

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
 Data File : BF095280.D
 Acq On : 20 May 2017 00:19
 Operator : SJ/MA
 Sample : I3177-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 02:31:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

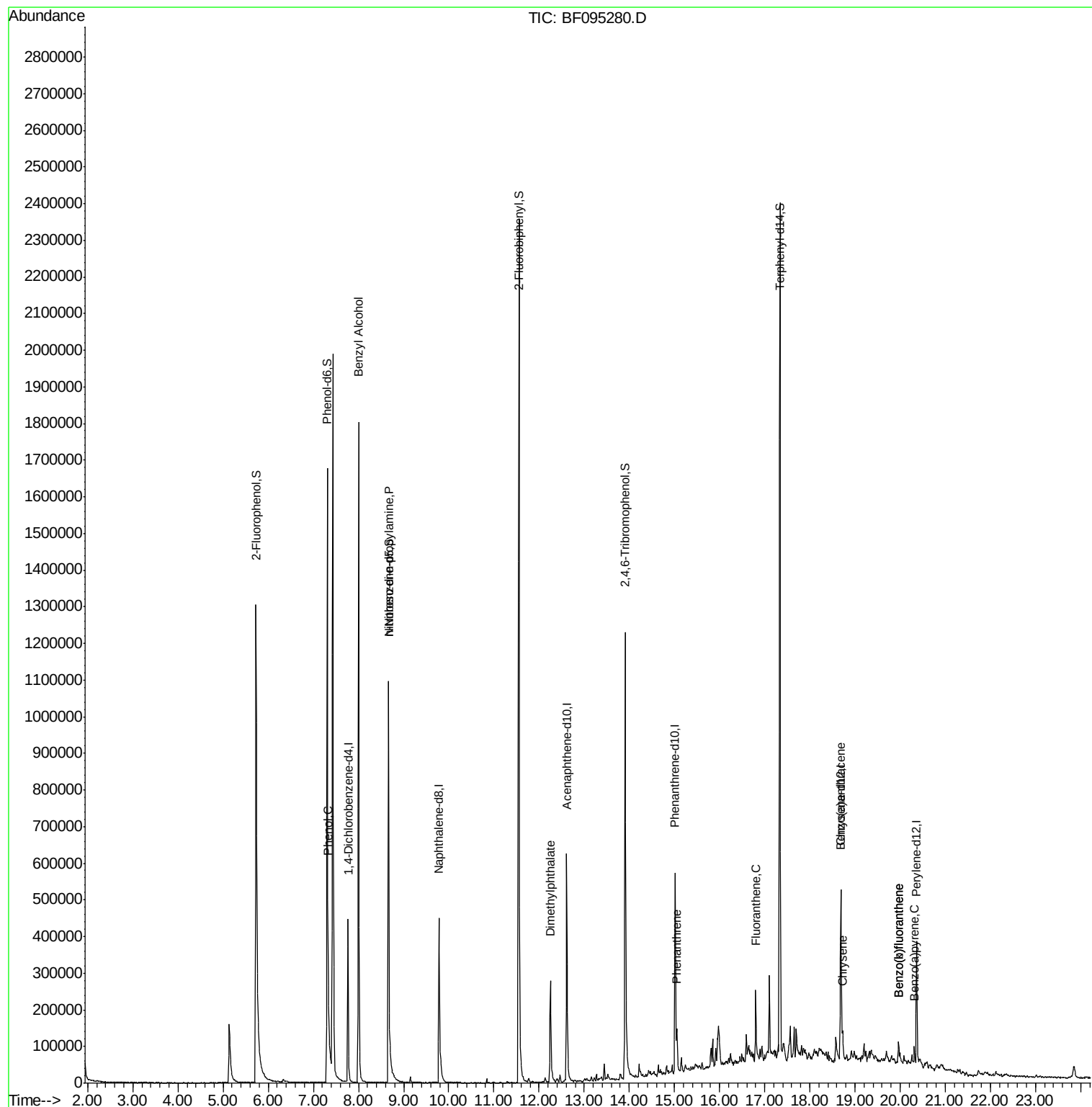
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	98535	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	426289	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	200914	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	334388	20.00	ng	-0.01
75) Chrysene-d12	18.69	240	214815	20.00	ng	0.00
86) Perylene-d12	20.37	264	172348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.73	112	884754	149.70	ng	0.00
7) Phenol-d6	7.31	99	1053601	148.58	ng	0.00
23) Nitrobenzene-d5	8.67	82	628353	92.95	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	245499	149.20	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	1200867	86.03	ng	0.00
78) Terphenyl-d14	17.34	244	933908	95.76	ng	-0.01
Target Compounds						
10) Phenol	7.32	94	21976	2.94	ng	# 61
15) Benzyl Alcohol	8.00	79	9376	2.06	ng	# 40
19) n-Nitroso-di-n-propylamine	8.67	70	74640	15.56	ng	# 75
49) Dimethylphthalate	12.25	163	223923	13.58	ng	98
70) Phenanthrene	15.05	178	66517	3.46	ng	98
74) Fluoranthene	16.80	202	119161	6.05	ng	99
80) Benzo(a)anthracene	18.68	228	44665	3.57	ng	93
82) Chrysene	18.72	228	39261	3.25	ng	# 96
87) Benzo(b)fluoranthene	19.97	252	39253	3.69	ng	# 92
88) Benzo(k)fluoranthene	19.97	252	39253	3.82	ng	97
89) Benzo(a)pyrene	20.32	252	22464	2.29	ng	98

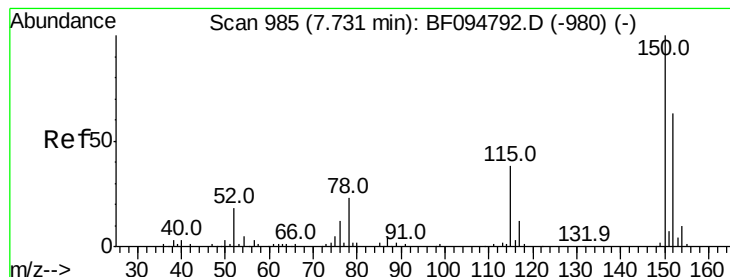
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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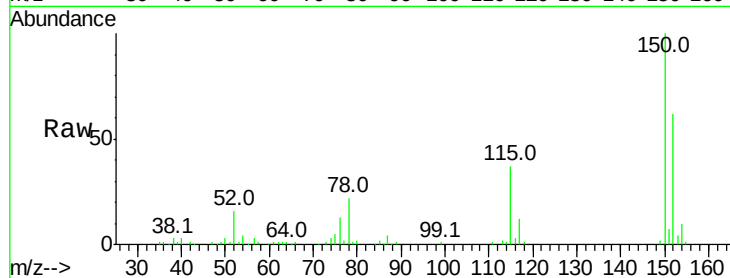


#1

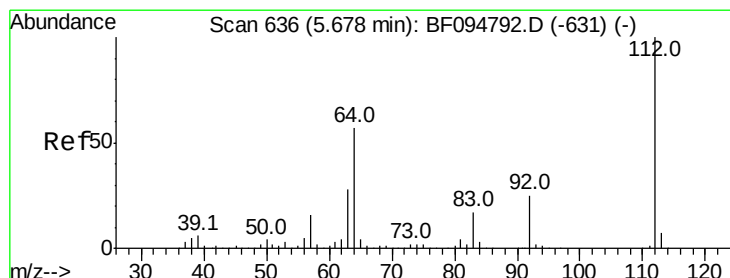
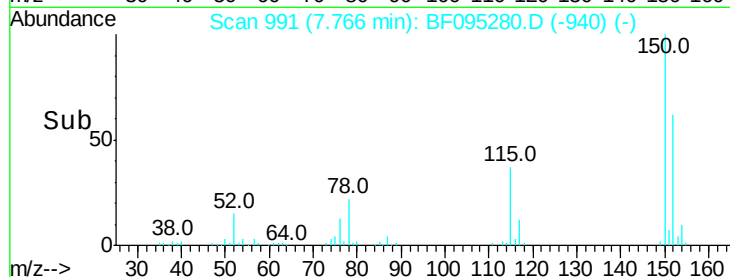
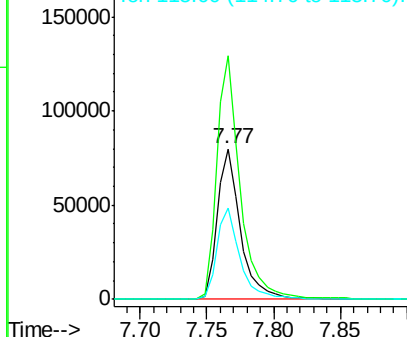
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF095280.D
Acq: 20 May 2017 00:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98535
Ion Ratio Lower Upper
152 100
150 161.6 126.2 189.2
115 60.3 52.2 78.2



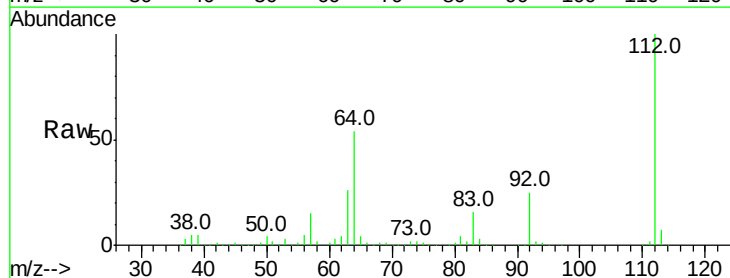
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



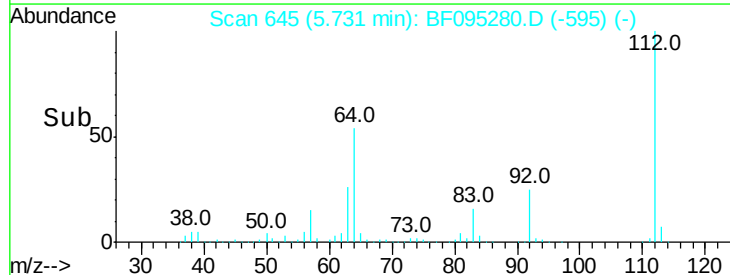
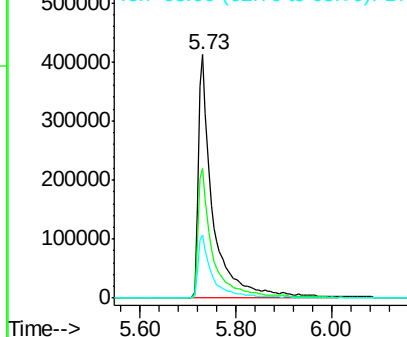
#5

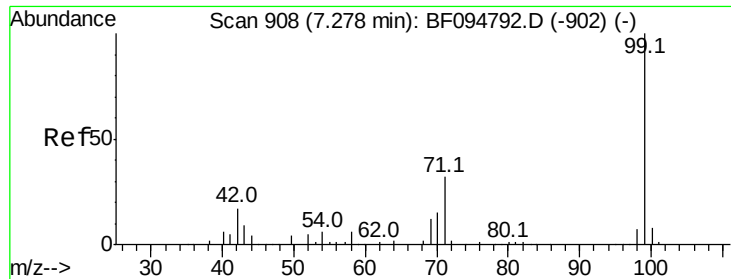
2-Fluorophenol
Concen: 149.70 ng
RT: 5.73 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF095280.D
Acq: 20 May 2017 00:19

Tgt Ion:112 Resp: 884754
Ion Ratio Lower Upper
112 100
64 53.5 46.0 69.0
63 26.0 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: 148.58 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

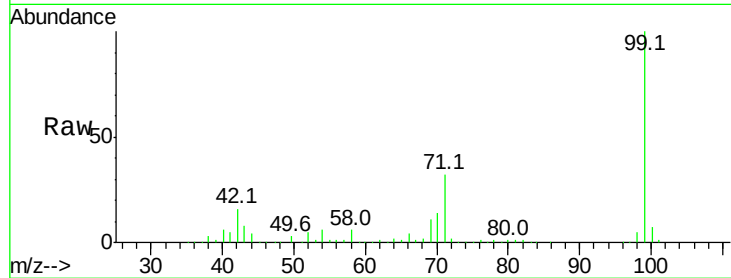
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1053601

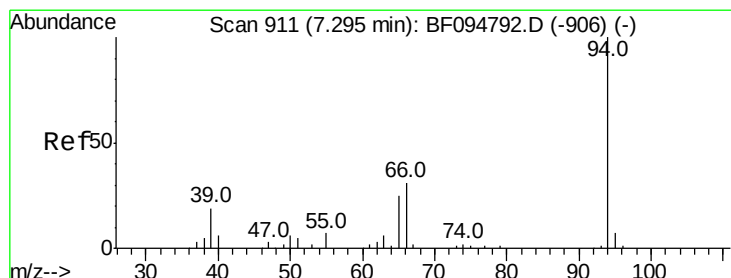
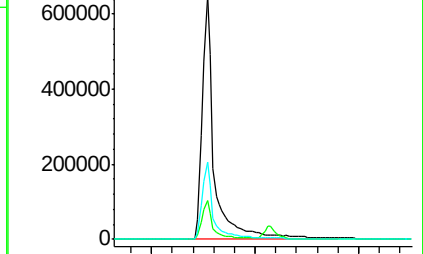
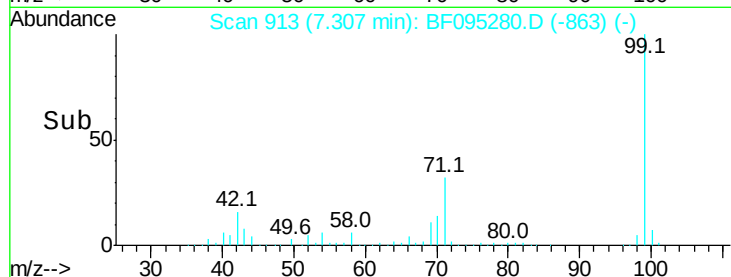
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	31.7	24.5	36.7



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: 2.94 ng

RT: 7.32 min Scan# 916

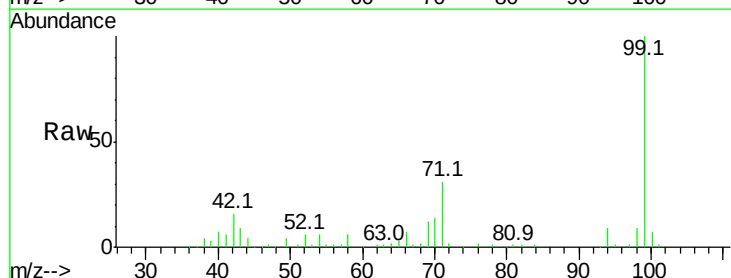
Delta R.T. -0.01 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

Tgt Ion: 94 Resp: 21976

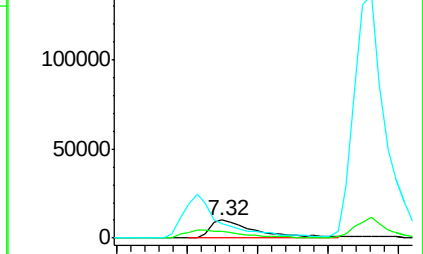
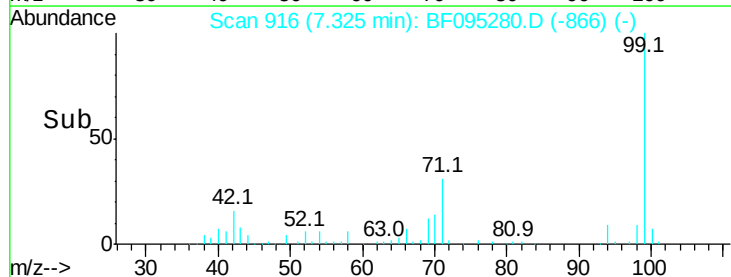
Ion	Ratio	Lower	Upper
94	100		
65	36.0	9.9	49.9
66	80.0	23.1	63.1

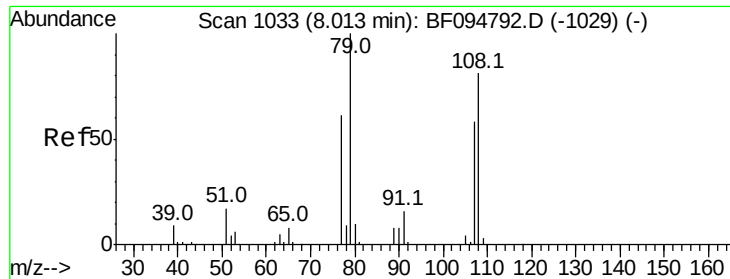


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 8.00 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

Instrument :

BNA_F

ClientSampled :

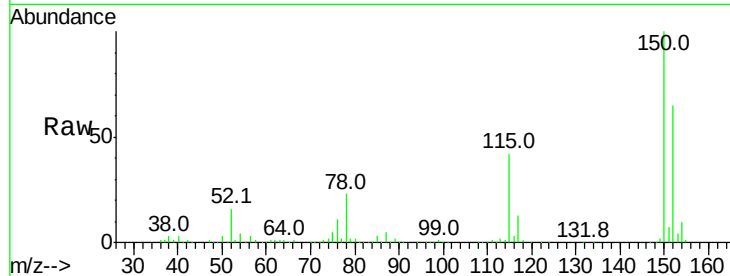
Tot Ion: 79 Resp: 9376

Ion Ratio Lower Upper

79 100

108 29.2 63.4 95.0#

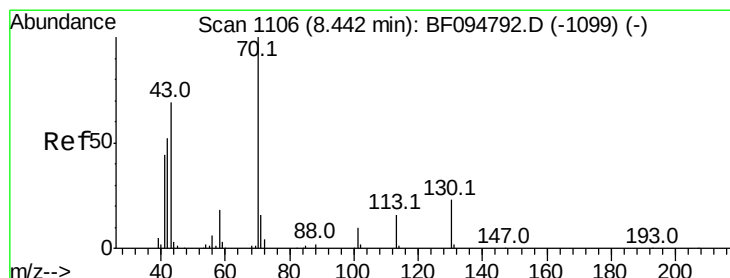
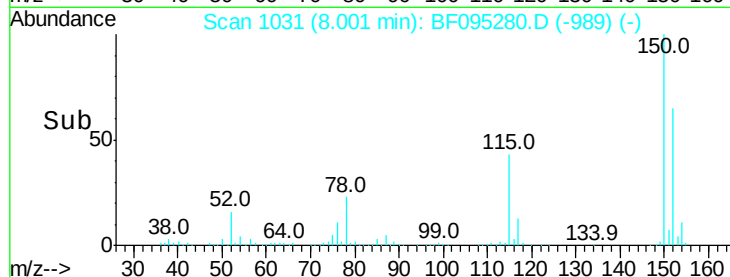
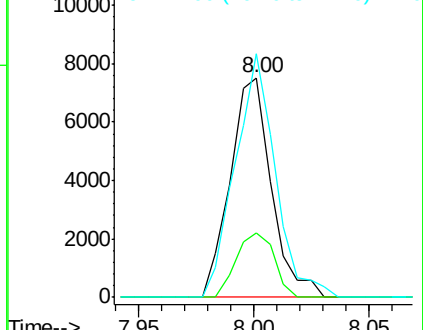
77 110.9 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.56 ng

RT: 8.67 min Scan# 1144

Delta R.T. 0.19 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

Tgt Ion: 70 Resp: 74640

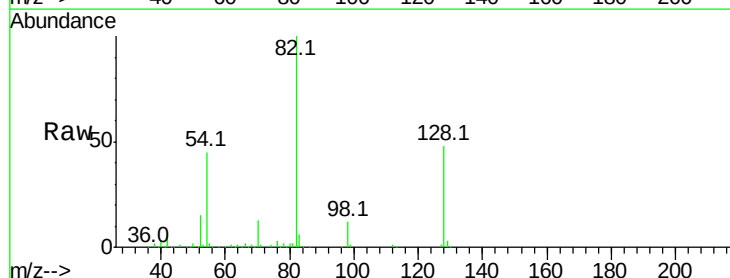
Ion Ratio Lower Upper

70 100

42 43.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

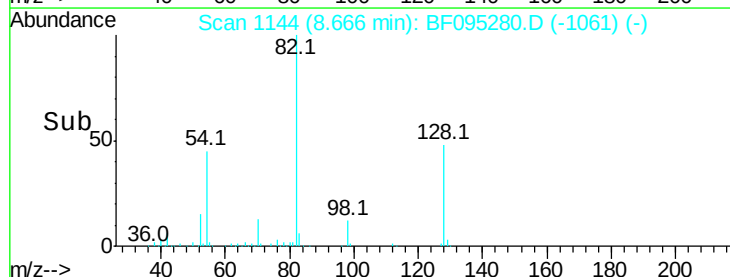
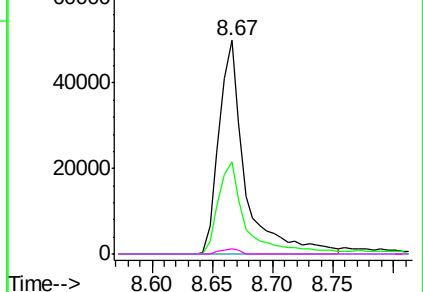


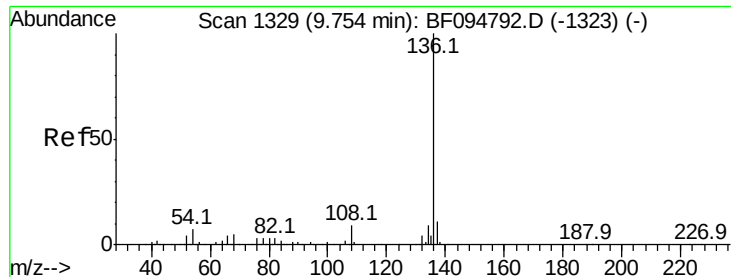
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

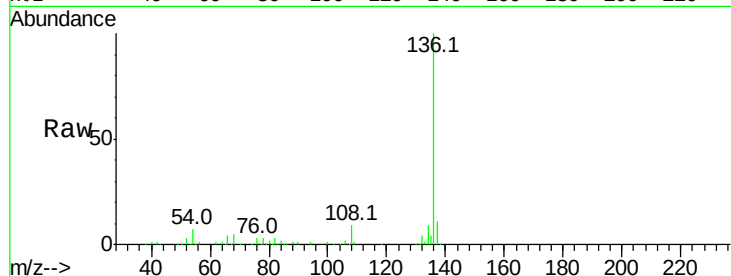




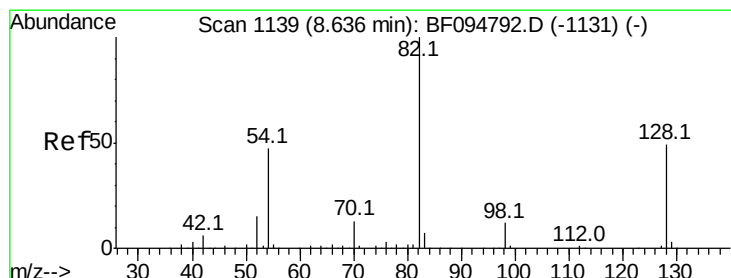
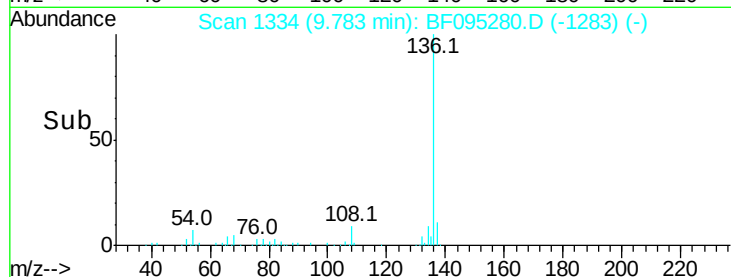
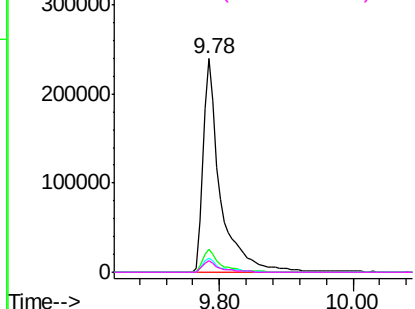
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.78 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF095280.D
Acq: 20 May 2017 00:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	426289
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	6.7	4.9 7.3
68	5.3	4.1 6.1

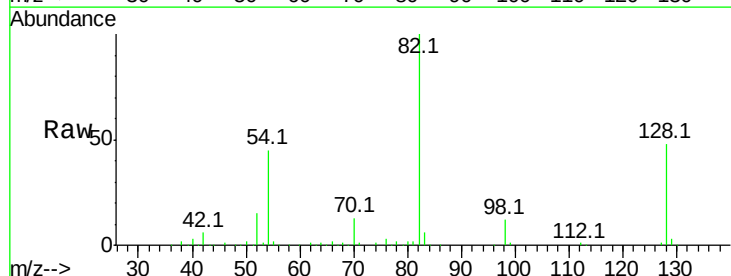


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

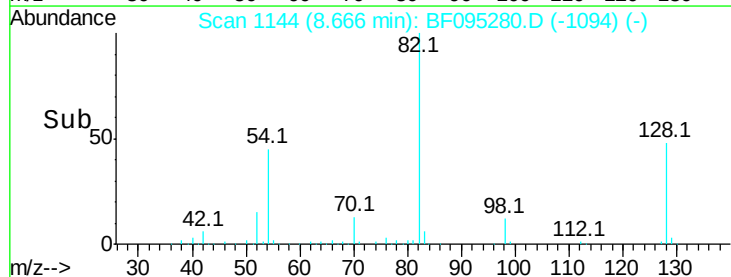
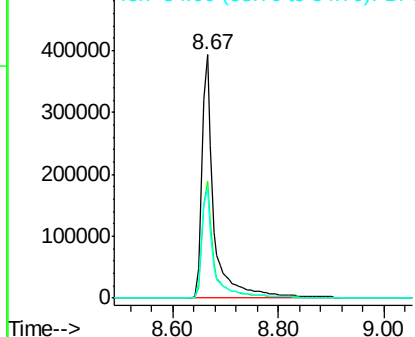


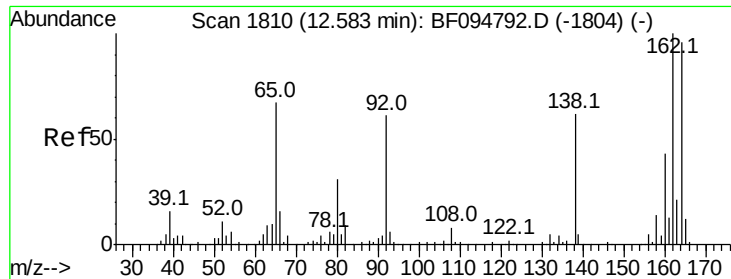
#23
Nitrobenzene-d5
Concen: 92.95 ng
RT: 8.67 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF095280.D
Acq: 20 May 2017 00:19

Tgt Ion: 82	Resp:	628353
Ion Ratio	Lower	Upper
82	100	
128	48.0	34.0 51.0
54	44.8	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.61 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

Instrument :

BNA_F

ClientSampleId :

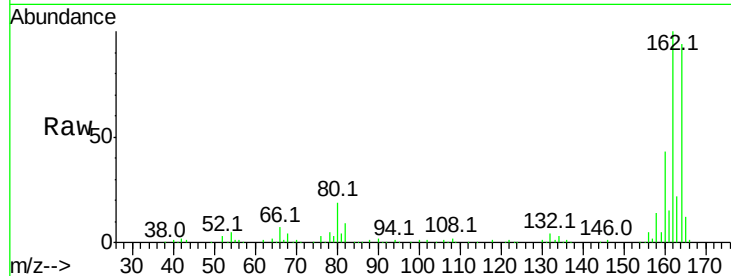
Tot Ion:164 Resp: 200914

Ion Ratio Lower Upper

164 100

162 106.9 82.6 123.8

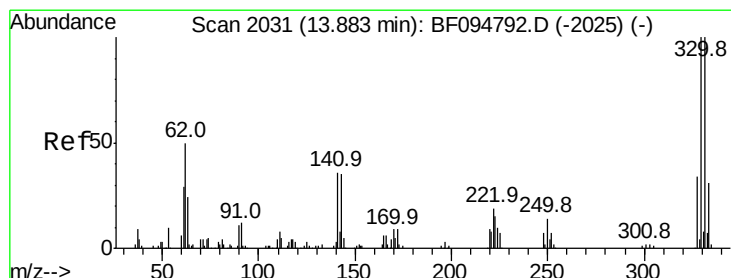
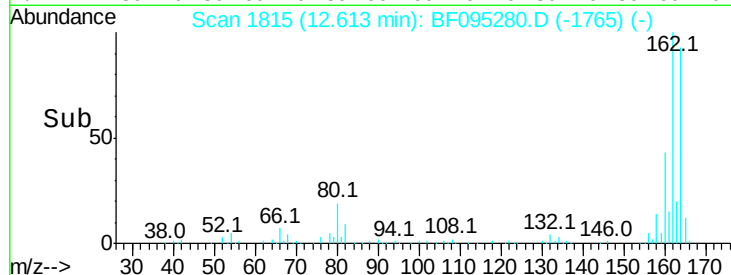
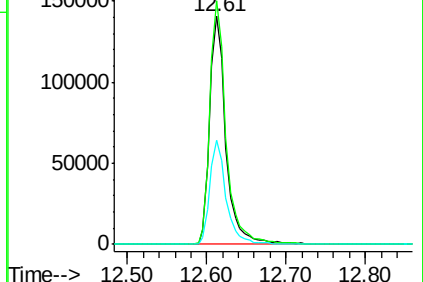
160 45.7 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 149.20 ng

RT: 13.91 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

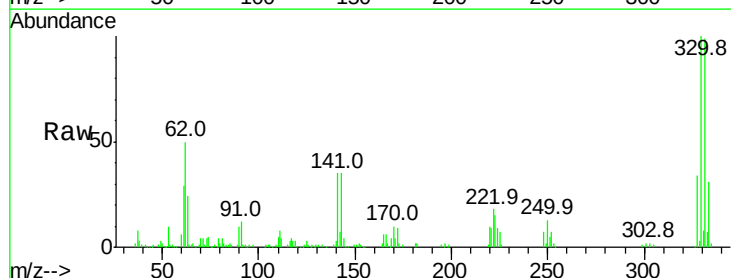
Tgt Ion:330 Resp: 245499

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

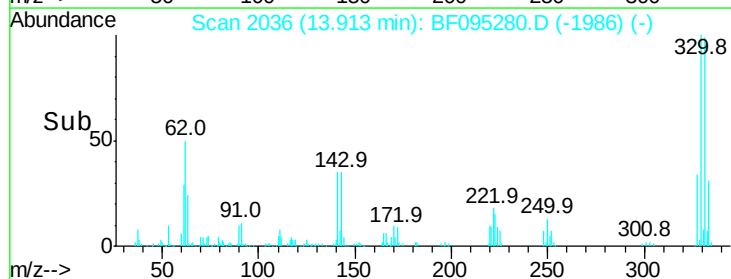
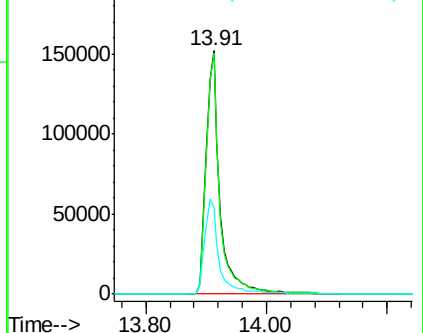
141 39.6 31.4 47.2

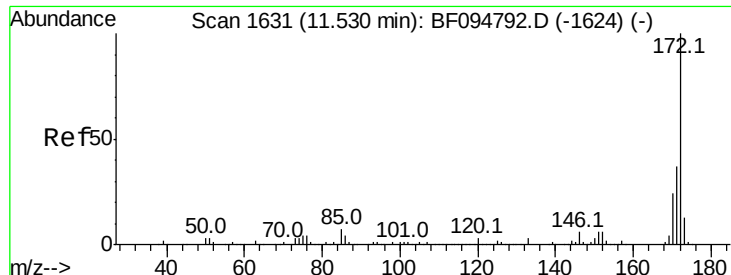


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

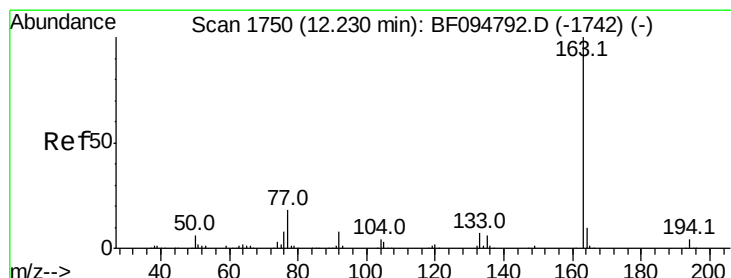
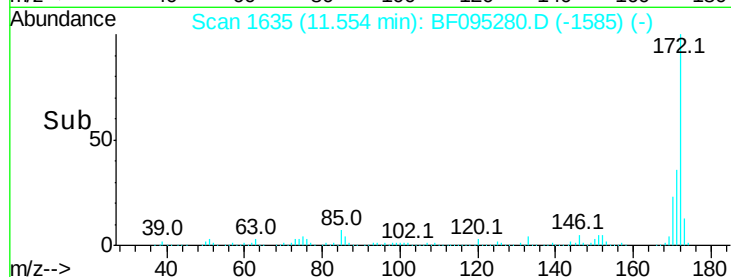
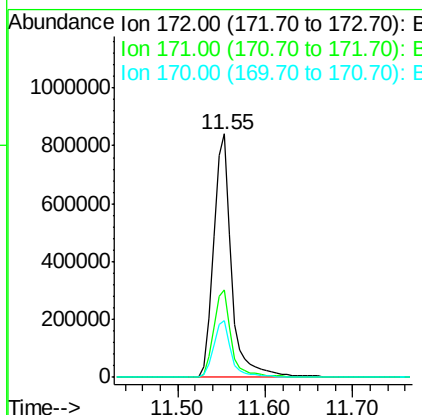
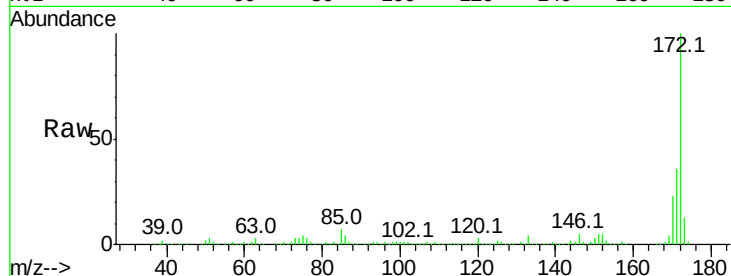




#44
2-Fluorobiphenyl
Concen: 86.03 ng
RT: 11.55 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BF095280.D
Acq: 20 May 2017 00:19

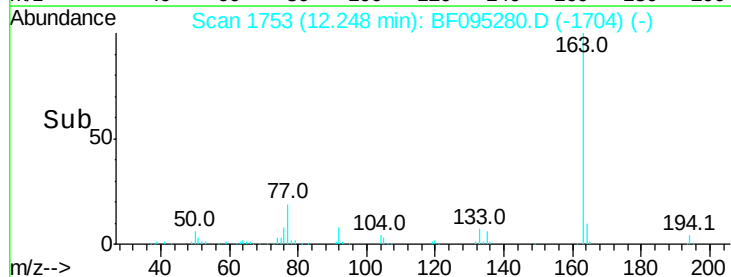
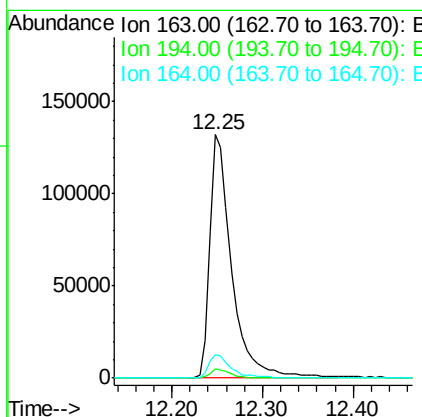
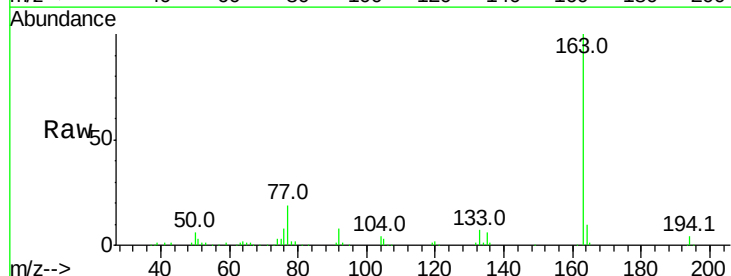
Instrument :
BNA_F
ClientSampleId :

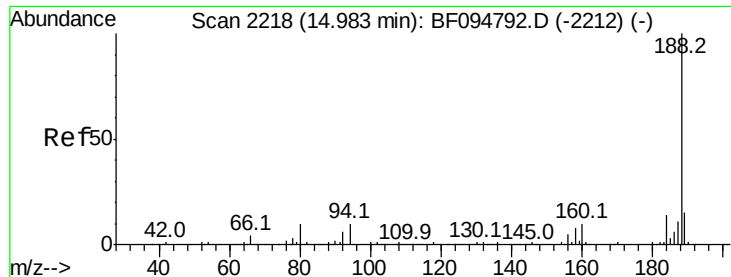
Tot Ion:172 Resp: 1200867
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 13.58 ng
RT: 12.25 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF095280.D
Acq: 20 May 2017 00:19

Tgt Ion:163 Resp: 223923
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.8 8.4 12.6

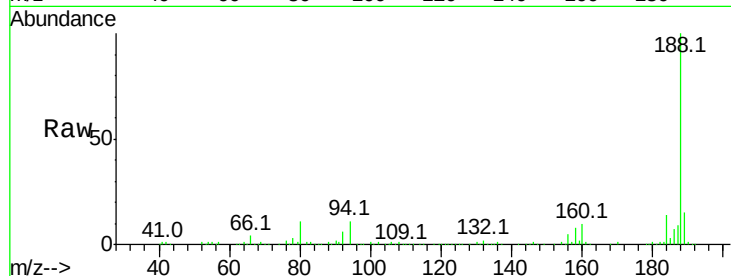




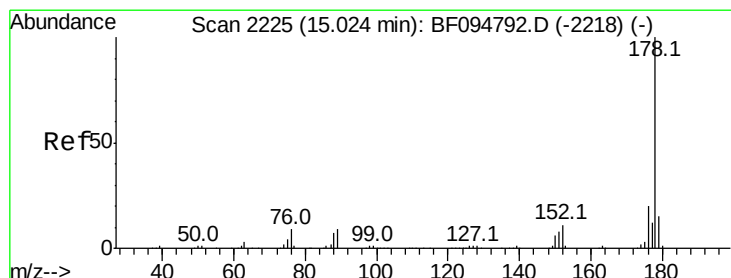
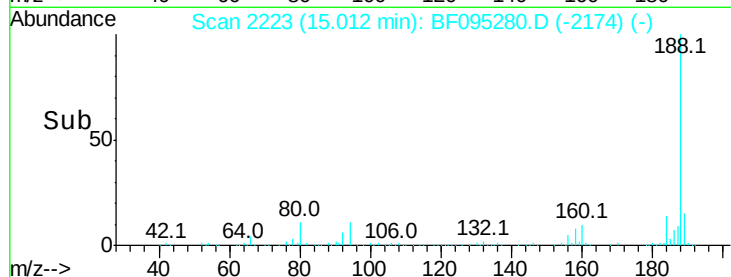
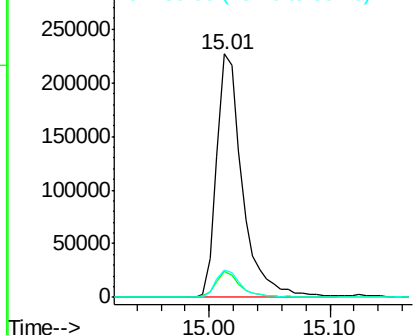
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF095280.D
 Acq: 20 May 2017 00:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 334388
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.4 14.2
 80 11.0 10.2 15.2

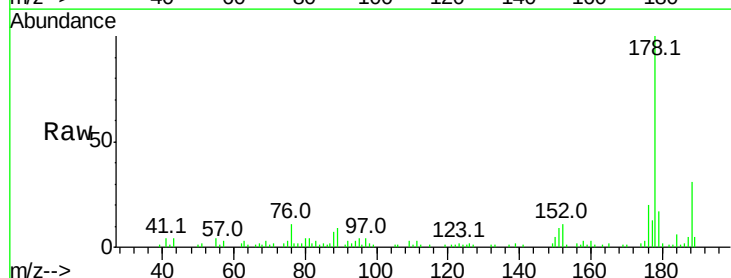


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

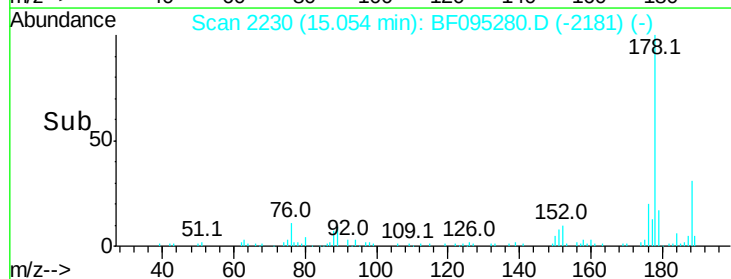
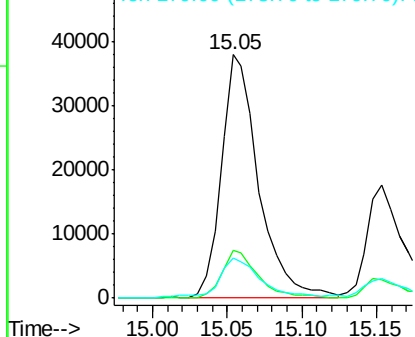


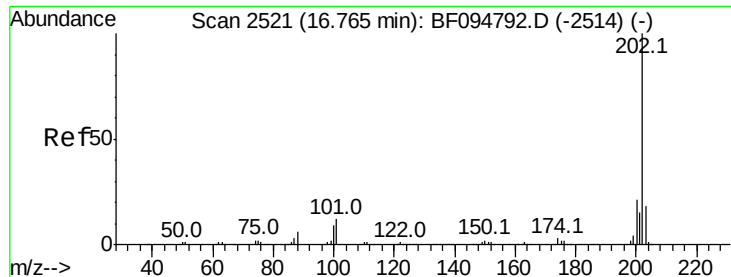
#70
 Phenanthrene
 Concen: 3.46 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF095280.D
 Acq: 20 May 2017 00:19

Tgt Ion:178 Resp: 66517
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 16.6 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: 6.05 ng

RT: 16.80 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

Instrument :

BNA_F

ClientSampled :

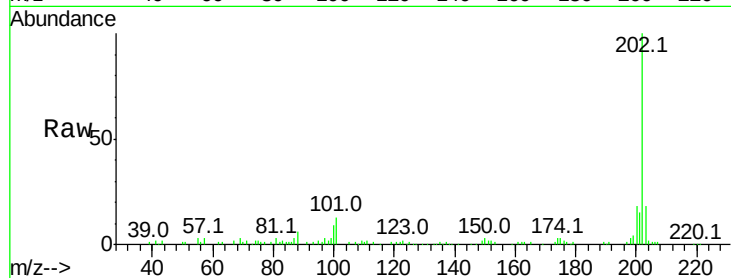
Tot Ion:202 Resp: 119161

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

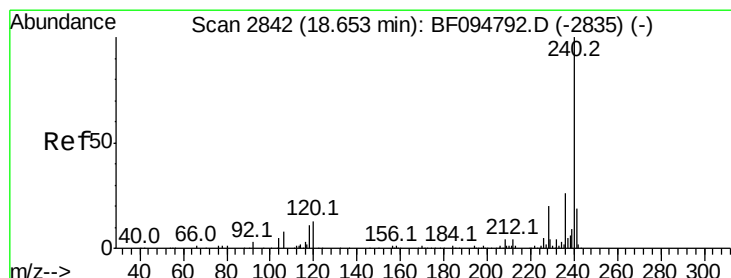
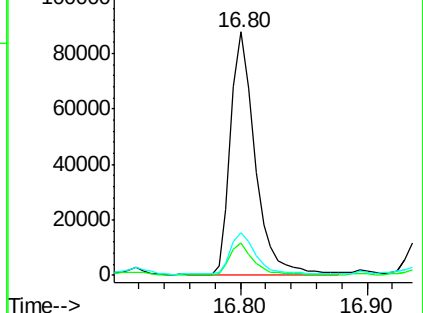
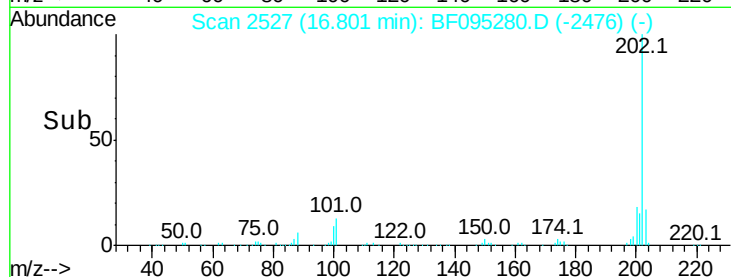
203 17.7 0.0 38.1



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: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

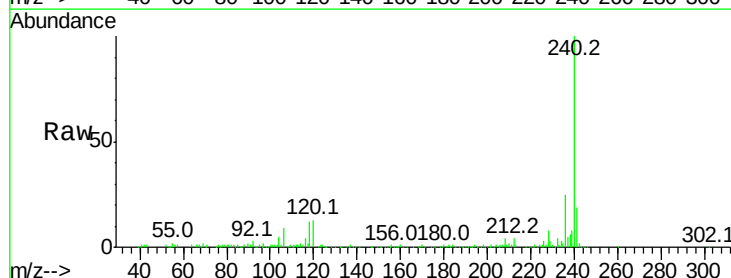
Tgt Ion:240 Resp: 214815

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

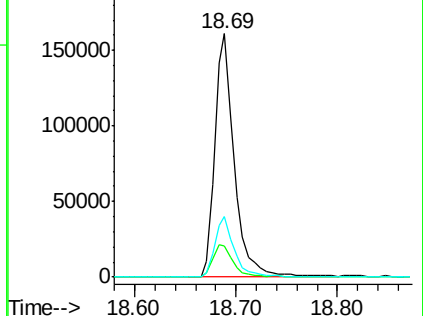
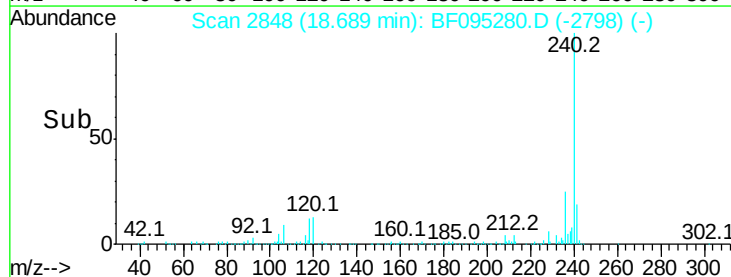
236 24.7 20.5 30.7

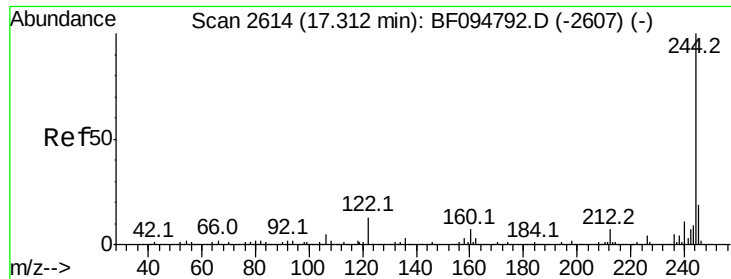


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 95.76 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

Instrument :

BNA_F

ClientSampled :

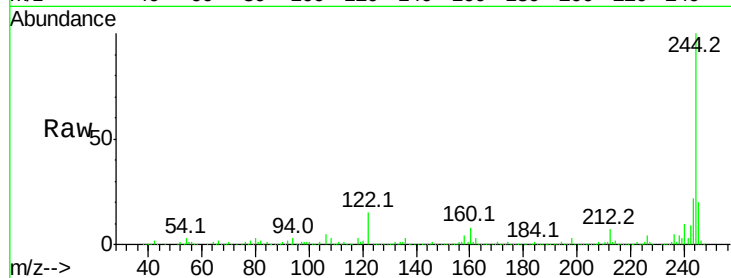
Tot Ion:244 Resp: 933908

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

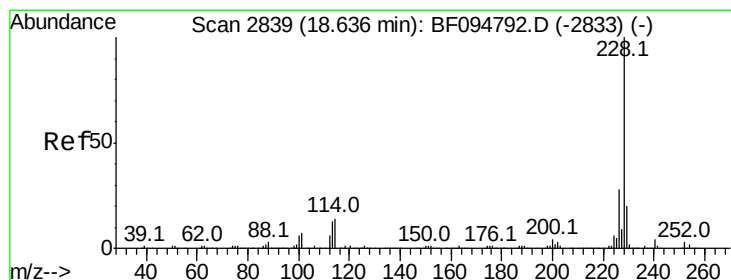
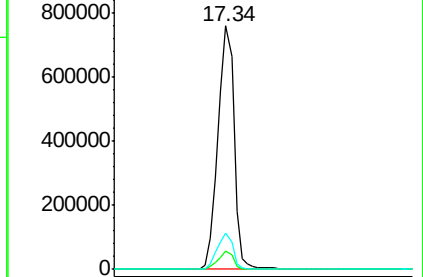
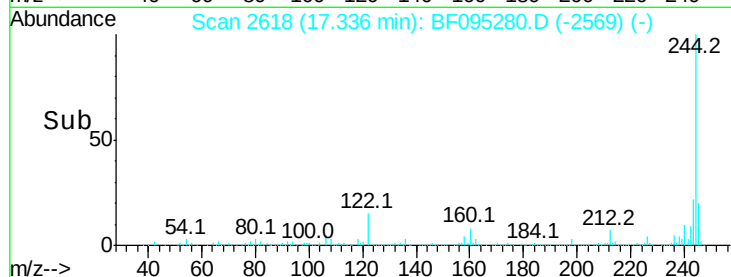
122 14.7 10.3 15.5



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: 3.57 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

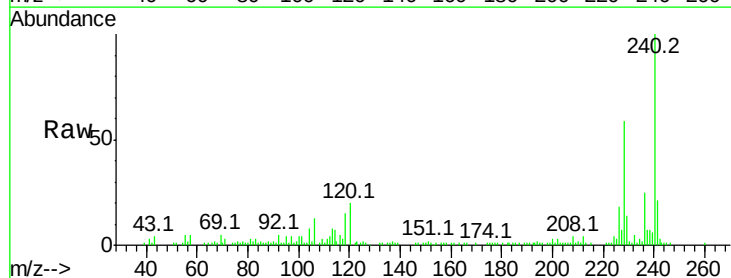
Tgt Ion:228 Resp: 44665

Ion Ratio Lower Upper

228 100

226 31.5 22.6 33.8

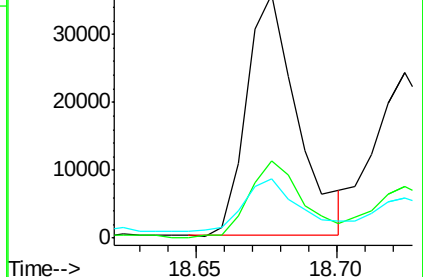
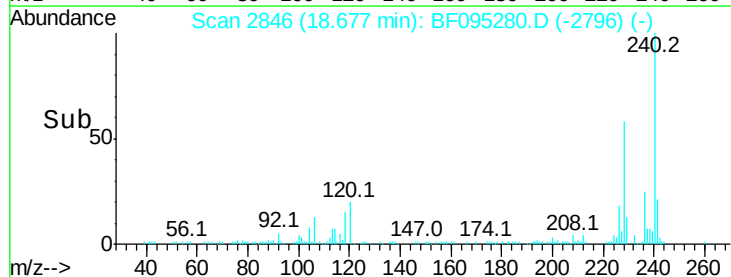
229 24.4 16.3 24.5

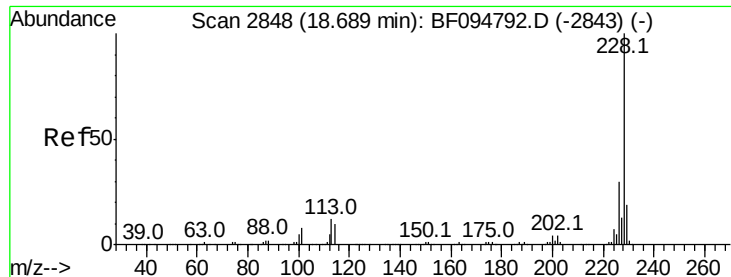


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

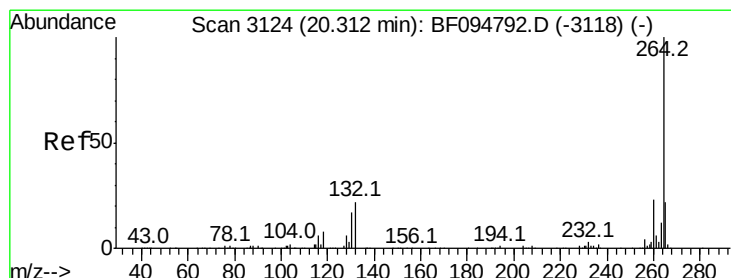
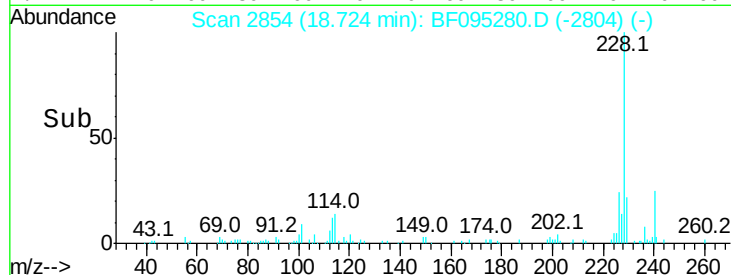
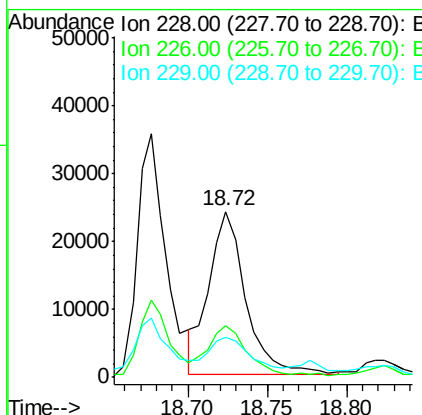
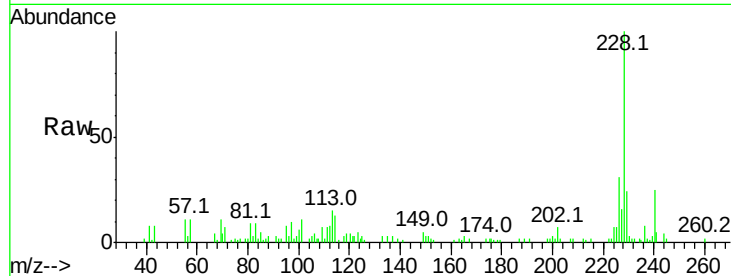




#82
Chrysene
Concen: 3.25 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095280.D
Acq: 20 May 2017 00:19

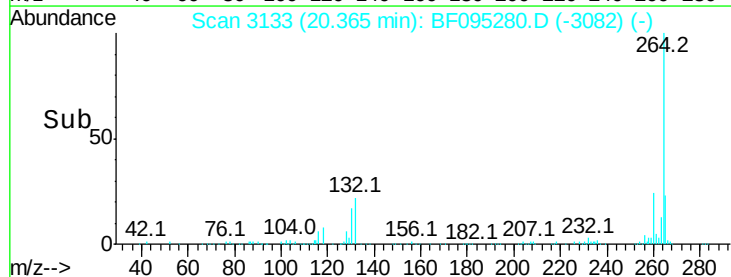
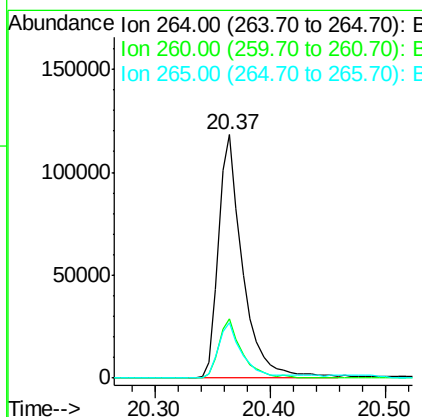
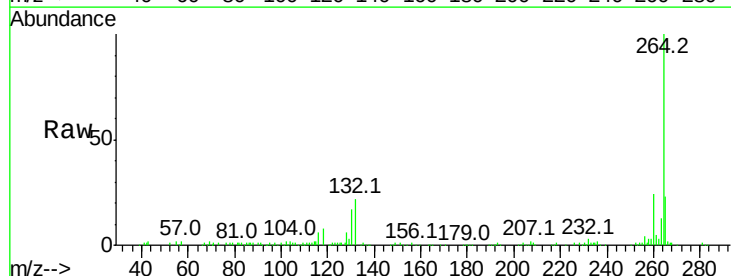
Instrument :
BNA_F
ClientSampled :

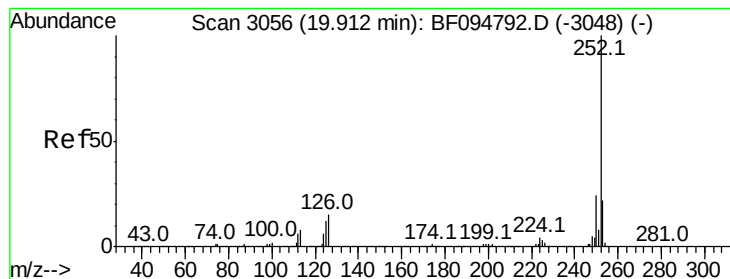
Tot Ion:228 Resp: 39261
Ion Ratio Lower Upper
228 100
226 31.4 24.9 37.3
229 23.9 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095280.D
Acq: 20 May 2017 00:19

Tgt Ion:264 Resp: 172348
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.69 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.01 min

Lab File: BF095280.D

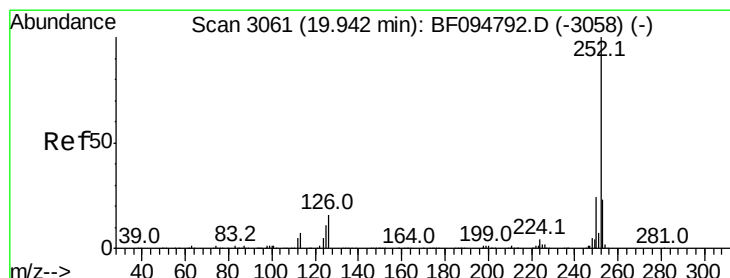
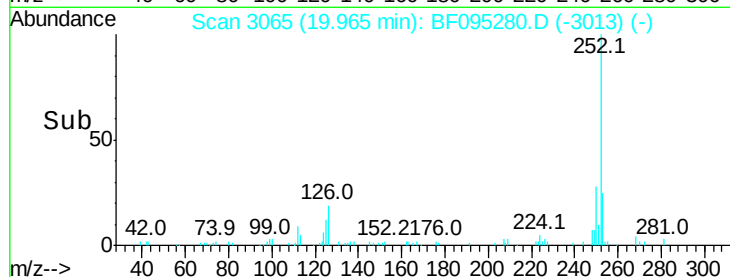
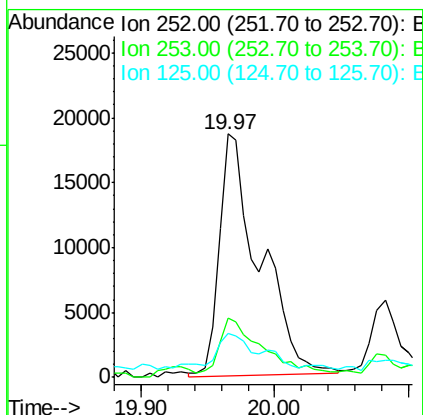
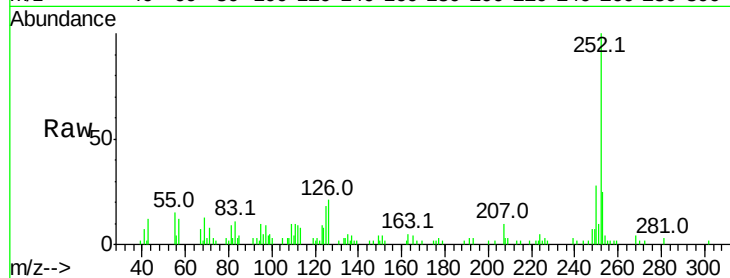
Acq: 20 May 2017 00:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	39253
Ion Ratio	Lower	Upper
252	100	
253	24.6	18.1 27.1
125	17.9	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 3.82 ng

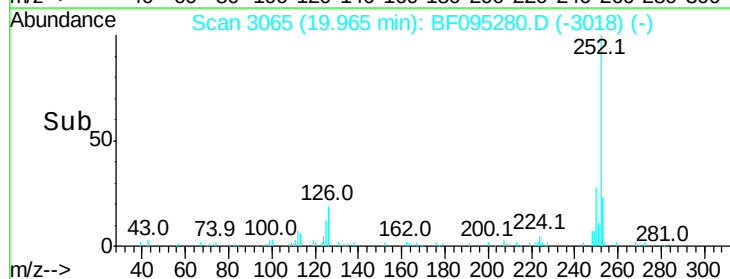
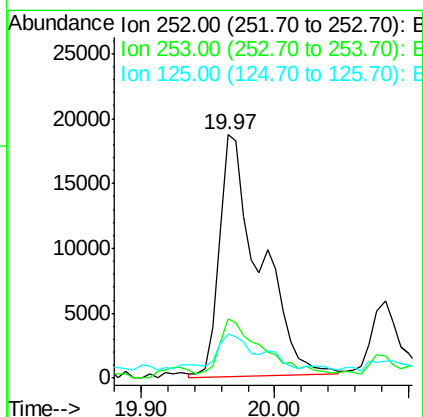
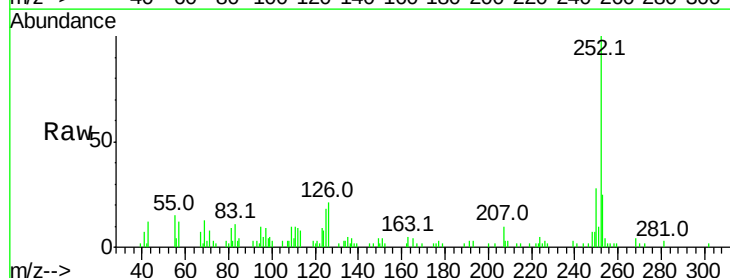
RT: 19.97 min Scan# 3065

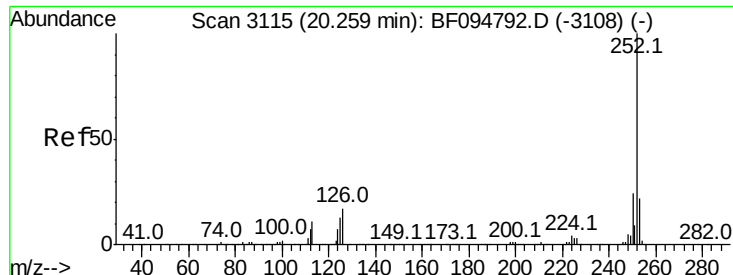
Delta R.T. -0.02 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

Tgt Ion:252	Resp:	39253
Ion Ratio	Lower	Upper
252	100	
253	24.6	18.4 27.6
125	17.9	13.1 19.7





#89

Benzo(a)pyrene

Concen: 2.29 ng

RT: 20.32 min Scan# 3125

Delta R.T. 0.01 min

Lab File: BF095280.D

Acq: 20 May 2017 00:19

Instrument :

BNA_F

ClientSampleId :

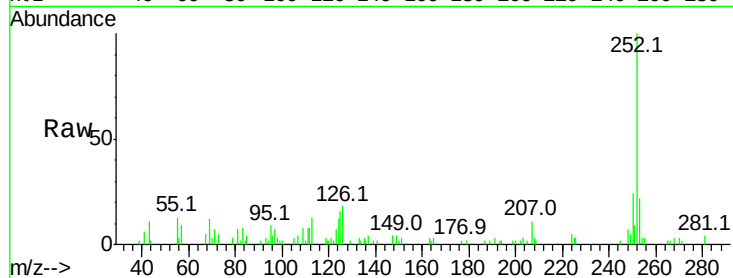
Tot Ion:252 Resp: 22464

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 15.5 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

