

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096477.D
 Acq On : 5 Jul 2017 12:08
 Operator : SJ/MA
 Sample : I4007-01RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 05 13:17:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

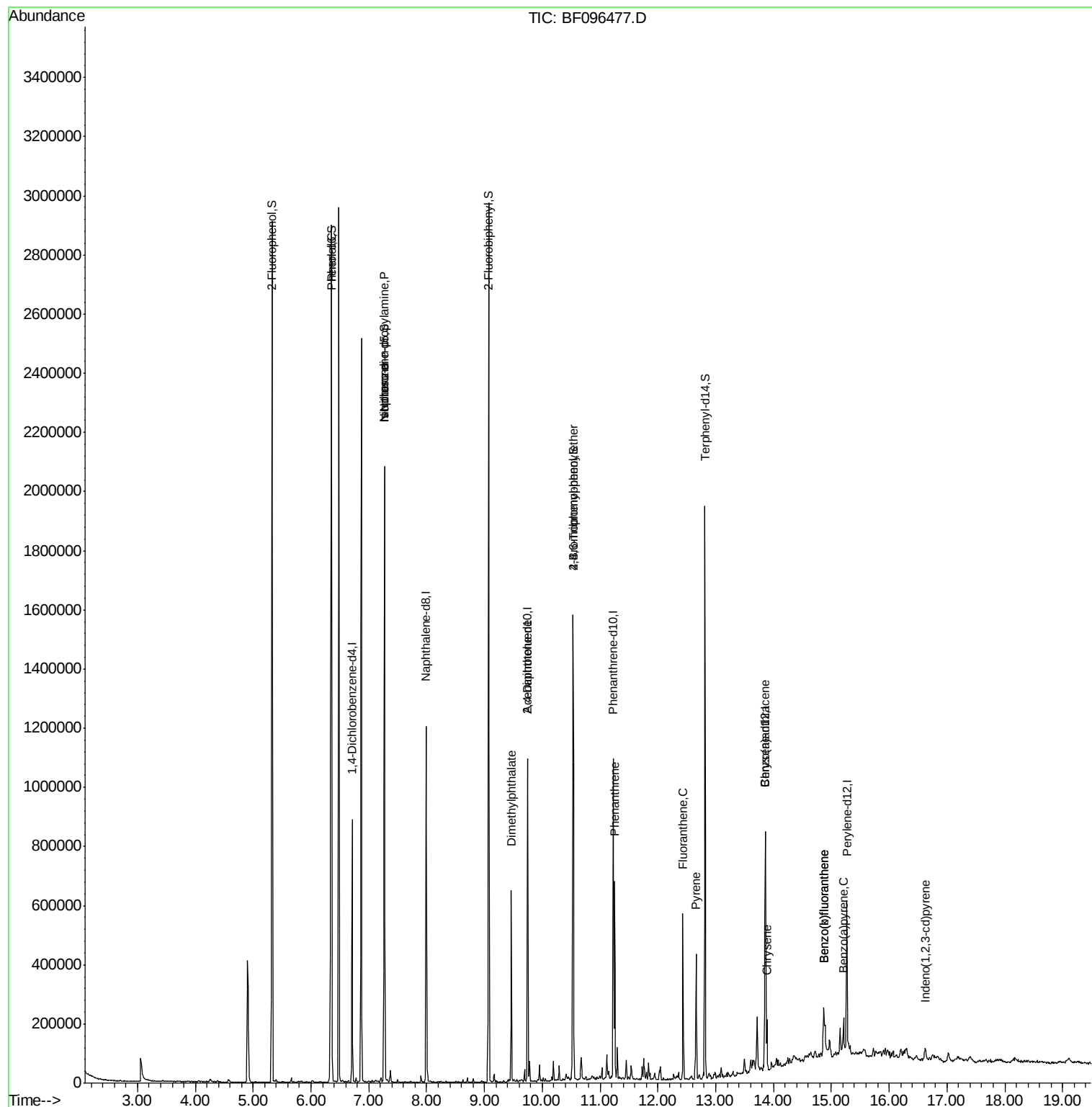
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	127681	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	524551	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	223814	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	364078	20.00	ng	-0.02
75) Chrysene-d12	13.86	240	237756	20.00	ng	-0.02
86) Perylene-d12	15.27	264	212870	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	836440	96.69	ng	-0.02
7) Phenol-d6	6.35	99	1133993	106.63	ng	-0.02
23) Nitrobenzene-d5	7.27	82	653786	74.90	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	174903	100.04	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	906332	69.24	ng	-0.02
78) Terphenyl-d14	12.82	244	560149	50.34	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.36	94	60498	4.99	ng	91
19) n-Nitroso-di-n-propylamine	7.27	70	86409	13.64	ng	# 87
25) Isophorone	7.27	82	653064	38.59	ng	# 67
49) Dimethylphthalate	9.47	163	263761	15.79	ng	98
56) 2,4-Dinitrotoluene	9.75	165	28686	6.13	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	11237	3.17	ng	# 1
70) Phenanthrene	11.25	178	219492	11.15	ng	98
74) Fluoranthene	12.43	202	225351	11.68	ng	97
77) Pyrene	12.66	202	157557	8.26	ng	97
80) Benzo(a)anthracene	13.85	228	67022	4.87	ng	98
82) Chrysene	13.89	228	66943	4.64	ng	99
85) Indeno(1,2,3-cd)pyrene	16.62	276	24296	2.13	ng	93
87) Benzo(b)fluoranthene	14.87	252	102800	7.71	ng	# 96
88) Benzo(k)fluoranthene	14.87	252	102800	8.62	ng	99
89) Benzo(a)pyrene	15.21	252	47681	4.00	ng	97

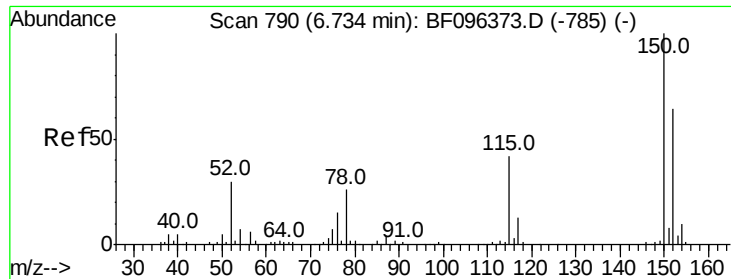
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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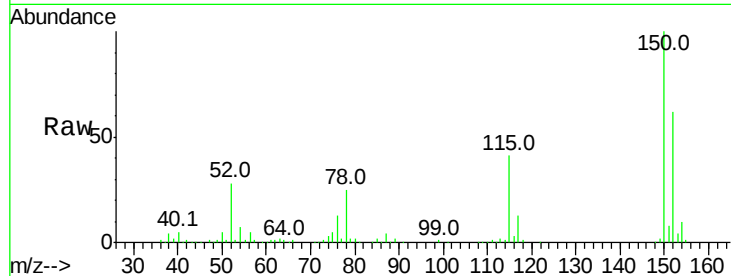


#1

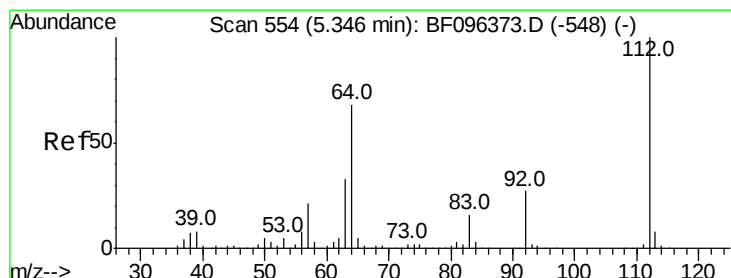
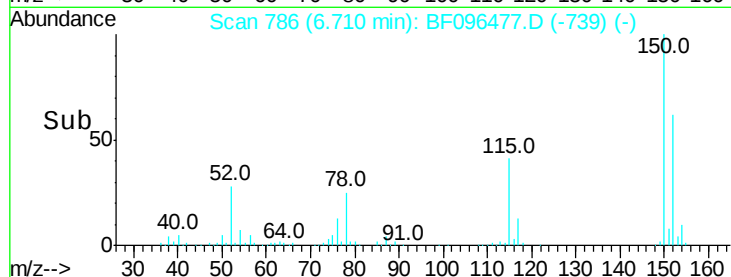
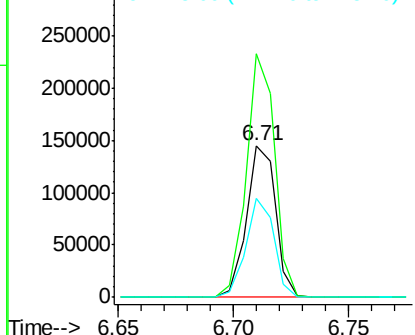
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.2	189.2
115	65.1	52.2	78.2



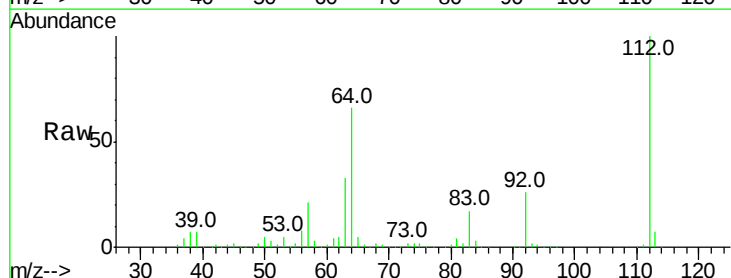
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



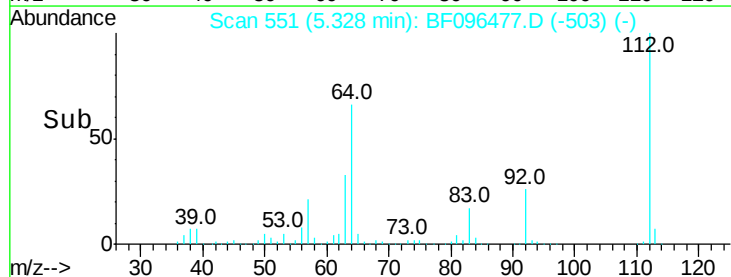
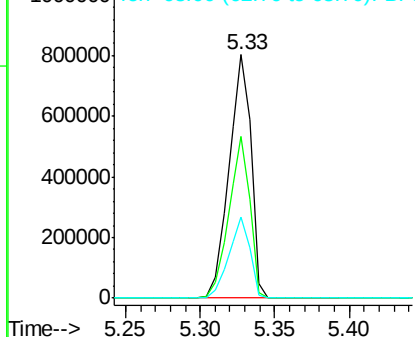
#5

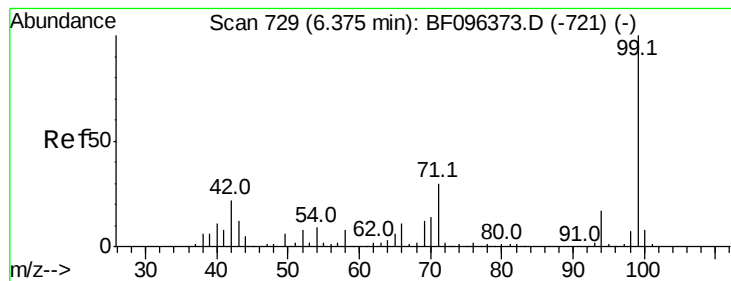
2-Fluorophenol
Concen: 96.69 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	46.0	69.0
63	33.1	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: 106.63 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096477.D

Acq: 5 Jul 2017 12:08

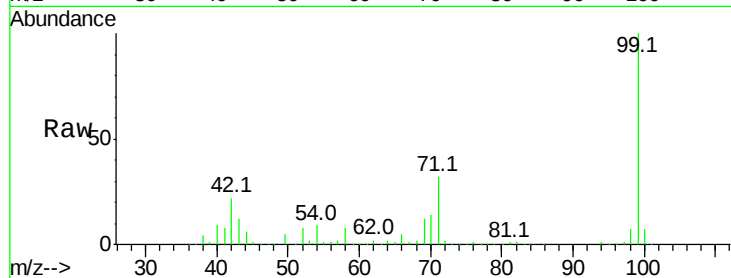
Instrument :

BNA_F

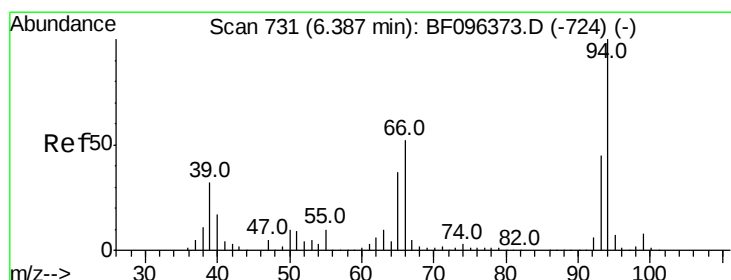
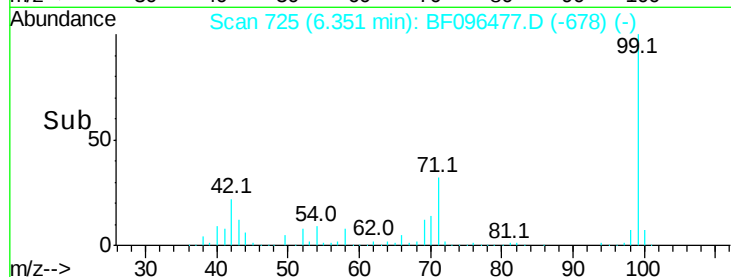
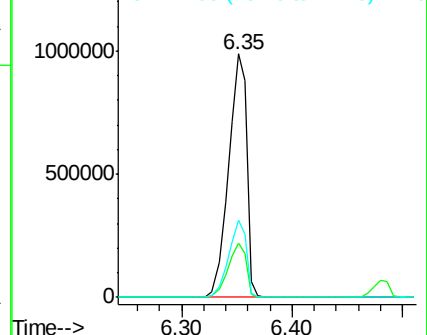
ClientSampled :

Tot Ion: 99 Resp: 1133993

Ion	Ratio	Lower	Upper
99	100		
42	22.4	13.5	20.3#
71	31.9	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: 4.99 ng

RT: 6.36 min Scan# 727

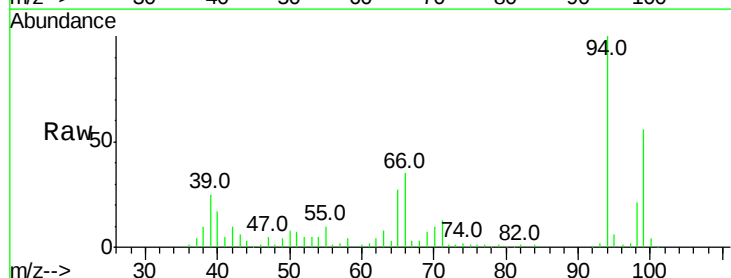
Delta R.T. -0.02 min

Lab File: BF096477.D

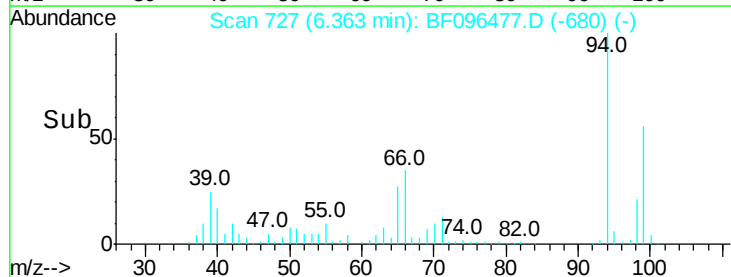
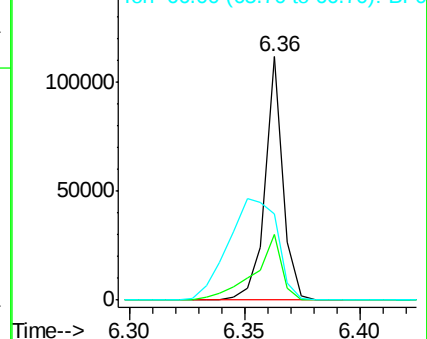
Acq: 5 Jul 2017 12:08

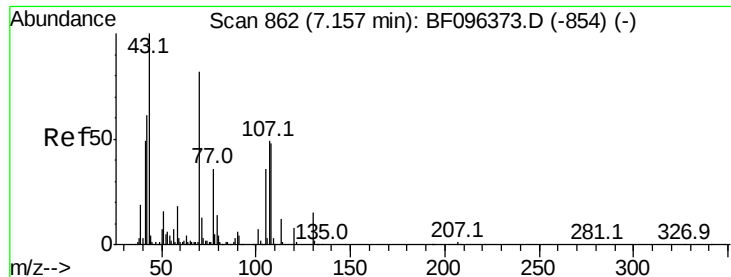
Tgt Ion: 94 Resp: 60498

Ion	Ratio	Lower	Upper
94	100		
65	27.0	9.9	49.9
66	35.3	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

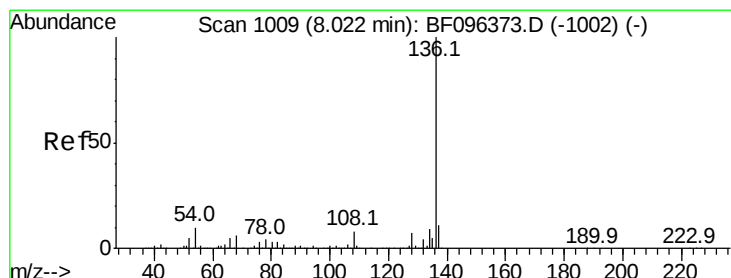
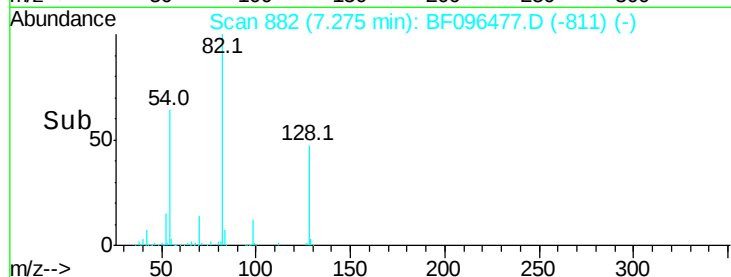
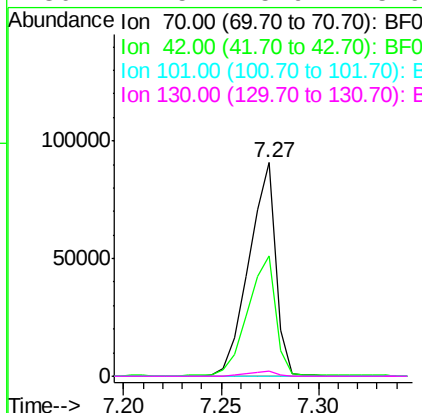
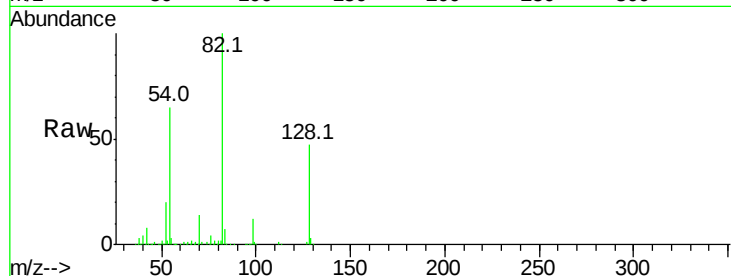




#19
 n-Nitroso-di-n-propylamine
 Concen: 13.64 ng
 RT: 7.27 min Scan# 882
 Delta R.T. 0.12 min
 Lab File: BF096477.D
 Acq: 5 Jul 2017 12:08

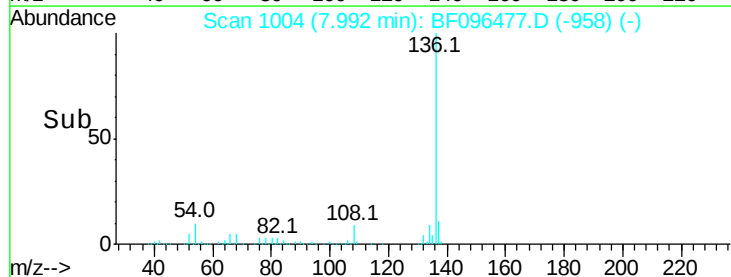
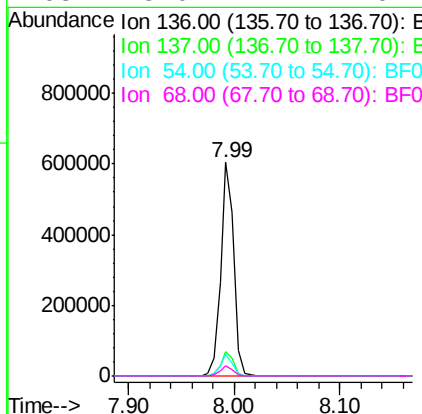
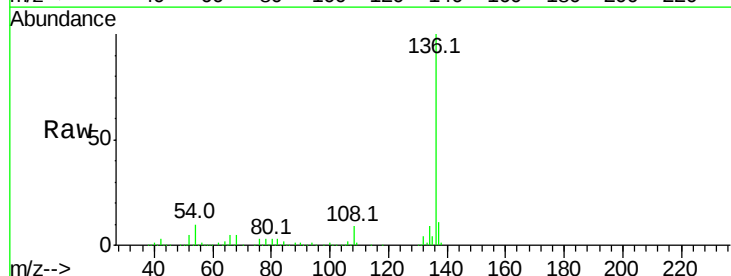
Instrument :
 BNA_F
 ClientSampleId :

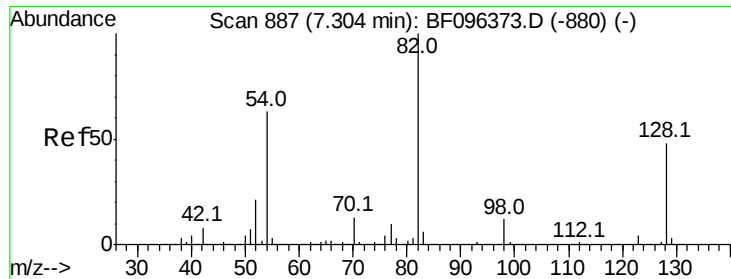
Tot Ion: 70 Resp: 86409
 Ion Ratio Lower Upper
 70 100
 42 56.6 47.2 70.8
 101 0.0 7.2 10.8#
 130 2.5 15.9 23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. -0.03 min
 Lab File: BF096477.D
 Acq: 5 Jul 2017 12:08

Tgt Ion:136 Resp: 524551
 Ion Ratio Lower Upper
 136 100
 137 11.4 8.5 12.7
 54 10.4 4.9 7.3#
 68 5.0 4.1 6.1

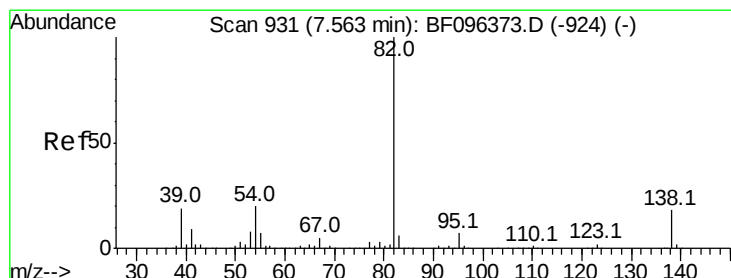
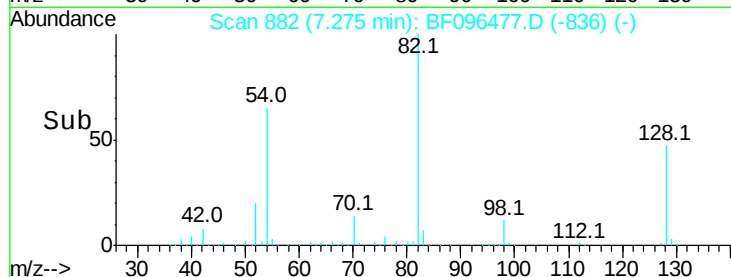
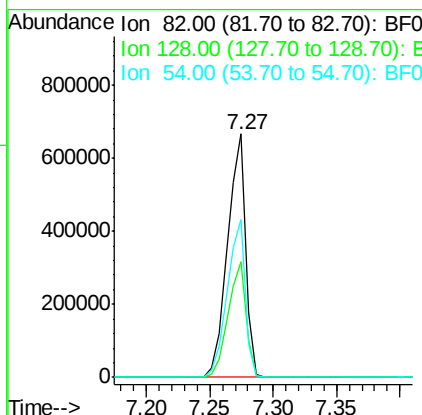
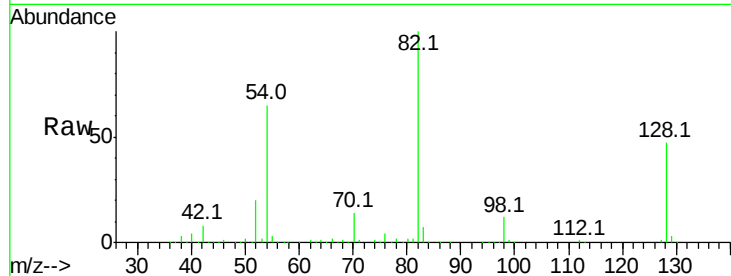




#23
Nitrobenzene-d5
Concen: 74.90 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.03 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

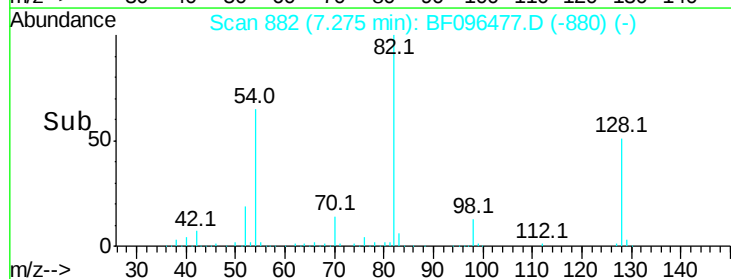
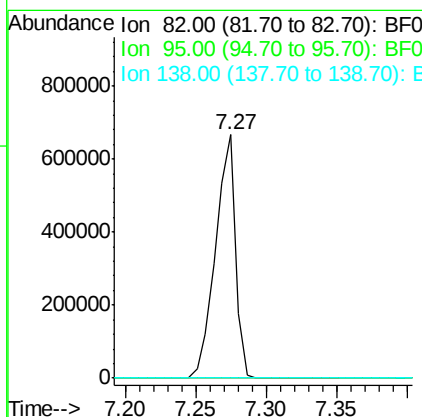
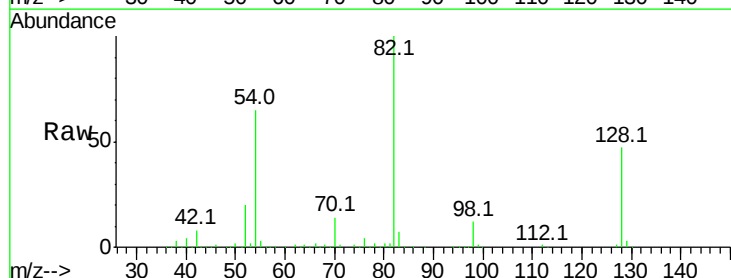
Instrument :
BNA_F
ClientSampled :

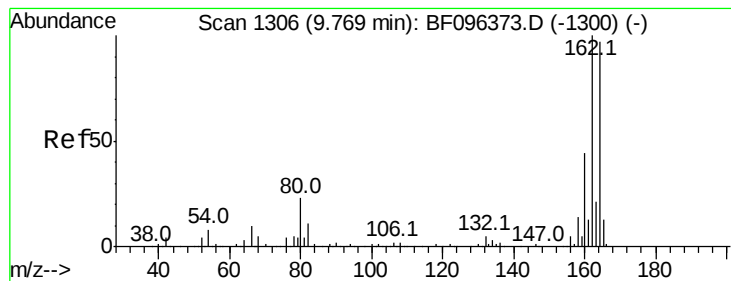
Tot Ion: 82 Resp: 653786
Ion Ratio Lower Upper
82 100
128 47.5 34.0 51.0
54 64.9 42.2 63.2#



#25
Isophorone
Concen: 38.59 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.29 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

Tgt Ion: 82 Resp: 653064
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# 1302

Delta R.T. -0.02 min

Lab File: BF096477.D

Acq: 5 Jul 2017 12:08

Instrument :

BNA_F

ClientSampleId :

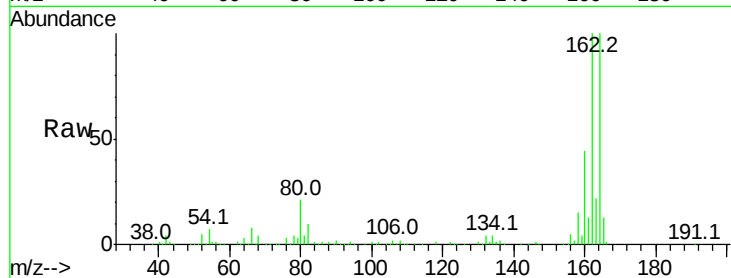
Tot Ion:164 Resp: 223814

Ion Ratio Lower Upper

164 100

162 100.2 82.6 123.8

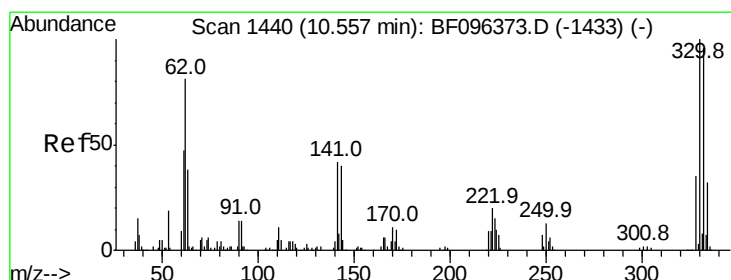
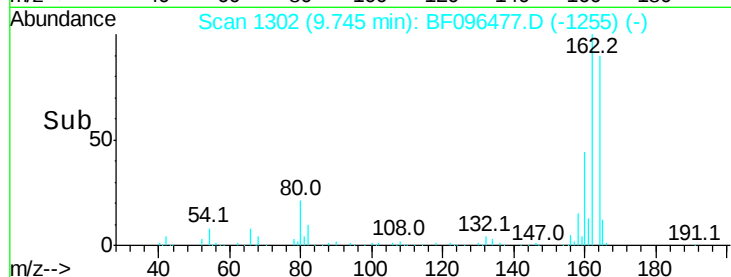
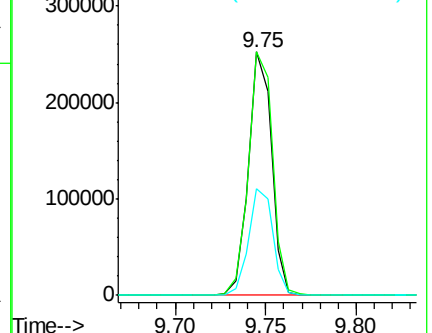
160 43.8 36.2 54.2



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: 100.04 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF096477.D

Acq: 5 Jul 2017 12:08

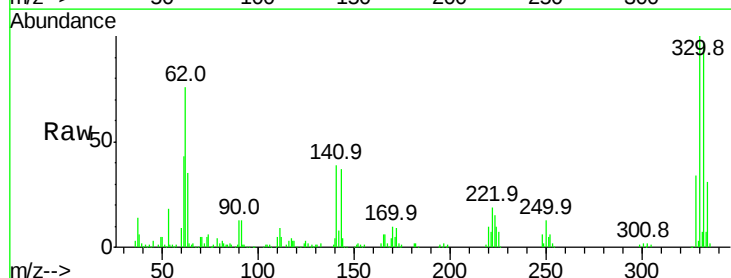
Tgt Ion:330 Resp: 174903

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

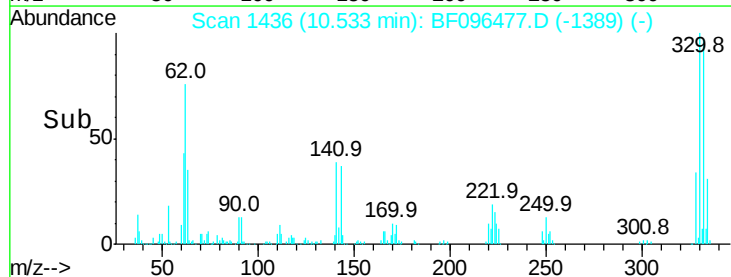
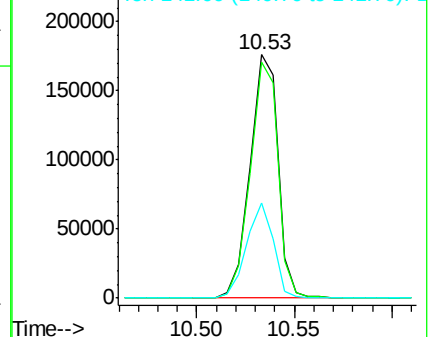
141 37.7 31.4 47.2

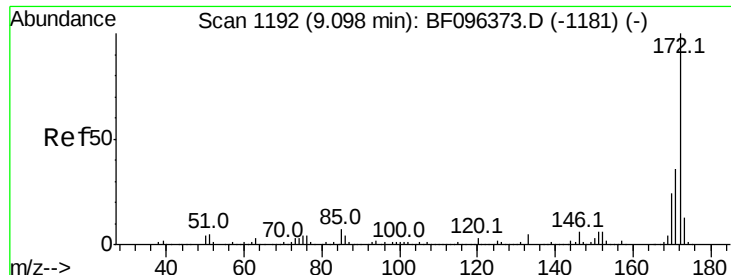


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

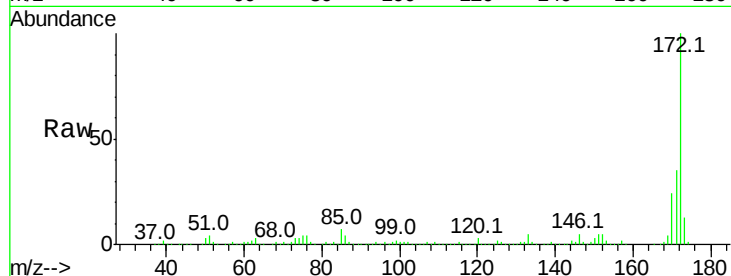




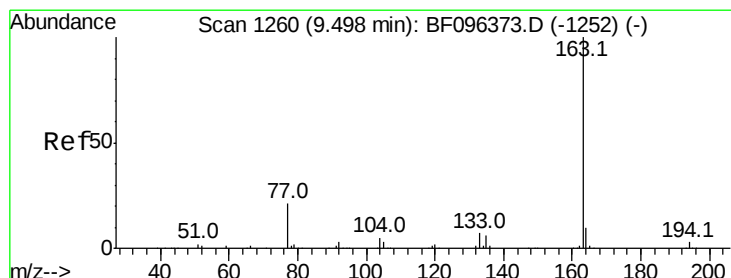
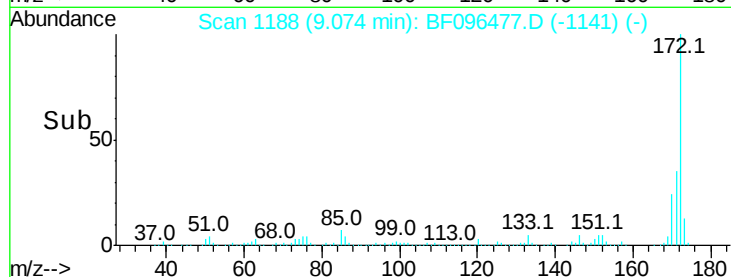
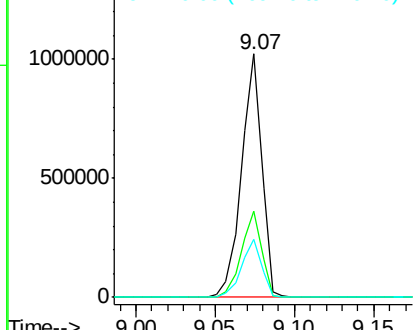
#44
2-Fluorobiphenyl
Concen: 69.24 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 906332
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 24.0 19.8 29.8

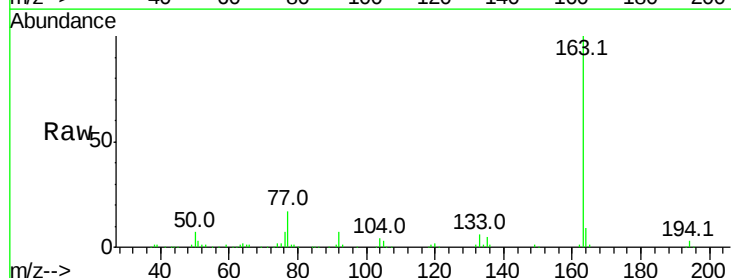


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

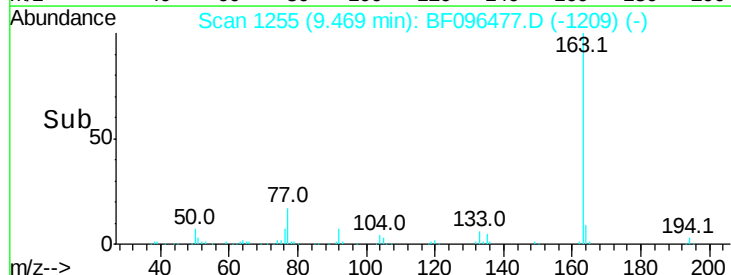
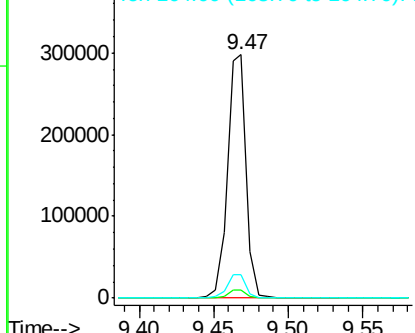


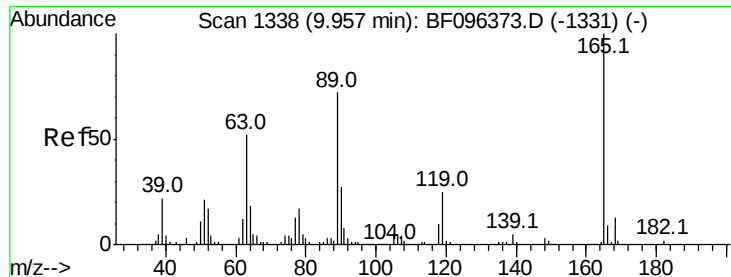
#49
Dimethylphthalate
Concen: 15.79 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.03 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

Tgt Ion:163 Resp: 263761
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.4 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

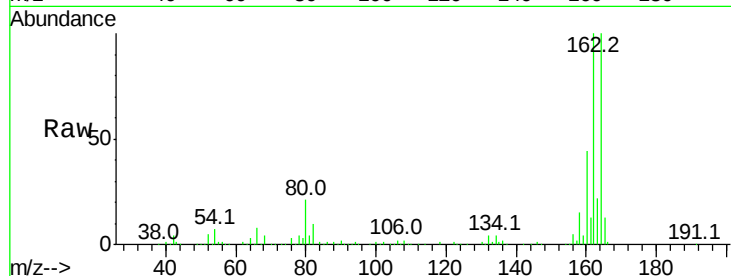




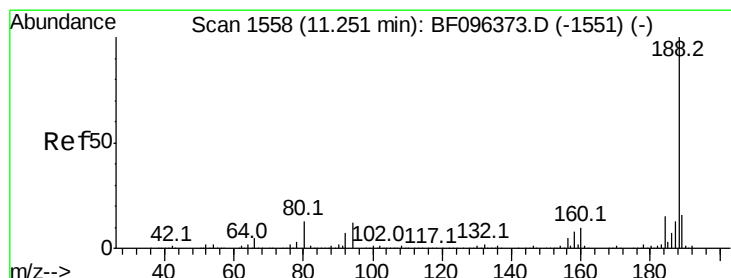
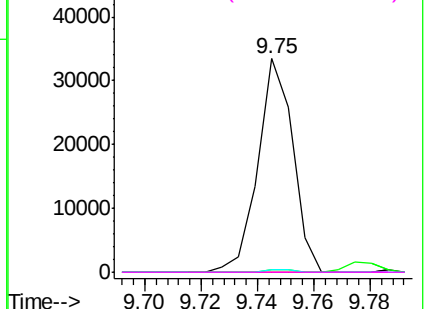
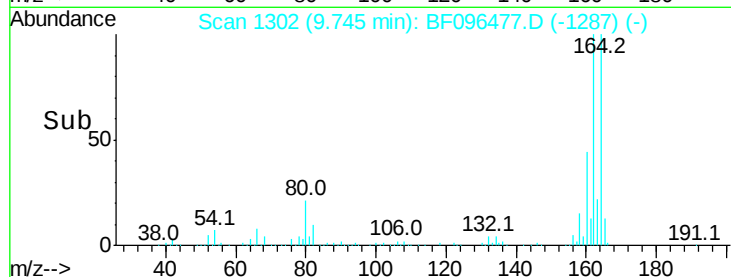
#56
 2,4-Dinitrotoluene
 Concen: 6.13 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF096477.D
 Acq: 5 Jul 2017 12:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 28686
 Ion Ratio Lower Upper
 165 100
 63 1.2 25.4 38.0#
 89 1.1 46.4 69.6#
 182 0.0 1.8 2.6#

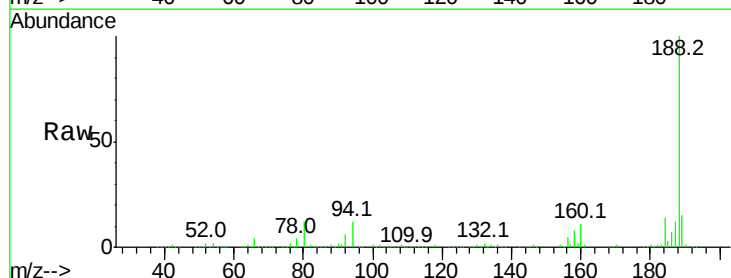


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

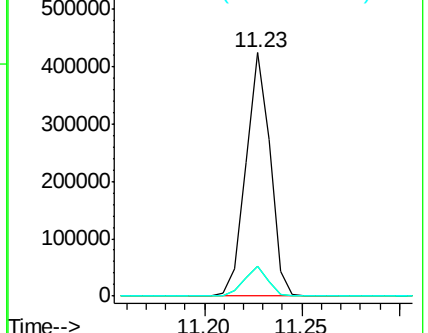
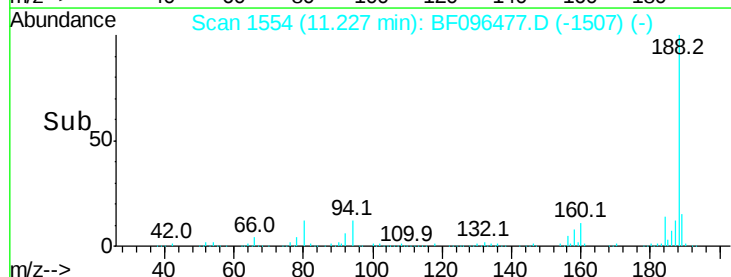


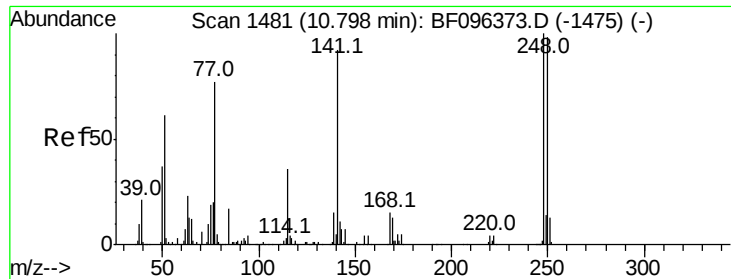
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF096477.D
 Acq: 5 Jul 2017 12:08

Tgt Ion:188 Resp: 364078
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.4 14.2
 80 12.0 10.2 15.2



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

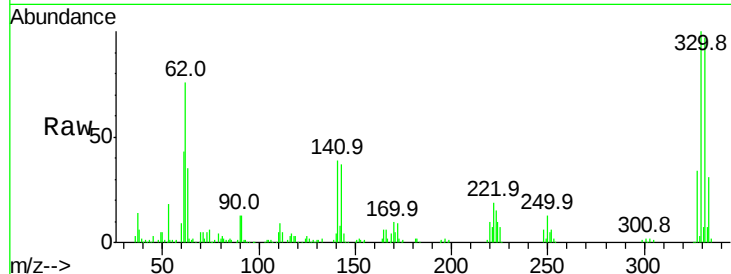




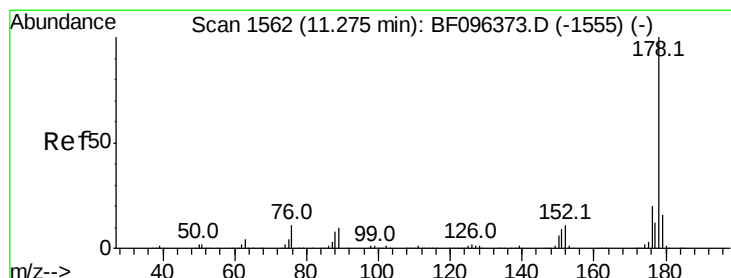
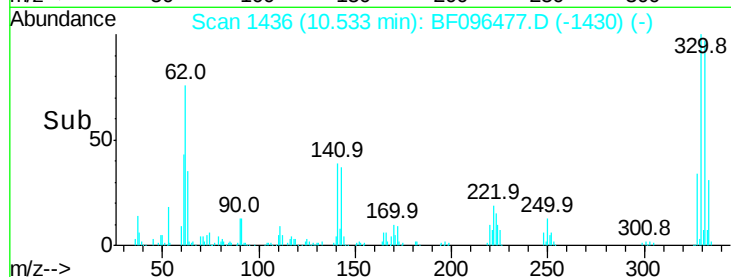
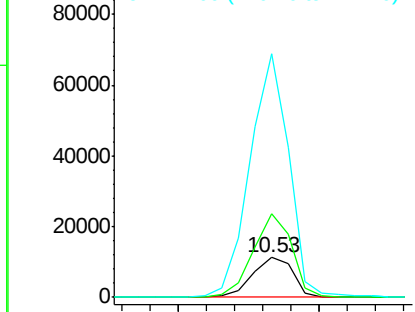
#66
4-Bromophenyl-phenylether
Concen: 3.17 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.26 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11237
Ion Ratio Lower Upper
248 100
250 209.8 76.8 115.2#
141 608.2 68.6 103.0#

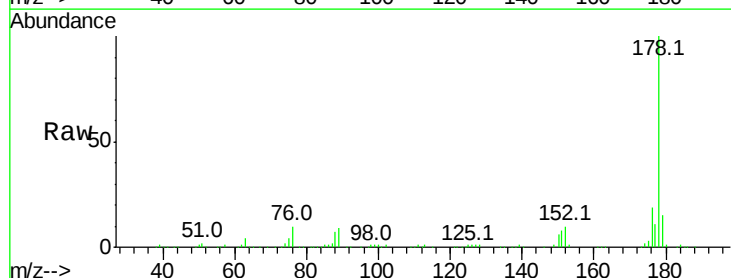


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

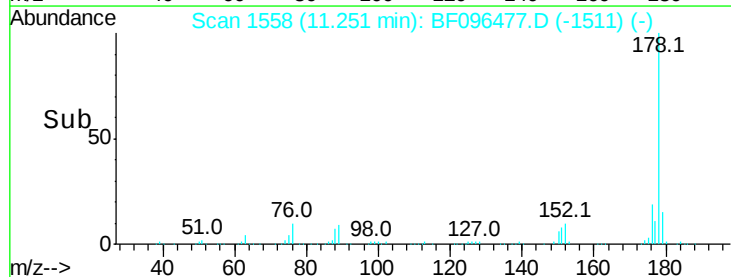
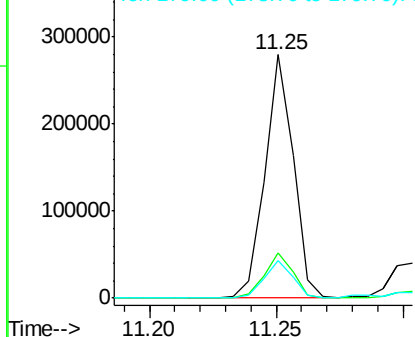


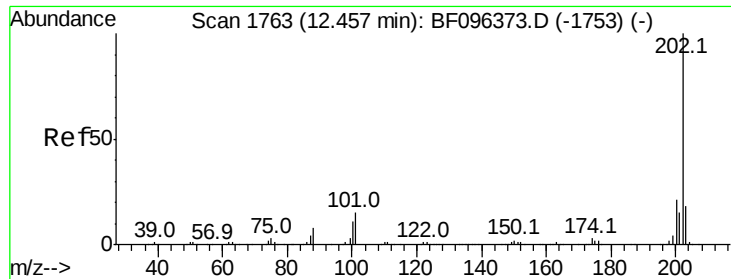
#70
Phenanthrene
Concen: 11.15 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

Tgt Ion:178 Resp: 219492
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.3 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: 11.68 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BF096477.D

Acq: 5 Jul 2017 12:08

Instrument :

BNA_F

ClientSampleId :

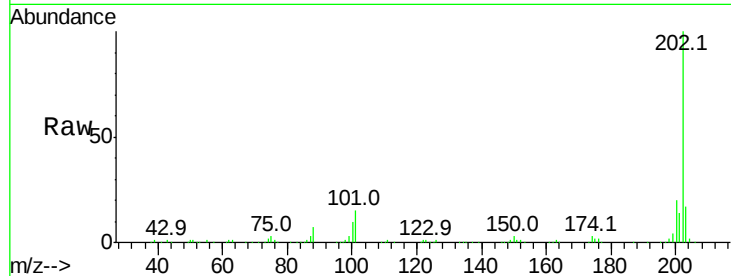
Tot Ion:202 Resp: 225351

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.2

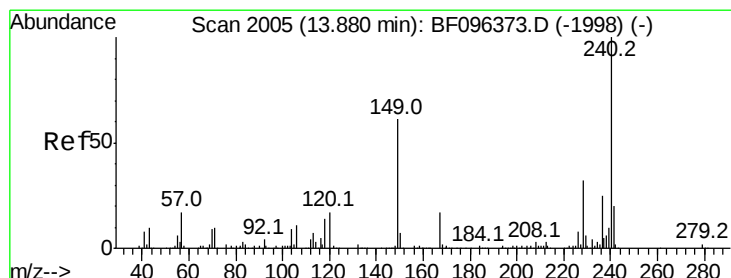
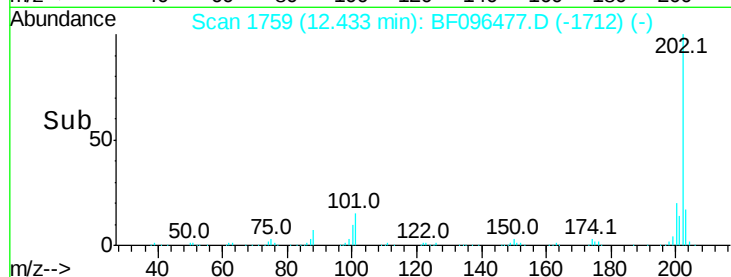
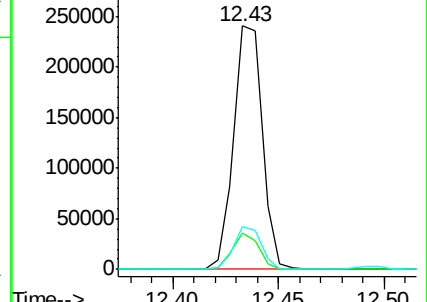
203 17.4 0.0 38.1



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. -0.02 min

Lab File: BF096477.D

Acq: 5 Jul 2017 12:08

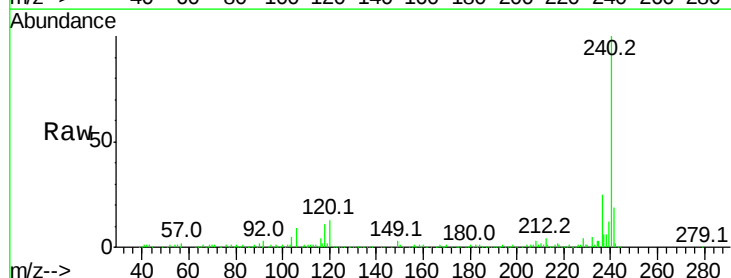
Tgt Ion:240 Resp: 237756

Ion Ratio Lower Upper

240 100

120 12.5 5.8 8.8#

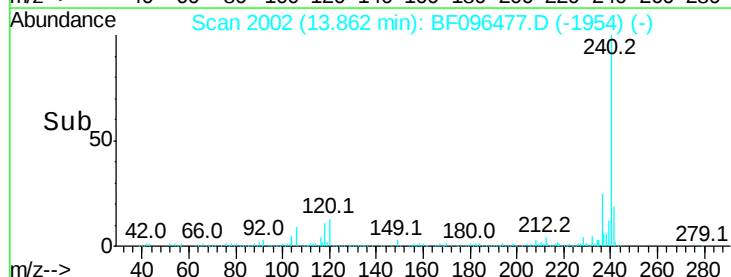
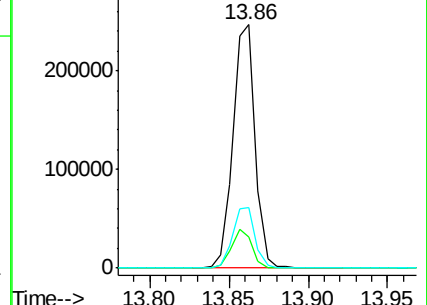
236 25.0 20.5 30.7

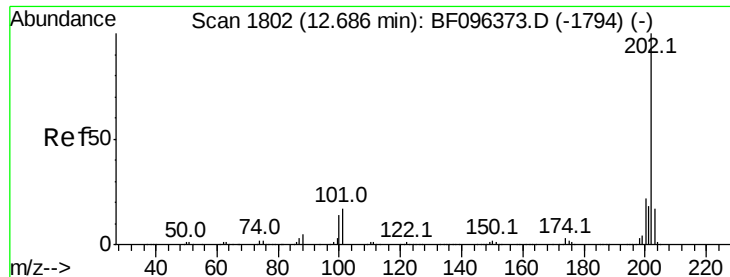


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

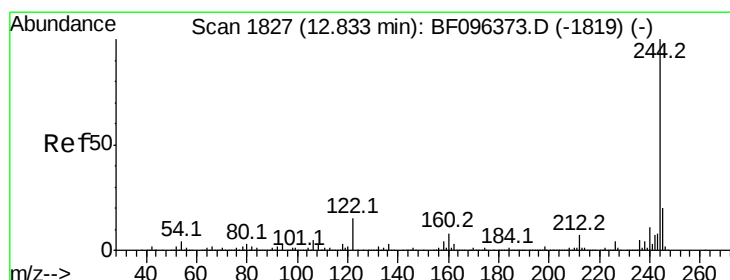
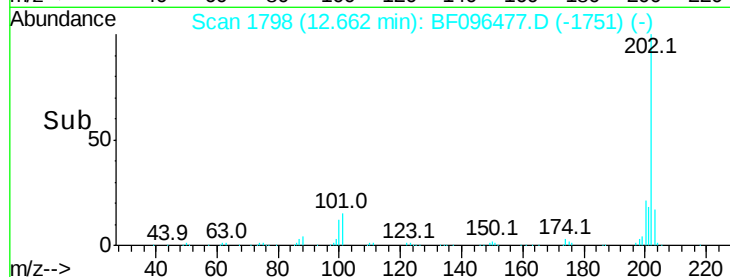
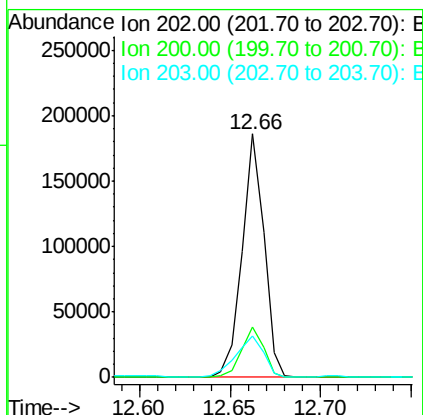
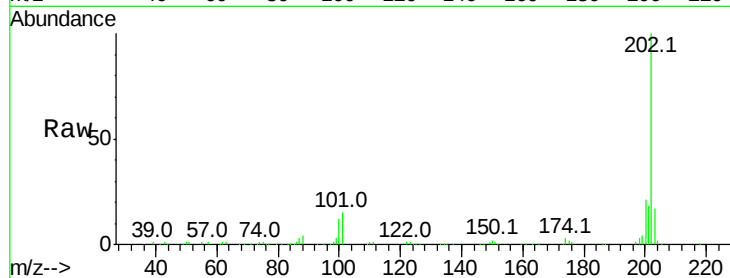




#77
Pvrene
Concen: 8.26 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.02 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

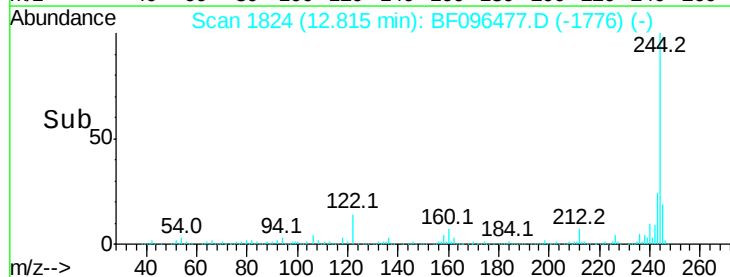
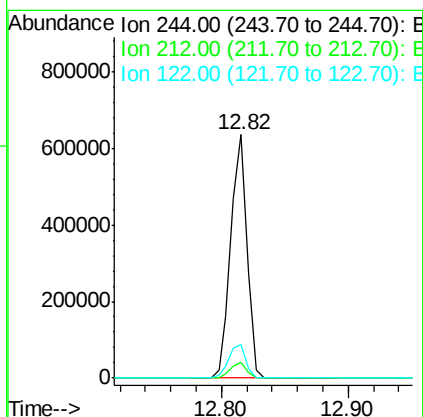
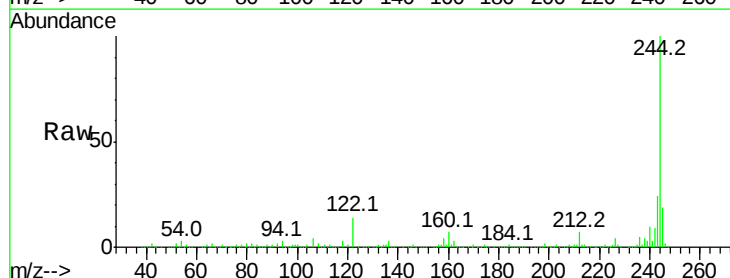
Instrument :
BNA_F
ClientSampleId :

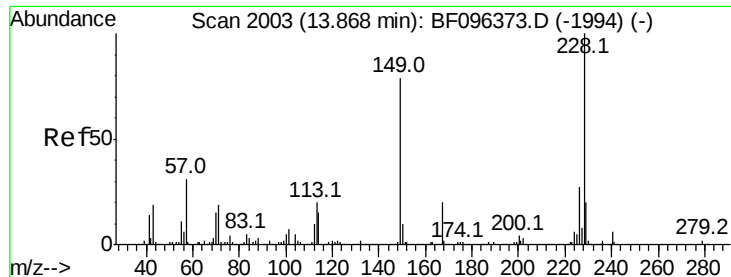
Tot Ion:202 Resp: 157557
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 17.0 14.4 21.6



#78
Terphenyl-d14
Concen: 50.34 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

Tgt Ion:244 Resp: 560149
Ion Ratio Lower Upper
244 100
212 6.5 6.0 9.0
122 13.8 10.3 15.5

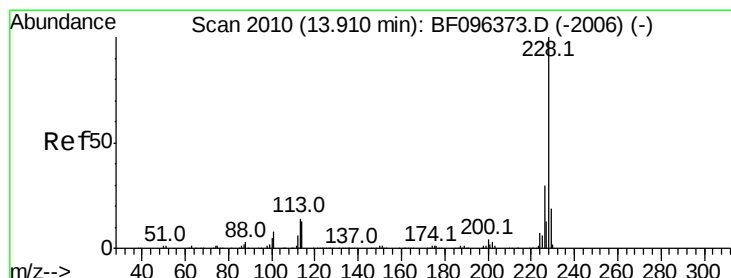
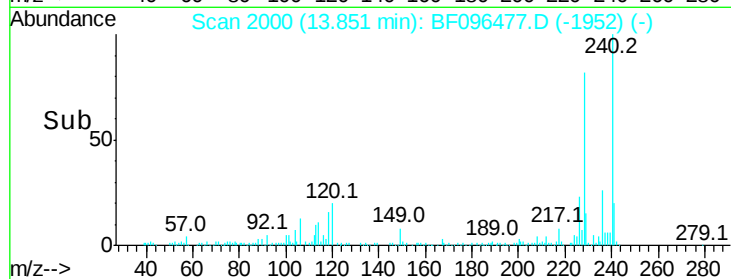
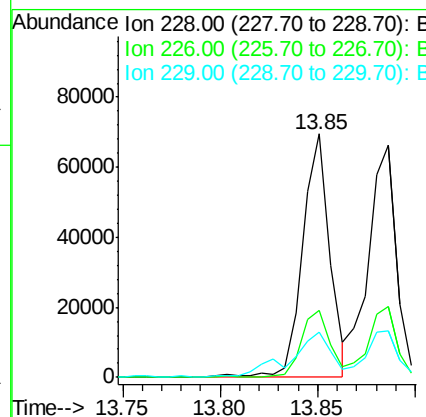
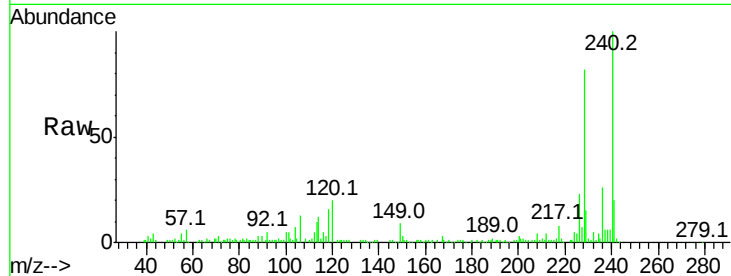




#80
Benzo(a)anthracene
Concen: 4.87 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

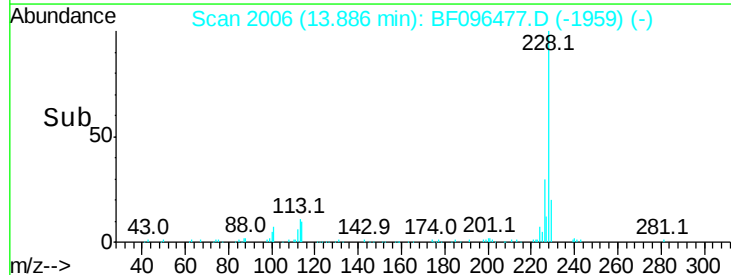
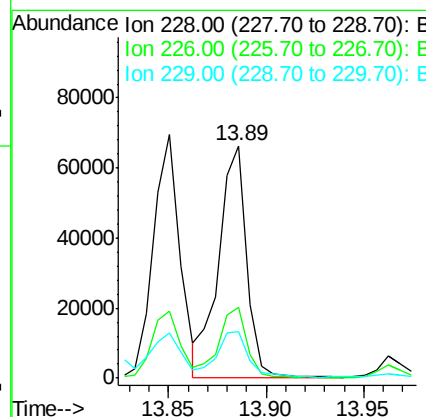
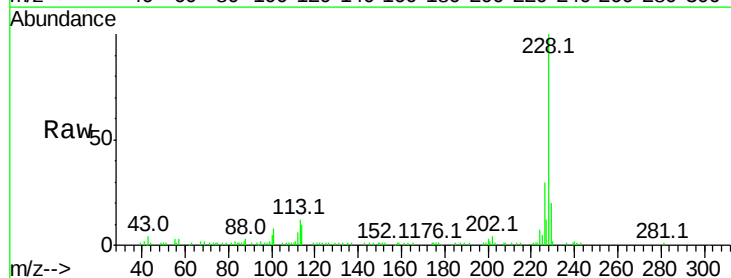
Instrument :
BNA_F
ClientSampleId :

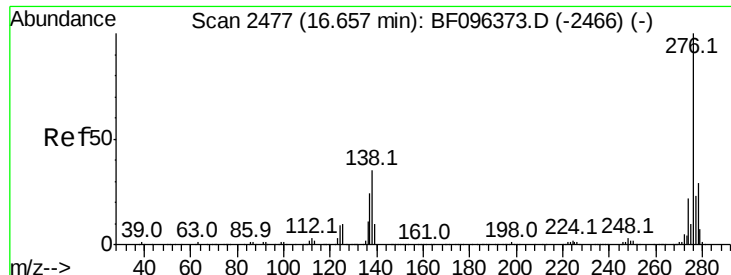
Tot Ion:228 Resp: 67022
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 18.8 16.3 24.5



#82
Chrysene
Concen: 4.64 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF096477.D
Acq: 5 Jul 2017 12:08

Tgt Ion:228 Resp: 66943
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 20.2 15.8 23.6

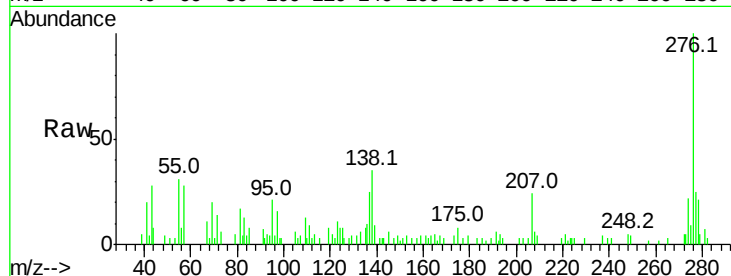




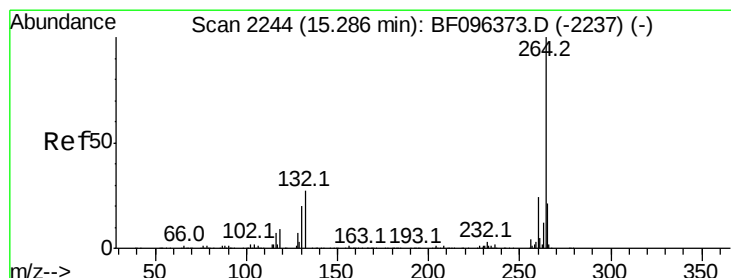
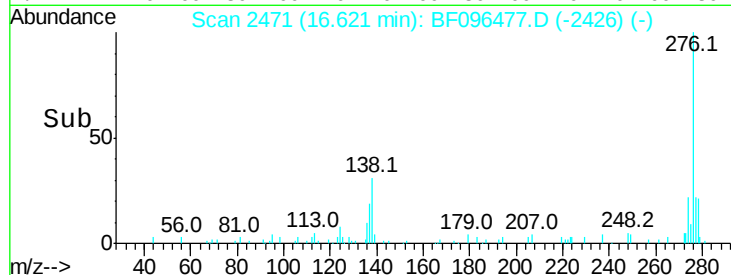
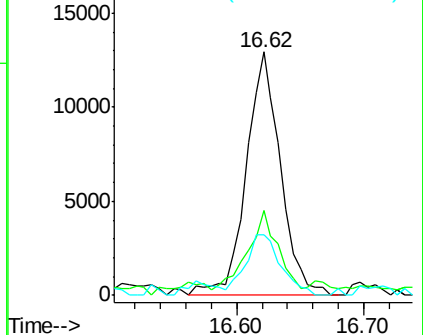
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.13 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. -0.04 min
 Lab File: BF096477.D
 Acq: 5 Jul 2017 12:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	27.8	41.6
277	25.7	20.2	30.4

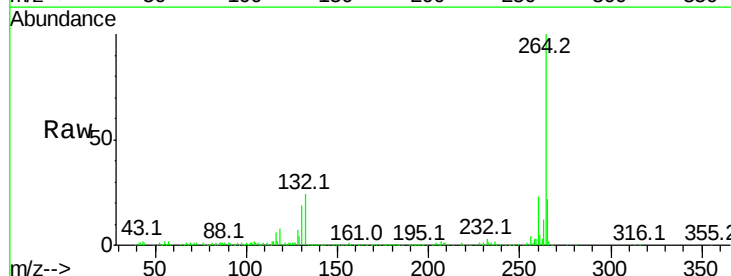


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

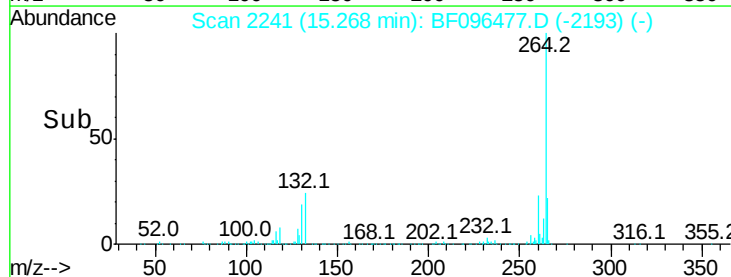
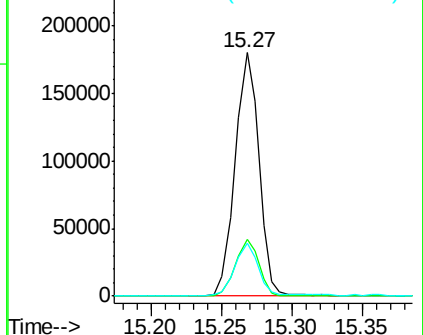


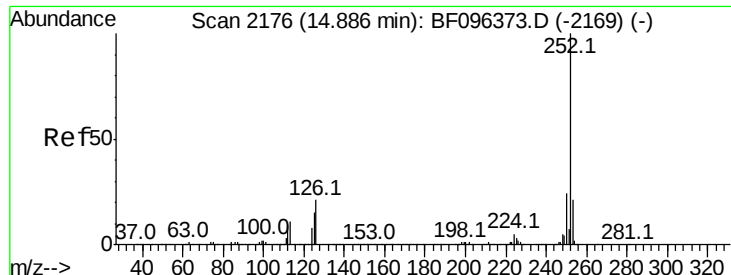
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BF096477.D
 Acq: 5 Jul 2017 12:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.7	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.71 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.02 min

Lab File: BF096477.D

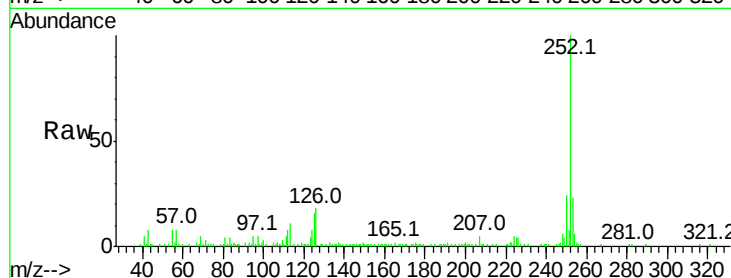
Acq: 5 Jul 2017 12:08

Instrument :

BNA_F

ClientSampleId :

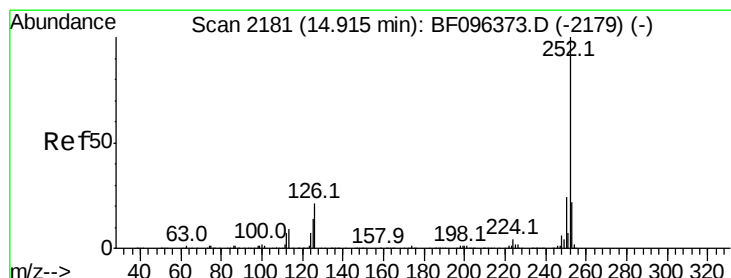
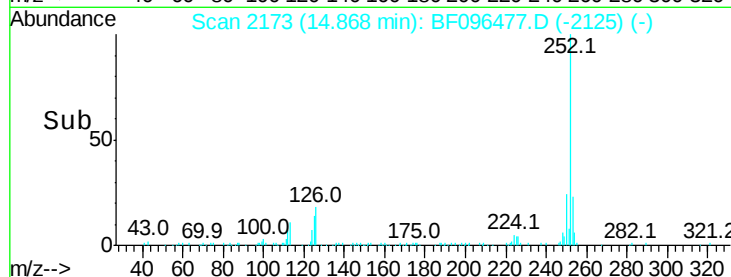
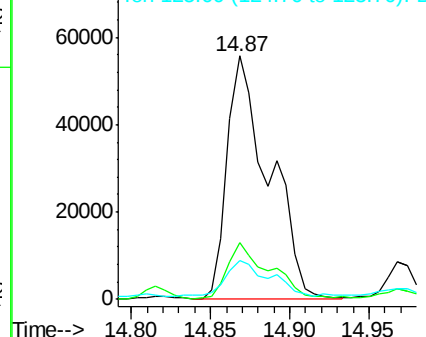
Tot Ion:252	Resp:	102800
Ion Ratio	Lower	Upper
252	100	
253	23.4	18.1 27.1
125	15.8	9.8 14.8#



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: 8.62 ng

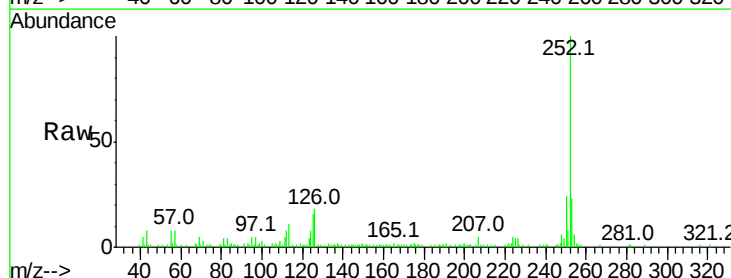
RT: 14.87 min Scan# 2173

Delta R.T. -0.05 min

Lab File: BF096477.D

Acq: 5 Jul 2017 12:08

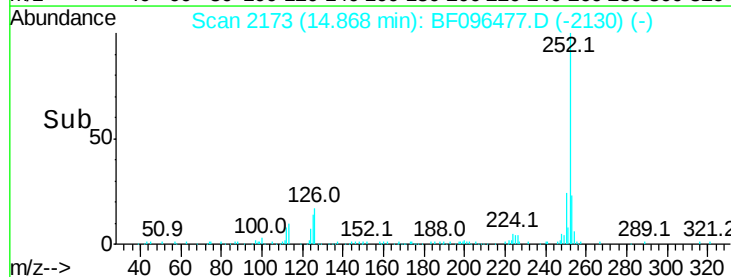
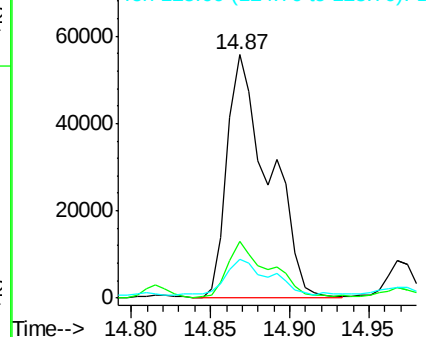
Tgt Ion:252	Resp:	102800
Ion Ratio	Lower	Upper
252	100	
253	23.4	18.4 27.6
125	15.8	13.1 19.7

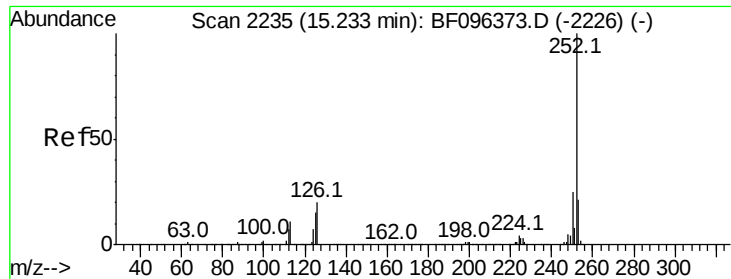


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.00 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.02 min

Lab File: BF096477.D

Acq: 5 Jul 2017 12:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 47681

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 16.1 11.0 16.4

