

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089710.D
 Acq On : 10 Aug 2016 22:47
 Operator : UM/SJ
 Sample : H4400-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

Quant Time: Aug 11 01:12:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	51629	20.00	ng	-0.05
21) Naphthalene-d8	9.43	136	212331	20.00	ng	-0.05
38) Acenaphthene-d10	12.25	164	93296	20.00	ng	-0.05
63) Phenanthrene-d10	14.64	188	148718	20.00	ng	-0.06
75) Chrysene-d12	18.35	240	116662	20.00	ng	-0.03
86) Perylene-d12	20.02	264	109946	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	126459	41.05	ng	-0.01
7) Phenol-d6	6.96	99	403112	96.47	ng	-0.02
23) Nitrobenzene-d5	8.31	82	257149	66.99	ng	-0.06
41) 2,4,6-Tribromophenol	13.54	330	12724	16.53	ng	-0.05
44) 2-Fluorobiphenyl	11.21	172	463349	64.55	ng	-0.05
78) Terphenyl-d14	17.02	244	294418	49.82	ng	-0.03

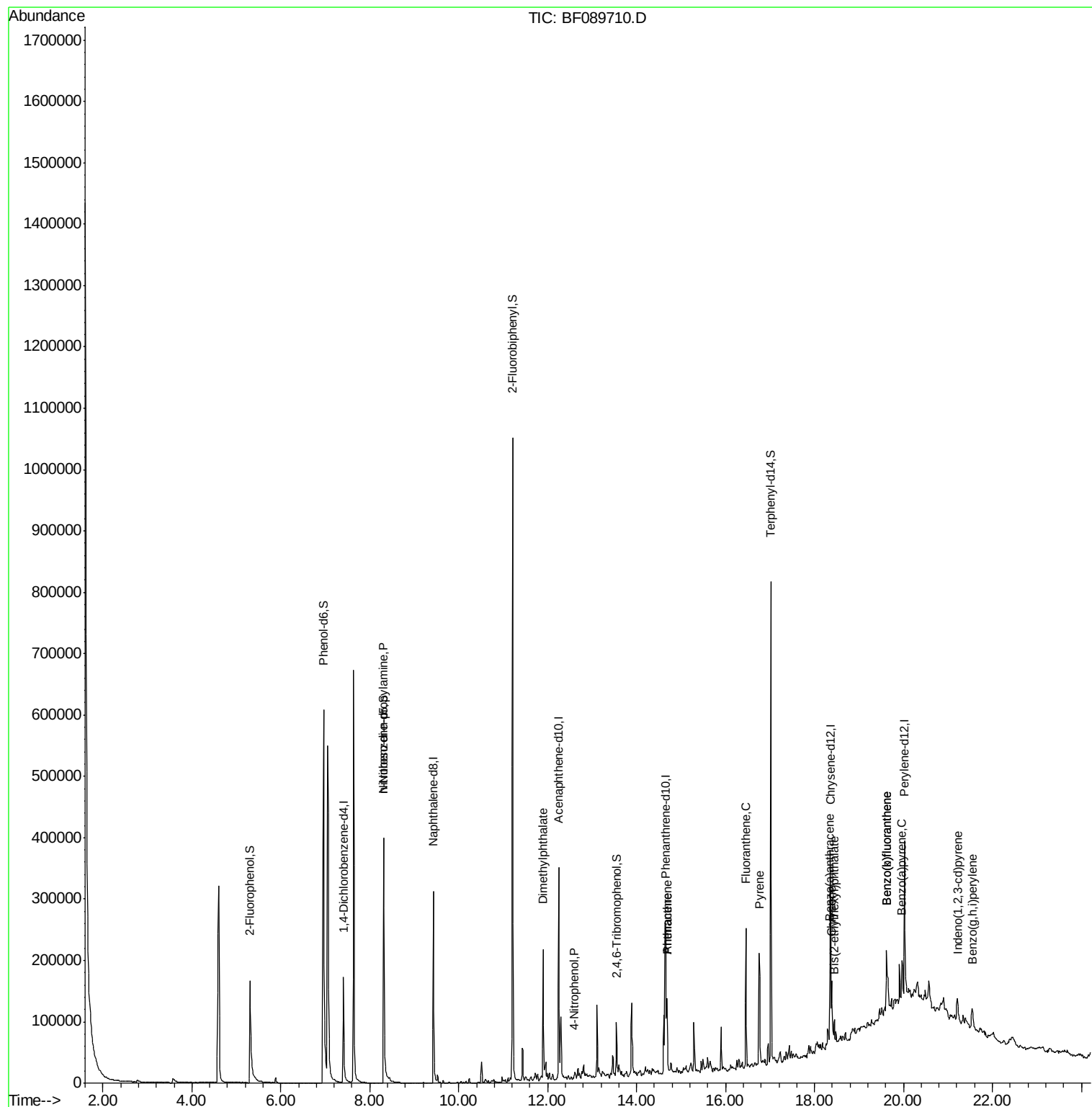
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.31	70	31282	10.36	ng	# 83
49) Dimethylphthalate	11.90	163	110471	15.11	ng	98
55) 4-Nitrophenol	12.61	139	1782	8.01	ng	# 21
70) Phenanthrene	14.69	178	76258	9.43	ng	98
71) Anthracene	14.69	178	76258	8.80	ng	99
74) Fluoranthene	16.46	202	109151	13.13	ng	98
77) Pyrene	16.75	202	97900	9.49	ng	# 93
80) Benzo(a)anthracene	18.34	228	46237	6.90	ng	94
82) Chrysene	18.39	228	48142	6.85	ng	97
83) Bis(2-ethylhexyl)phthalate	18.45	149	12572	2.07	ng	# 94
85) Indeno(1,2,3-cd)pyrene	21.21	276	20735	3.88	ng	# 91
87) Benzo(b)fluoranthene	19.62	252	74883	11.07	ng	# 93
88) Benzo(k)fluoranthene	19.62	252	74883	10.98	ng	97
89) Benzo(a)pyrene	19.97	252	37453	5.92	ng	# 85
91) Benzo(g,h,i)perylene	21.54	276	21134	3.49	ng	95

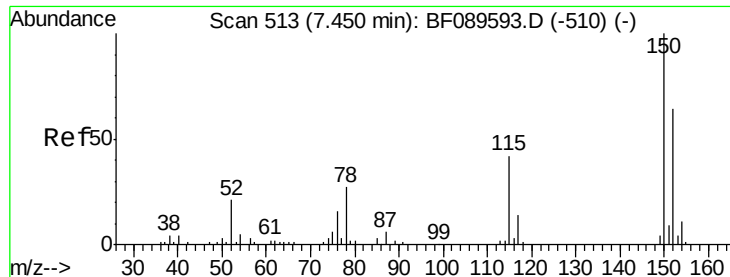
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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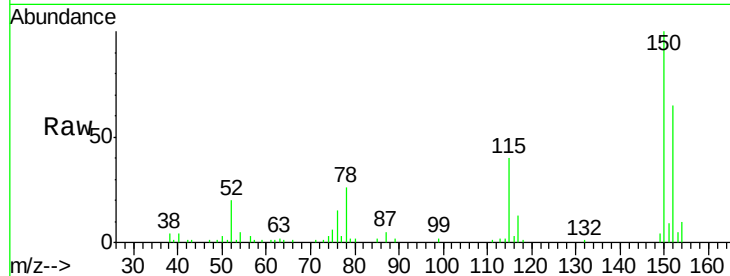


#1

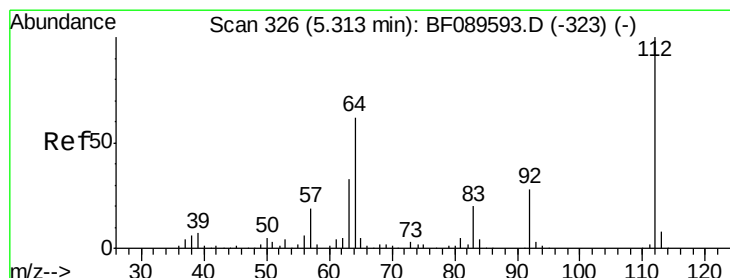
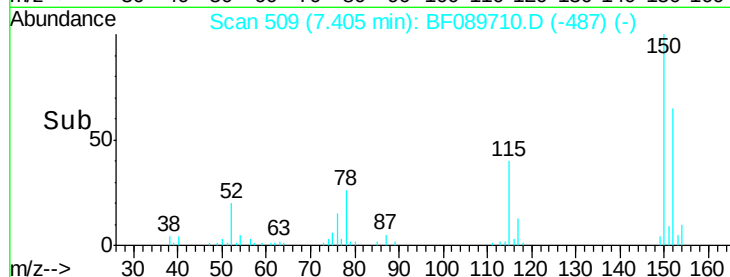
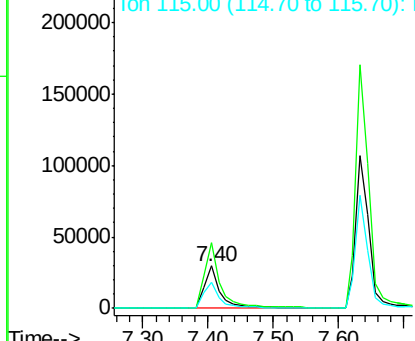
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.05 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

Tgt Ion:152 Resp: 51629
Ion Ratio Lower Upper
152 100
150 154.8 125.5 188.3
115 61.8 52.0 78.0



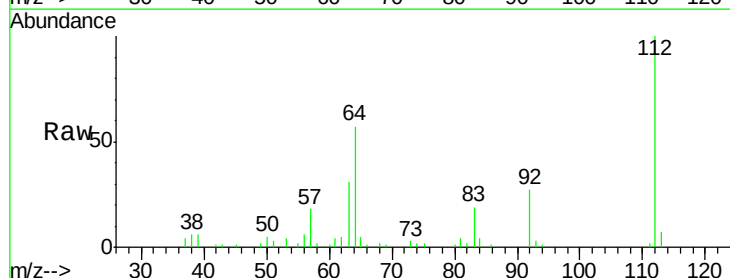
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



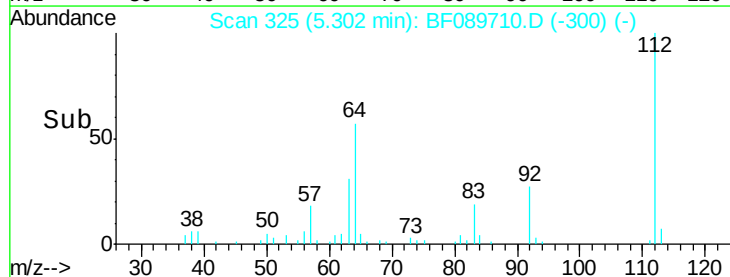
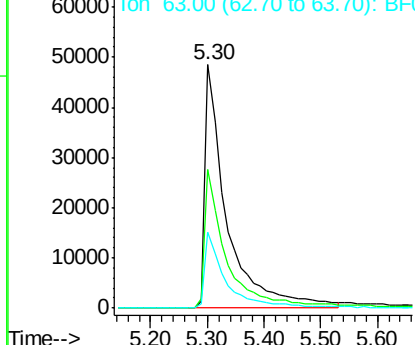
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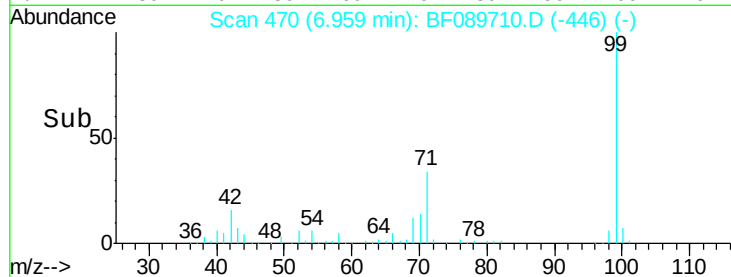
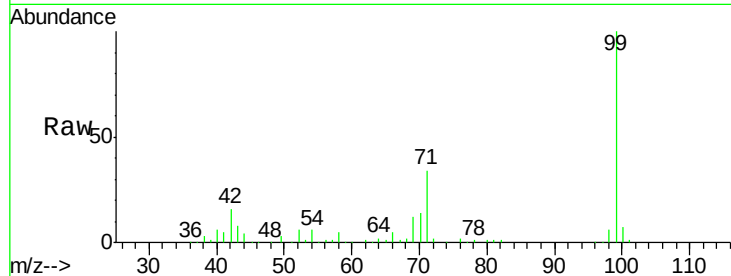
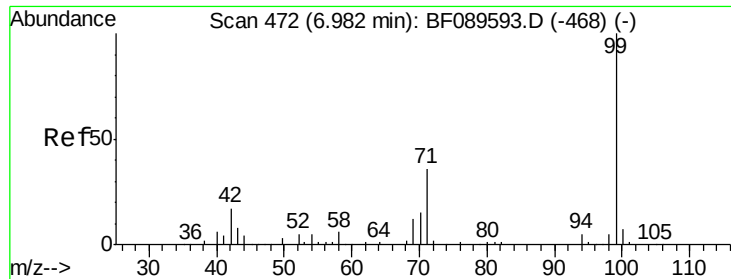
2-Fluorophenol
Concen: 41.05 ng
RT: 5.30 min Scan# 325
Delta R.T. -0.01 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion:112 Resp: 126459
Ion Ratio Lower Upper
112 100
64 56.8 49.9 74.9
63 31.4 26.1 39.1



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: 96.47 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

Instrument :

BNA_F

ClientSampleId :

DEL1-BASE(66)

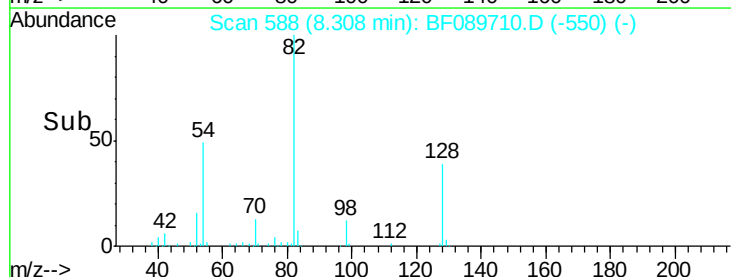
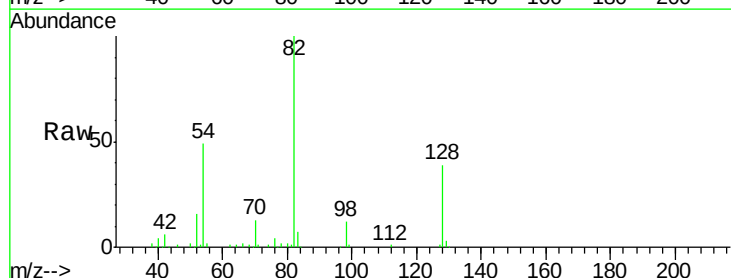
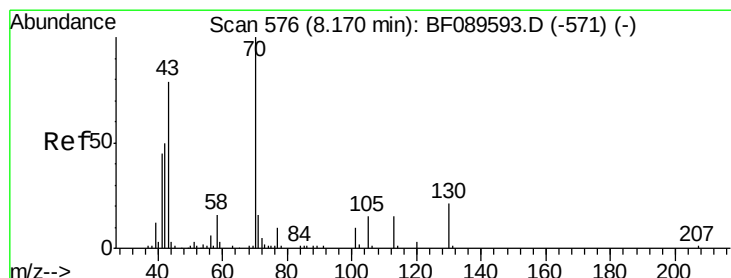
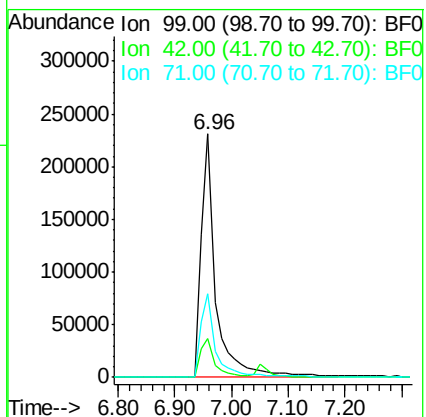
Tgt Ion: 99 Resp: 403112

Ion Ratio Lower Upper

99 100

42 15.7 13.7 20.5

71 34.3 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.36 ng

RT: 8.31 min Scan# 588

Delta R.T. 0.14 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

Tgt Ion: 70 Resp: 31282

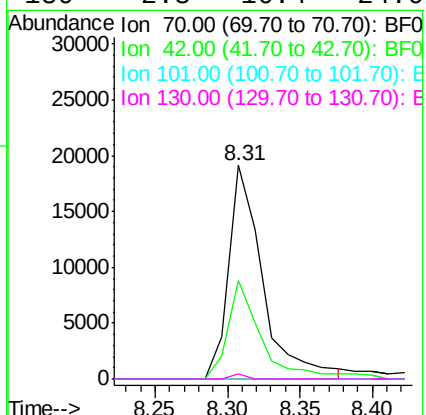
Ion Ratio Lower Upper

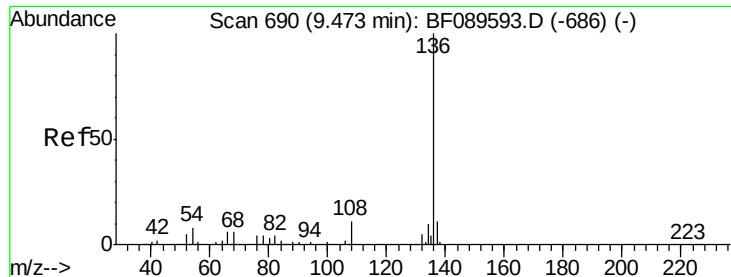
70 100

42 46.1 40.2 60.2

101 0.0 7.8 11.6#

130 2.3 16.4 24.6#

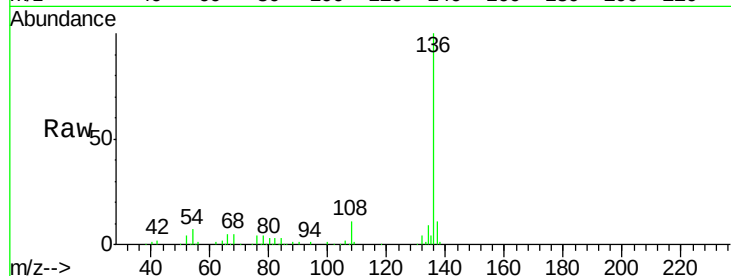




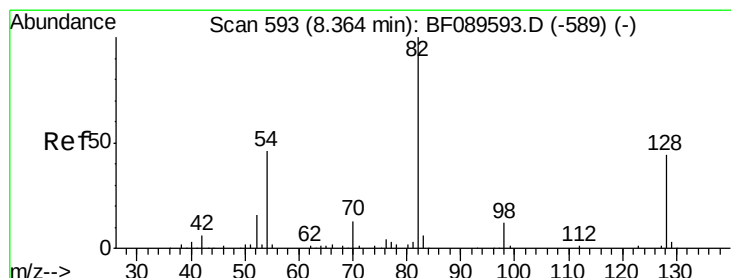
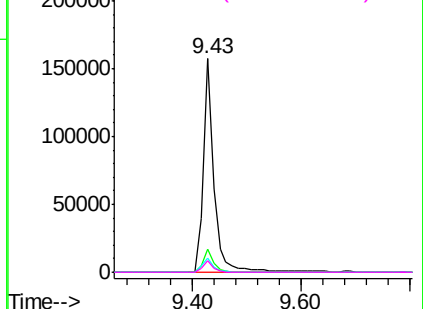
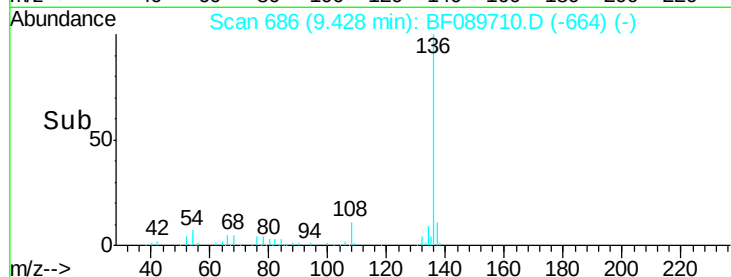
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.05 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

Tgt Ion:	136	Resp:	212331
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.8	6.0	9.0
68	5.5	4.6	6.8

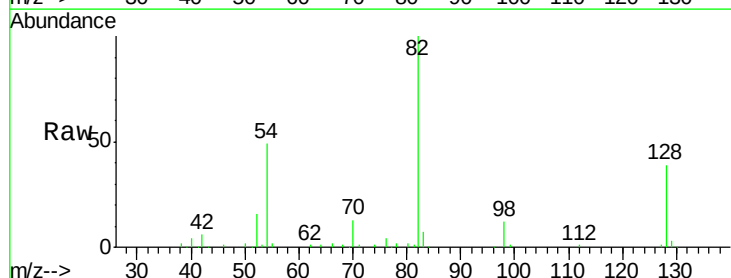


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

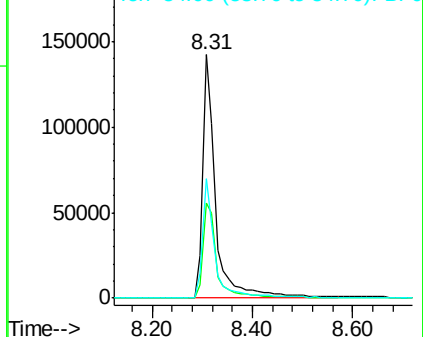
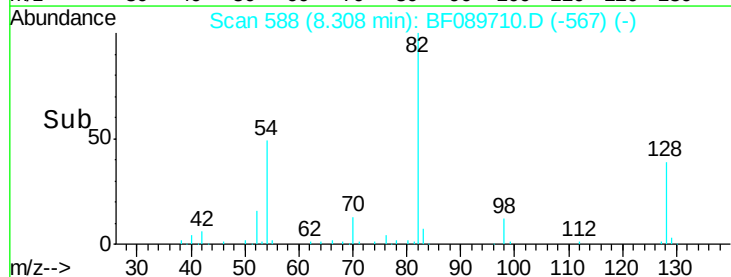


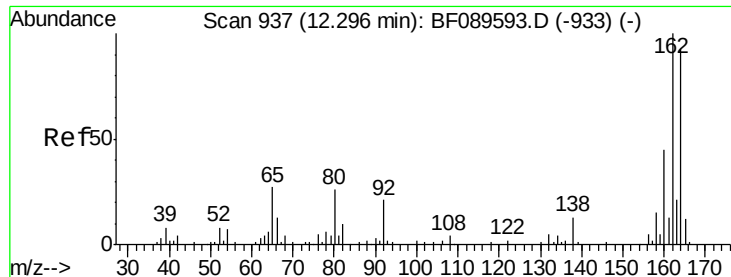
#23
Nitrobenzene-d5
Concen: 66.99 ng
RT: 8.31 min Scan# 588
Delta R.T. -0.06 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion:	82	Resp:	257149
Ion	Ratio	Lower	Upper
82	100		
128	39.2	35.4	53.0
54	49.1	36.4	54.6



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

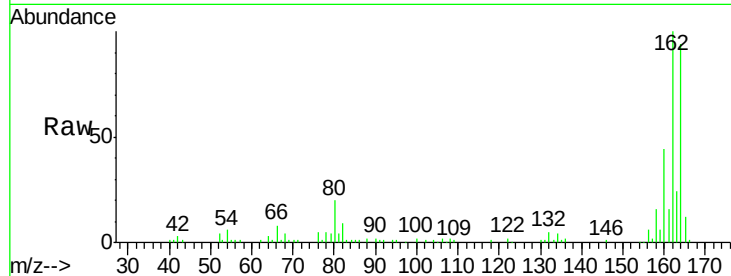




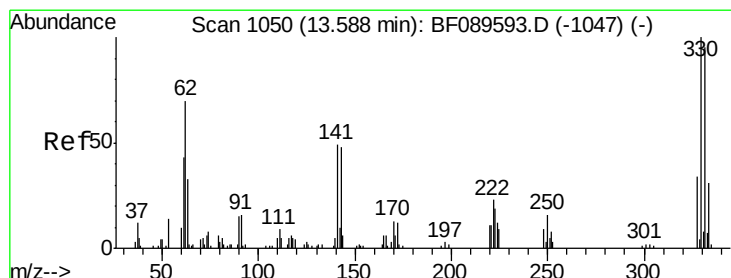
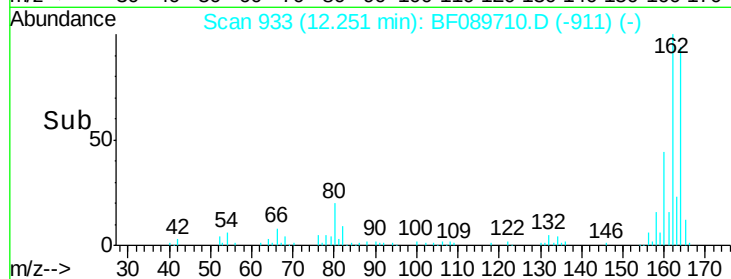
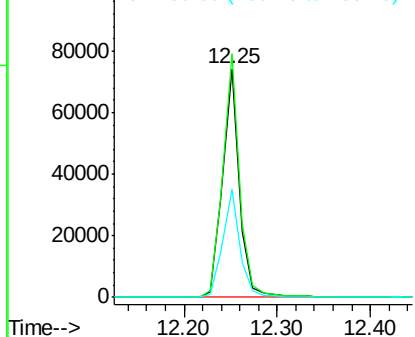
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 933
 Delta R.T. -0.05 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

Tgt Ion:164 Resp: 93296
 Ion Ratio Lower Upper
 164 100
 162 106.5 85.7 128.5
 160 47.2 38.2 57.4

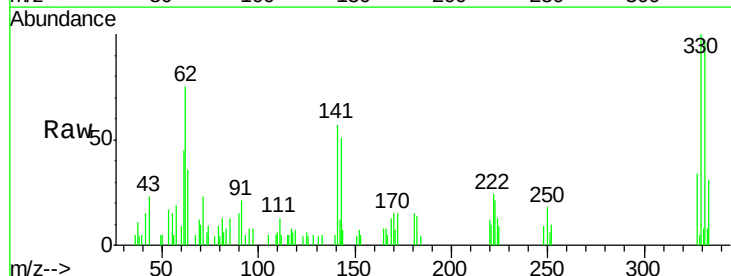


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

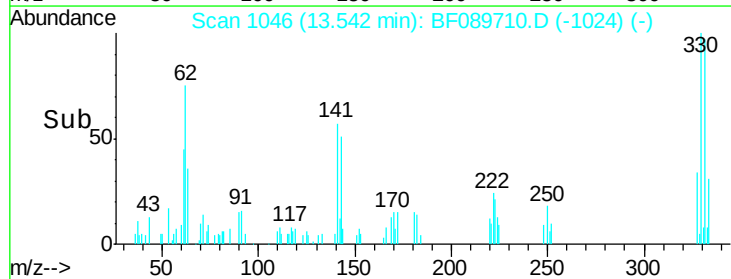
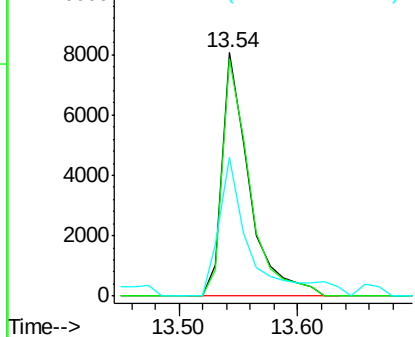


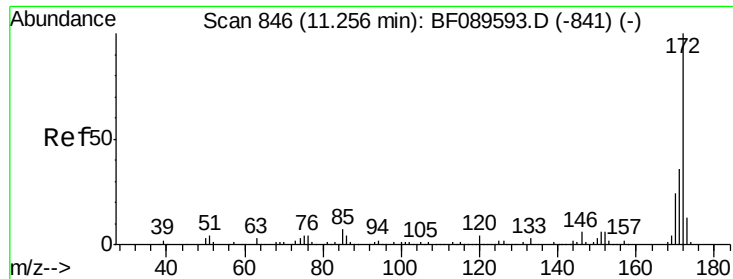
#41
 2,4,6-Tribromophenol
 Concen: 16.53 ng
 RT: 13.54 min Scan# 1046
 Delta R.T. -0.05 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Tgt Ion:330 Resp: 12724
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.0 115.6
 141 65.3 38.6 57.8#



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

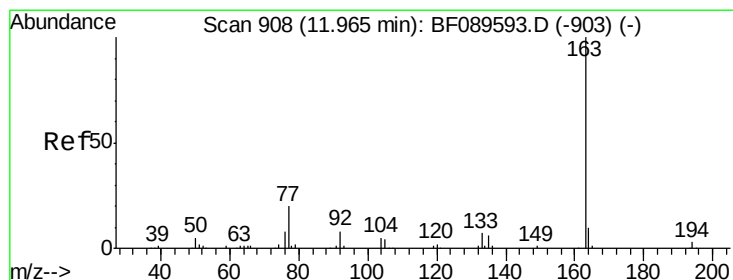
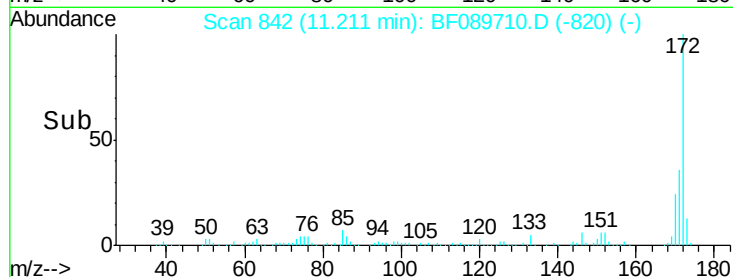
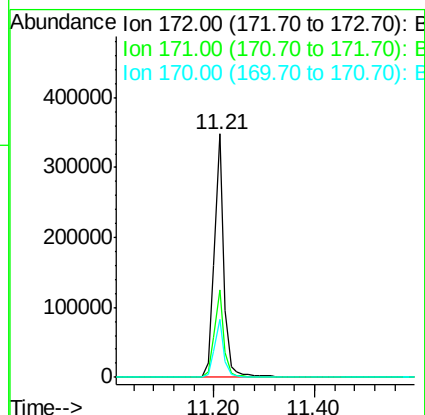
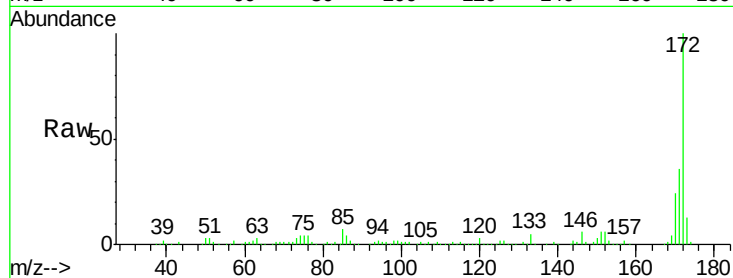




#44
2-Fluorobiphenyl
Concen: 64.55 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.05 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

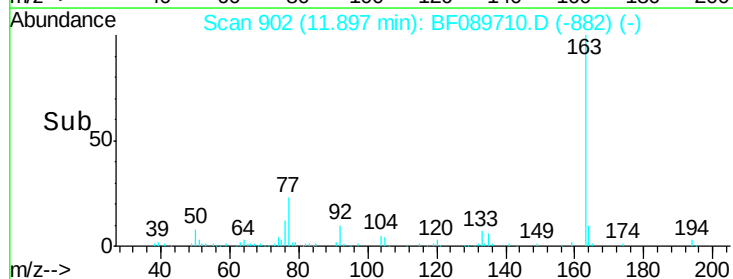
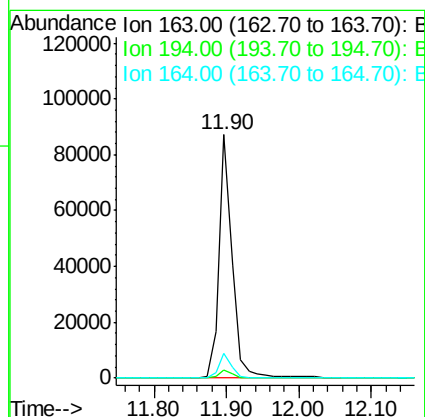
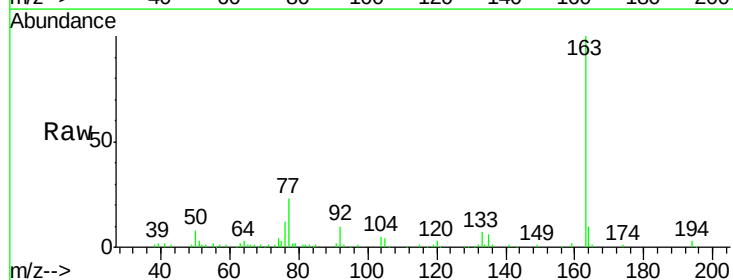
Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

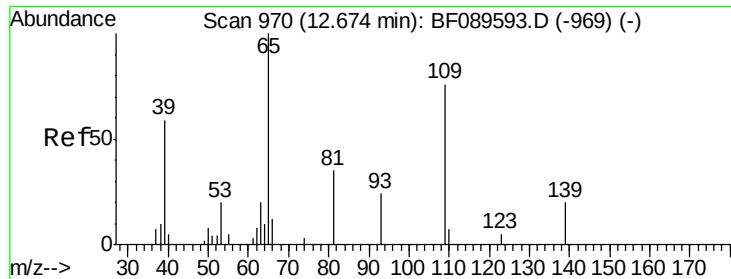
Tgt Ion:172 Resp: 463349
Ion Ratio Lower Upper
172 100
171 36.0 28.9 43.3
170 23.6 19.0 28.6



#49
Dimethylphthalate
Concen: 15.11 ng
RT: 11.90 min Scan# 902
Delta R.T. -0.07 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion:163 Resp: 110471
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.4 7.8 11.6

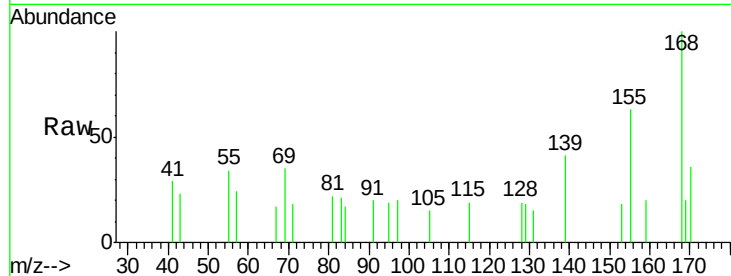




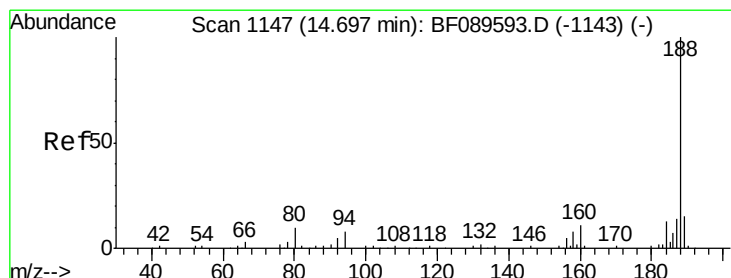
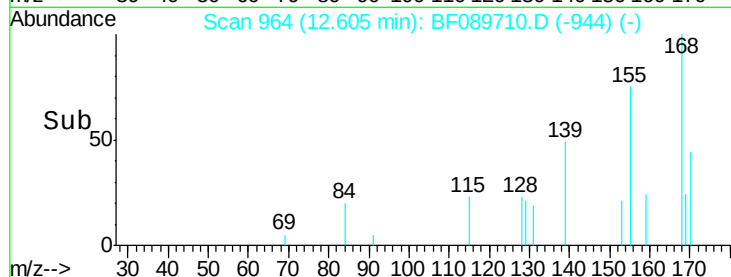
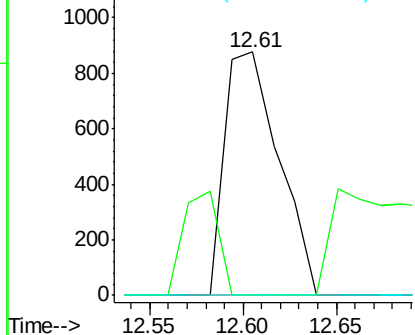
#55
4-Nitrophenol
Concen: 8.01 ng
RT: 12.61 min Scan# 964
Delta R.T. -0.07 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	28.9	68.9#
65	0.0	49.2	89.2#

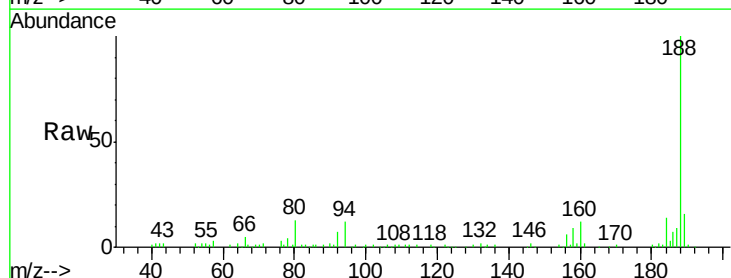


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

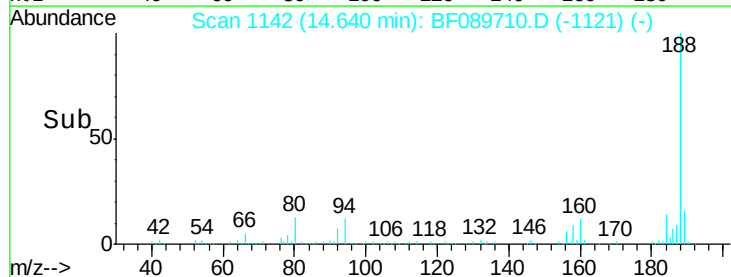
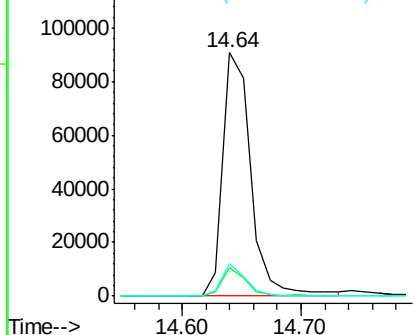


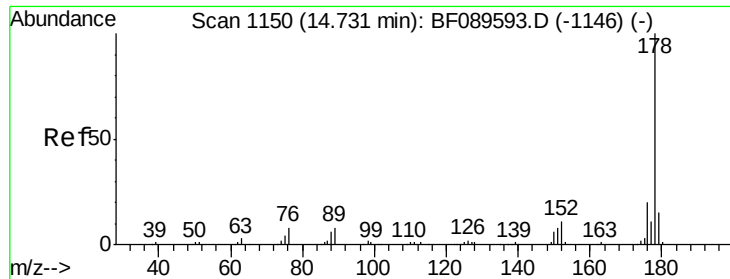
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.06 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	6.5	9.7#
80	13.4	8.0	12.0#



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

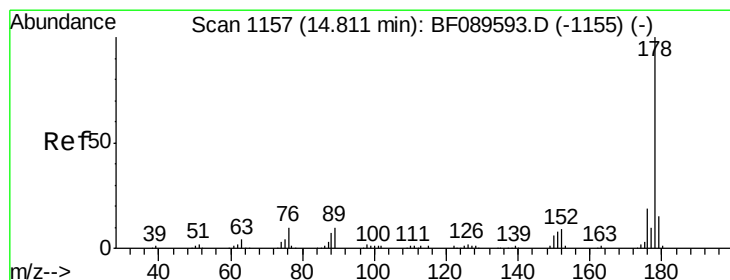
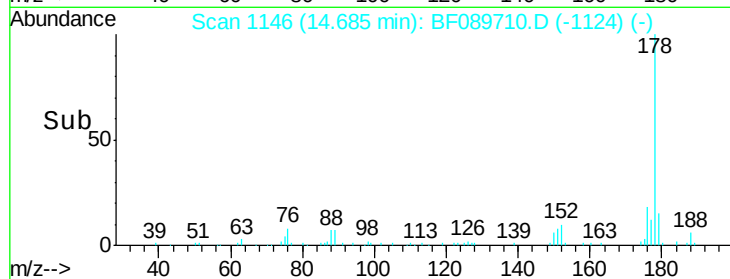
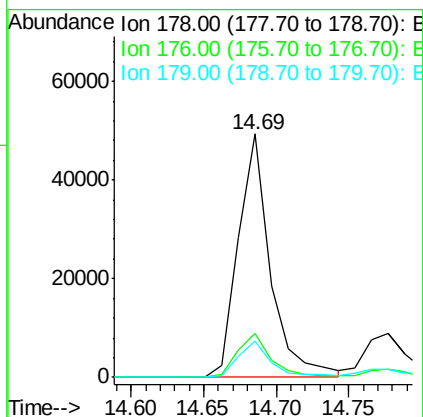
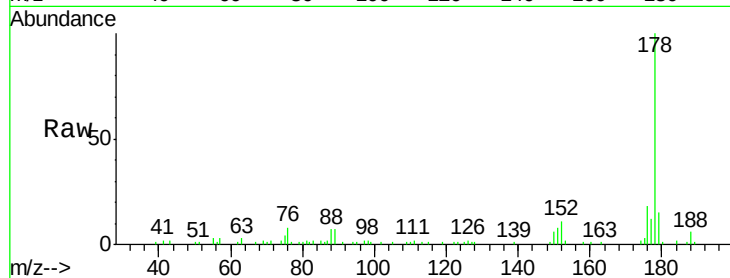




#70
 Phenanthrene
 Concen: 9.43 ng
 RT: 14.69 min Scan# 1146
 Delta R.T. -0.05 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

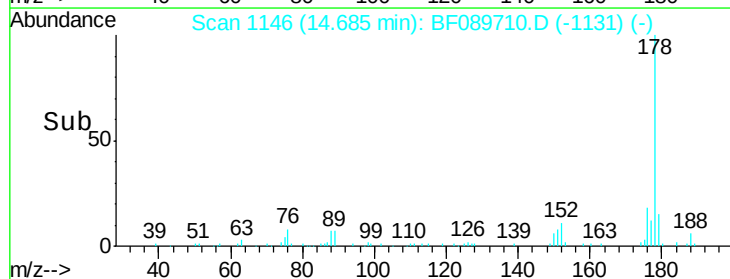
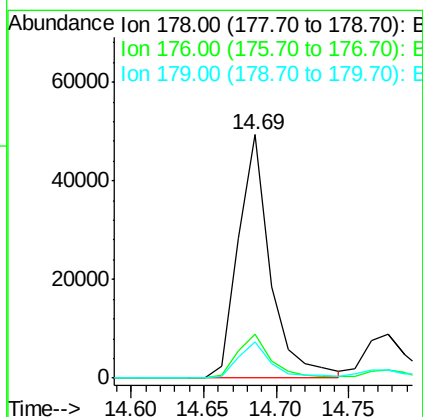
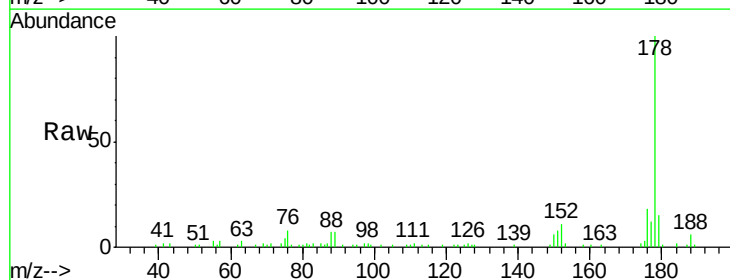
Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

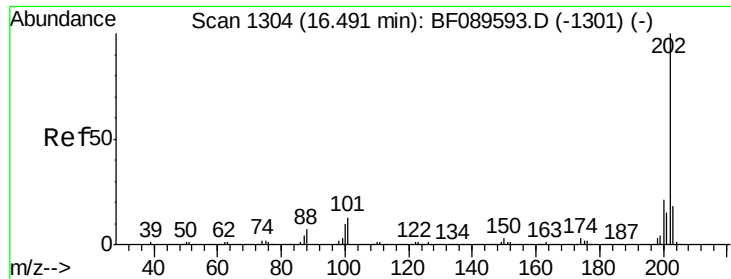
Tgt Ion:178 Resp: 76258
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.7 23.5
 179 15.1 12.2 18.2



#71
 Anthracene
 Concen: 8.80 ng
 RT: 14.69 min Scan# 1146
 Delta R.T. -0.13 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Tgt Ion:178 Resp: 76258
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 15.1 12.4 18.6

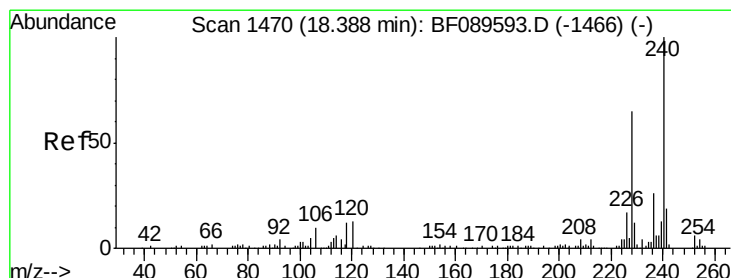
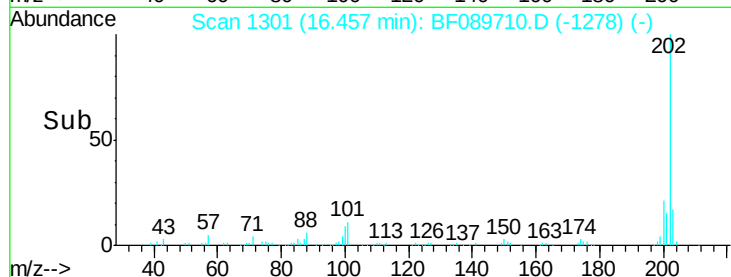
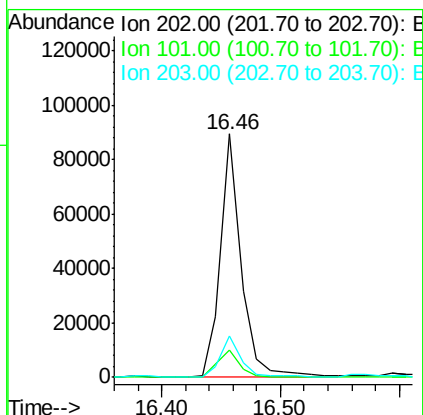
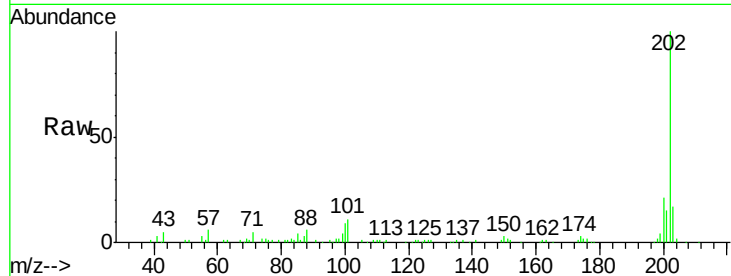




#74
 Fluoranthene
 Concen: 13.13 ng
 RT: 16.46 min Scan# 1301
 Delta R.T. -0.03 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

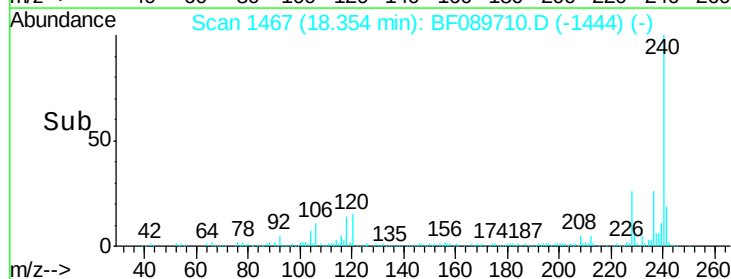
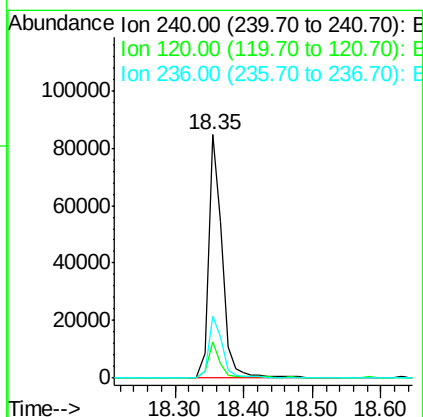
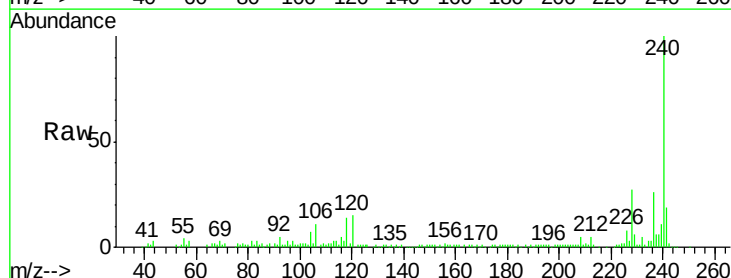
Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

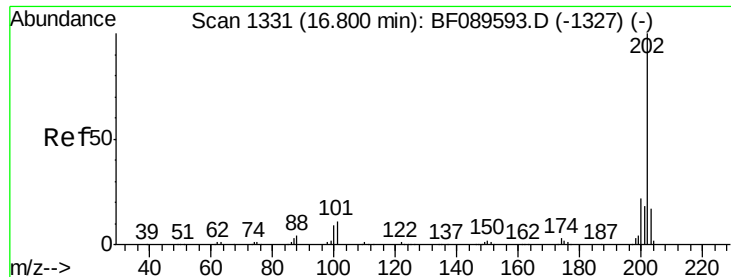
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.7
203	17.1	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.35 min Scan# 1467
 Delta R.T. -0.03 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.8	10.6	15.8
236	25.6	20.6	30.8





#77

Pyrene

Concen: 9.49 ng

RT: 16.75 min Scan# 1327

Delta R.T. -0.05 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

Instrument :

BNA_F

ClientSampleId :

DEL1-BASE(66)

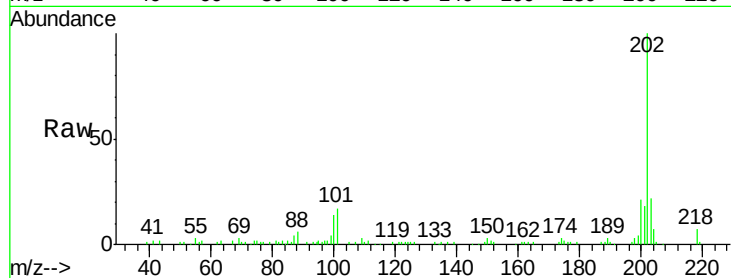
Tgt Ion:202 Resp: 97900

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.0

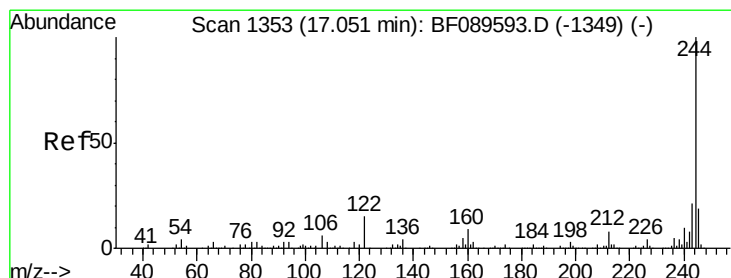
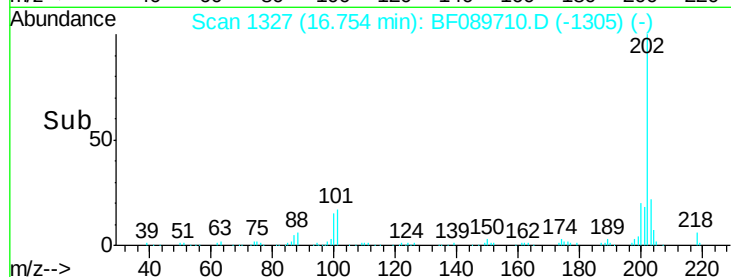
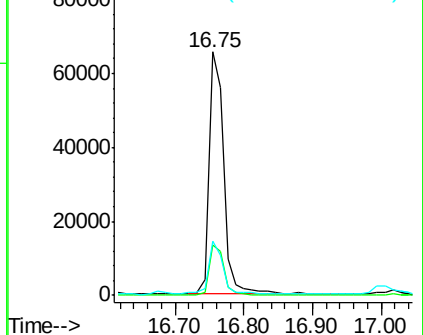
203 22.1 13.6 20.4#



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: 49.82 ng

RT: 17.02 min Scan# 1350

Delta R.T. -0.03 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

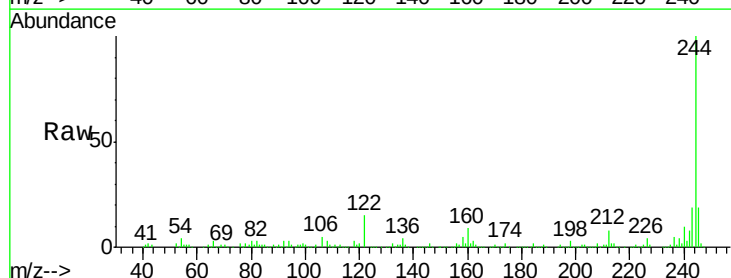
Tgt Ion:244 Resp: 294418

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

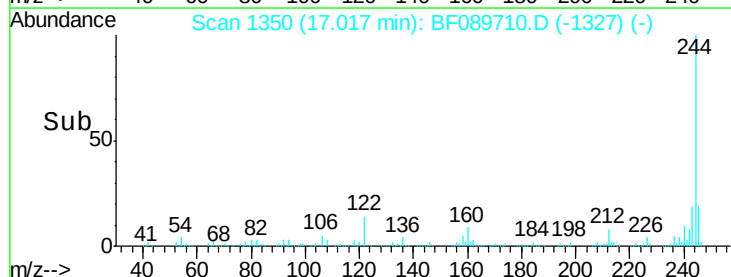
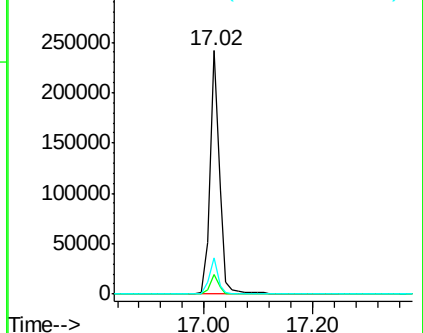
122 14.8 12.2 18.2

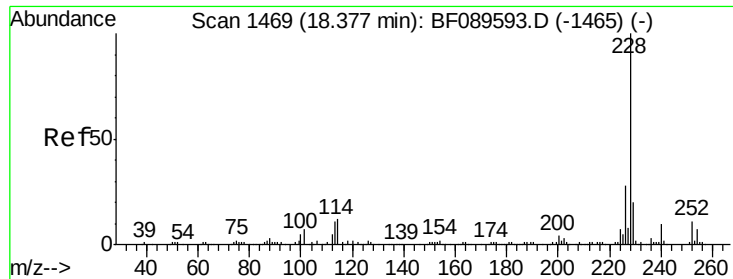


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.90 ng

RT: 18.34 min Scan# 1466

Delta R.T. -0.03 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

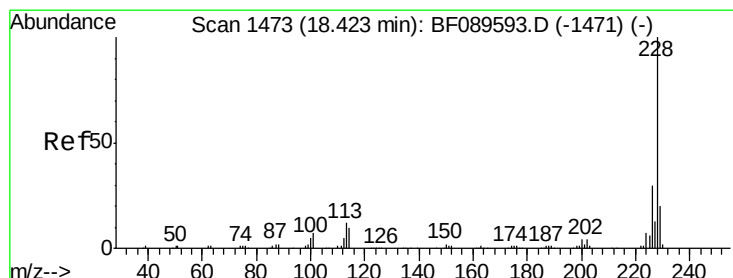
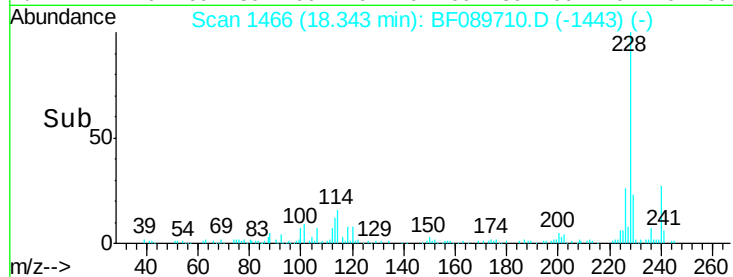
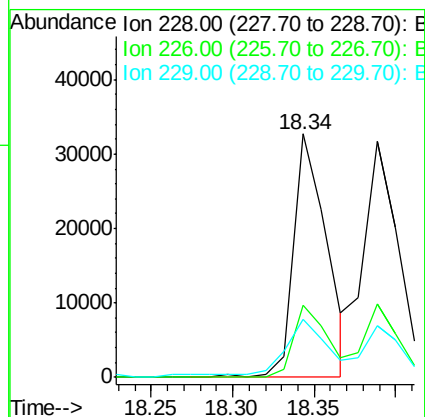
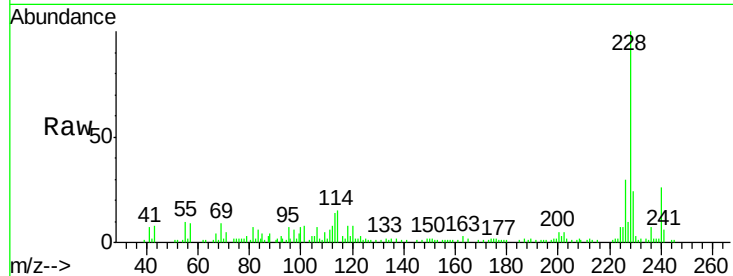
Instrument :

BNA_F

ClientSampleId :

DEL1-BASE(66)

Tgt Ion:	228	Resp:	46237
Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	23.8	15.9	23.9



#82

Chrysene

Concen: 6.85 ng

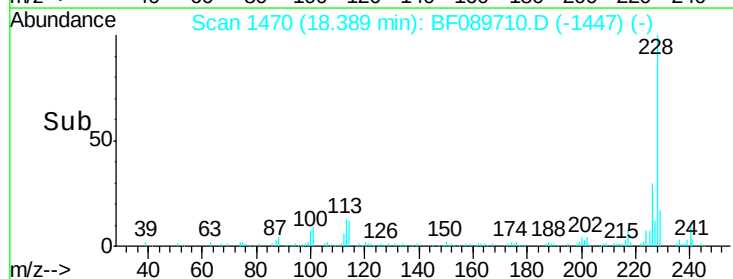
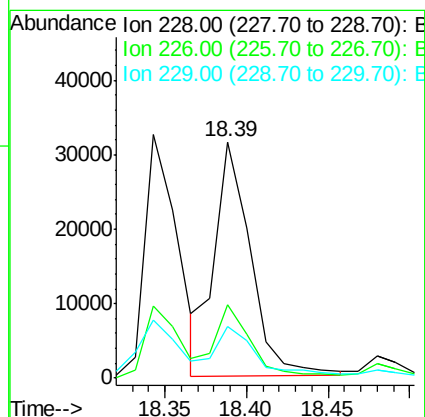
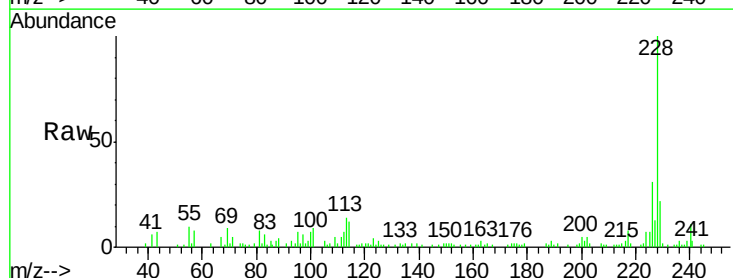
RT: 18.39 min Scan# 1470

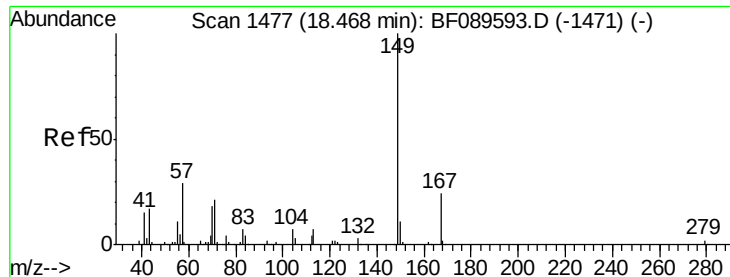
Delta R.T. -0.03 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

Tgt Ion:	228	Resp:	48142
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.2	36.2
229	22.0	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.07 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.02 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

Instrument :

BNA_F

ClientSampleId :

DEL1-BASE(66)

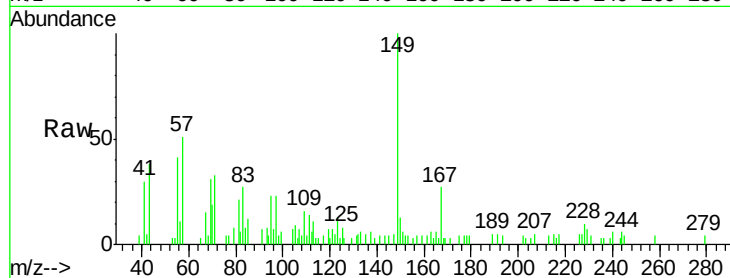
Tgt Ion:149 Resp: 12572

Ion Ratio Lower Upper

149 100

167 26.6 19.0 28.4

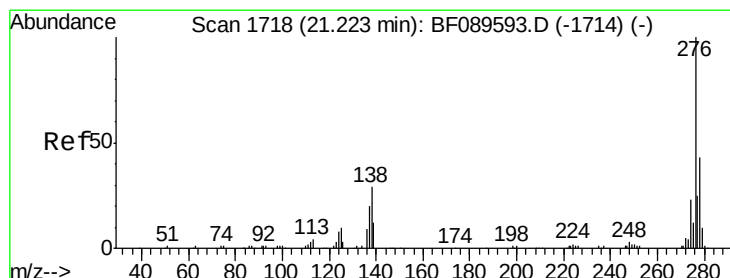
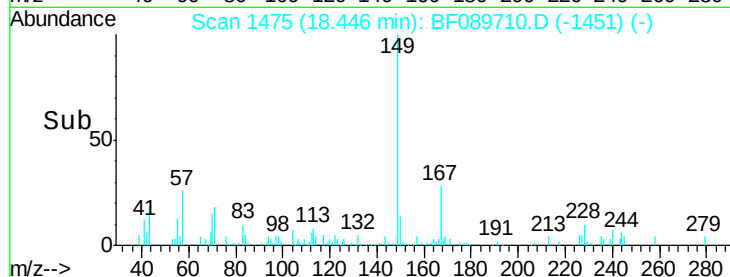
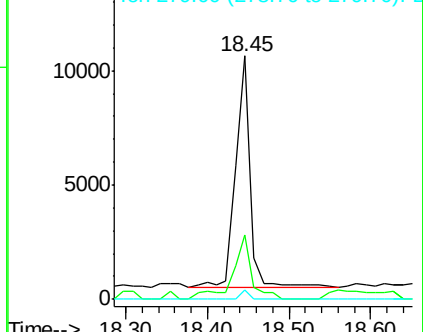
279 3.8 1.8 2.6#



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: 3.88 ng

RT: 21.21 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

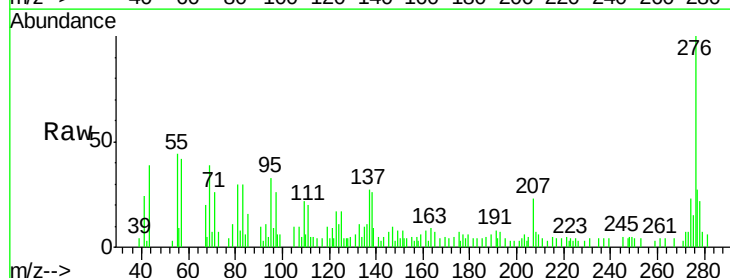
Tgt Ion:276 Resp: 20735

Ion Ratio Lower Upper

276 100

138 23.3 23.8 35.8#

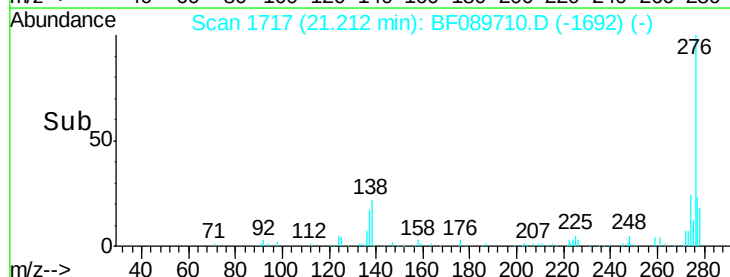
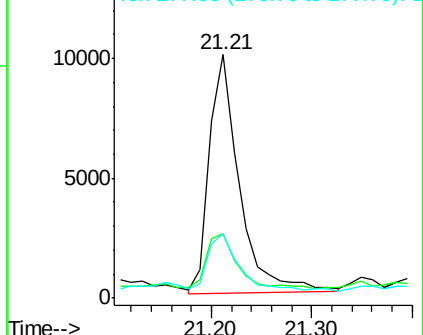
277 22.1 20.3 30.5

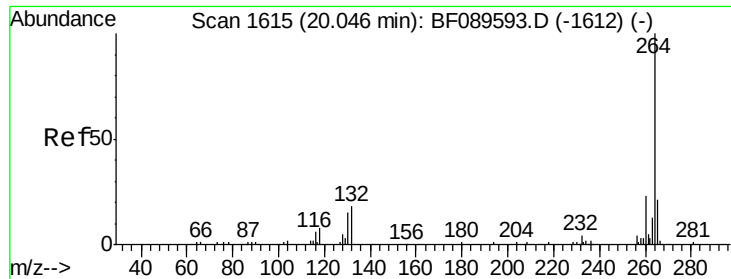


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

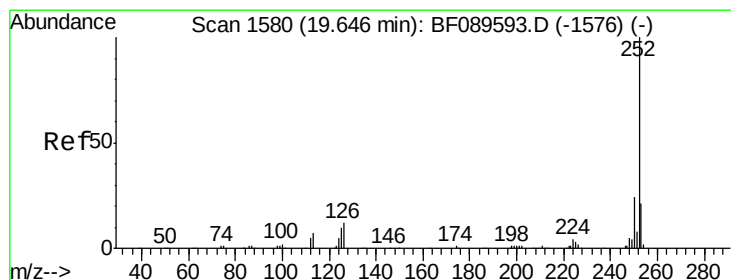
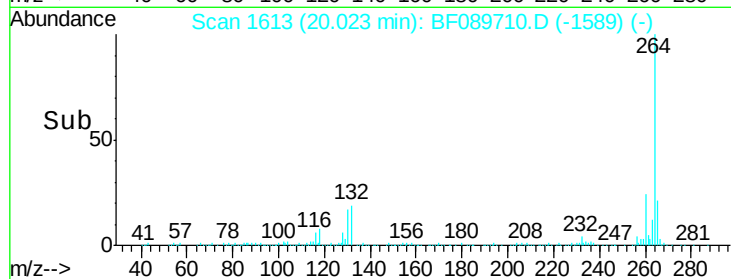
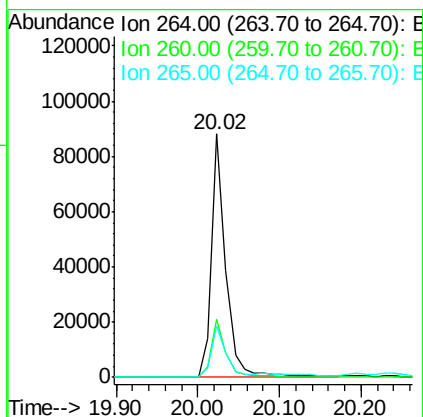
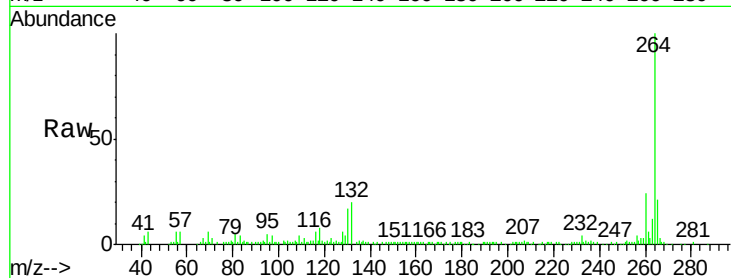




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

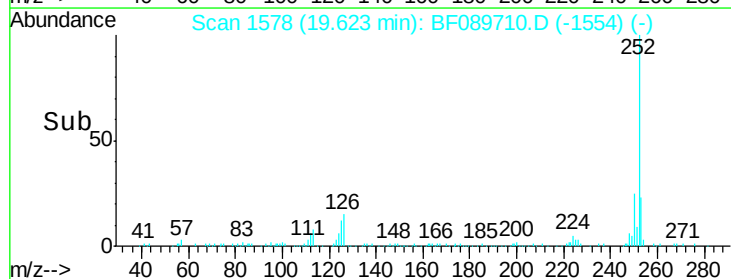
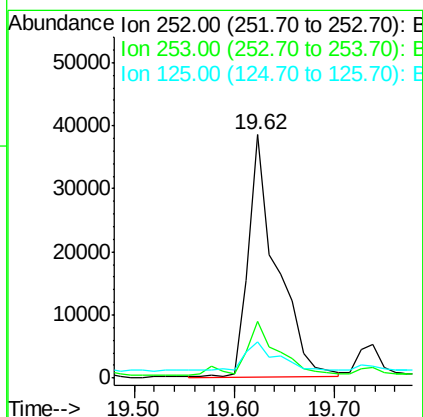
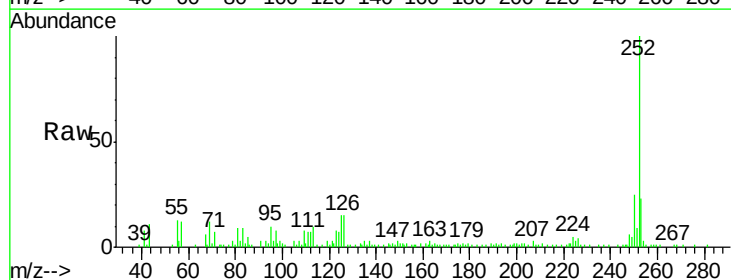
Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

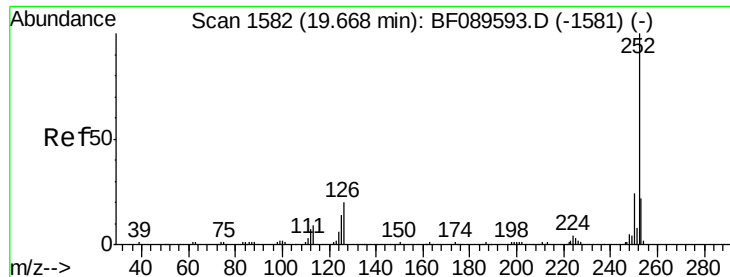
Tgt Ion:264 Resp: 109946
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.4 16.5 24.7



#87
Benzo(b)fluoranthene
Concen: 11.07 ng
RT: 19.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion:252 Resp: 74883
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 14.8 7.8 11.8#

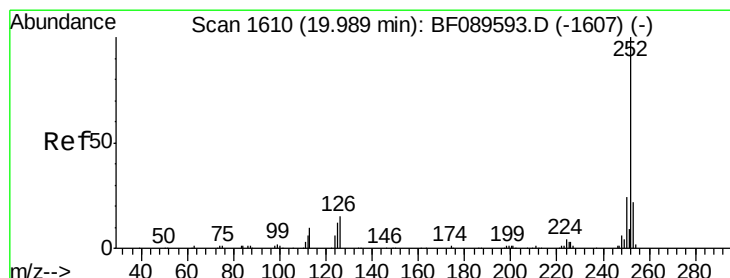
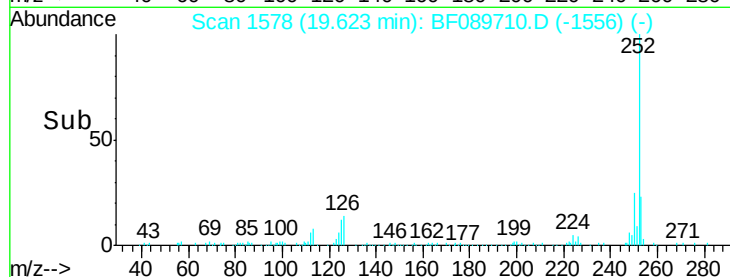
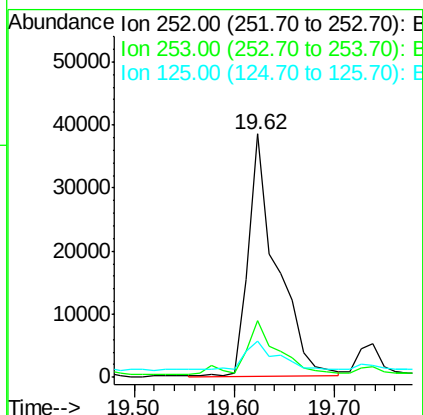
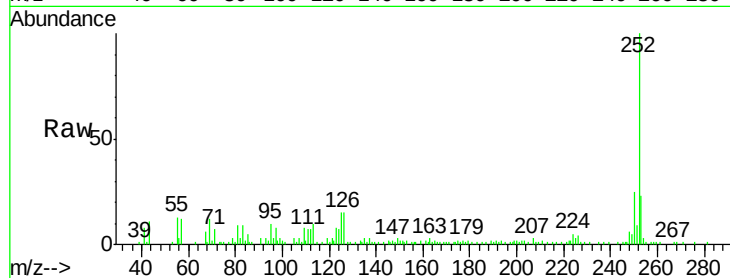




#88
Benzo(k)fluoranthene
Concen: 10.98 ng
RT: 19.62 min Scan# 1578
Delta R.T. -0.05 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

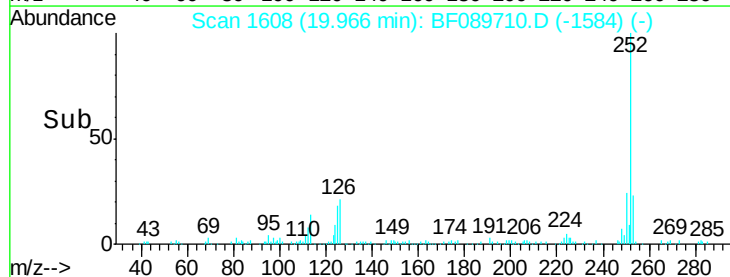
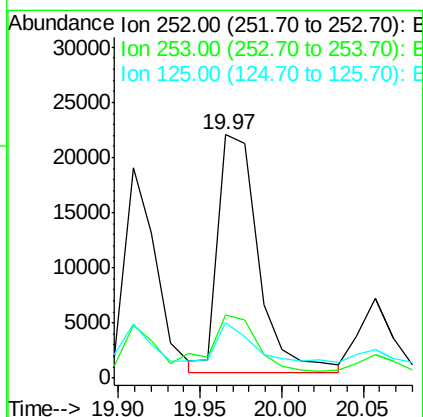
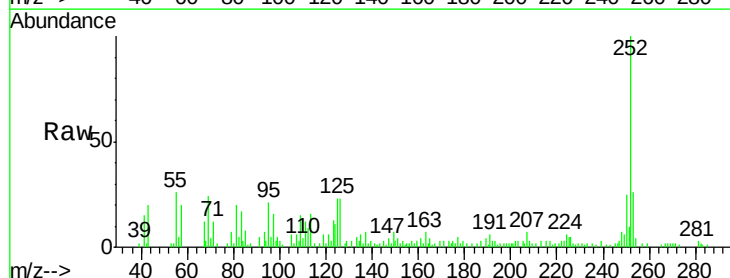
Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

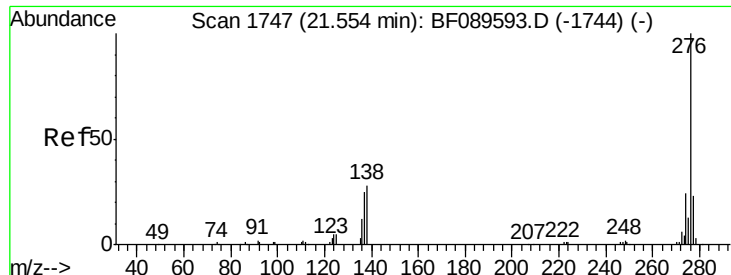
Tgt Ion:252 Resp: 74883
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 14.8 11.0 16.6



#89
Benzo(a)pyrene
Concen: 5.92 ng
RT: 19.97 min Scan# 1608
Delta R.T. -0.02 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion:252 Resp: 37453
Ion Ratio Lower Upper
252 100
253 25.7 17.4 26.0
125 22.8 9.9 14.9#





#91

Benzo(g,h,i)perylene

Concen: 3.49 ng

RT: 21.54 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF089710.D

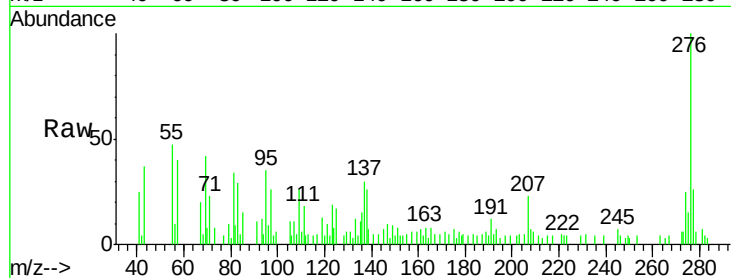
Acq: 10 Aug 2016 22:47

Instrument :

BNA_F

ClientSampleId :

DEL1-BASE(66)



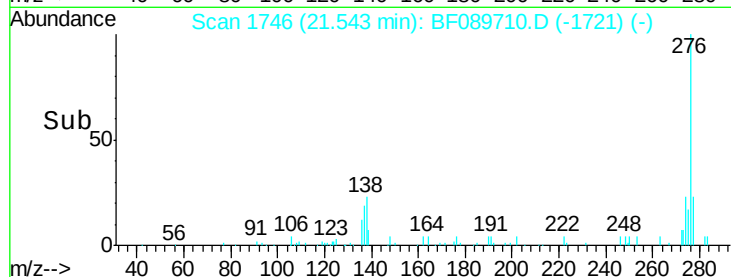
Tgt Ion: 276 Resp: 21134

Ion Ratio Lower Upper

276 100

277 26.0 18.6 28.0

138 26.2 22.6 33.8



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

