

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096881.D
 Acq On : 19 Jul 2017 20:28
 Operator : SJ/JU
 Sample : I4250-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 00:54:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

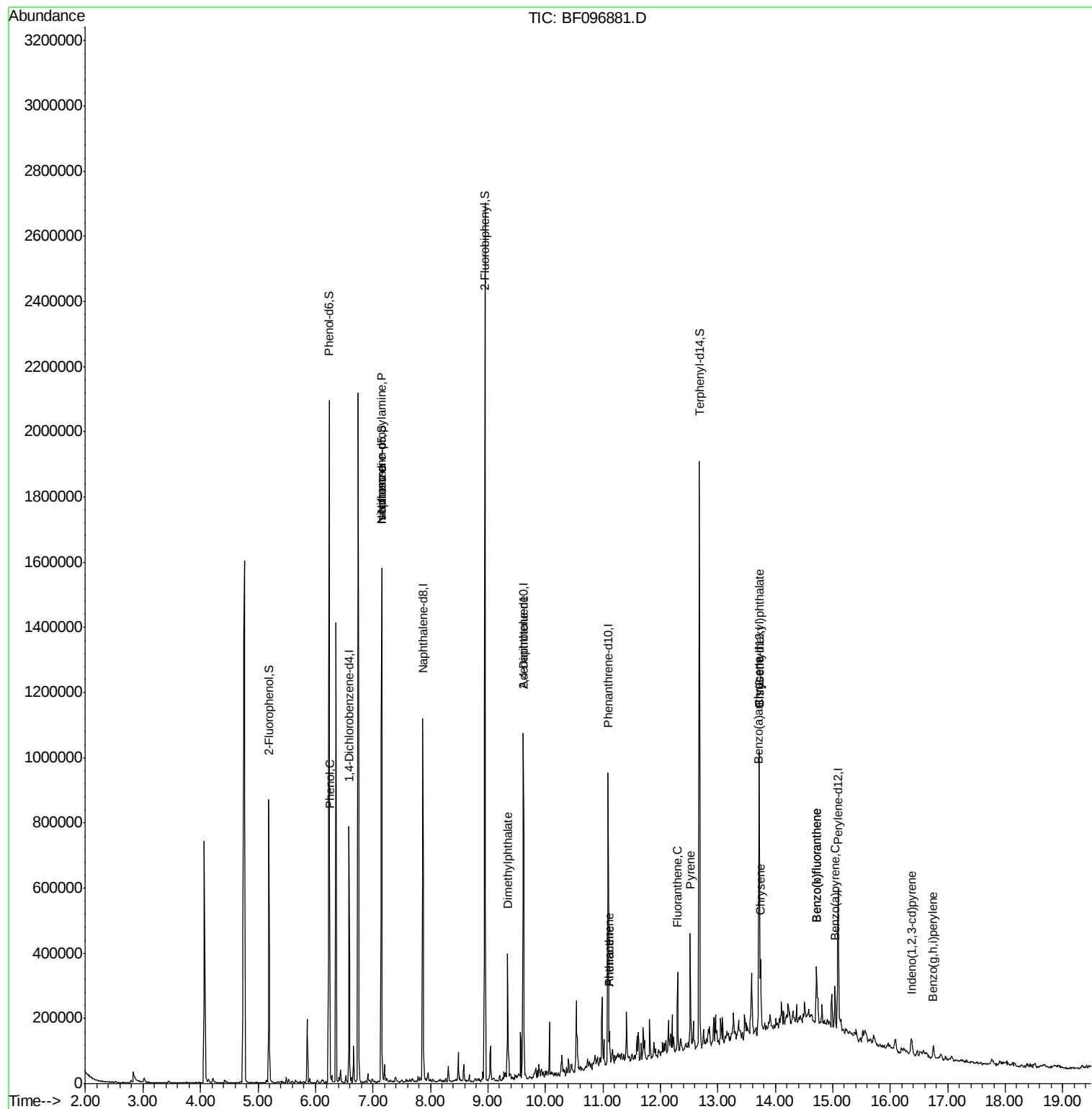
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	107983	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	446102	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	199915	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	289132	20.00	ng	-0.01
75) Chrysene-d12	13.72	240	196189	20.00	ng	-0.01
86) Perylene-d12	15.09	264	178305	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	231369	32.22	ng	0.00
7) Phenol-d6	6.24	99	716046	83.08	ng	-0.01
23) Nitrobenzene-d5	7.15	82	518022	71.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	2619	1.53	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	875735	69.21	ng	-0.01
78) Terphenyl-d14	12.68	244	540973	47.82	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.25	94	33559	3.44	ng	90
19) n-Nitroso-di-n-propylamine	7.15	70	69120	13.31	ng	# 87
25) Isophorone	7.15	82	514467	38.40	ng	# 67
49) Dimethylphthalate	9.35	163	161950	10.76	ng	98
56) 2,4-Dinitrotoluene	9.62	165	26907	6.42	ng	# 33
70) Phenanthrene	11.12	178	36885	2.35	ng	98
71) Anthracene	11.12	178	36885	2.32	ng	98
74) Fluoranthene	12.30	202	89011	5.92	ng	96
77) Pyrene	12.52	202	152172	8.55	ng	97
80) Benzo(a)anthracene	13.71	228	80305	6.57	ng	98
82) Chrysene	13.74	228	78763	6.54	ng	96
83) Bis(2-ethylhexyl)phthalate	13.72	149	61695	5.99	ng	98
85) Indeno(1,2,3-cd)pyrene	16.37	276	24439	5.44	ng	# 91
87) Benzo(b)fluoranthene	14.72	252	97931	9.11	ng	# 97
88) Benzo(k)fluoranthene	14.72	252	97931	9.62	ng	99
89) Benzo(a)pyrene	15.04	252	57153	5.79	ng	# 94
91) Benzo(a,h,i)perylene	16.75	276	26555	2.73	ng	# 90

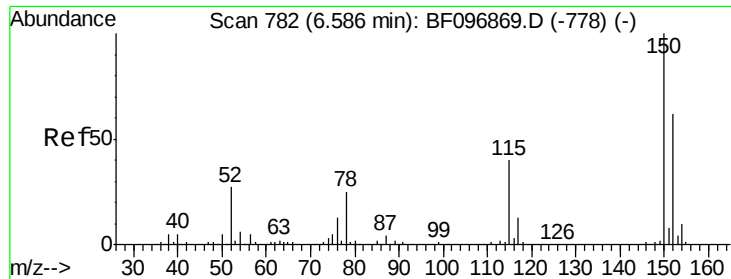
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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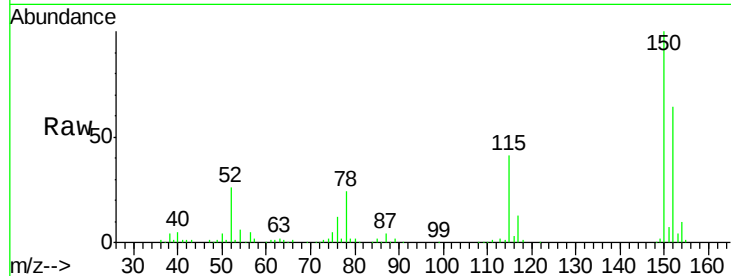


#1

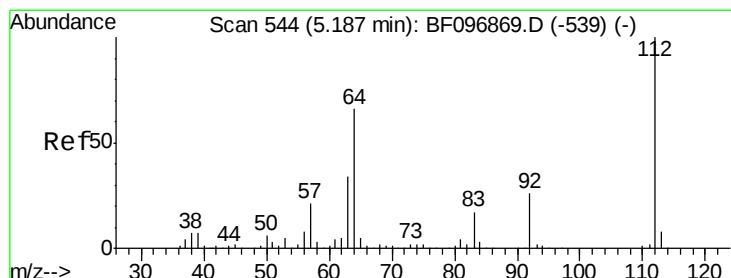
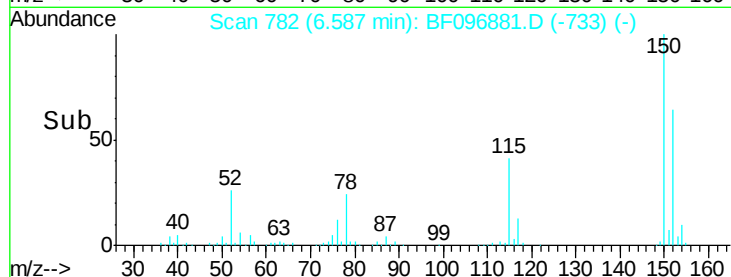
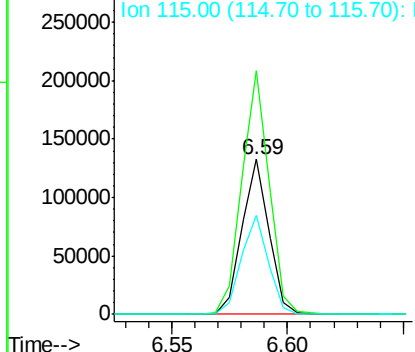
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107983
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 63.9 52.2 78.2



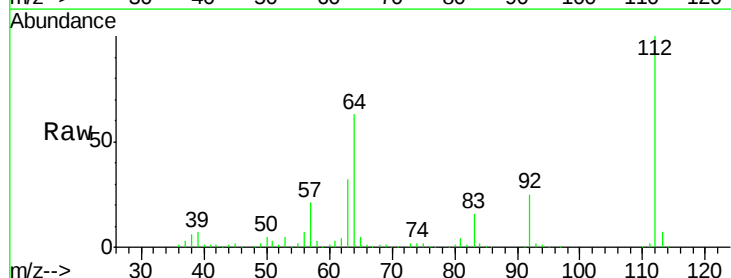
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



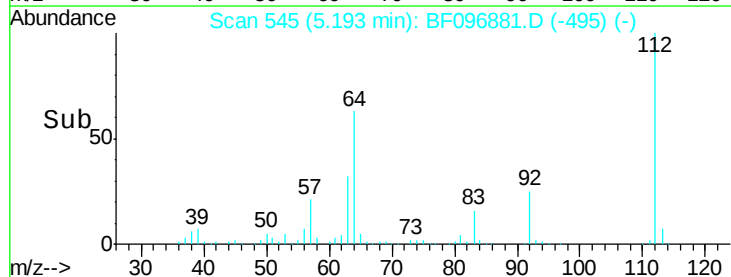
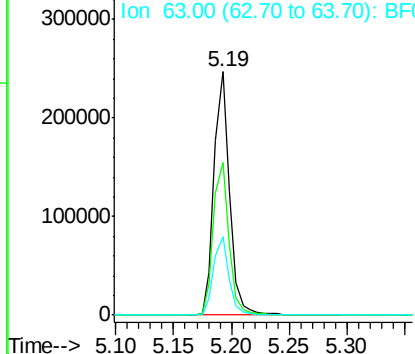
#5

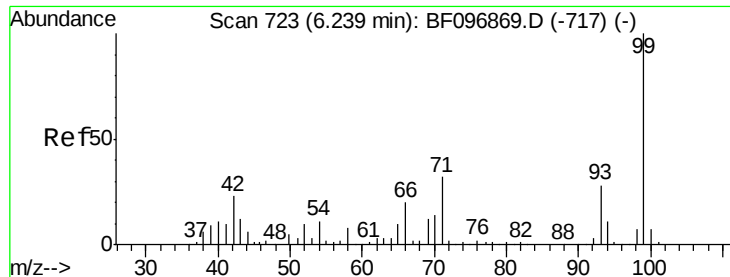
2-Fluorophenol
Concen: 32.22 ng
RT: 5.19 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Tgt Ion:112 Resp: 231369
Ion Ratio Lower Upper
112 100
64 62.9 46.0 69.0
63 32.2 23.4 35.0



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: 83.08 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096881.D

Acq: 19 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

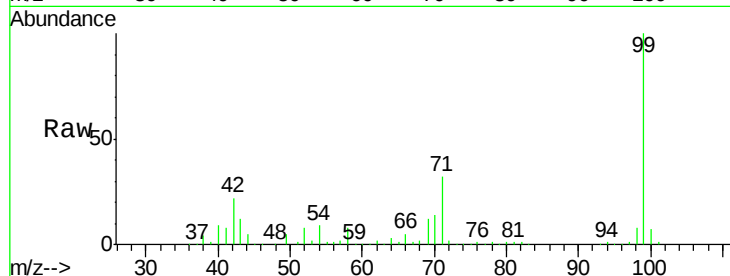
Tot Ion: 99 Resp: 716046

Ion Ratio Lower Upper

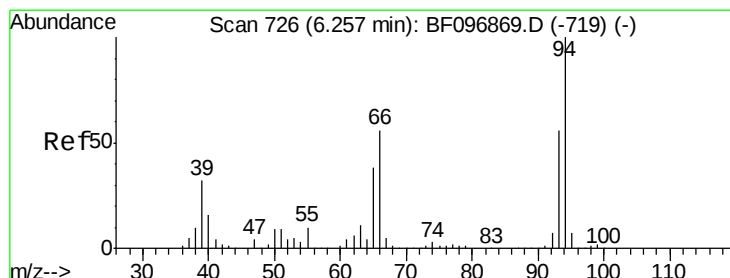
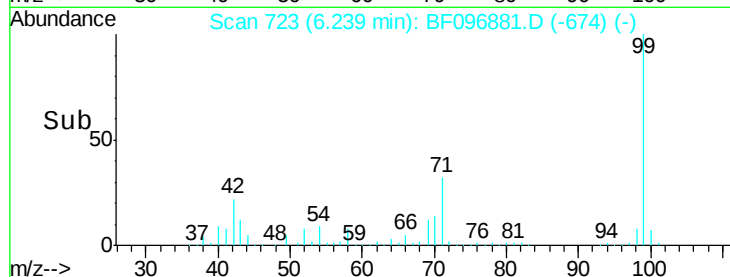
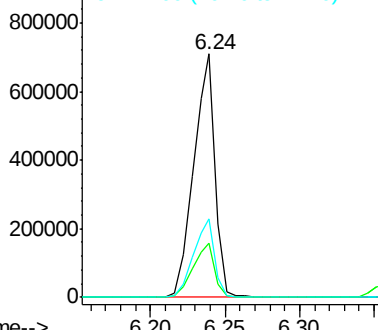
99 100

42 22.2 13.5 20.3#

71 32.0 24.5 36.7



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



#10

Phenol

Concen: 3.44 ng

RT: 6.25 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096881.D

Acq: 19 Jul 2017 20:28

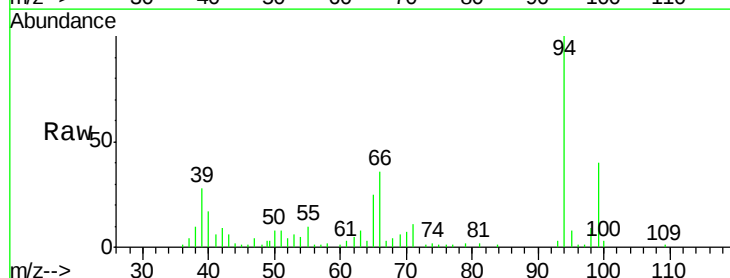
Tgt Ion: 94 Resp: 33559

Ion Ratio Lower Upper

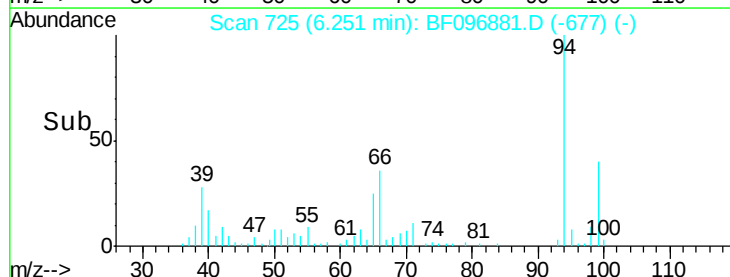
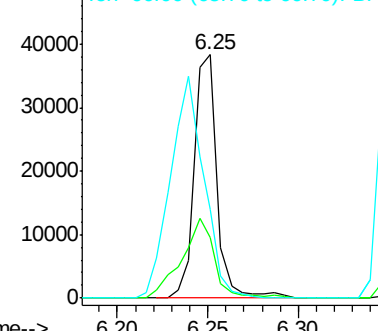
94 100

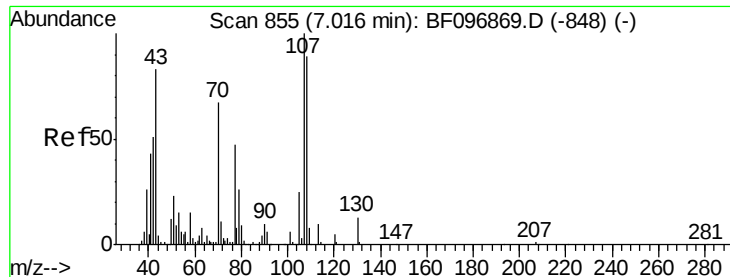
65 25.0 9.9 49.9

66 36.4 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

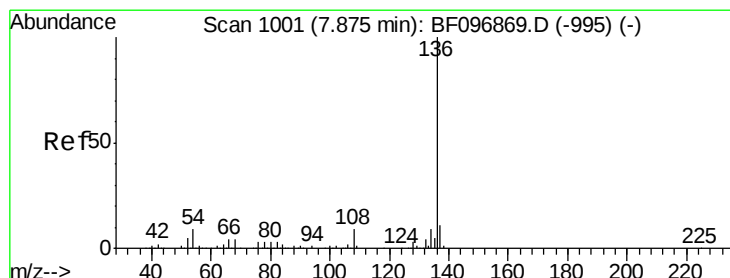
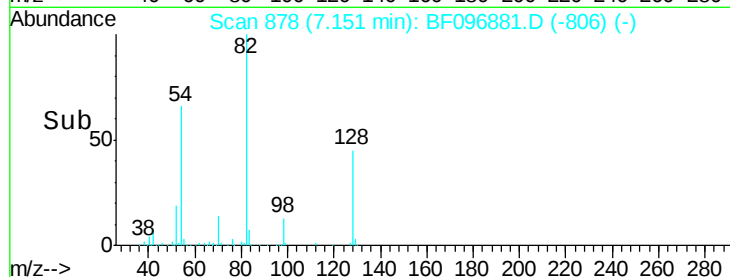
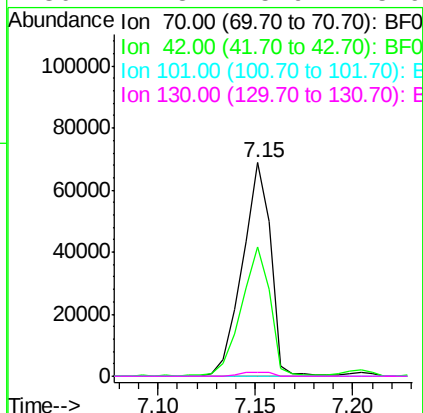
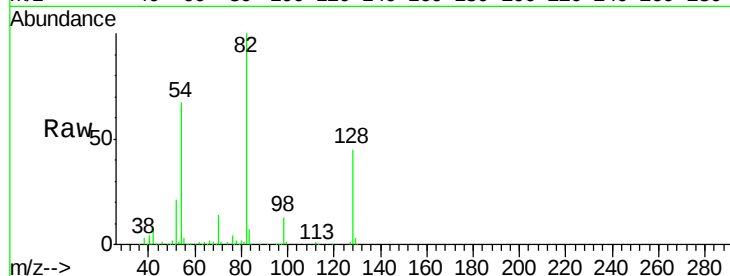




#19
n-Nitroso-di-n-propylamine
Concen: 13.31 ng
RT: 7.15 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

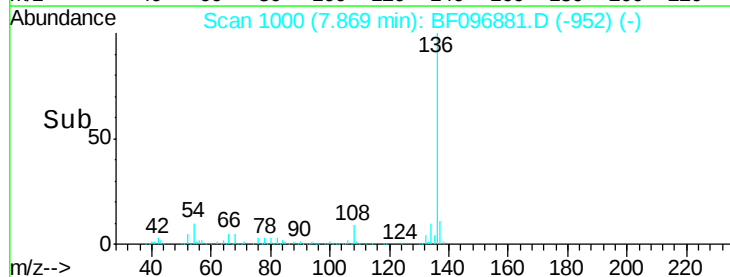
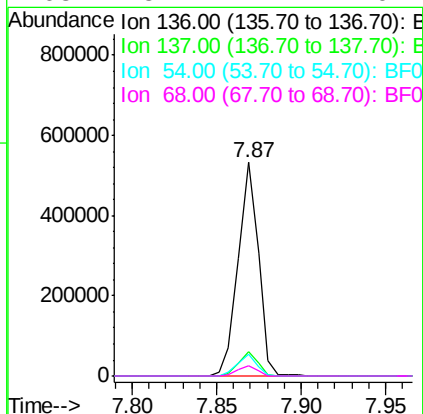
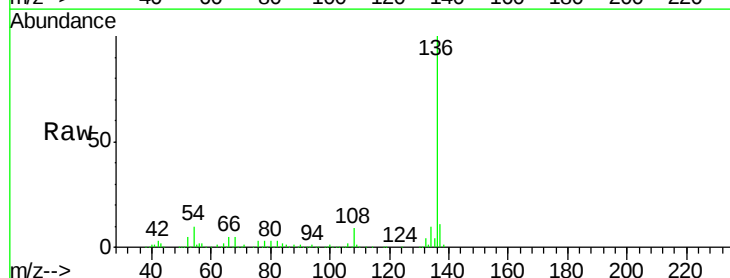
Instrument :
BNA_F
ClientSampleId :

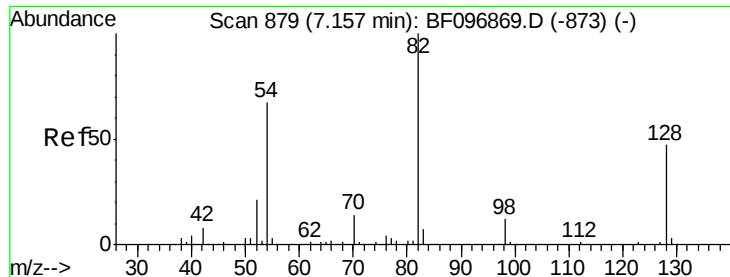
Tot Ion: 70 Resp: 69120
Ion Ratio Lower Upper
70 100
42 60.6 47.2 70.8
101 0.0 7.2 10.8#
130 1.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Tgt Ion:136 Resp: 446102
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 10.3 4.9 7.3#
68 5.1 4.1 6.1

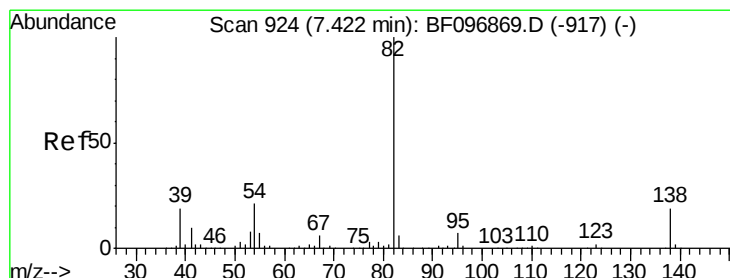
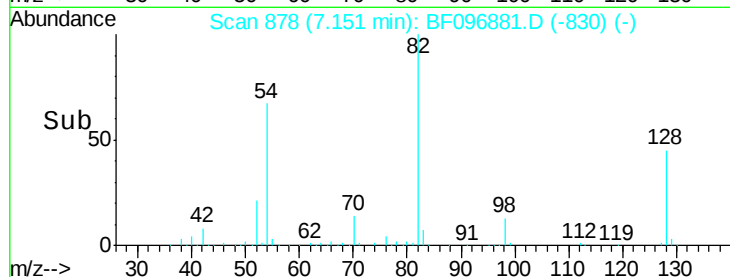
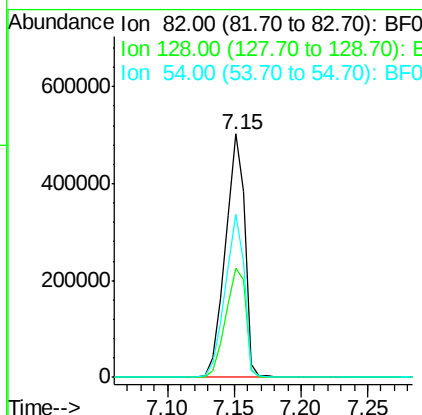
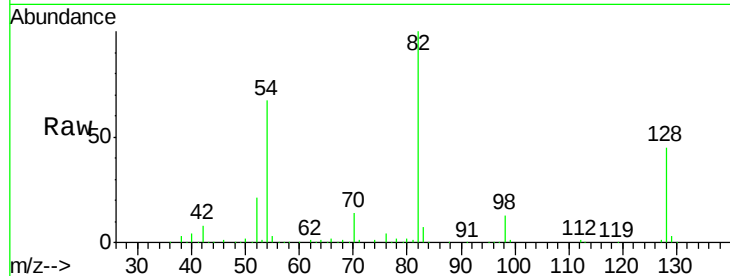




#23
Nitrobenzene-d5
Concen: 71.93 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

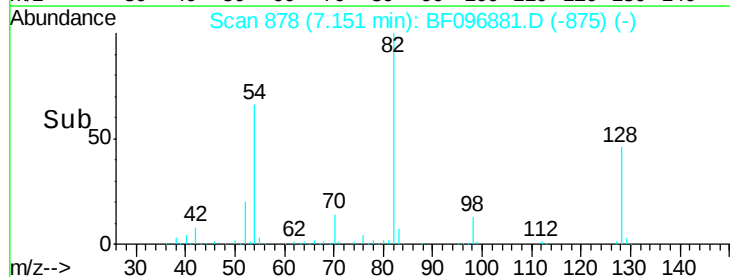
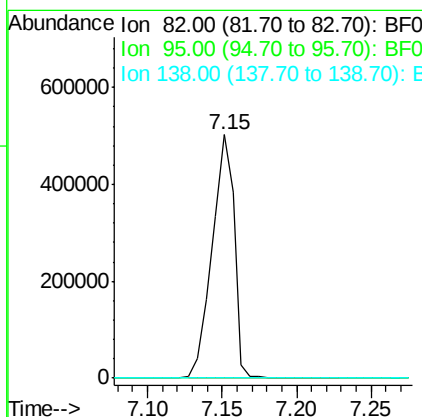
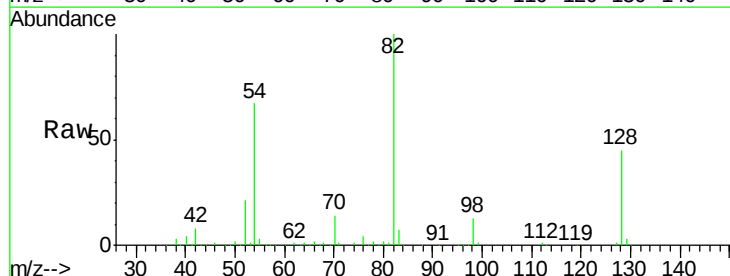
Instrument :
BNA_F
ClientSampleId :

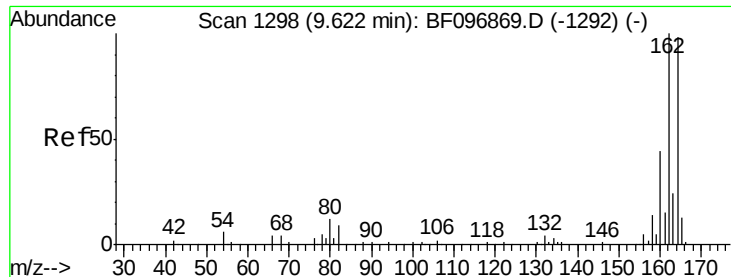
Tot Ion: 82 Resp: 518022
Ion Ratio Lower Upper
82 100
128 45.0 34.0 51.0
54 66.8 42.2 63.2#



#25
Isophorone
Concen: 38.40 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.28 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Tgt Ion: 82 Resp: 514467
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096881.D

Acq: 19 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

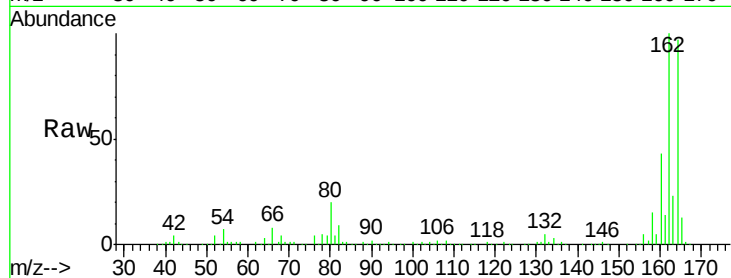
Tot Ion:164 Resp: 199915

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

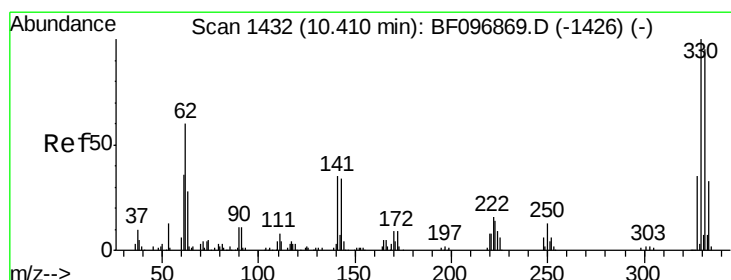
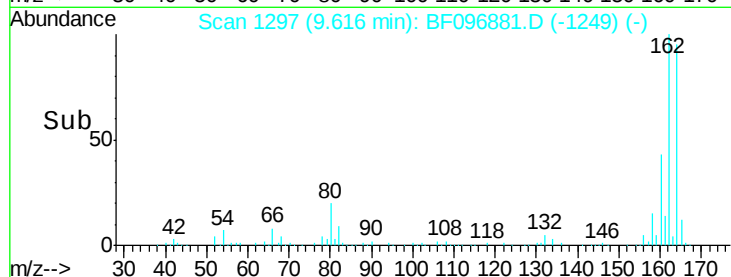
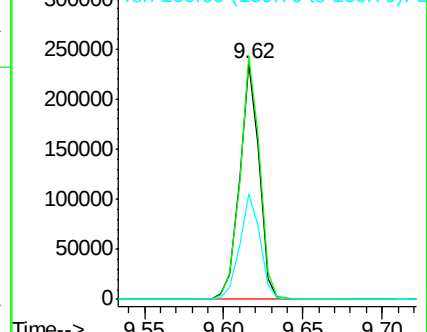
160 44.7 36.2 54.2



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: 1.53 ng

RT: 10.40 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF096881.D

Acq: 19 Jul 2017 20:28

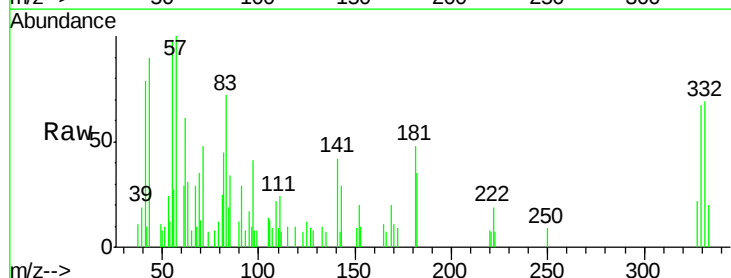
Tgt Ion:330 Resp: 2619

Ion Ratio Lower Upper

330 100

332 110.6 76.6 115.0

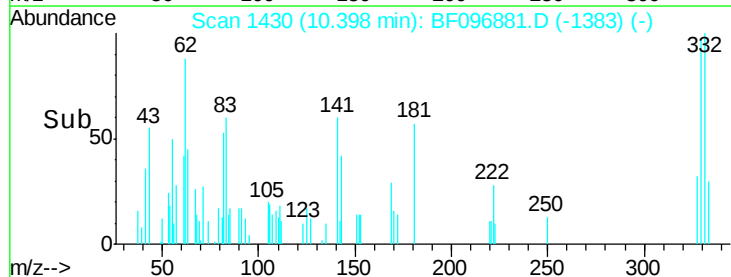
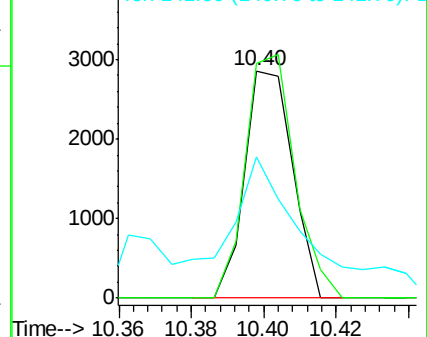
141 99.2 31.4 47.2#

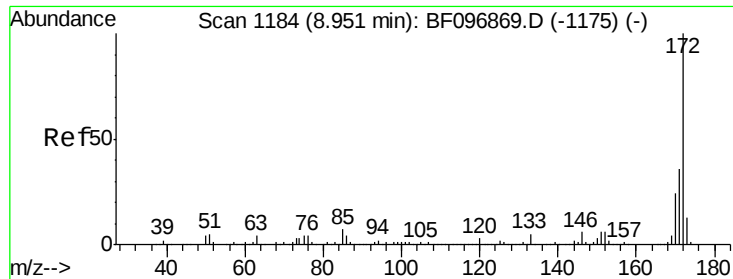


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

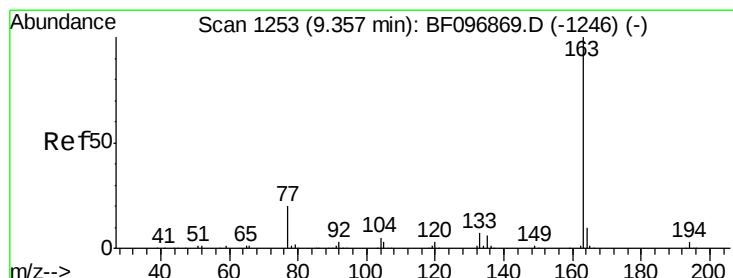
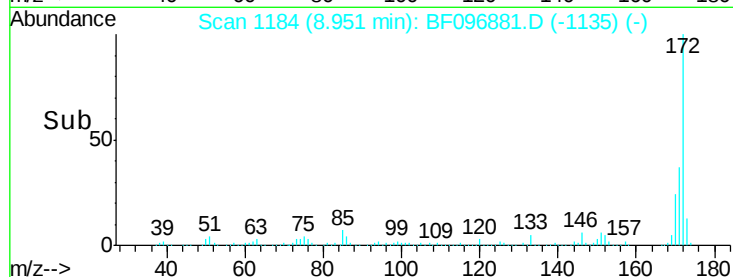
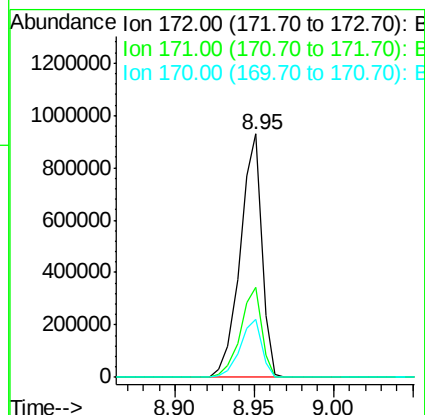
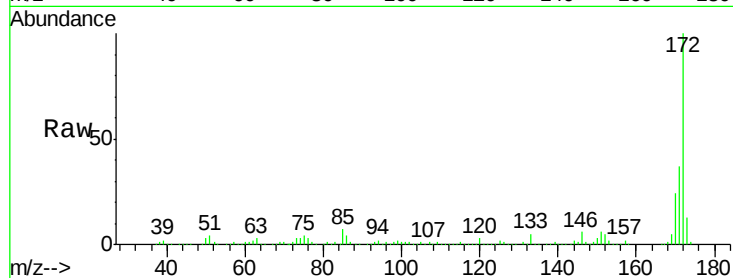




#44
2-Fluorobiphenyl
Concen: 69.21 ng
RT: 8.95 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

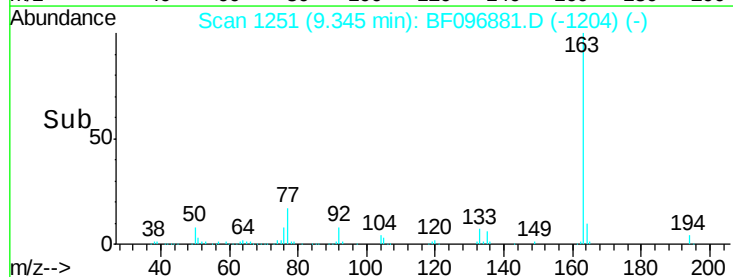
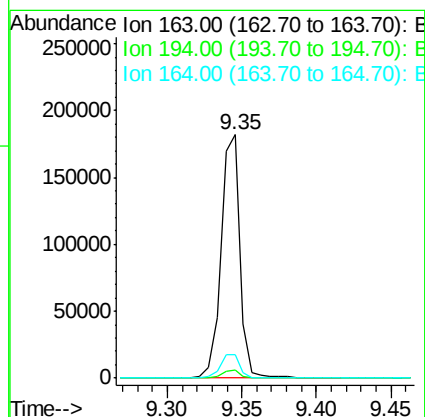
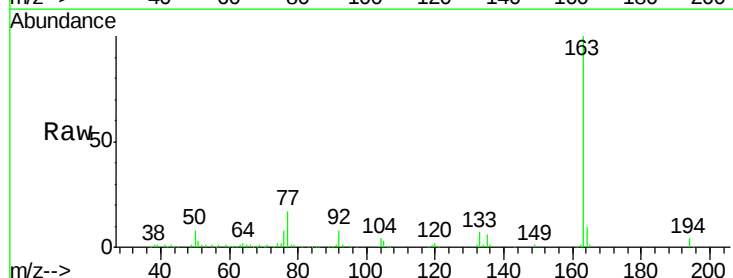
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 875735
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 23.9 19.8 29.8



#49
Dimethylphthalate
Concen: 10.76 ng
RT: 9.35 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Tgt Ion:163 Resp: 161950
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.6 8.4 12.6

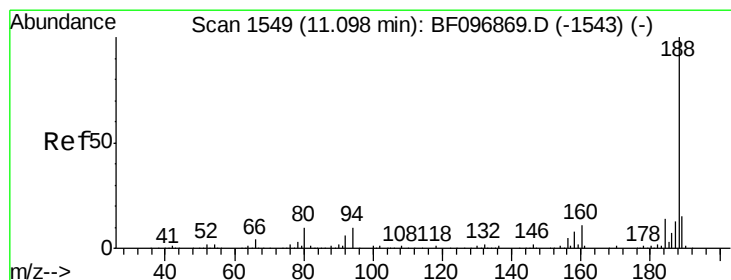
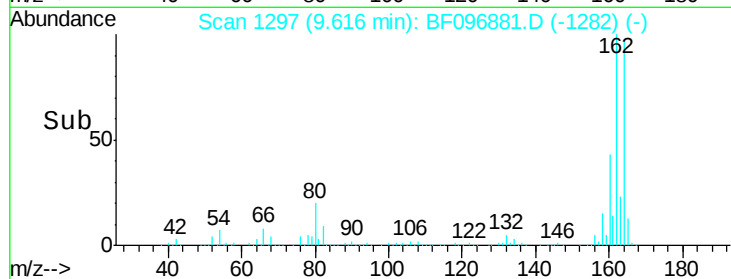
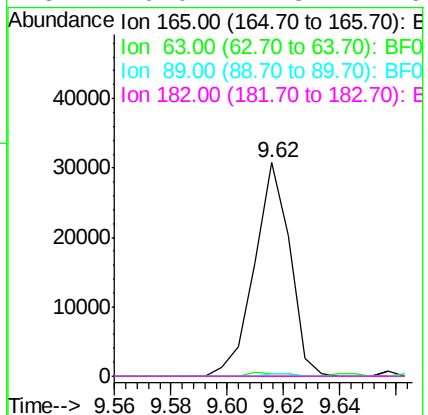
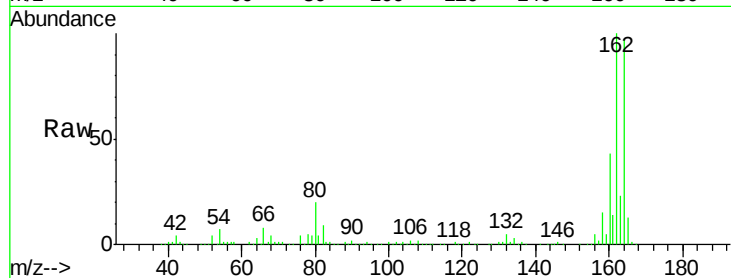




#56
 2,4-Dinitrotoluene
 Concen: 6.42 ng
 RT: 9.62 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF096881.D
 Acq: 19 Jul 2017 20:28

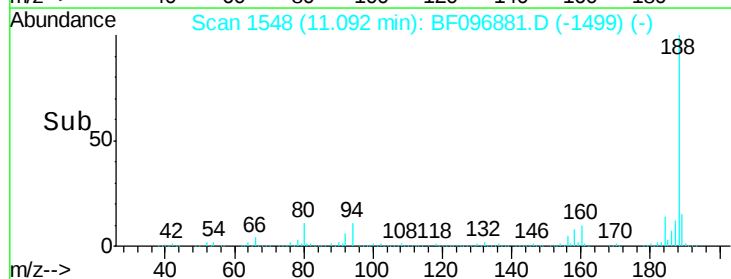
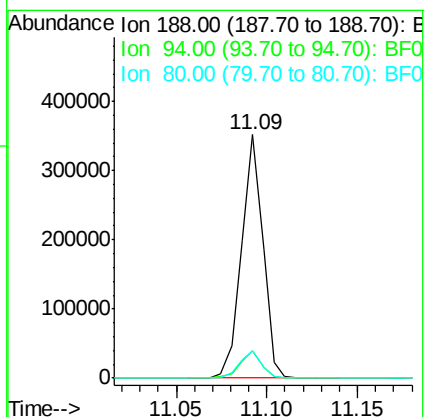
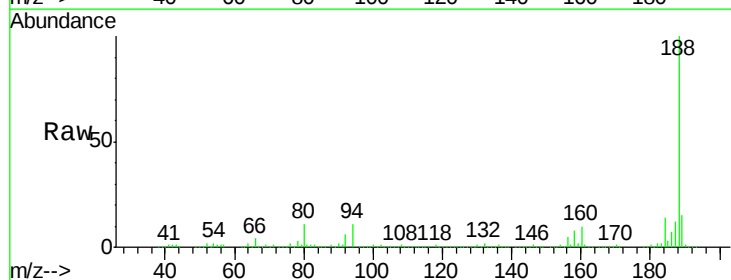
Instrument :
 BNA_F
 ClientSampleId :

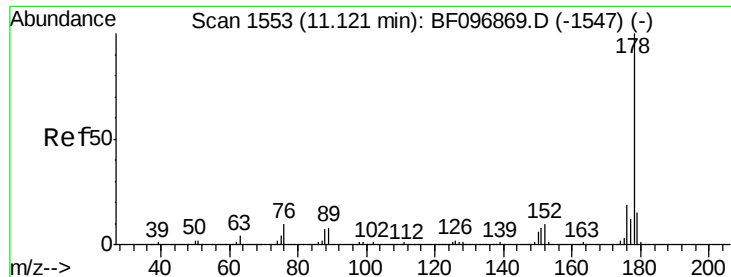
Tot Ion:165 Resp: 26907
 Ion Ratio Lower Upper
 165 100
 63 1.1 25.4 38.0#
 89 1.5 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.09 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF096881.D
 Acq: 19 Jul 2017 20:28

Tgt Ion:188 Resp: 289132
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.5 10.2 15.2





#70

Phenanthrene

Concen: 2.35 ng

RT: 11.12 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF096881.D

Acq: 19 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

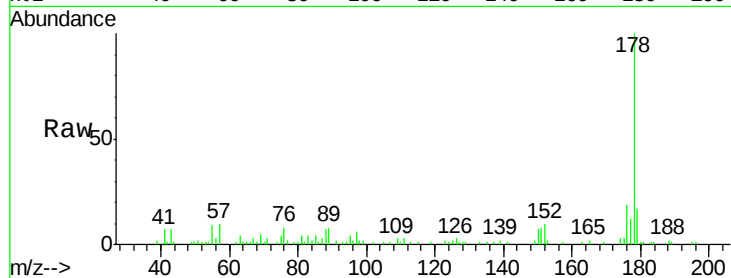
Tot Ion:178 Resp: 36885

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

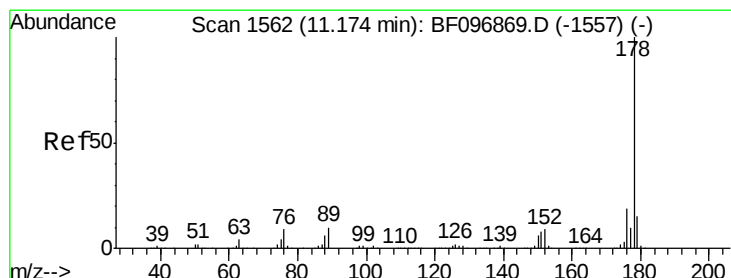
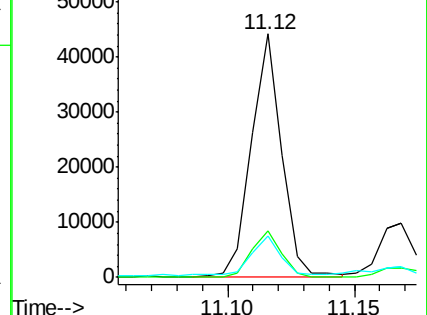
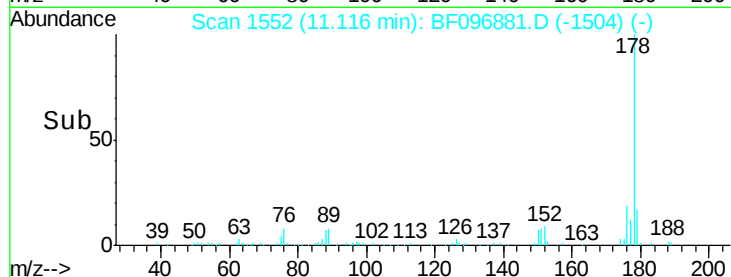
179 17.0 12.6 19.0



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: 2.32 ng

RT: 11.12 min Scan# 1552

Delta R.T. -0.07 min

Lab File: BF096881.D

Acq: 19 Jul 2017 20:28

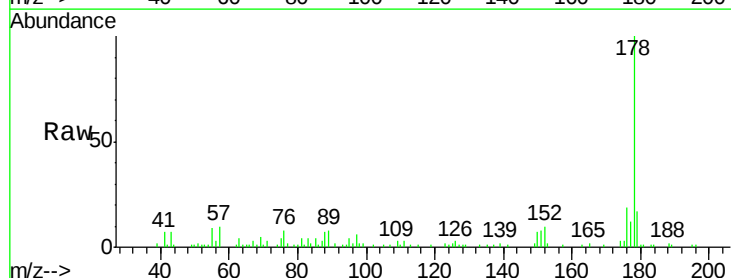
Tgt Ion:178 Resp: 36885

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

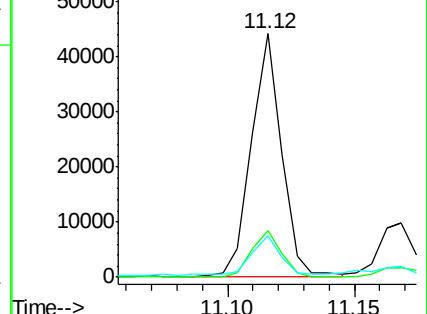
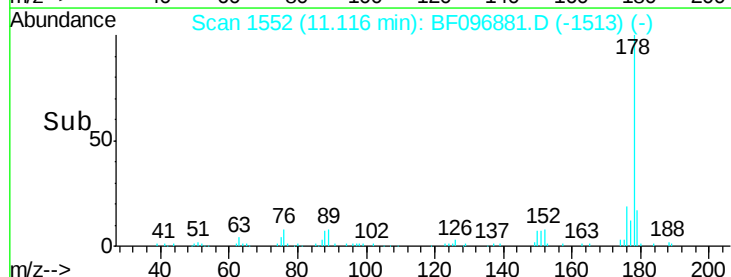
179 17.0 12.7 19.1

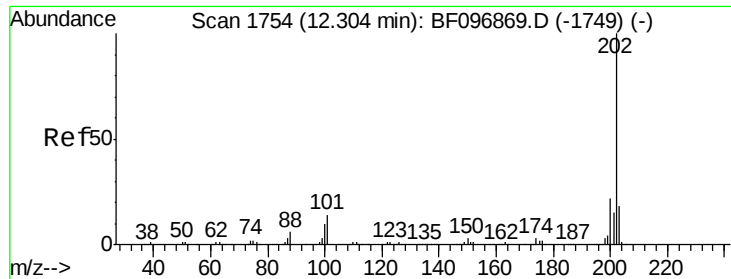


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.92 ng

RT: 12.30 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096881.D

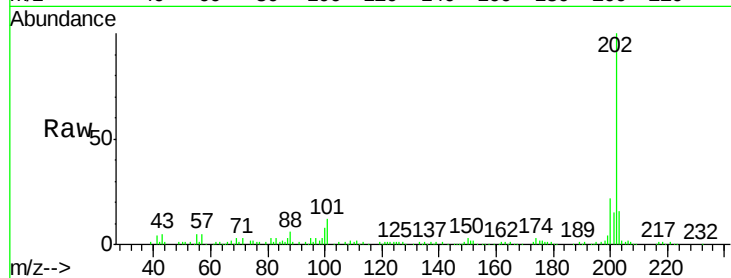
Acq: 19 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

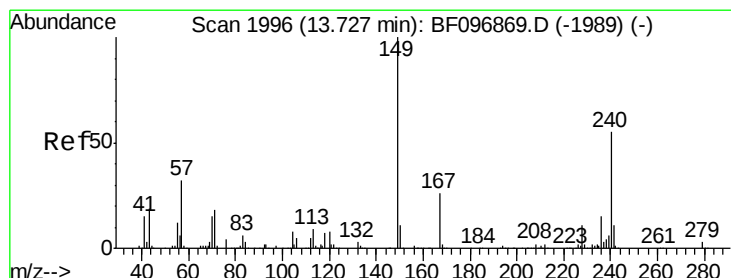
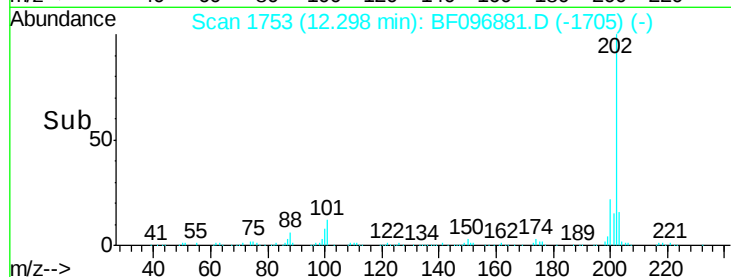
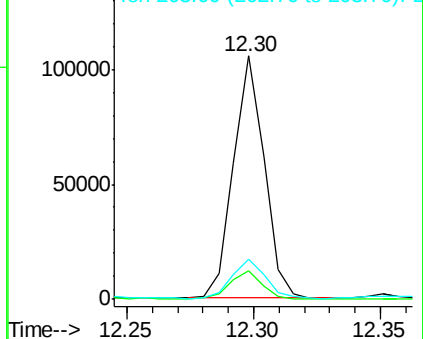
Tot Ion:	202	Resp:	89011
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.2
203	16.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

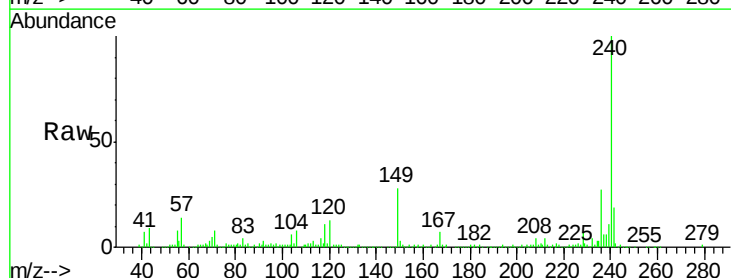
RT: 13.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF096881.D

Acq: 19 Jul 2017 20:28

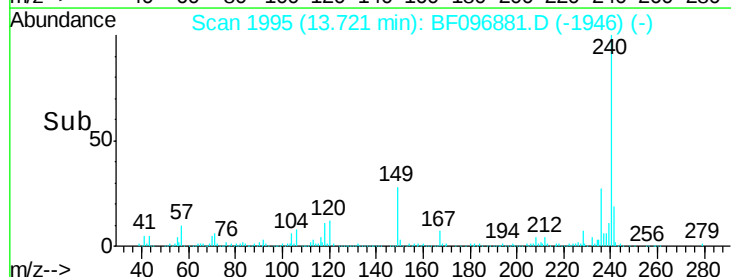
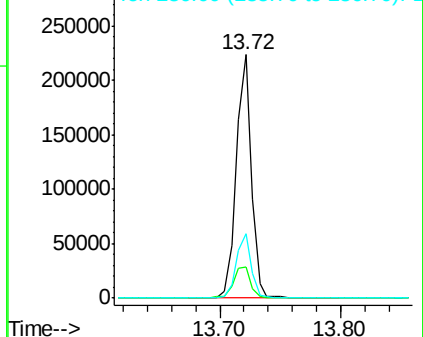
Tgt Ion:	240	Resp:	196189
Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.8	8.8#
236	26.5	20.5	30.7

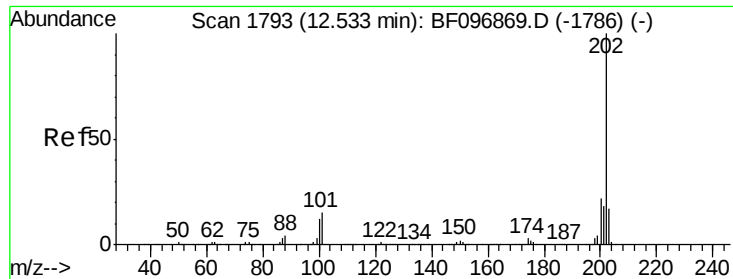


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

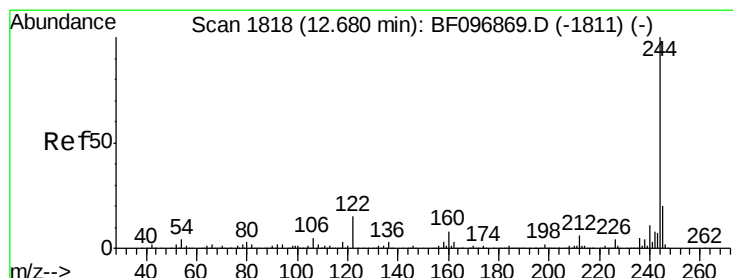
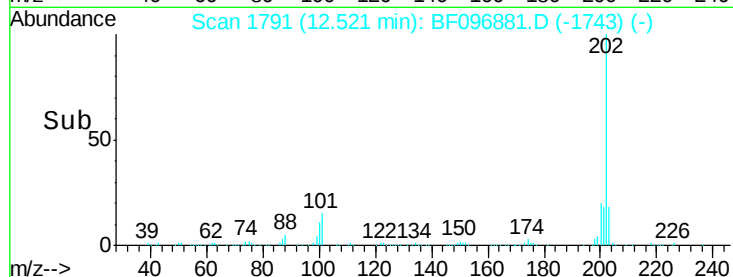
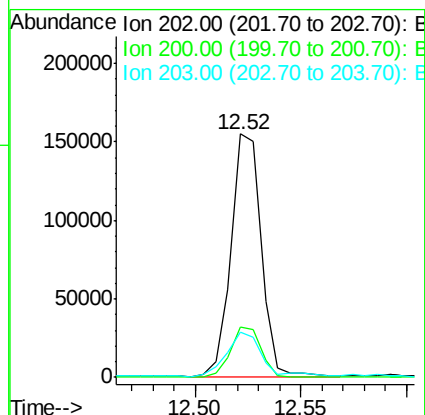
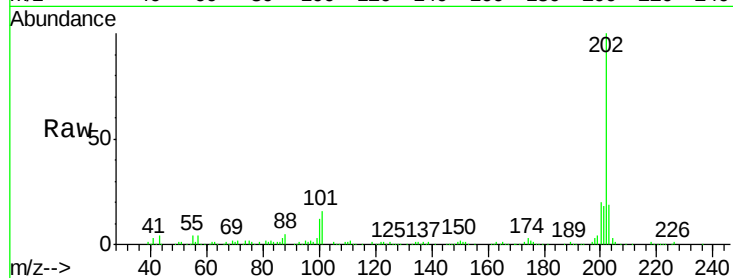




#77
Pvrene
Concen: 8.55 ng
RT: 12.52 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

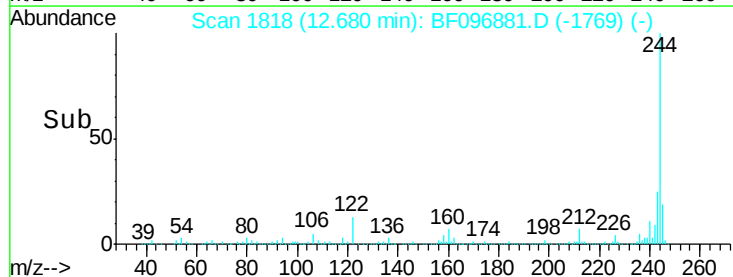
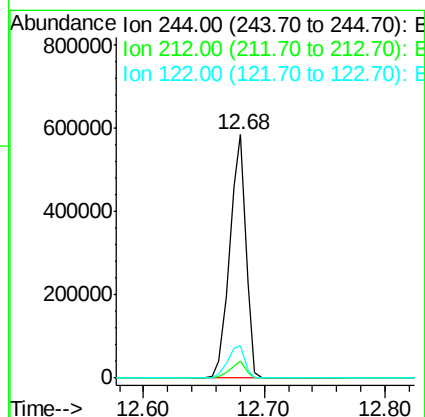
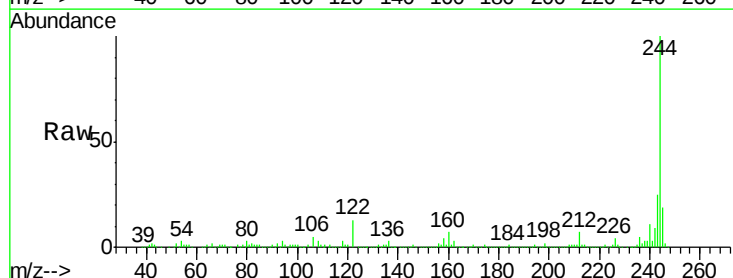
Instrument :
BNA_F
ClientSampleId :

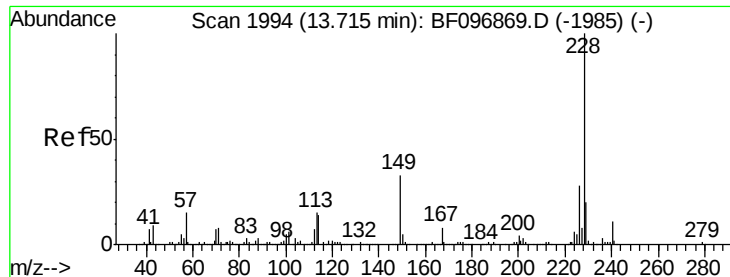
Tot Ion:202 Resp: 152172
Ion Ratio Lower Upper
202 100
200 20.4 17.6 26.4
203 18.7 14.4 21.6



#78
Terphenyl-d14
Concen: 47.82 ng
RT: 12.68 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Tgt Ion:244 Resp: 540973
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 13.5 10.3 15.5

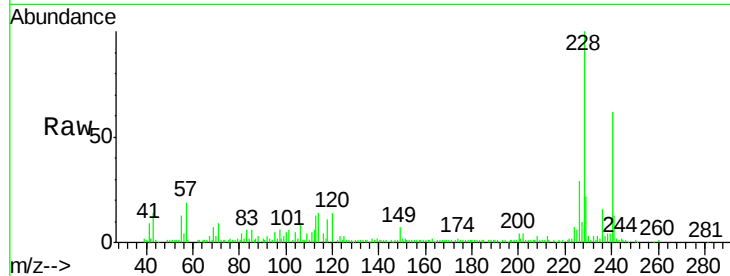




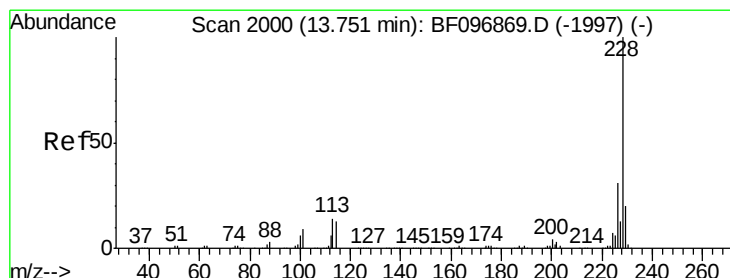
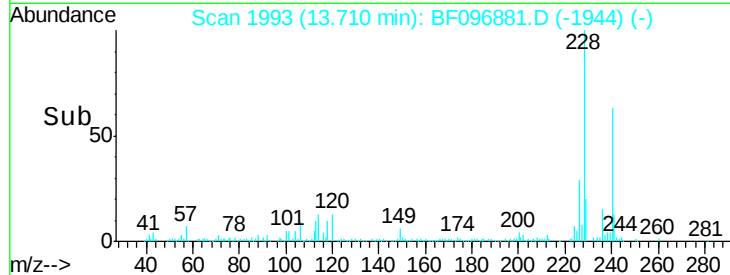
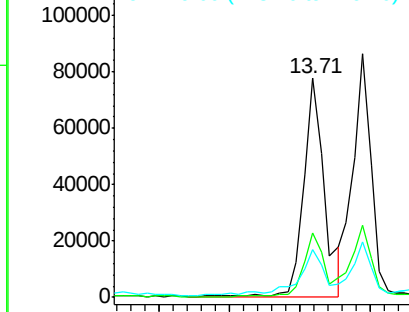
#80
Benzo(a)anthracene
Concen: 6.57 ng
RT: 13.71 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 80305
Ion Ratio Lower Upper
228 100
226 29.4 22.6 33.8
229 21.6 16.3 24.5

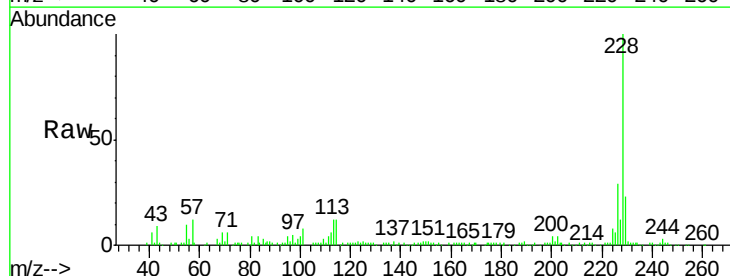


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

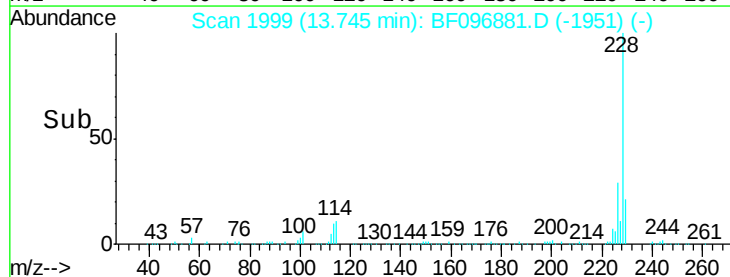
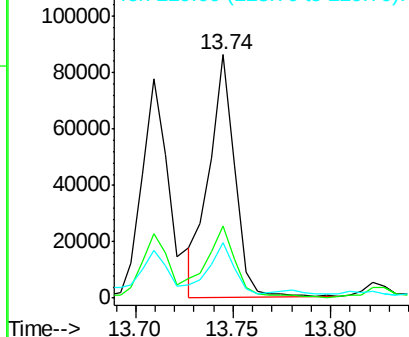


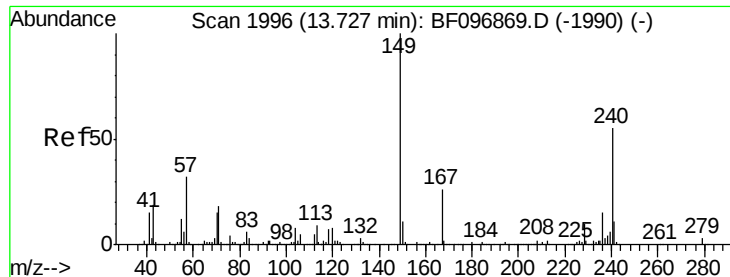
#82
Chrysene
Concen: 6.54 ng
RT: 13.74 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Tgt Ion:228 Resp: 78763
Ion Ratio Lower Upper
228 100
226 29.4 24.9 37.3
229 22.7 15.8 23.6



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: 5.99 ng

RT: 13.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF096881.D

Acq: 19 Jul 2017 20:28

Instrument :

BNA_F

ClientSampleId :

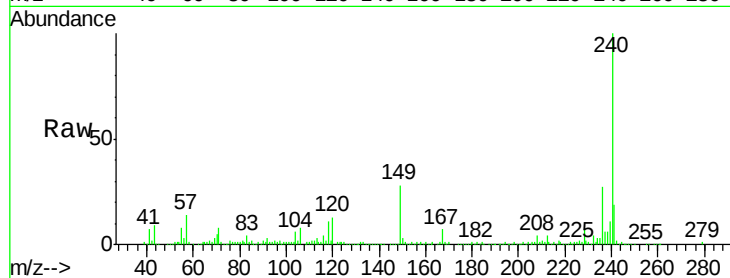
Tot Ion:149 Resp: 61695

Ion Ratio Lower Upper

149 100

167 25.0 21.0 31.4

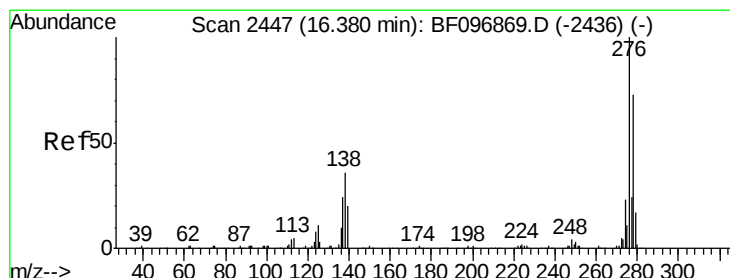
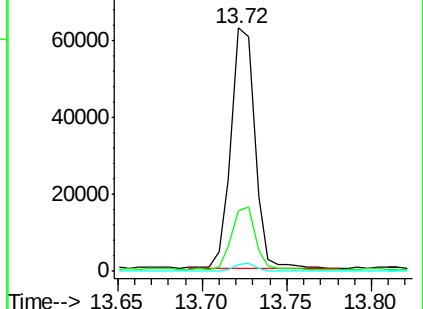
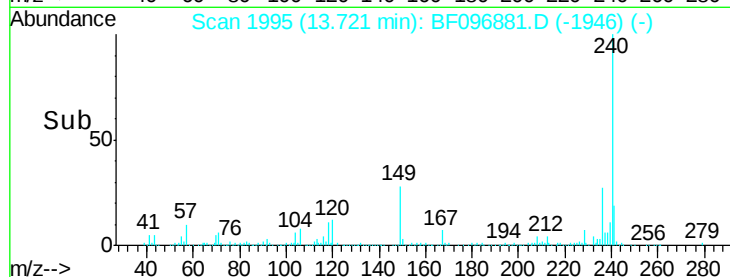
279 2.7 1.9 2.9



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: 5.44 ng

RT: 16.37 min Scan# 2445

Delta R.T. -0.02 min

Lab File: BF096881.D

Acq: 19 Jul 2017 20:28

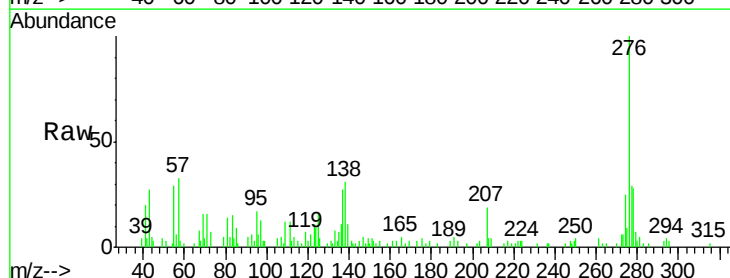
Tgt Ion:276 Resp: 24439

Ion Ratio Lower Upper

276 100

138 38.4 27.8 41.6

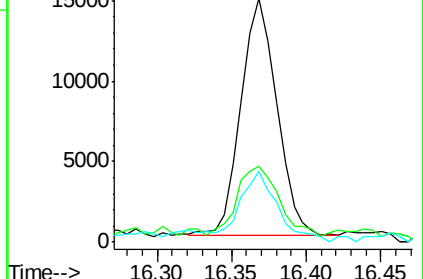
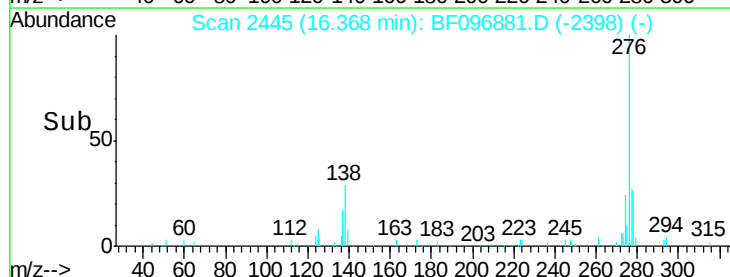
277 31.4 20.2 30.4#

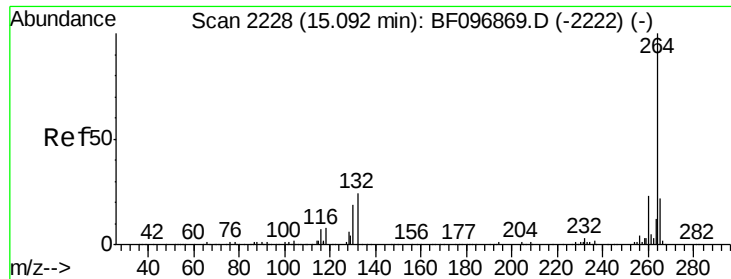


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

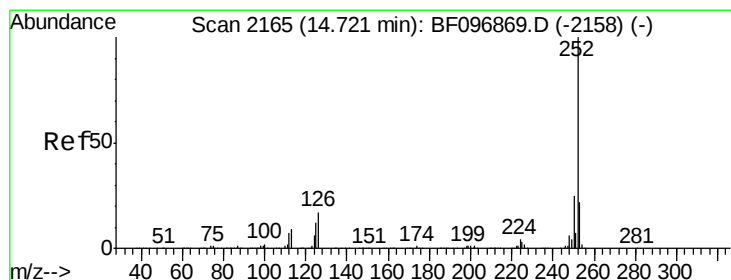
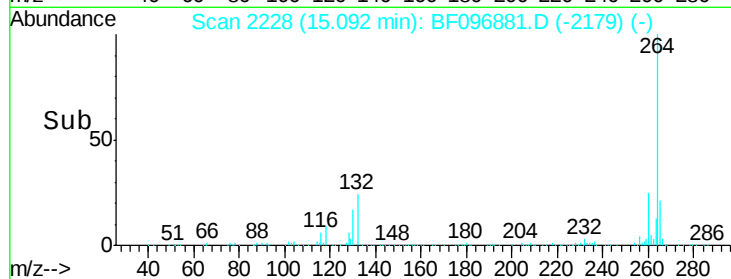
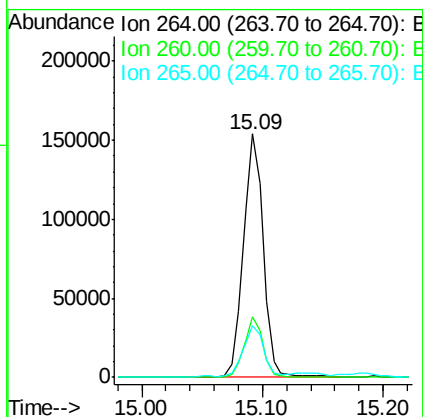
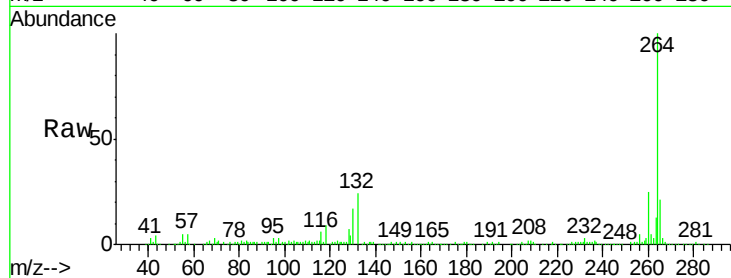




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

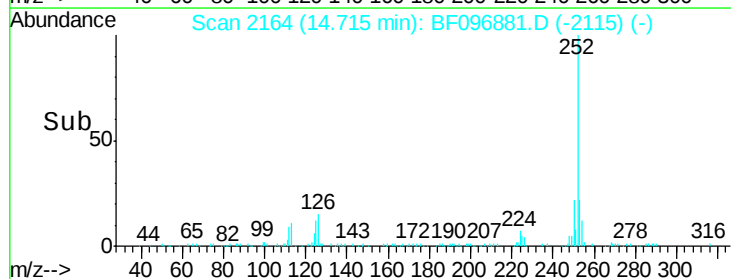
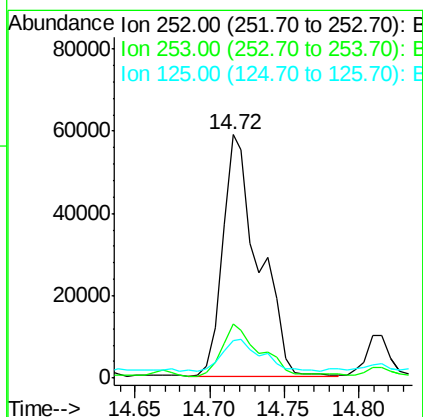
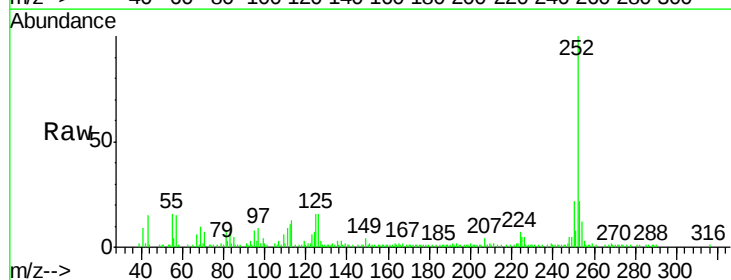
Instrument :
BNA_F
ClientSampleId :

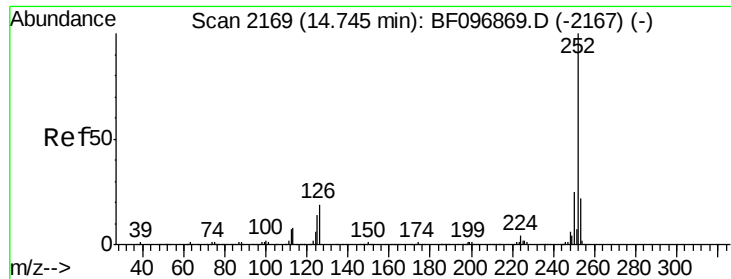
Tot Ion:264 Resp: 178305
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 21.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.11 ng
RT: 14.72 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Tgt Ion:252 Resp: 97931
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 15.6 9.8 14.8#

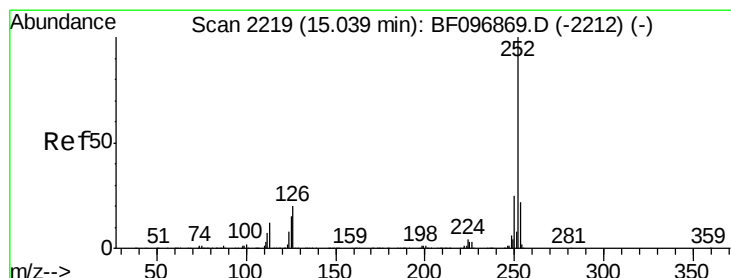
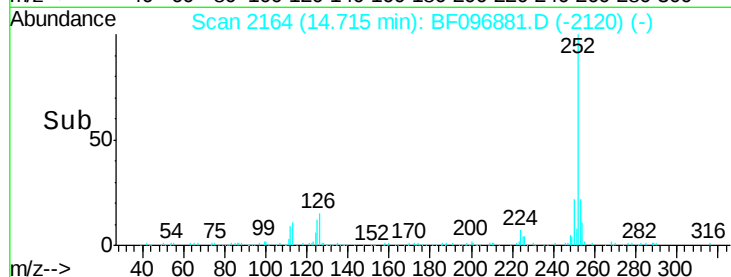
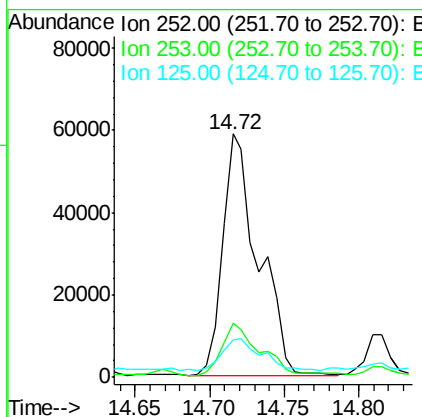
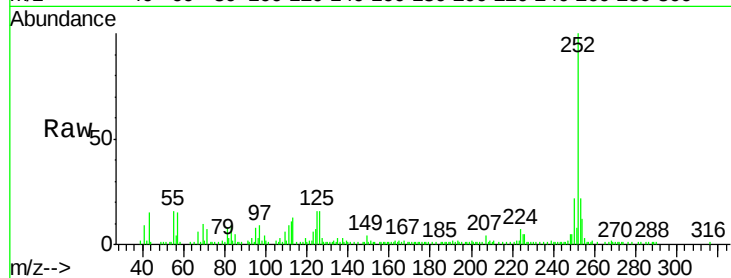




#88
Benzo(k)fluoranthene
Concen: 9.62 ng
RT: 14.72 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

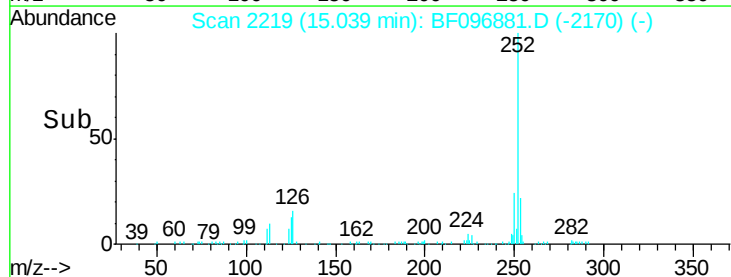
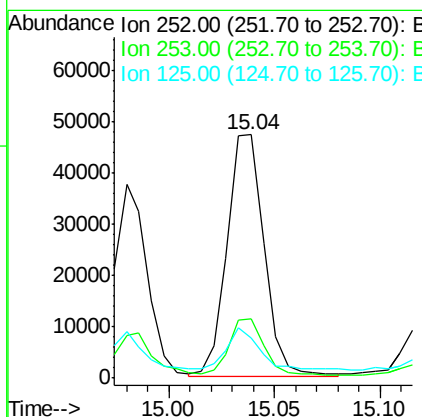
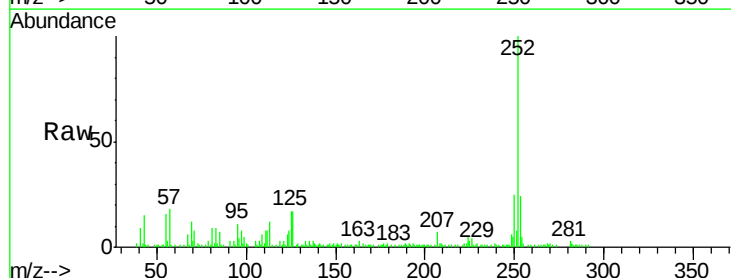
Instrument :
BNA_F
ClientSampleId :

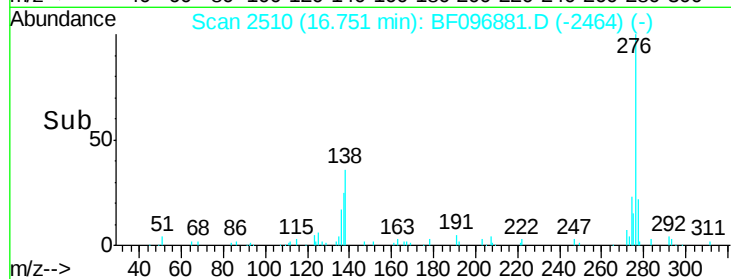
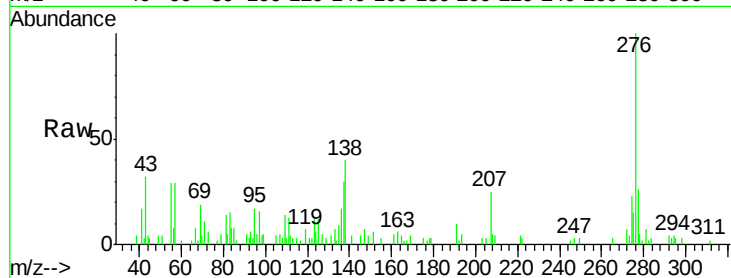
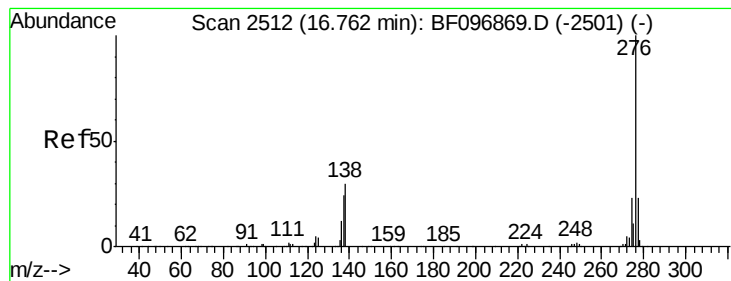
Tot Ion:252 Resp: 97931
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 15.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.79 ng
RT: 15.04 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF096881.D
Acq: 19 Jul 2017 20:28

Tgt Ion:252 Resp: 57153
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 16.5 11.0 16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.73 ng
 RT: 16.75 min Scan# 2510
 Delta R.T. -0.03 min
 Lab File: BF096881.D
 Acq: 19 Jul 2017 20:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	39.7	25.4	38.0

