

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070617\
 Data File : BF096541.D
 Acq On : 6 Jul 2017 18:54
 Operator : SJ/MA
 Sample : I3999-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 07 01:23:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

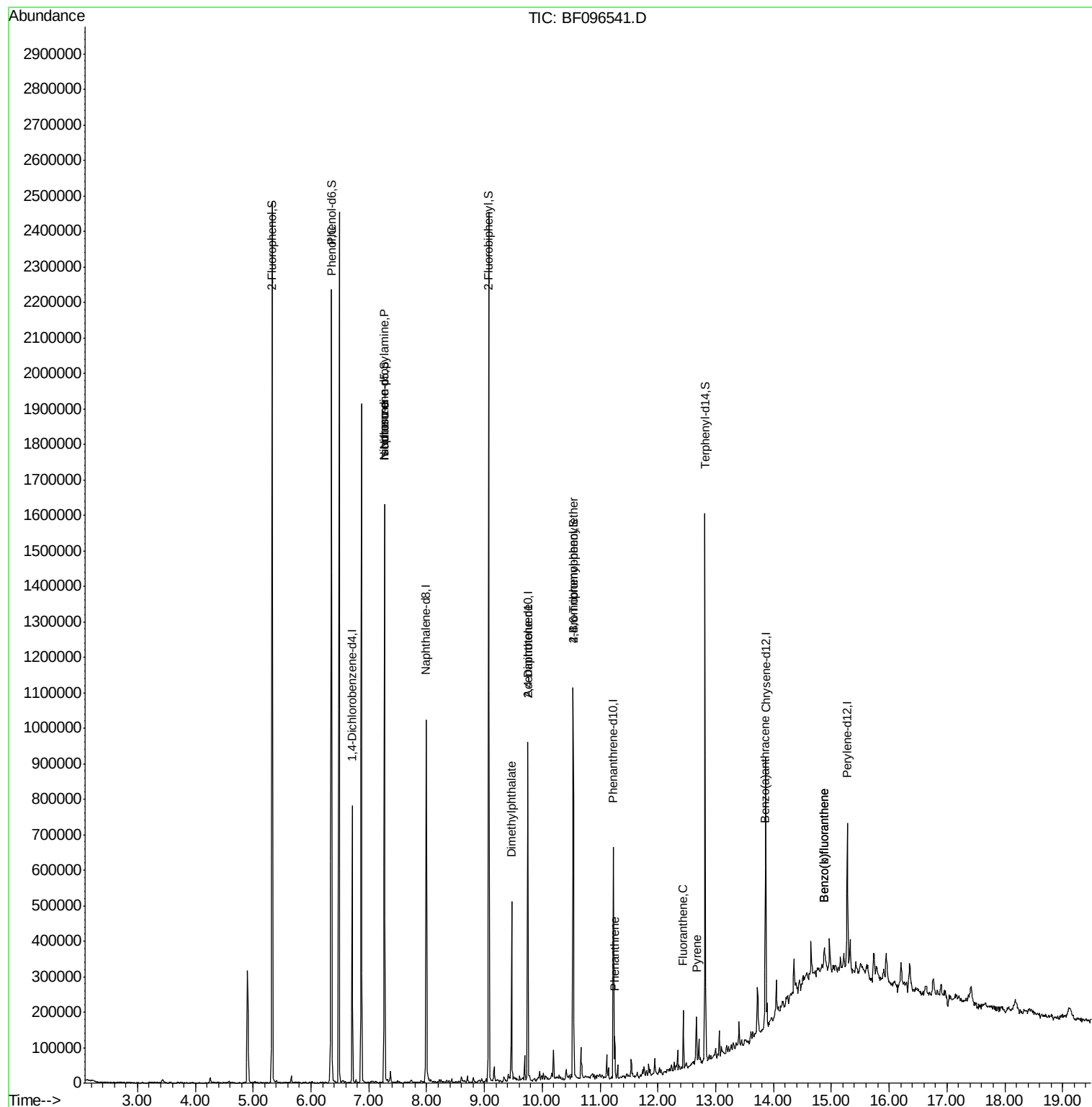
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	114944	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	471611	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	176210	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	240181	20.00	ng	0.00
75) Chrysene-d12	13.86	240	238960	20.00	ng	0.00
86) Perylene-d12	15.28	264	184042	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	696098	89.38	ng	0.00
7) Phenol-d6	6.35	99	834126	87.12	ng	0.00
23) Nitrobenzene-d5	7.27	82	475862	60.63	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	113408	82.39	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	704191	68.33	ng	0.00
78) Terphenyl-d14	12.82	244	463522	41.45	ng	0.00
Target Compounds						
10) Phenol	6.36	94	22408	2.05	ng	Qvalue 95
19) n-Nitroso-di-n-propylamine	7.27	70	61952	10.86	ng	# 87
25) Isophorone	7.27	82	471470	30.98	ng	# 67
49) Dimethylphthalate	9.47	163	193740	14.73	ng	99
56) 2,4-Dinitrotoluene	9.75	165	22289	6.05	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	7073	3.03	ng	# 1
70) Phenanthrene	11.25	178	38641	2.98	ng	98
74) Fluoranthene	12.44	202	57507	4.52	ng	99
77) Pyrene	12.67	202	53822	2.81	ng	97
80) Benzo(a)anthracene	13.85	228	28919	2.09	ng	98
87) Benzo(b)fluoranthene	14.87	252	38207	3.31	ng	# 82
88) Benzo(k)fluoranthene	14.87	252	38207	3.70	ng	# 86

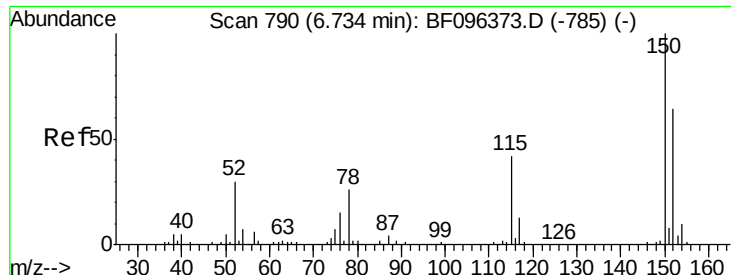
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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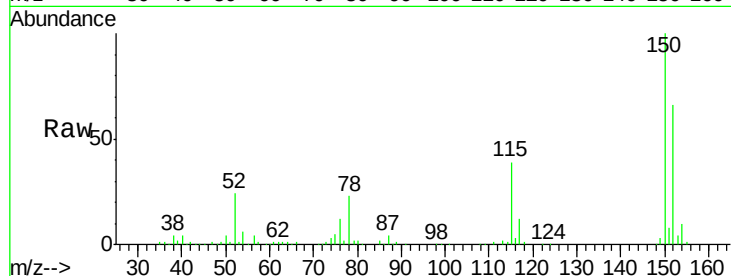


#1

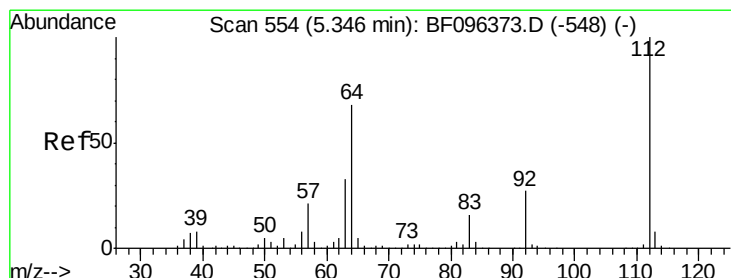
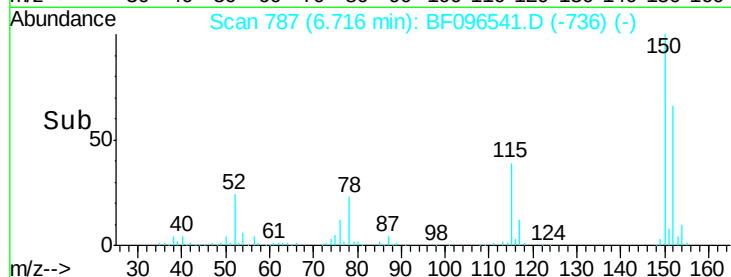
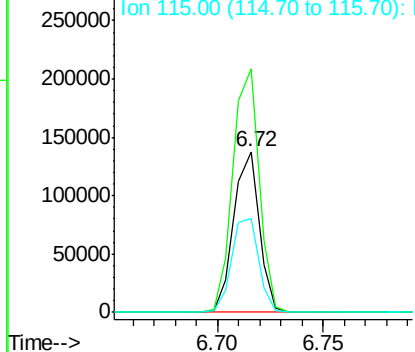
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114944
Ion Ratio Lower Upper
152 100
150 151.4 126.2 189.2
115 58.6 52.2 78.2



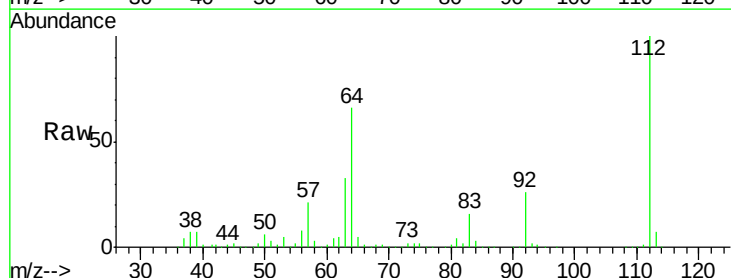
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



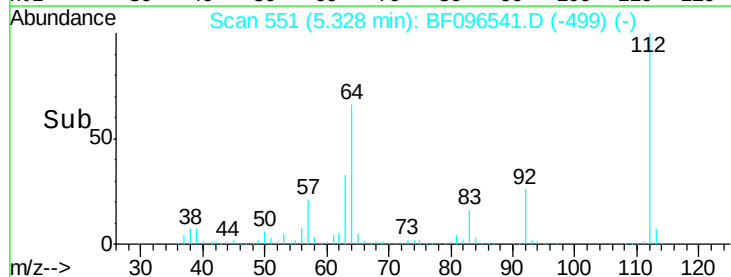
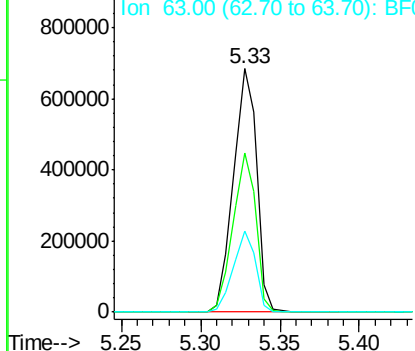
#5

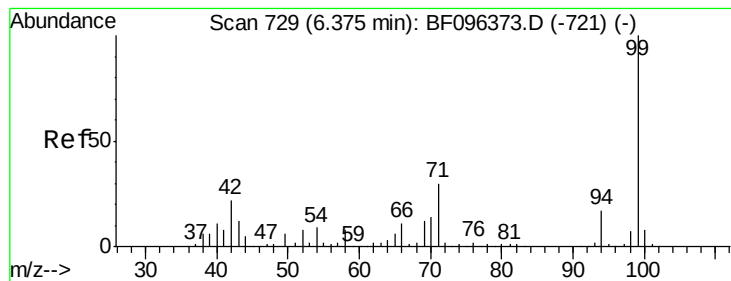
2-Fluorophenol
Concen: 89.38 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Tgt Ion:112 Resp: 696098
Ion Ratio Lower Upper
112 100
64 65.5 46.0 69.0
63 33.3 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: 87.12 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096541.D

Acq: 6 Jul 2017 18:54

Instrument :

BNA_F

ClientSampled :

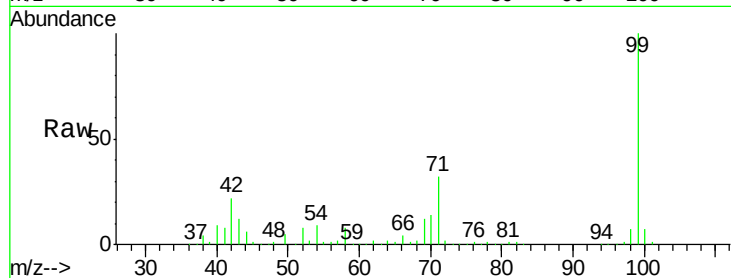
Tot Ion: 99 Resp: 834126

Ion Ratio Lower Upper

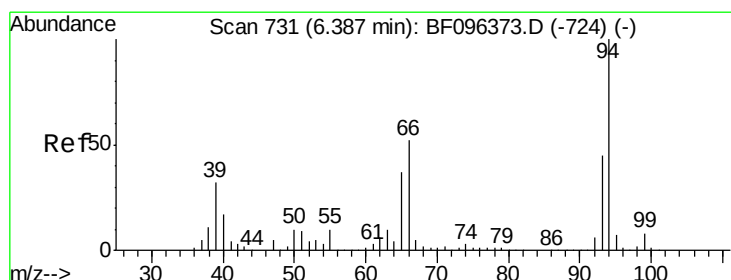
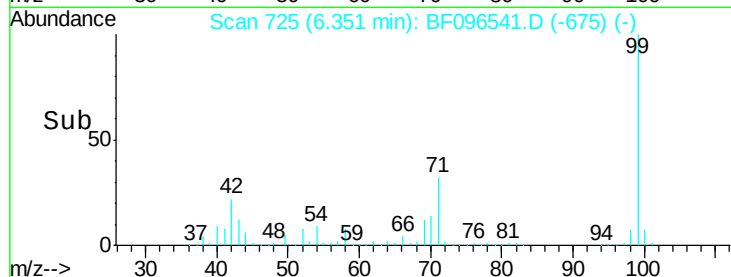
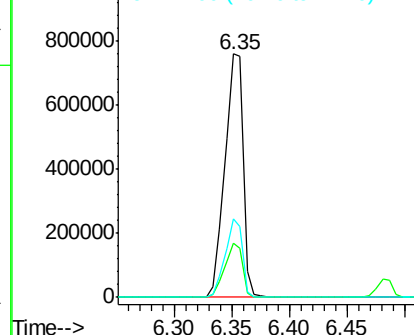
99 100

42 22.5 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: 2.05 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096541.D

Acq: 6 Jul 2017 18:54

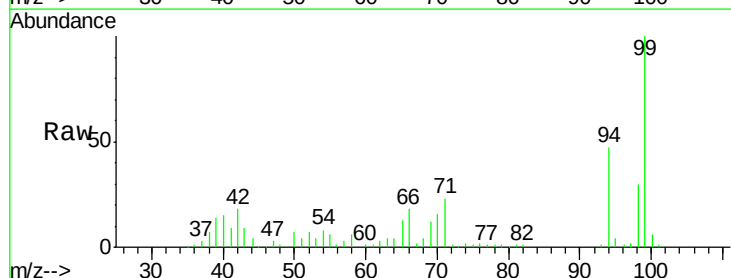
Tgt Ion: 94 Resp: 22408

Ion Ratio Lower Upper

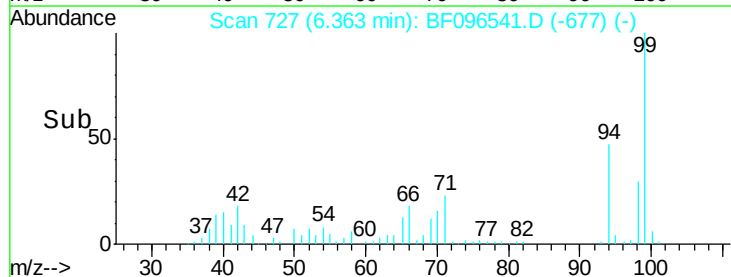
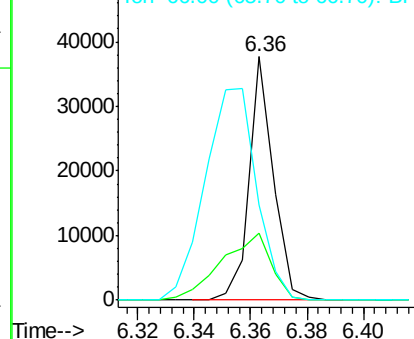
94 100

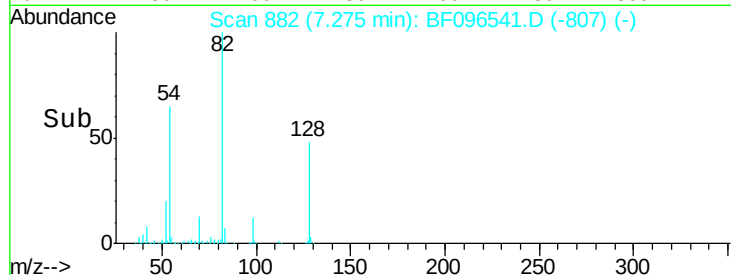
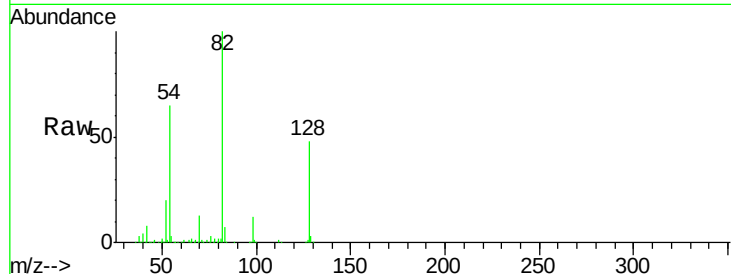
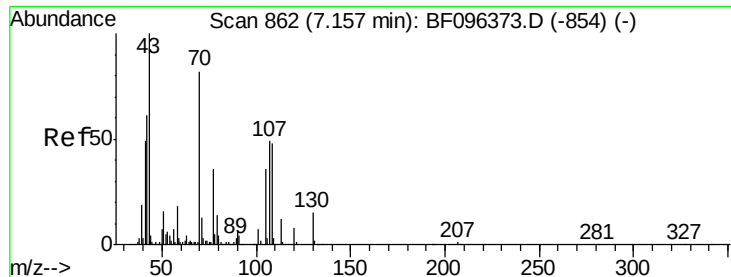
65 27.8 9.9 49.9

66 39.1 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

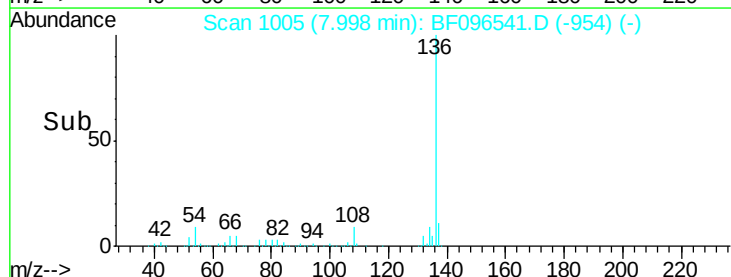
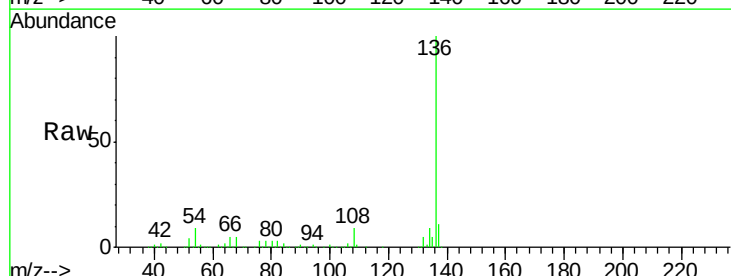
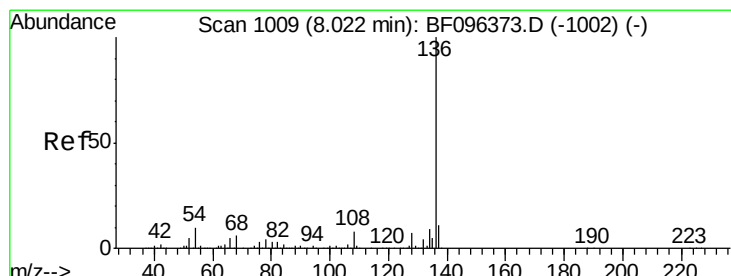
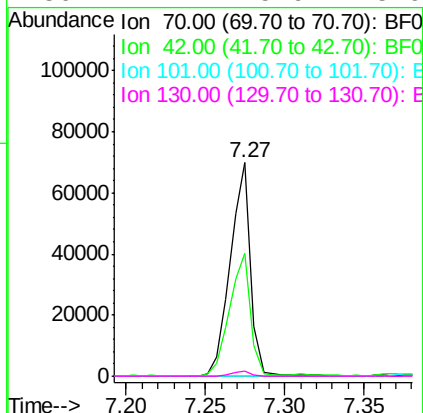




#19
n-Nitroso-di-n-propylamine
Concen: 10.86 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

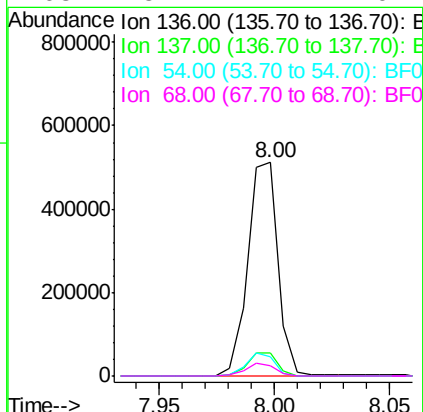
Instrument :
BNA_F
ClientSampleId :

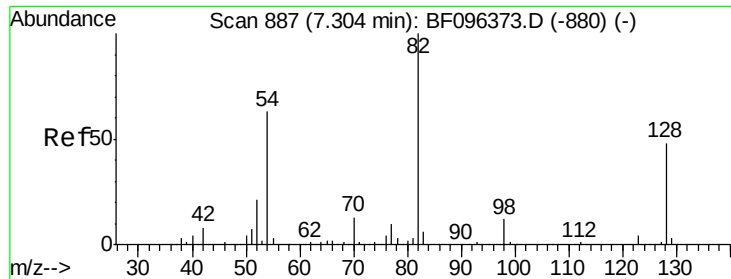
Tot Ion: 70 Resp: 61952
Ion Ratio Lower Upper
70 100
42 57.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Tgt Ion: 136 Resp: 471611
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 8.9 4.9 7.3#
68 5.1 4.1 6.1

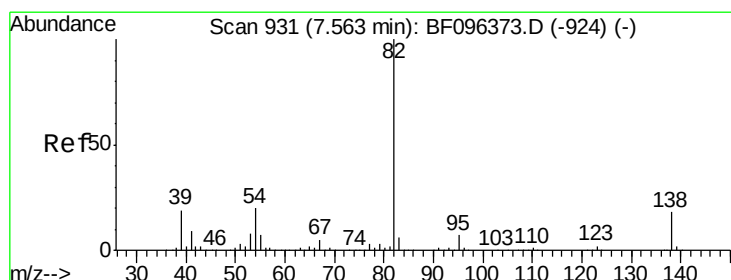
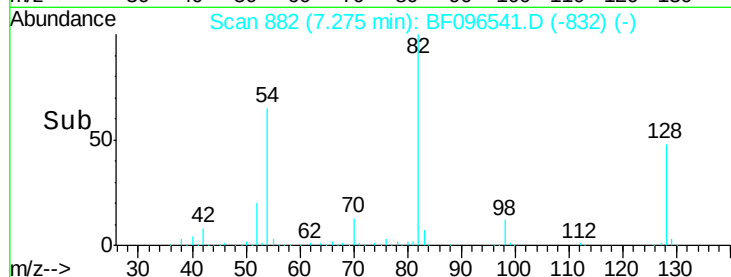
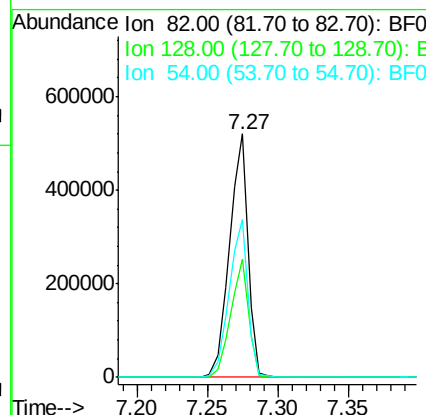
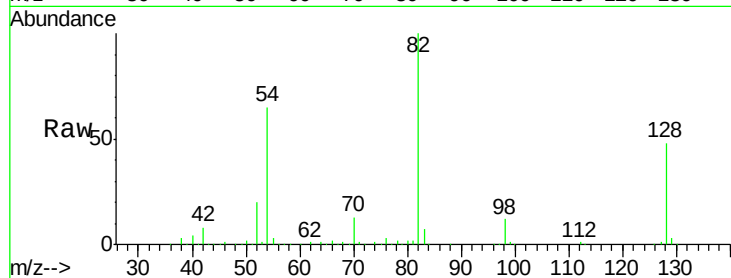




#23
Nitrobenzene-d5
Concen: 60.63 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

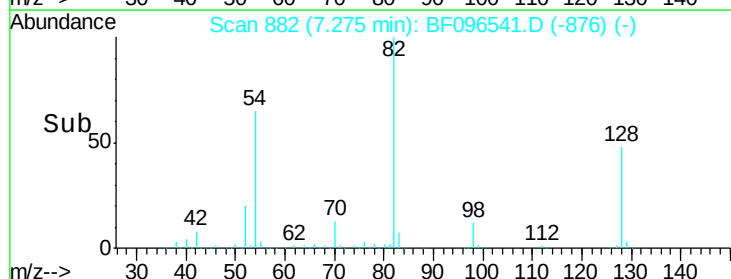
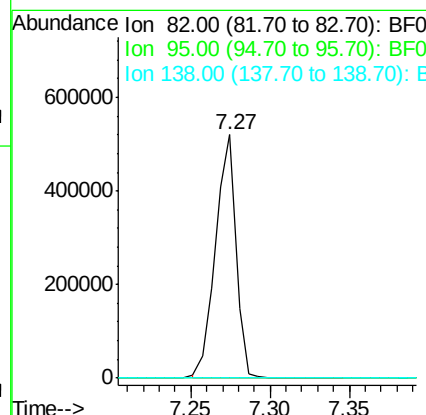
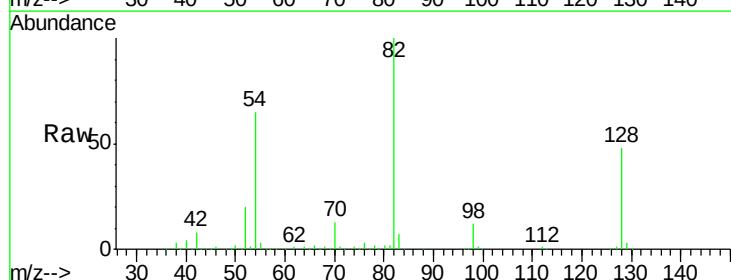
Instrument :
BNA_F
ClientSampleId :

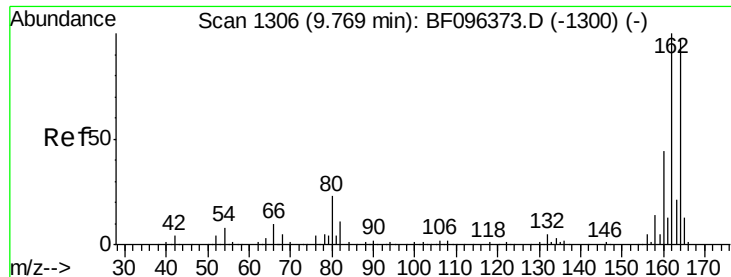
Tot Ion: 82 Resp: 475862
Ion Ratio Lower Upper
82 100
128 48.4 34.0 51.0
54 64.8 42.2 63.2#



#25
Isophorone
Concen: 30.98 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Tgt Ion: 82 Resp: 471470
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

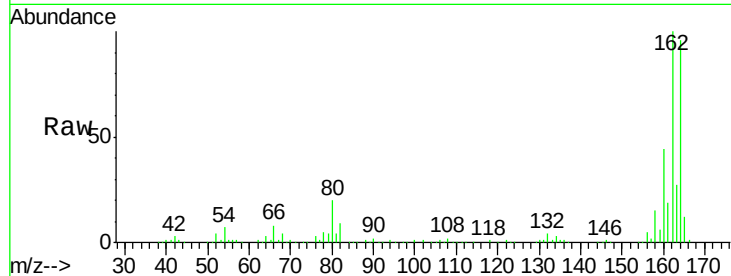




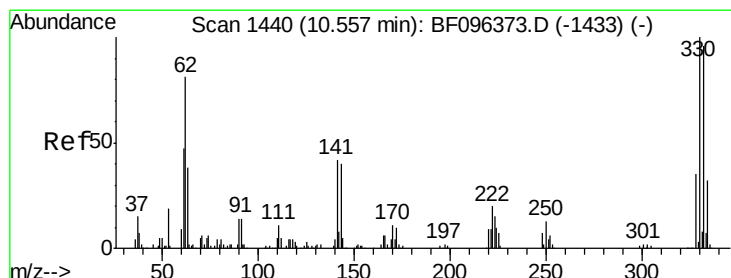
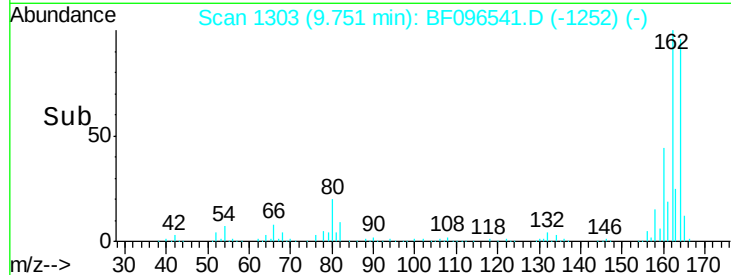
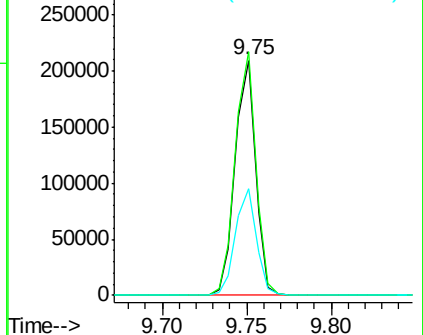
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 176210
Ion Ratio Lower Upper
164 100
162 103.7 82.6 123.8
160 45.5 36.2 54.2

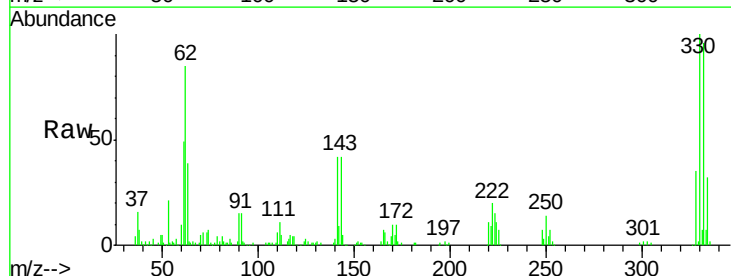


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

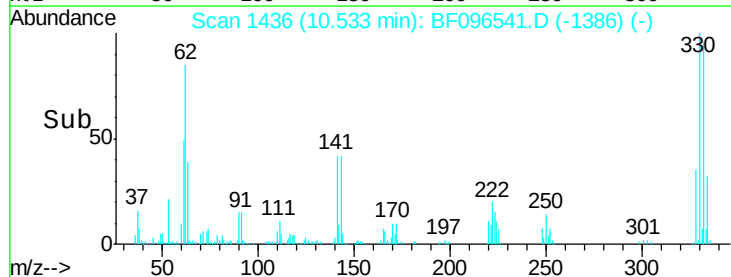
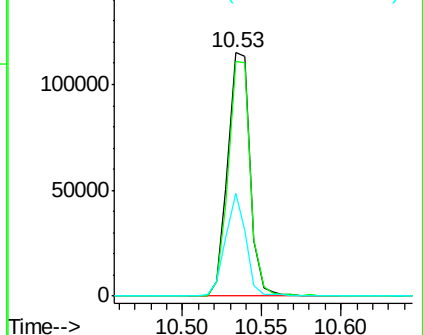


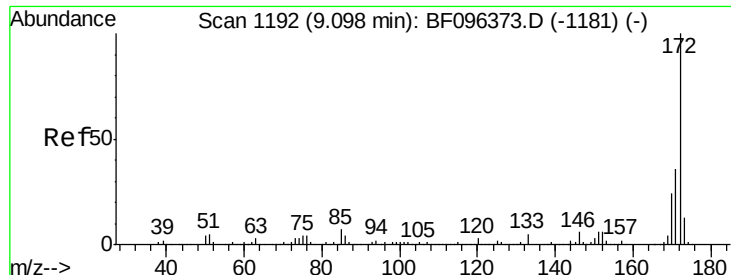
#41
2,4,6-Tribromophenol
Concen: 82.39 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Tgt Ion:330 Resp: 113408
Ion Ratio Lower Upper
330 100
332 95.3 76.6 115.0
141 38.7 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

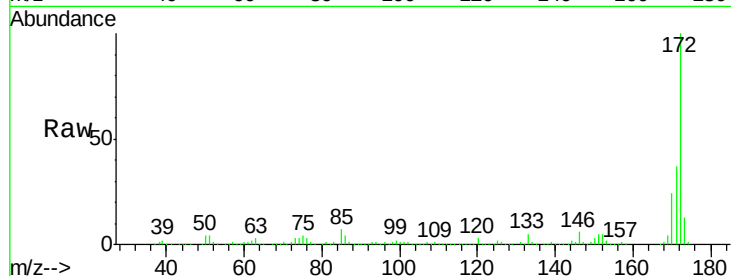




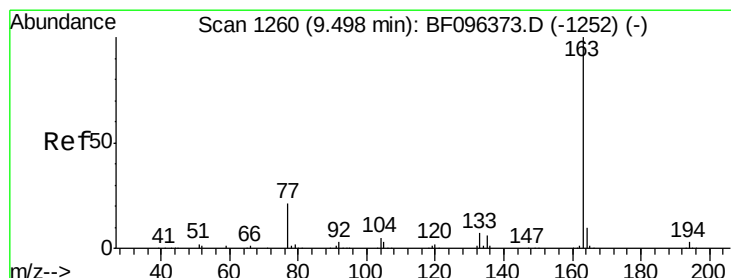
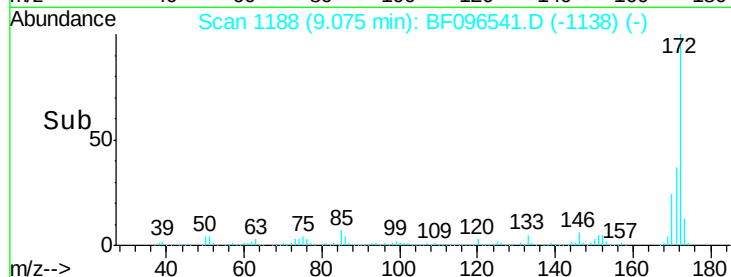
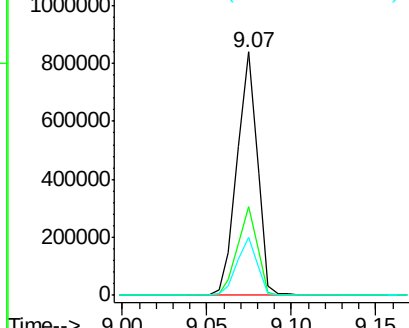
#44
2-Fluorobiphenyl
Concen: 68.33 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 704191
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 23.6 19.8 29.8

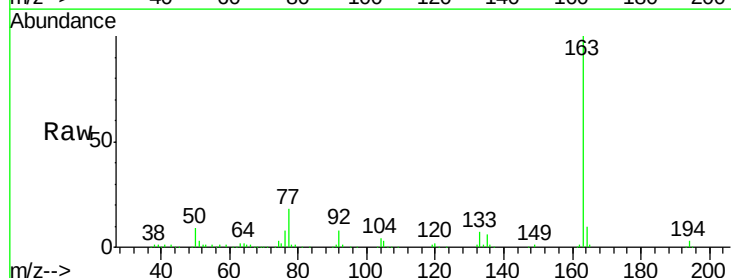


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

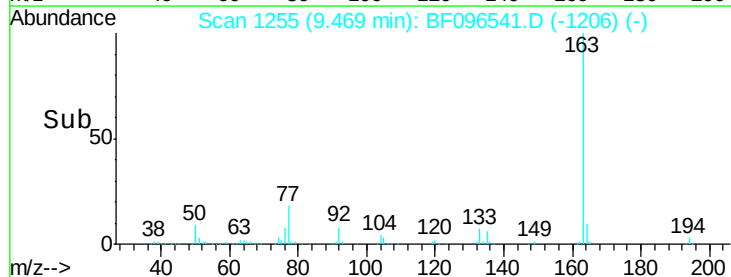
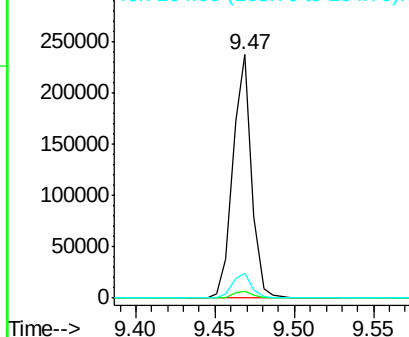


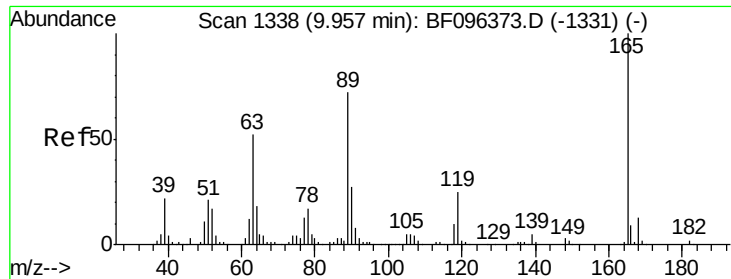
#49
Dimethylphthalate
Concen: 14.73 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Tgt Ion:163 Resp: 193740
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.2 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

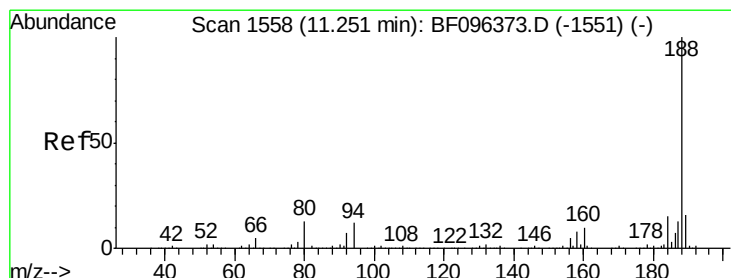
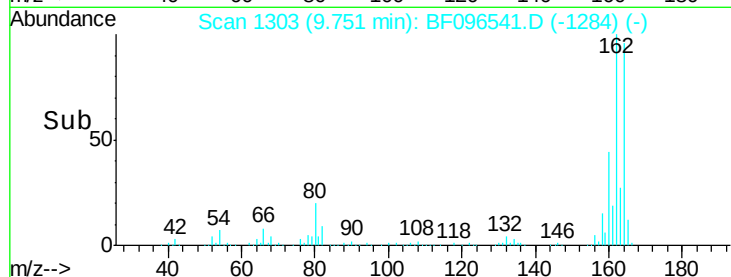
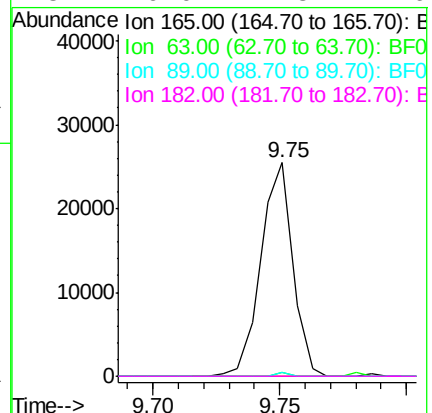
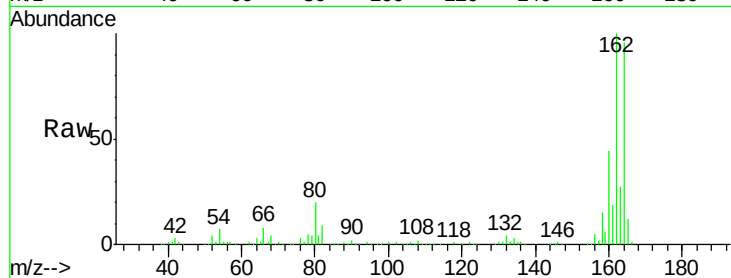




#56
 2,4-Dinitrotoluene
 Concen: 6.05 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF096541.D
 Acq: 6 Jul 2017 18:54

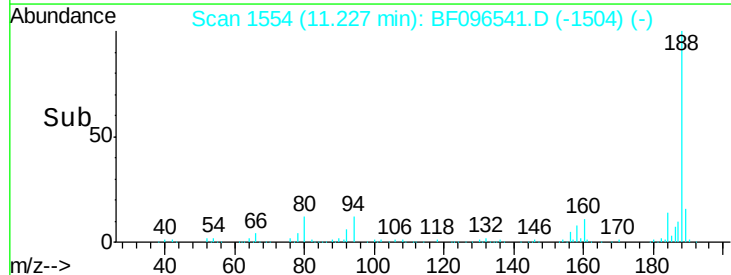
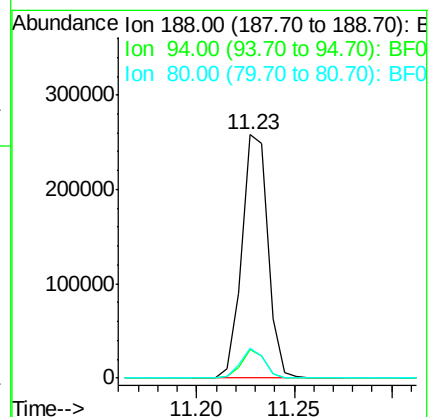
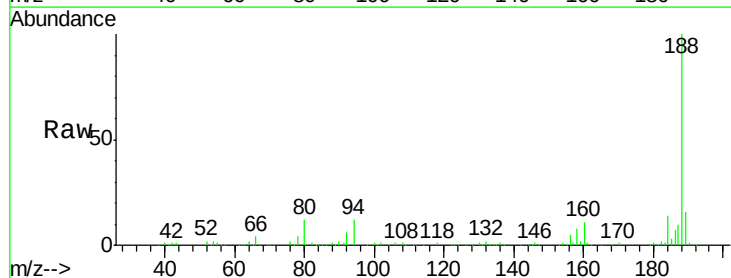
Instrument :
 BNA_F
 ClientSampleId :

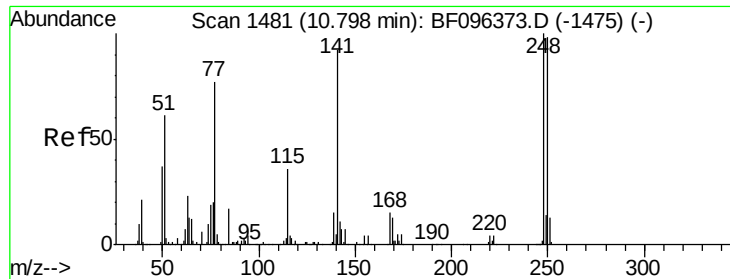
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096541.D
 Acq: 6 Jul 2017 18:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	12.0	10.2	15.2

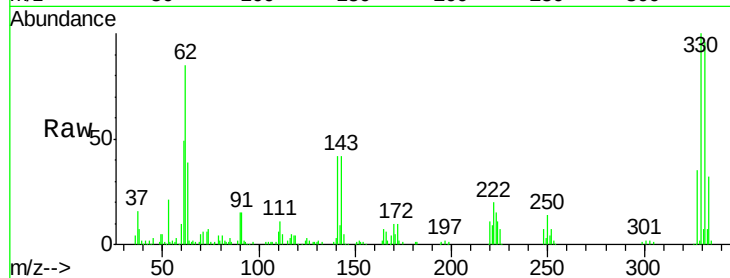




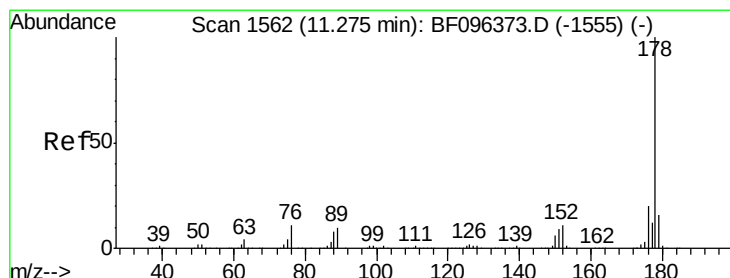
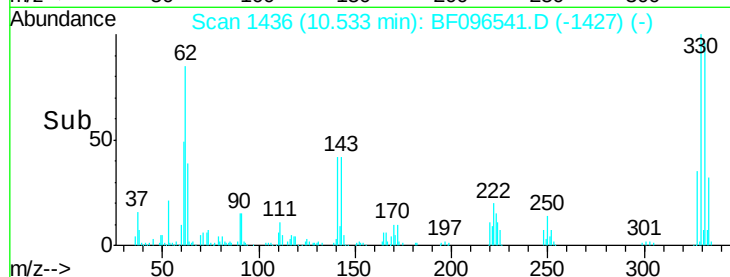
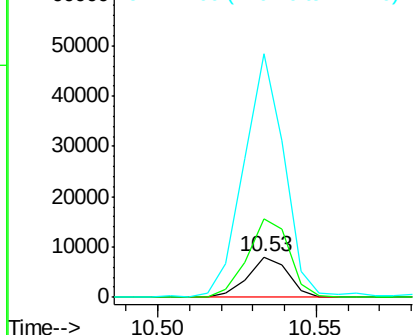
#66
4-Bromophenyl-phenylether
Concen: 3.03 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7073
Ion Ratio Lower Upper
248 100
250 194.5 76.8 115.2#
141 605.5 68.6 103.0#

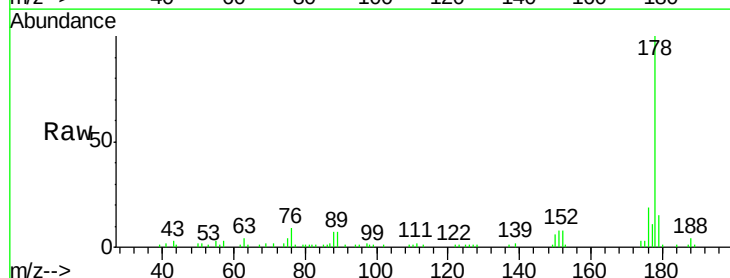


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

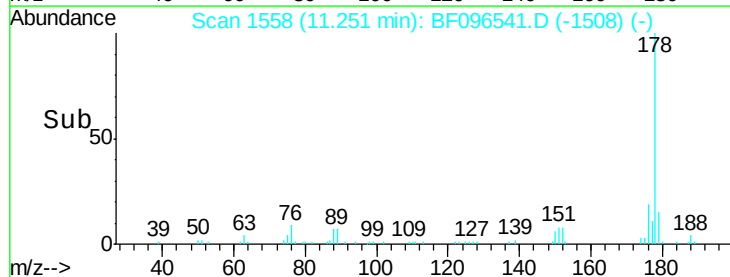
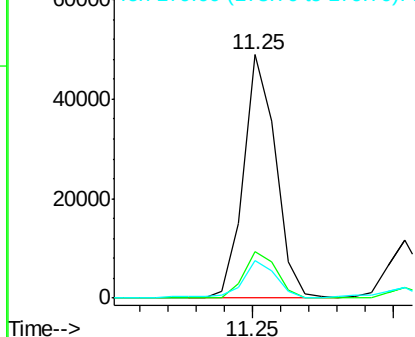


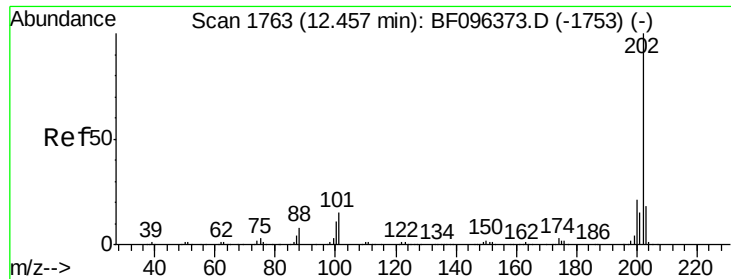
#70
Phenanthrene
Concen: 2.98 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Tgt Ion:178 Resp: 38641
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.4 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





#74

Fluoranthene

Concen: 4.52 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096541.D

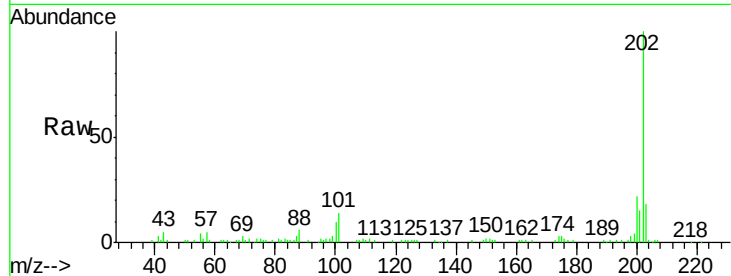
Acq: 6 Jul 2017 18:54

Instrument :

BNA_F

ClientSampleId :

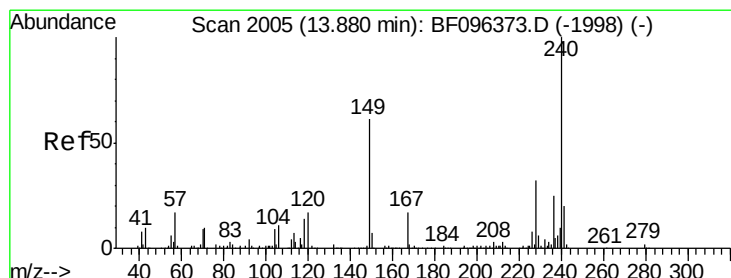
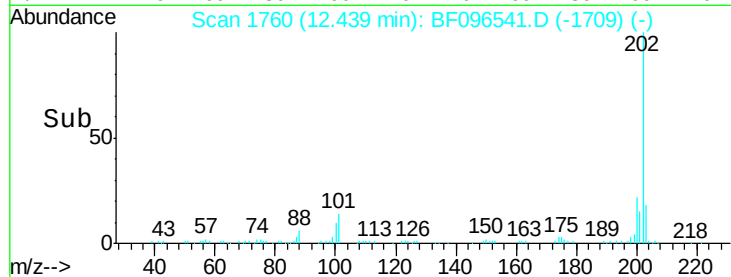
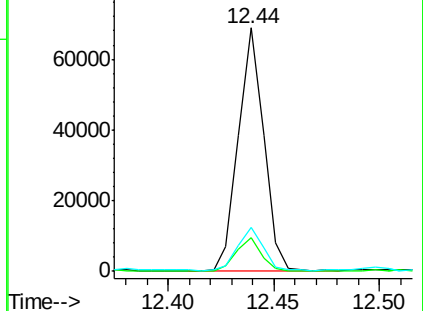
Tot Ion:	202	Resp:	57507
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	33.2
203	18.0	0.0	38.1



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

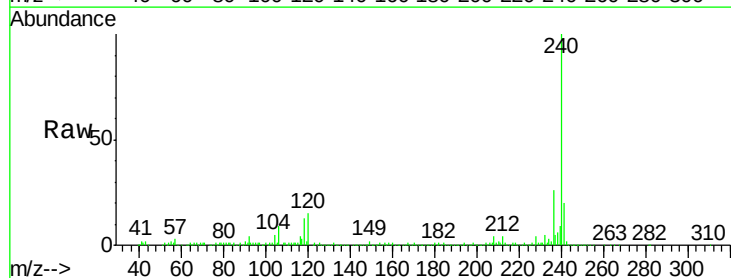
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096541.D

Acq: 6 Jul 2017 18:54

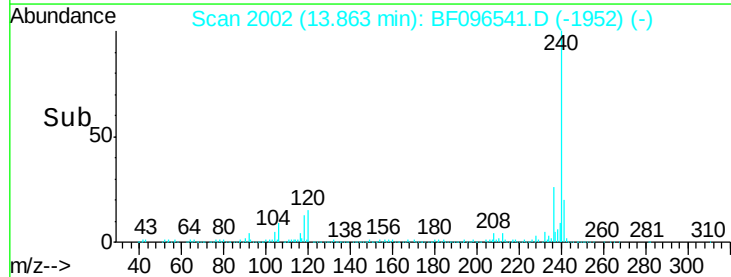
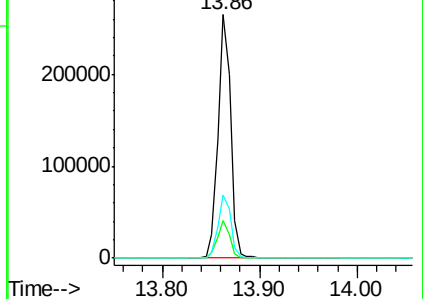
Tgt Ion:	240	Resp:	238960
Ion Ratio	Lower	Upper	
240	100		
120	15.2	5.8	8.8#
236	25.8	20.5	30.7

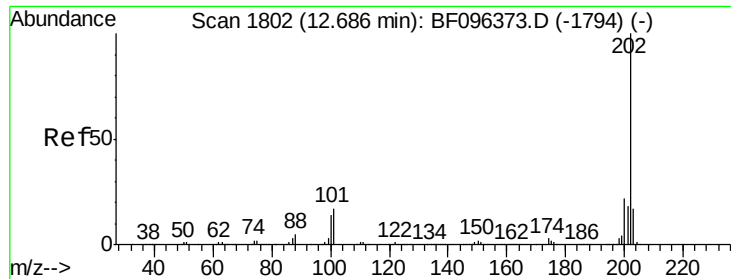


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.81 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF096541.D

Acq: 6 Jul 2017 18:54

Instrument :

BNA_F

ClientSampleId :

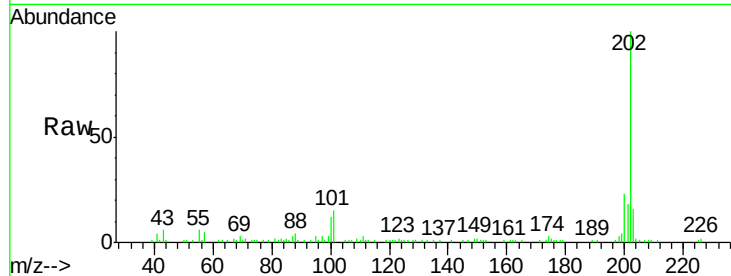
Tot Ion:202 Resp: 53822

Ion Ratio Lower Upper

202 100

200 22.9 17.6 26.4

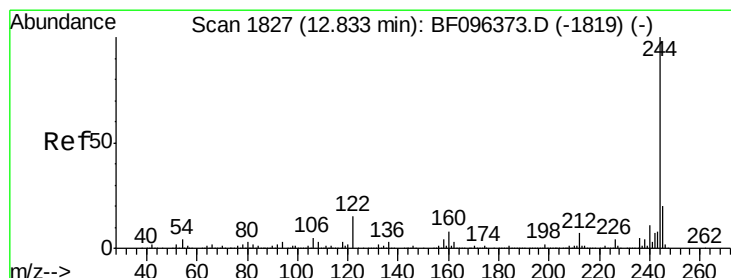
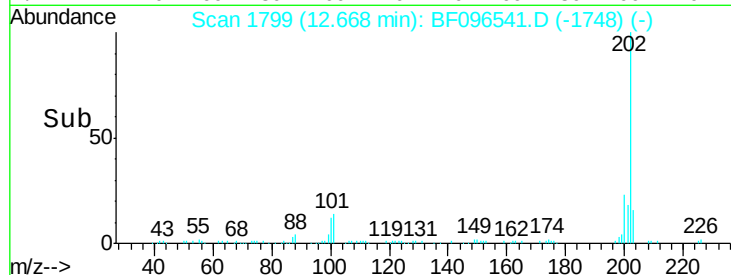
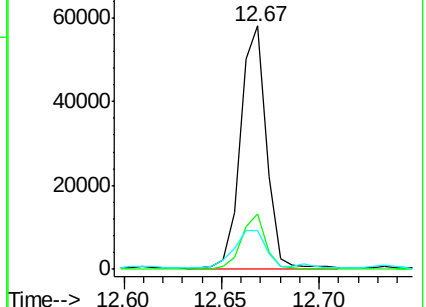
203 16.2 14.4 21.6



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: 41.45 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096541.D

Acq: 6 Jul 2017 18:54

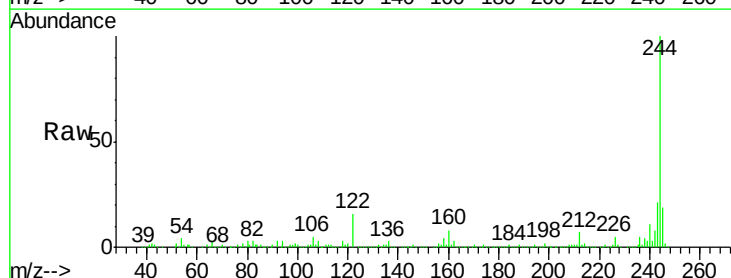
Tgt Ion:244 Resp: 463522

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

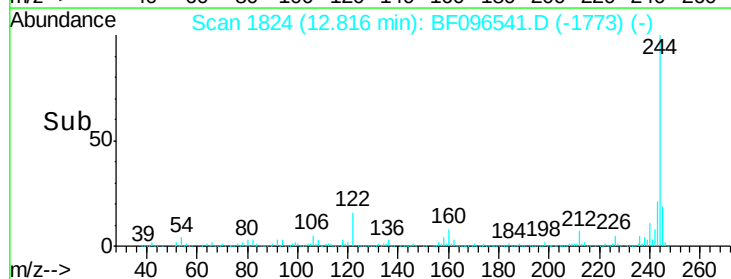
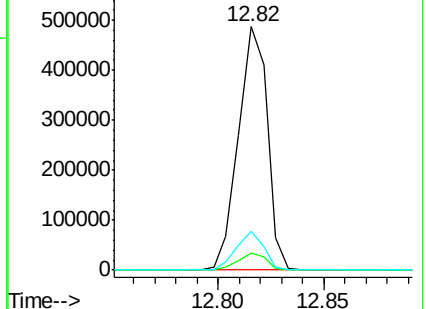
122 16.1 10.3 15.5#

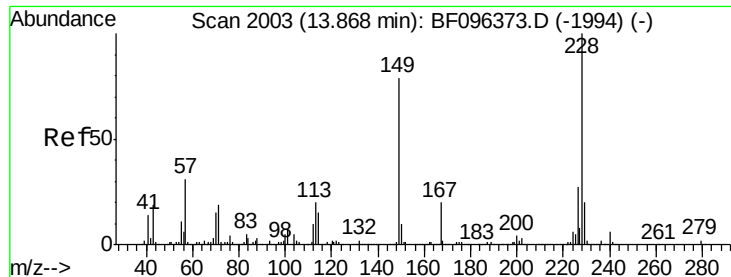


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

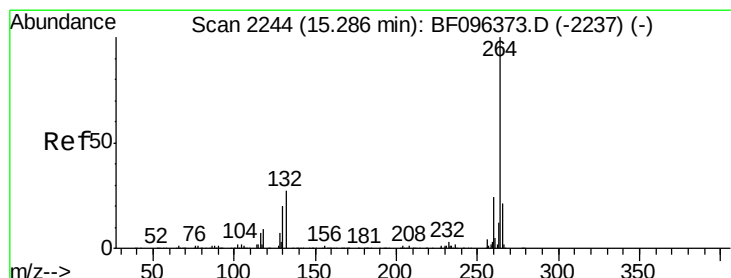
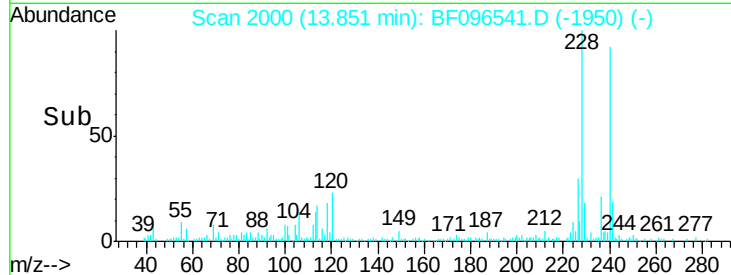
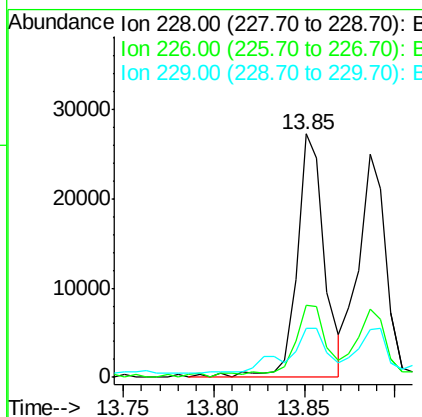
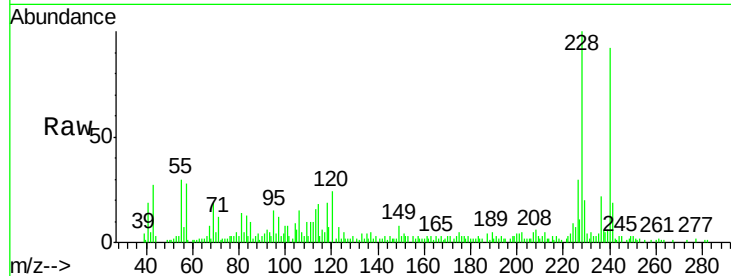




#80
 Benzo(a)anthracene
 Concen: 2.09 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF096541.D
 Acq: 6 Jul 2017 18:54

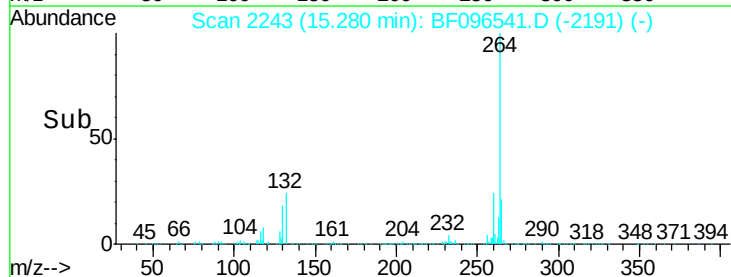
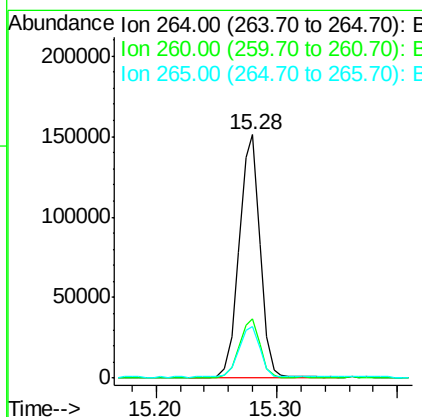
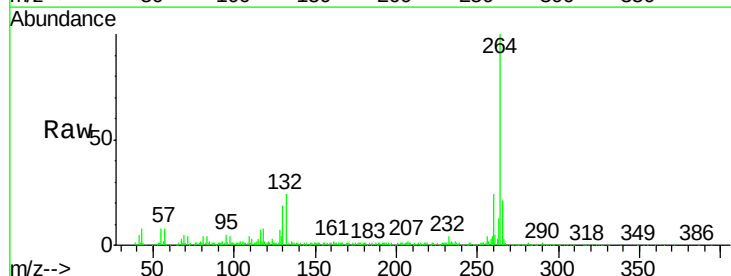
Instrument :
 BNA_F
 ClientSampleId :

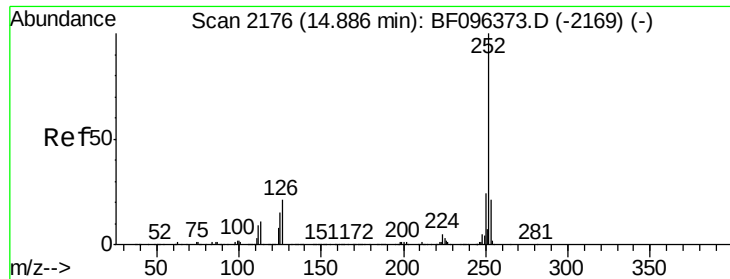
Tot Ion:	228	Resp:	28919
Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.2	16.3	24.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF096541.D
 Acq: 6 Jul 2017 18:54

Tgt Ion:	264	Resp:	184042
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.4	17.2	25.8

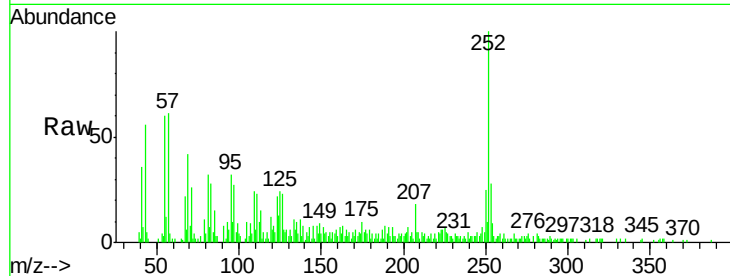




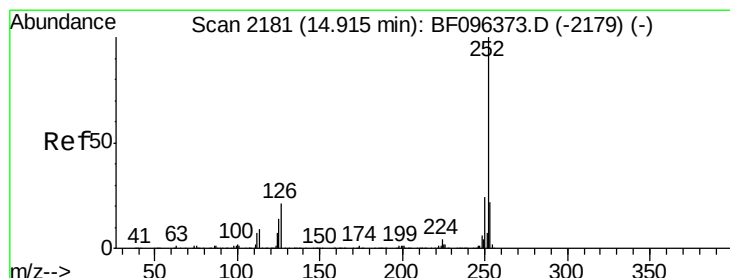
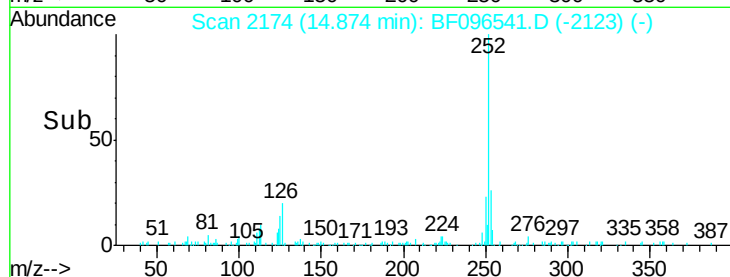
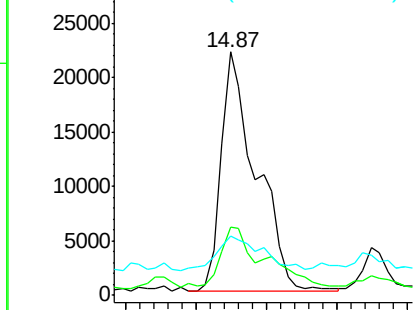
#87
Benzo(b)fluoranthene
Concen: 3.31 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 38207
Ion Ratio Lower Upper
252 100
253 27.9 18.1 27.1#
125 24.4 9.8 14.8#

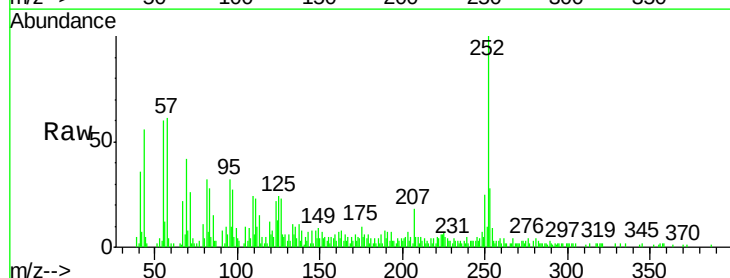


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 3.70 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF096541.D
Acq: 6 Jul 2017 18:54

Tgt Ion:252 Resp: 38207
Ion Ratio Lower Upper
252 100
253 27.9 18.4 27.6#
125 24.4 13.1 19.7#



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

