

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089713.D
 Acq On : 11 Aug 2016 00:21
 Operator : UM/SJ
 Sample : H4400-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL3(0-6)

Quant Time: Aug 11 01:13:28 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	50819	20.00	ng	-0.05
21) Naphthalene-d8	9.43	136	201432	20.00	ng	-0.05
38) Acenaphthene-d10	12.25	164	81403	20.00	ng	-0.05
63) Phenanthrene-d10	14.65	188	121978	20.00	ng	-0.05
75) Chrysene-d12	18.37	240	114143	20.00	ng	-0.02
86) Perylene-d12	20.03	264	93006	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	317969	104.87	ng	-0.01
7) Phenol-d6	6.97	99	411236	99.98	ng	-0.01
23) Nitrobenzene-d5	8.31	82	245061	67.29	ng	-0.06
41) 2,4,6-Tribromophenol	13.54	330	53001	78.90	ng	-0.05
44) 2-Fluorobiphenyl	11.21	172	400524	63.95	ng	-0.05
78) Terphenyl-d14	17.02	244	249268	43.11	ng	-0.03

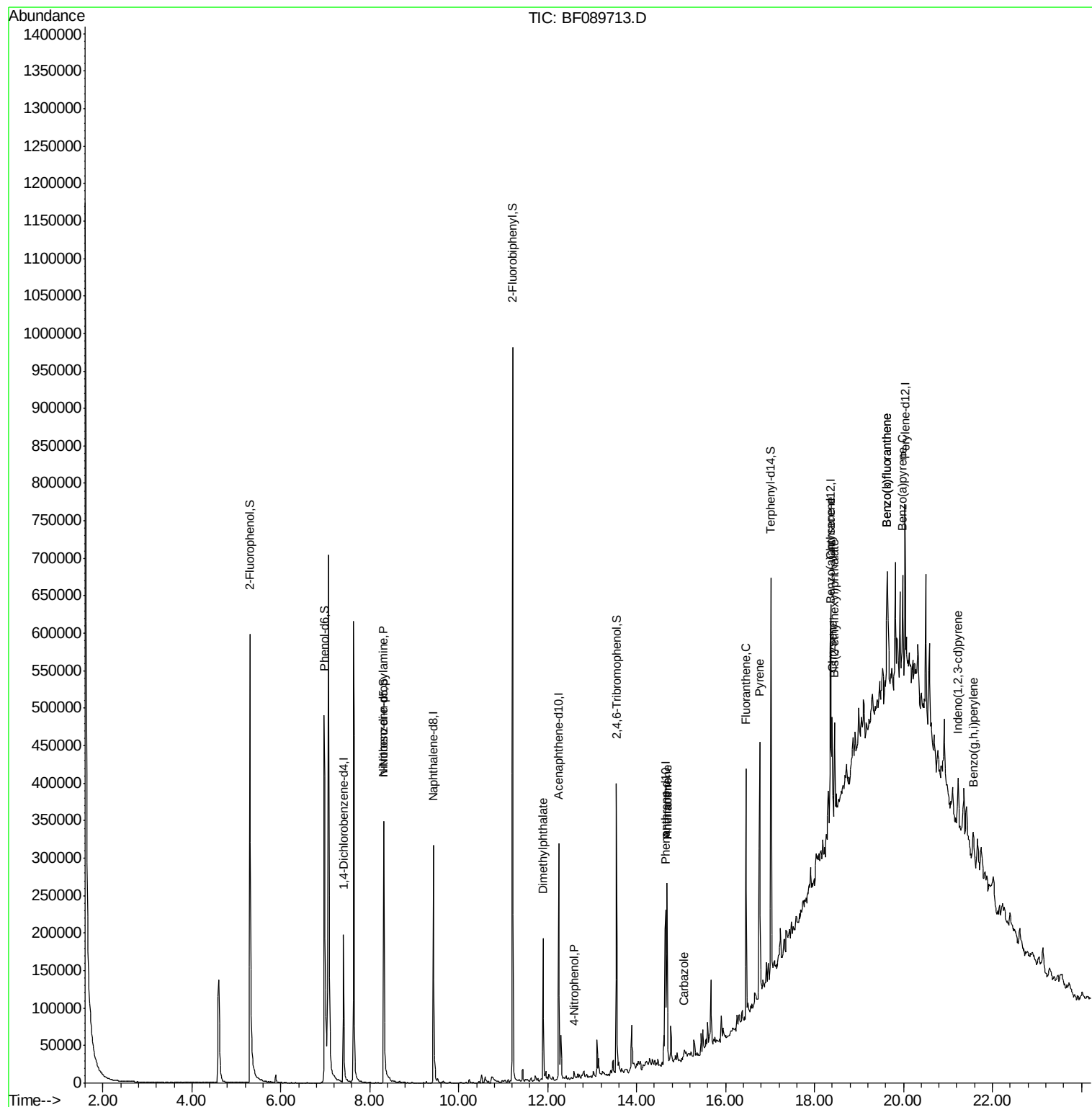
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.31	70	29821	10.04	ng	# 84
49) Dimethylphthalate	11.90	163	101363	15.89	ng	99
55) 4-Nitrophenol	12.59	139	3730	9.80	ng	# 29
70) Phenanthrene	14.69	178	132703	20.01	ng	98
71) Anthracene	14.69	178	132703	18.66	ng	99
72) Carbazole	15.07	167	19136	3.23	ng	98
74) Fluoranthene	16.46	202	177052	25.97	ng	99
77) Pyrene	16.77	202	151868	15.05	ng	96
80) Benzo(a)anthracene	18.35	228	82981	12.65	ng	97
82) Chrysene	18.40	228	66283	9.63	ng	97
83) Bis(2-ethylhexyl)phthalate	18.45	149	52110	8.76	ng	98
85) Indeno(1,2,3-cd)pyrene	21.22	276	30746	5.88	ng	# 91
87) Benzo(b)fluoranthene	19.63	252	113577	19.86	ng	# 84
88) Benzo(k)fluoranthene	19.63	252	113577	19.68	ng	# 87
89) Benzo(a)pyrene	19.98	252	55623	10.39	ng	# 77
91) Benzo(g,h,i)perylene	21.57	276	29205	5.70	ng	95

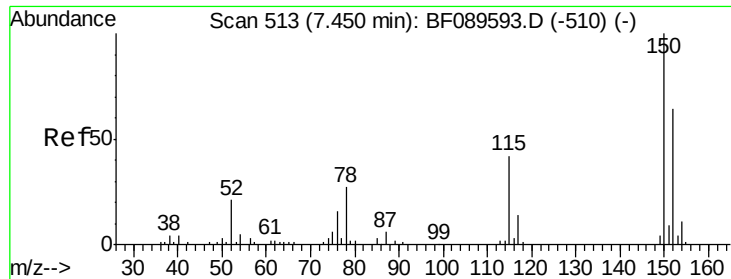
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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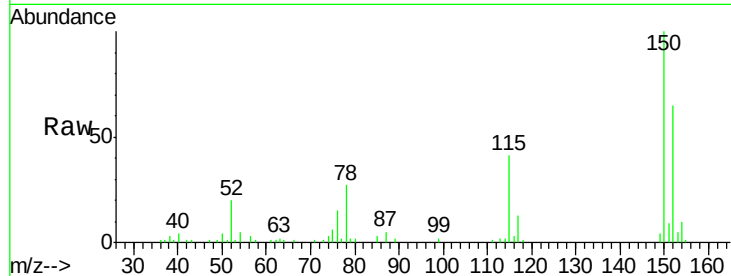


#1

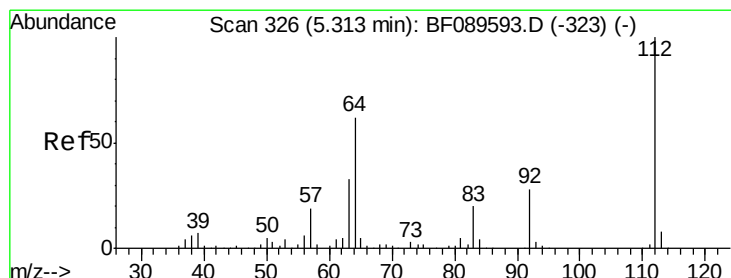
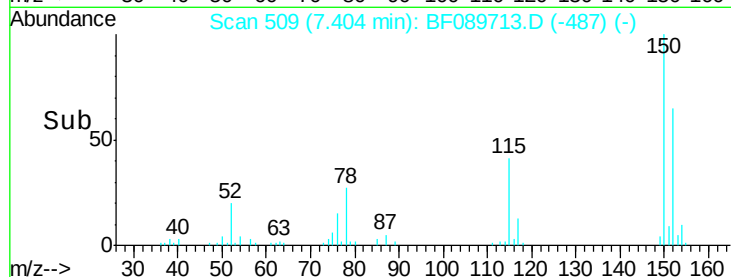
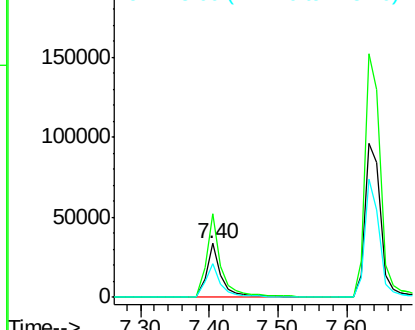
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.05 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

Tgt Ion:152 Resp: 50819
Ion Ratio Lower Upper
152 100
150 154.3 125.5 188.3
115 63.4 52.0 78.0



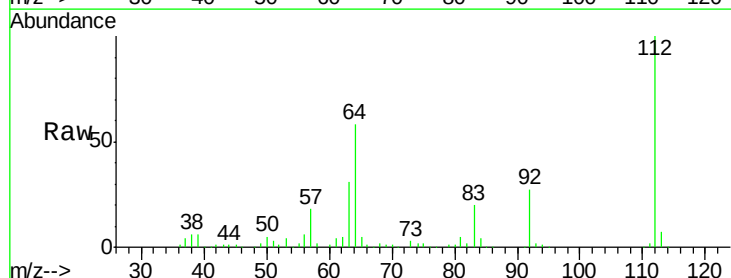
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



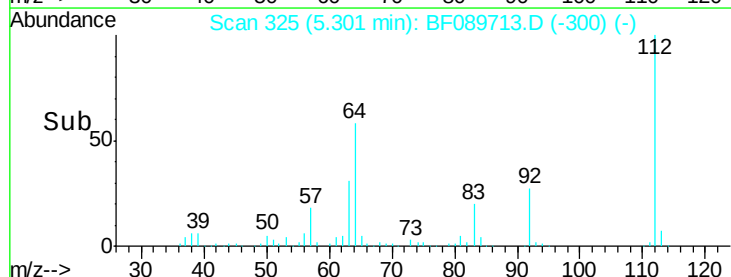
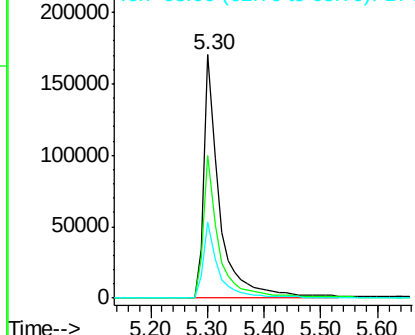
#5

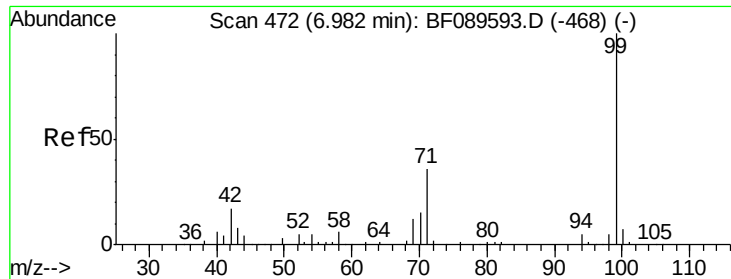
2-Fluorophenol
Concen: 104.87 ng
RT: 5.30 min Scan# 325
Delta R.T. -0.01 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Tgt Ion:112 Resp: 317969
Ion Ratio Lower Upper
112 100
64 58.4 49.9 74.9
63 31.1 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: 99.98 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

DEL3(0-6)

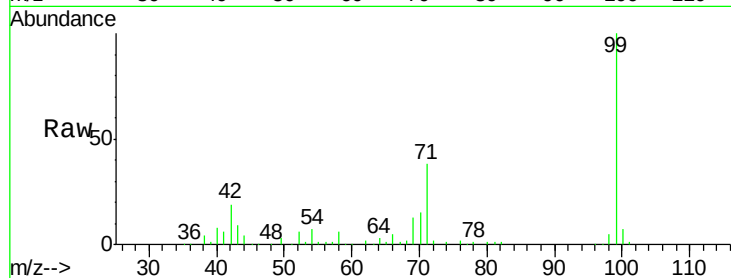
Tgt Ion: 99 Resp: 411236

Ion Ratio Lower Upper

99 100

42 18.6 13.7 20.5

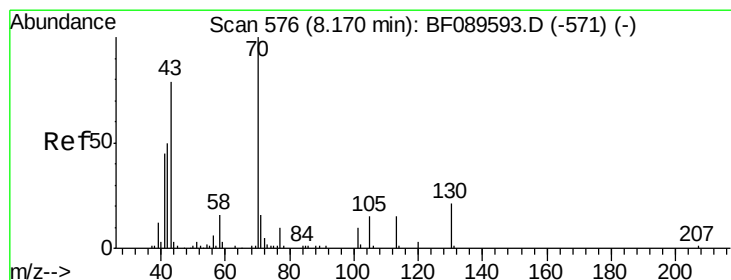
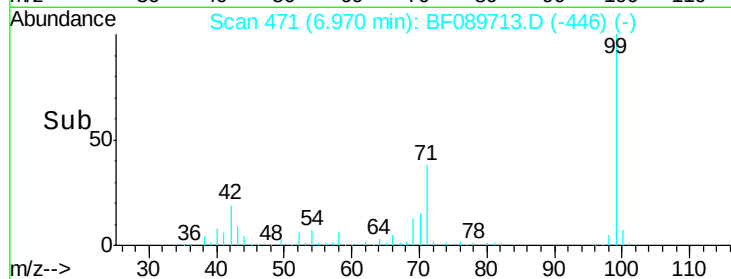
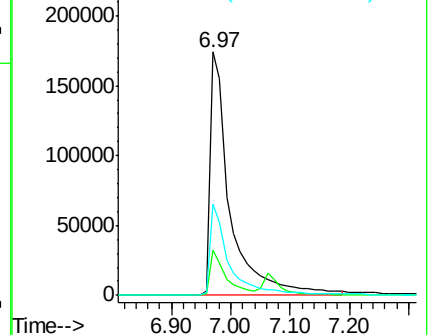
71 37.5 29.0 43.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.04 ng

RT: 8.31 min Scan# 588

Delta R.T. 0.14 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Tgt Ion: 70 Resp: 29821

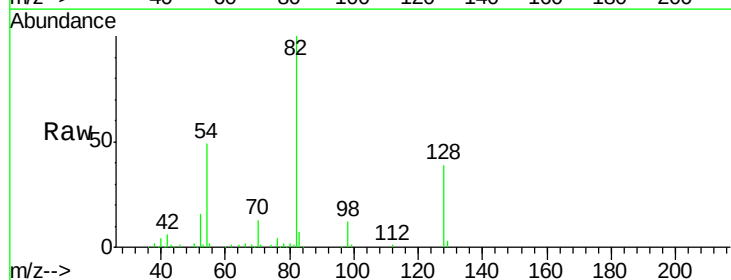
Ion Ratio Lower Upper

70 100

42 48.3 40.2 60.2

101 0.0 7.8 11.6#

130 0.0 16.4 24.6#

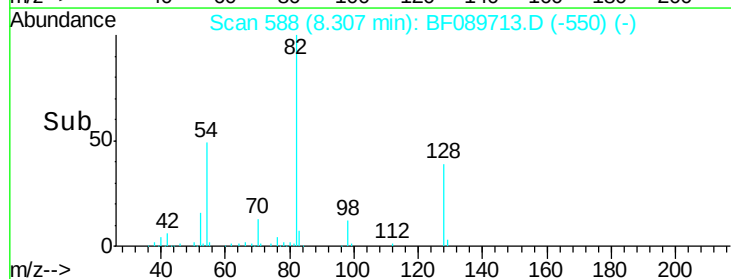
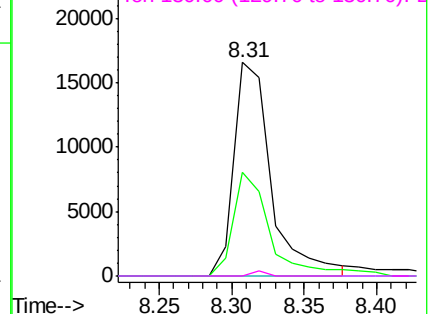


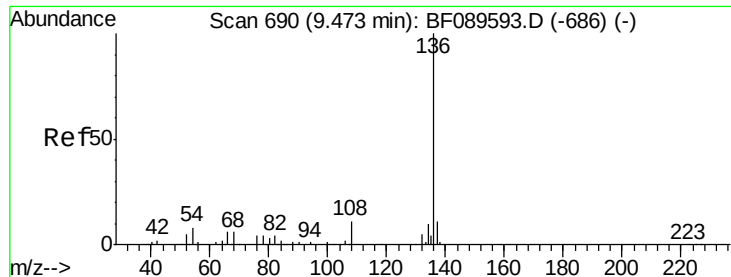
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

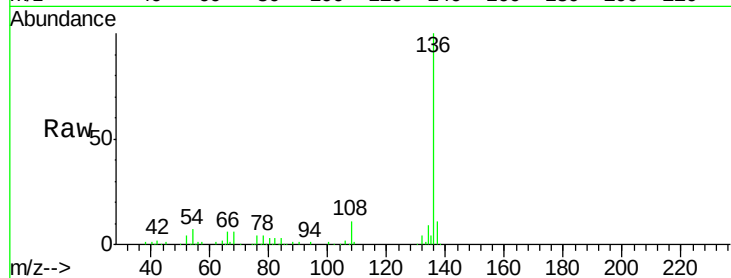




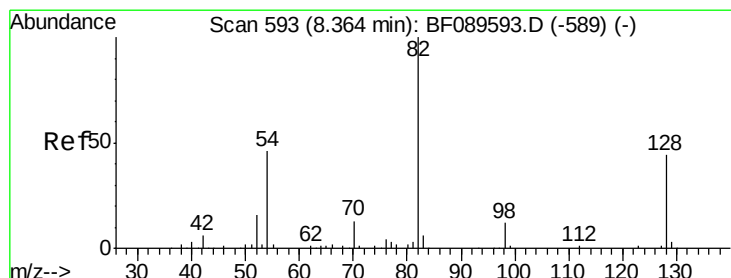
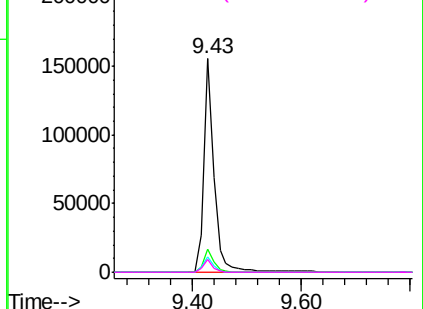
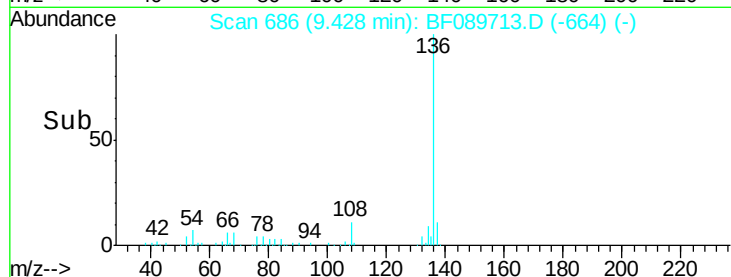
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.05 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

Tgt Ion:	136	Resp:	201432
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.4	6.0	9.0
68	5.9	4.6	6.8

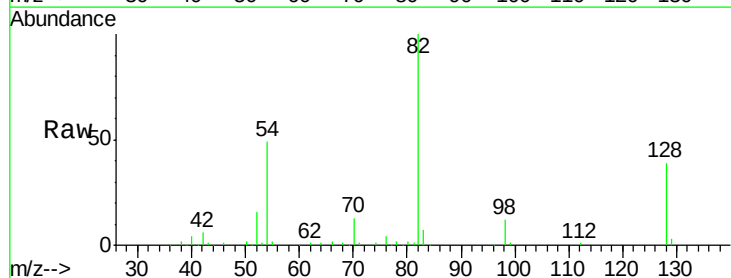


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

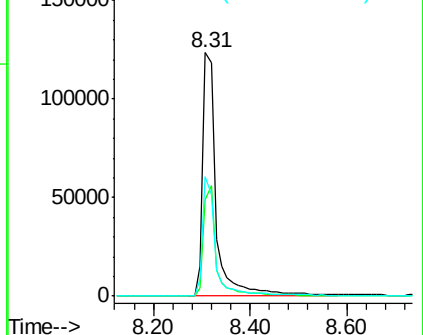
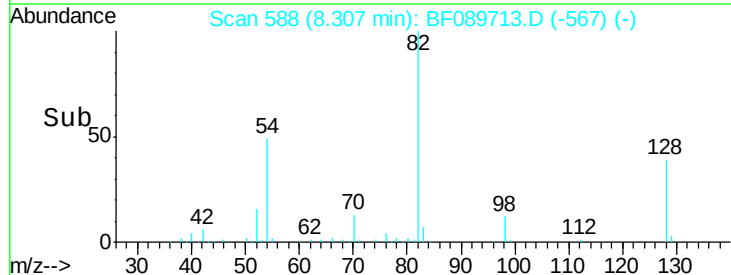


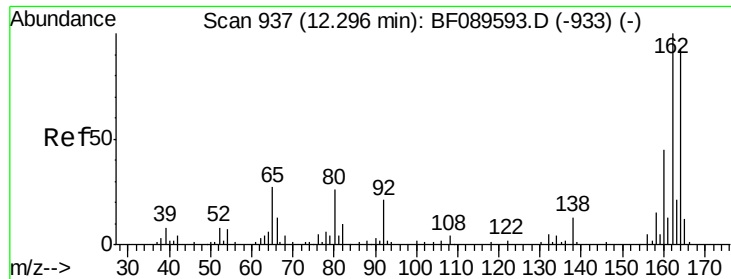
#23
Nitrobenzene-d5
Concen: 67.29 ng
RT: 8.31 min Scan# 588
Delta R.T. -0.06 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Tgt Ion:	82	Resp:	245061
Ion	Ratio	Lower	Upper
82	100		
128	39.4	35.4	53.0
54	49.2	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

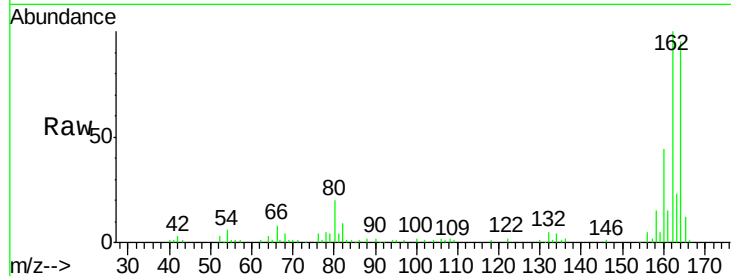




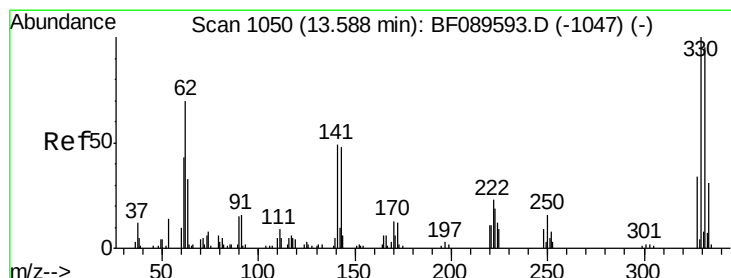
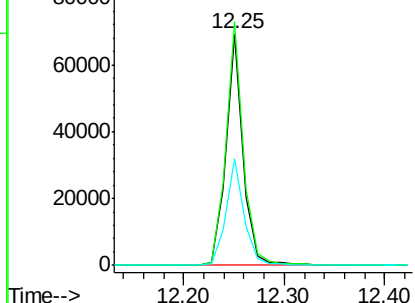
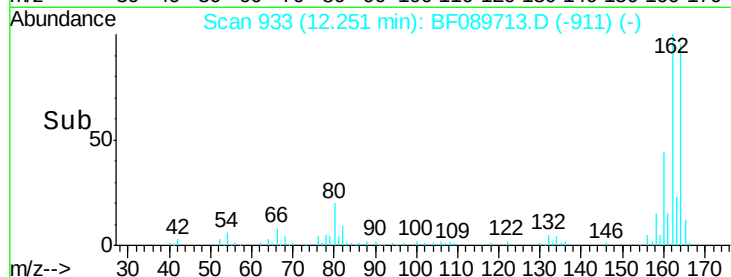
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 933
 Delta R.T. -0.05 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 DEL3(0-6)

Tgt Ion:164 Resp: 81403
 Ion Ratio Lower Upper
 164 100
 162 105.2 85.7 128.5
 160 46.2 38.2 57.4

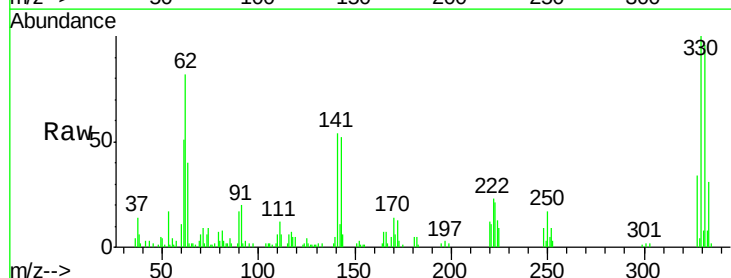


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

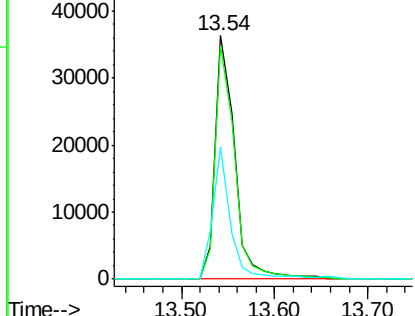
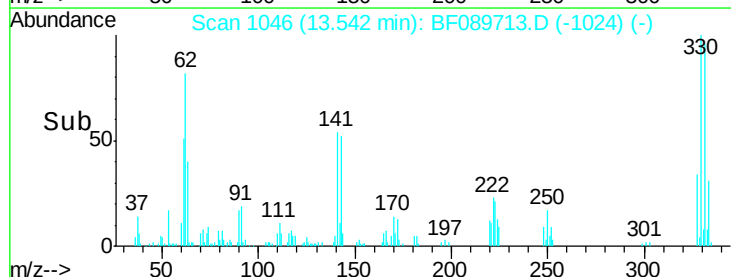


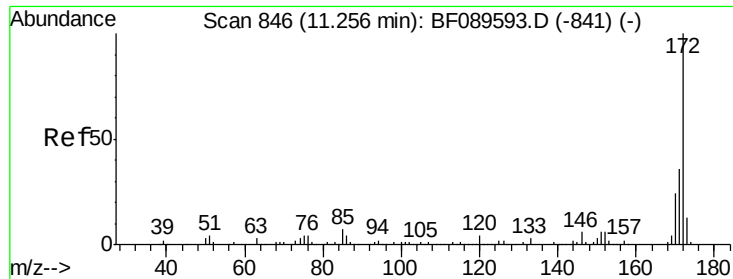
#41
 2,4,6-Tribromophenol
 Concen: 78.90 ng
 RT: 13.54 min Scan# 1046
 Delta R.T. -0.05 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Tgt Ion:330 Resp: 53001
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 51.5 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

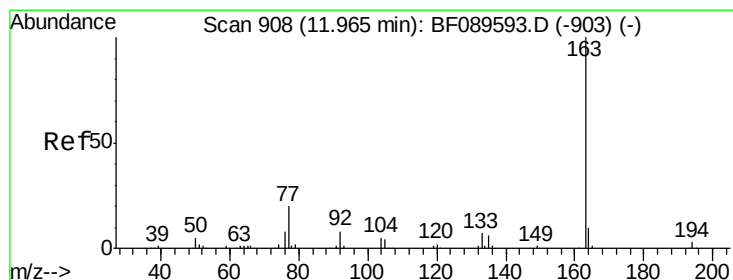
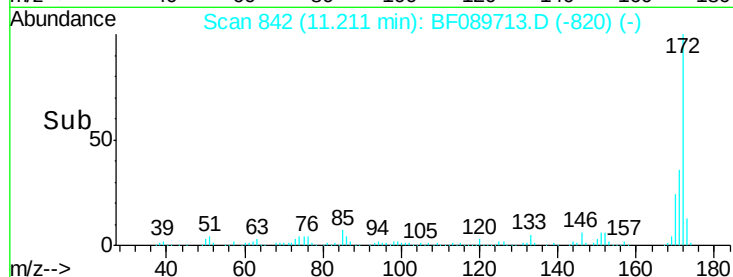
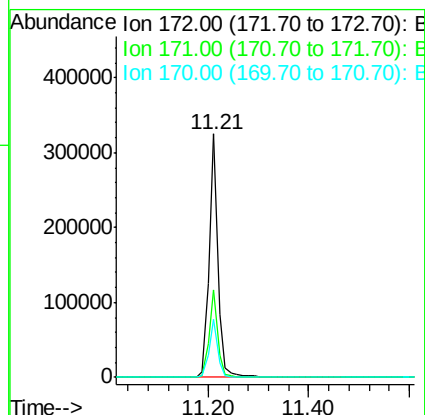
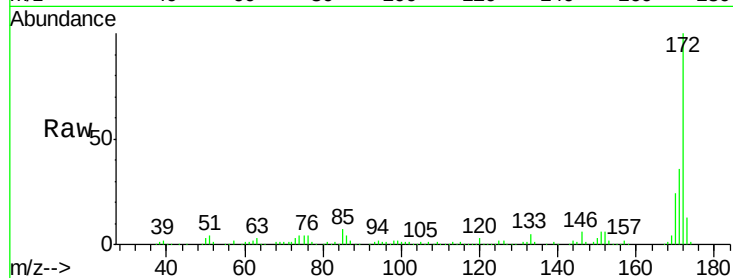




#44
 2-Fluorobiphenyl
 Concen: 63.95 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.05 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

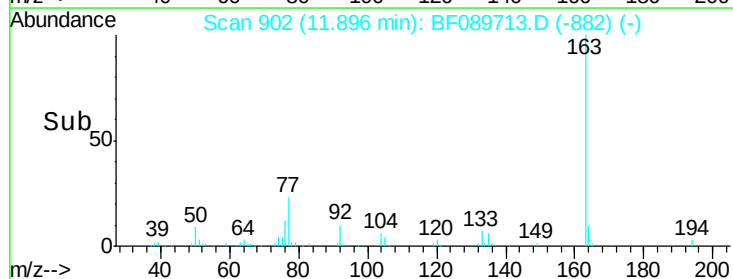
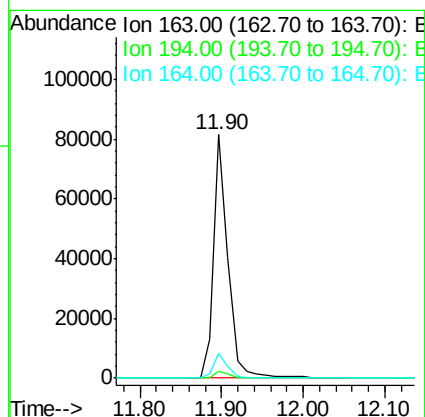
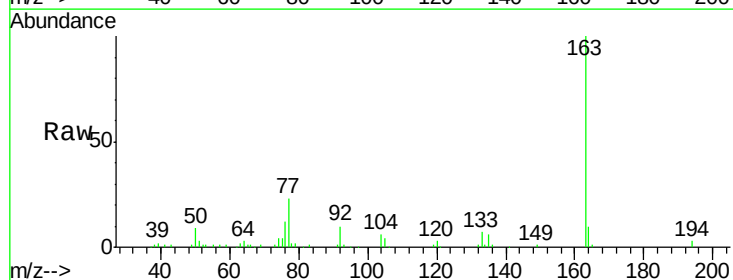
Instrument :
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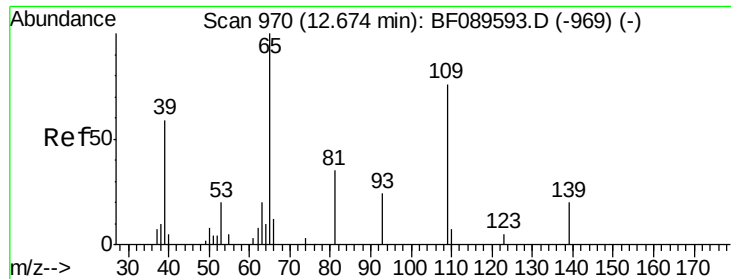
Tgt Ion:172 Resp: 400524
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.9 43.3
 170 23.7 19.0 28.6



#49
 Dimethylphthalate
 Concen: 15.89 ng
 RT: 11.90 min Scan# 902
 Delta R.T. -0.07 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Tgt Ion:163 Resp: 101363
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.7 4.1
 164 10.2 7.8 11.6

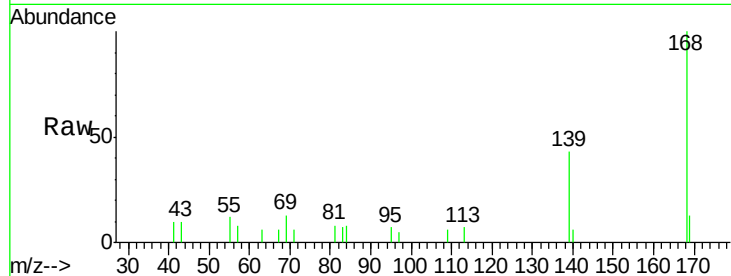




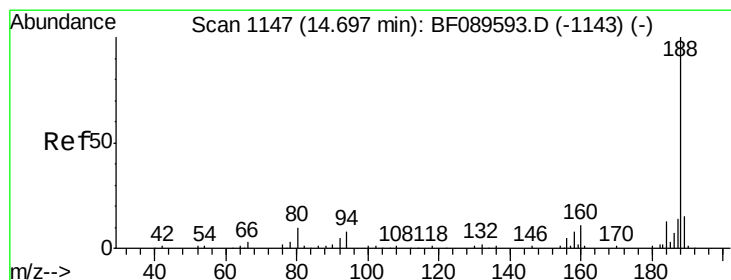
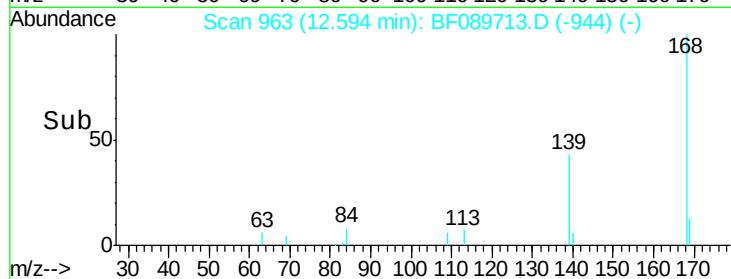
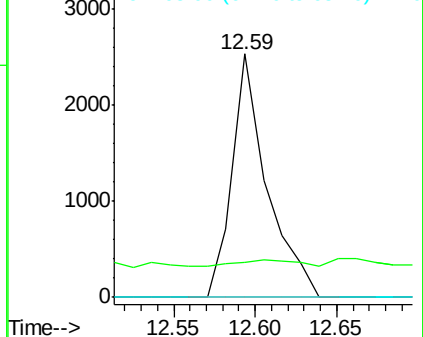
#55
4-Nitrophenol
Concen: 9.80 ng
RT: 12.59 min Scan# 963
Delta R.T. -0.08 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

Tgt Ion:139 Resp: 3730
Ion Ratio Lower Upper
139 100
109 14.4 28.9 68.9#
65 0.0 49.2 89.2#

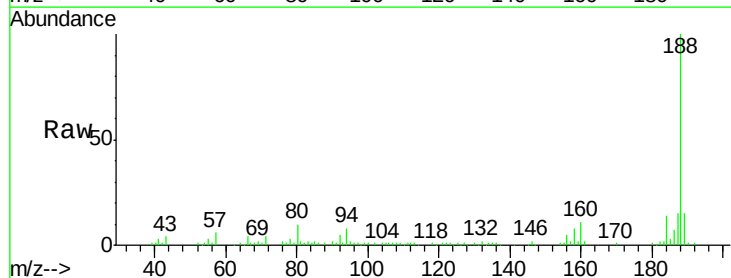


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

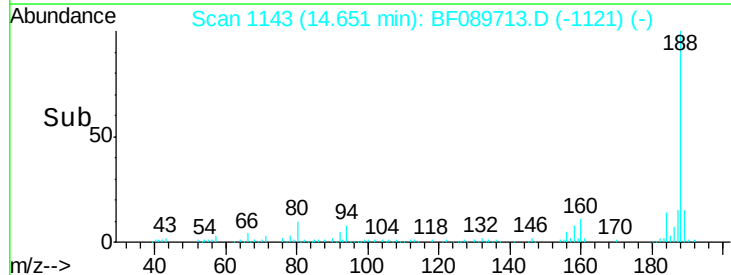
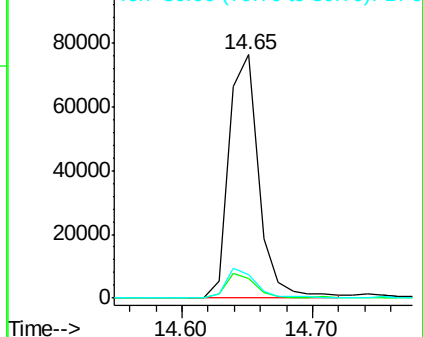


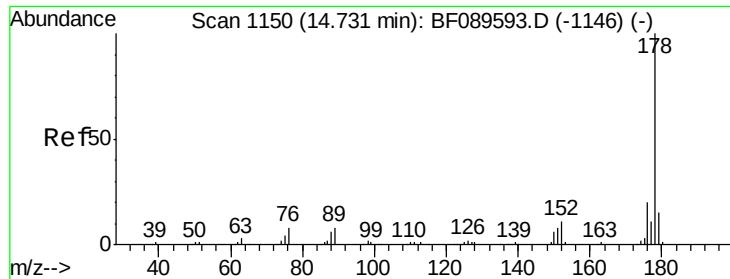
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.65 min Scan# 1143
Delta R.T. -0.05 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Tgt Ion:188 Resp: 121978
Ion Ratio Lower Upper
188 100
94 8.2 6.5 9.7
80 9.7 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

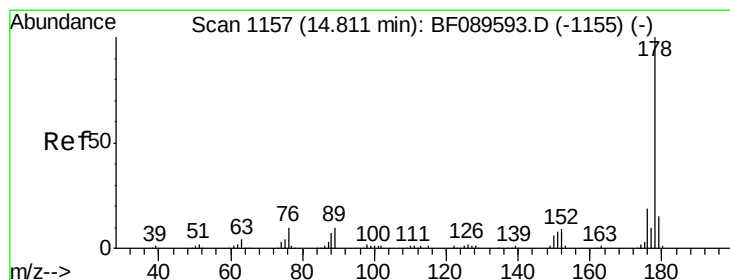
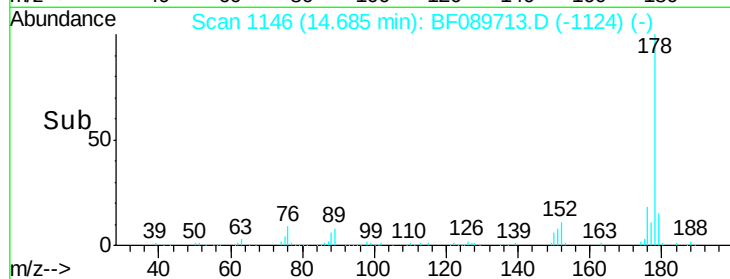
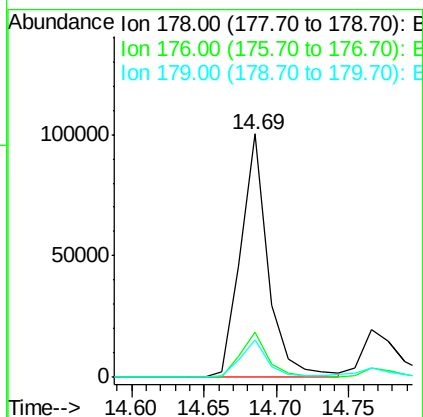
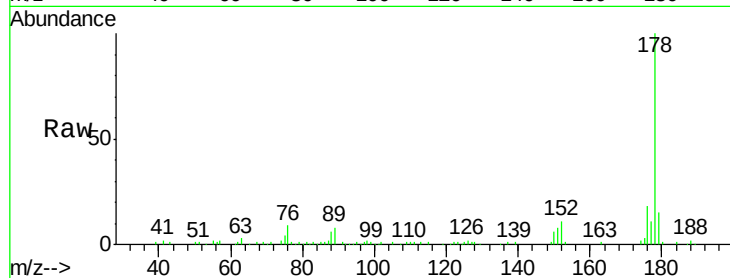




#70
Phenanthrene
Concen: 20.01 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.05 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

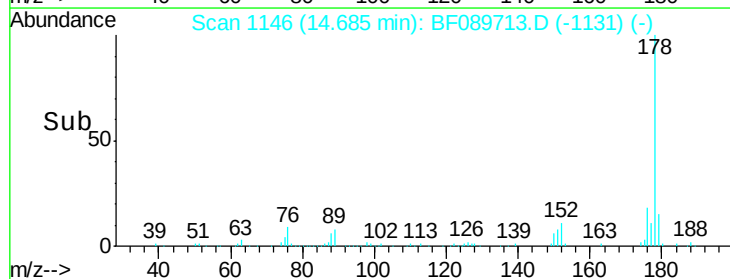
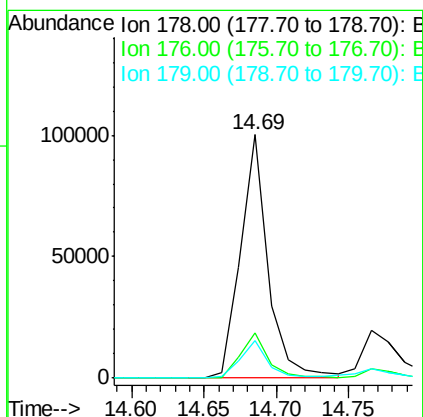
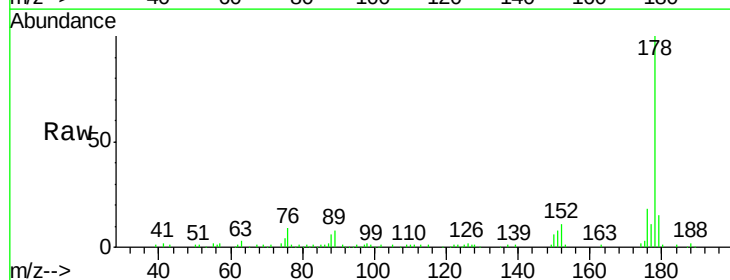
Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

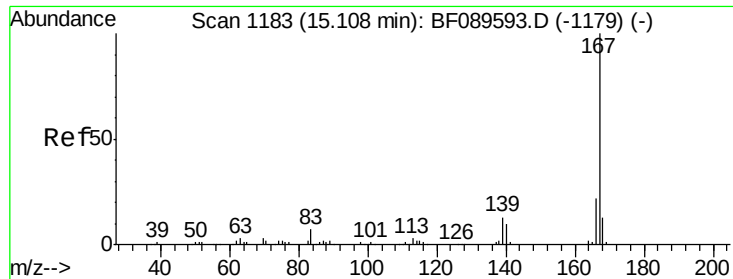
Tgt Ion:178 Resp: 132703
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 15.2 12.2 18.2



#71
Anthracene
Concen: 18.66 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.13 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Tgt Ion:178 Resp: 132703
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.2 12.4 18.6





#72

Carbazole

Concen: 3.23 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.03 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

DEL3(0-6)

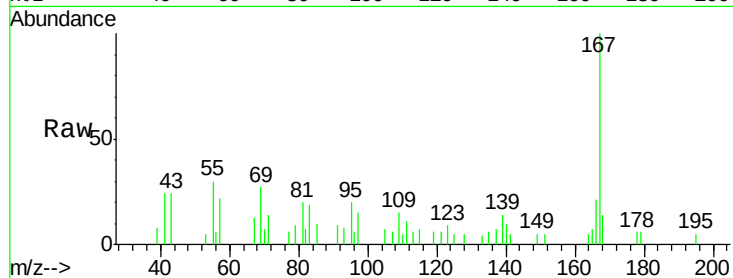
Tgt Ion:167 Resp: 19136

Ion Ratio Lower Upper

167 100

166 21.3 17.5 26.3

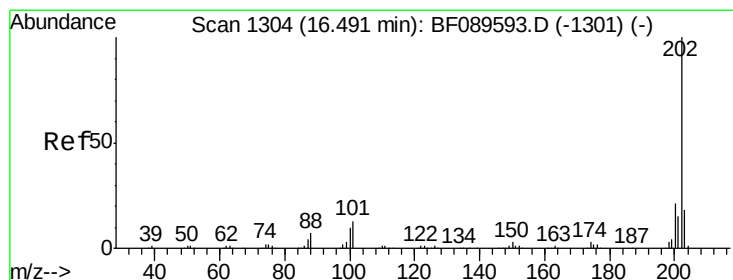
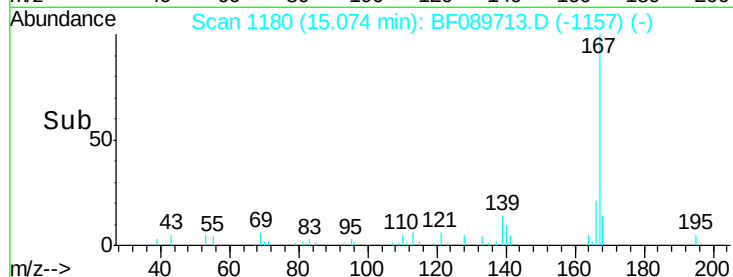
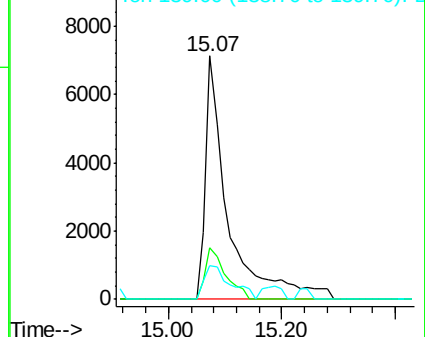
139 14.1 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 25.97 ng

RT: 16.46 min Scan# 1301

Delta R.T. -0.03 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

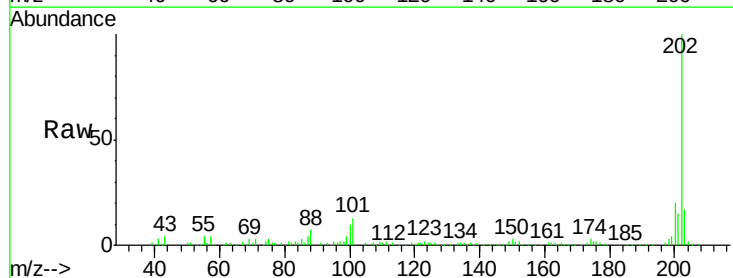
Tgt Ion:202 Resp: 177052

Ion Ratio Lower Upper

202 100

101 13.2 0.0 32.7

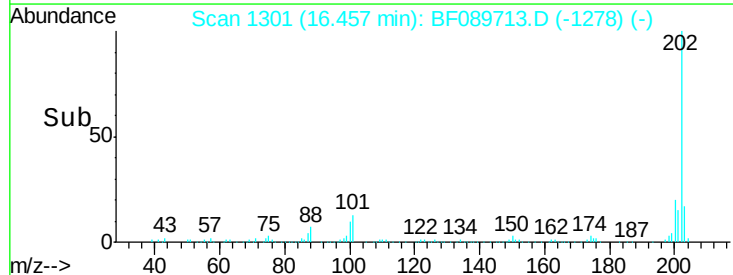
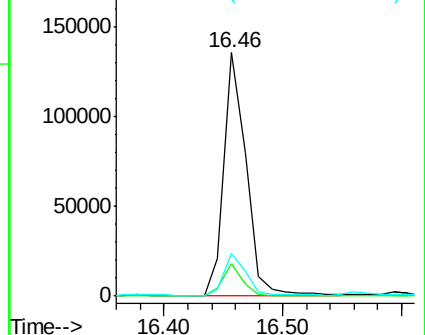
203 17.4 0.0 37.8

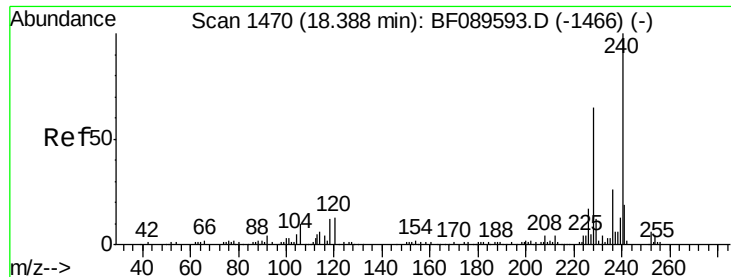


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.37 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

DEL3(0-6)

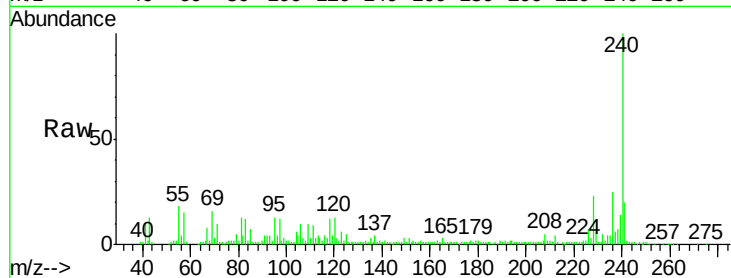
Tgt Ion:240 Resp: 114143

Ion Ratio Lower Upper

240 100

120 12.6 10.6 15.8

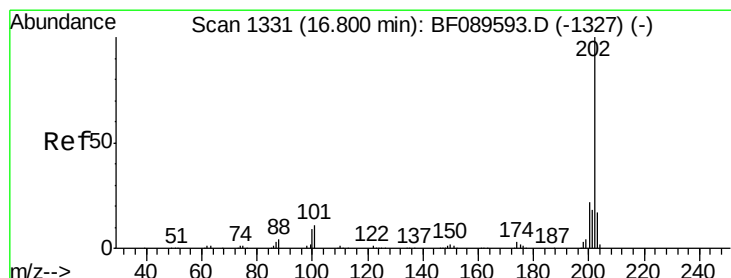
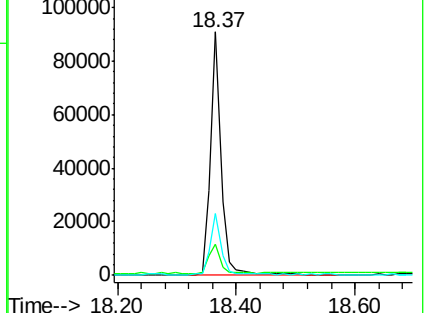
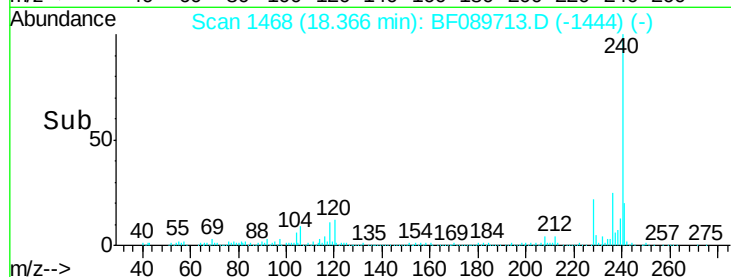
236 25.3 20.6 30.8



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: 15.05 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.03 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

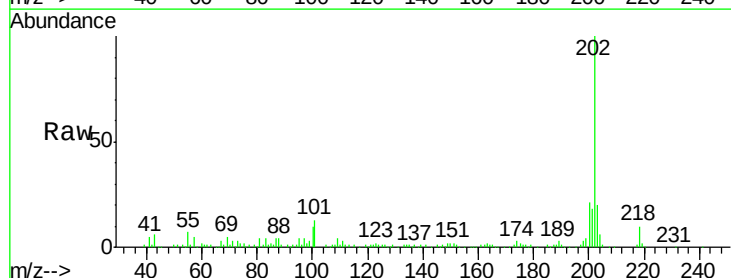
Tgt Ion:202 Resp: 151868

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.0

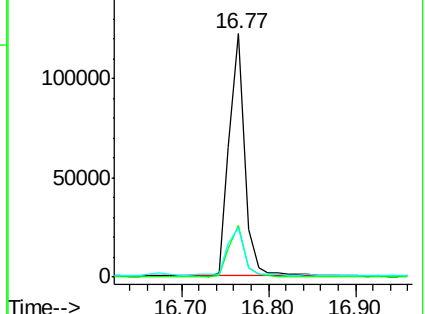
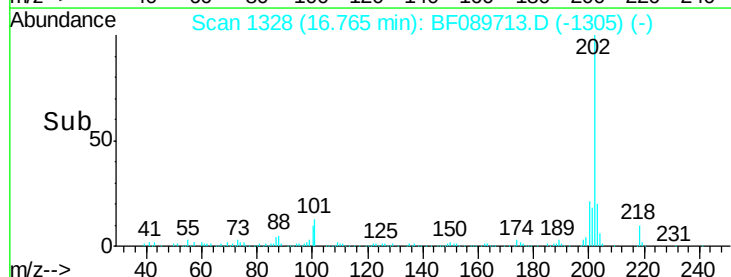
203 20.3 13.6 20.4

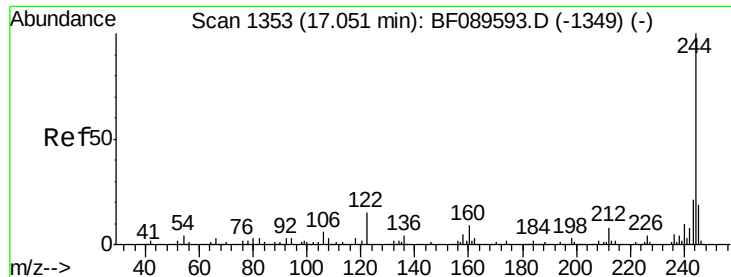


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 43.11 ng

RT: 17.02 min Scan# 1350

Delta R.T. -0.03 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

DEL3(0-6)

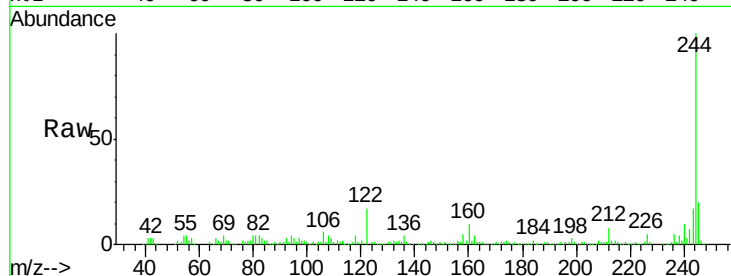
Tgt Ion:244 Resp: 249268

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

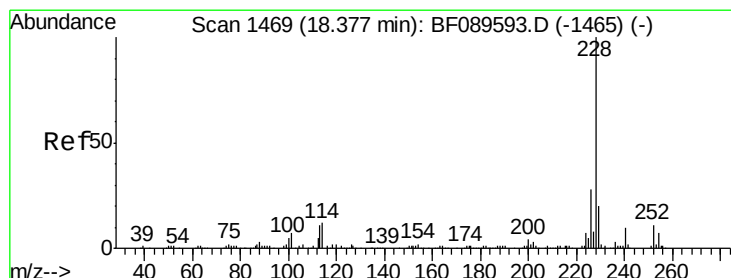
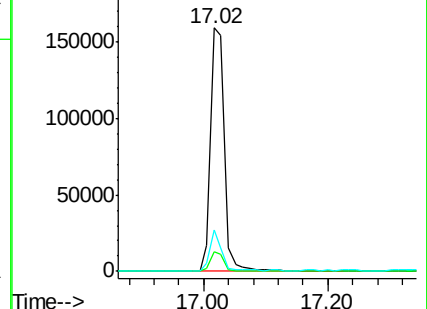
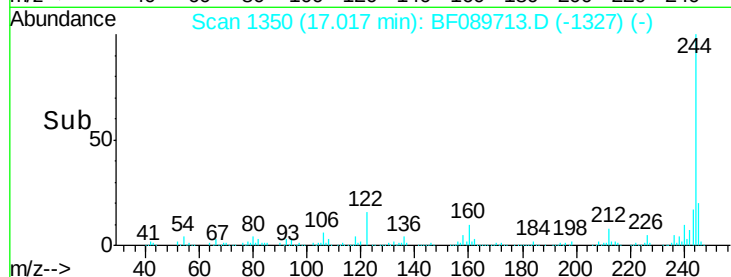
122 17.0 12.2 18.2



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: 12.65 ng

RT: 18.35 min Scan# 1467

Delta R.T. -0.02 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

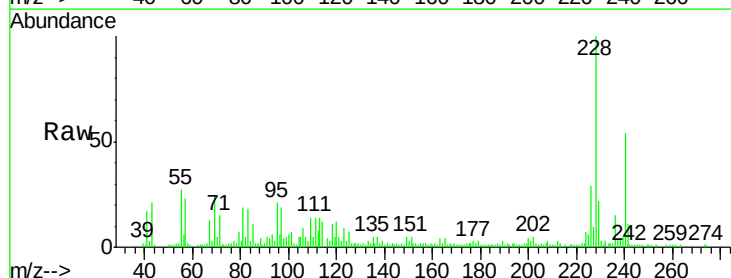
Tgt Ion:228 Resp: 82981

Ion Ratio Lower Upper

228 100

226 28.7 22.3 33.5

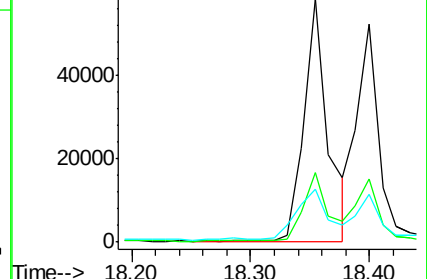
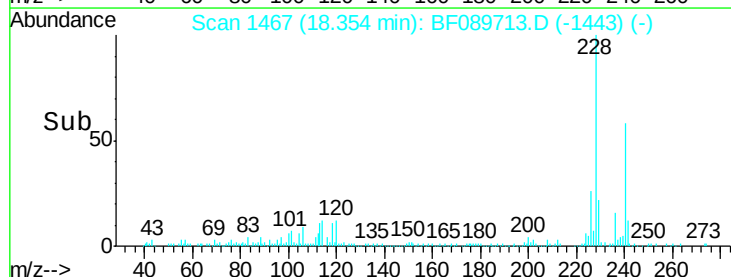
229 22.0 15.9 23.9

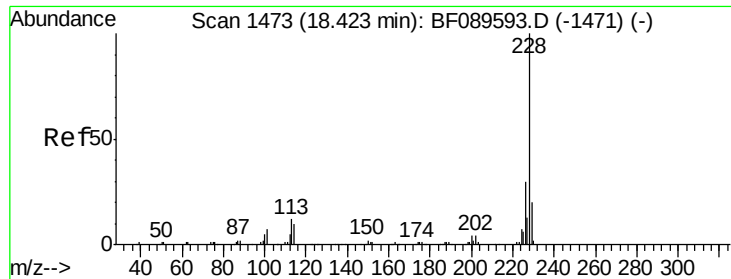


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.63 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.02 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

DEL3(0-6)

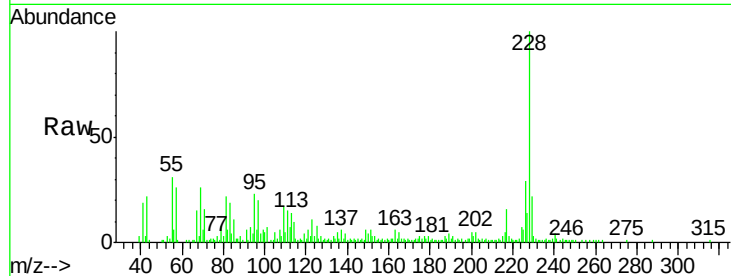
Tgt Ion:228 Resp: 66283

Ion Ratio Lower Upper

228 100

226 29.0 24.2 36.2

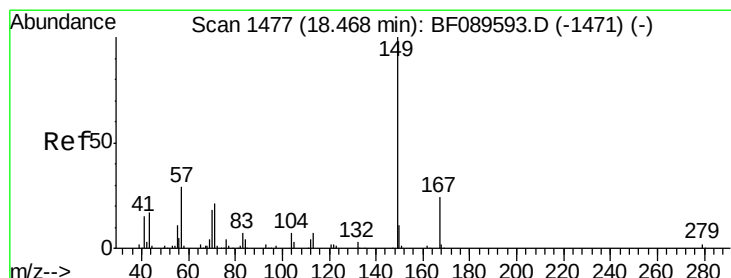
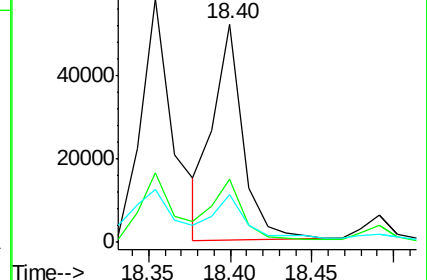
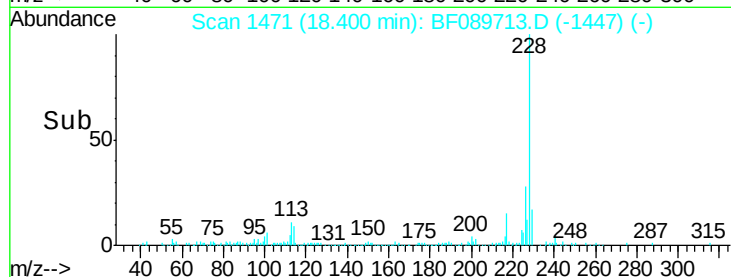
229 22.1 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 8.76 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.02 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

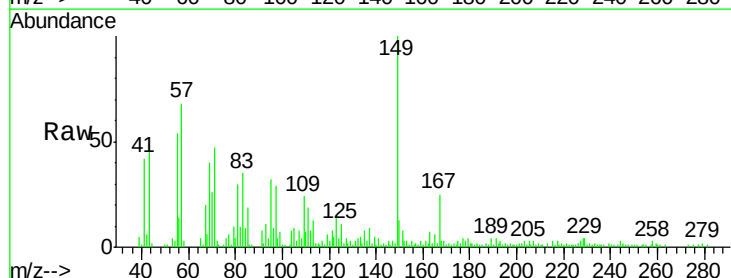
Tgt Ion:149 Resp: 52110

Ion Ratio Lower Upper

149 100

167 24.8 19.0 28.4

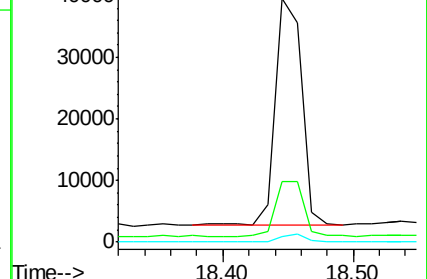
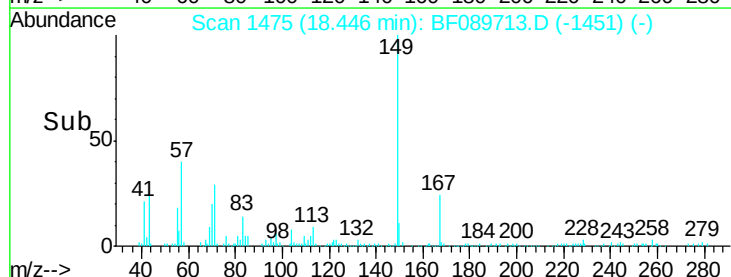
279 2.3 1.8 2.6

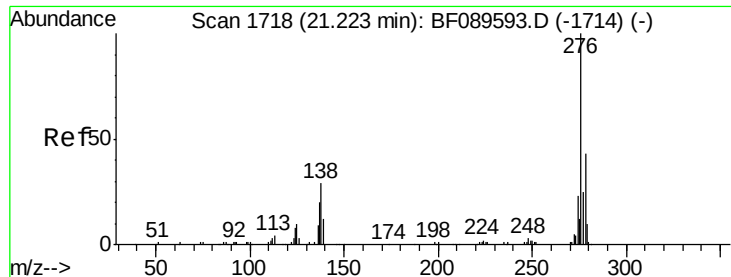


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

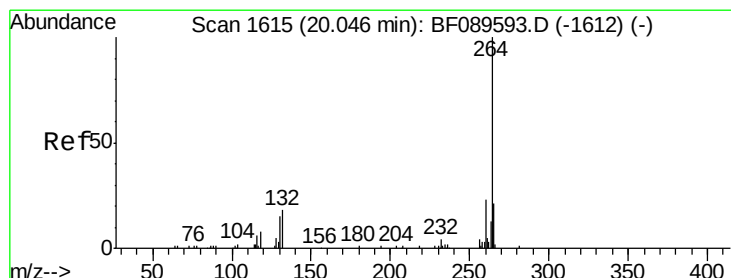
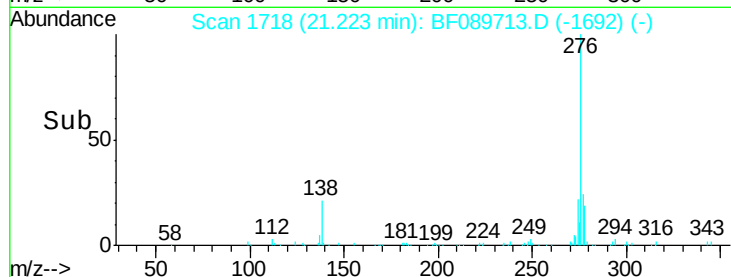
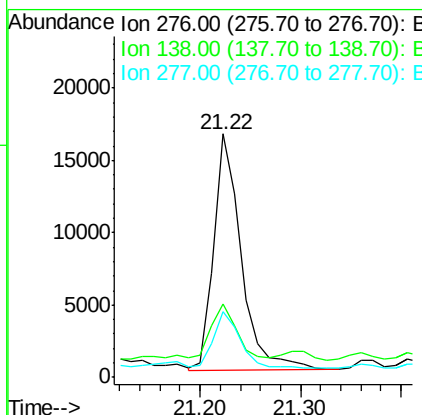
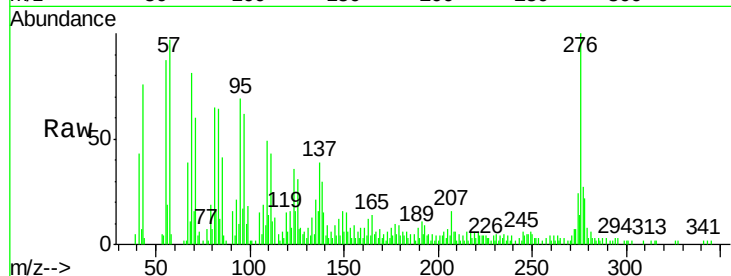




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.88 ng
 RT: 21.22 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

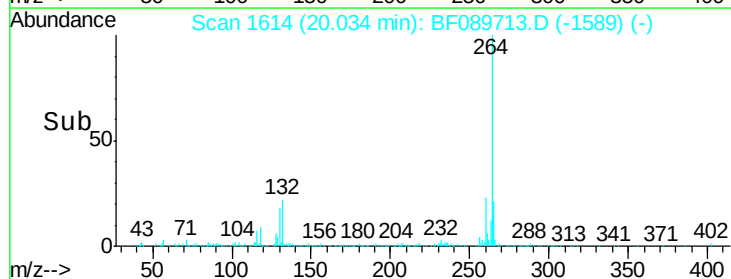
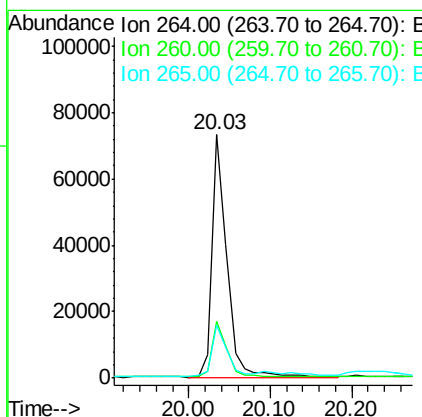
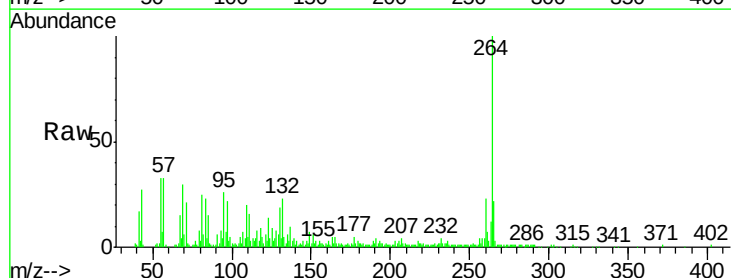
Instrument :
 BNA_F
 ClientSampleId :
 DEL3(0-6)

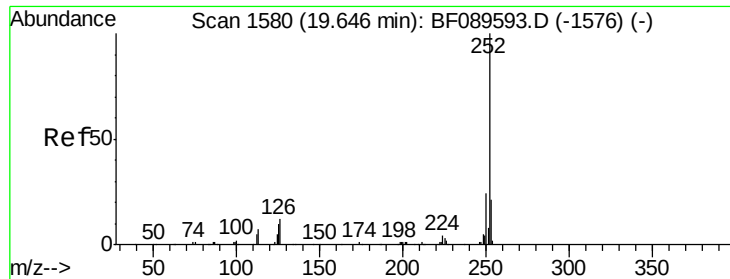
Tgt Ion:276 Resp: 30746
 Ion Ratio Lower Upper
 276 100
 138 22.2 23.8 35.8#
 277 24.1 20.3 30.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.03 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Tgt Ion:264 Resp: 93006
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.7 16.5 24.7





#87

Benzo(b)fluoranthene

Concen: 19.86 ng

RT: 19.63 min Scan# 1579

Delta R.T. -0.01 min

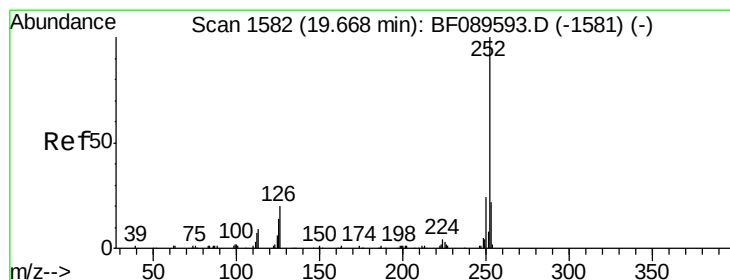
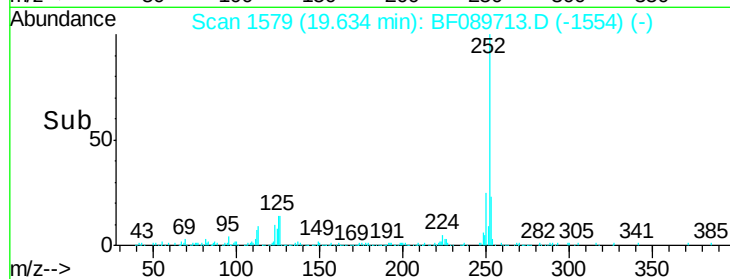
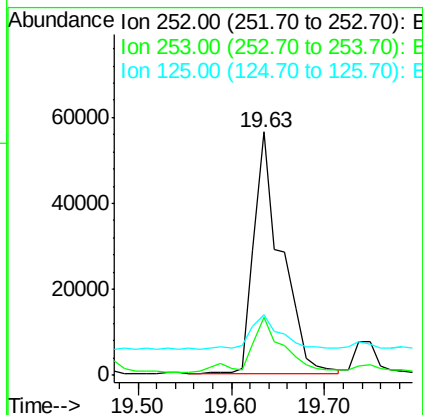
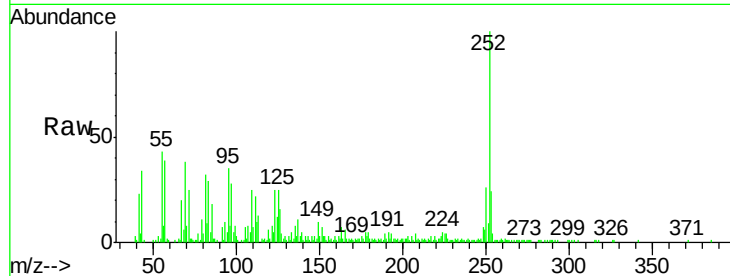
Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

Tgt Ion:252 Resp: 113577

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	24.6	7.8	11.8#



#88

Benzo(k)fluoranthene

Concen: 19.68 ng

RT: 19.63 min Scan# 1579

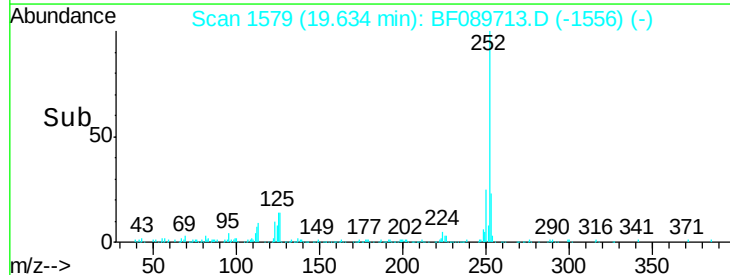
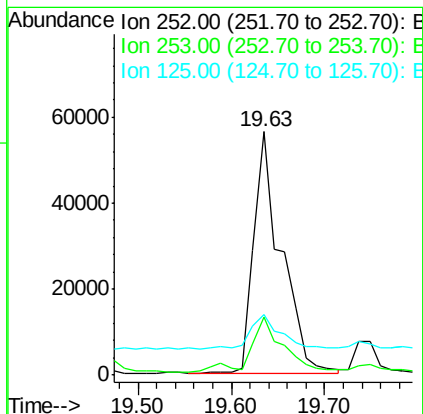
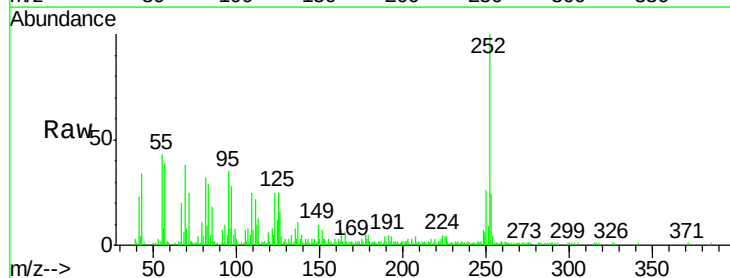
Delta R.T. -0.03 min

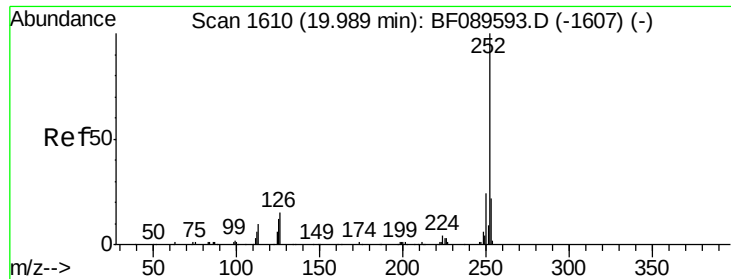
Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Tgt Ion:252 Resp: 113577

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	24.6	11.0	16.6#

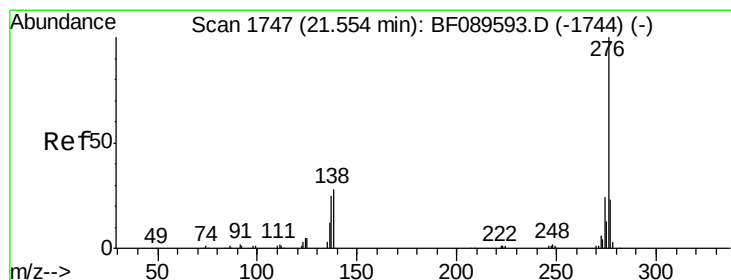
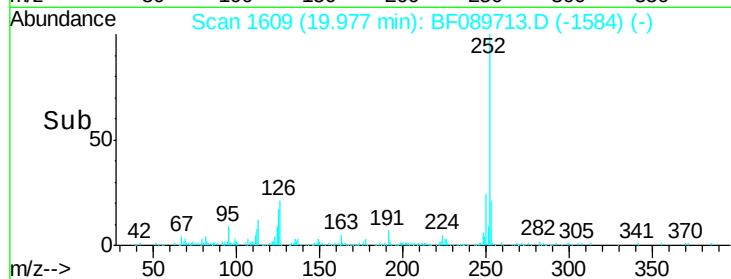
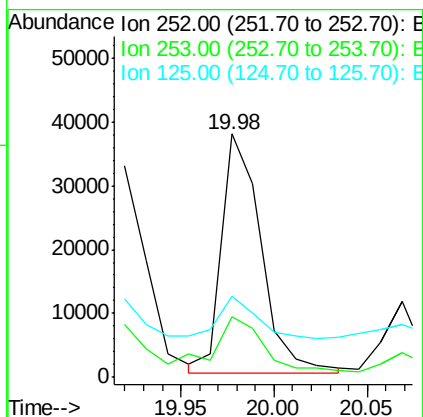
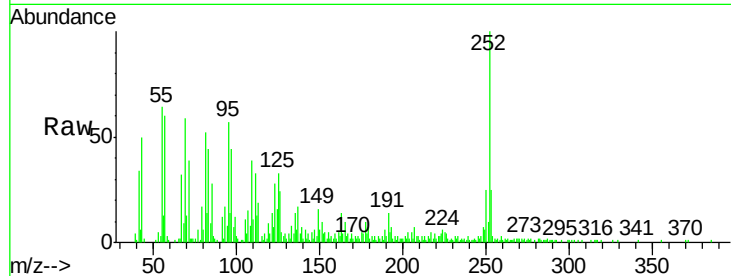




#89
Benzo(a)pyrene
Concen: 10.39 ng
RT: 19.98 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

Tgt Ion:252 Resp: 55623
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 33.4 9.9 14.9#



#91
Benzo(g,h,i)perylene
Concen: 5.70 ng
RT: 21.57 min Scan# 1748
Delta R.T. 0.01 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Tgt Ion:276 Resp: 29205
Ion Ratio Lower Upper
276 100
277 27.2 18.6 28.0
138 29.3 22.6 33.8

