

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095583.D
 Acq On : 1 Jun 2017 1:29
 Operator : SJ/MA
 Sample : I3302-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 02:48:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

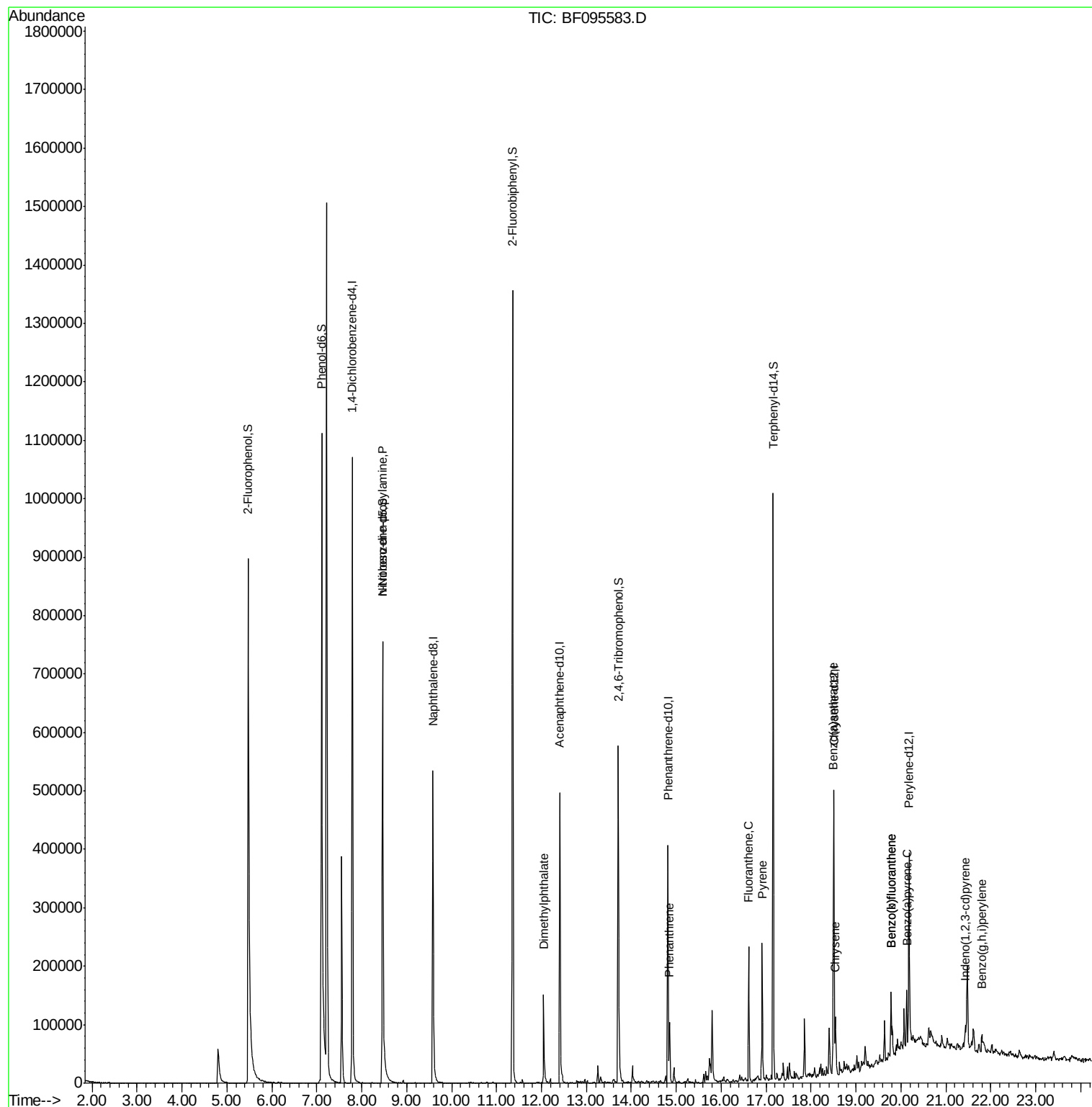
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	242245	20.00	ng	0.05
21) Naphthalene-d8	9.58	136	393393	20.00	ng	-0.18
38) Acenaphthene-d10	12.41	164	138193	20.00	ng	-0.19
63) Phenanthrene-d10	14.81	188	208834	20.00	ng	-0.19
75) Chrysene-d12	18.51	240	175574	20.00	ng	-0.17
86) Perylene-d12	20.18	264	133647	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	578451	39.81	ng	-0.24
7) Phenol-d6	7.11	99	752421	43.16	ng	-0.19
23) Nitrobenzene-d5	8.47	82	422647	67.75	ng	-0.19
41) 2,4,6-Tribromophenol	13.71	330	100707	88.98	ng	-0.19
44) 2-Fluorobiphenyl	11.36	172	598110	62.30	ng	-0.18
78) Terphenyl-d14	17.15	244	355214	44.56	ng	-0.17
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.47	70	50497	4.28	ng	# 75
49) Dimethylphthalate	12.05	163	103235	9.10	ng	# 98
70) Phenanthrene	14.85	178	65888	5.49	ng	96
74) Fluoranthene	16.61	202	112845	9.17	ng	99
77) Pyrene	16.91	202	103598	7.89	ng	95
80) Benzo(a)anthracene	18.49	228	52651	5.15	ng	97
82) Chrysene	18.54	228	48980	4.96	ng	98
85) Indeno(1,2,3-cd)pyrene	21.44	276	21738	2.71	ng	99
87) Benzo(b)fluoranthene	19.78	252	78359	9.49	ng	# 94
88) Benzo(k)fluoranthene	19.78	252	78359	9.84	ng	97
89) Benzo(a)pyrene	20.13	252	40184	5.27	ng	98
91) Benzo(a,h,i)perylene	21.80	276	20536	3.33	ng	92

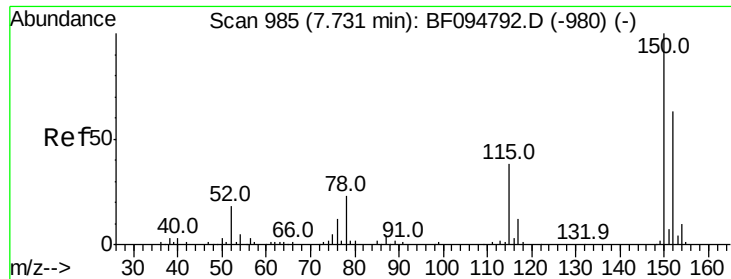
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 1012

Delta R.T. 0.05 min

Lab File: BF095583.D

Acq: 1 Jun 2017 1:29

Instrument :

BNA_F

ClientSampleId :

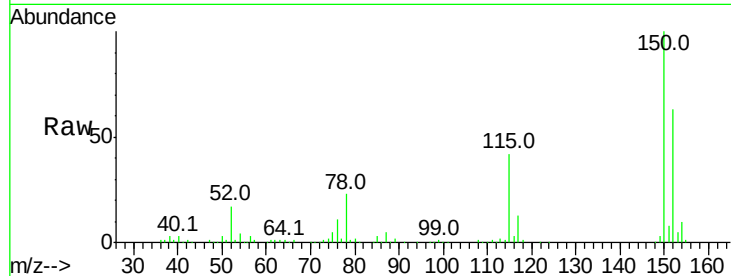
Tot Ion:152 Resp: 242245

Ion Ratio Lower Upper

152 100

150 158.4 126.2 189.2

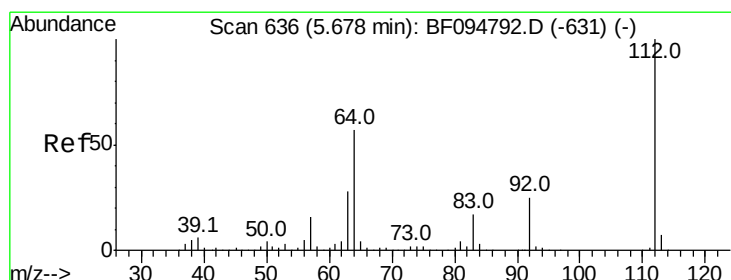
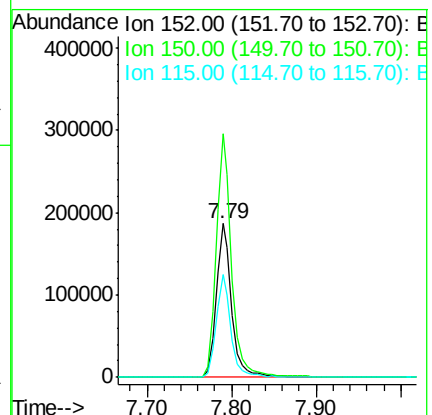
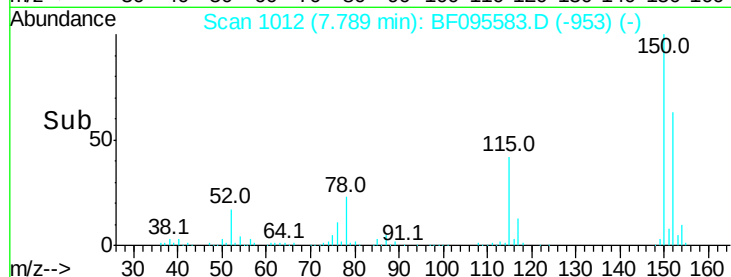
115 66.8 52.2 78.2



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: 39.81 ng

RT: 5.47 min Scan# 618

Delta R.T. -0.24 min

Lab File: BF095583.D

Acq: 1 Jun 2017 1:29

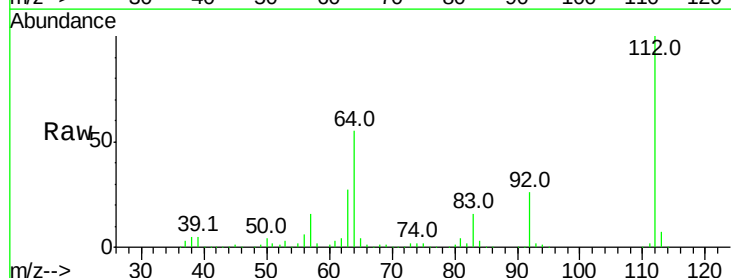
Tgt Ion:112 Resp: 578451

Ion Ratio Lower Upper

112 100

64 54.7 46.0 69.0

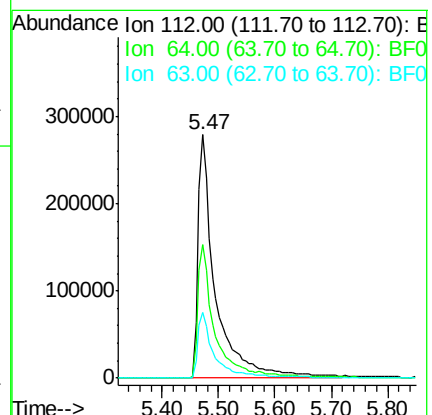
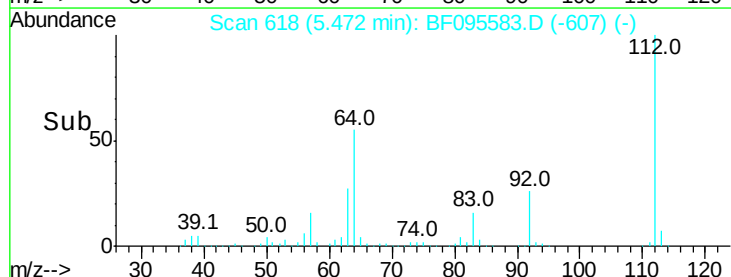
63 26.8 23.4 35.0

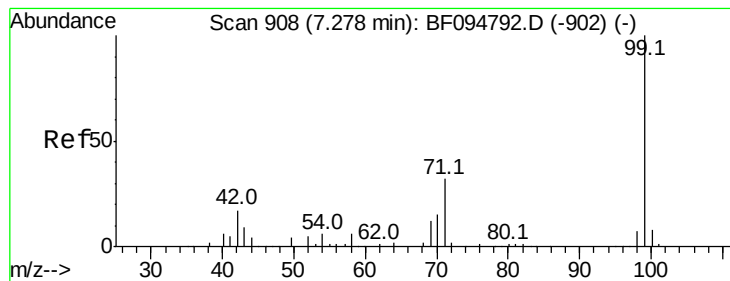


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.16 ng

RT: 7.11 min Scan# 896

Delta R.T. -0.19 min

Lab File: BF095583.D

Acq: 1 Jun 2017 1:29

Instrument :

BNA_F

ClientSampleId :

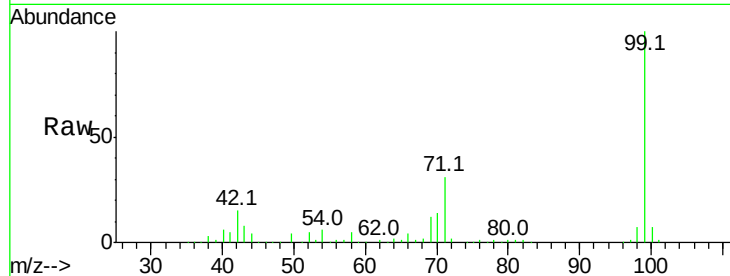
Tot Ion: 99 Resp: 752421

Ion Ratio Lower Upper

99 100

42 14.9 13.5 20.3

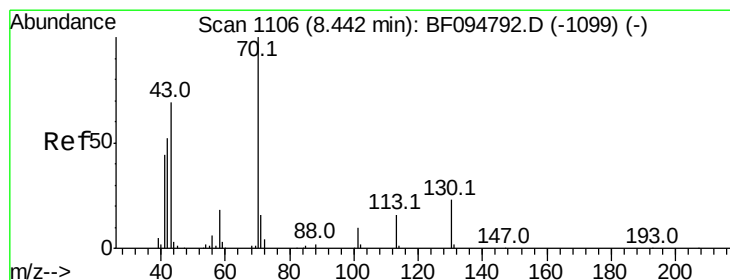
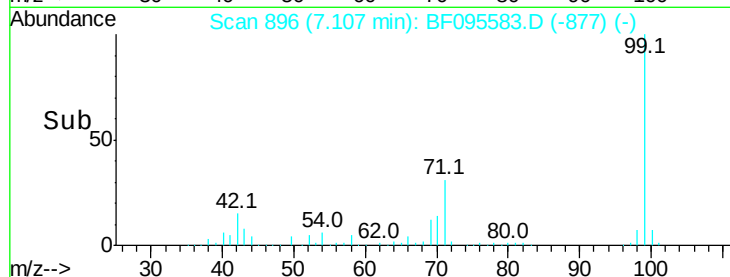
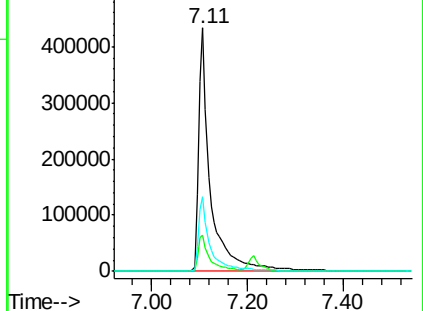
71 30.8 24.5 36.7



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: 4.28 ng

RT: 8.47 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF095583.D

Acq: 1 Jun 2017 1:29

Tgt Ion: 70 Resp: 50497

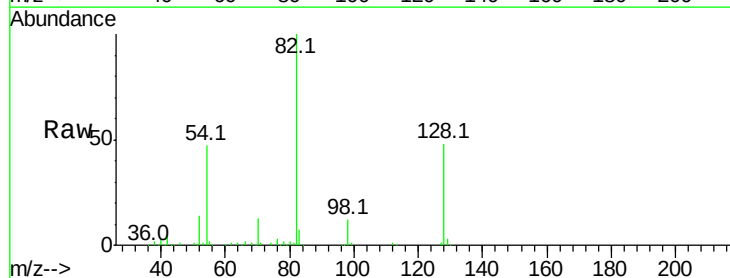
Ion Ratio Lower Upper

70 100

42 43.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#

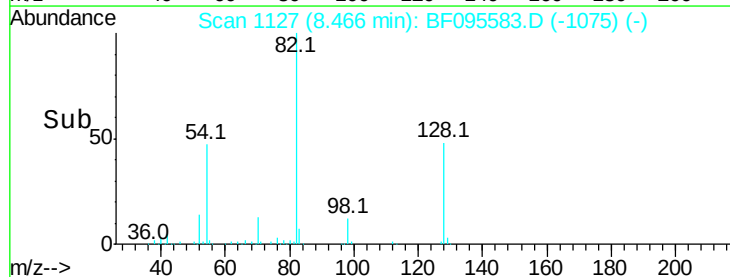
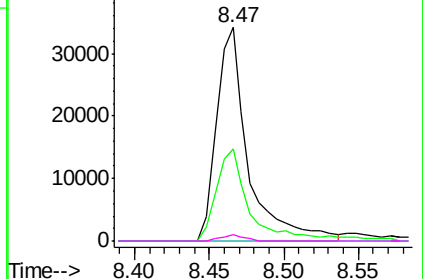


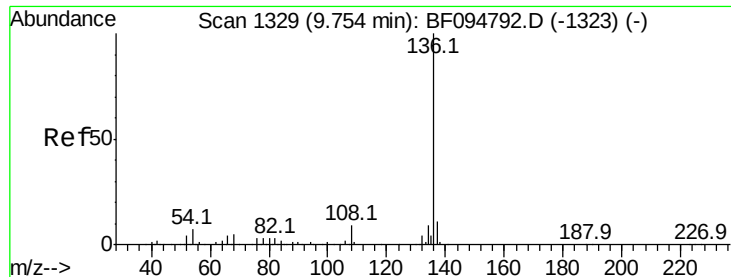
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

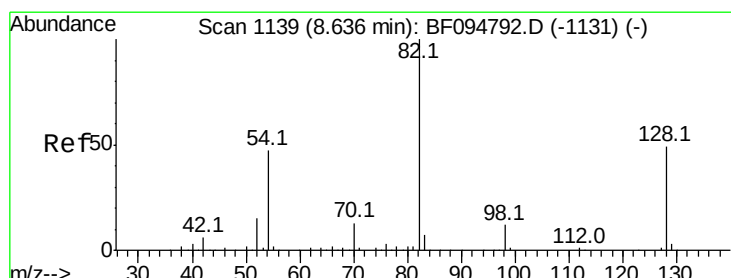
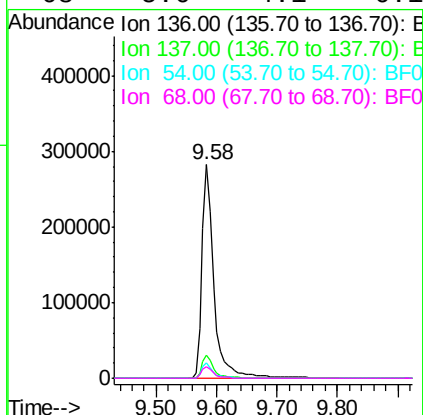
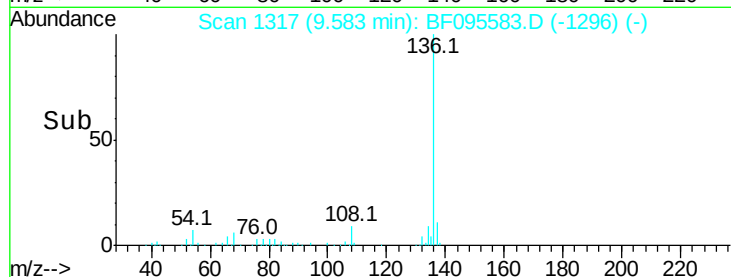
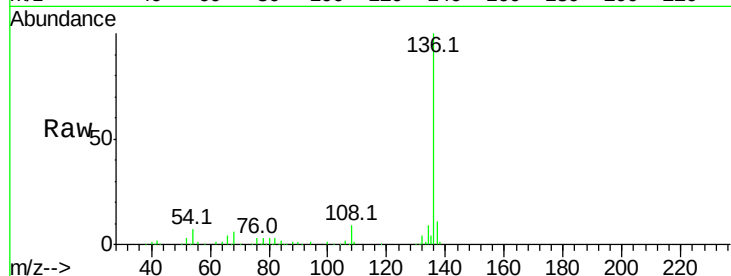




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.58 min Scan# 1317
Delta R.T. -0.18 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

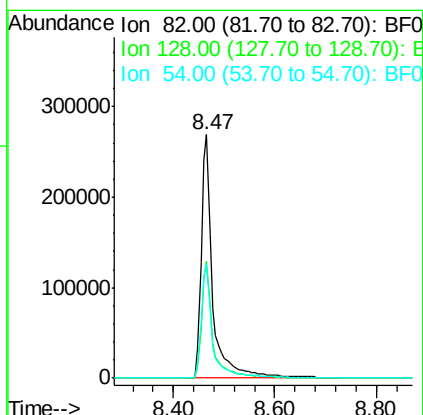
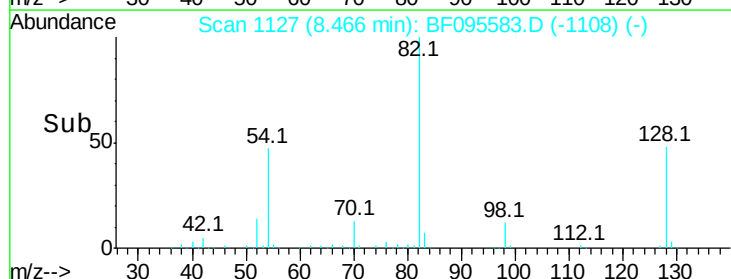
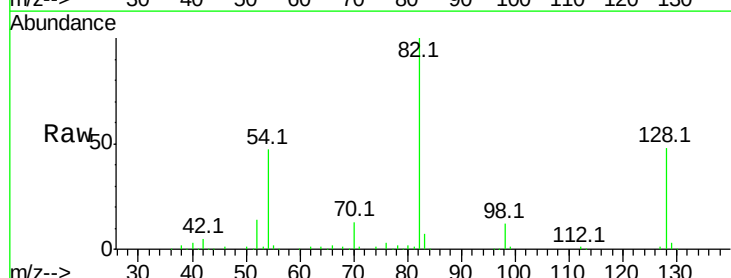
Instrument :
BNA_F
ClientSampleId :

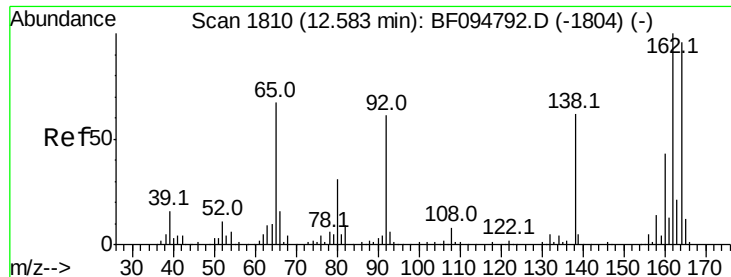
Tot Ion:136	Resp:	393393
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	6.9	4.9 7.3
68	5.6	4.1 6.1



#23
Nitrobenzene-d5
Concen: 67.75 ng
RT: 8.47 min Scan# 1127
Delta R.T. -0.19 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

Tgt Ion: 82	Resp:	422647
Ion Ratio	Lower	Upper
82	100	
128	47.8	34.0 51.0
54	46.7	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.41 min Scan# 1797

Delta R.T. -0.19 min

Lab File: BF095583.D

Acq: 1 Jun 2017 1:29

Instrument :

BNA_F

ClientSampleId :

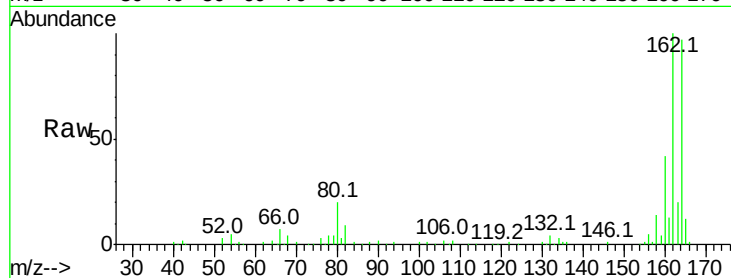
Tot Ion:164 Resp: 138193

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

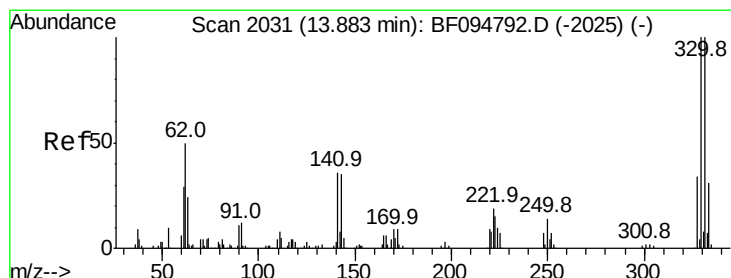
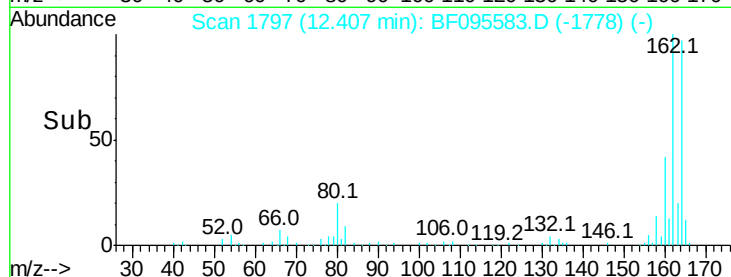
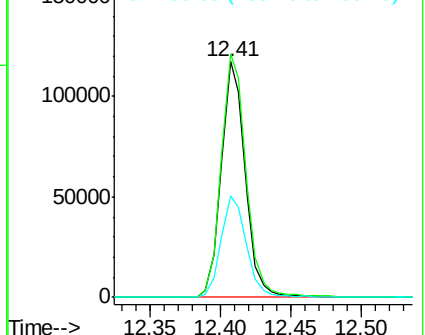
160 43.1 36.2 54.2



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: 88.98 ng

RT: 13.71 min Scan# 2018

Delta R.T. -0.19 min

Lab File: BF095583.D

Acq: 1 Jun 2017 1:29

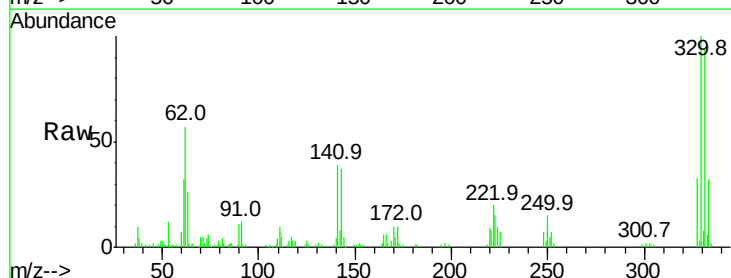
Tgt Ion:330 Resp: 100707

Ion Ratio Lower Upper

330 100

332 97.1 76.6 115.0

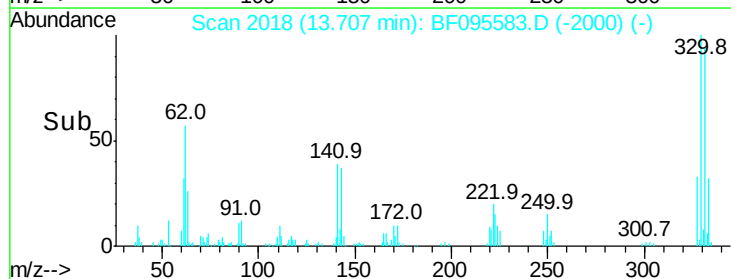
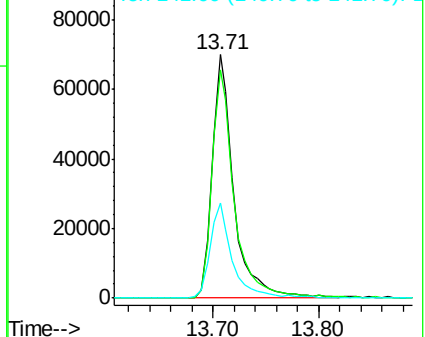
141 39.6 31.4 47.2

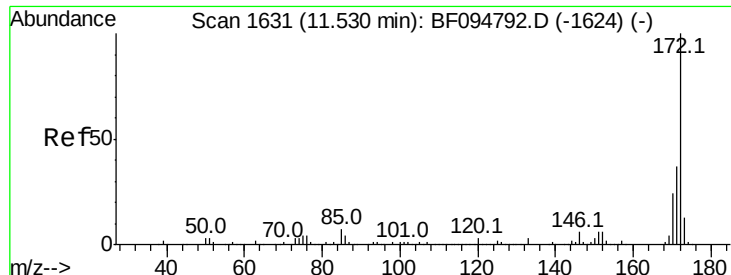


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

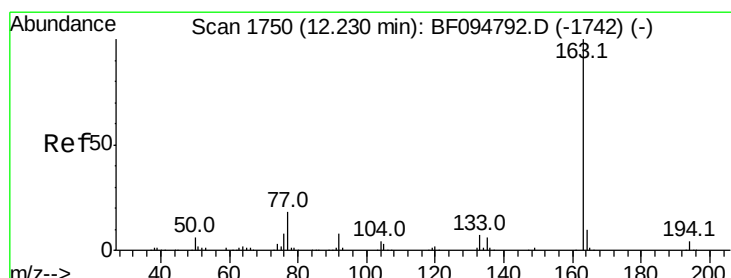
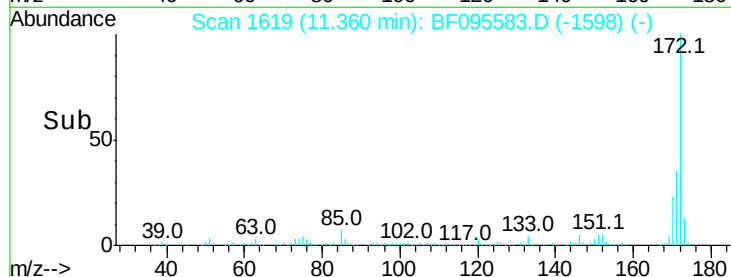
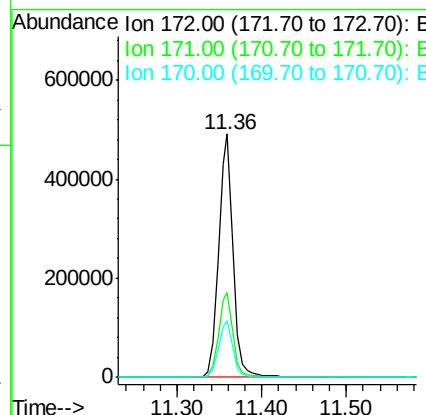
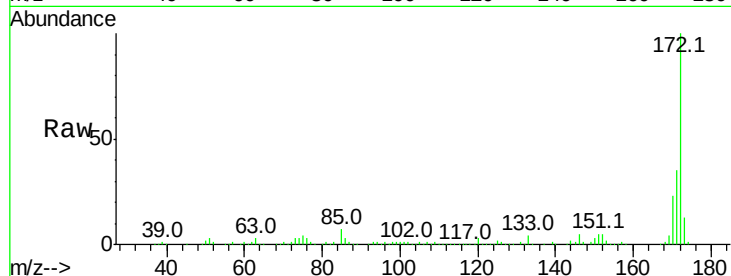




#44
2-Fluorobiphenyl
Concen: 62.30 ng
RT: 11.36 min Scan# 1619
Delta R.T. -0.18 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

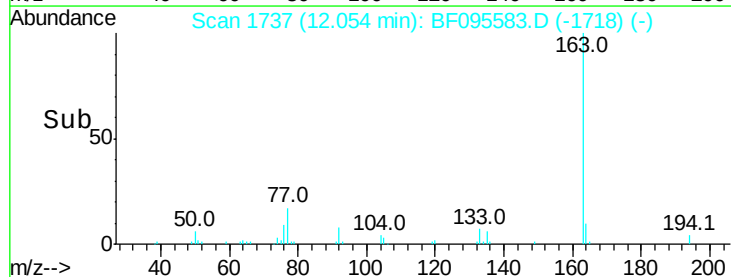
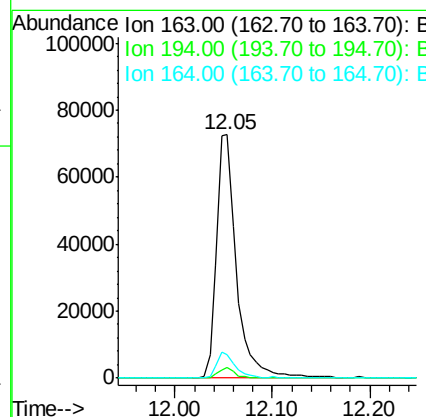
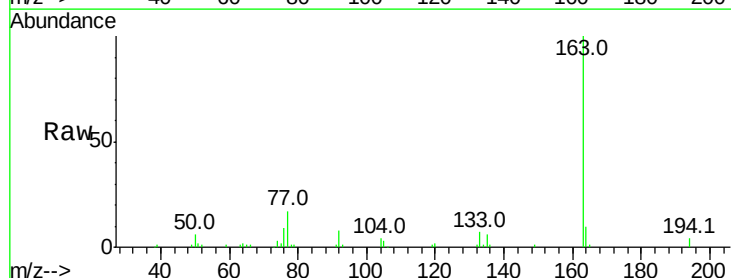
Instrument :
BNA_F
ClientSampleId :

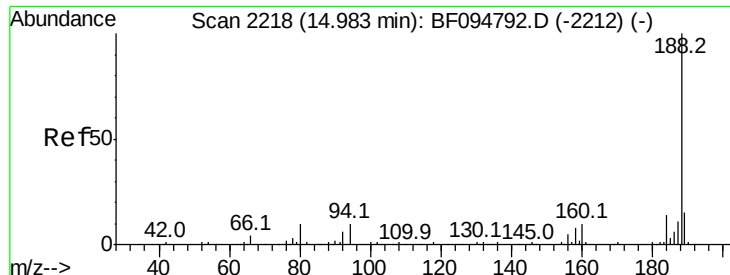
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	23.4	19.8	29.8



#49
Dimethylphthalate
Concen: 9.10 ng
RT: 12.05 min Scan# 1737
Delta R.T. -0.19 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.6	4.0#
164	9.6	8.4	12.6

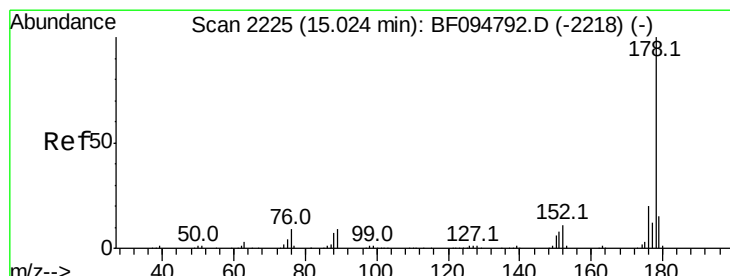
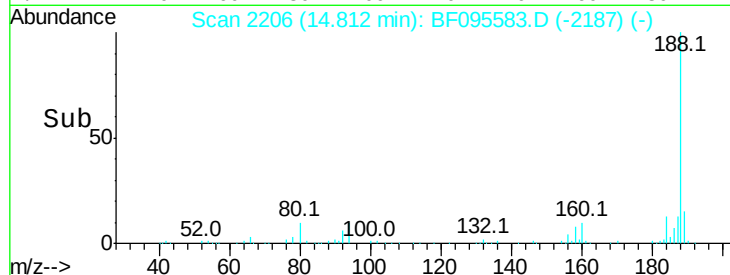
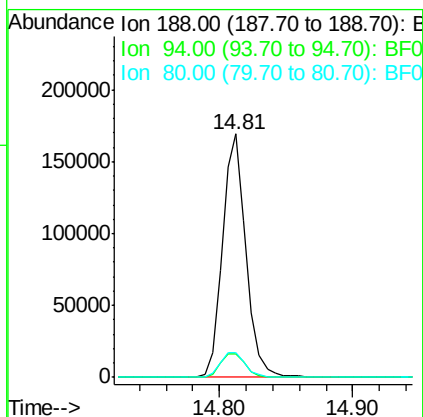
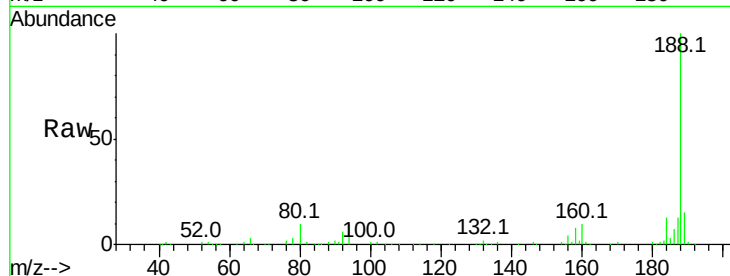




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2206
Delta R.T. -0.19 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

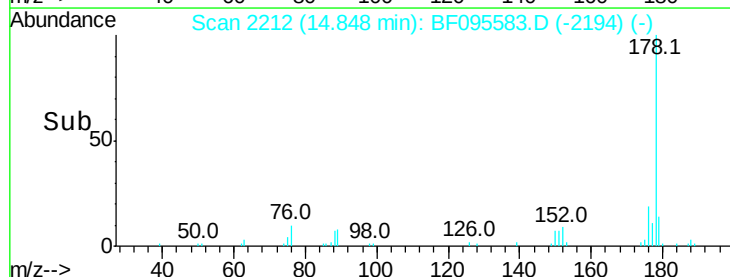
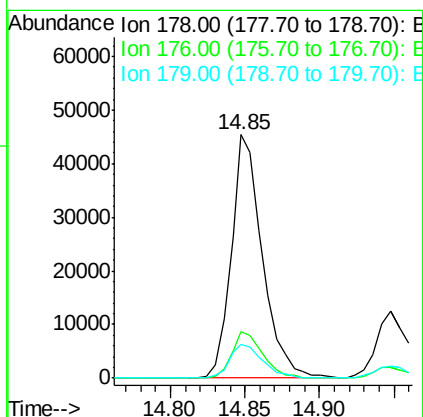
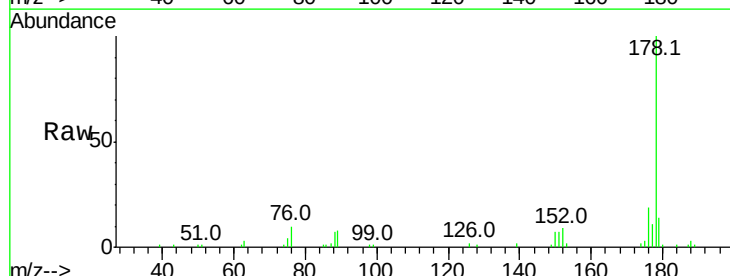
Instrument :
BNA_F
ClientSampled :

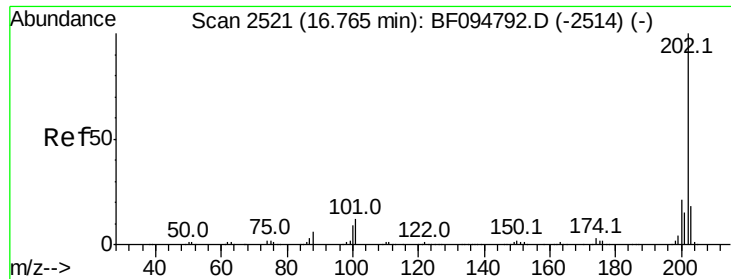
Tot Ion:188 Resp: 208834
Ion Ratio Lower Upper
188 100
94 9.7 9.4 14.2
80 10.2 10.2 15.2



#70
Phenanthrene
Concen: 5.49 ng
RT: 14.85 min Scan# 2212
Delta R.T. -0.19 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

Tgt Ion:178 Resp: 65888
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 13.8 12.6 19.0

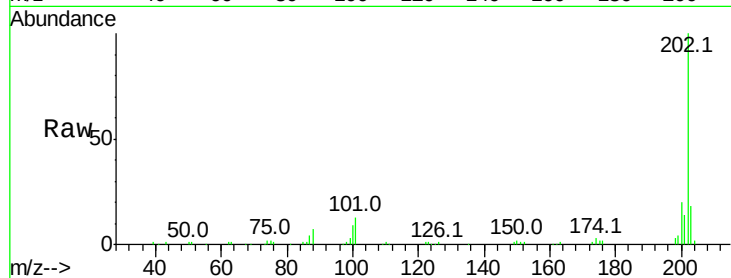




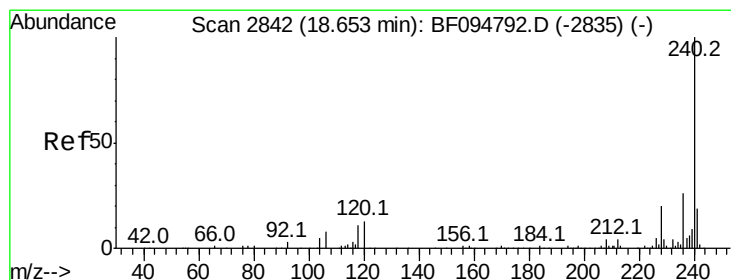
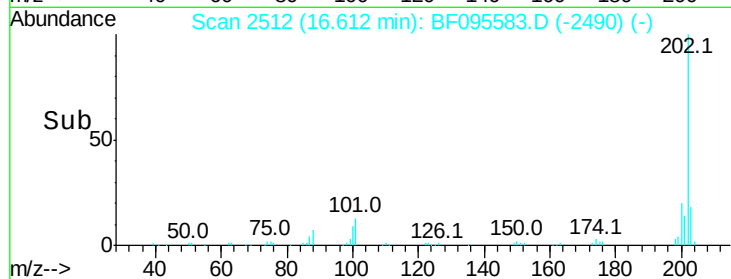
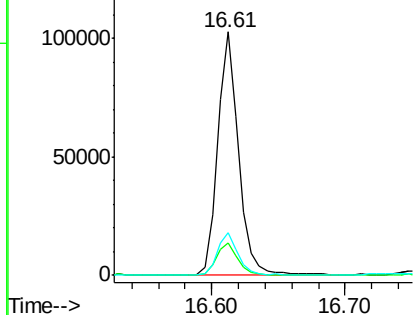
#74
 Fluoranthene
 Concen: 9.17 ng
 RT: 16.61 min Scan# 2512
 Delta R.T. -0.17 min
 Lab File: BF095583.D
 Acq: 1 Jun 2017 1:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:202 Resp: 112845
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 17.6 0.0 38.1

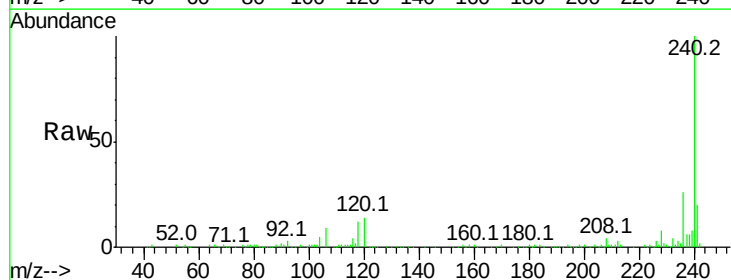


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

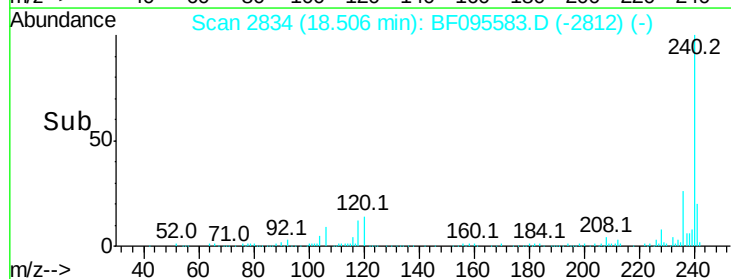
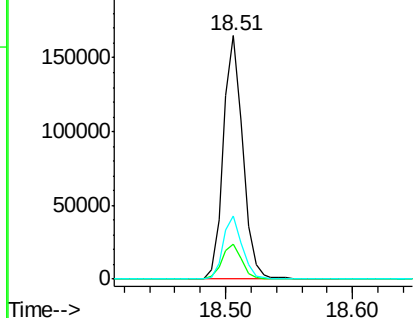


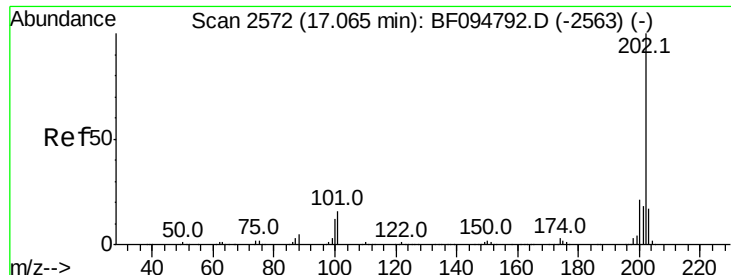
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.51 min Scan# 2834
 Delta R.T. -0.17 min
 Lab File: BF095583.D
 Acq: 1 Jun 2017 1:29

Tgt Ion:240 Resp: 175574
 Ion Ratio Lower Upper
 240 100
 120 14.4 5.8 8.8#
 236 25.8 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

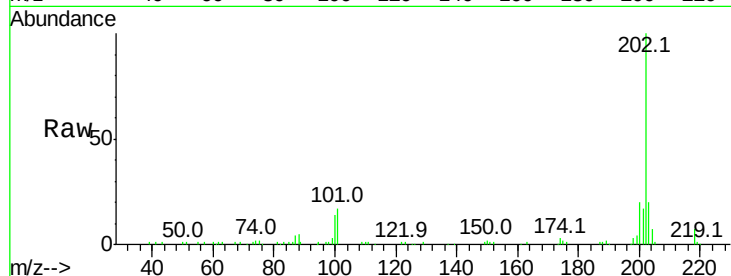




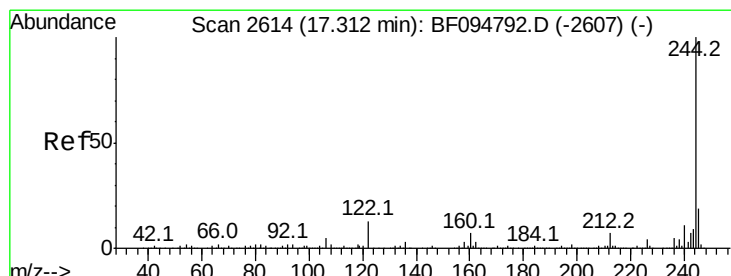
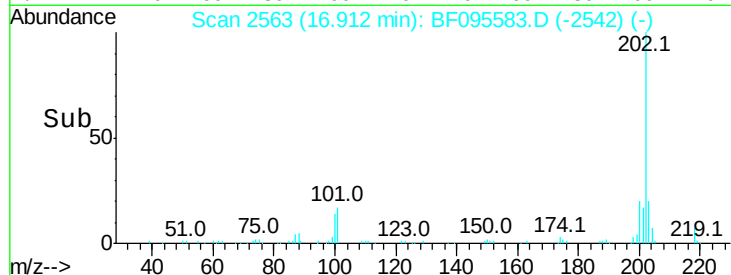
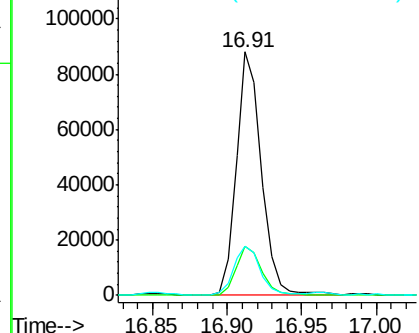
#77
Pvrene
Concen: 7.89 ng
RT: 16.91 min Scan# 2563
Delta R.T. -0.18 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	20.4	14.4	21.6

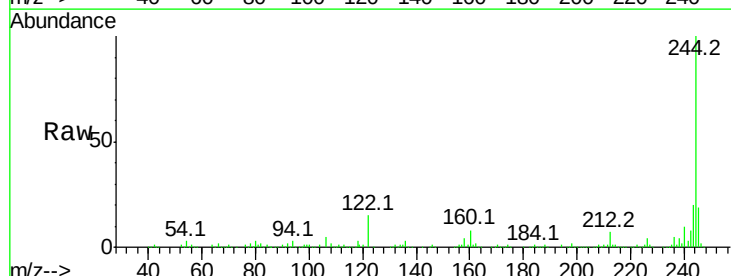


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

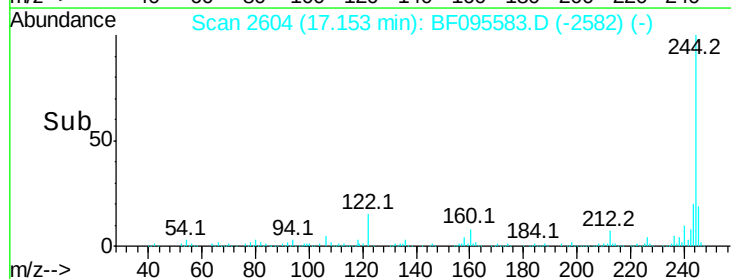
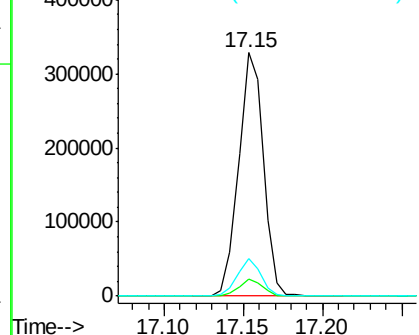


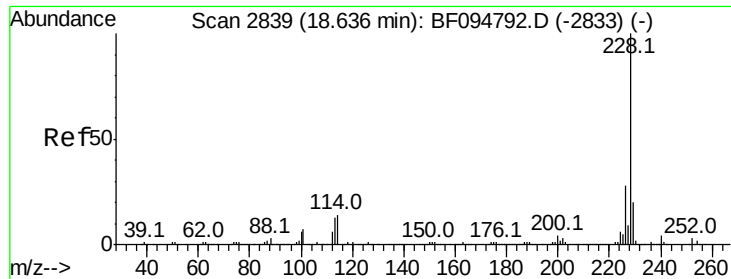
#78
Terphenyl-d14
Concen: 44.56 ng
RT: 17.15 min Scan# 2604
Delta R.T. -0.17 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.5	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: 5.15 ng

RT: 18.49 min Scan# 2832

Delta R.T. -0.17 min

Lab File: BF095583.D

Acq: 1 Jun 2017 1:29

Instrument :

BNA_F

ClientSampleId :

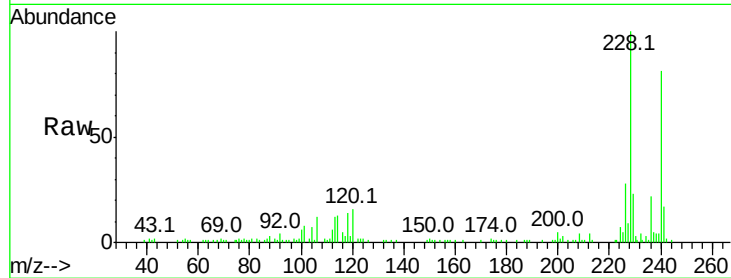
Tot Ion:228 Resp: 52651

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

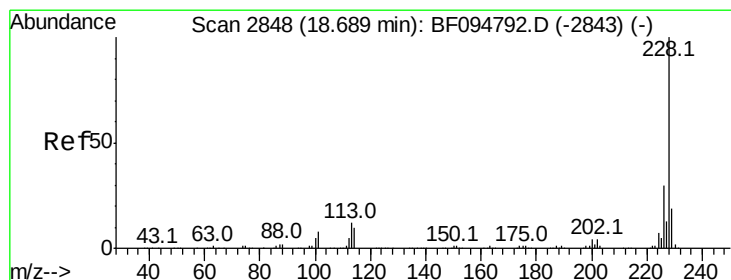
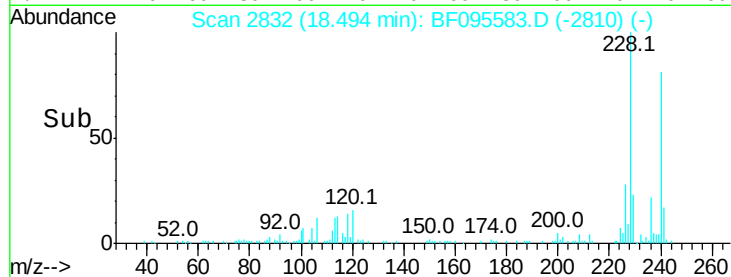
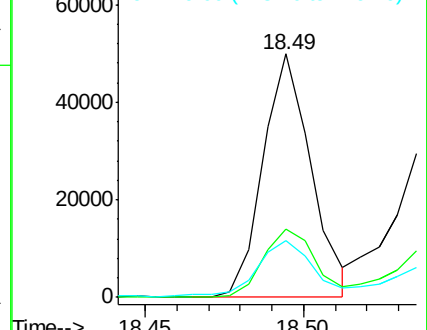
229 23.2 16.3 24.5



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: 4.96 ng

RT: 18.54 min Scan# 2840

Delta R.T. -0.17 min

Lab File: BF095583.D

Acq: 1 Jun 2017 1:29

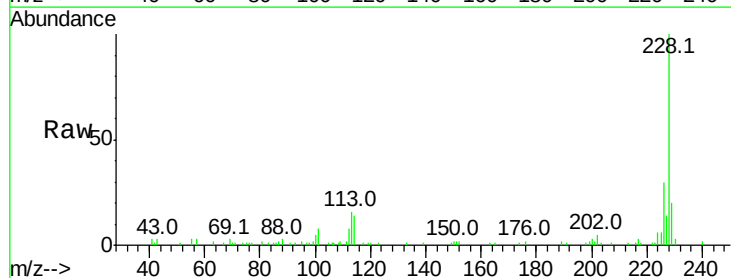
Tgt Ion:228 Resp: 48980

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

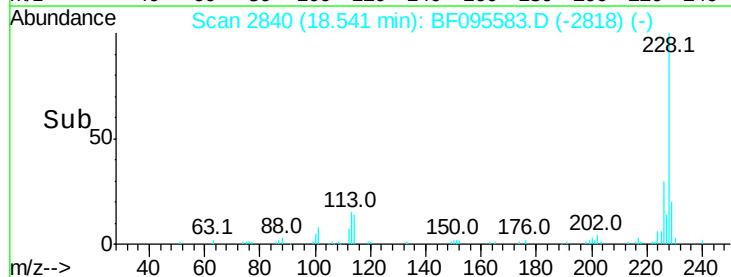
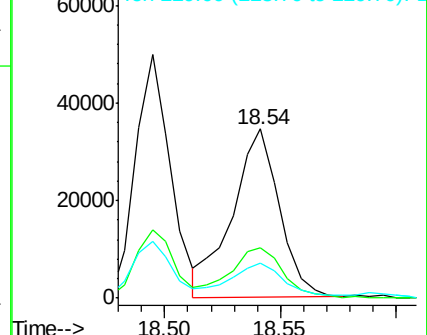
229 20.4 15.8 23.6

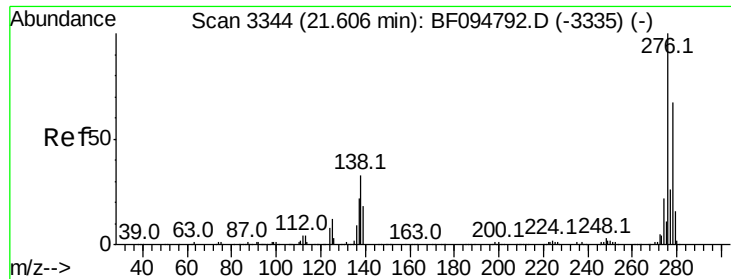


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

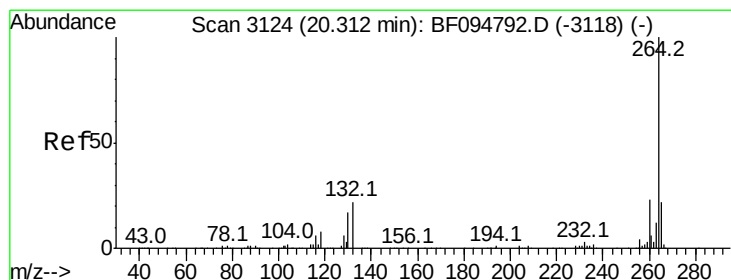
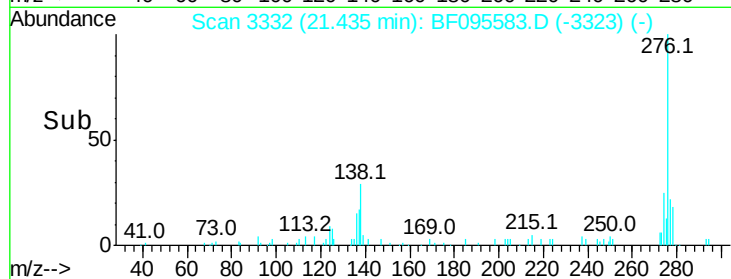
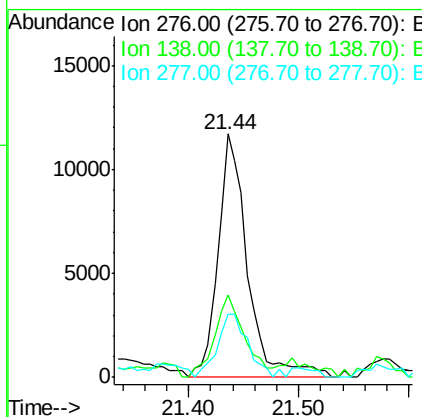
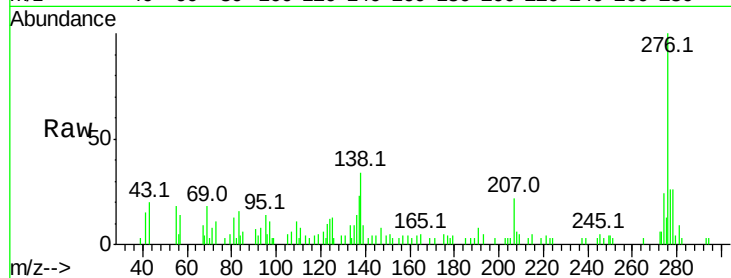




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.71 ng
RT: 21.44 min Scan# 3332
Delta R.T. -0.25 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

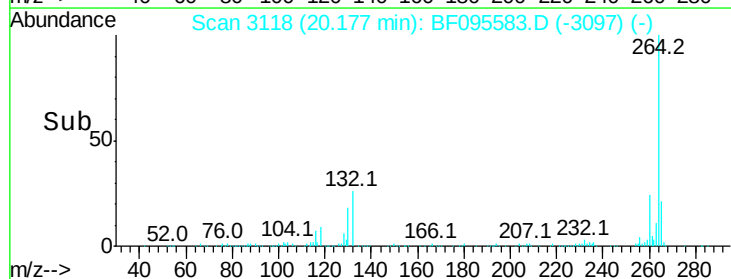
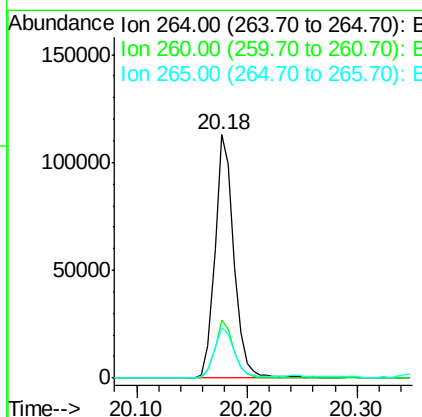
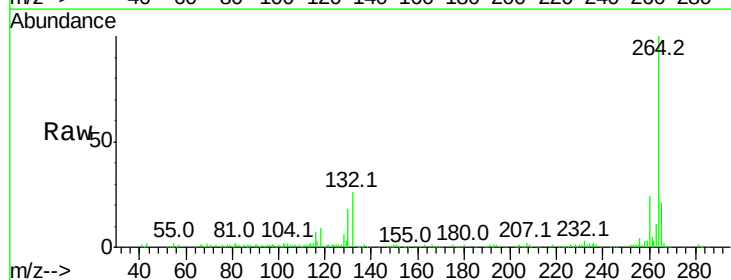
Instrument :
BNA_F
ClientSampleId :

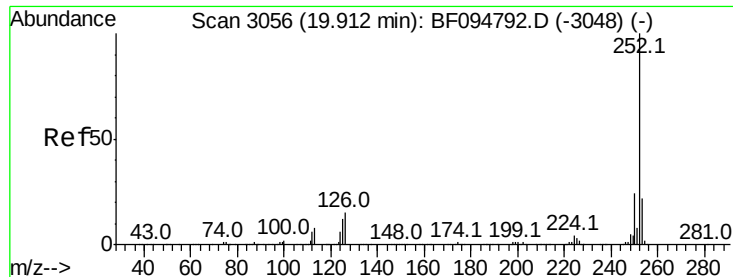
Tot Ion: 276 Resp: 21738
Ion Ratio Lower Upper
276 100
138 34.8 27.8 41.6
277 26.4 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.18 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

Tgt Ion: 264 Resp: 133647
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 20.9 17.2 25.8

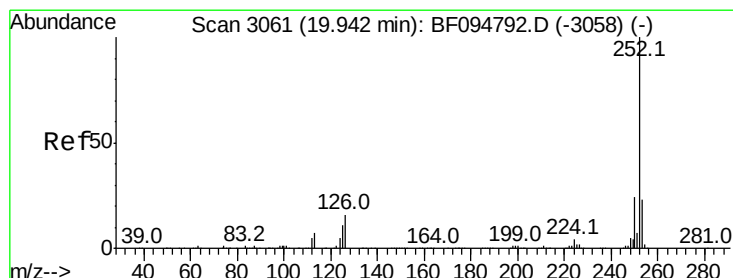
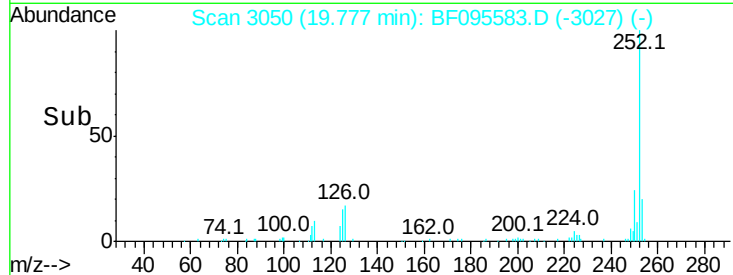
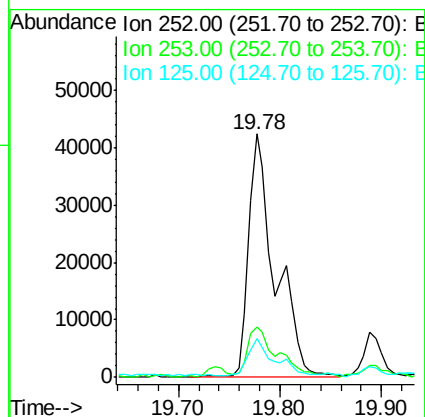
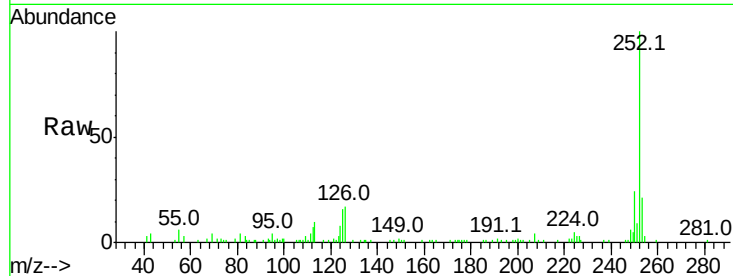




#87
Benzo(b)fluoranthene
Concen: 9.49 ng
RT: 19.78 min Scan# 3050
Delta R.T. -0.16 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

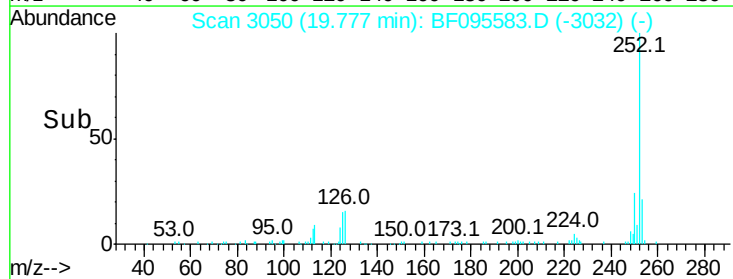
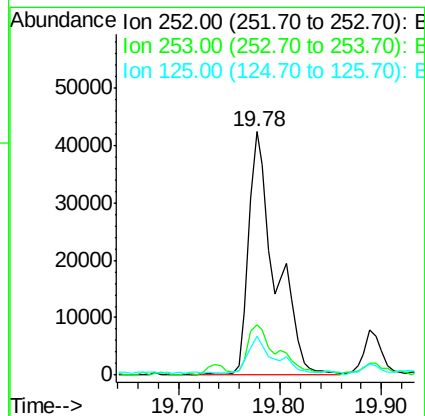
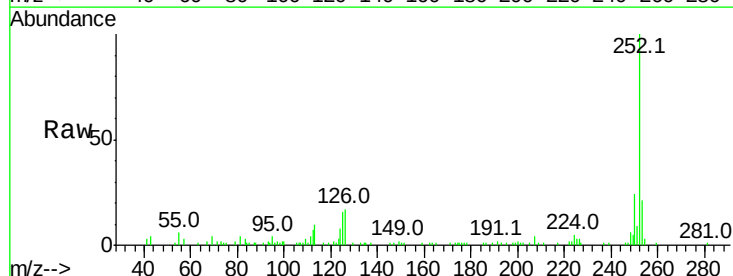
Instrument :
BNA_F
ClientSampleId :

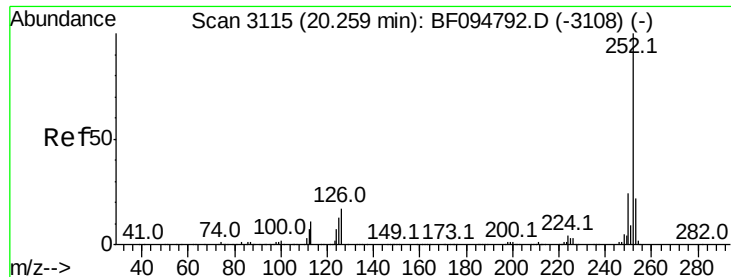
Tot Ion:252 Resp: 78359
Ion Ratio Lower Upper
252 100
253 20.9 18.1 27.1
125 16.1 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 9.84 ng
RT: 19.78 min Scan# 3050
Delta R.T. -0.19 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

Tgt Ion:252 Resp: 78359
Ion Ratio Lower Upper
252 100
253 20.9 18.4 27.6
125 16.1 13.1 19.7

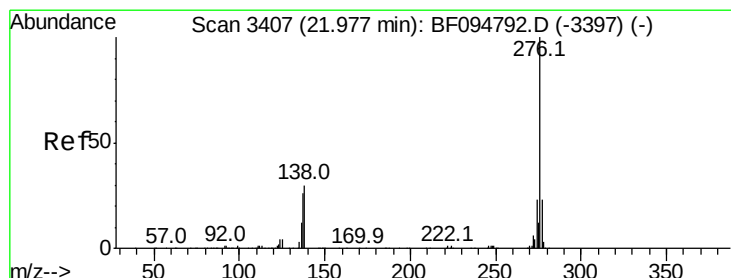
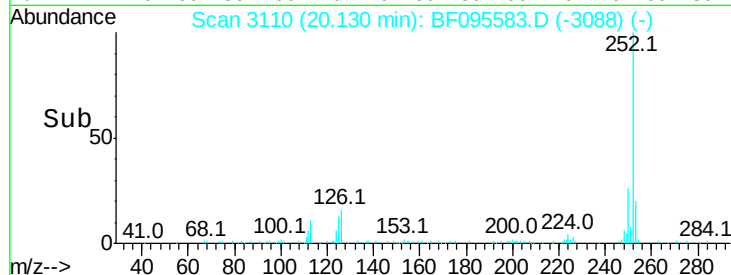
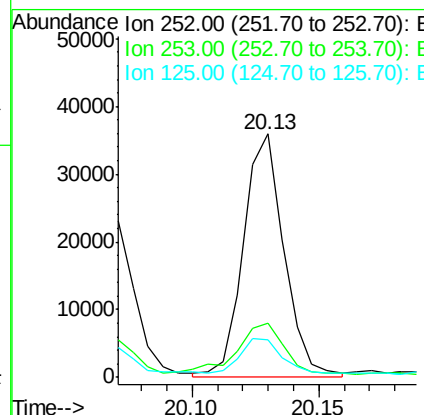
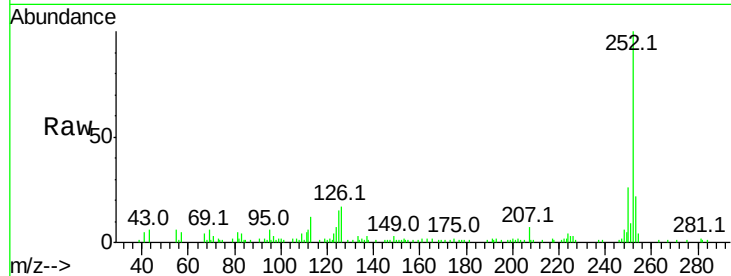




#89
Benzo(a)pyrene
Concen: 5.27 ng
RT: 20.13 min Scan# 3110
Delta R.T. -0.17 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	15.2	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 3.33 ng
RT: 21.80 min Scan# 3394
Delta R.T. -0.27 min
Lab File: BF095583.D
Acq: 1 Jun 2017 1:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.6	28.0
138	27.8	25.4	38.0

