

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096507.D
 Acq On : 6 Jul 2017 2:52
 Operator : SJ/MA
 Sample : I3976-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 04:43:03 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

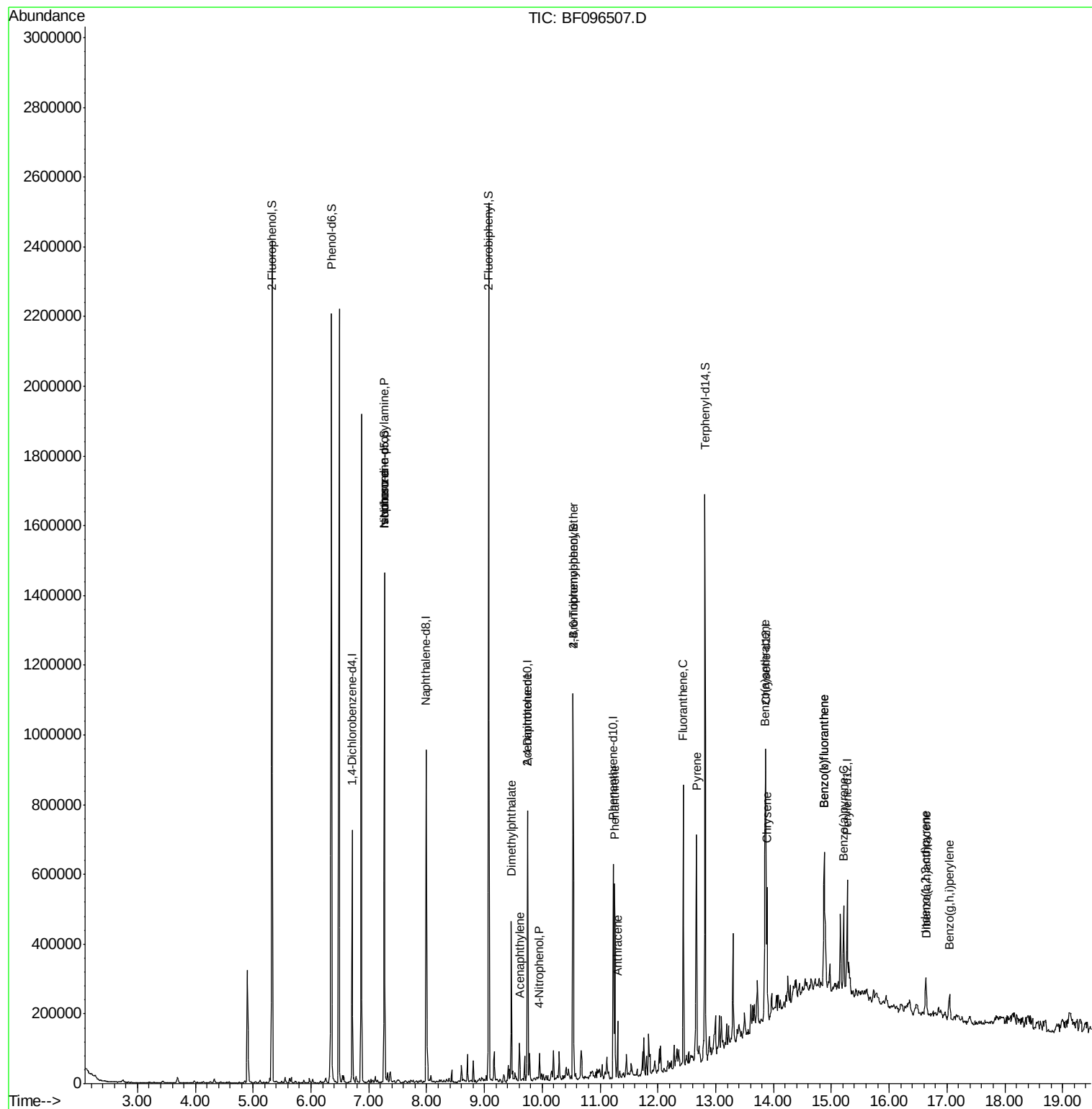
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	111085	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	413549	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	151406	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	210374	20.00	ng	0.00
75) Chrysene-d12	13.86	240	201671	20.00	ng	0.00
86) Perylene-d12	15.27	264	135526	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	647161	85.99	ng	0.00
7) Phenol-d6	6.35	99	765631	82.75	ng	0.00
23) Nitrobenzene-d5	7.27	82	422653	61.41	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	107366	90.78	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	730810	82.53	ng	0.00
78) Terphenyl-d14	12.82	244	463700	49.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	56203	10.20	ng	Qvalue # 89
25) Isophorone	7.27	82	420091	31.48	ng	# 67
48) Acenaphthylene	9.61	152	42598	2.78	ng	97
49) Dimethylphthalate	9.47	163	186860	16.53	ng	100
55) 4-Nitrophenol	9.95	139	7972	3.09	ng	# 31
56) 2,4-Dinitrotoluene	9.75	165	20833	6.58	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	6951	3.39	ng	# 1
70) Phenanthrene	11.25	178	194101	17.07	ng	99
71) Anthracene	11.30	178	57885	4.99	ng	98
74) Fluoranthene	12.44	202	290762	26.08	ng	98
77) Pyrene	12.67	202	276785	17.10	ng	98
80) Benzo(a)anthracene	13.85	228	151846	13.00	ng	94
82) Chrysene	13.89	228	148209	12.12	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	63573	6.59	ng	92
87) Benzo(b)fluoranthene	14.87	252	253324	29.83	ng	# 95
88) Benzo(k)fluoranthene	14.87	252	253324	33.35	ng	97
89) Benzo(a)pyrene	15.22	252	108509	14.31	ng	97
90) Dibenzo(a,h)anthracene	16.64	278	17937	3.01	ng	# 79
91) Benzo(a,h,i)perylene	17.04	276	57002	9.22	ng	95

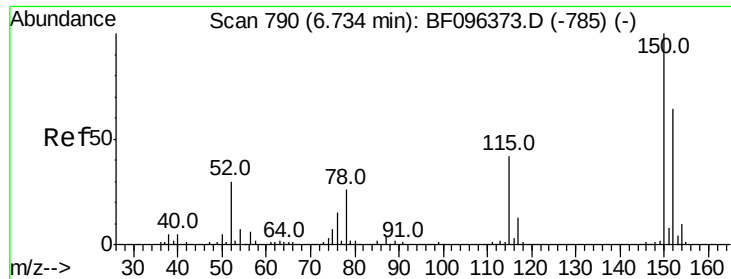
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

Instrument :

BNA_F

ClientSampleId :

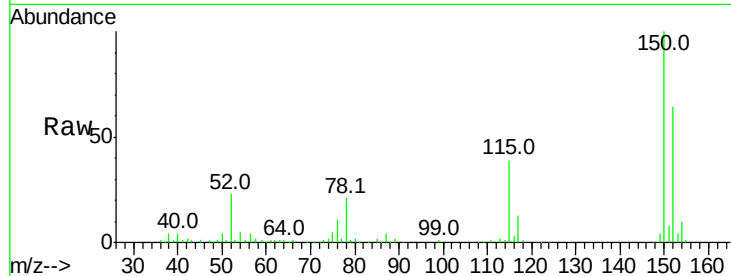
Tot Ion:152 Resp: 111085

Ion Ratio Lower Upper

152 100

150 157.3 126.2 189.2

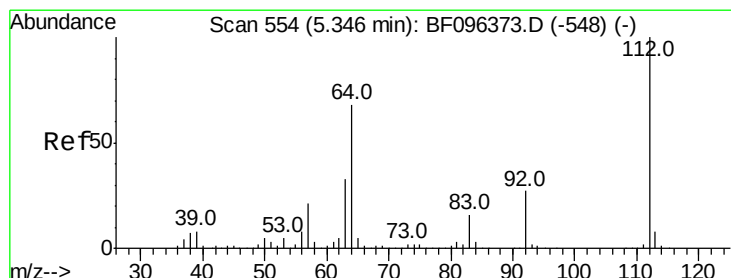
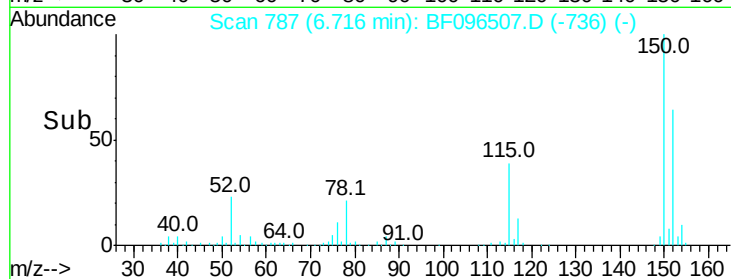
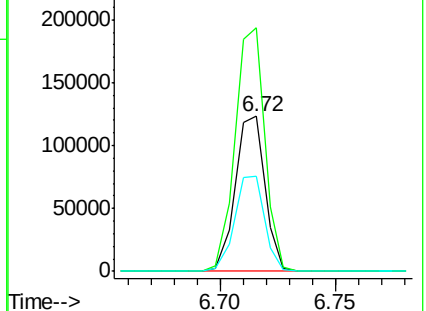
115 61.8 52.2 78.2



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: 85.99 ng

RT: 5.33 min Scan# 551

Delta R.T. 0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

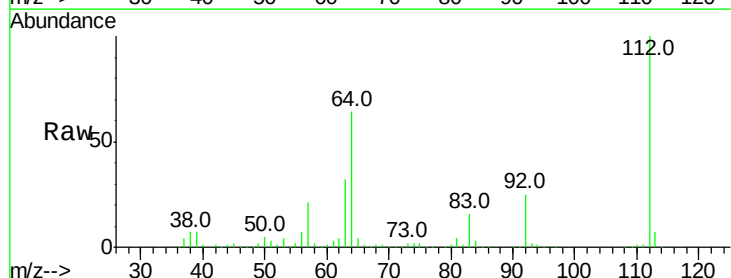
Tgt Ion:112 Resp: 647161

Ion Ratio Lower Upper

112 100

64 63.6 46.0 69.0

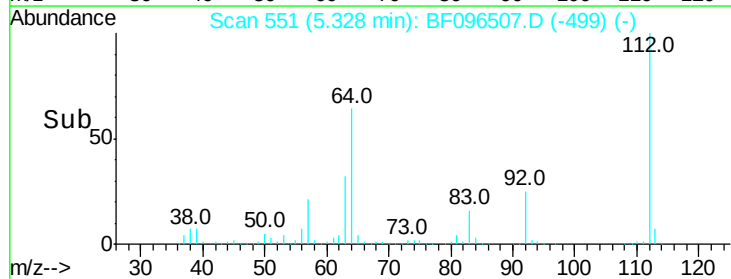
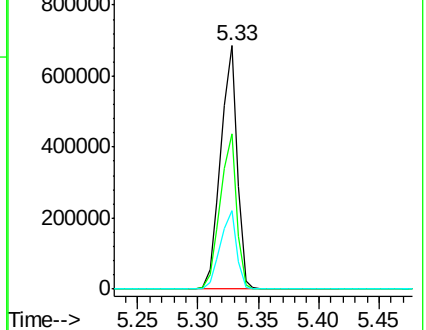
63 32.2 23.4 35.0

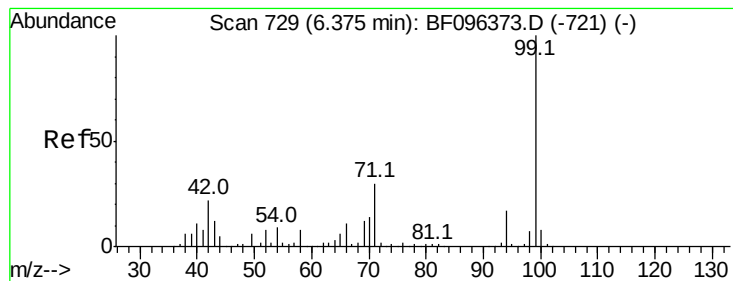


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.75 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

Instrument :

BNA_F

ClientSampled :

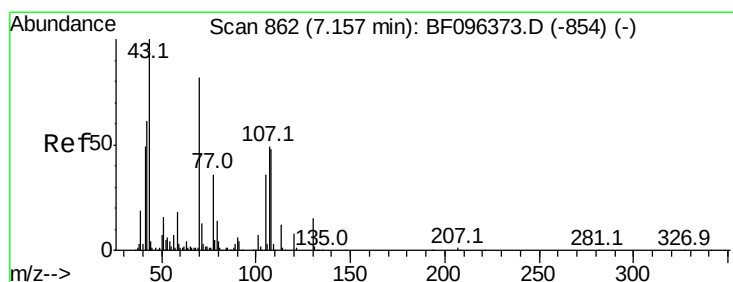
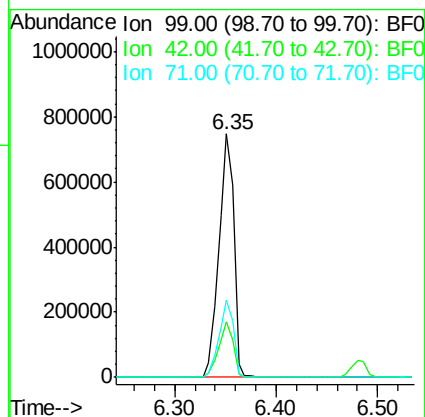
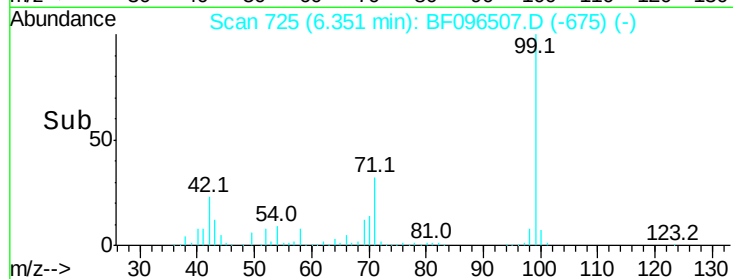
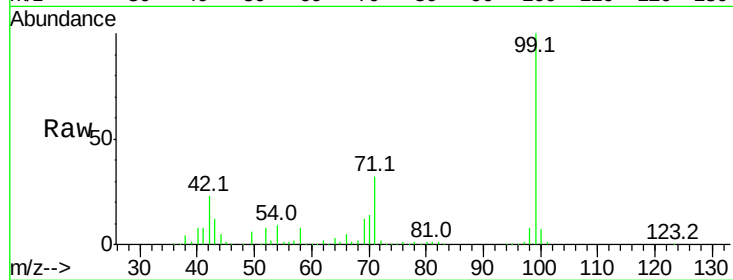
Tot Ion: 99 Resp: 765631

Ion Ratio Lower Upper

99 100

42 22.7 13.5 20.3#

71 31.8 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.20 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

Tgt Ion: 70 Resp: 56203

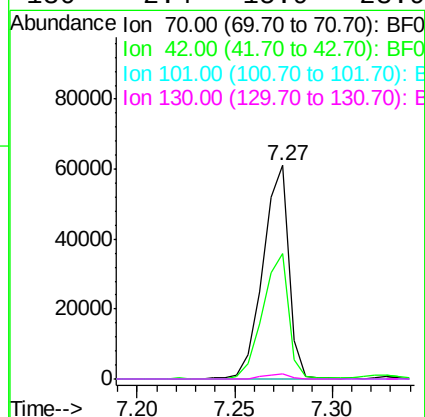
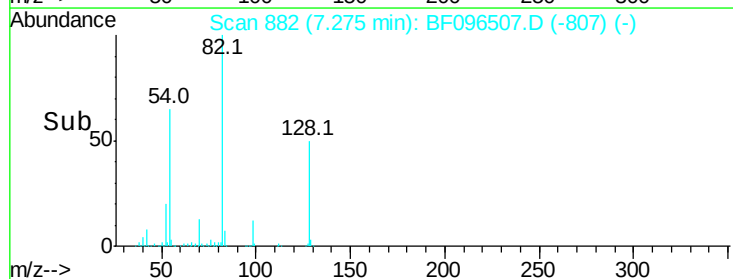
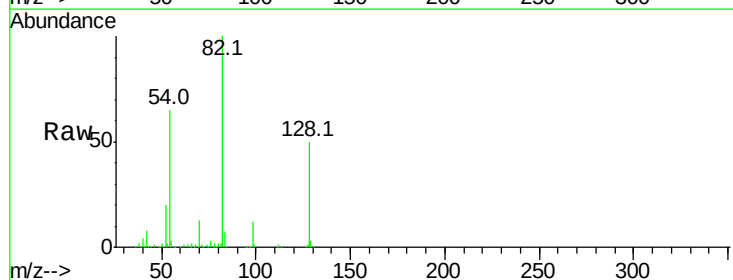
Ion Ratio Lower Upper

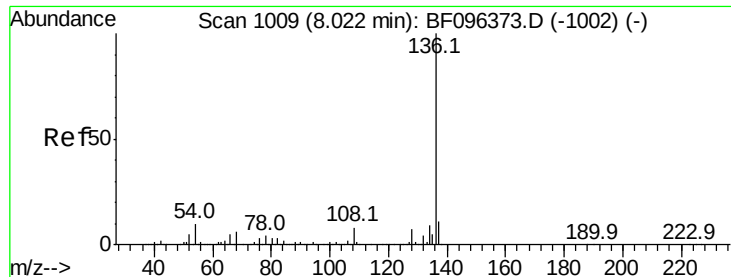
70 100

42 59.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

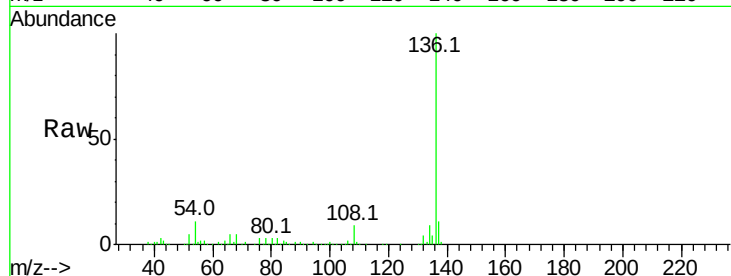




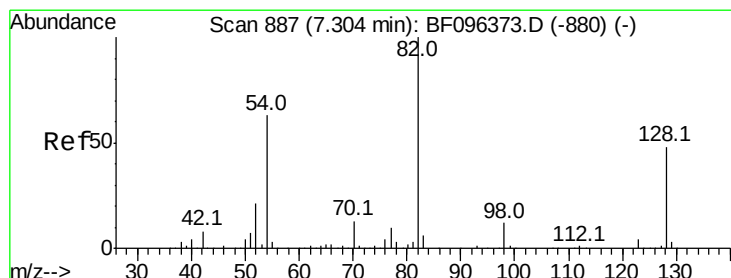
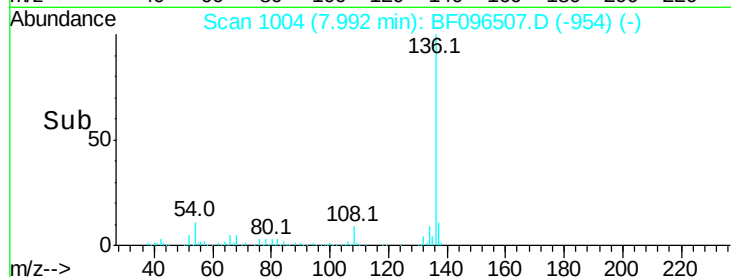
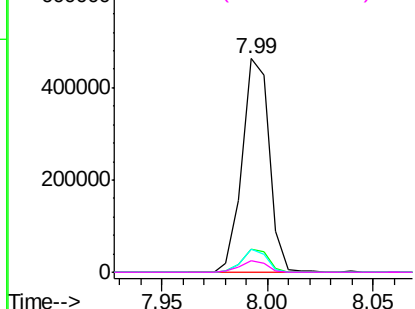
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	413549
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	10.7	4.9	7.3#
68	5.4	4.1	6.1

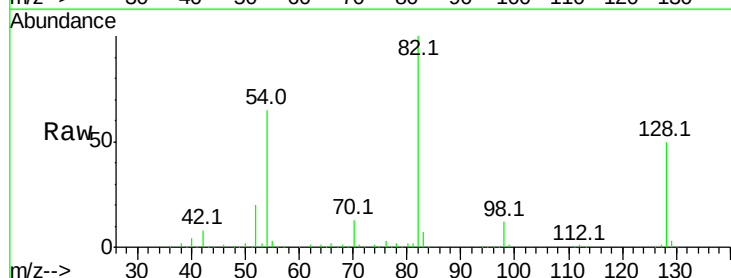


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

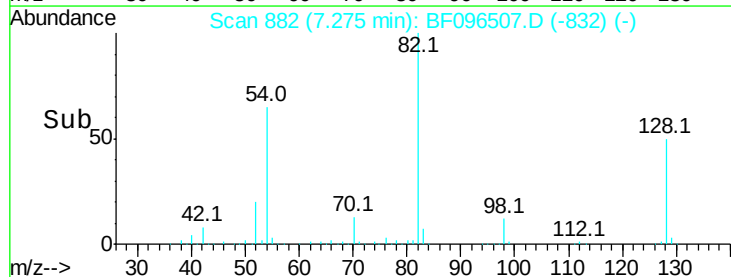
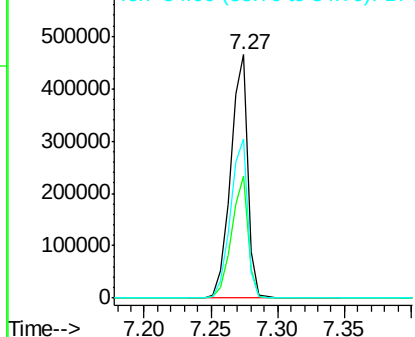


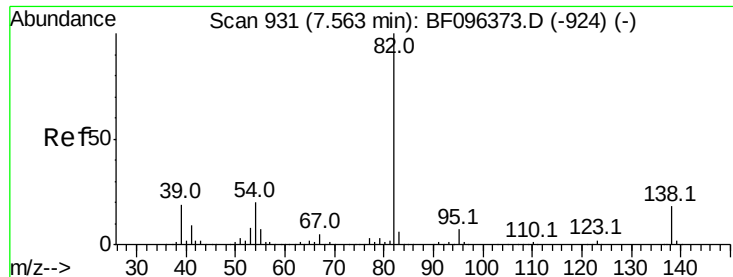
#23
Nitrobenzene-d5
Concen: 61.41 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Tgt Ion:	82	Resp:	422653
Ion	Ratio	Lower	Upper
82	100		
128	50.3	34.0	51.0
54	65.1	42.2	63.2#



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

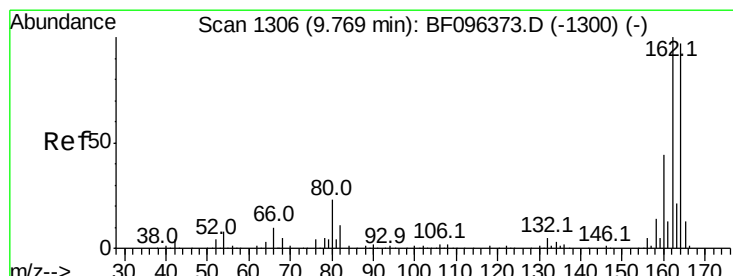
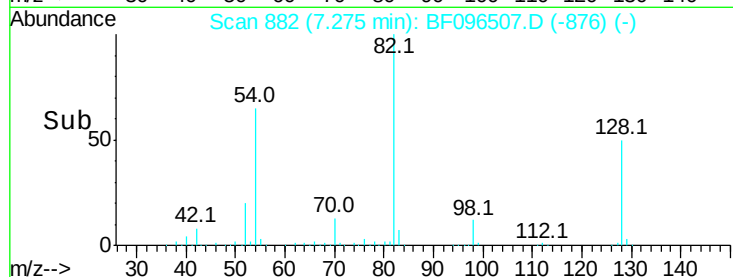
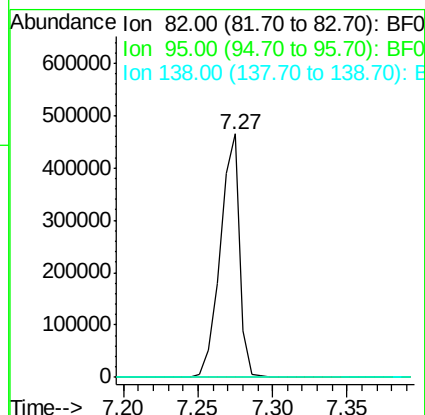
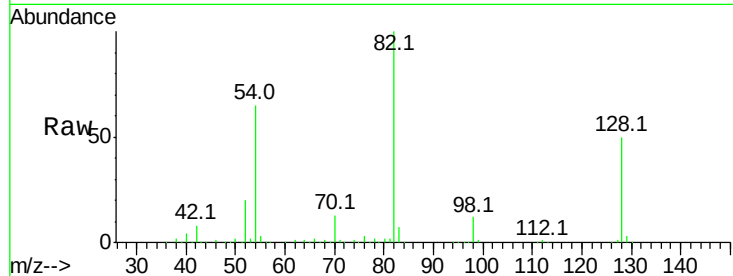




#25
Isophorone
Concen: 31.48 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

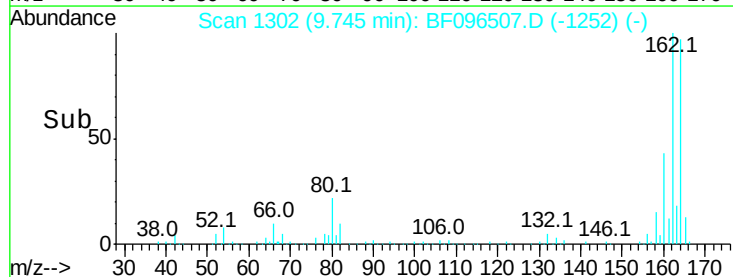
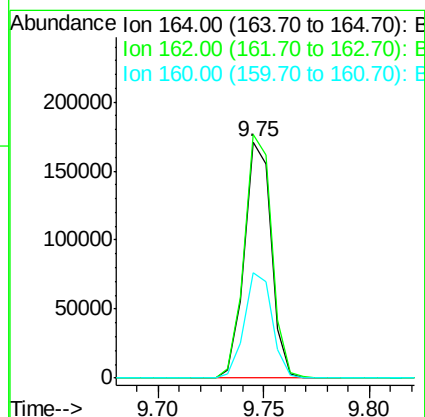
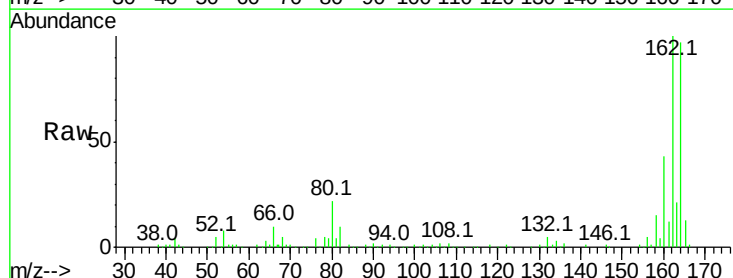
Instrument :
BNA_F
ClientSampleId :

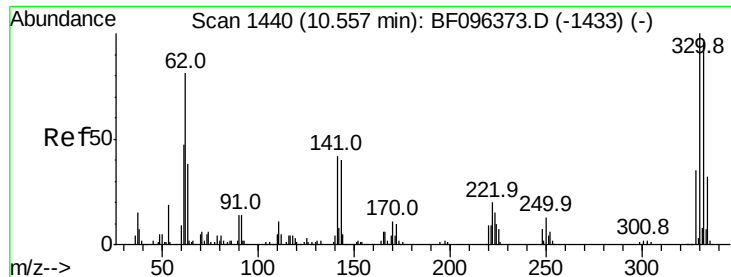
Tot Ion: 82 Resp: 420091
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Tgt Ion:164 Resp: 151406
Ion Ratio Lower Upper
164 100
162 103.0 82.6 123.8
160 44.8 36.2 54.2

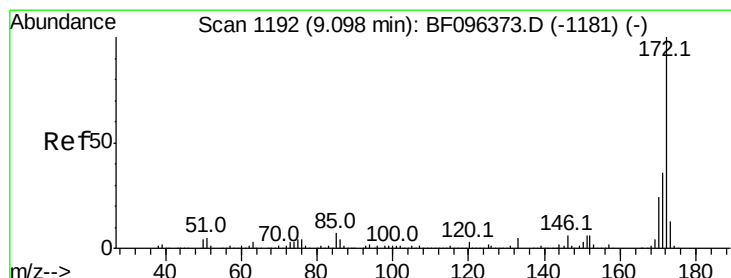
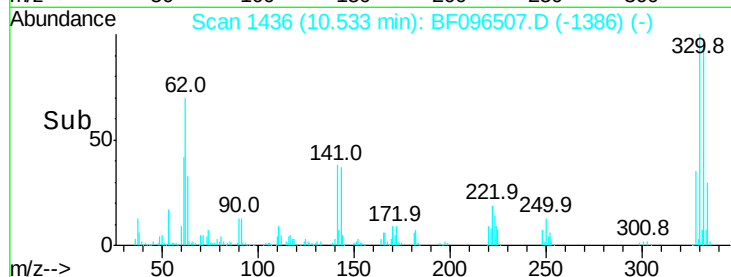
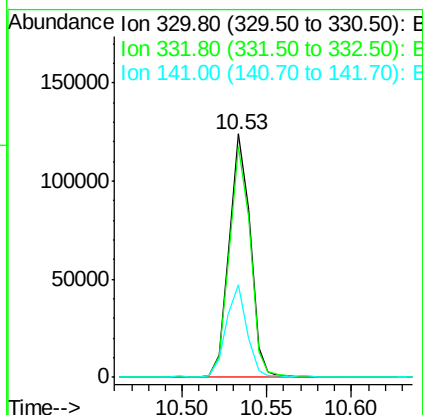
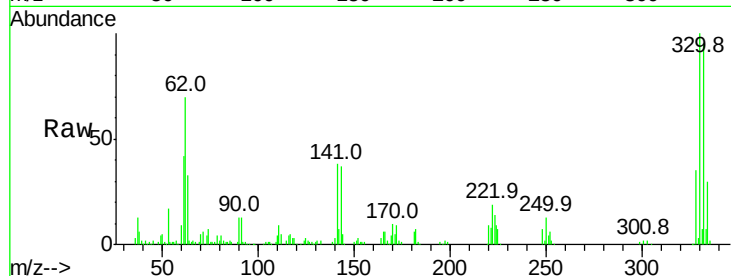




#41
 2,4,6-Tribromophenol
 Concen: 90.78 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096507.D
 Acq: 6 Jul 2017 2:52

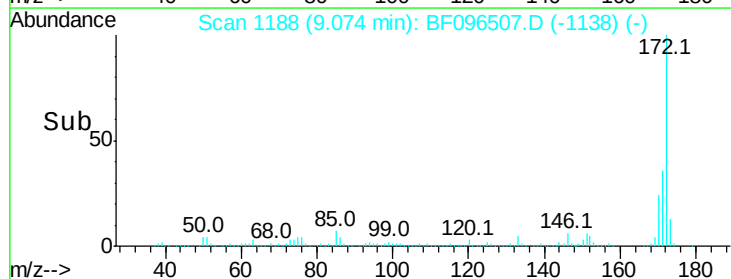
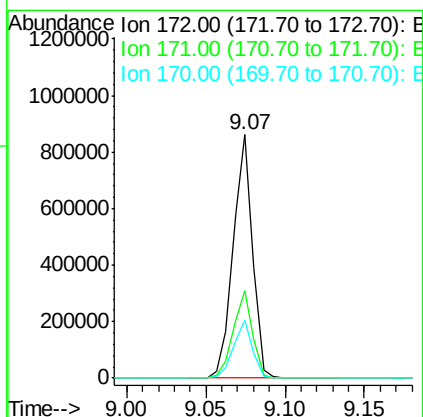
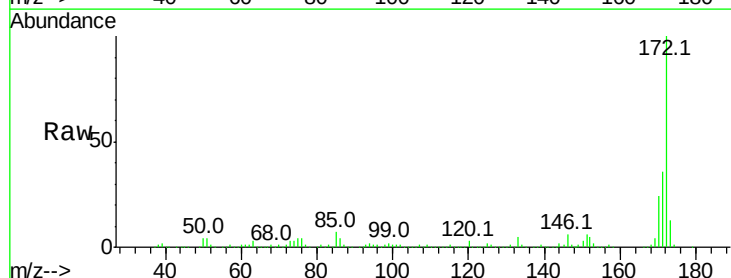
Instrument :
 BNA_F
 ClientSampleId :

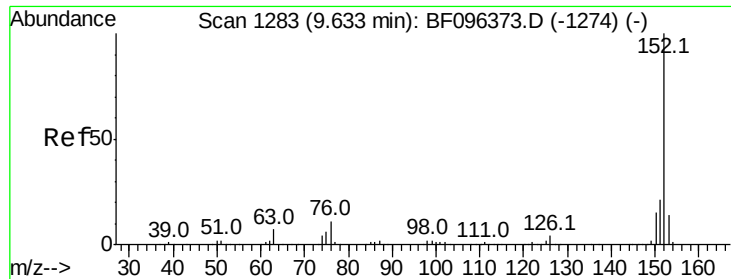
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	37.8	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 82.53 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096507.D
 Acq: 6 Jul 2017 2:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.8	19.8	29.8





#48

Acenaphthylene

Concen: 2.78 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

Instrument :

BNA_F

ClientSampleId :

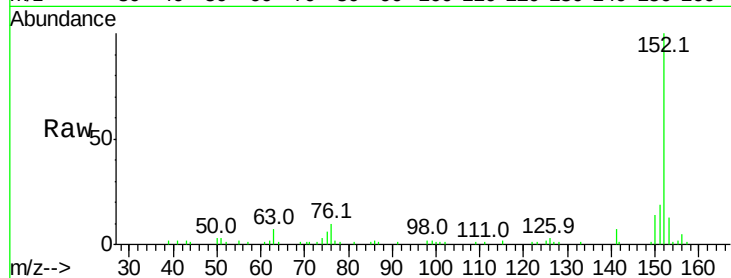
Tot Ion:152 Resp: 42598

Ion Ratio Lower Upper

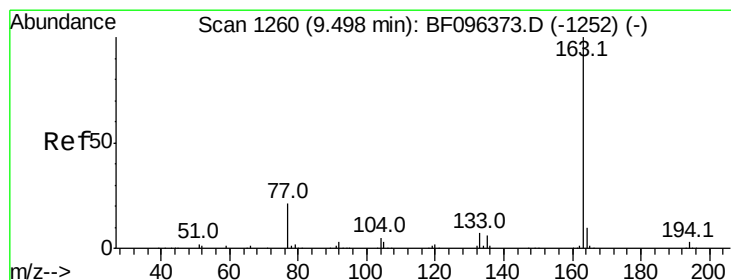
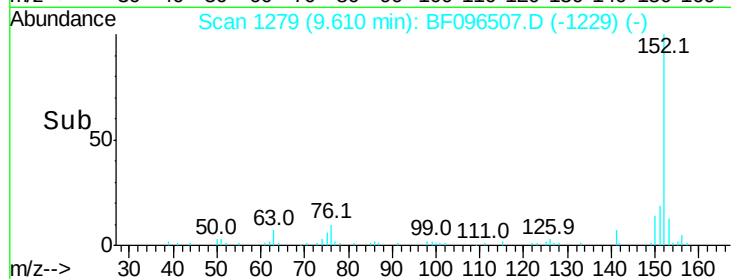
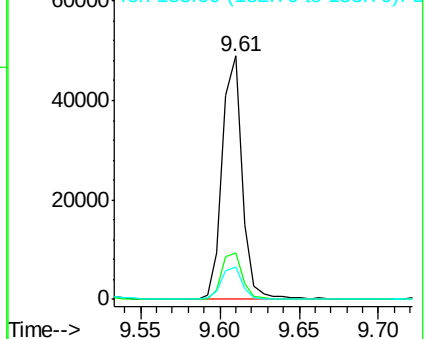
152 100

151 18.8 16.8 25.2

153 13.2 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 16.53 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

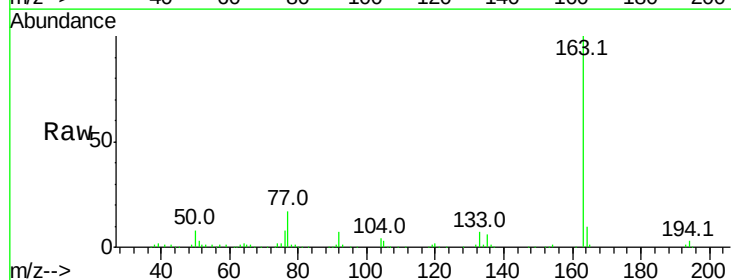
Tgt Ion:163 Resp: 186860

Ion Ratio Lower Upper

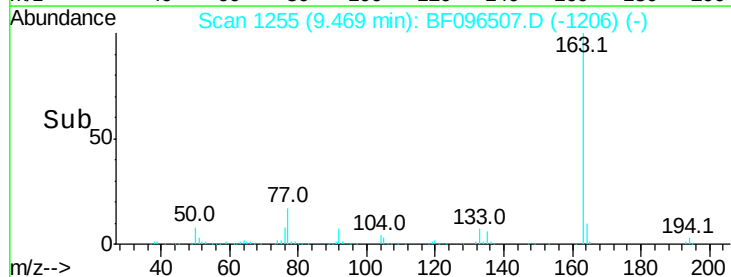
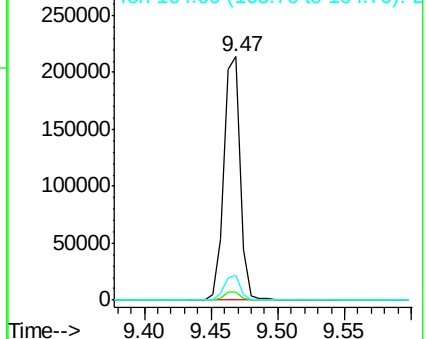
163 100

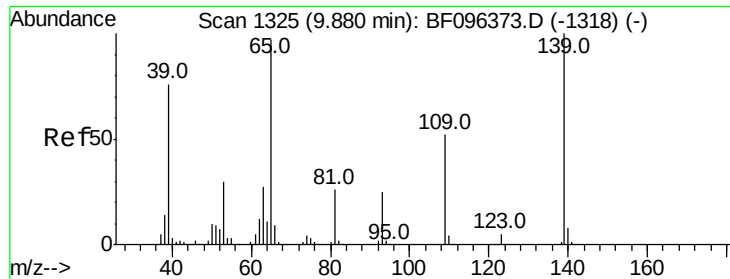
194 3.4 2.6 4.0

164 10.3 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

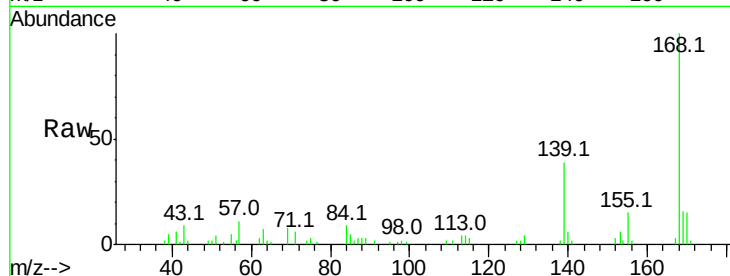




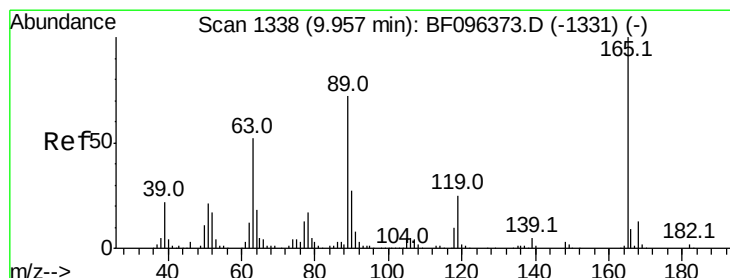
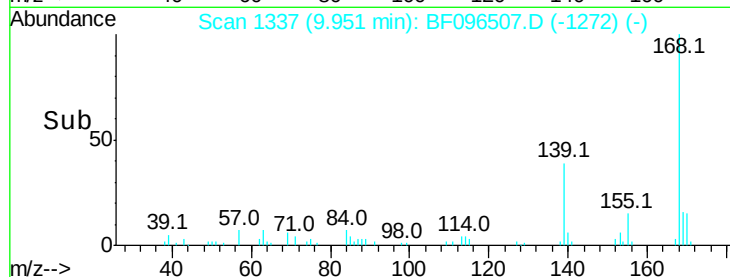
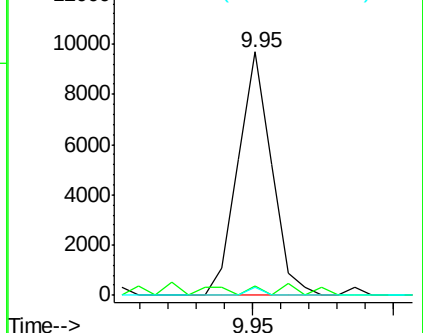
#55
4-Nitrophenol
Concen: 3.09 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.08 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 7972
Ion Ratio Lower Upper
139 100
109 4.0 34.1 74.1#
65 3.4 31.4 71.4#

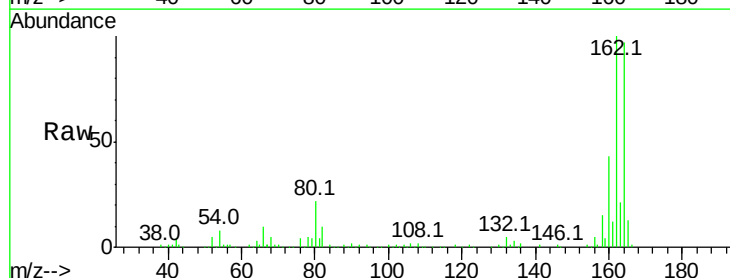


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

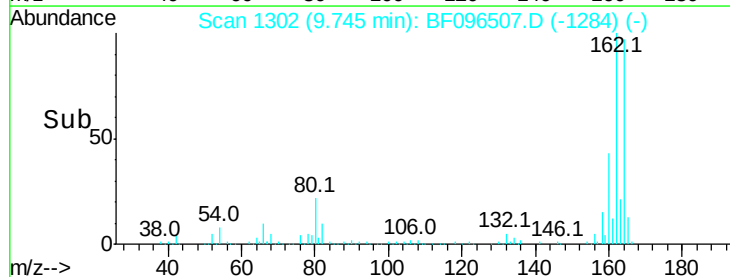
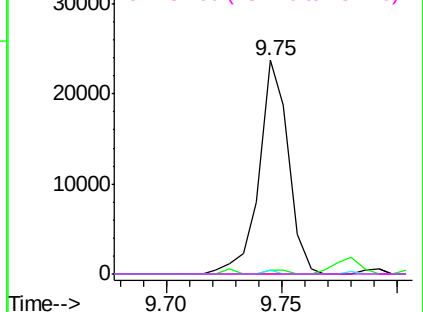


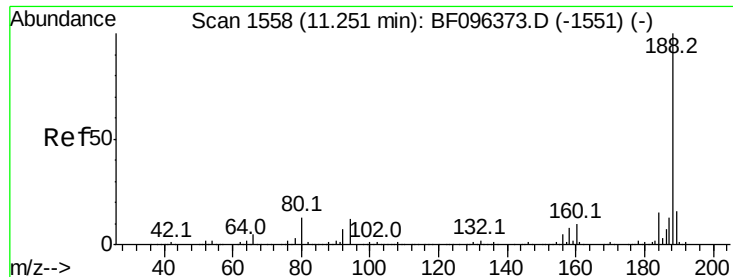
#56
2,4-Dinitrotoluene
Concen: 6.58 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.19 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Tgt Ion:165 Resp: 20833
Ion Ratio Lower Upper
165 100
63 1.9 25.4 38.0#
89 1.7 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

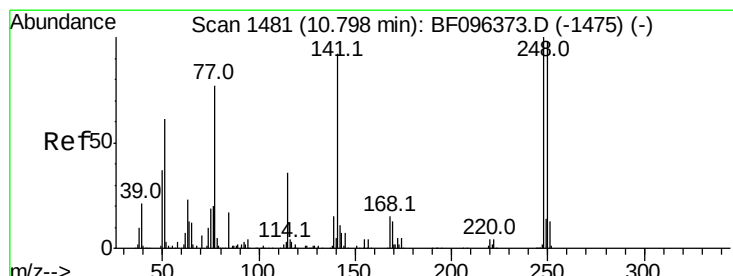
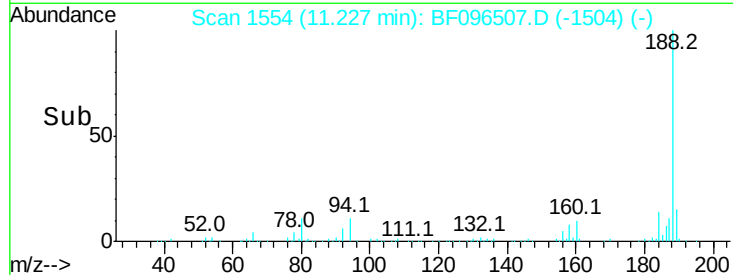
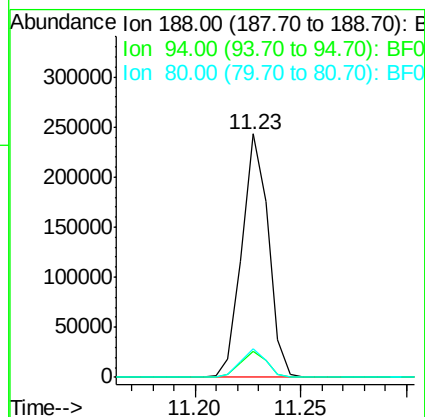
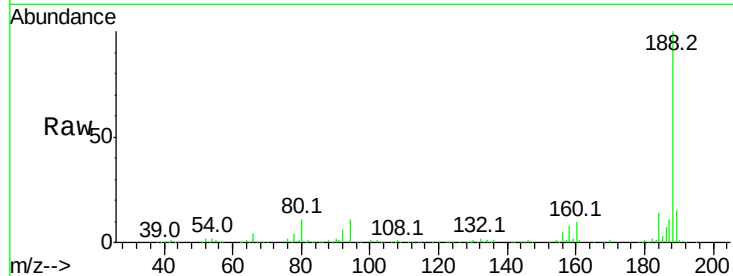




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

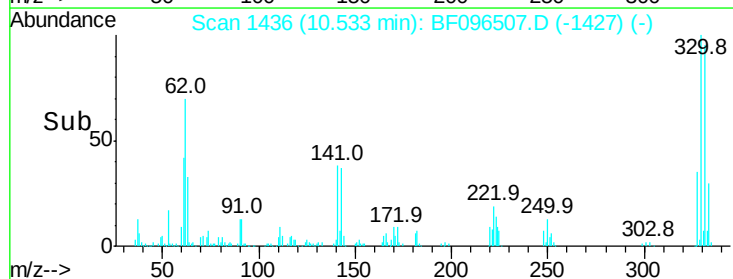
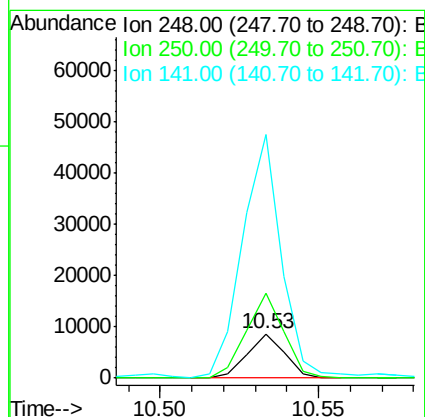
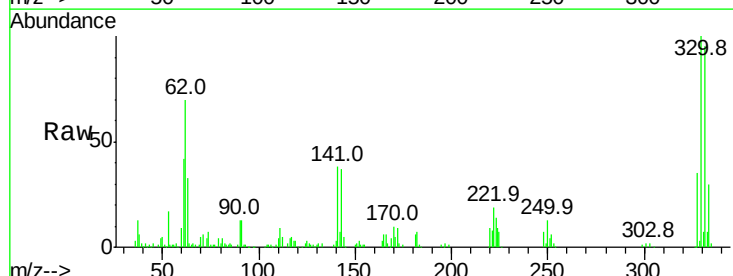
Instrument :
BNA_F
ClientSampleId :

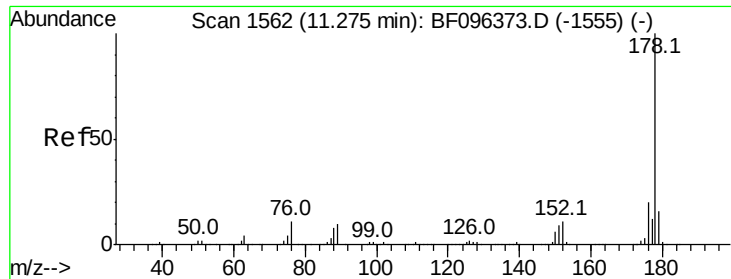
Tot Ion:188 Resp: 210374
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.5 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 3.39 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Tgt Ion:248 Resp: 6951
Ion Ratio Lower Upper
248 100
250 192.0 76.8 115.2#
141 554.0 68.6 103.0#





#70

Phenanthrene

Concen: 17.07 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

Instrument :

BNA_F

ClientSampleId :

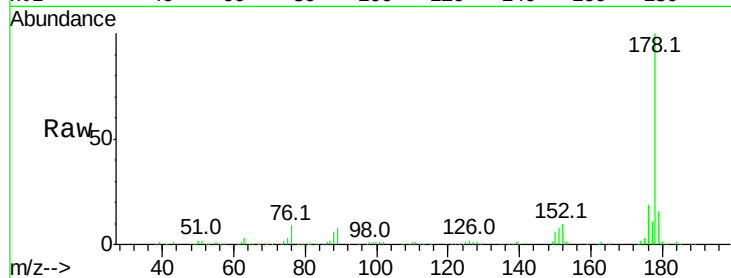
Tot Ion:178 Resp: 194101

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

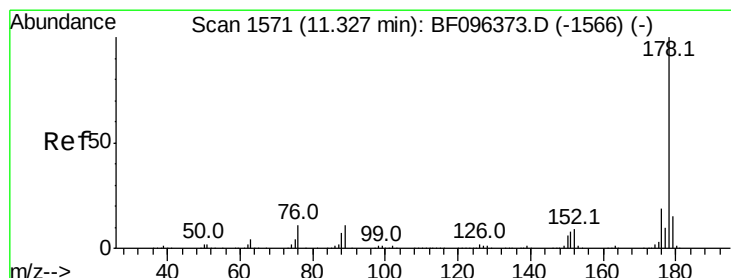
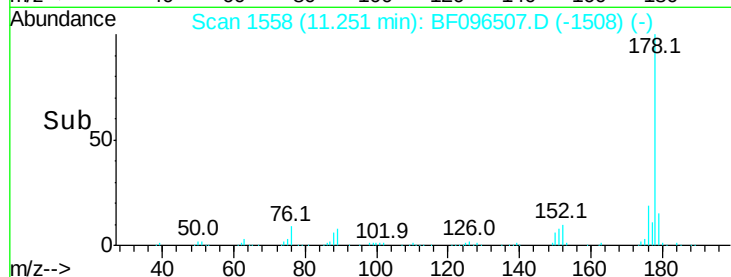
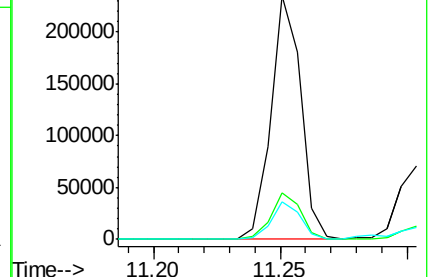
179 15.7 12.6 19.0



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: 4.99 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

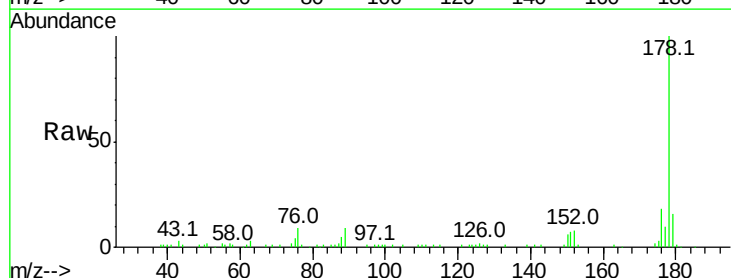
Tgt Ion:178 Resp: 57885

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

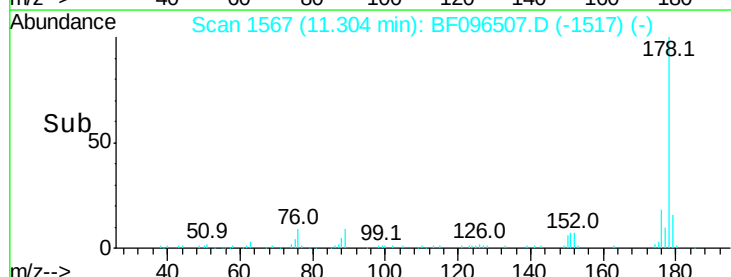
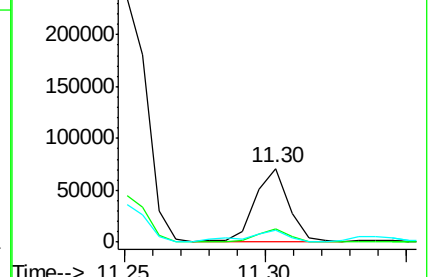
179 16.2 12.7 19.1

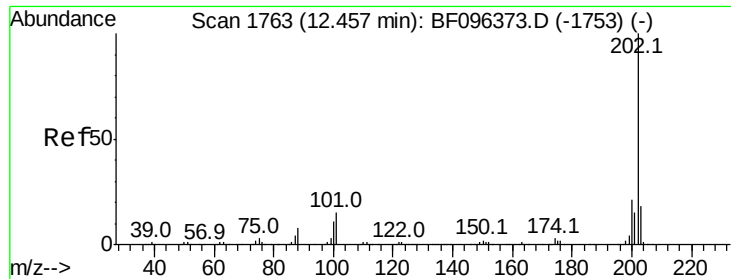


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

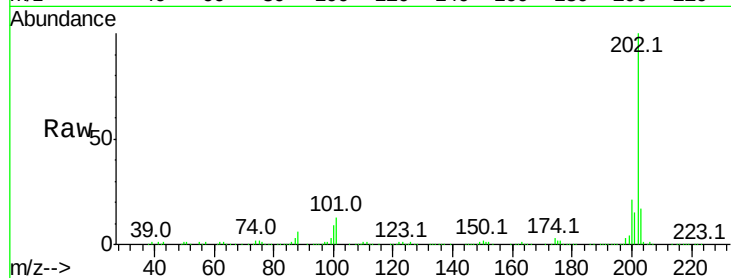




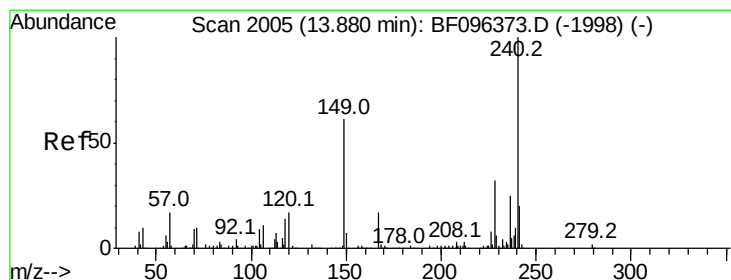
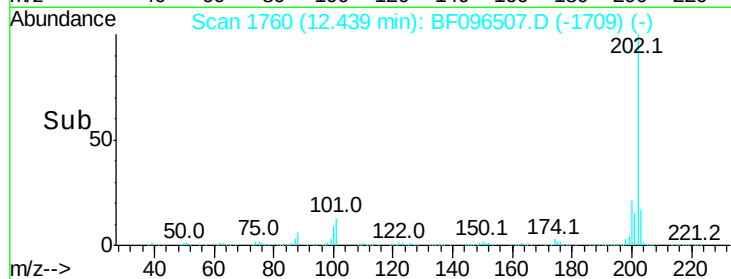
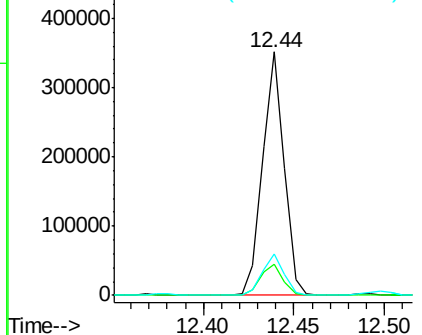
#74
Fluoranthene
Concen: 26.08 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.00 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.2	0.0	38.1

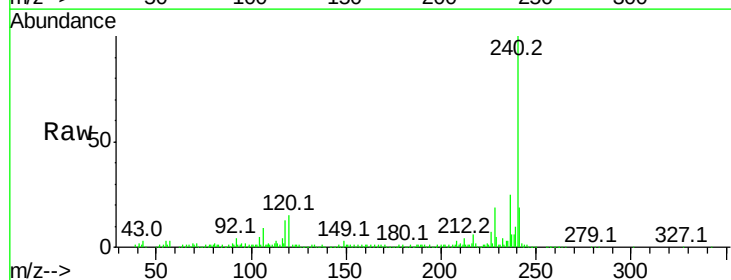


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

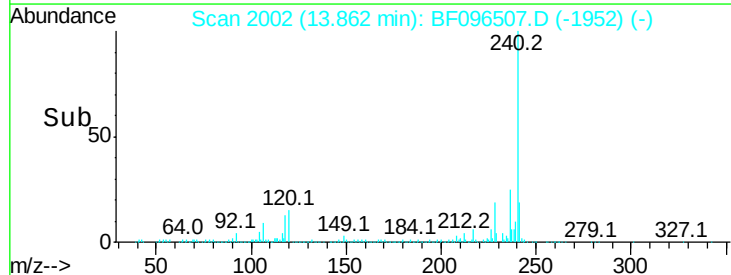
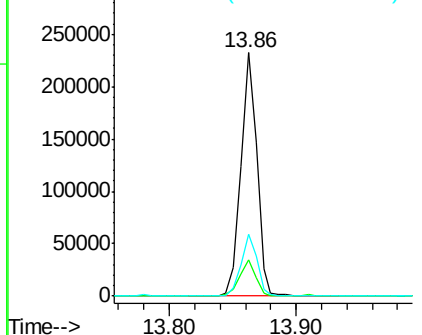


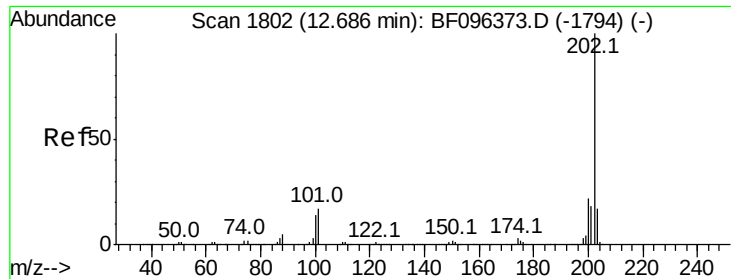
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	25.2	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

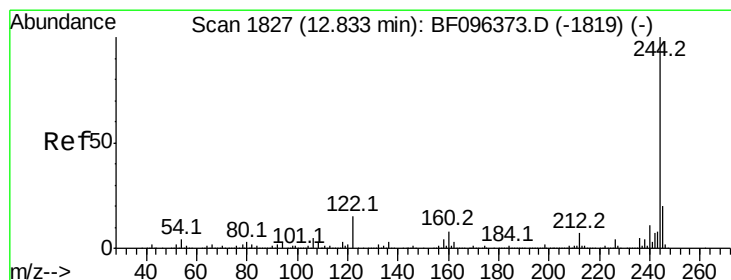
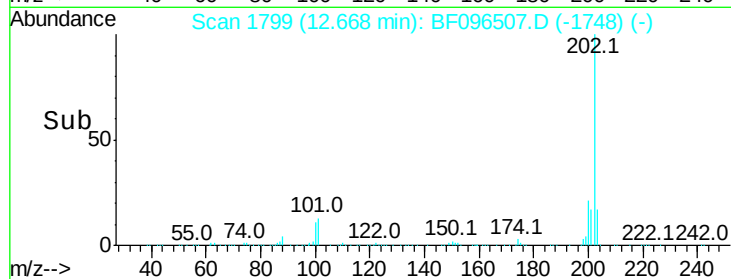
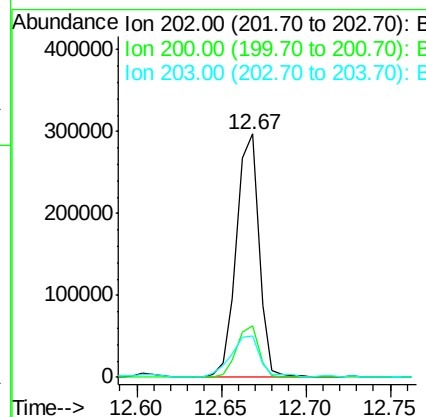
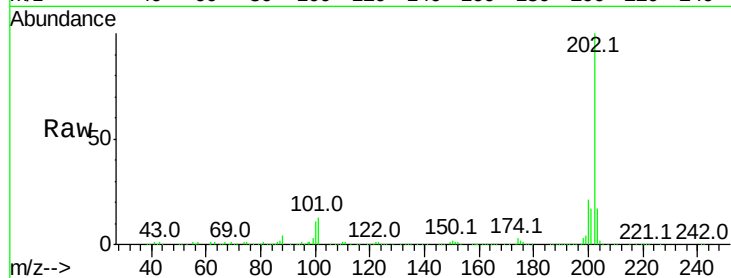




#77
Pvrene
Concen: 17.10 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.00 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

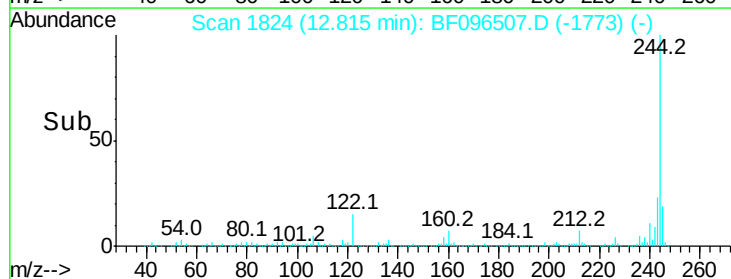
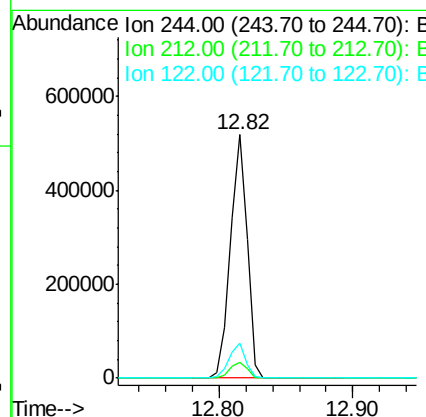
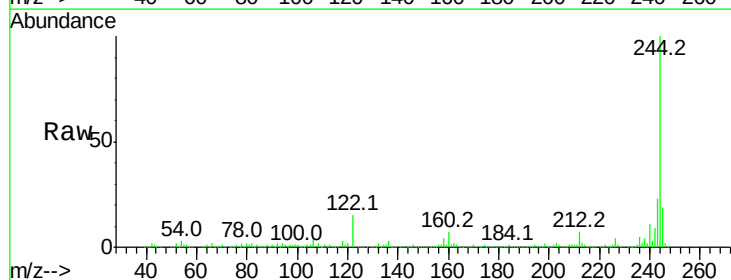
Instrument :
BNA_F
ClientSampleId :

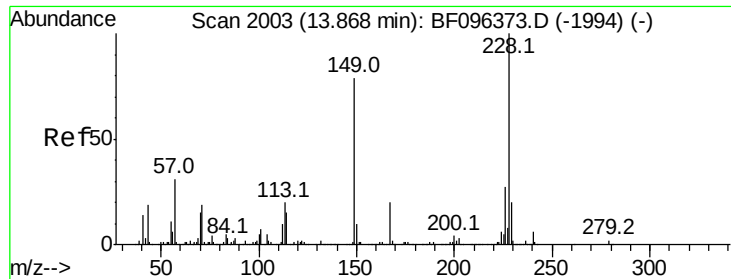
Tot Ion:202 Resp: 276785
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 17.1 14.4 21.6



#78
Terphenyl-d14
Concen: 49.13 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Tgt Ion:244 Resp: 463700
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 14.5 10.3 15.5





#80

Benzo(a)anthracene

Concen: 13.00 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

Instrument :

BNA_F

ClientSampleId :

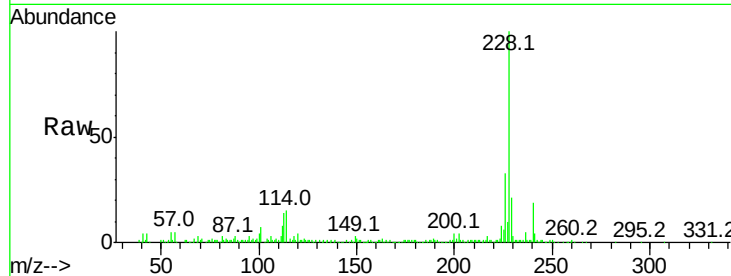
Tot Ion:228 Resp: 151846

Ion Ratio Lower Upper

228 100

226 33.0 22.6 33.8

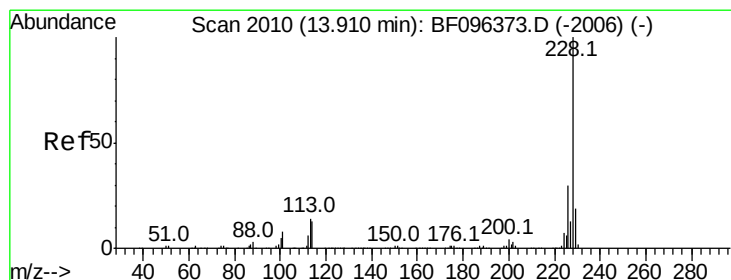
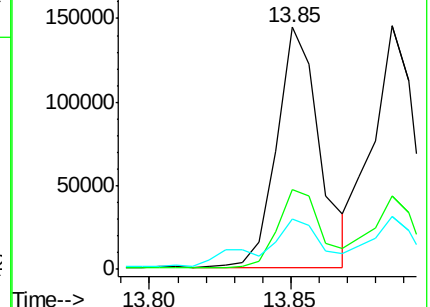
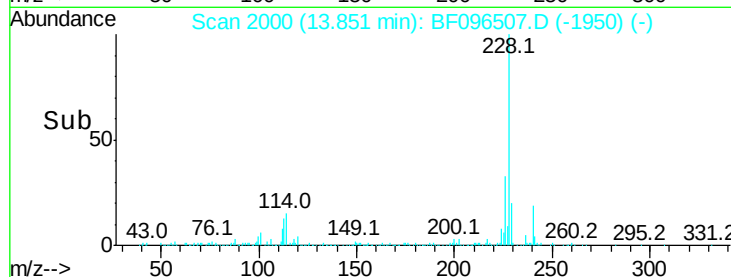
229 20.7 16.3 24.5



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: 12.12 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

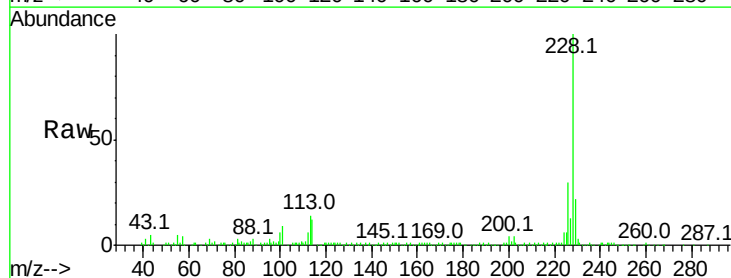
Tgt Ion:228 Resp: 148209

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

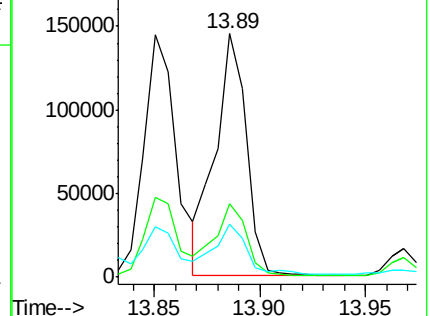
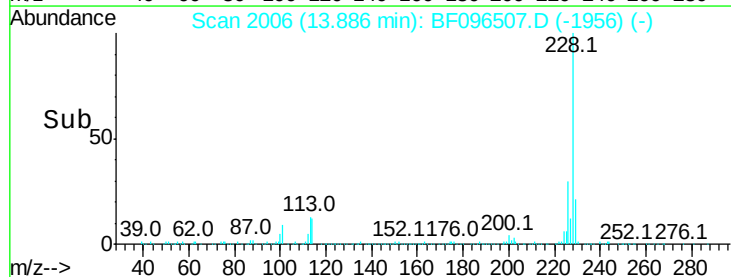
229 22.0 15.8 23.6

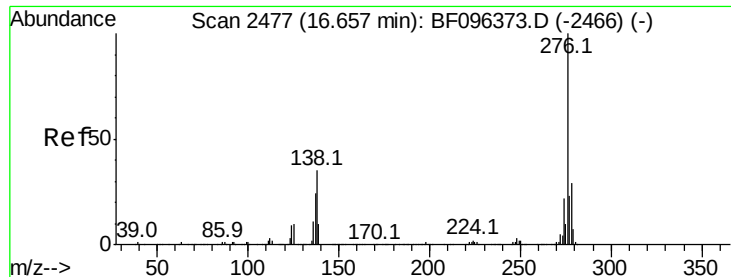


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.59 ng

RT: 16.63 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

Instrument :

BNA_F

ClientSampleId :

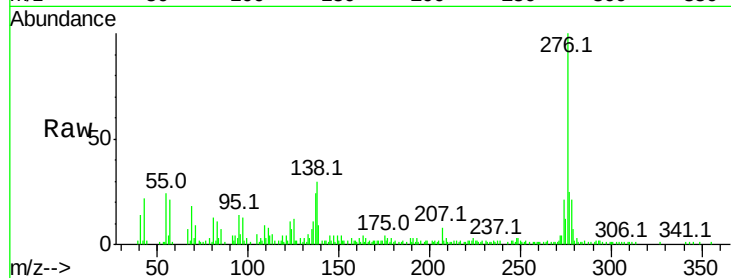
Tot Ion:276 Resp: 63573

Ion Ratio Lower Upper

276 100

138 29.1 27.8 41.6

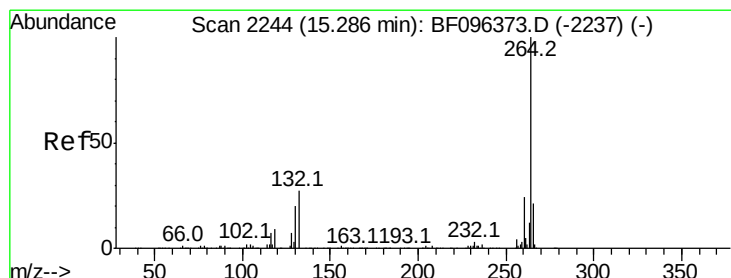
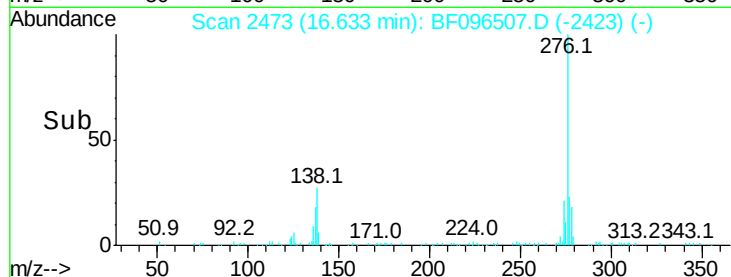
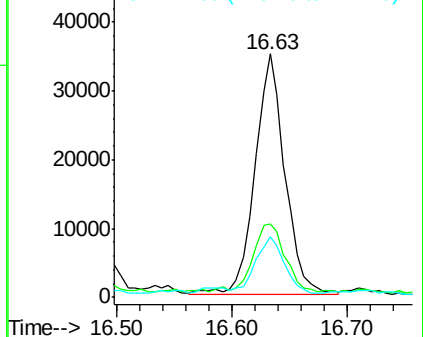
277 22.5 20.2 30.4



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# 2242

Delta R.T. -0.00 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

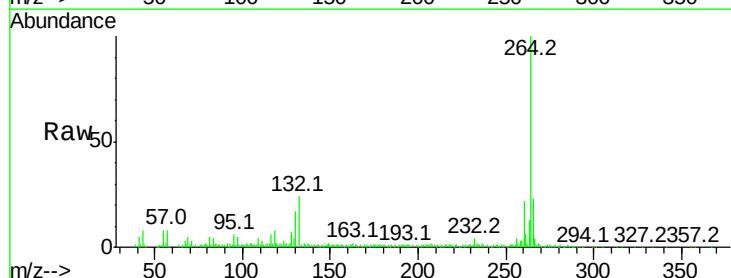
Tgt Ion:264 Resp: 135526

Ion Ratio Lower Upper

264 100

260 22.0 19.5 29.3

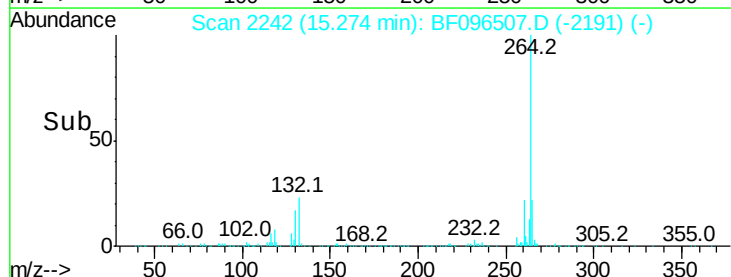
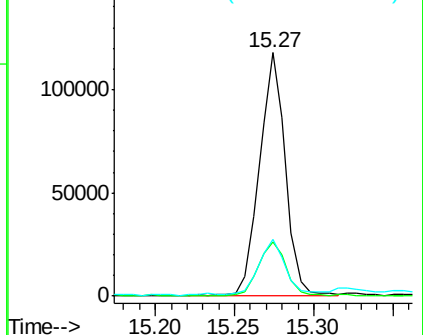
265 23.0 17.2 25.8

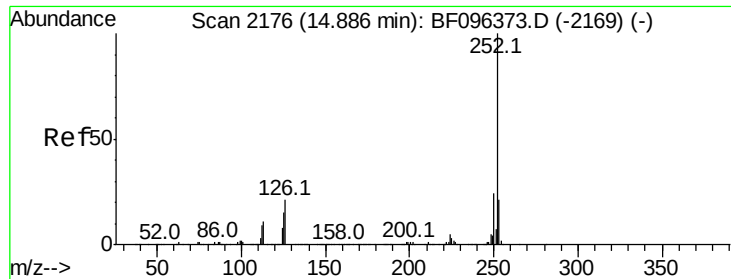


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 29.83 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096507.D

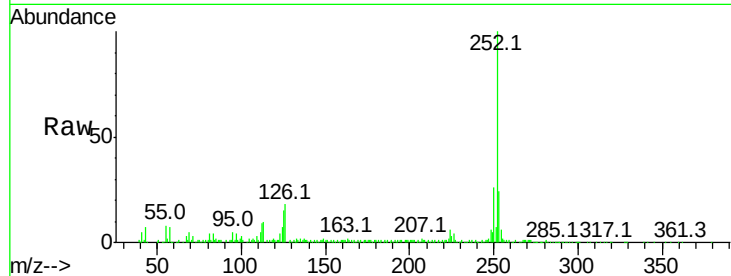
Acq: 6 Jul 2017 2:52

Instrument :

BNA_F

ClientSampleId :

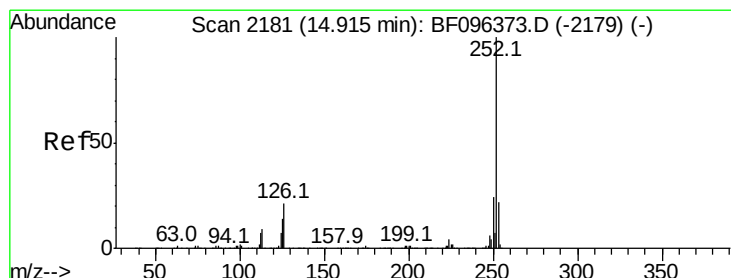
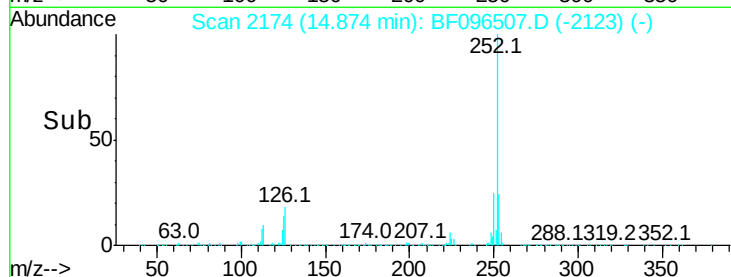
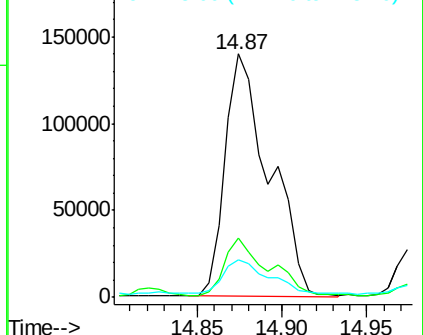
Tot Ion:252	Resp:	253324
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.1 27.1
125	15.2	9.8 14.8#



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: 33.35 ng

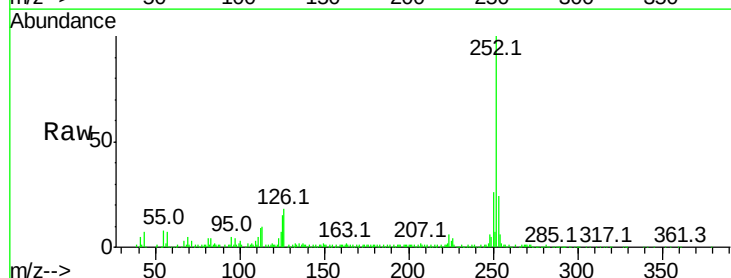
RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

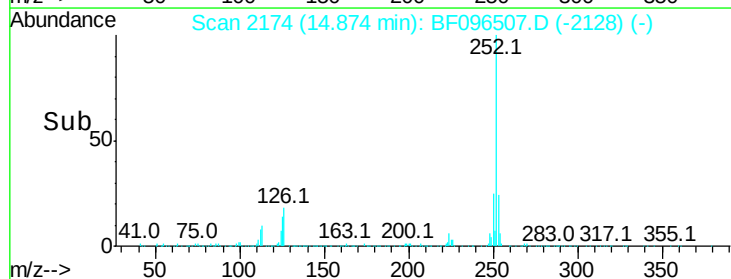
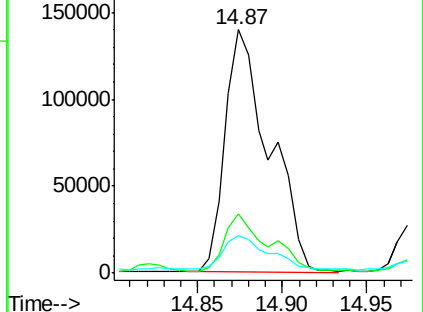
Tgt Ion:252	Resp:	253324
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.4 27.6
125	15.2	13.1 19.7

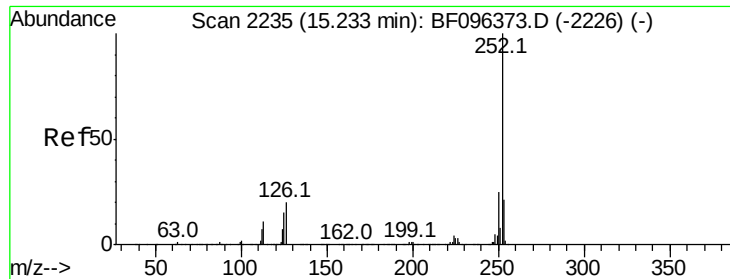


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

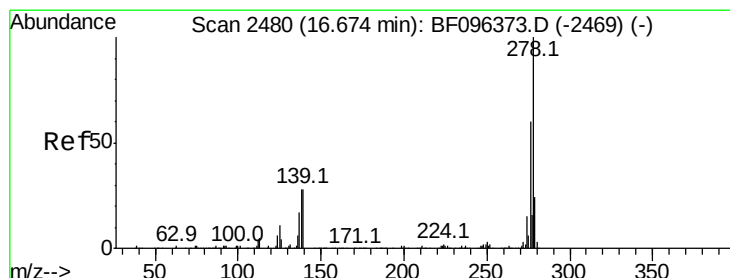
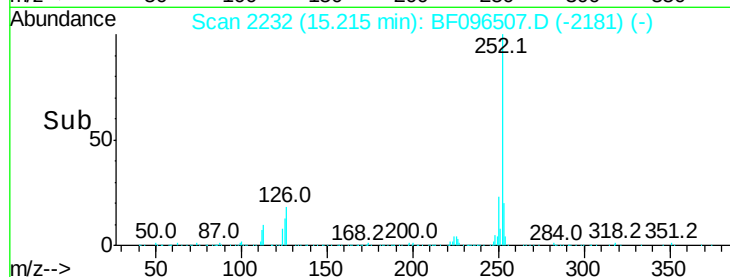
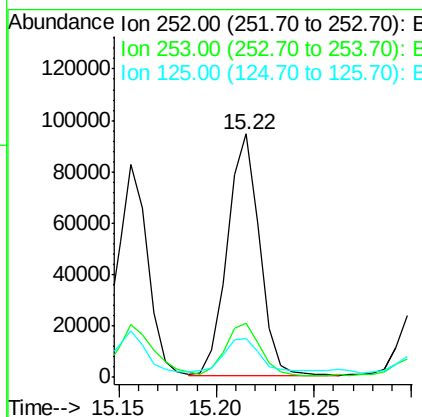
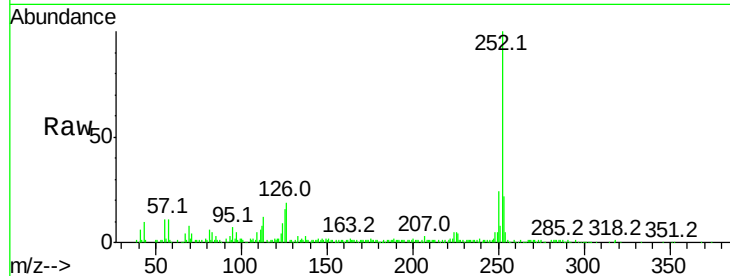




#89
Benzo(a)pyrene
Concen: 14.31 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

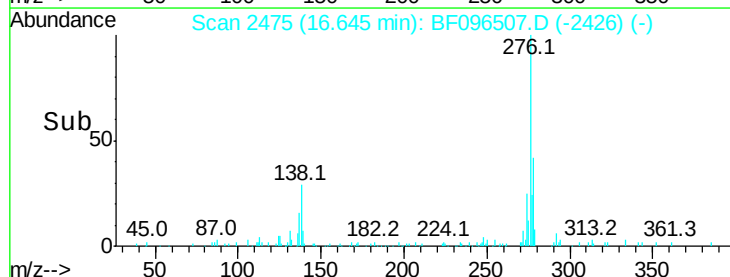
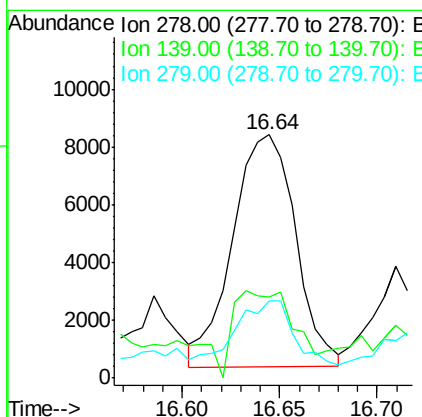
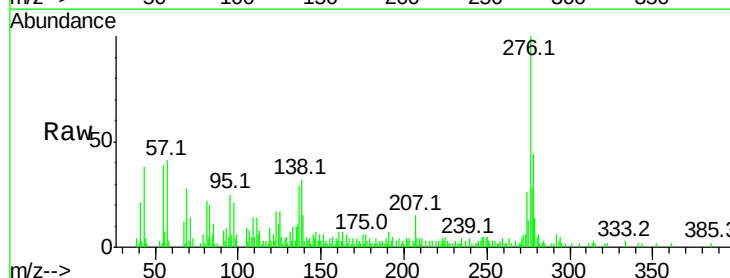
Instrument :
BNA_F
ClientSampleId :

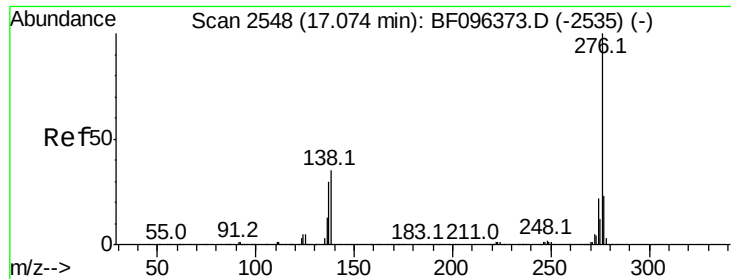
Tot Ion:252 Resp: 108509
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 15.8 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 3.01 ng
RT: 16.64 min Scan# 2475
Delta R.T. -0.01 min
Lab File: BF096507.D
Acq: 6 Jul 2017 2:52

Tgt Ion:278 Resp: 17937
Ion Ratio Lower Upper
278 100
139 33.2 16.6 24.8#
279 31.8 19.3 28.9#





#91

Benzo(a,h,i)perylene

Concen: 9.22 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.01 min

Lab File: BF096507.D

Acq: 6 Jul 2017 2:52

Instrument :

BNA_F

ClientSampleId :

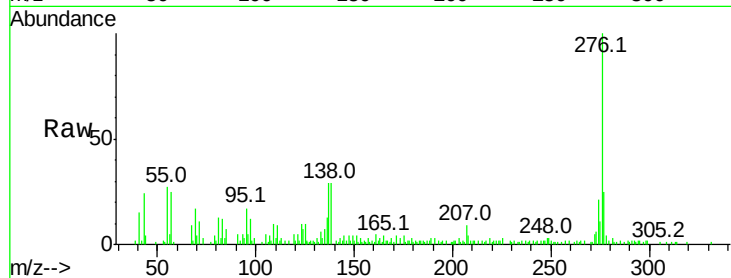
Tot Ion:276 Resp: 57002

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 28.8 25.4 38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

