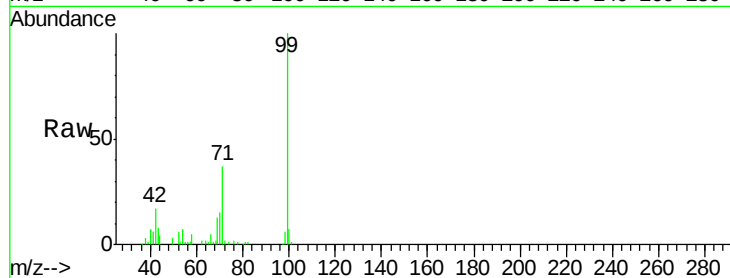
Tot Ion: 99 Resp: 54240

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.2

71 37.2 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

Tgt Ion: 136 Resp: 262357

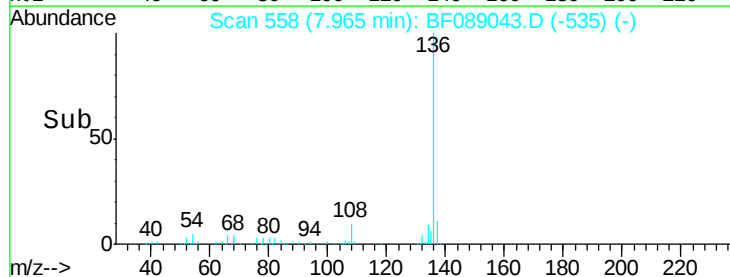
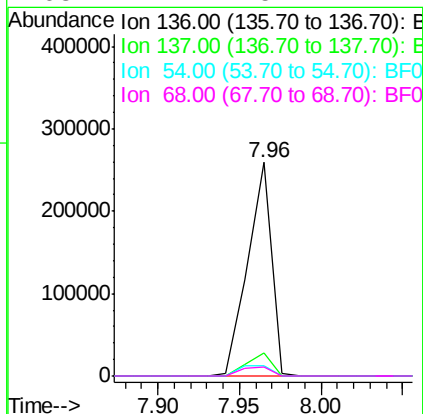
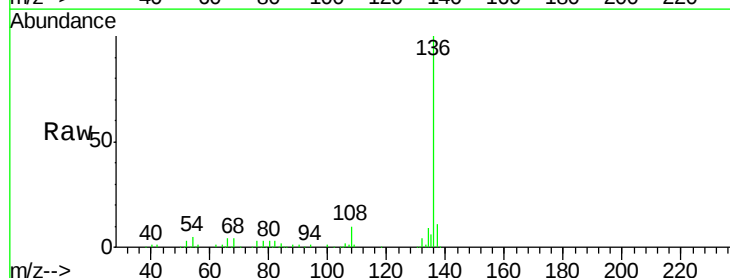
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 4.9 6.6 10.0#

68 4.1 5.1 7.7#

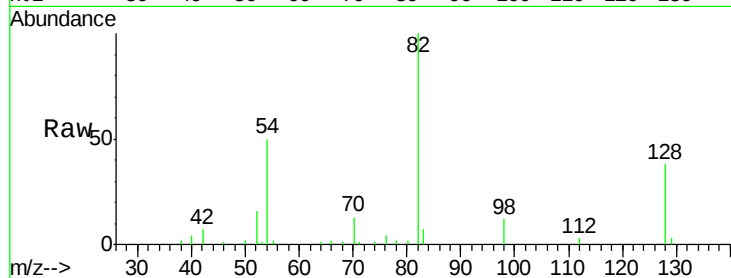




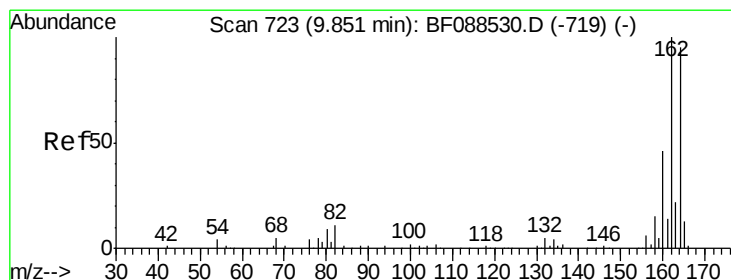
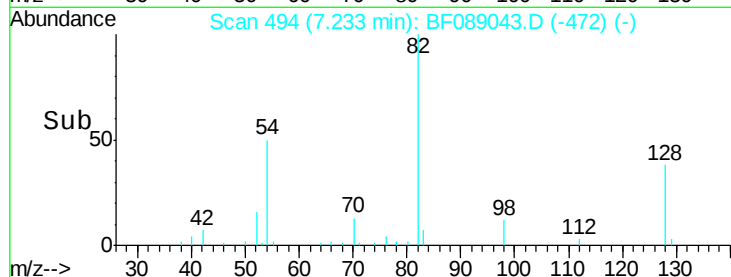
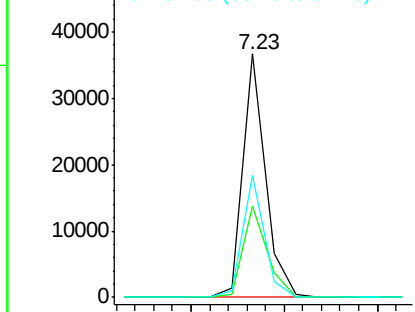
#23
 Nitrobenzene-d5
 Concen: 6.19 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.05 min
 Lab File: BF089043.D
 Acq: 16 Jul 2016 6:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	31004
Ion Ratio	Lower	Upper	
82	100		
128	37.5	35.9	53.9
54	49.9	40.9	61.3

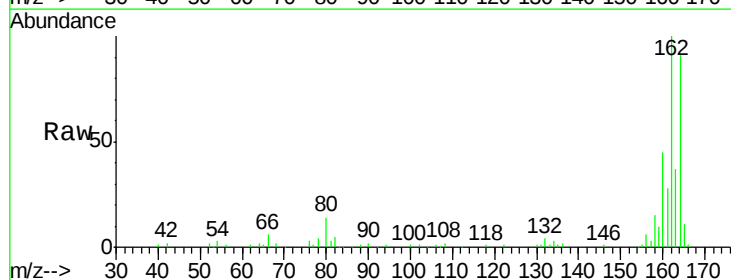


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

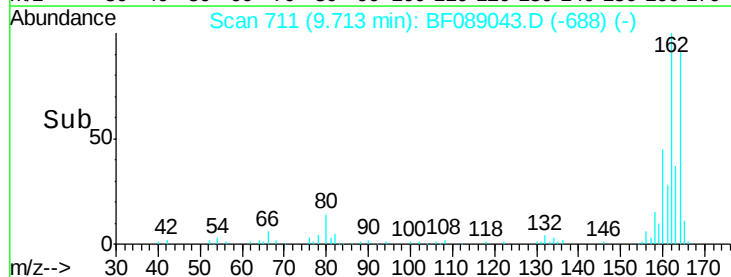
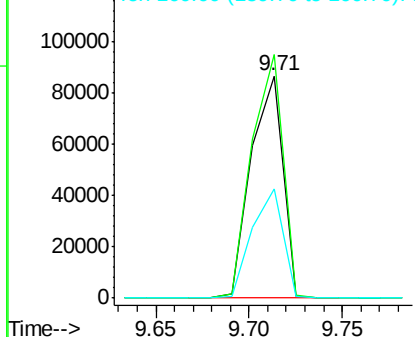


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089043.D
 Acq: 16 Jul 2016 6:03

Tgt Ion	164	Resp	101796
Ion Ratio	Lower	Upper	
164	100		
162	109.4	85.4	128.2
160	49.3	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

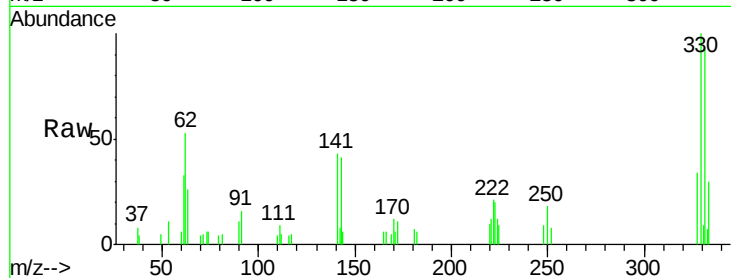




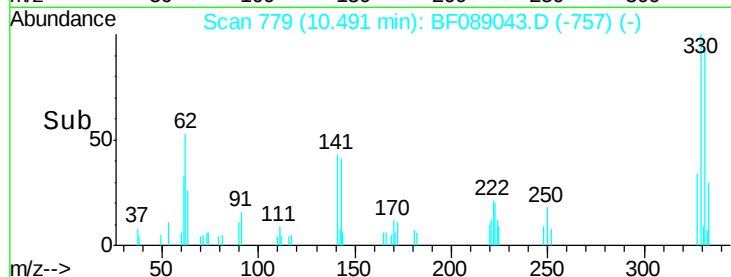
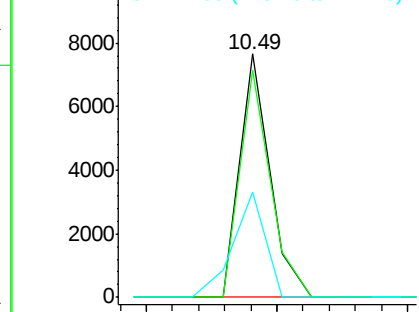
#41
 2,4,6-Tribromophenol
 Concen: 6.57 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089043.D
 Acq: 16 Jul 2016 6:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	0.0	0.0#
141	45.9	0.0	0.0#

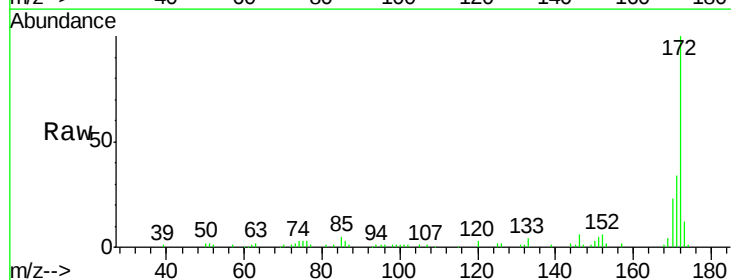


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

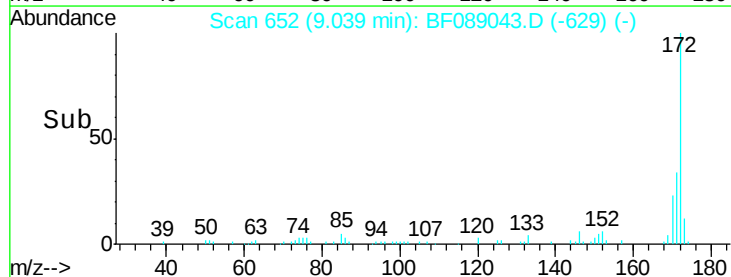
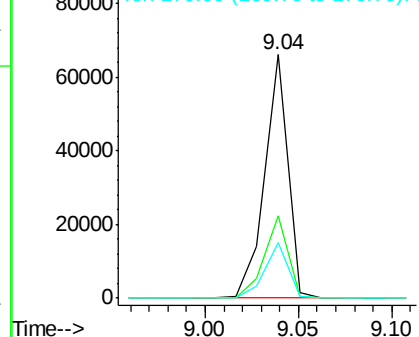


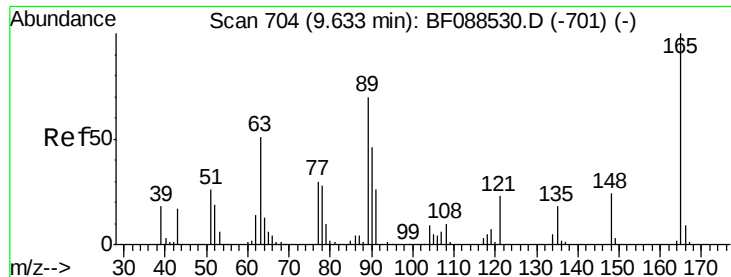
#44
 2-Fluorobiphenyl
 Concen: 8.72 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089043.D
 Acq: 16 Jul 2016 6:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	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

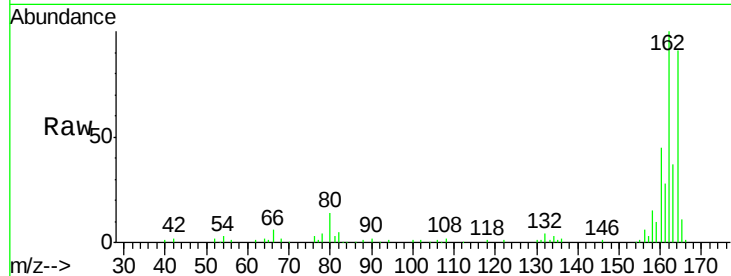




#50
2,6-Dinitrotoluene
Concen: 7.92 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.17 min
Lab File: BF089043.D
Acq: 16 Jul 2016 6:03

Instrument :
BNA_F
ClientSampled :

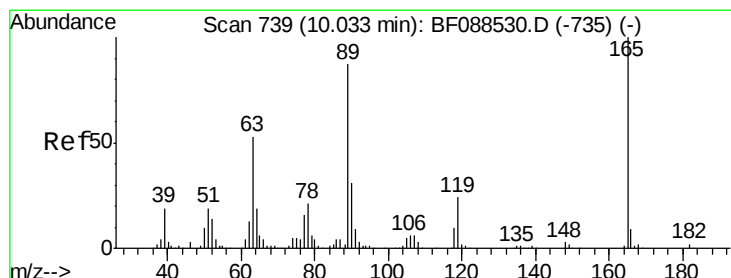
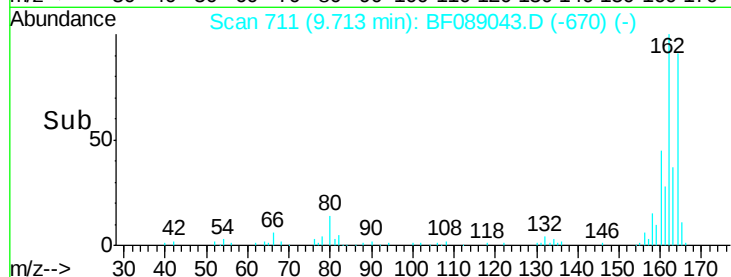
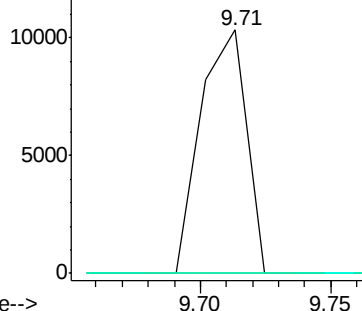
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: 6.06 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.23 min
Lab File: BF089043.D
Acq: 16 Jul 2016 6:03

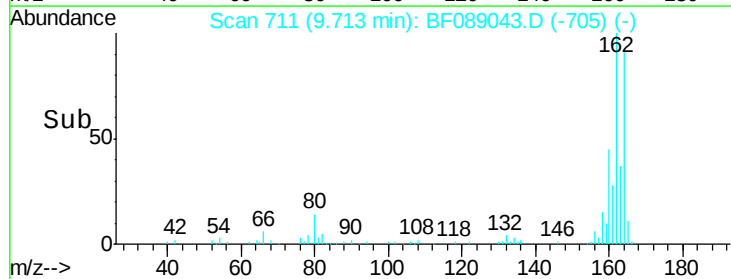
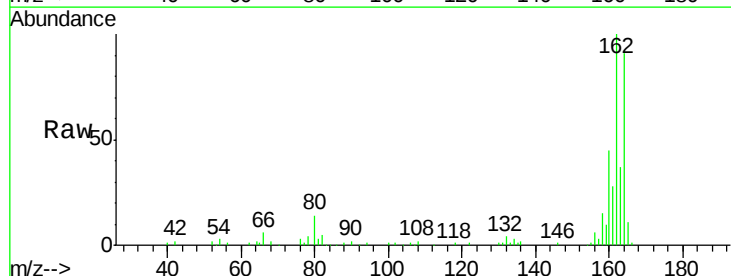
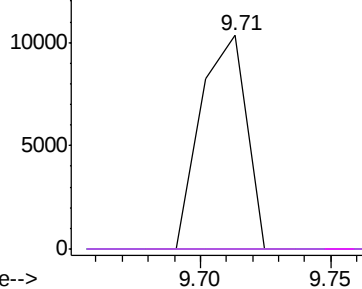
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

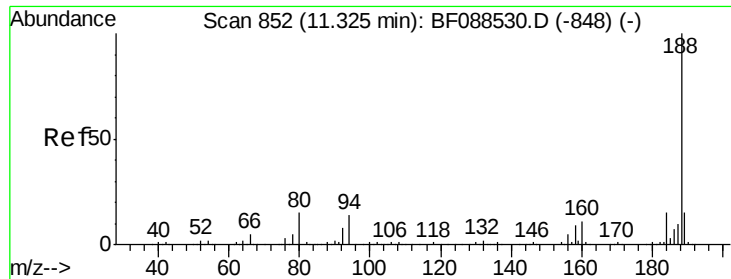
Abundance Ion 165.00 (164.70 to 165.70): E

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

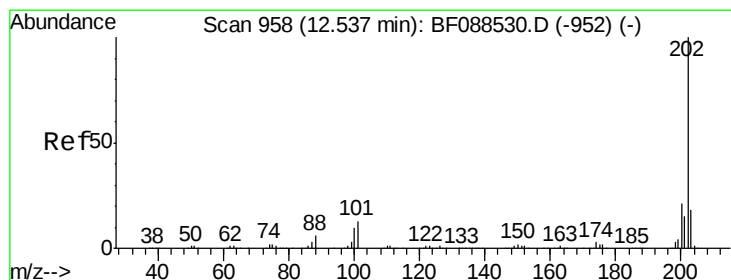
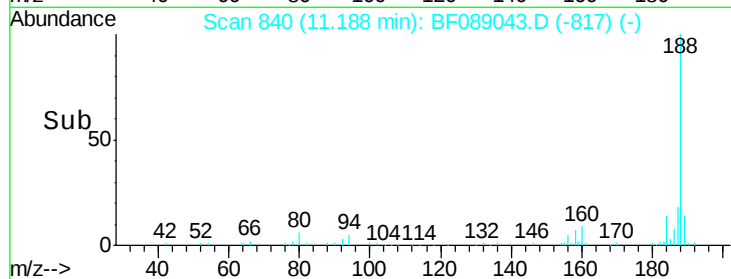
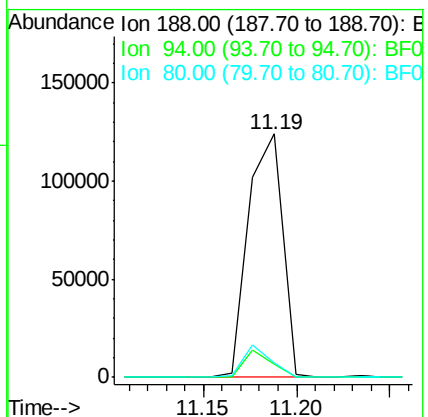
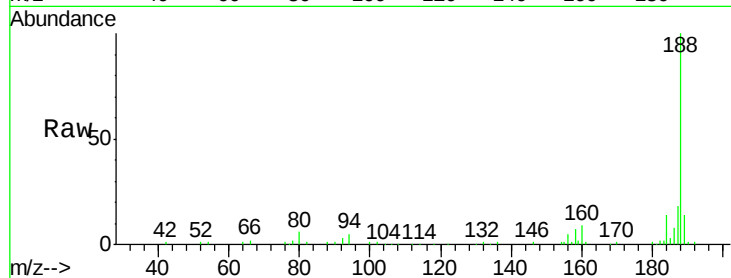




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089043.D
Acq: 16 Jul 2016 6:03

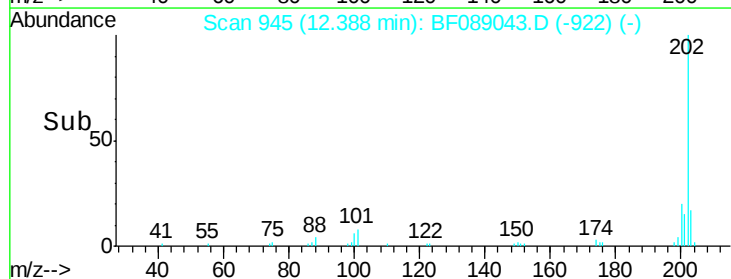
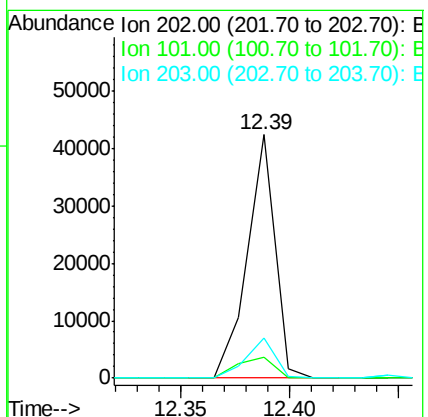
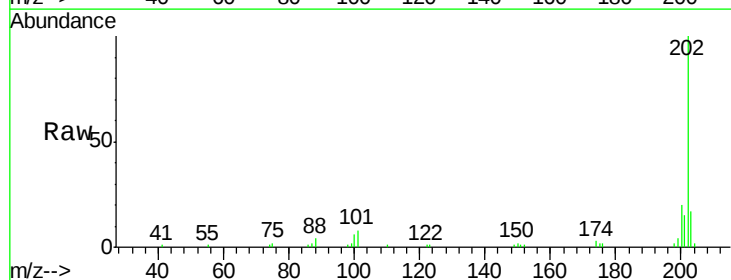
Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 157310
Ion Ratio Lower Upper
188 100
94 5.3 9.0 13.6#
80 5.9 10.0 15.0#



#74
Fluoranthene
Concen: 4.29 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.03 min
Lab File: BF089043.D
Acq: 16 Jul 2016 6:03

Tgt Ion:202 Resp: 37425
Ion Ratio Lower Upper
202 100
101 8.4 0.0 33.1
203 16.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

Instrument :

BNA_F

ClientSampleId :

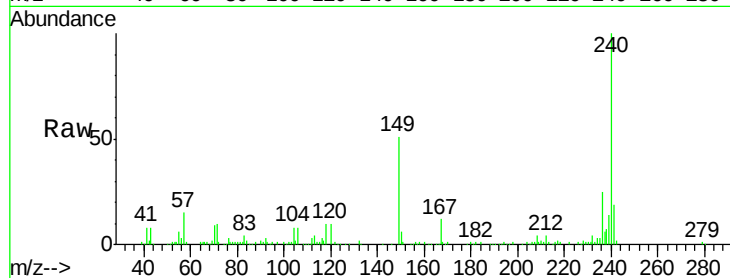
Tot Ion:240 Resp: 121745

Ion Ratio Lower Upper

240 100

120 10.3 6.8 10.2#

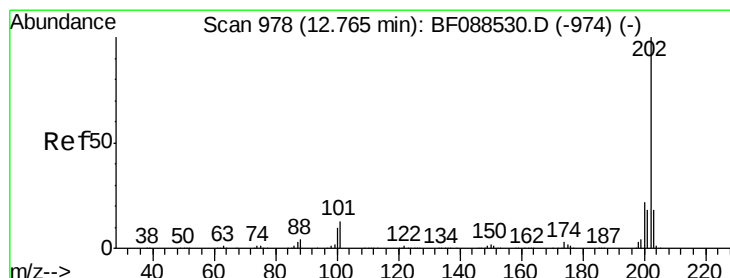
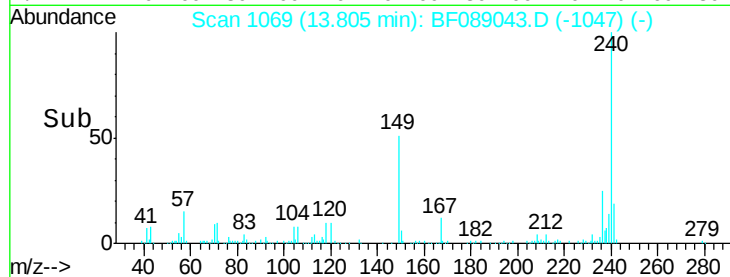
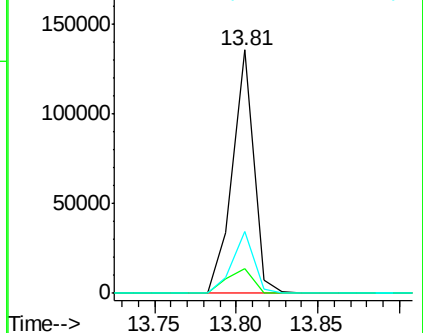
236 25.5 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.07 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.05 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

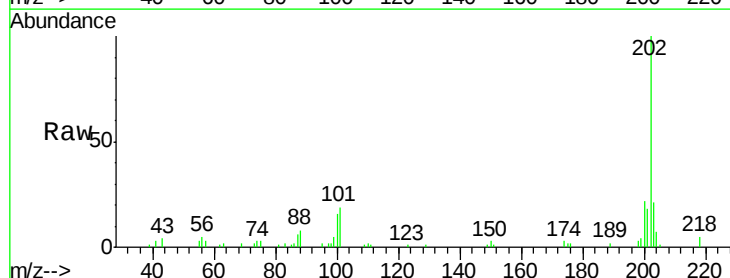
Tgt Ion:202 Resp: 31708

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

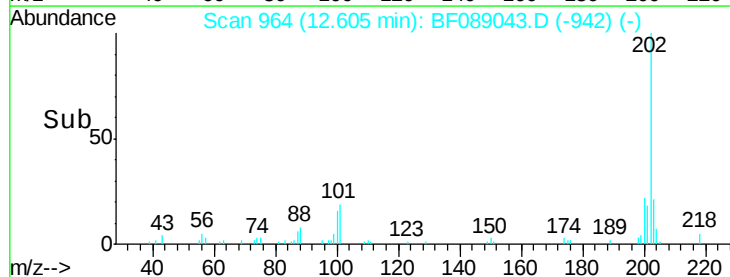
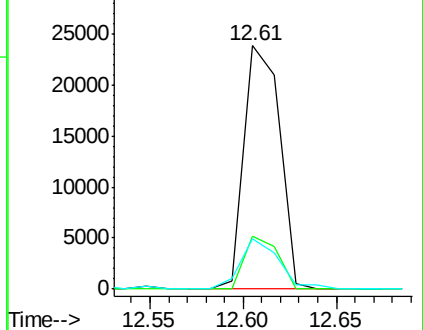
203 20.9 14.5 21.7



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

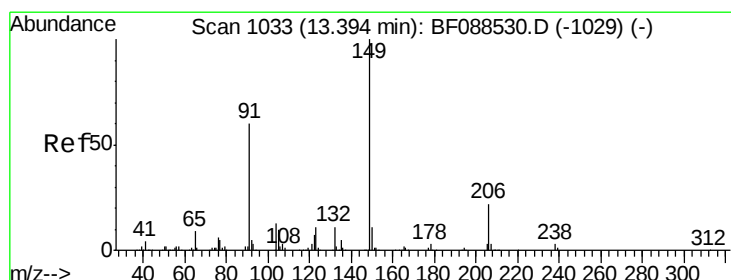
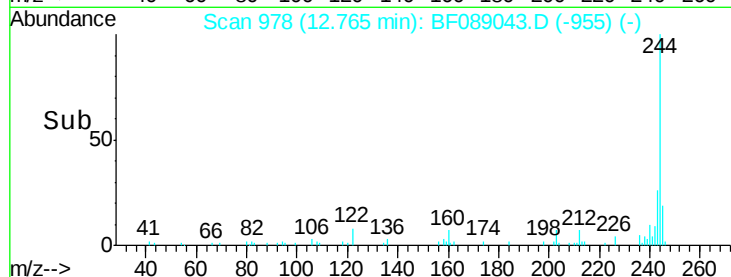
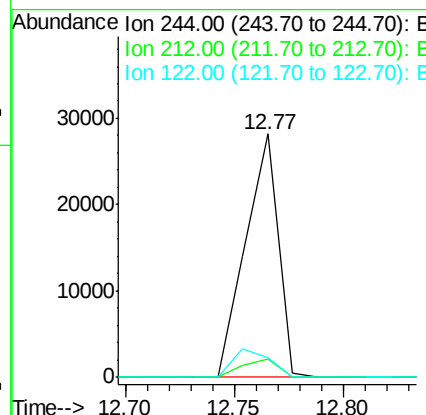
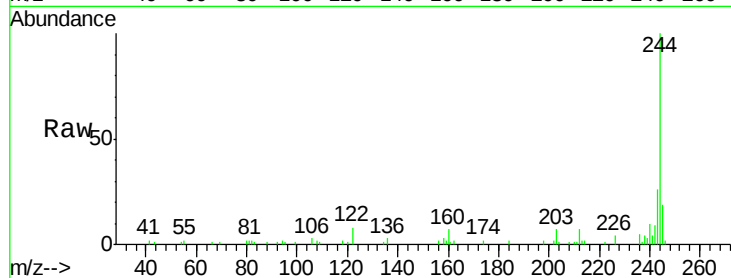




#78
 Terphenyl-d14
 Concen: 5.36 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF089043.D
 Acq: 16 Jul 2016 6:03

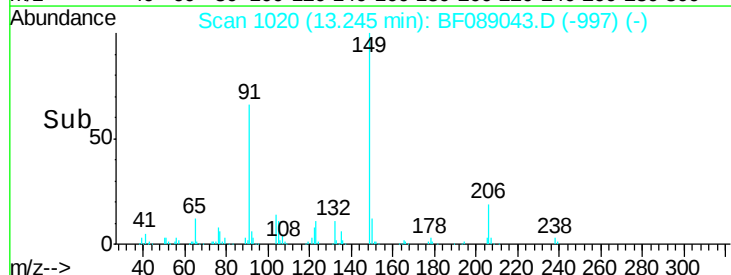
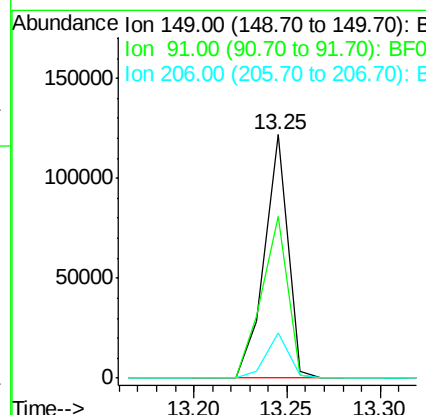
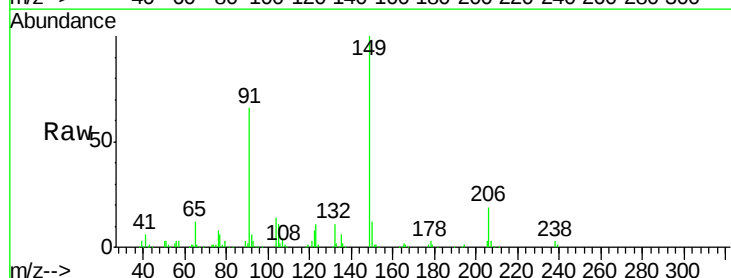
Instrument :
 BNA_F
 ClientSampleId :

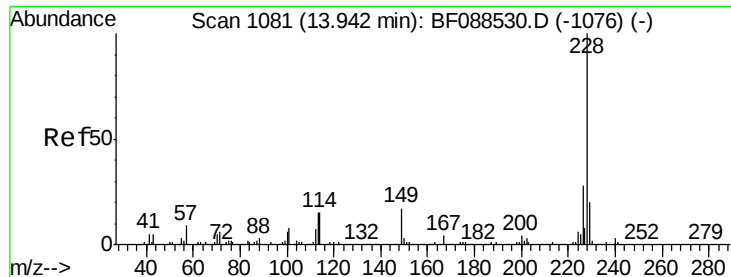
Tot Ion:244 Resp: 29295
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 8.2 11.2 16.8#



#79
 Butylbenzylphthalate
 Concen: 22.98 ng
 RT: 13.25 min Scan# 1020
 Delta R.T. -0.03 min
 Lab File: BF089043.D
 Acq: 16 Jul 2016 6:03

Tgt Ion:149 Resp: 105816
 Ion Ratio Lower Upper
 149 100
 91 66.4 48.0 72.0
 206 18.5 16.0 24.0





#80

Benzo(a)anthracene

Concen: 2.69 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

Instrument :

BNA_F

ClientSampled :

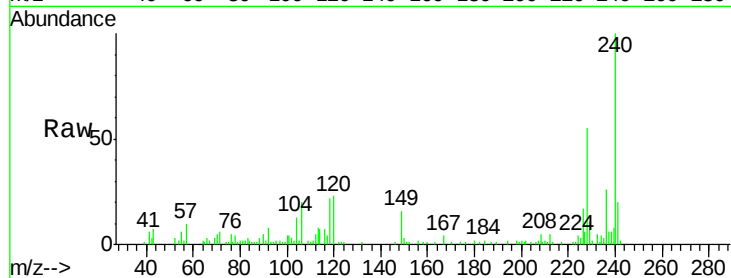
Tot Ion:228 Resp: 21054

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

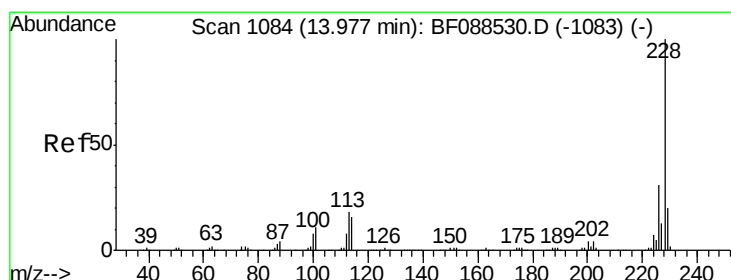
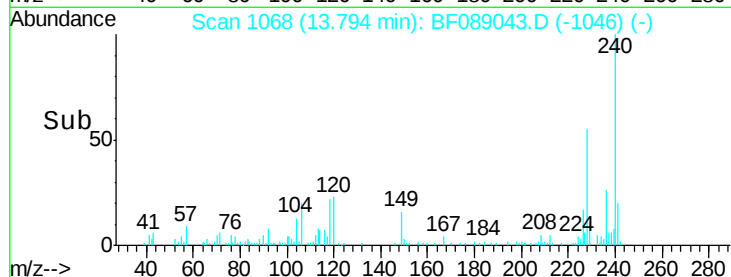
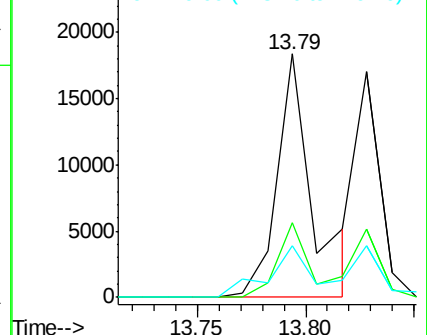
229 21.0 16.0 24.0



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: 2.71 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.08 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

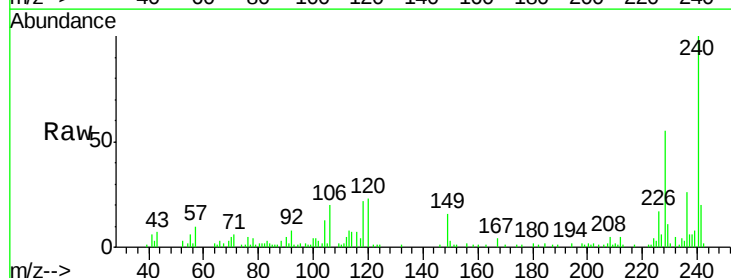
Tgt Ion:228 Resp: 21054

Ion Ratio Lower Upper

228 100

226 30.7 25.4 38.2

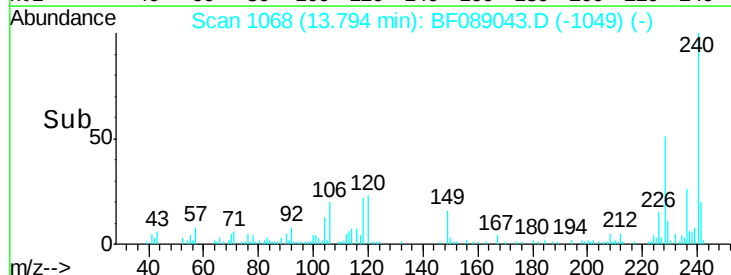
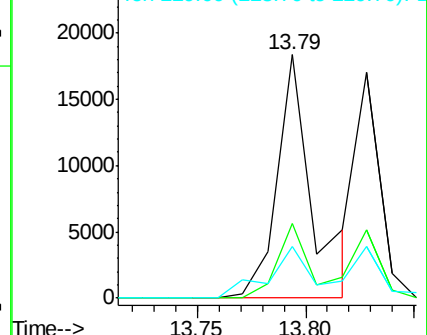
229 21.0 16.3 24.5

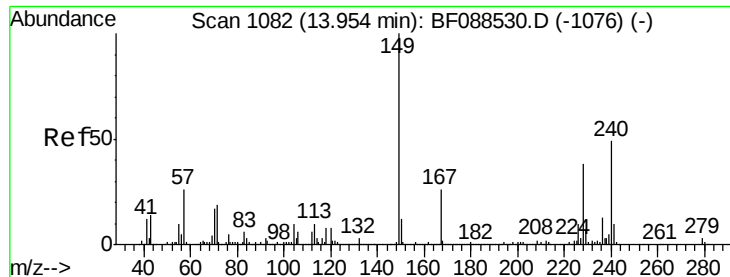


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 11.21 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

Instrument :

BNA_F

ClientSampleId :

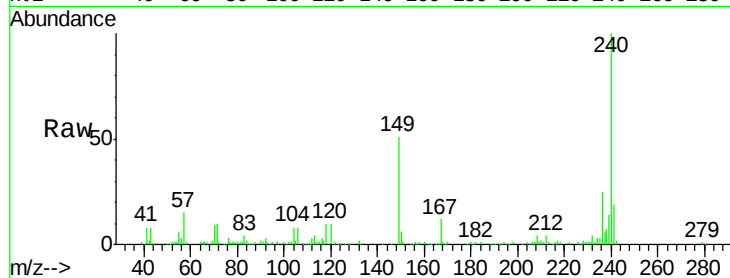
Tot Ion:149 Resp: 58938

Ion Ratio Lower Upper

149 100

167 24.4 20.5 30.7

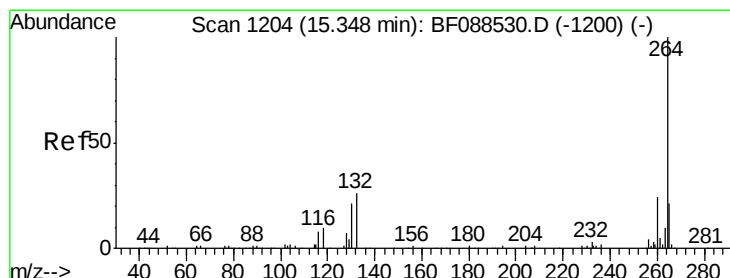
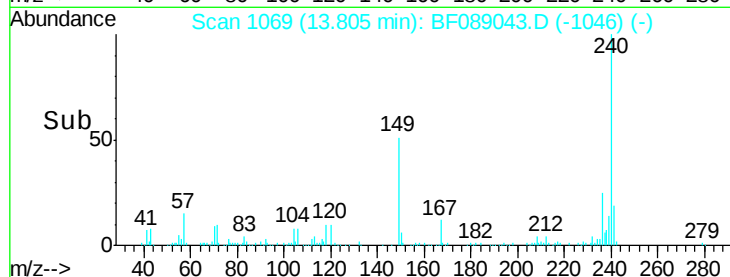
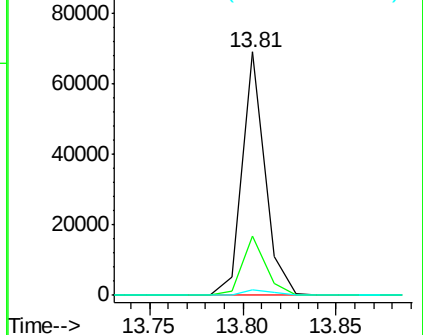
279 2.2 2.0 3.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.17 min Scan# 1188

Delta R.T. -0.05 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

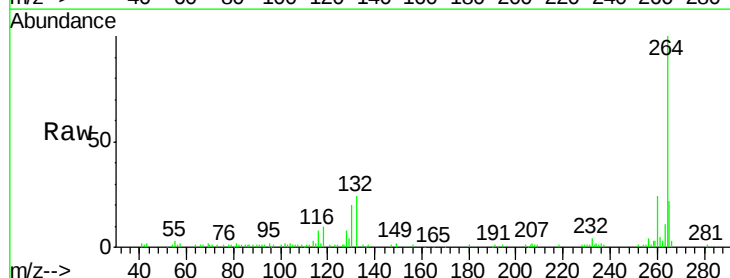
Tgt Ion:264 Resp: 83611

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

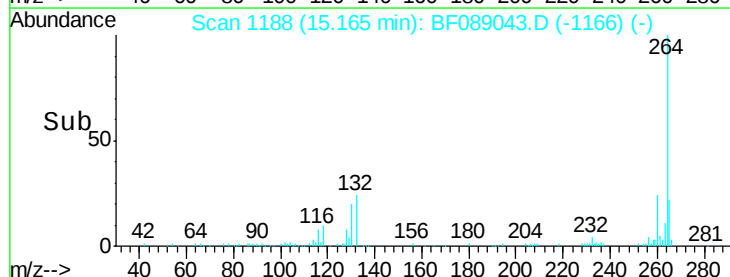
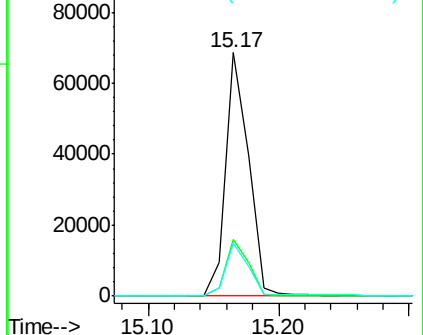
265 22.0 16.9 25.3

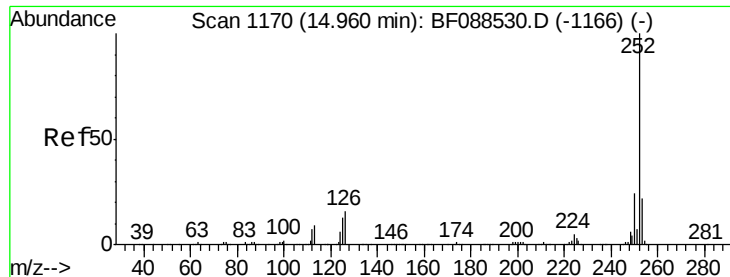


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.47 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

Instrument :

BNA_F

ClientSampleId :

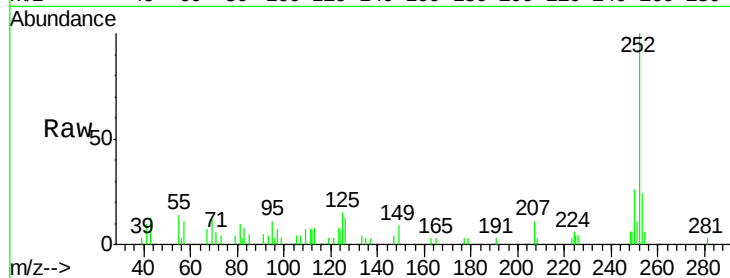
Tot Ion:252 Resp: 23466

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

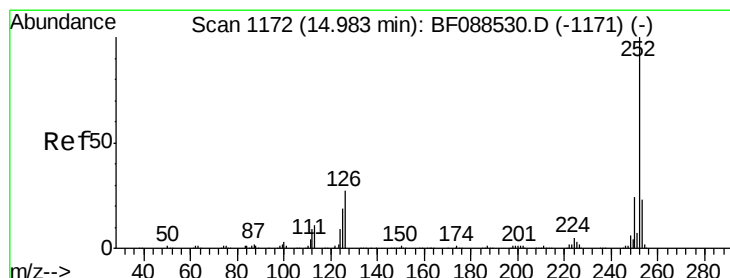
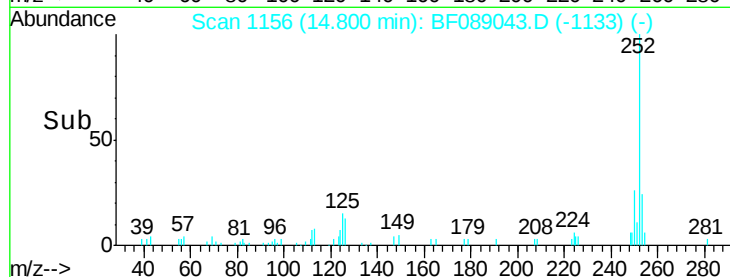
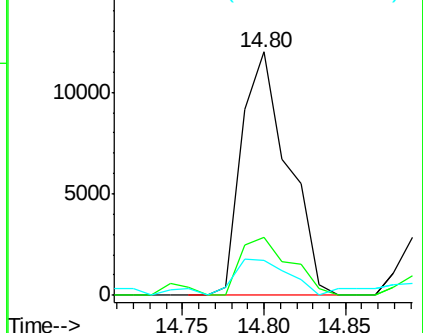
125 14.5 7.1 10.7#



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



#88

Benzo(k)fluoranthene

Concen: 5.14 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089043.D

Acq: 16 Jul 2016 6:03

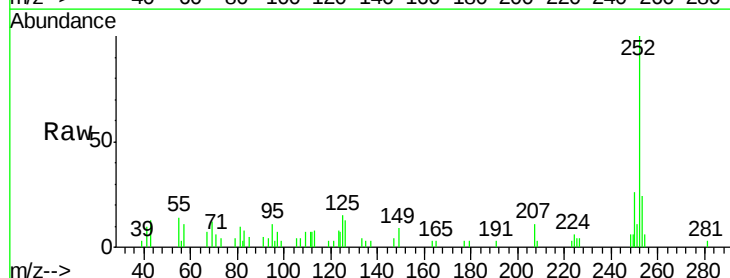
Tgt Ion:252 Resp: 23466

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

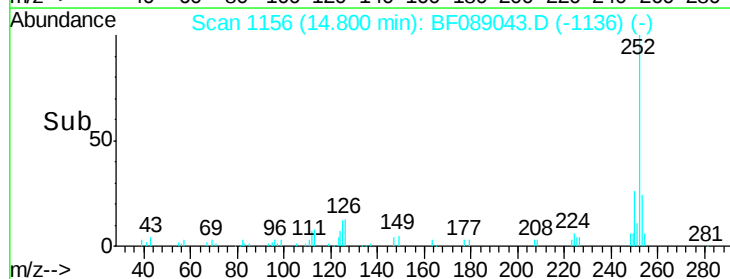
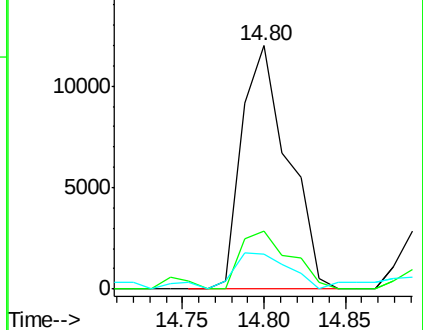
125 14.5 11.2 16.8

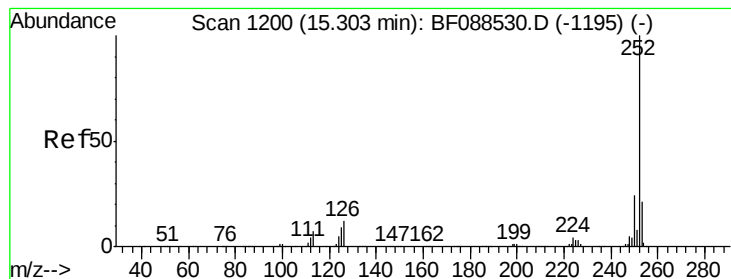


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 2.56 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.06 min
 Lab File: BF089043.D
 Acq: 16 Jul 2016 6:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	17.6	12.5	18.7

