

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
 Data File : BF095327.D
 Acq On : 22 May 2017 22:10
 Operator : SJ/MA
 Sample : I3278-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 23 01:22:54 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

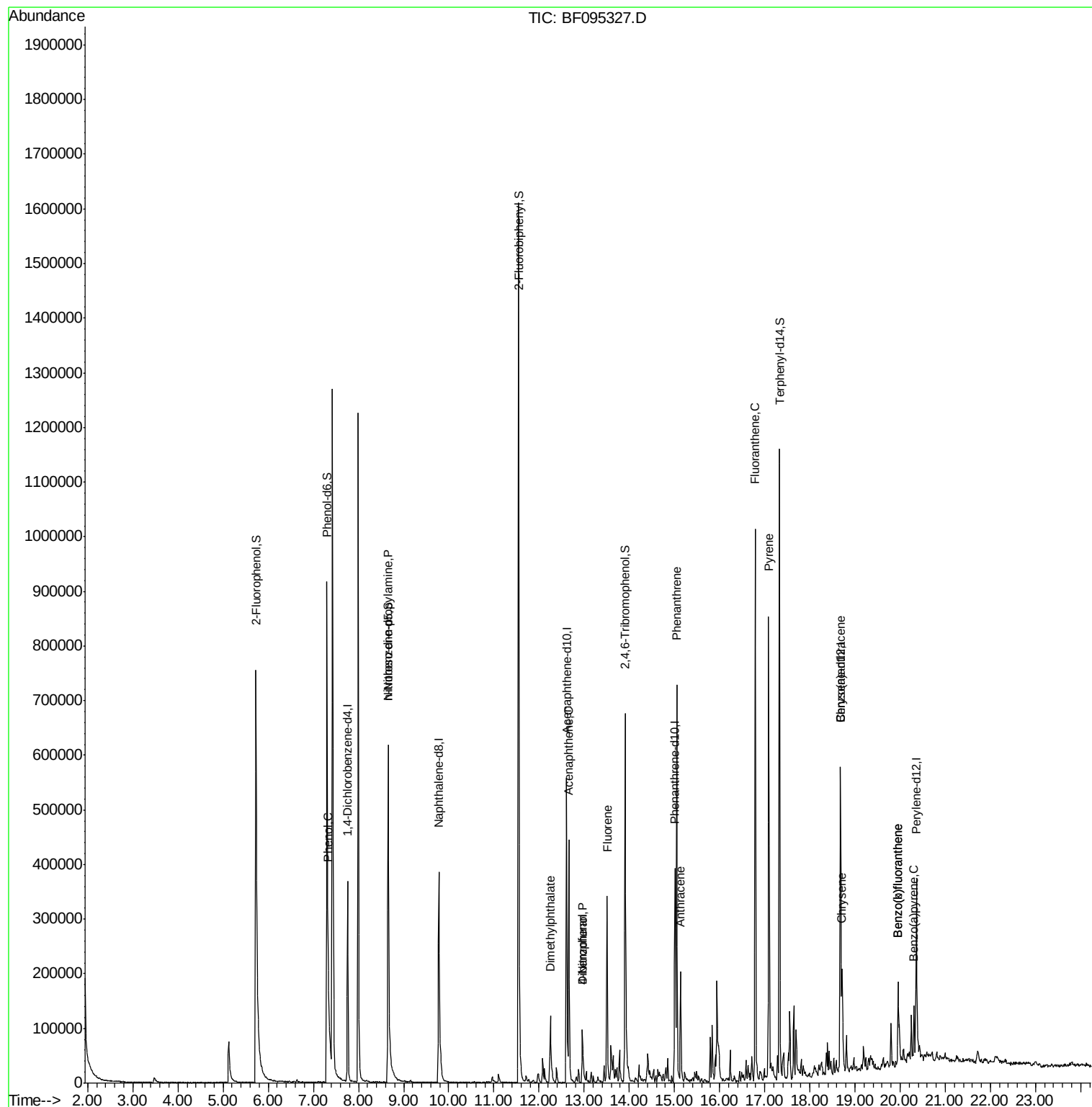
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	87286	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	376940	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	164856	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	216020	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	203146	20.00	ng	-0.01
86) Perylene-d12	20.36	264	165937	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	557275	106.44	ng	-0.01
7) Phenol-d6	7.30	99	711751	113.31	ng	-0.01
23) Nitrobenzene-d5	8.66	82	420176	70.29	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	123861	91.74	ng	-0.01
44) 2-Fluorobiphenyl	11.55	172	800673	69.91	ng	-0.01
78) Terphenyl-d14	17.33	244	466721	50.60	ng	-0.02
Target Compounds						Qvalue
10) Phenol	7.32	94	14250	2.15	ng	# 38
19) n-Nitroso-di-n-propylamine	8.66	70	49100	11.56	ng	# 73
49) Dimethylphthalate	12.25	163	98265	7.26	ng	99
51) Acenaphthene	12.66	154	149464	14.25	ng	99
54) Dibenzofuran	12.96	168	76419	5.27	ng	95
55) 4-Nitrophenol	12.96	139	26562	14.92	ng	# 25
57) Fluorene	13.51	166	148031	11.73	ng	100
70) Phenanthrene	15.05	178	406314	32.74	ng	98
71) Anthracene	15.14	178	129751	10.23	ng	96
74) Fluoranthene	16.79	202	533557	41.91	ng	99
77) Pyrene	17.09	202	379329	24.97	ng	96
80) Benzo(a)anthracene	18.67	228	118072	9.99	ng	96
82) Chrysene	18.72	228	114662	10.03	ng	97
87) Benzo(b)fluoranthene	19.95	252	116780	11.39	ng	96
88) Benzo(k)fluoranthene	19.95	252	116780	11.81	ng	97
89) Benzo(a)pyrene	20.31	252	40503	4.28	ng	95

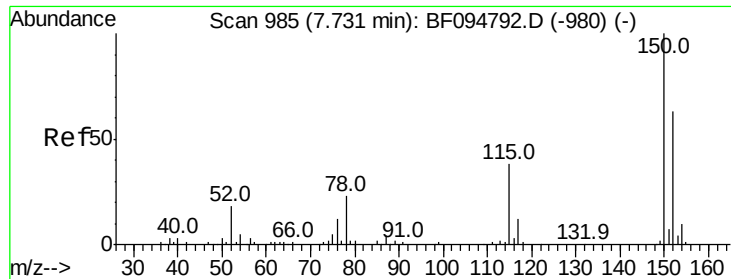
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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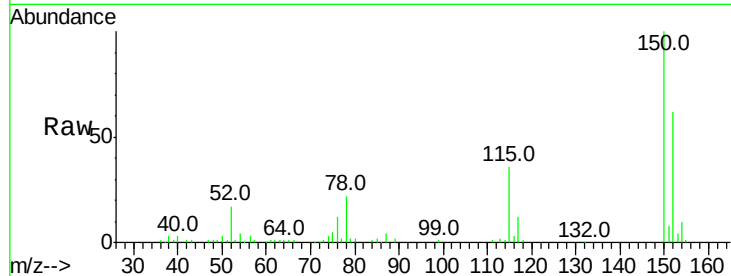


#1

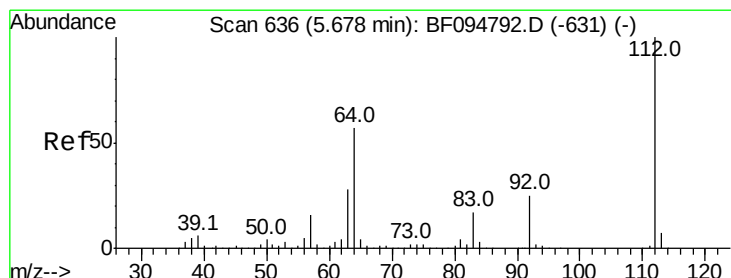
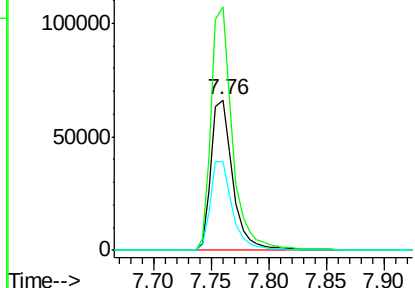
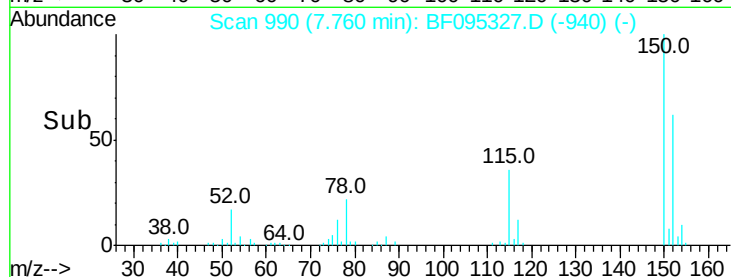
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 87286
Ion Ratio Lower Upper
152 100
150 162.1 126.2 189.2
115 58.7 52.2 78.2



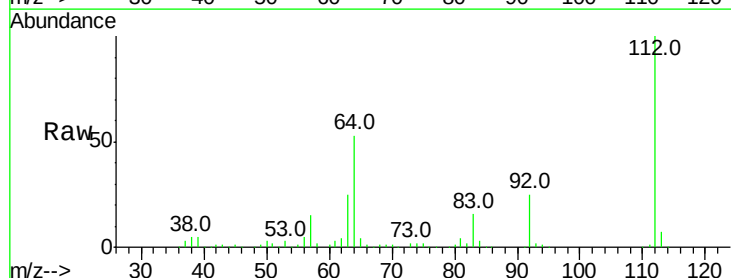
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



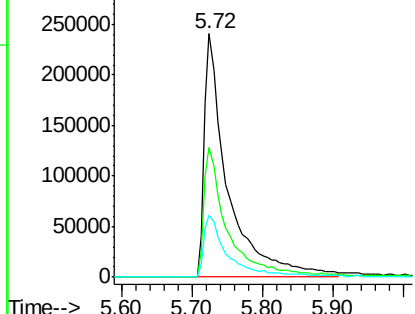
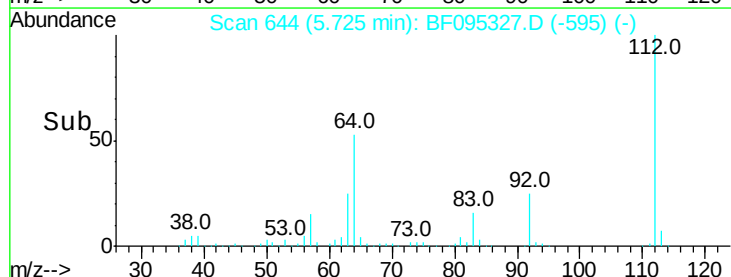
#5

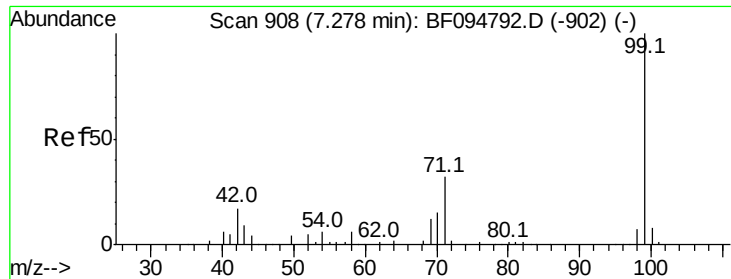
2-Fluorophenol
Concen: 106.44 ng
RT: 5.72 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Tgt Ion:112 Resp: 557275
Ion Ratio Lower Upper
112 100
64 53.3 46.0 69.0
63 25.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.31 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Instrument :

BNA_F

ClientSampled :

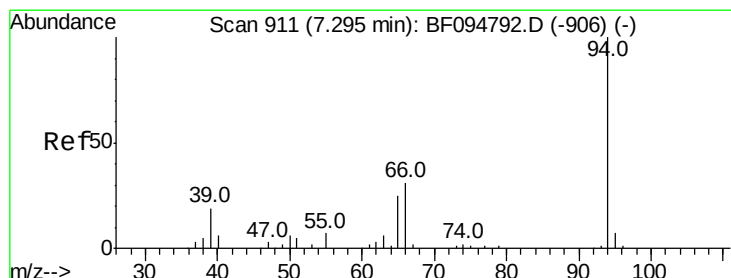
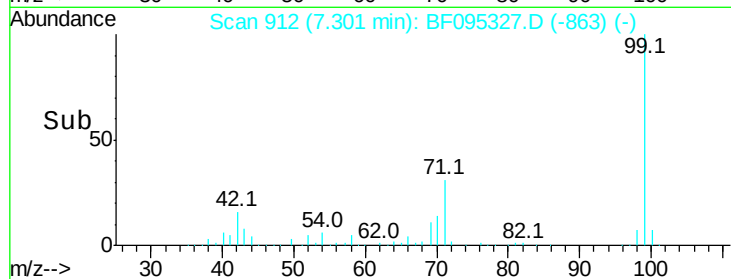
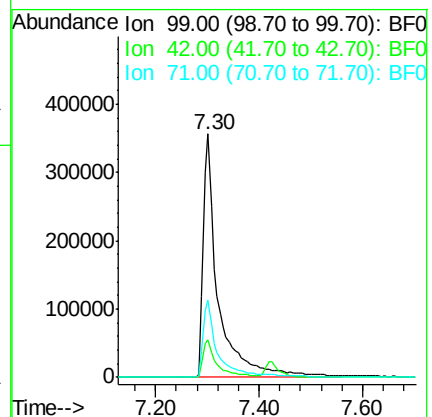
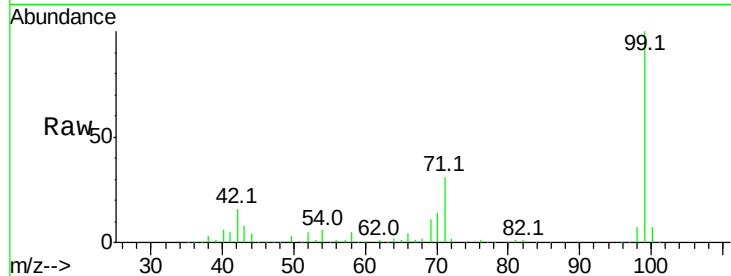
Tot Ion: 99 Resp: 711751

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

71 31.5 24.5 36.7



#10

Phenol

Concen: 2.15 ng

RT: 7.32 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

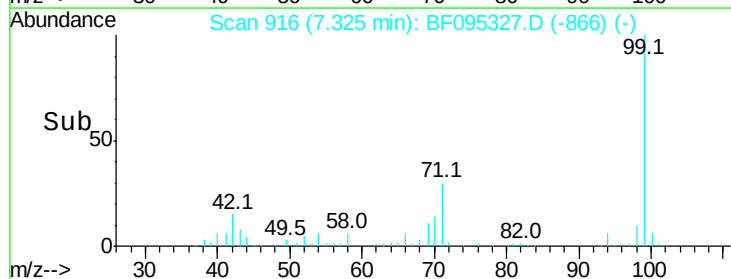
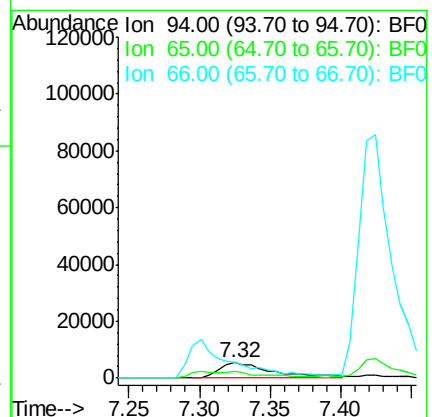
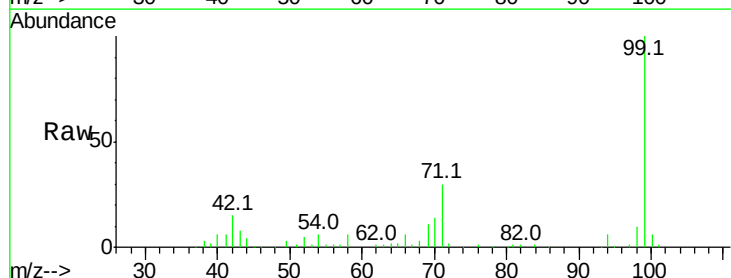
Tgt Ion: 94 Resp: 14250

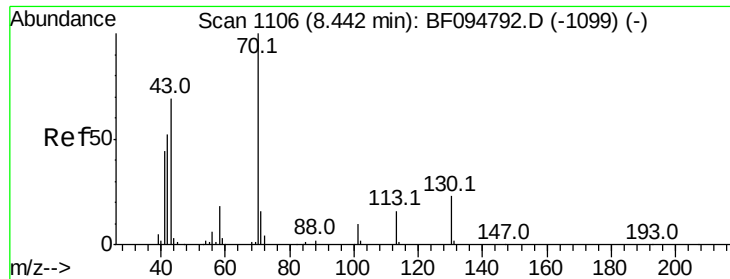
Ion Ratio Lower Upper

94 100

65 40.2 9.9 49.9

66 102.1 23.1 63.1#

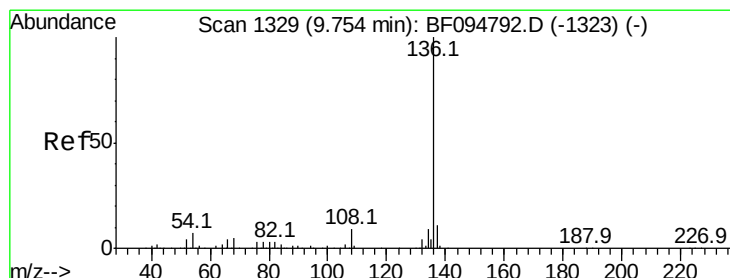
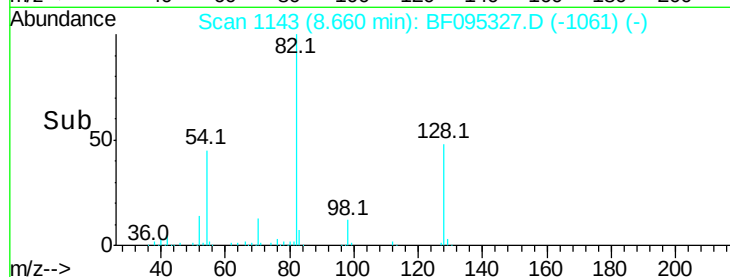
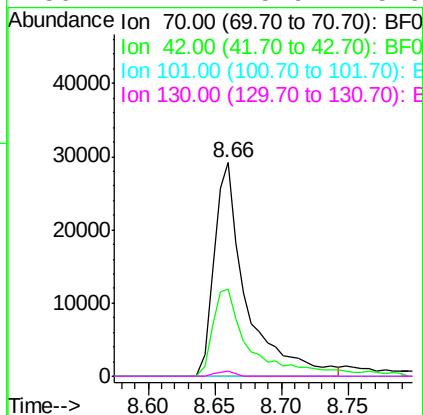
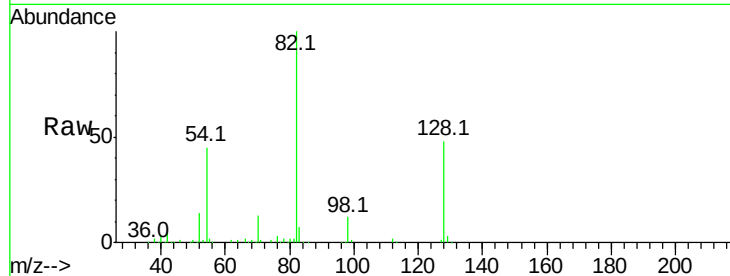




#19
n-Nitroso-di-n-propylamine
Concen: 11.56 ng
RT: 8.66 min Scan# 1143
Delta R.T. 0.18 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

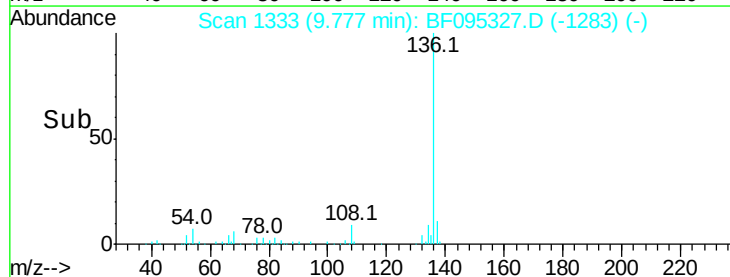
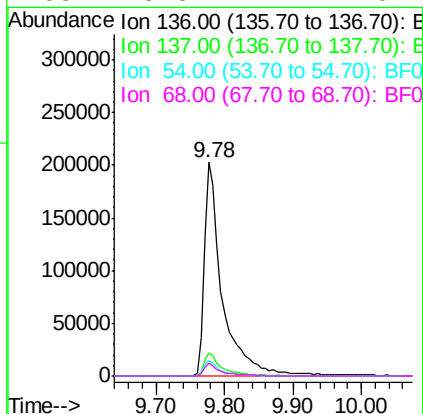
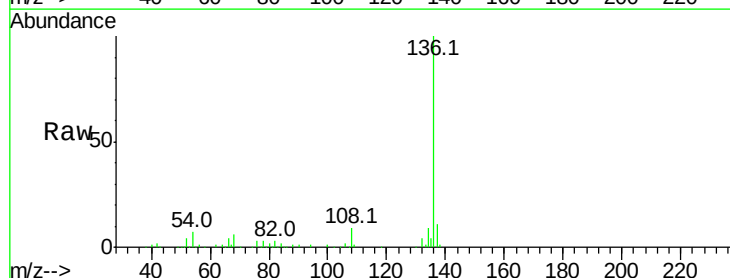
Instrument :
BNA_F
ClientSampleId :

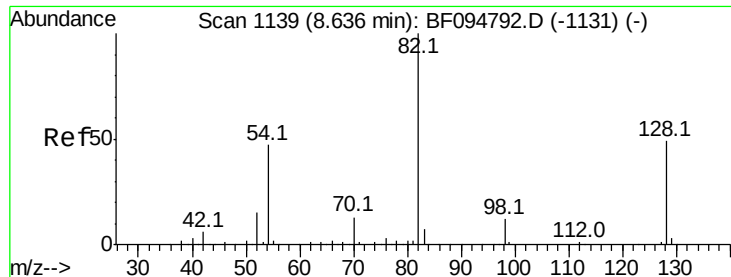
Tot Ion: 70 Resp: 49100
Ion Ratio Lower Upper
70 100
42 41.0 47.2 70.8#
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.78 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Tgt Ion: 136 Resp: 376940
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 7.1 4.9 7.3
68 5.8 4.1 6.1

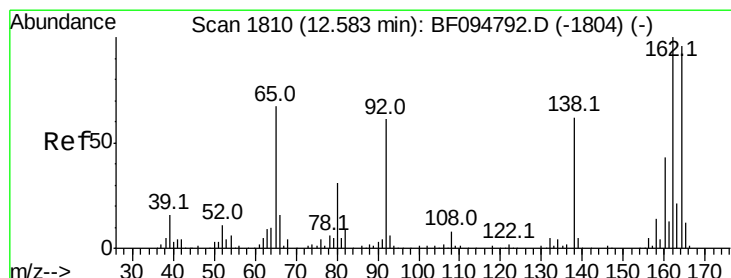
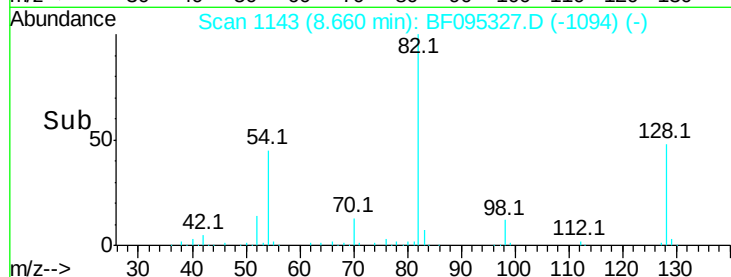
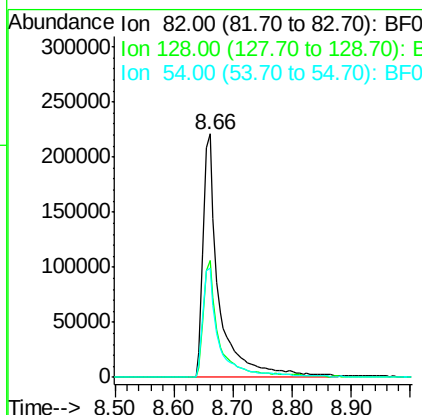
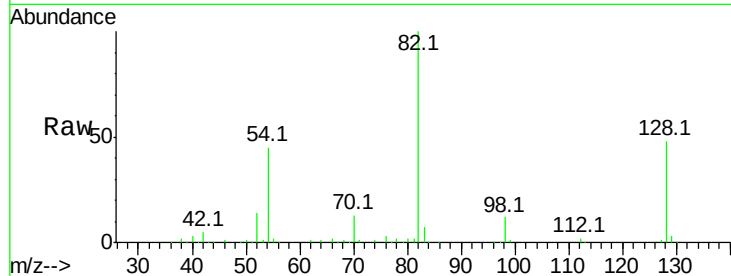




#23
 Nitrobenzene-d5
 Concen: 70.29 ng
 RT: 8.66 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

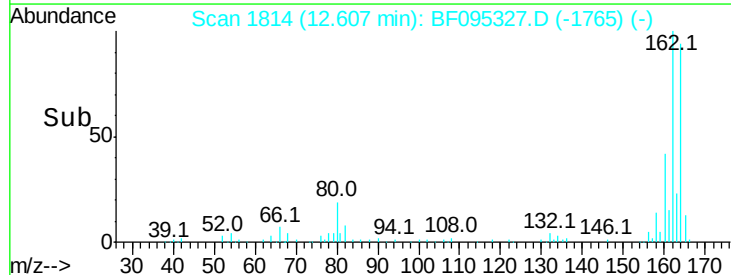
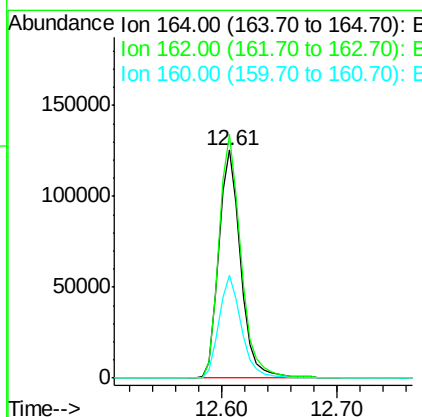
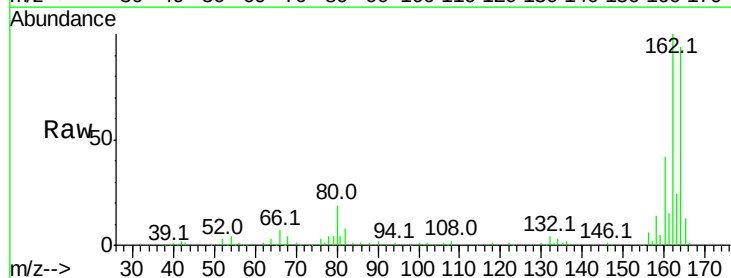
Instrument :
 BNA_F
 ClientSampled :

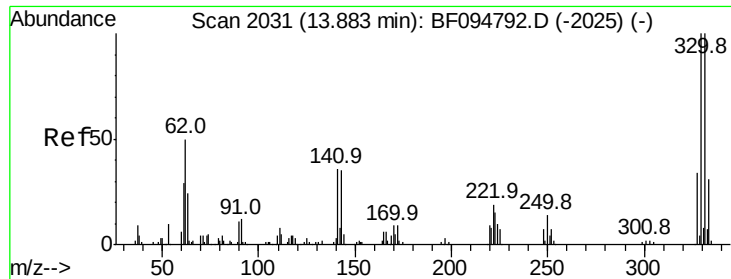
Tot Ion	82	Resp	420176
Ion Ratio	100		
Lower	34.0		
Upper	51.0		
54	44.8	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

Tgt Ion	164	Resp	164856
Ion Ratio	100		
Lower	82.6		
Upper	123.8		
162	106.9	36.2	54.2
160	45.0		

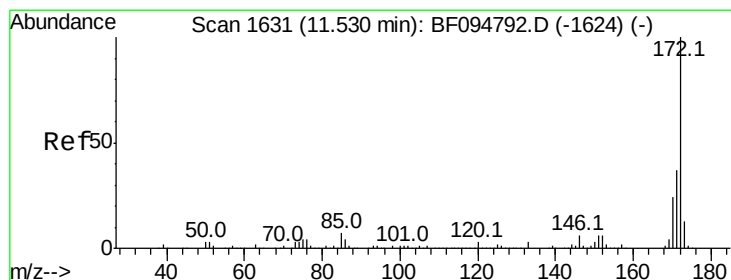
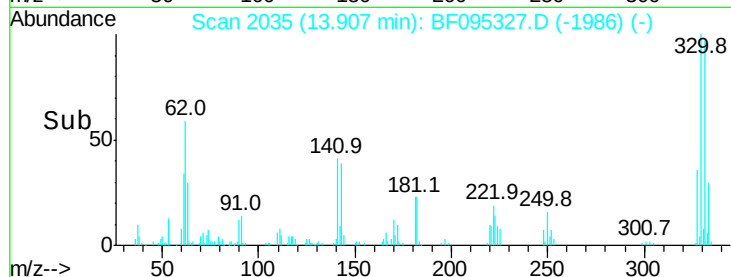
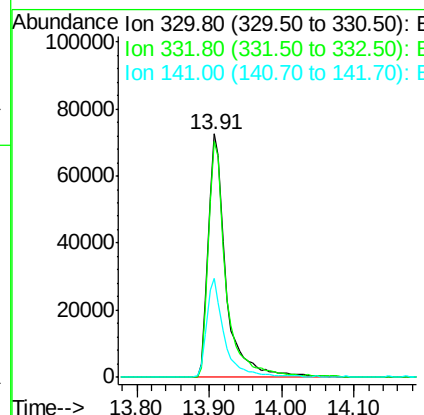
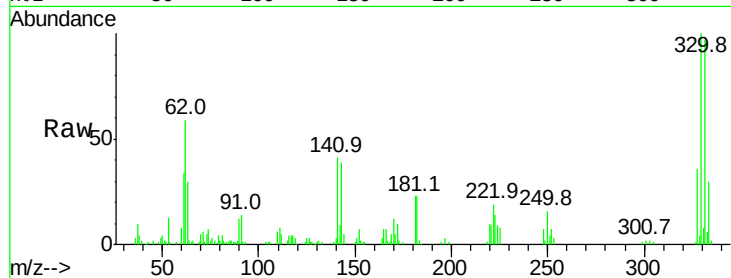




#41
 2,4,6-Tribromophenol
 Concen: 91.74 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

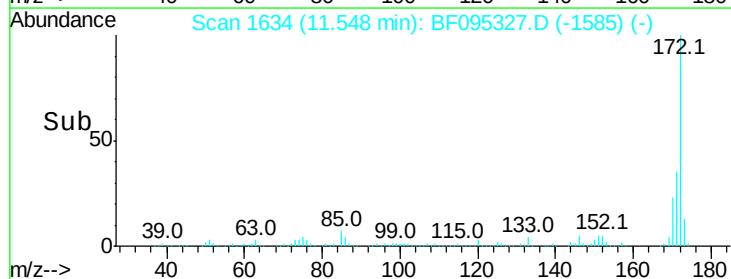
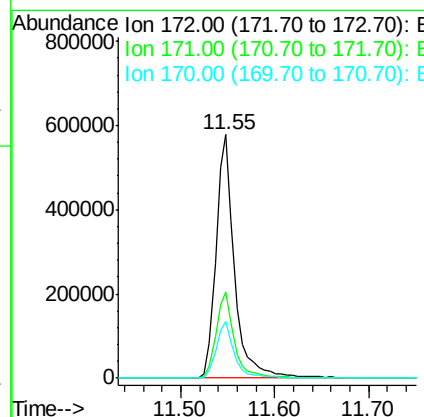
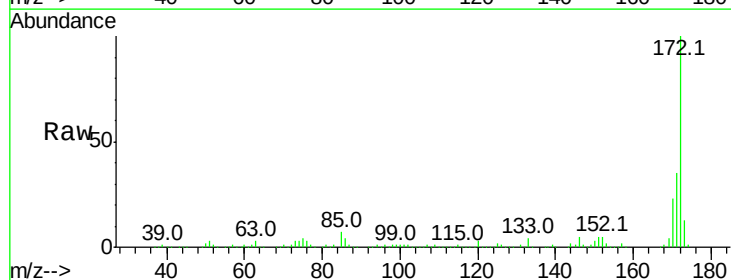
Instrument :
 BNA_F
 ClientSampleId :

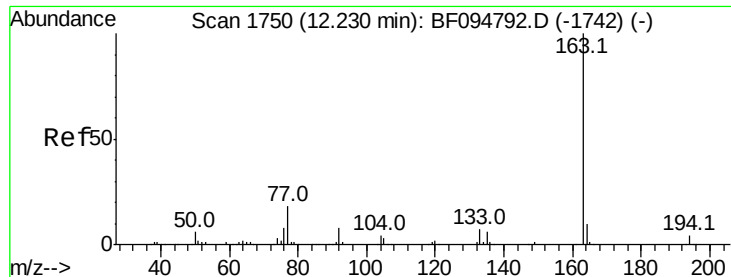
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	40.3	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 69.91 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.4	19.8	29.8





#49

Dimethylphthalate

Concen: 7.26 ng

RT: 12.25 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF095327.D

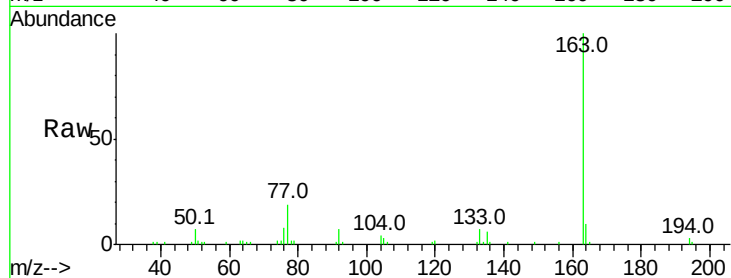
Acq: 22 May 2017 22:10

Instrument :

BNA_F

ClientSampled :

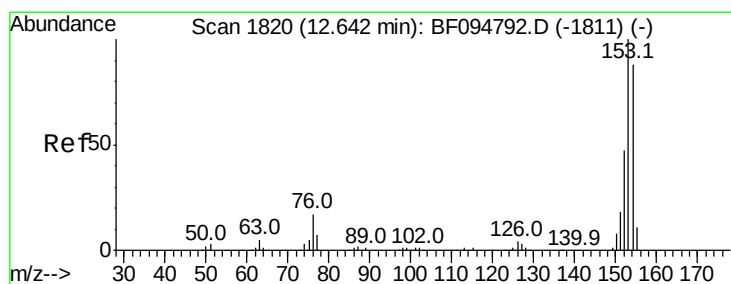
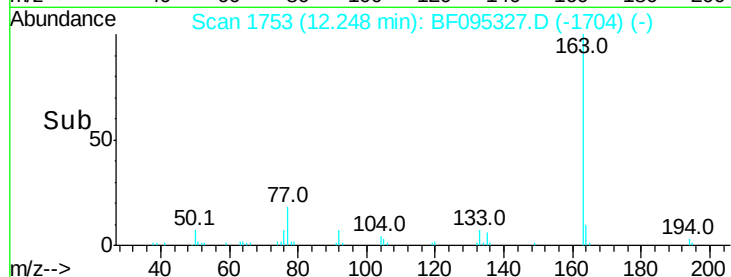
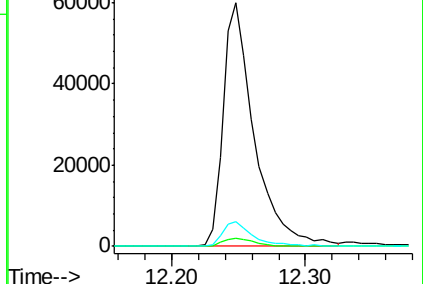
Tot Ion:163	Resp:	98265
Ion Ratio	Lower	Upper
163	100	
194	3.4	2.6 4.0
164	9.9	8.4 12.6



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



#51

Acenaphthene

Concen: 14.25 ng

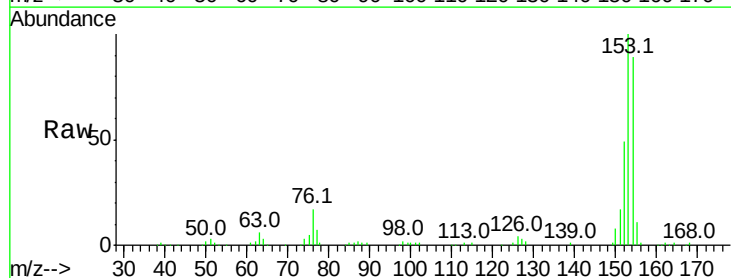
RT: 12.66 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

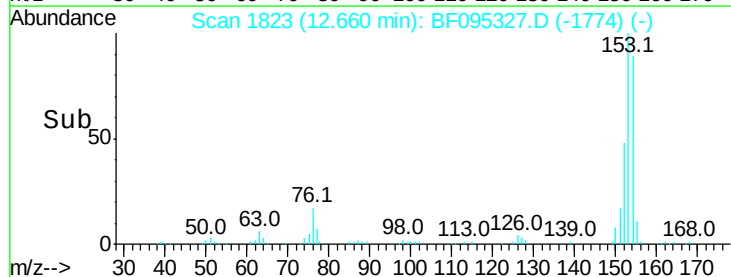
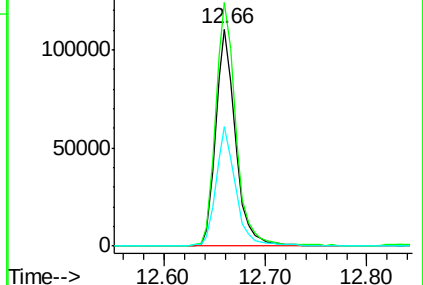
Tgt Ion:154	Resp:	149464
Ion Ratio	Lower	Upper
154	100	
153	112.1	90.5 135.7
152	55.0	43.6 65.4

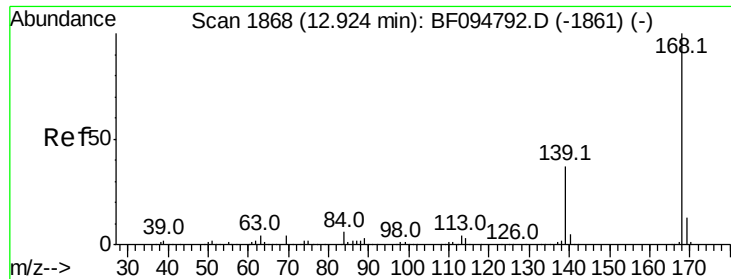


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 5.27 ng

RT: 12.96 min Scan# 1874

Delta R.T. 0.00 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Instrument :

BNA_F

ClientSampleId :

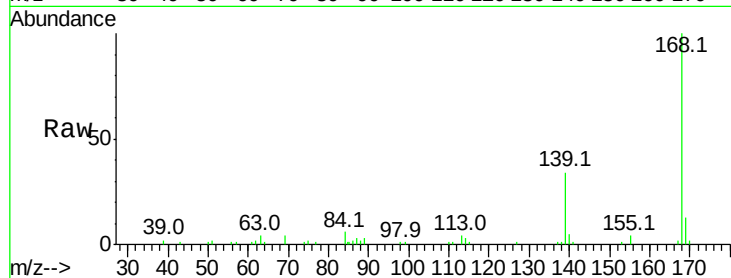
Tot Ion:168 Resp: 76419

Ion Ratio Lower Upper

168 100

139 34.3 30.6 45.8

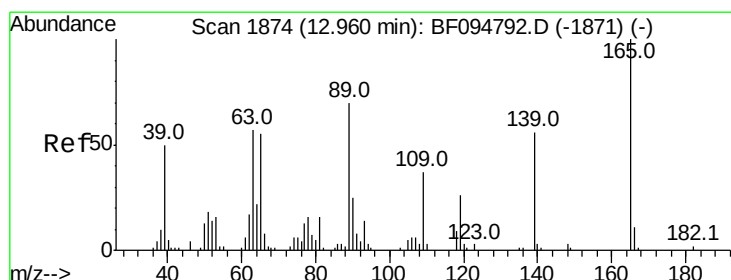
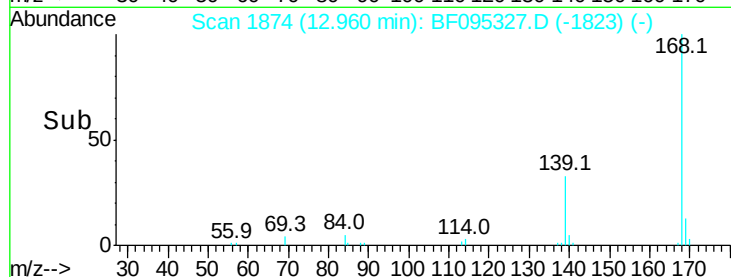
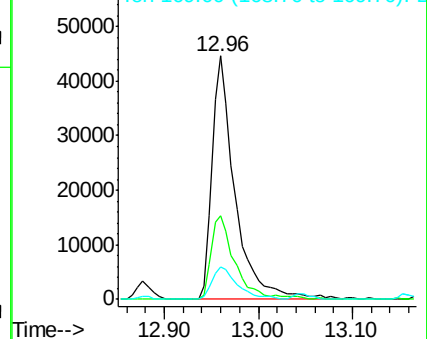
169 13.1 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 14.92 ng

RT: 12.96 min Scan# 1874

Delta R.T. -0.08 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

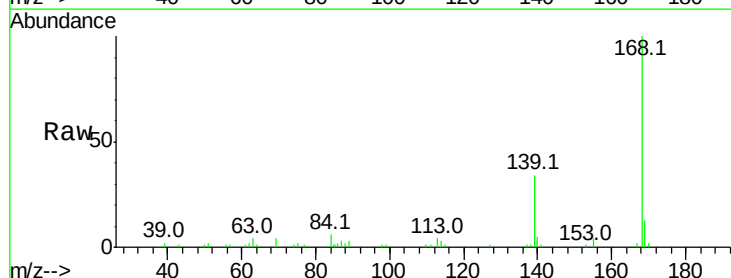
Tgt Ion:139 Resp: 26562

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

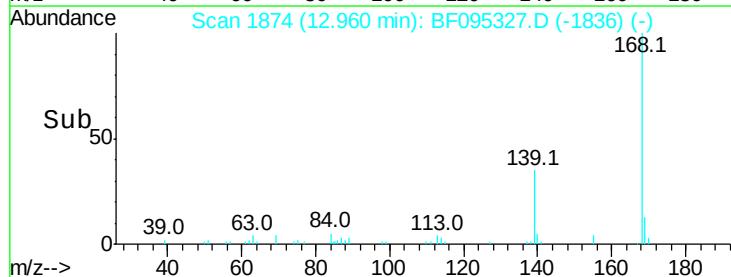
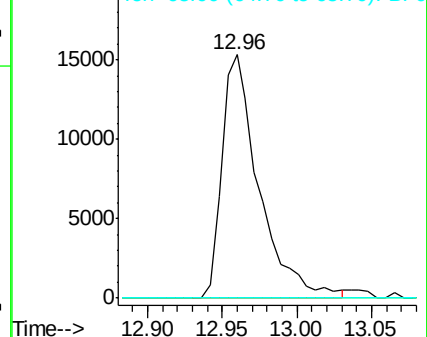
65 0.0 31.4 71.4#

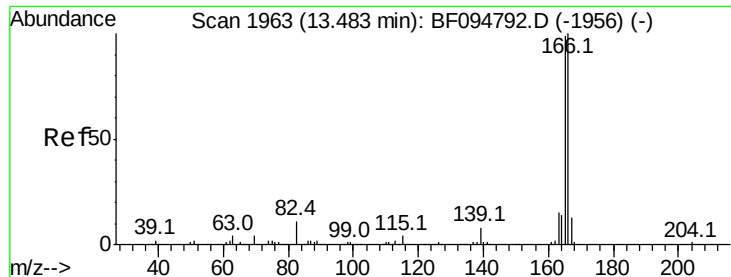


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

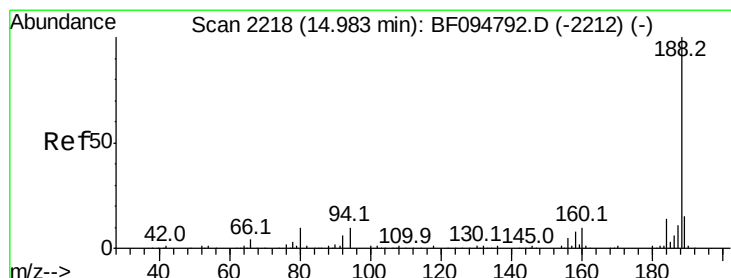
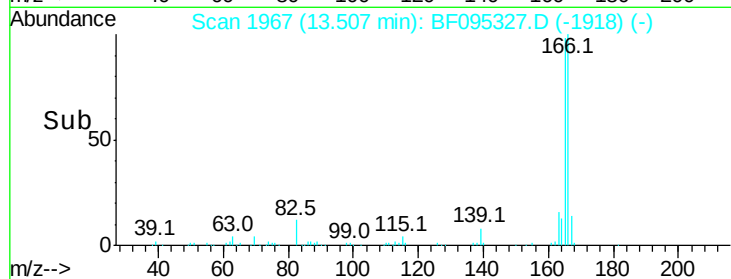
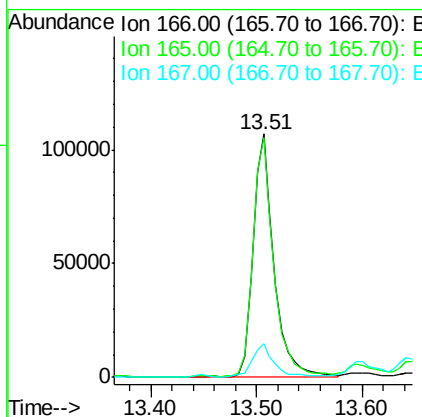
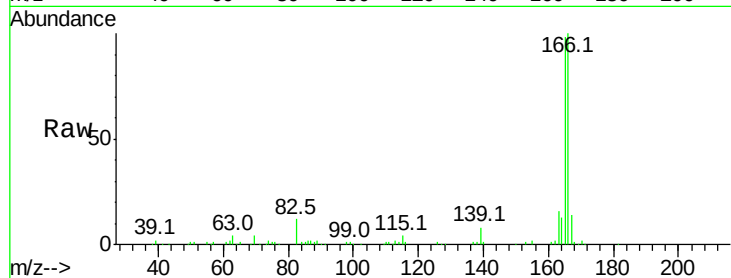




#57
 Fluorene
 Concen: 11.73 ng
 RT: 13.51 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

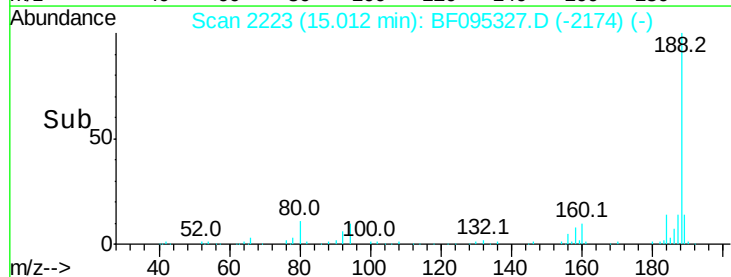
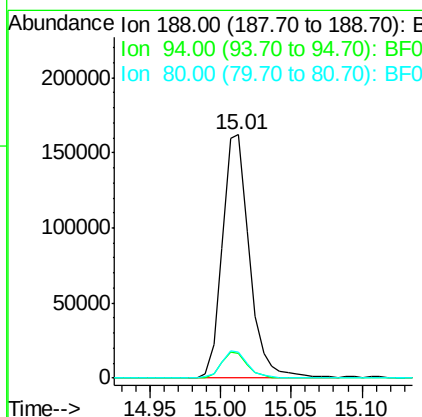
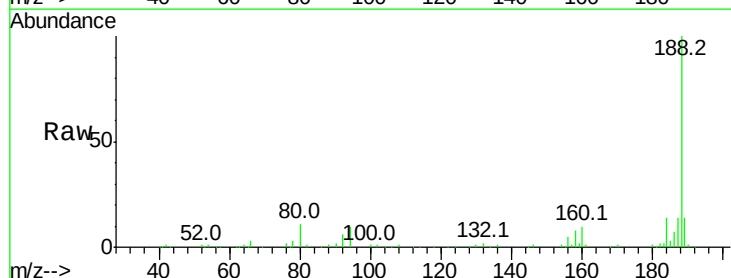
Instrument :
 BNA_F
 ClientSampled :

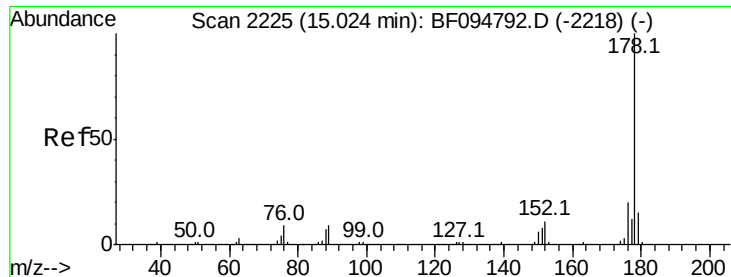
Tot Ion:166 Resp: 148031
 Ion Ratio Lower Upper
 166 100
 165 98.4 78.8 118.2
 167 14.0 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

Tgt Ion:188 Resp: 216020
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 10.6 10.2 15.2





#70

Phenanthrene

Concen: 32.74 ng

RT: 15.05 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Instrument :

BNA_F

ClientSampleId :

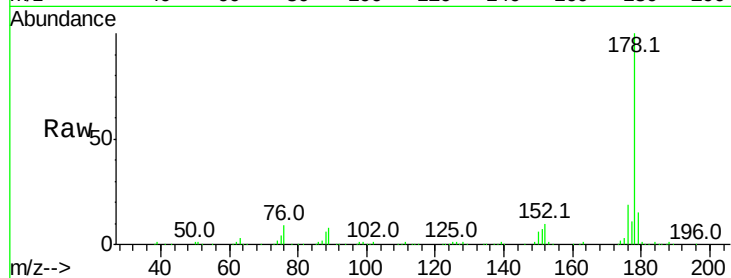
Tot Ion:178 Resp: 406314

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

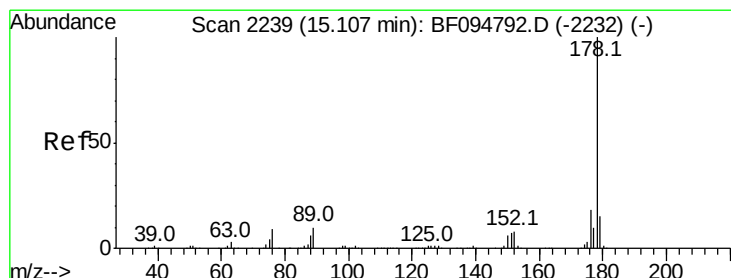
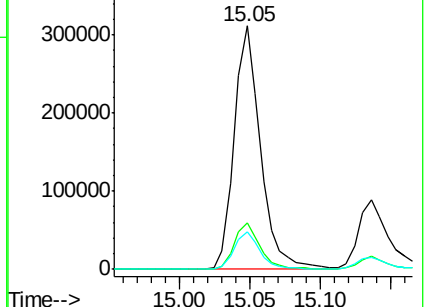
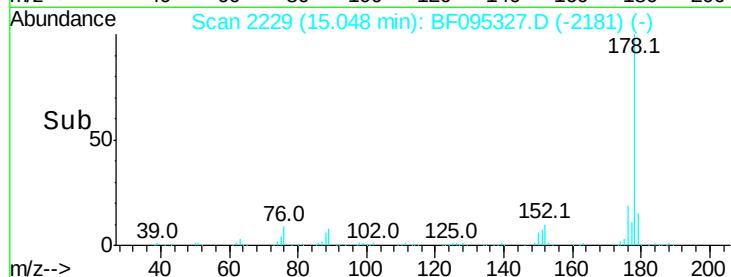
179 15.2 12.6 19.0



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: 10.23 ng

RT: 15.14 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

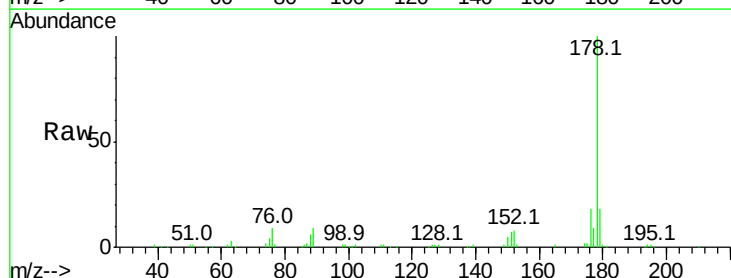
Tgt Ion:178 Resp: 129751

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

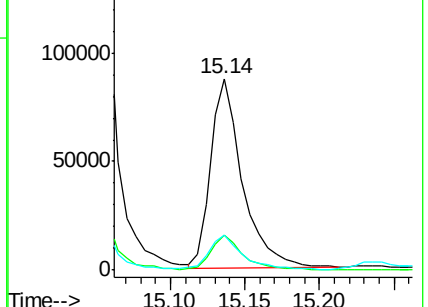
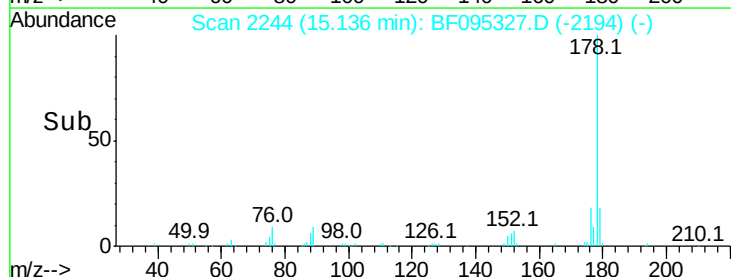
179 17.9 12.7 19.1

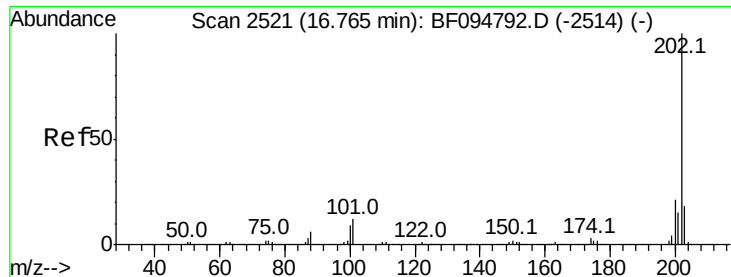


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

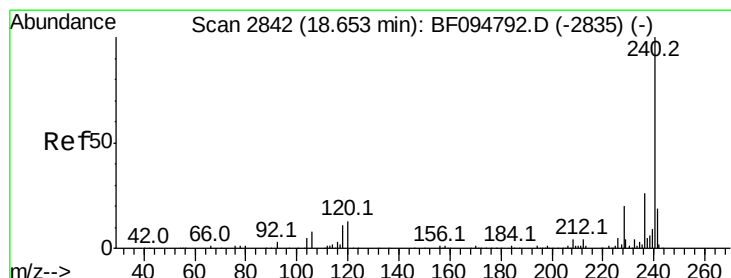
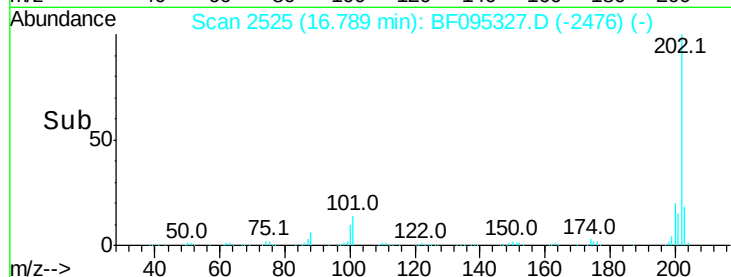
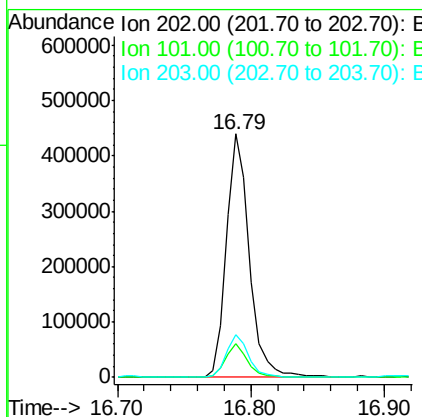
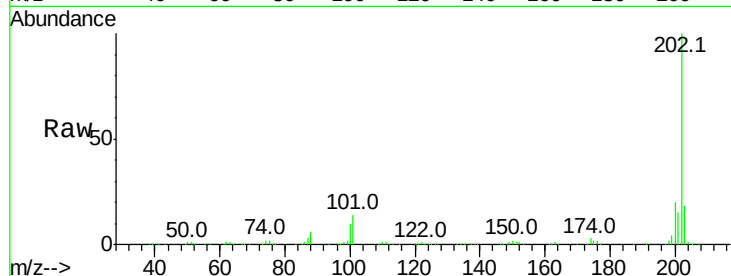




#74
 Fluoranthene
 Concen: 41.91 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

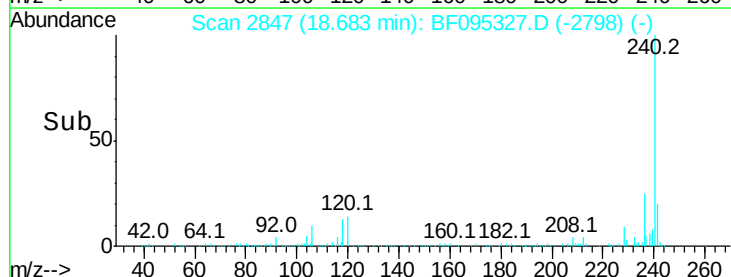
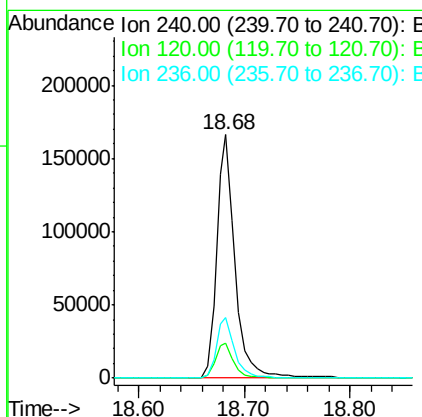
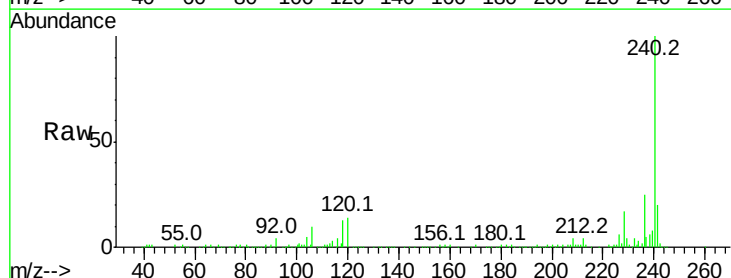
Instrument :
 BNA_F
 ClientSampleId :

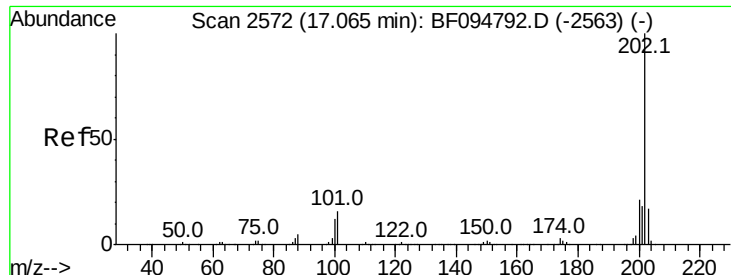
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 24.97 ng

RT: 17.09 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

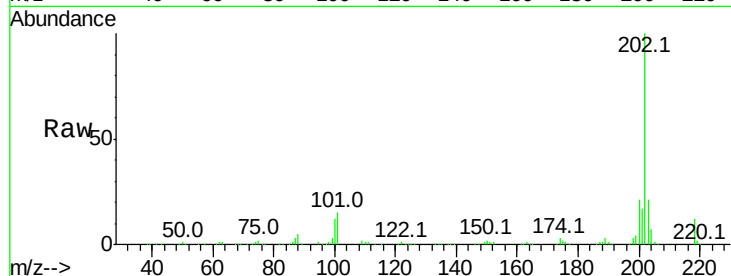
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 379329

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	21.4	14.4	21.6

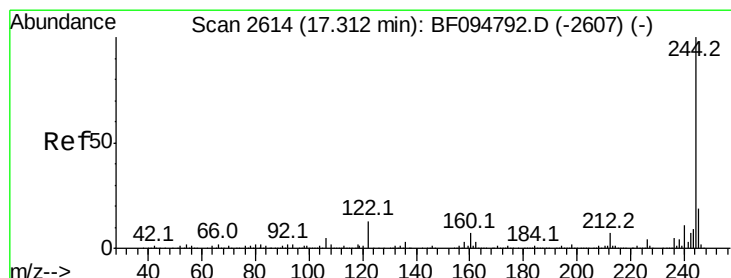
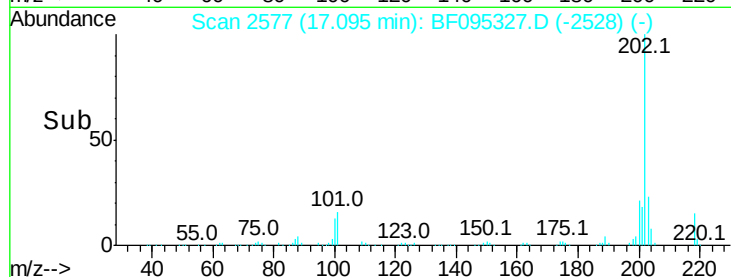
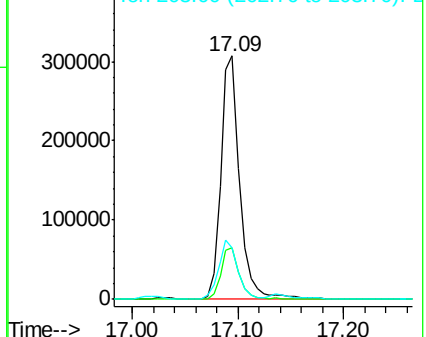


Abundance

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: 50.60 ng

RT: 17.33 min Scan# 2617

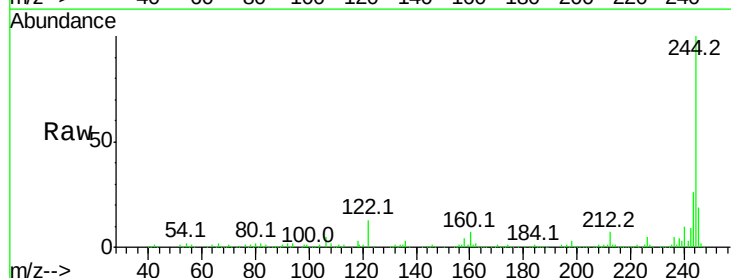
Delta R.T. -0.02 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Tgt Ion:244 Resp: 466721

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.2	10.3	15.5

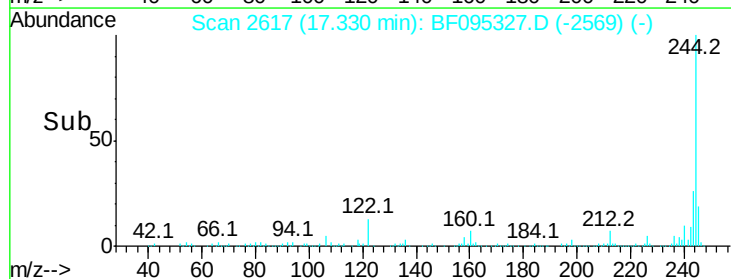
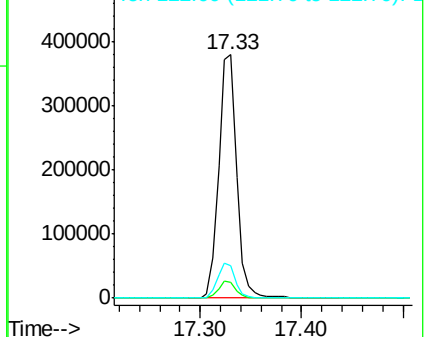


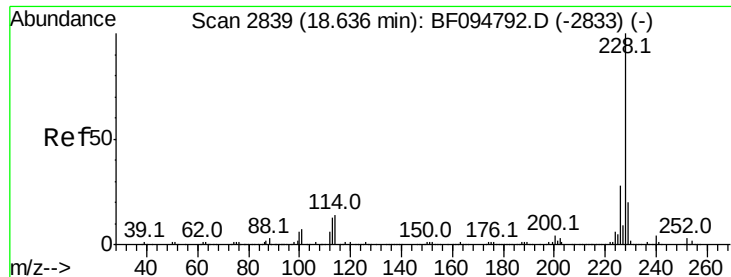
Abundance

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

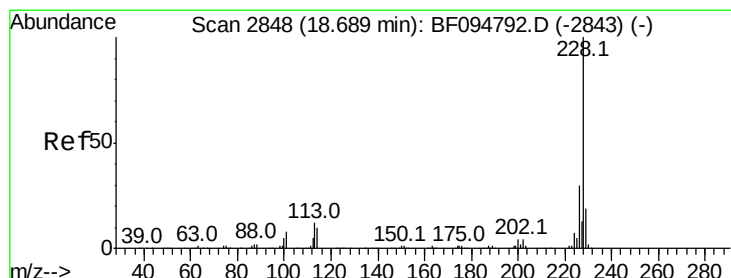
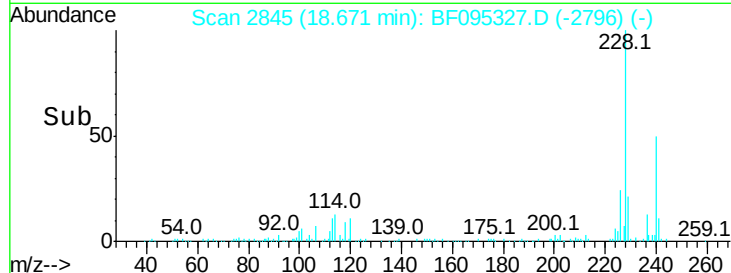
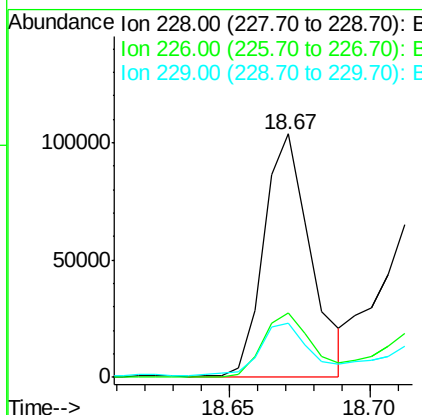
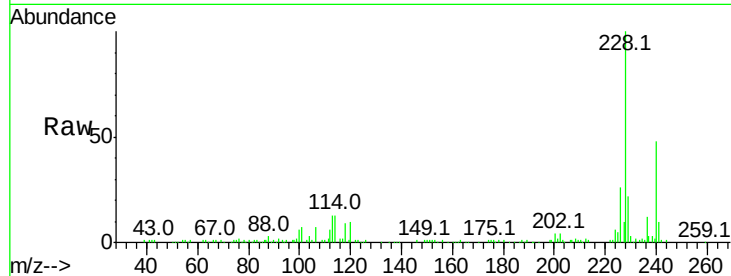




#80
Benzo(a)anthracene
Concen: 9.99 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

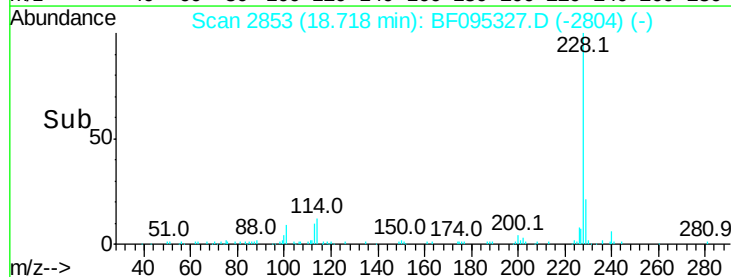
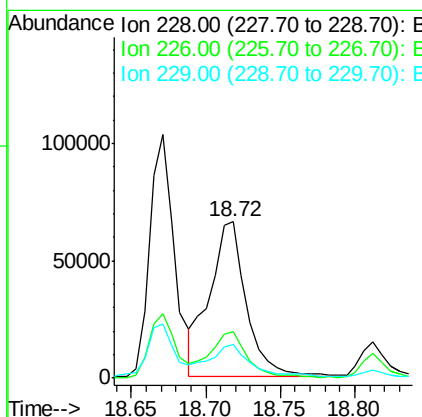
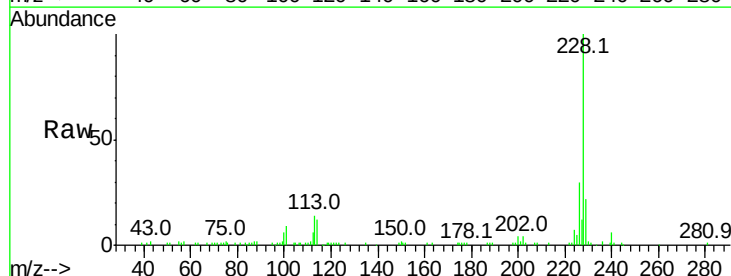
Instrument :
BNA_F
ClientSampled :

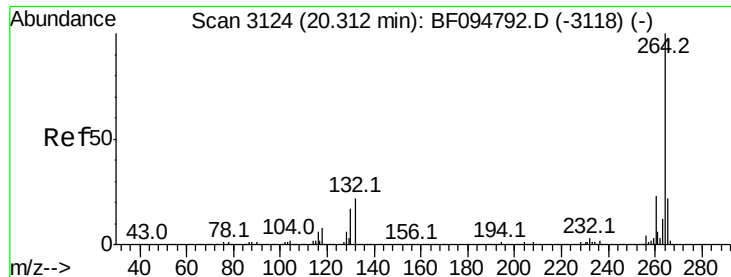
Tot Ion:228 Resp: 118072
Ion Ratio Lower Upper
228 100
226 26.4 22.6 33.8
229 22.1 16.3 24.5



#82
Chrysene
Concen: 10.03 ng
RT: 18.72 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Tgt Ion:228 Resp: 114662
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 21.6 15.8 23.6

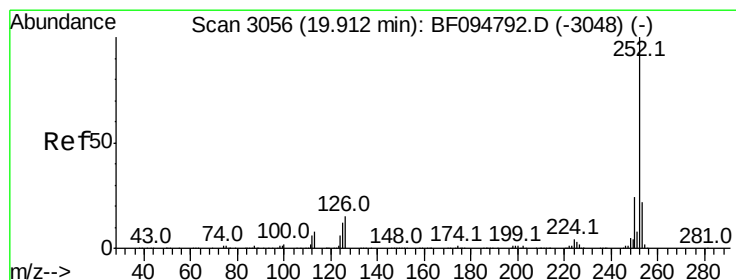
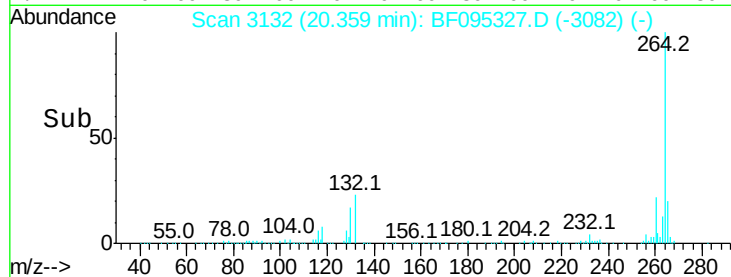
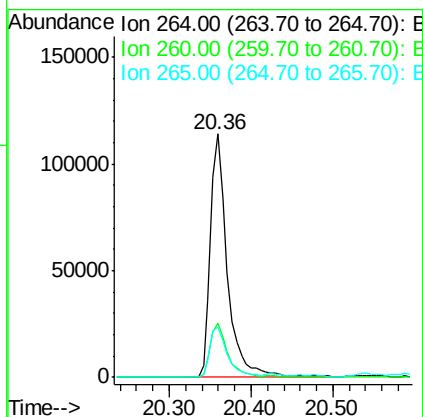
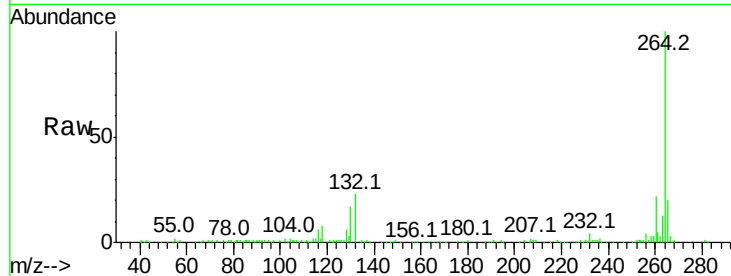




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

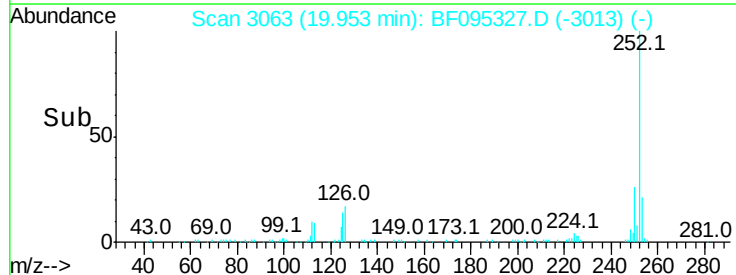
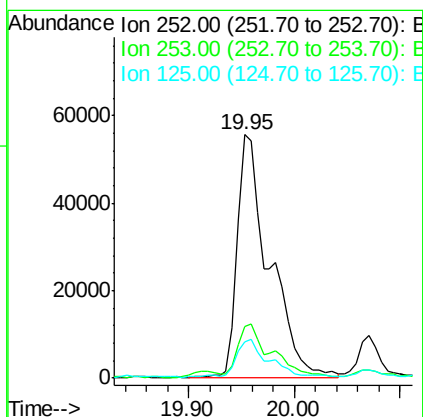
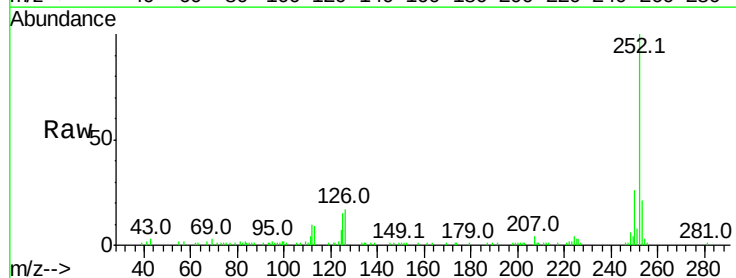
Instrument :
BNA_F
ClientSampleId :

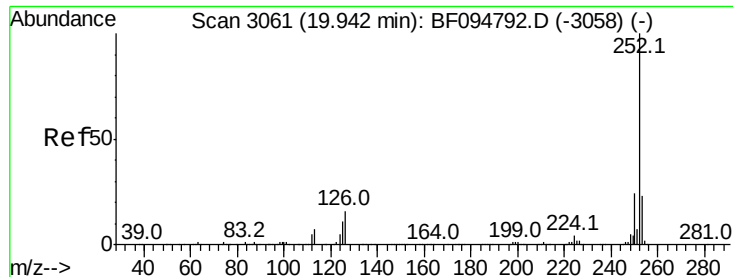
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 11.39 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	14.8	9.8	14.8

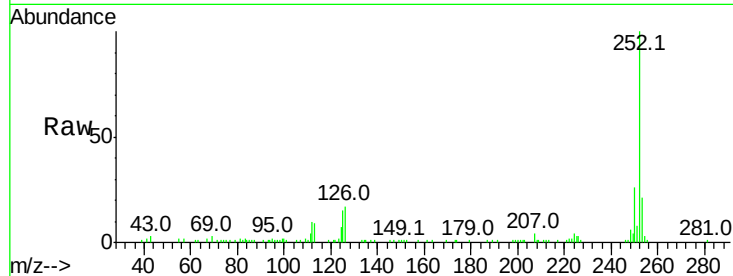




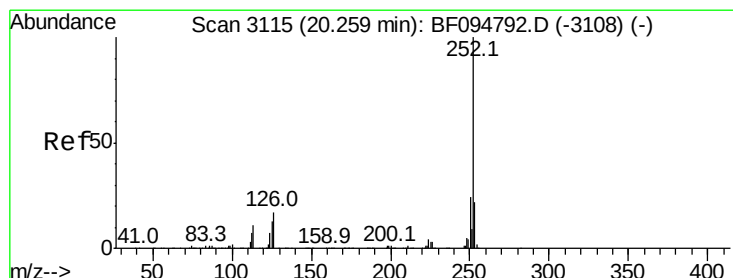
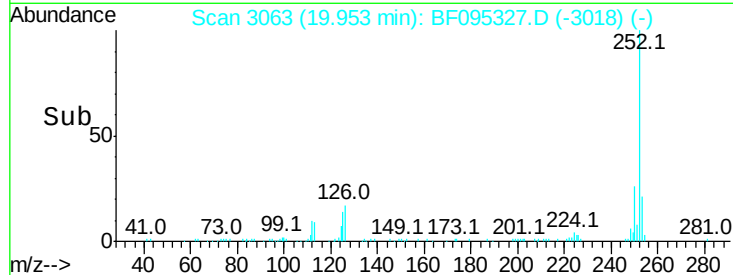
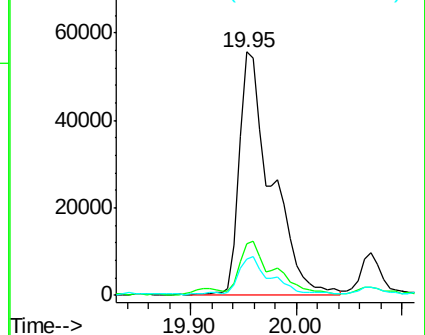
#88
Benzo(k)fluoranthene
Concen: 11.81 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 116780
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 14.8 13.1 19.7

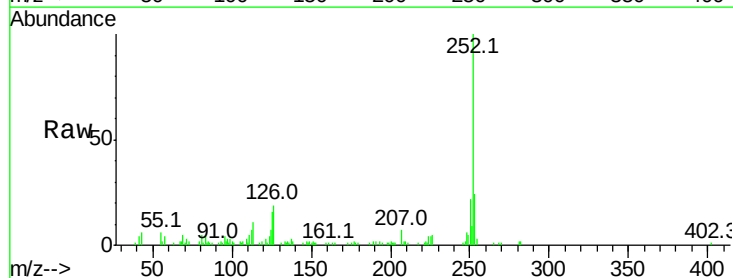


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 4.28 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Tgt Ion:252 Resp: 40503
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 16.3 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

