

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096090.D
 Acq On : 21 Jun 2017 18:15
 Operator : SJ/MA
 Sample : I3736-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 01:04:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

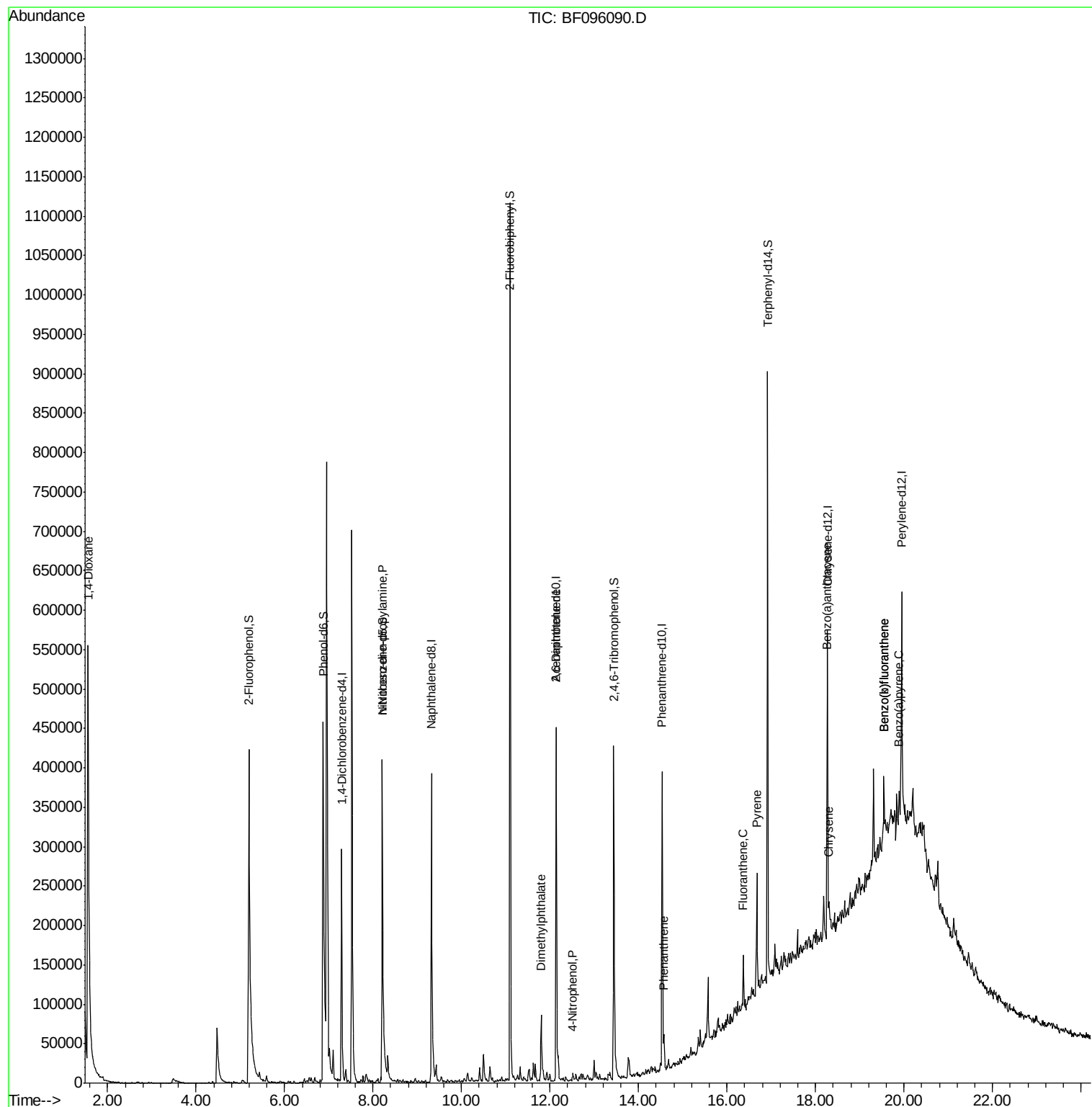
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	74016	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	302039	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	130296	20.00	ng	-0.01
63) Phenanthrene-d10	14.53	188	205530	20.00	ng	0.00
75) Chrysene-d12	18.27	240	158576	20.00	ng	0.00
86) Perylene-d12	19.94	264	131961	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	368795	79.40	ng	0.01
7) Phenol-d6	6.87	99	473381	85.13	ng	0.00
23) Nitrobenzene-d5	8.21	82	275381	56.62	ng	-0.01
41) 2,4,6-Tribromophenol	13.44	330	81393	70.60	ng	-0.01
44) 2-Fluorobiphenyl	11.10	172	502052	53.62	ng	-0.01
78) Terphenyl-d14	16.92	244	306353	47.94	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.56	88	33539	15.18	ng	# 21
19) n-Nitroso-di-n-propylamine	8.21	70	33249	9.43	ng	# 79
49) Dimethylphthalate	11.80	163	55318	5.59	ng	99
50) 2,6-Dinitrotoluene	12.14	165	17053	7.90	ng	# 33
55) 4-Nitrophenol	12.50	139	1717	5.73	ng	# 25
70) Phenanthrene	14.57	178	27071	2.28	ng	95
74) Fluoranthene	16.37	202	39427	3.36	ng	96
77) Pyrene	16.67	202	35416	2.99	ng	# 92
80) Benzo(a)anthracene	18.26	228	19906	2.16	ng	96
82) Chrysene	18.30	228	20897	2.27	ng	# 94
87) Benzo(b)fluoranthene	19.54	252	42687	5.17	ng	# 87
88) Benzo(k)fluoranthene	19.54	252	42687	5.40	ng	# 91
89) Benzo(a)pyrene	19.90	252	15316	2.02	ng	# 80

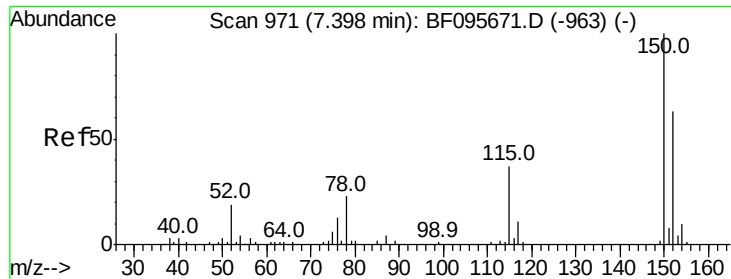
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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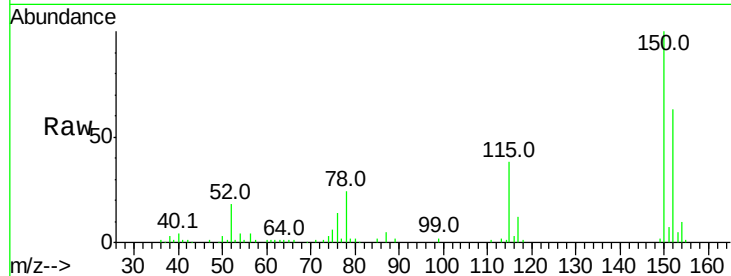


#1

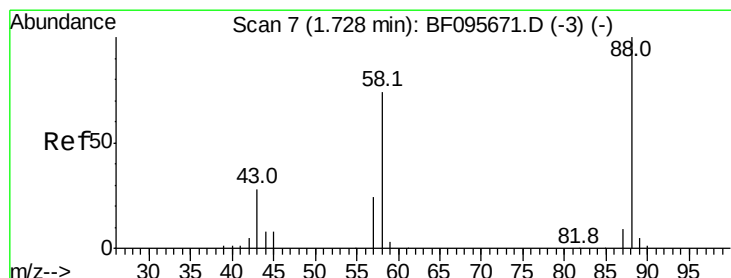
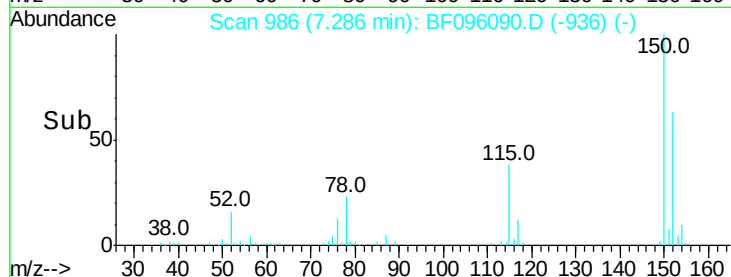
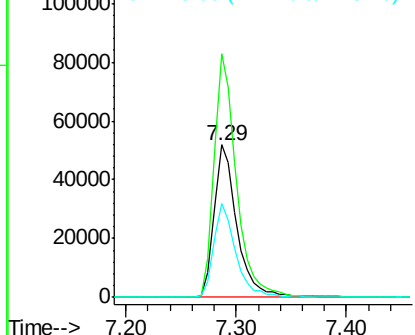
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF096090.D
Acq: 21 Jun 2017 18:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74016
Ion Ratio Lower Upper
152 100
150 159.7 126.2 189.2
115 61.2 52.2 78.2



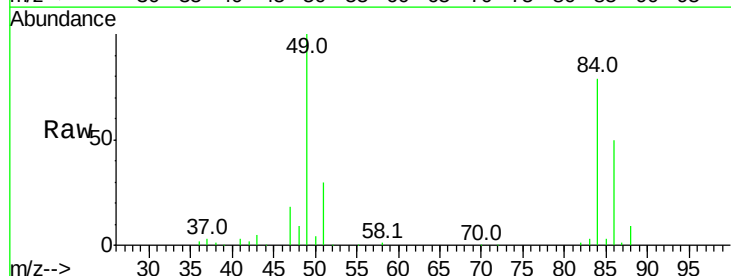
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



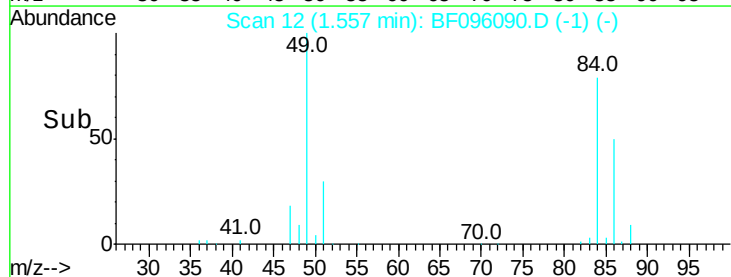
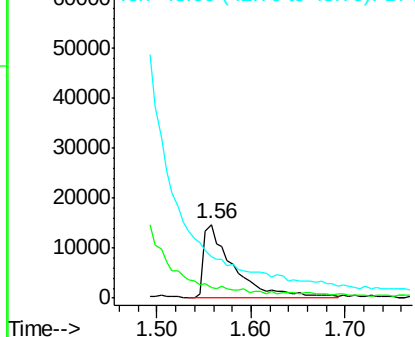
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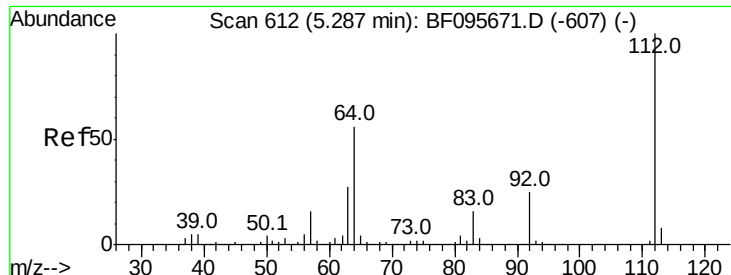
1,4-Dioxane
Concen: 15.18 ng
RT: 1.56 min Scan# 12
Delta R.T. -0.05 min
Lab File: BF096090.D
Acq: 21 Jun 2017 18:15

Tgt Ion: 88 Resp: 33539
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 79.40 ng

RT: 5.19 min Scan# 630

Delta R.T. 0.01 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

Instrument :

BNA_F

ClientSampled :

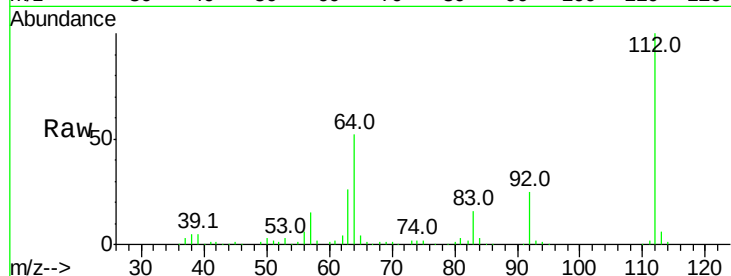
Tot Ion:112 Resp: 368795

Ion Ratio Lower Upper

112 100

64 52.1 46.0 69.0

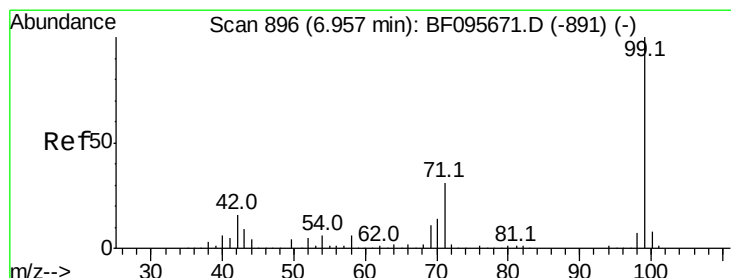
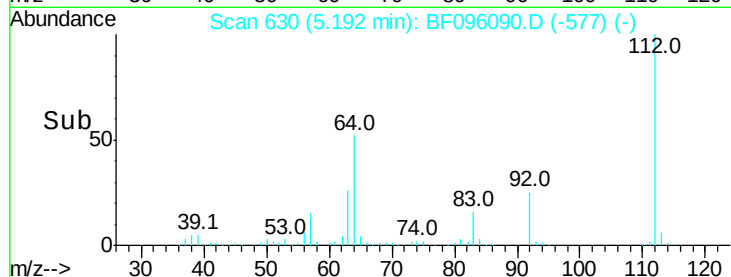
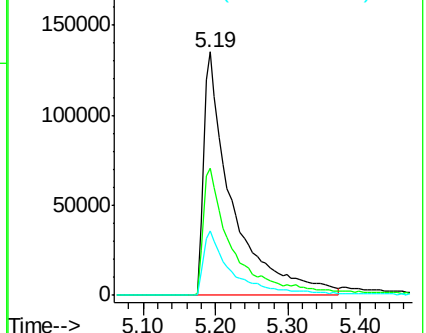
63 26.2 23.4 35.0



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: 85.13 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

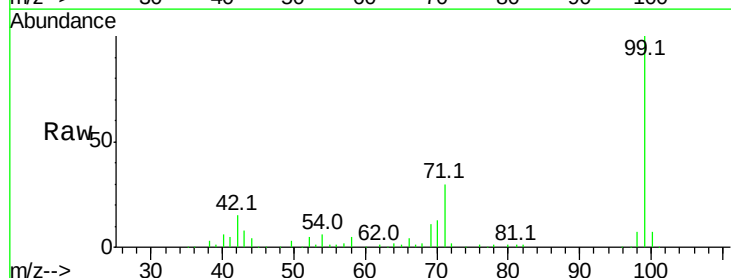
Tgt Ion: 99 Resp: 473381

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

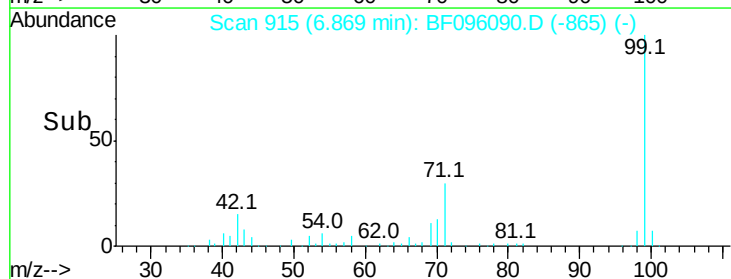
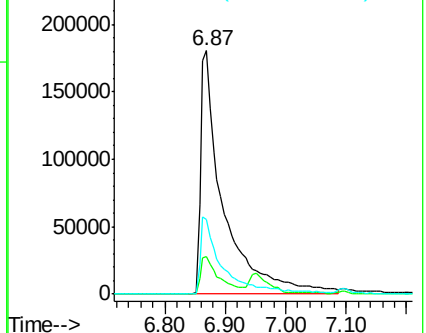
71 30.4 24.5 36.7

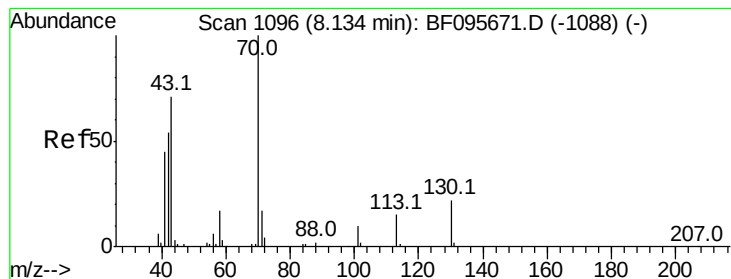


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 9.43 ng

RT: 8.21 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 33249

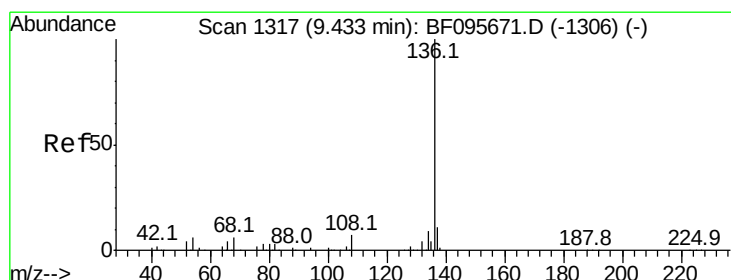
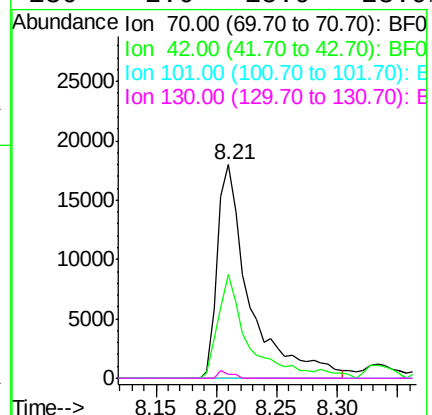
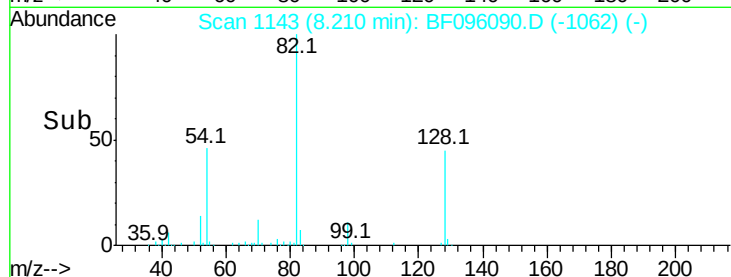
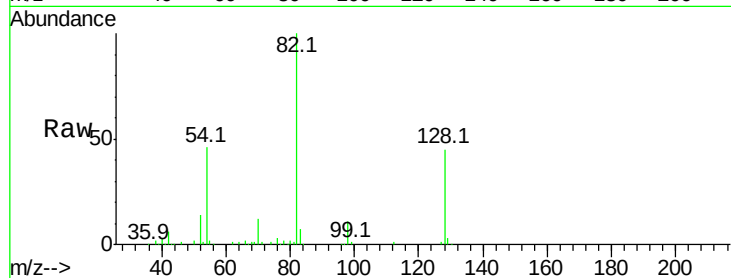
Ion Ratio Lower Upper

70 100

42 48.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.32 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

Tgt Ion: 136 Resp: 302039

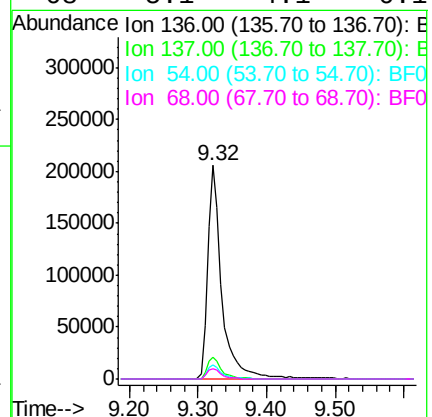
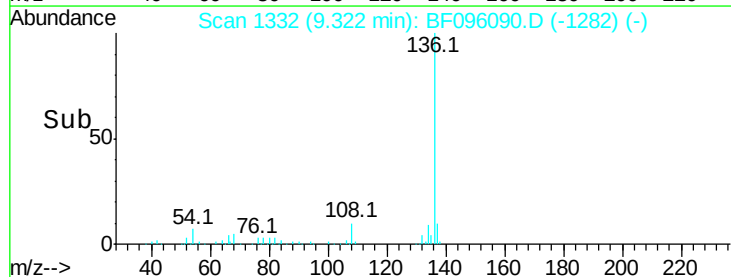
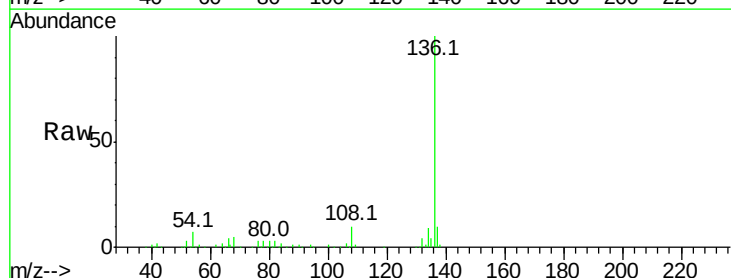
Ion Ratio Lower Upper

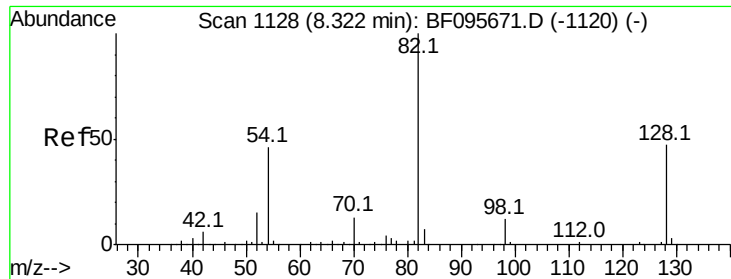
136 100

137 10.2 8.5 12.7

54 6.7 4.9 7.3

68 5.1 4.1 6.1

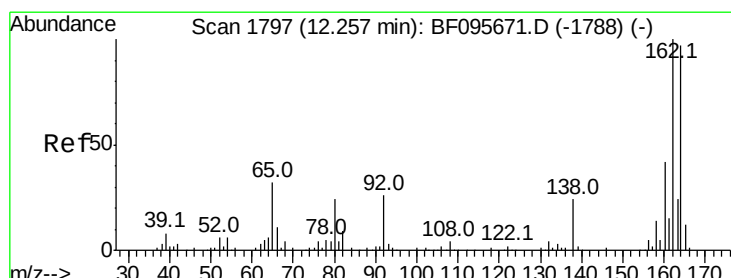
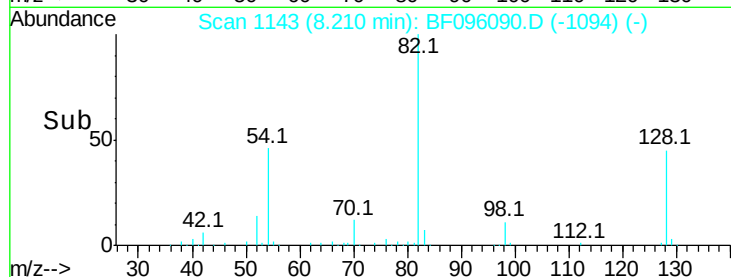
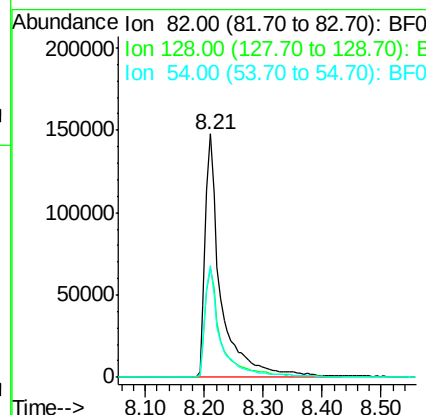
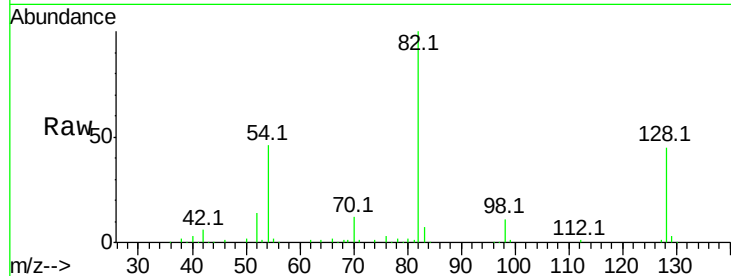




#23
 Nitrobenzene-d5
 Concen: 56.62 ng
 RT: 8.21 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF096090.D
 Acq: 21 Jun 2017 18:15

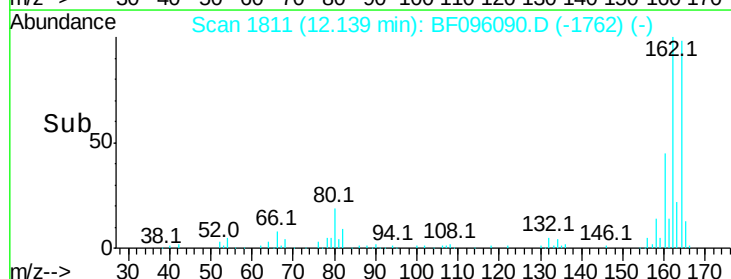
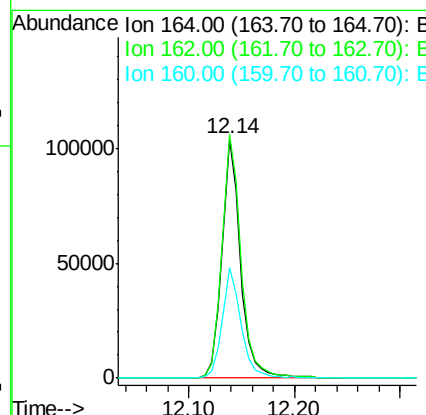
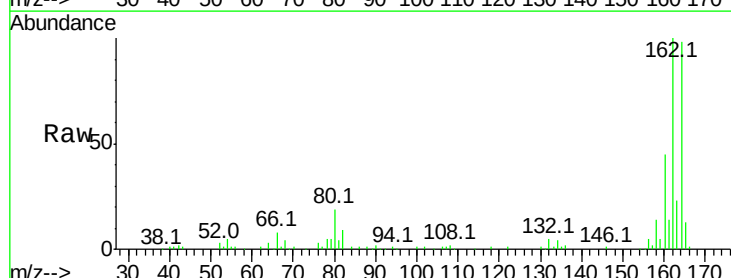
Instrument :
 BNA_F
 ClientSampleId :

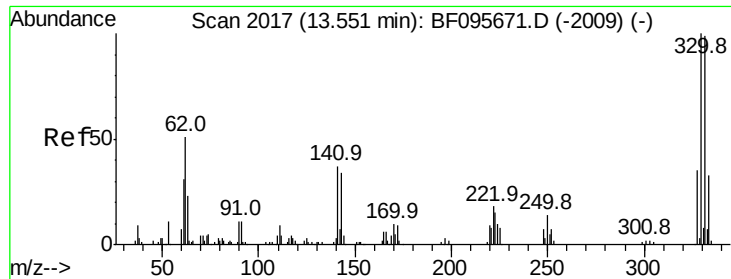
Tot Ion: 82 Resp: 275381
 Ion Ratio Lower Upper
 82 100
 128 45.1 34.0 51.0
 54 46.1 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF096090.D
 Acq: 21 Jun 2017 18:15

Tgt Ion: 164 Resp: 130296
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.6 123.8
 160 46.2 36.2 54.2

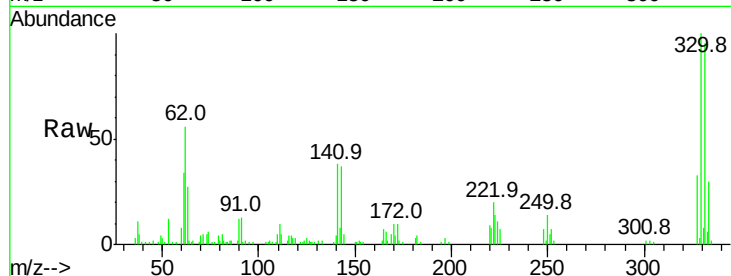




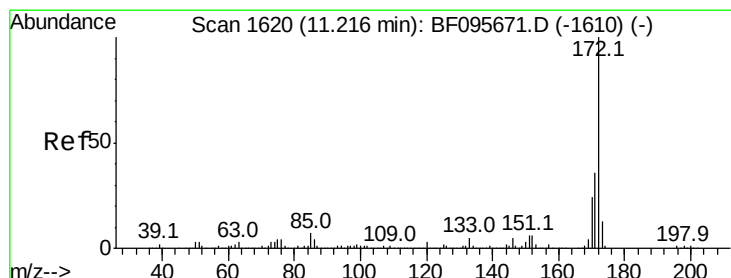
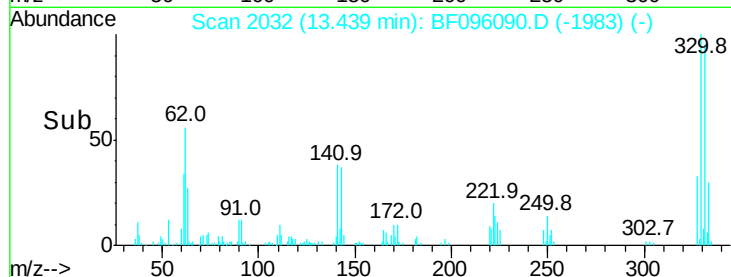
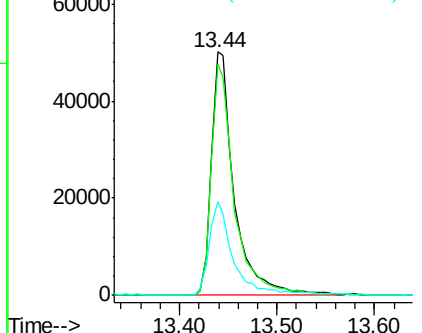
#41
 2,4,6-Tribromophenol
 Concen: 70.60 ng
 RT: 13.44 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF096090.D
 Acq: 21 Jun 2017 18:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 81393
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.6 115.0
 141 40.5 31.4 47.2

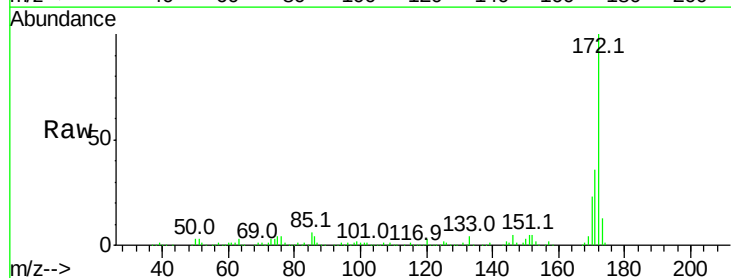


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

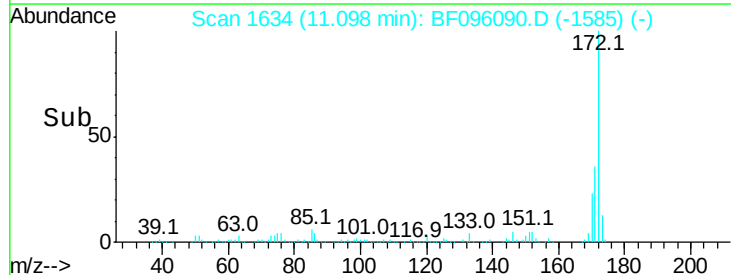
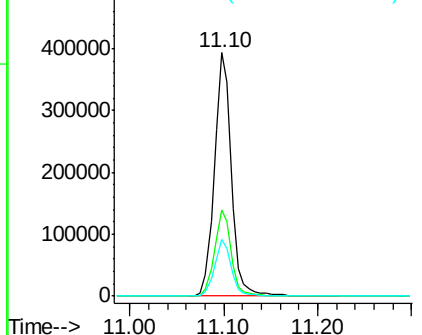


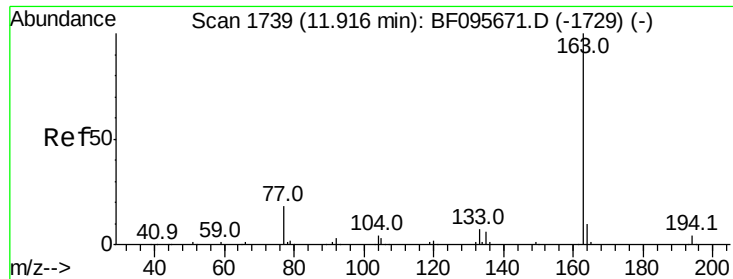
#44
 2-Fluorobiphenyl
 Concen: 53.62 ng
 RT: 11.10 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF096090.D
 Acq: 21 Jun 2017 18:15

Tgt Ion:172 Resp: 502052
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.4 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

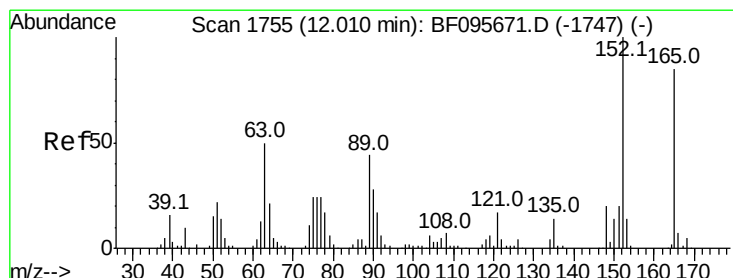
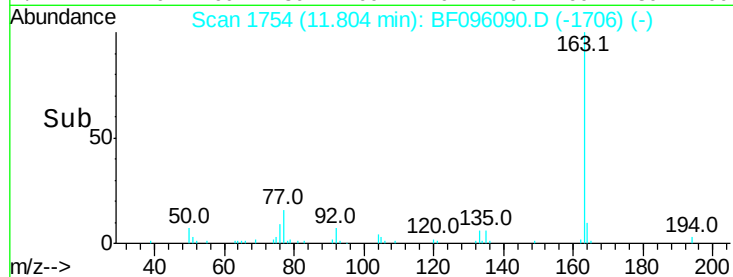
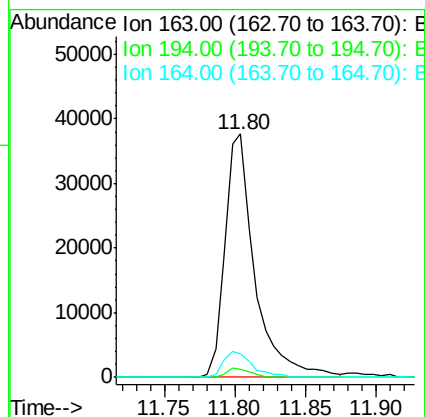
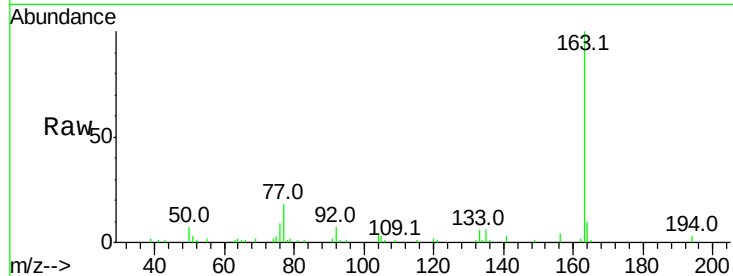




#49
Dimethylphthalate
Concen: 5.59 ng
RT: 11.80 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BF096090.D
Acq: 21 Jun 2017 18:15

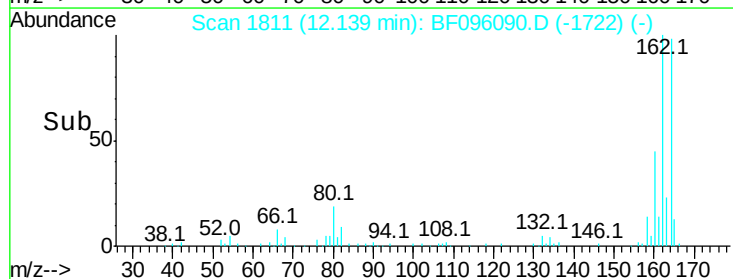
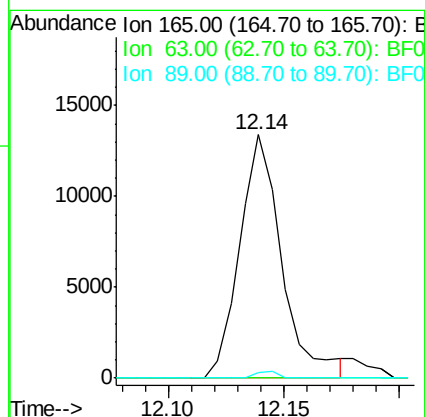
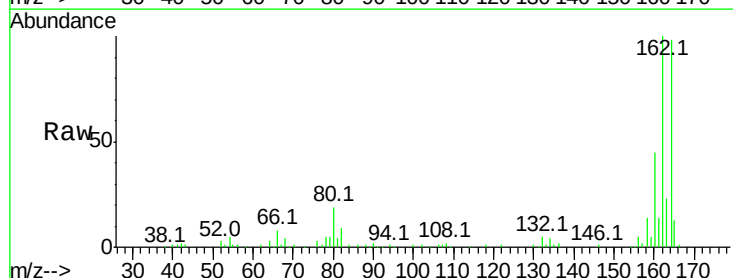
Instrument :
BNA_F
ClientSampled :

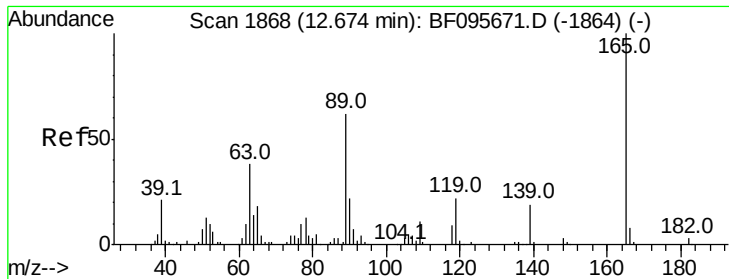
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.8	8.4	12.6



#50
2,6-Dinitrotoluene
Concen: 7.90 ng
RT: 12.14 min Scan# 1811
Delta R.T. 0.22 min
Lab File: BF096090.D
Acq: 21 Jun 2017 18:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	2.4	37.1	55.7#

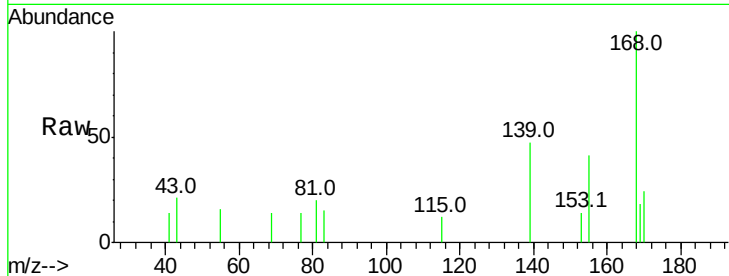




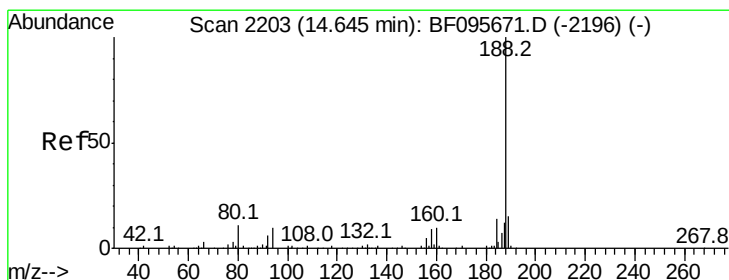
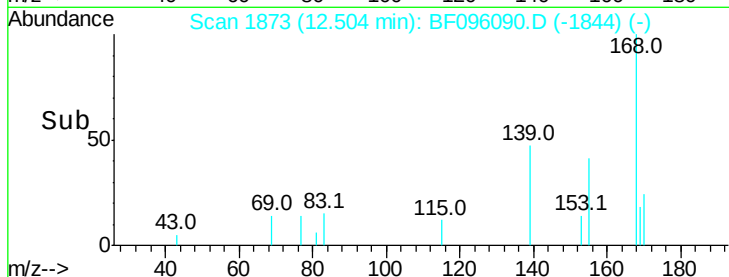
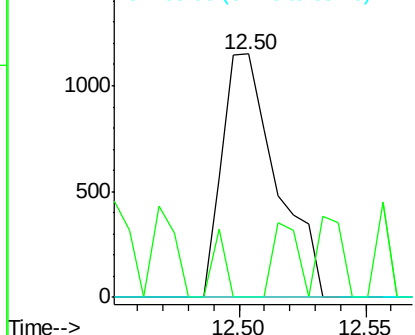
#55
4-Nitrophenol
Concen: 5.73 ng
RT: 12.50 min Scan# 1873
Delta R.T. -0.13 min
Lab File: BF096090.D
Acq: 21 Jun 2017 18:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1717
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

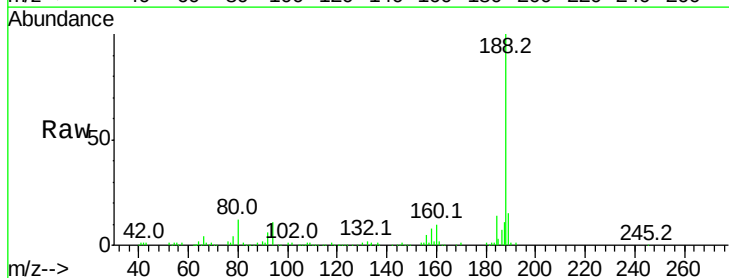


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

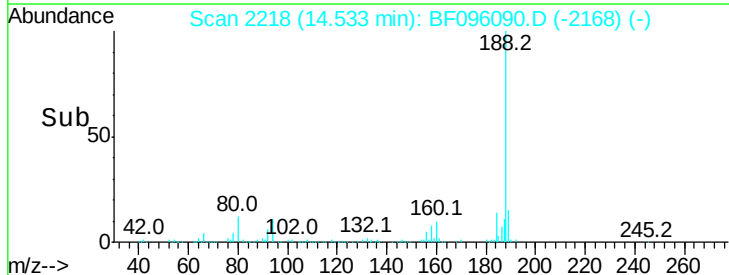
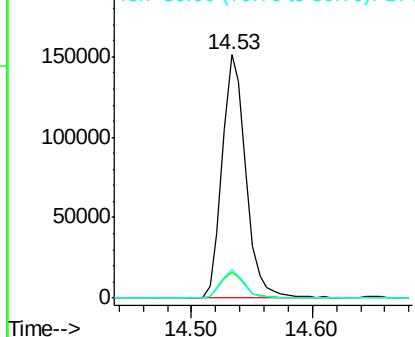


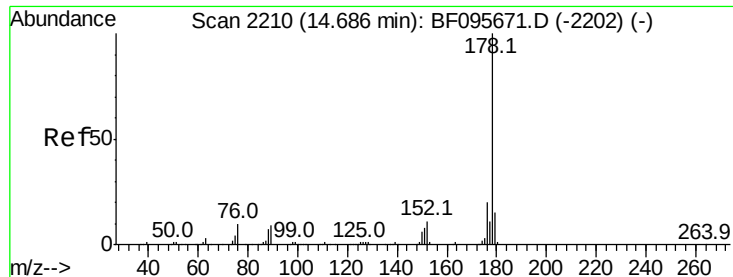
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096090.D
Acq: 21 Jun 2017 18:15

Tgt Ion:188 Resp: 205530
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.6 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





#70

Phenanthrene

Concen: 2.28 ng

RT: 14.57 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

Instrument :

BNA_F

ClientSampleId :

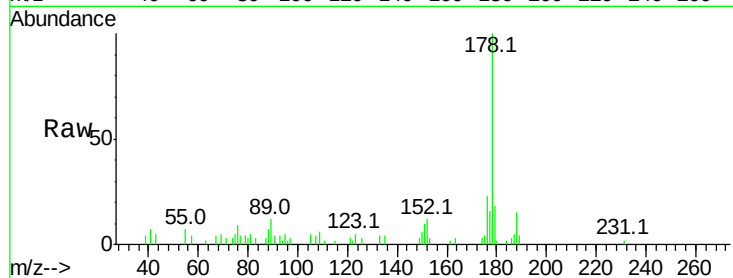
Tot Ion:178 Resp: 27071

Ion Ratio Lower Upper

178 100

176 22.9 16.2 24.4

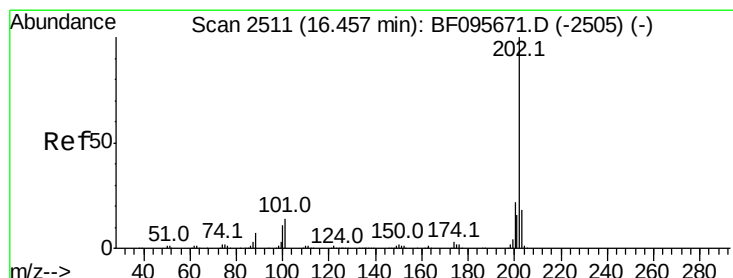
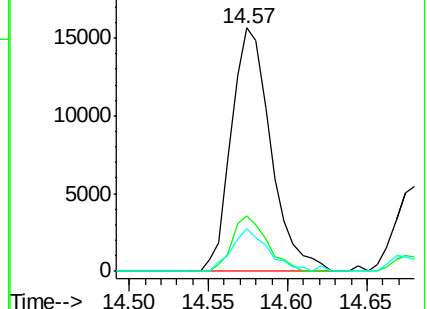
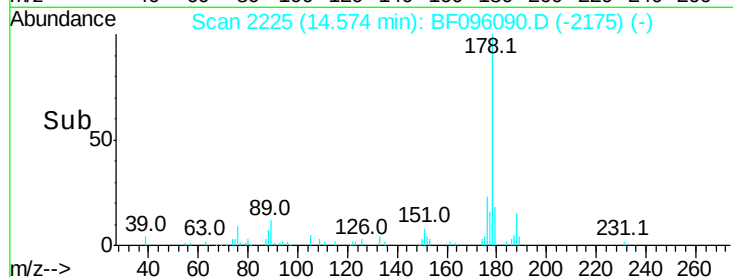
179 17.8 12.6 19.0



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: 3.36 ng

RT: 16.37 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

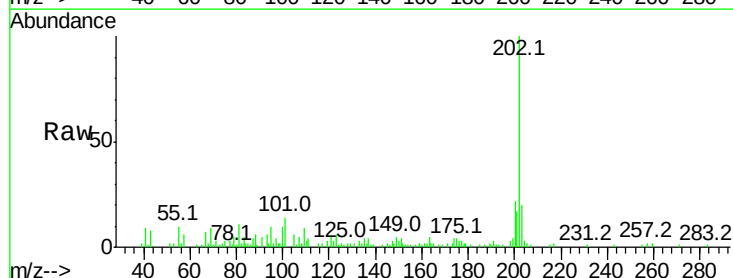
Tgt Ion:202 Resp: 39427

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

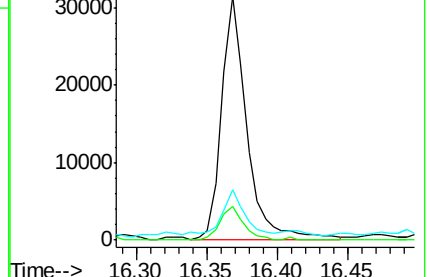
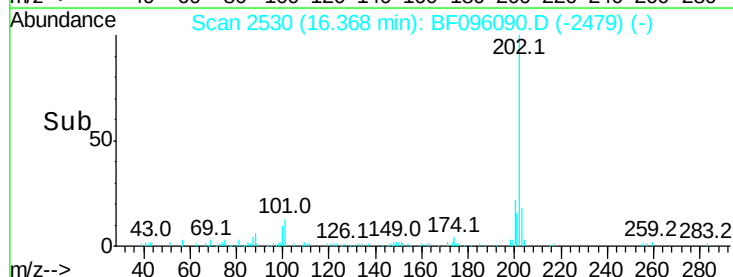
203 20.4 0.0 38.1

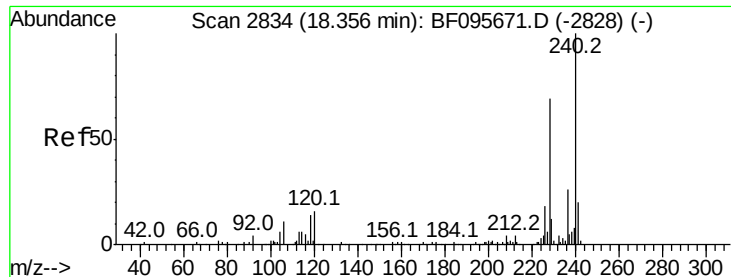


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

Instrument :

BNA_F

ClientSampleId :

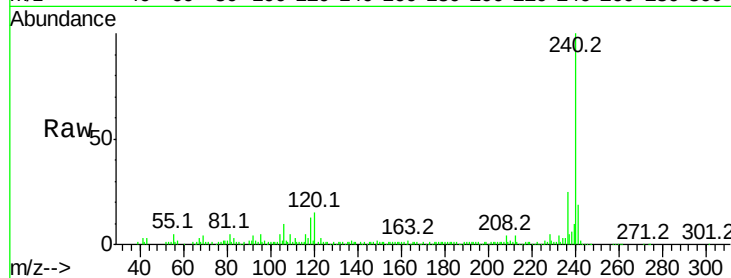
Tot Ion:240 Resp: 158576

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

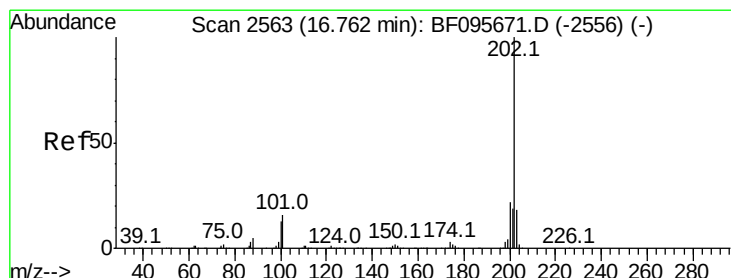
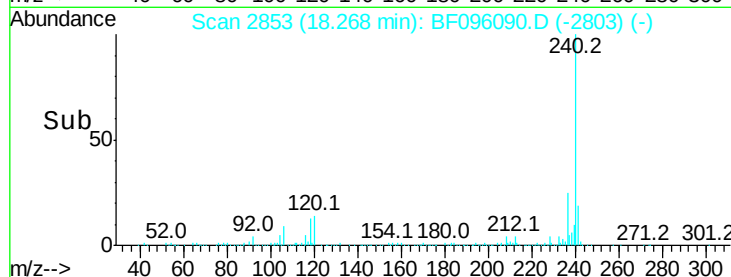
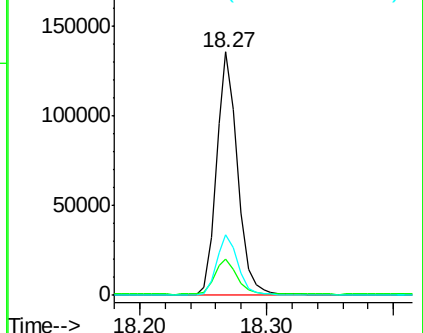
236 24.9 20.5 30.7



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

Pyrene

Concen: 2.99 ng

RT: 16.67 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

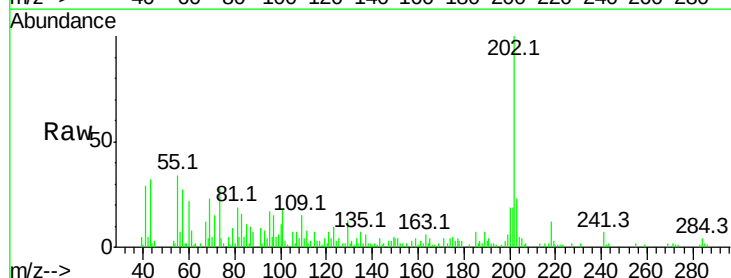
Tgt Ion:202 Resp: 35416

Ion Ratio Lower Upper

202 100

200 19.4 17.6 26.4

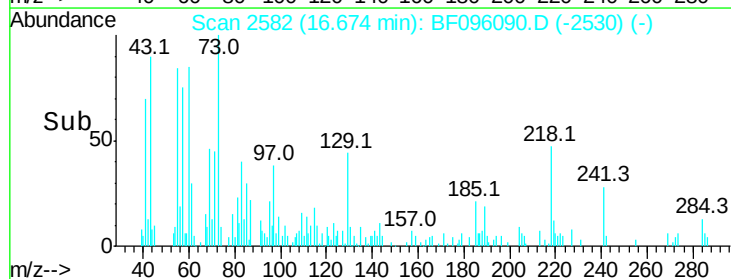
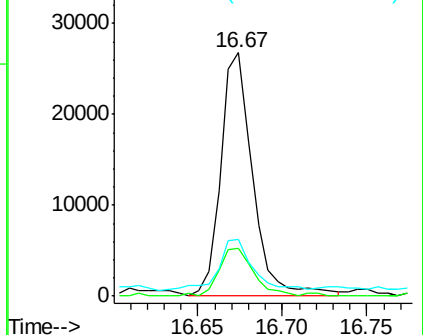
203 23.3 14.4 21.6#

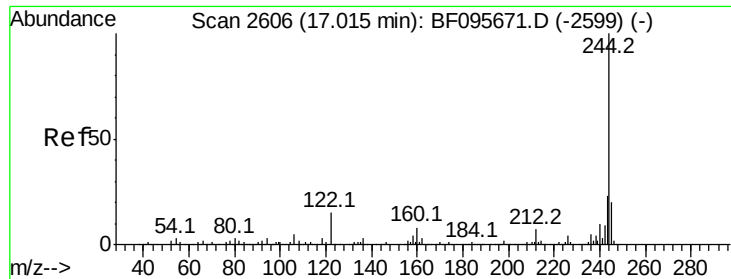


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

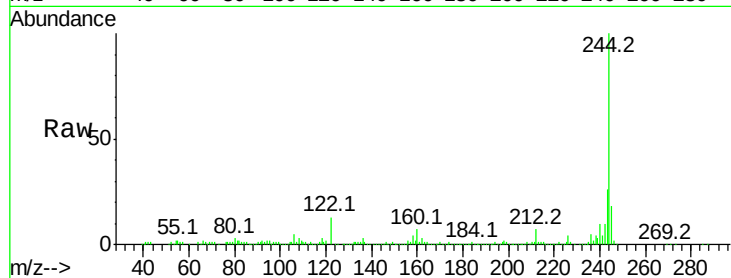




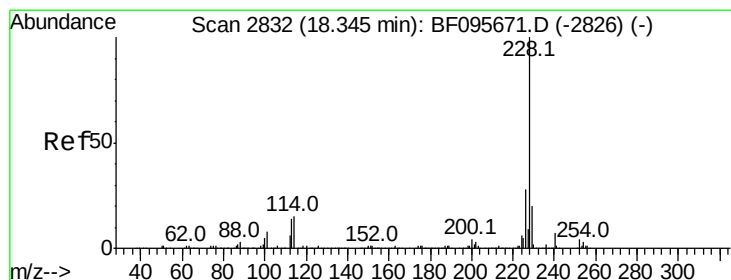
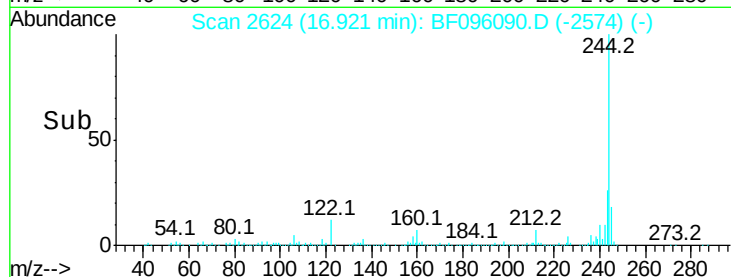
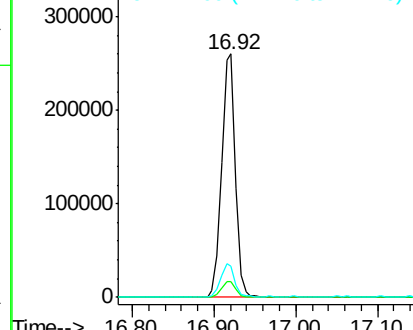
#78
 Terphenyl-d14
 Concen: 47.94 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096090.D
 Acq: 21 Jun 2017 18:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	12.7	10.3	15.5

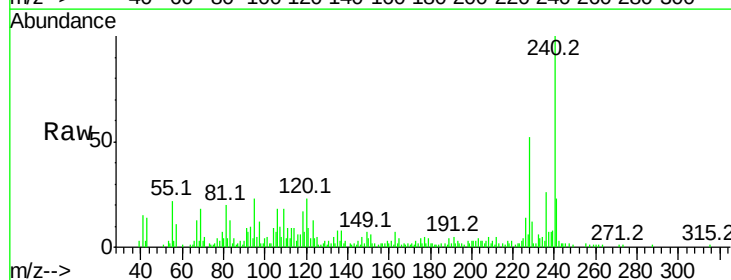


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

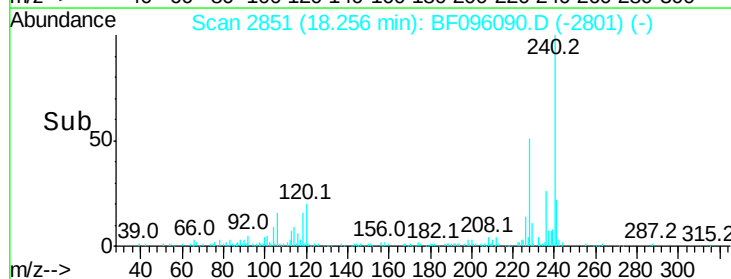
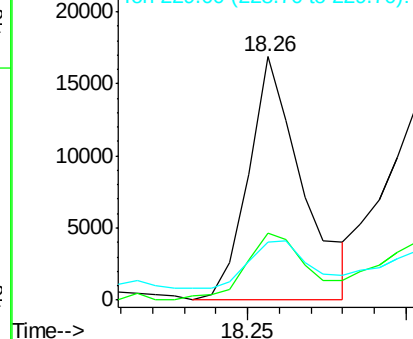


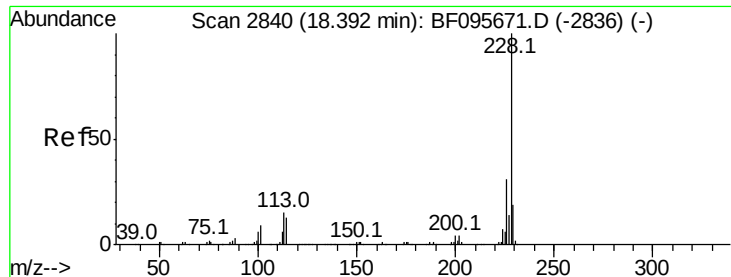
#80
 Benzo(a)anthracene
 Concen: 2.16 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096090.D
 Acq: 21 Jun 2017 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	23.8	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: 2.27 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

Instrument :

BNA_F

ClientSampleId :

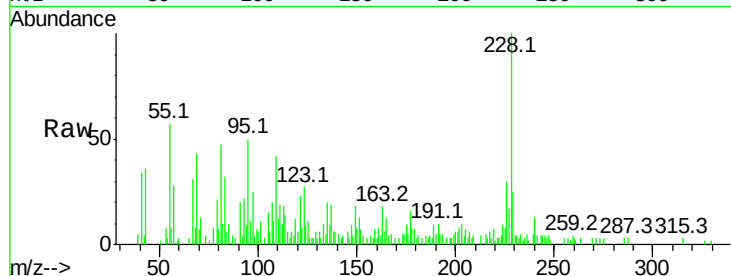
Tot Ion:228 Resp: 20897

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

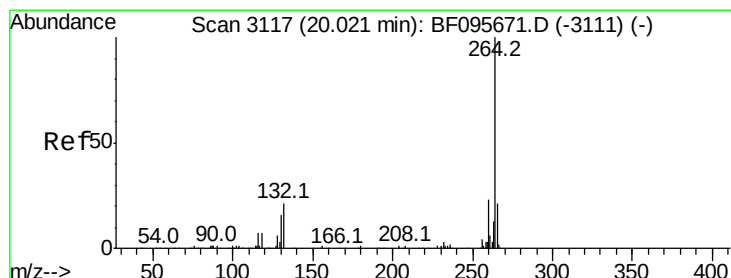
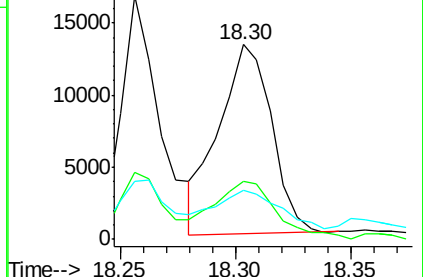
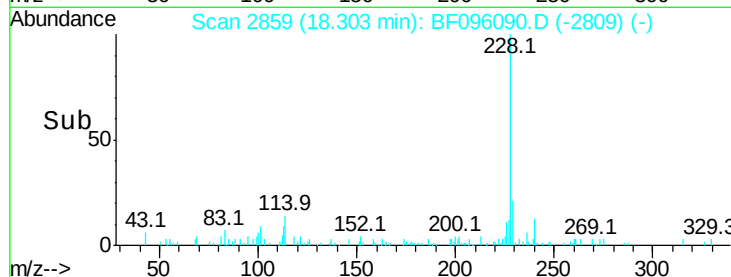
229 24.9 15.8 23.6#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.94 min Scan# 3138

Delta R.T. 0.01 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

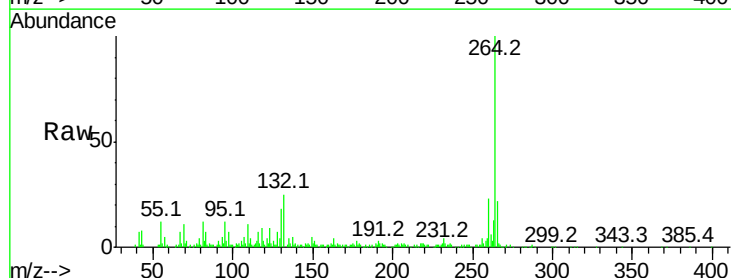
Tgt Ion:264 Resp: 131961

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

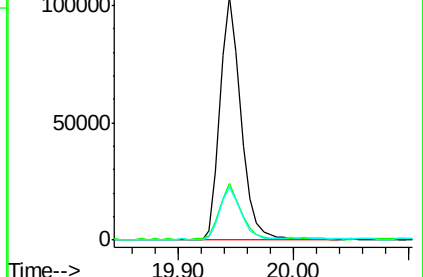
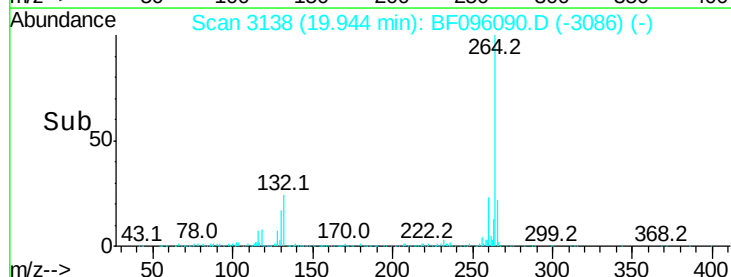
265 21.9 17.2 25.8

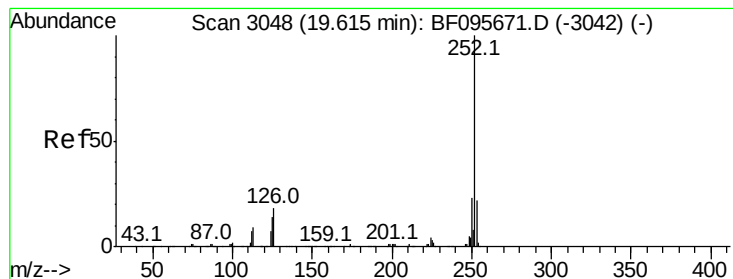


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.17 ng

RT: 19.54 min Scan# 3070

Delta R.T. 0.01 min

Lab File: BF096090.D

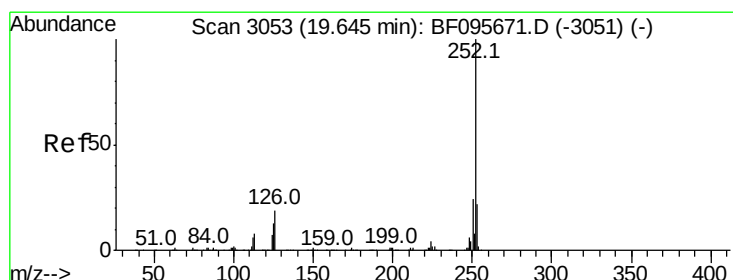
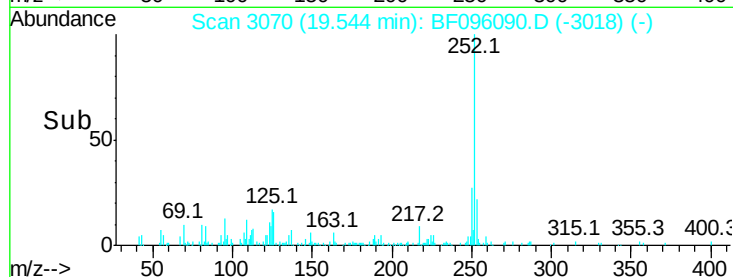
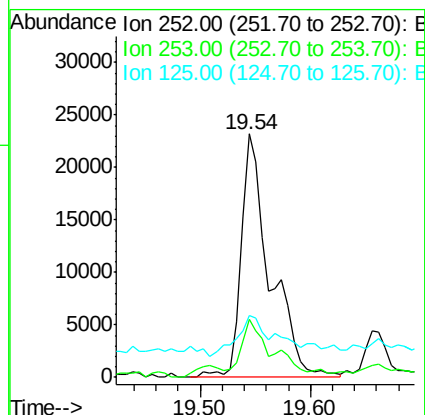
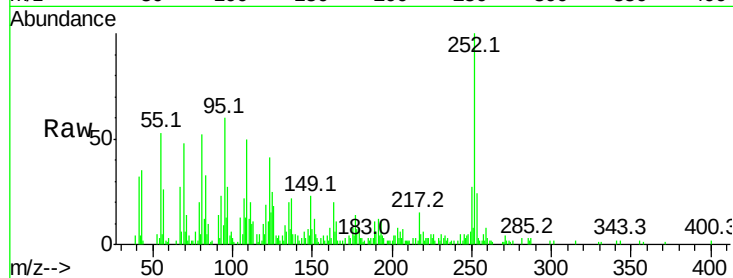
Acq: 21 Jun 2017 18:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	42687
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.1 27.1
125	25.3	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 5.40 ng

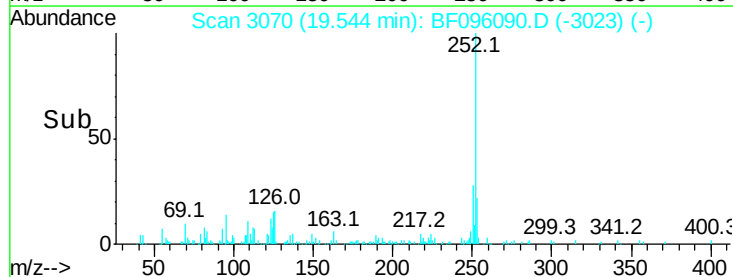
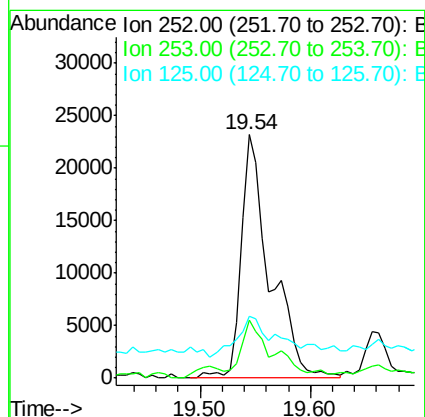
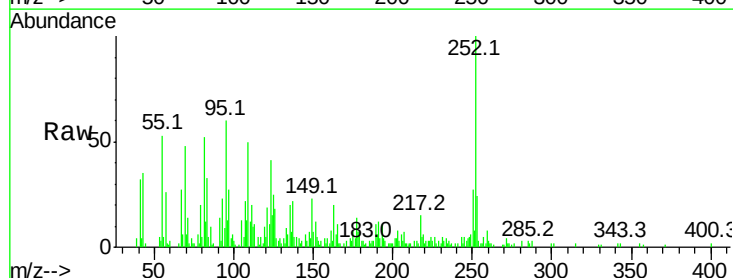
RT: 19.54 min Scan# 3070

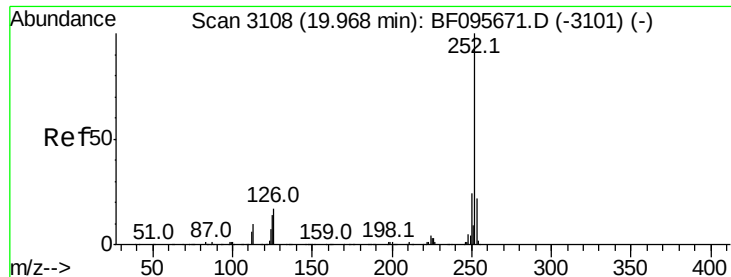
Delta R.T. -0.02 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

Tgt Ion:252	Resp:	42687
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.4 27.6
125	25.3	13.1 19.7#





#89

Benzo(a)pyrene

Concen: 2.02 ng

RT: 19.90 min Scan# 3130

Delta R.T. 0.01 min

Lab File: BF096090.D

Acq: 21 Jun 2017 18:15

Instrument :

BNA_F

ClientSampleId :

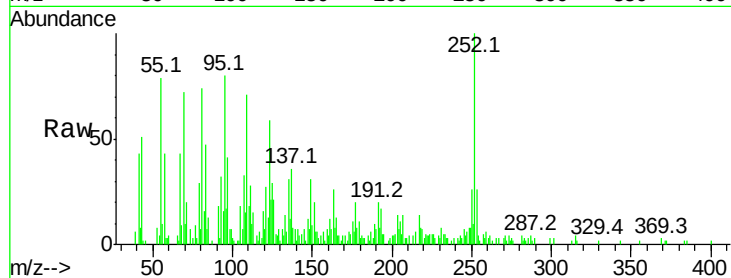
Tot Ion: 252 Resp: 15316

Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

125 29.4 11.0 16.4#



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

