

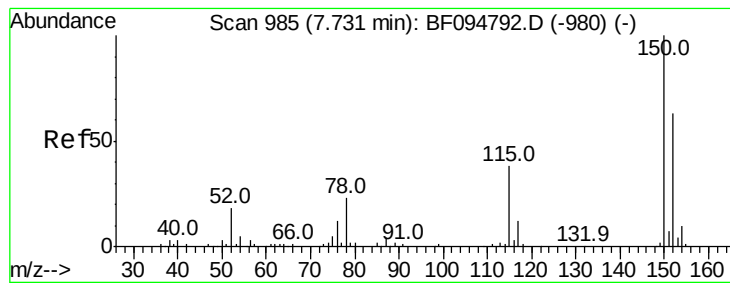
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095517.D
 Acq On : 28 May 2017 2:06
 Operator : SJ/MA
 Sample : I3244-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:19:00 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	7.74	152	100681	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	382355	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	153247	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	219903	20.00	ng	0.00
75) Chrysene-d12	18.67	240	212007	20.00	ng	0.00
86) Perylene-d12	20.35	264	176083	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	631363	104.55	ng	0.00
7) Phenol-d6	7.28	99	704615	97.25	ng	-0.01
23) Nitrobenzene-d5	8.64	82	429073	70.76	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	114103	90.92	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	753140	70.74	ng	0.00
78) Terphenyl-d14	17.31	244	418788	43.51	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.64	70	47060	9.60	ng	Qvalue # 77
49) Dimethylphthalate	12.24	163	88306	7.02	ng	98
70) Phenanthrene	15.04	178	94455	7.48	ng	99
74) Fluoranthene	16.78	202	137359	10.60	ng	99
77) Pyrene	17.09	202	124187	7.83	ng	97
80) Benzo(a)anthracene	18.66	228	62150	5.04	ng	96
82) Chrysene	18.71	228	64568	5.41	ng	99
85) Indeno(1,2,3-cd)pyrene	21.71	276	26581	2.74	ng	96
87) Benzo(b)fluoranthene	19.95	252	71880	6.61	ng	# 95
88) Benzo(k)fluoranthene	19.95	252	71880	6.85	ng	98
89) Benzo(a)pyrene	20.30	252	50197	5.00	ng	97
91) Benzo(a,h,i)perylene	22.11	276	22299	2.74	ng	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.74 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

ClientSampleId :

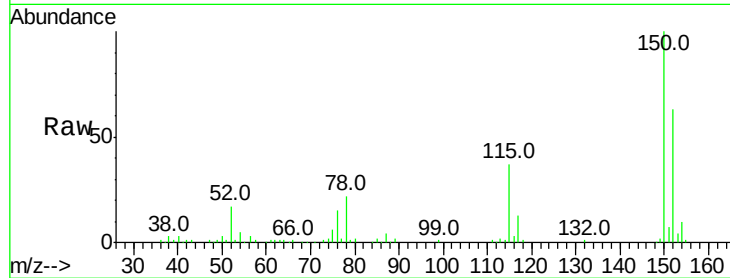
Tot Ion:152 Resp: 100681

Ion Ratio Lower Upper

152 100

150 158.4 126.2 189.2

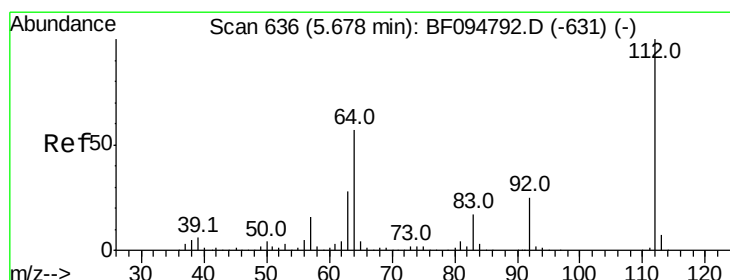
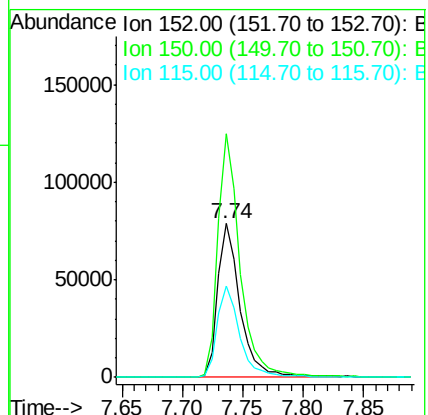
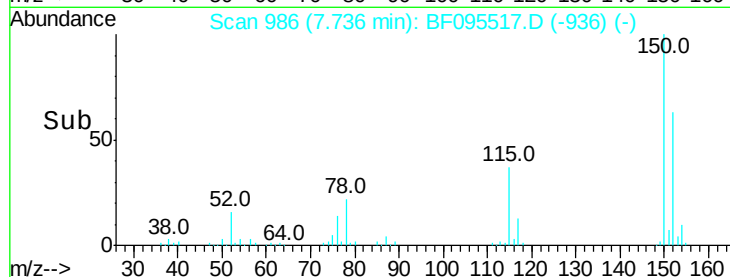
115 59.1 52.2 78.2



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: 104.55 ng

RT: 5.70 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

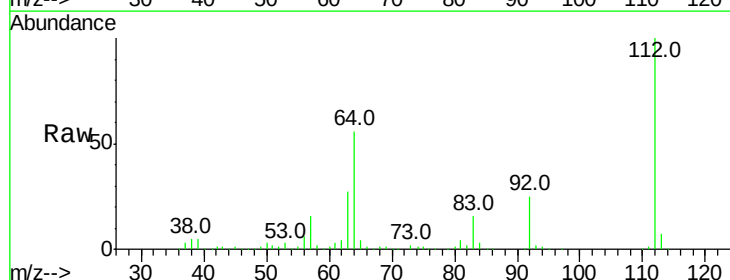
Tgt Ion:112 Resp: 631363

Ion Ratio Lower Upper

112 100

64 55.8 46.0 69.0

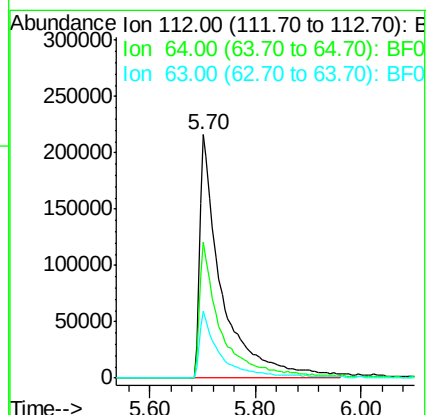
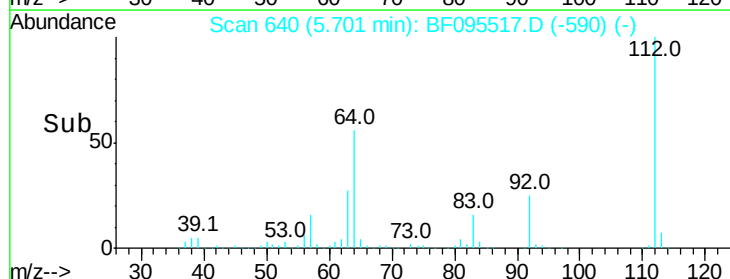
63 27.3 23.4 35.0

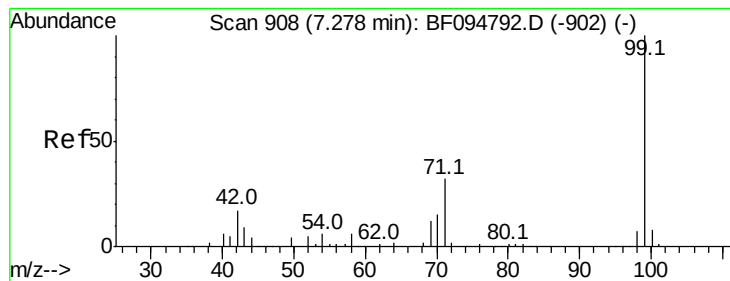


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.25 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

ClientSampled :

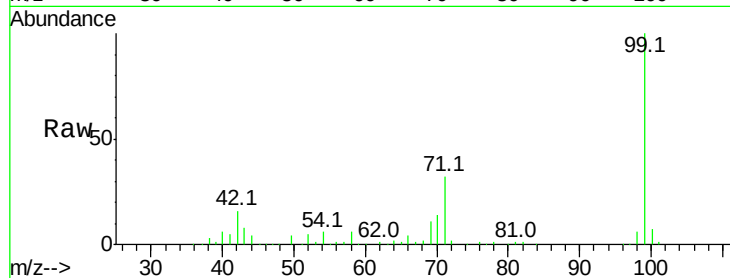
Tot Ion: 99 Resp: 704615

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

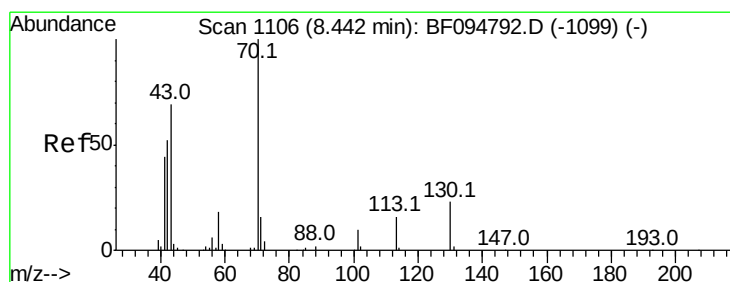
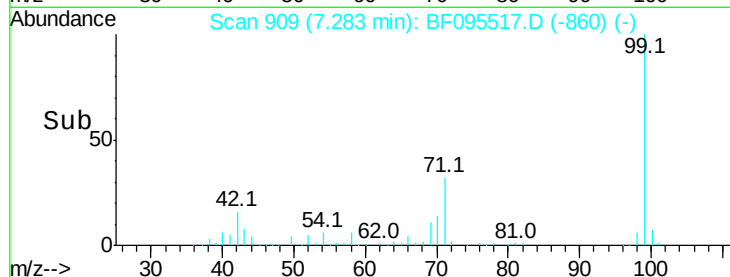
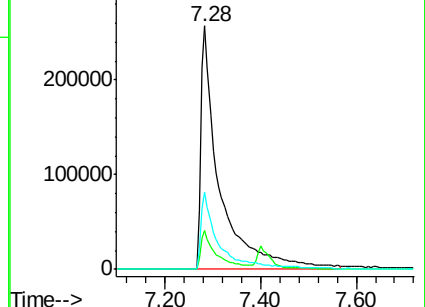
71 31.6 24.5 36.7



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: 9.60 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Tgt Ion: 70 Resp: 47060

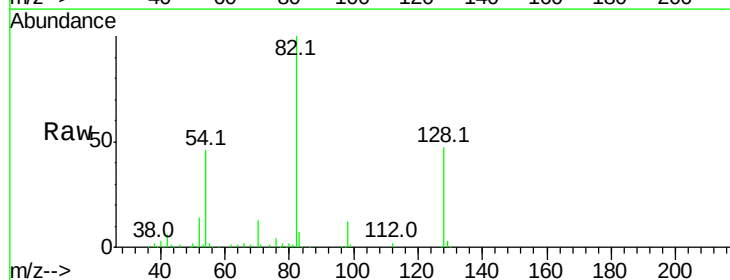
Ion Ratio Lower Upper

70 100

42 44.7 47.2 70.8#

101 0.0 7.2 10.8#

130 3.5 15.9 23.9#

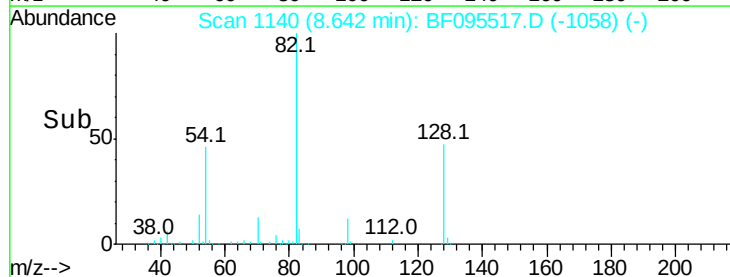
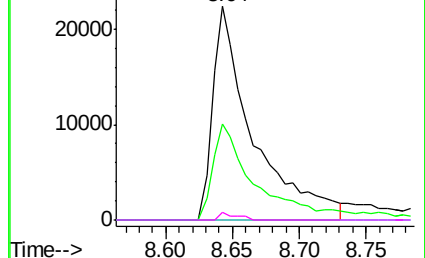


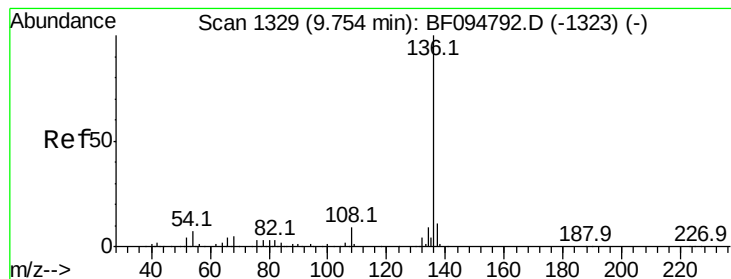
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 382355

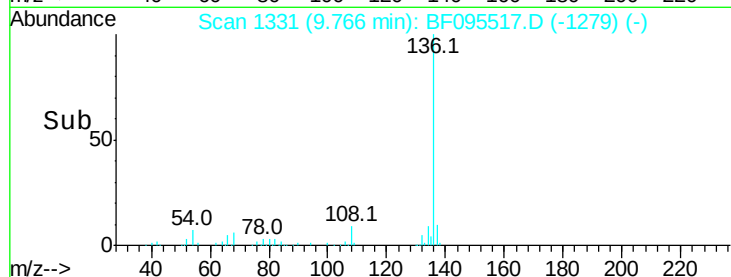
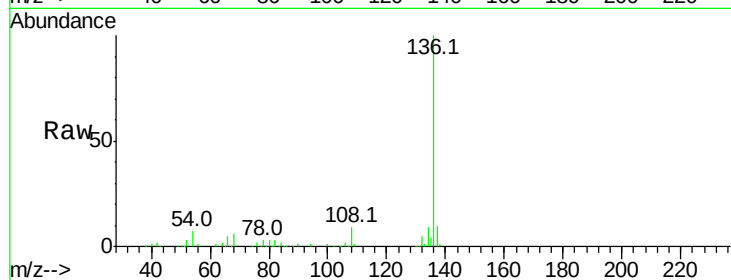
Ion Ratio Lower Upper

136 100

137 10.0 8.5 12.7

54 6.9 4.9 7.3

68 6.1 4.1 6.1

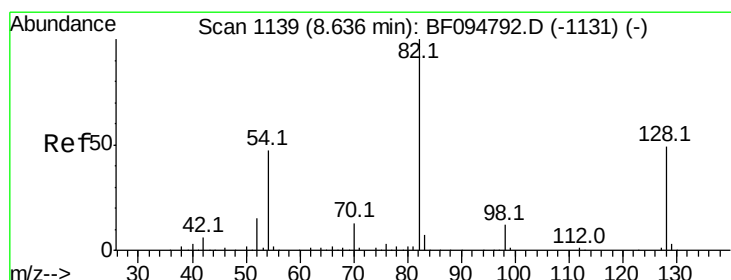
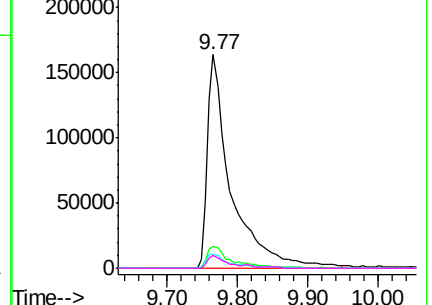


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.76 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

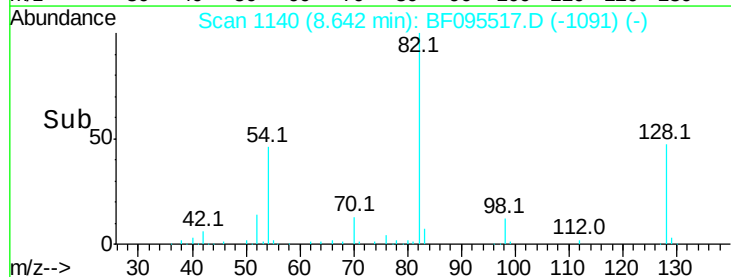
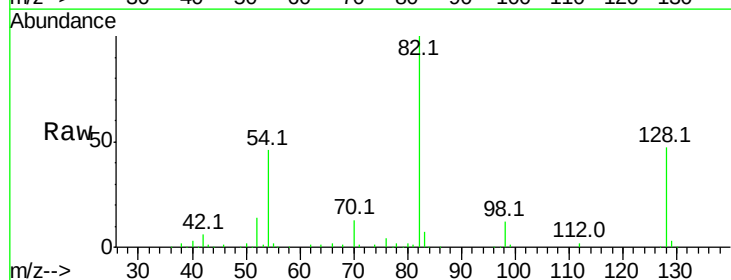
Tgt Ion: 82 Resp: 429073

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

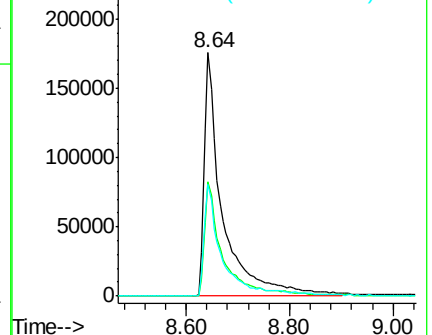
54 46.2 42.2 63.2

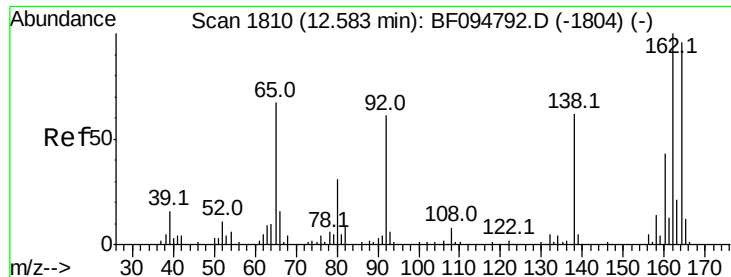


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.59 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

ClientSampleId :

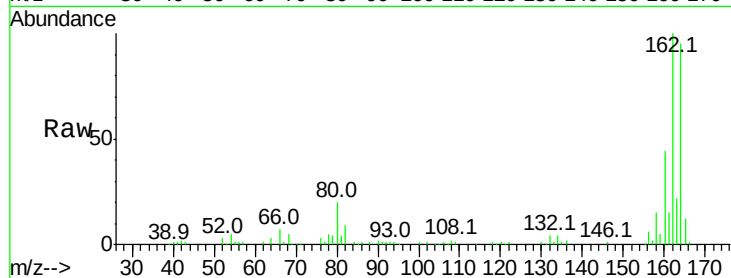
Tot Ion:164 Resp: 153247

Ion Ratio Lower Upper

164 100

162 105.0 82.6 123.8

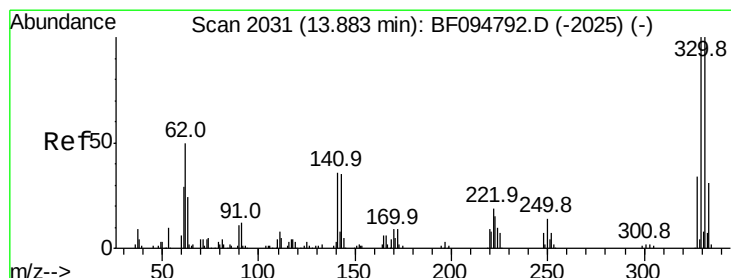
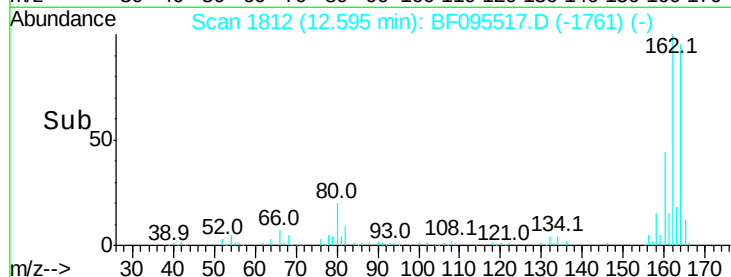
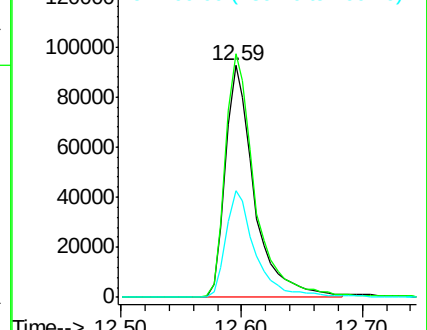
160 46.2 36.2 54.2



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: 90.92 ng

RT: 13.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

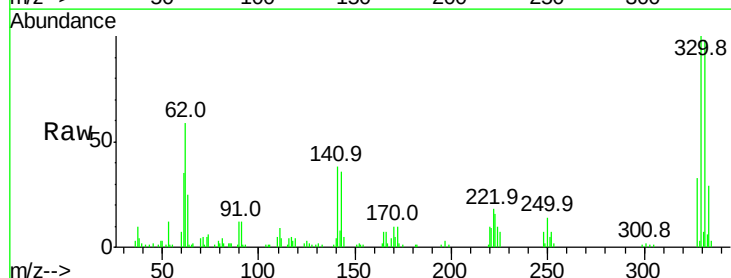
Tgt Ion:330 Resp: 114103

Ion Ratio Lower Upper

330 100

332 99.5 76.6 115.0

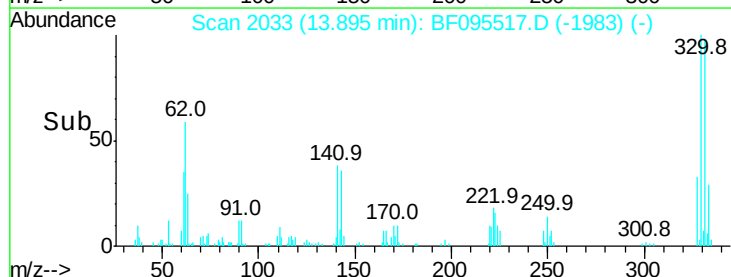
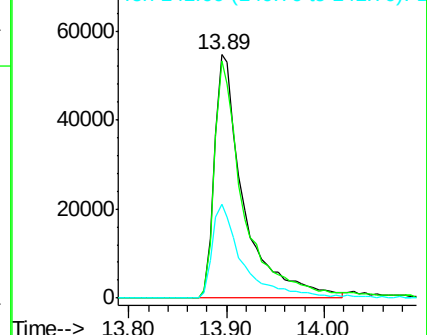
141 40.7 31.4 47.2

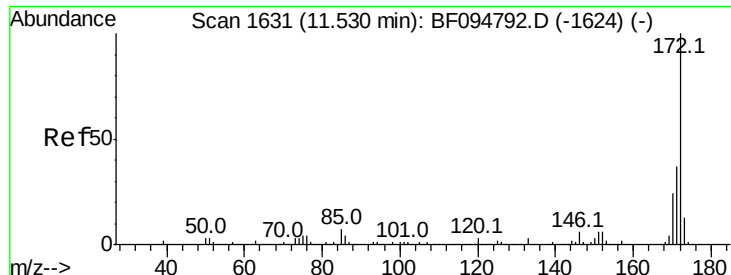


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

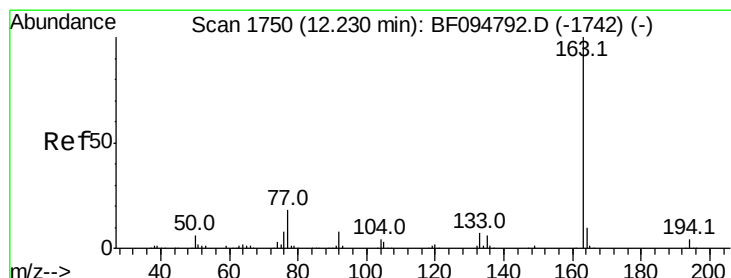
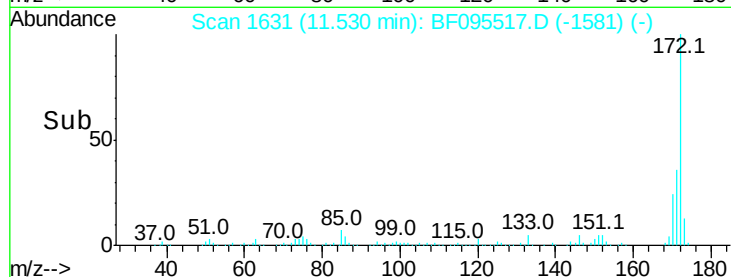
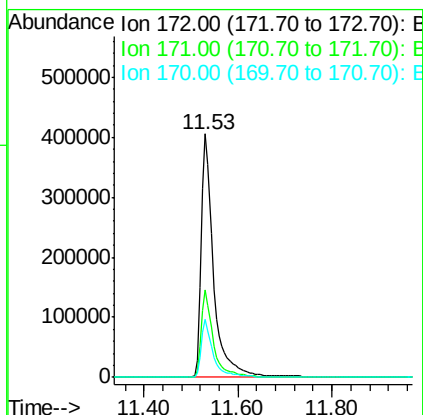
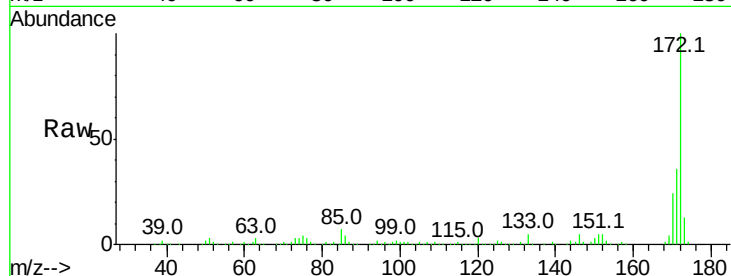




#44
2-Fluorobiphenyl
Concen: 70.74 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

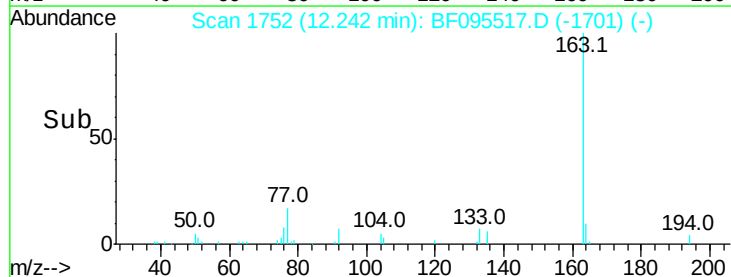
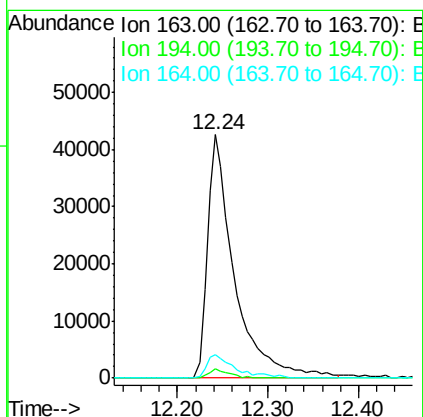
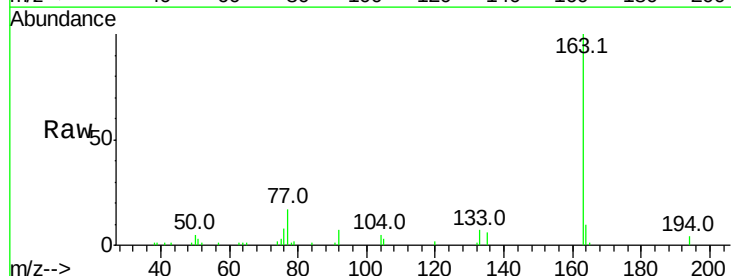
Instrument :
BNA_F
ClientSampleId :

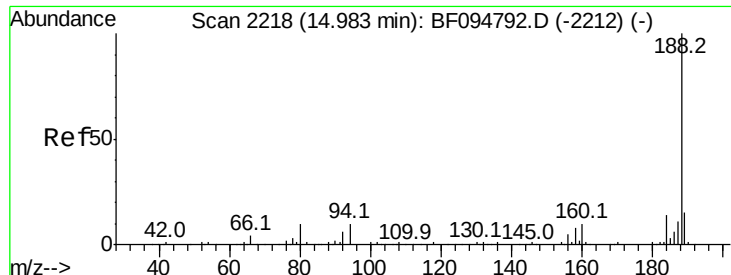
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.9	19.8	29.8



#49
Dimethylphthalate
Concen: 7.02 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.9	8.4	12.6

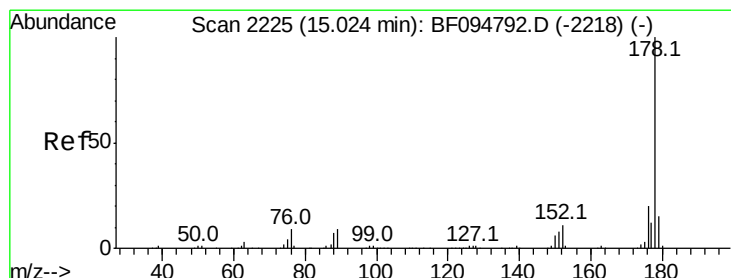
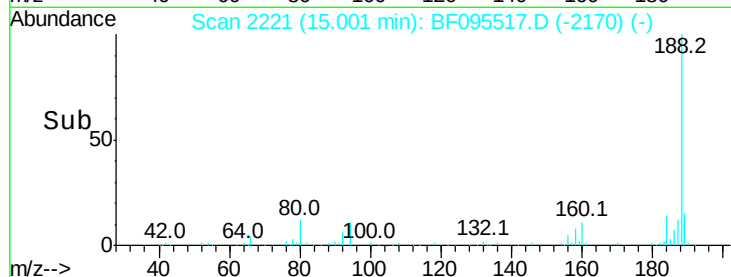
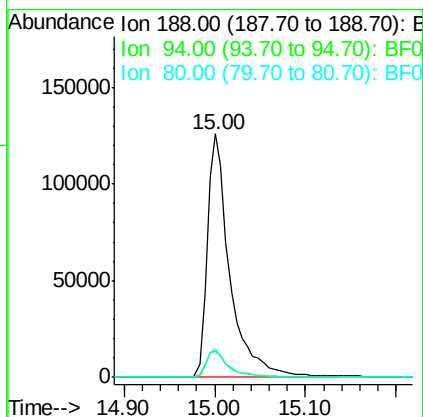
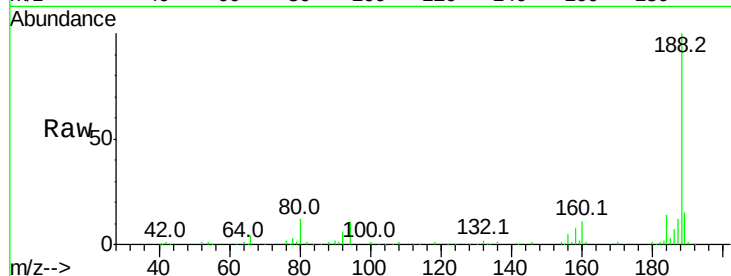




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

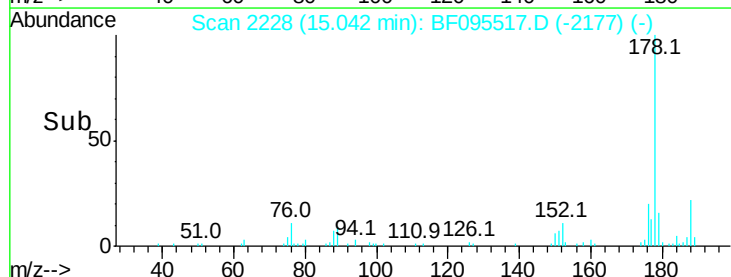
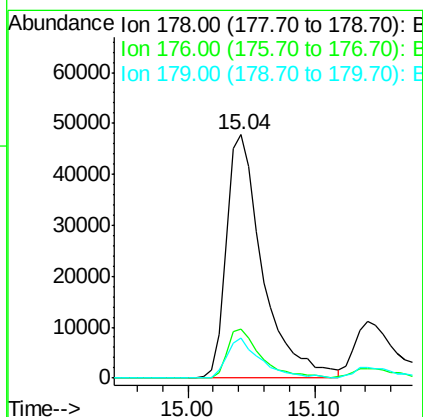
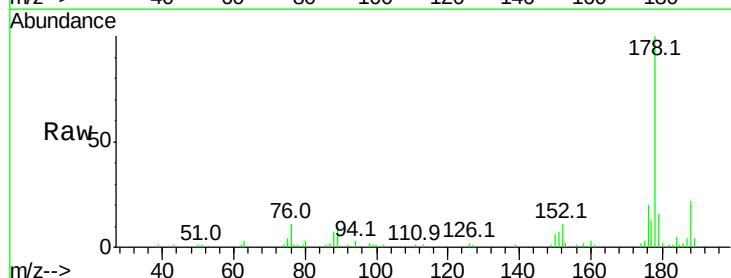
Instrument :
 BNA_F
 ClientSampleId :

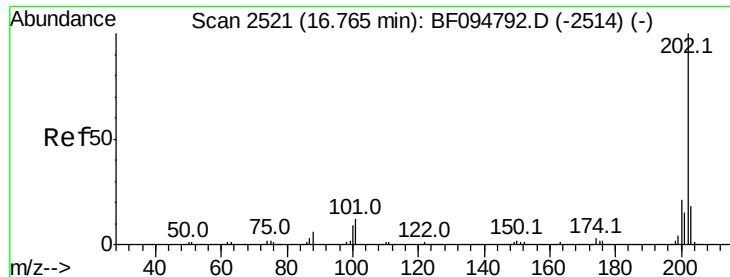
Tot Ion:188 Resp: 219903
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.4 14.2
 80 11.9 10.2 15.2



#70
 Phenanthrene
 Concen: 7.48 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.00 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

Tgt Ion:178 Resp: 94455
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 16.3 12.6 19.0

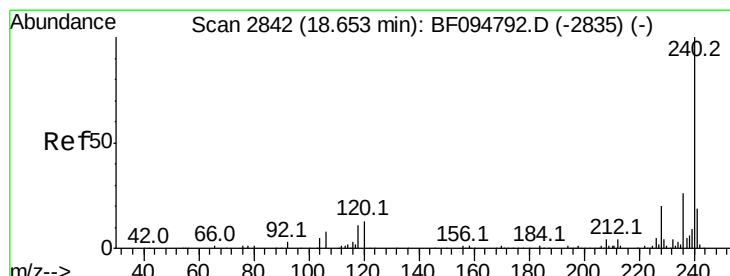
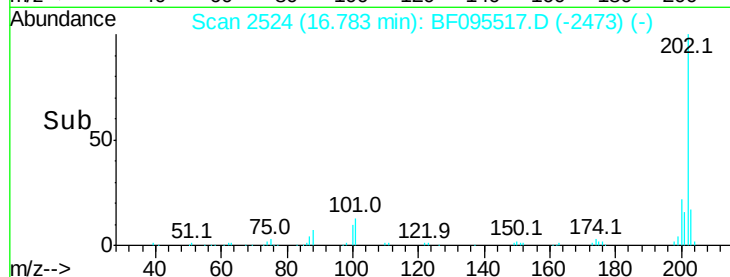
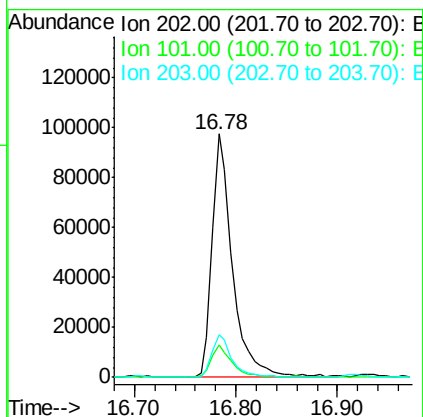
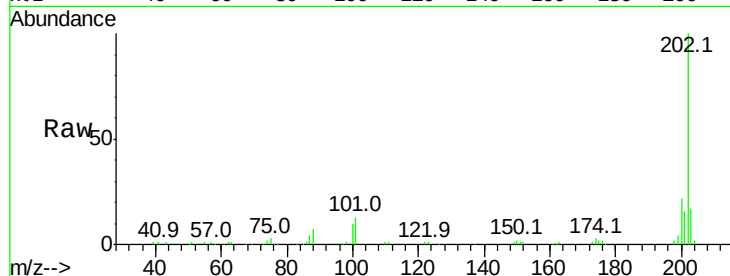




#74
 Fluoranthene
 Concen: 10.60 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. -0.00 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

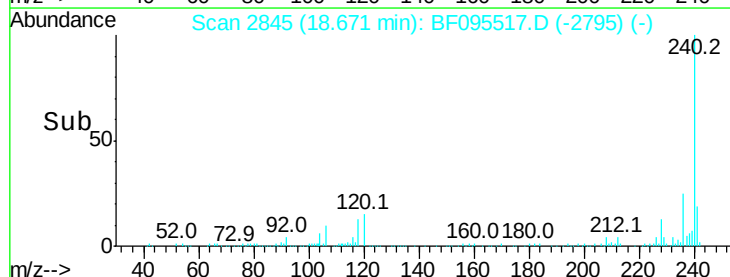
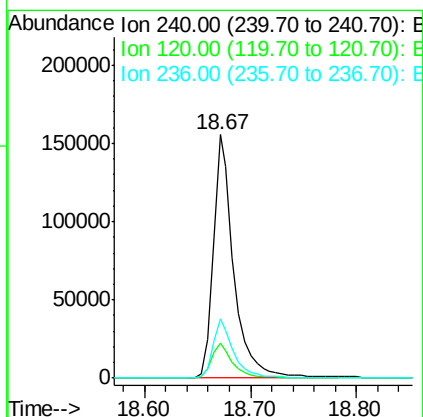
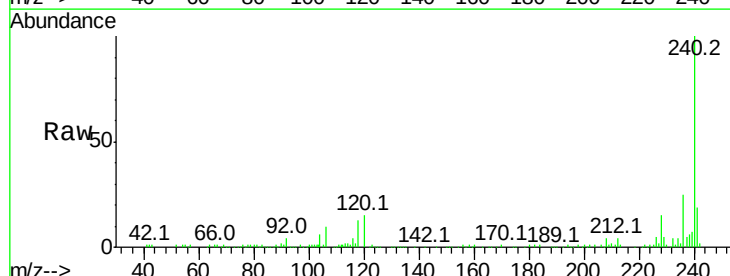
Instrument :
 BNA_F
 ClientSampleId :

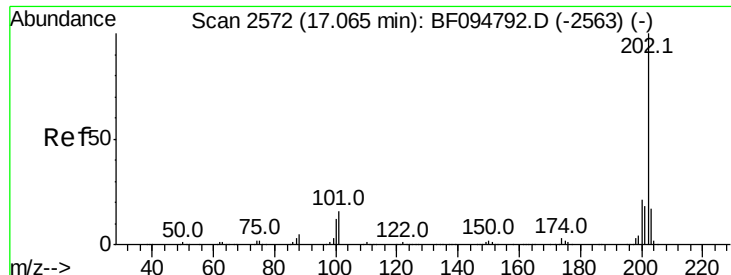
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	24.5	20.5	30.7





#77

Pvrene

Concen: 7.83 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

ClientSampled :

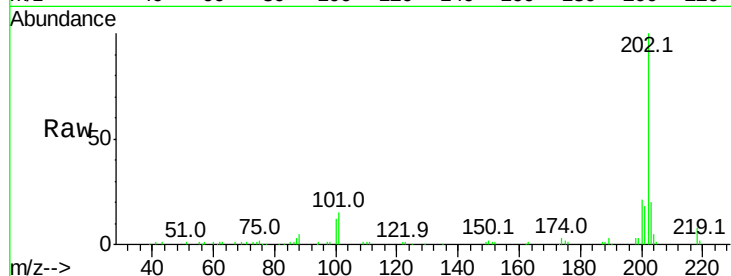
Tot Ion:202 Resp: 124187

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

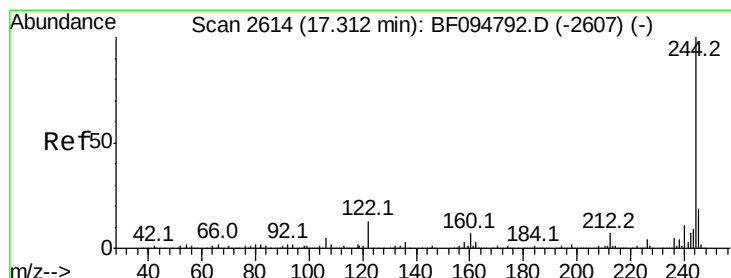
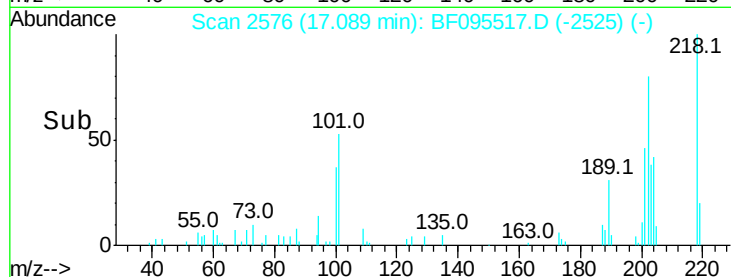
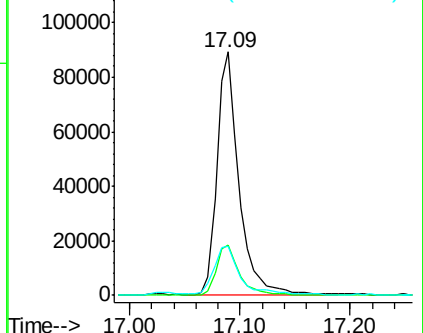
203 19.9 14.4 21.6



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: 43.51 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

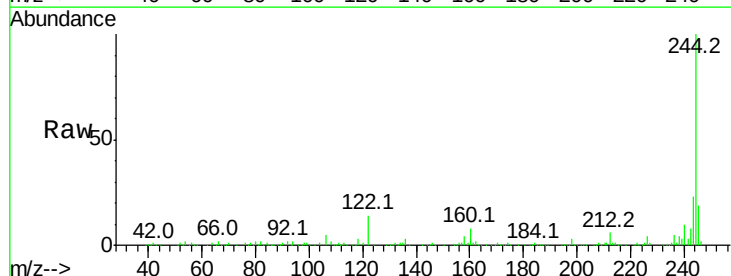
Tgt Ion:244 Resp: 418788

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

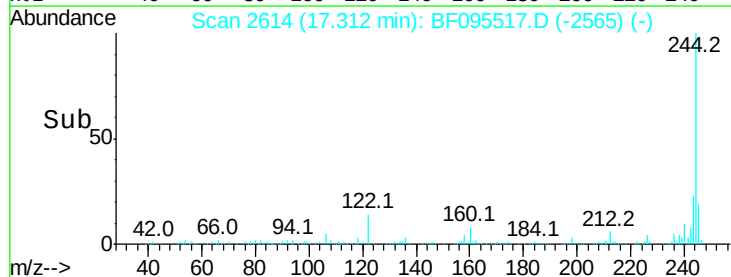
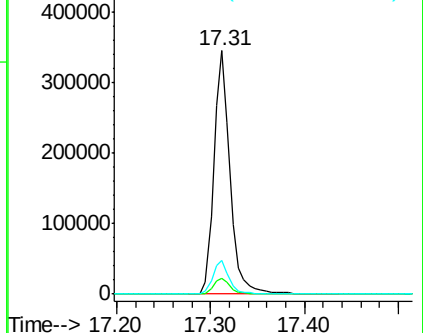
122 13.6 10.3 15.5

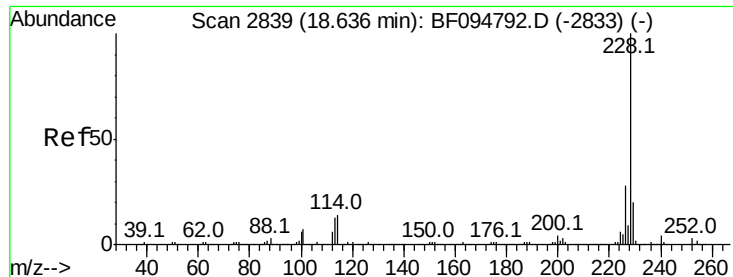


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

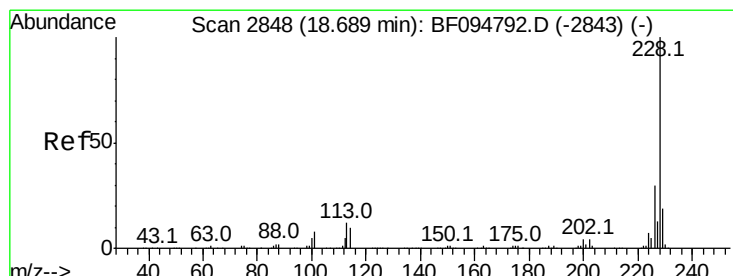
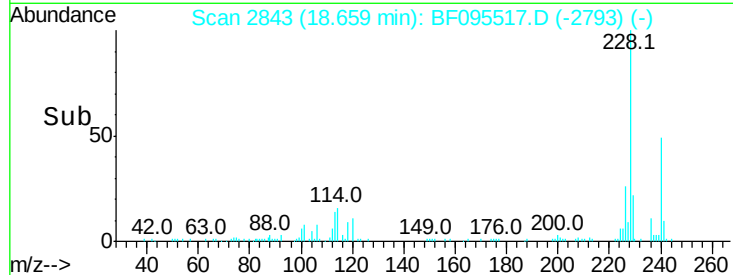
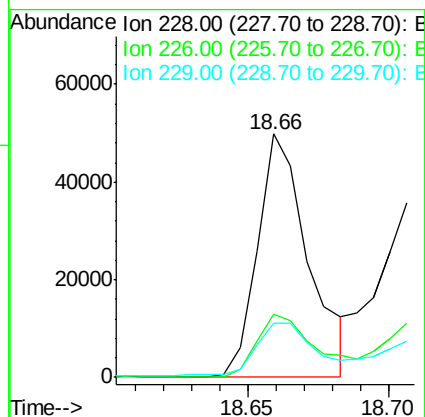
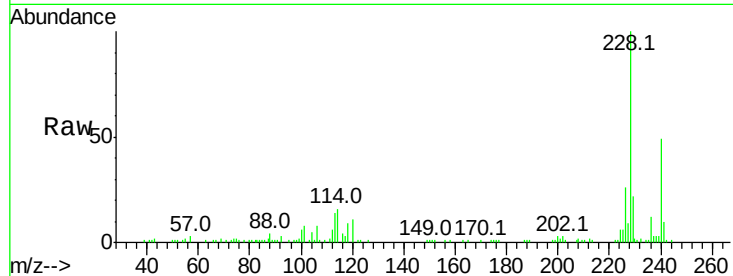




#80
Benzo(a)anthracene
Concen: 5.04 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

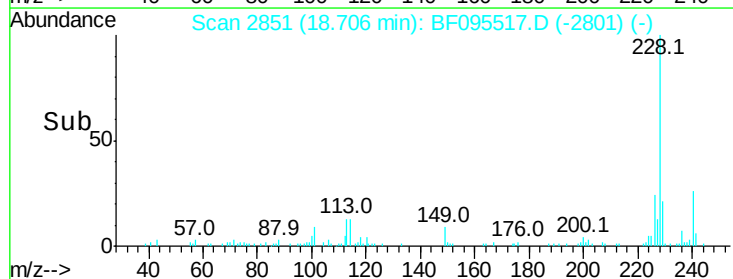
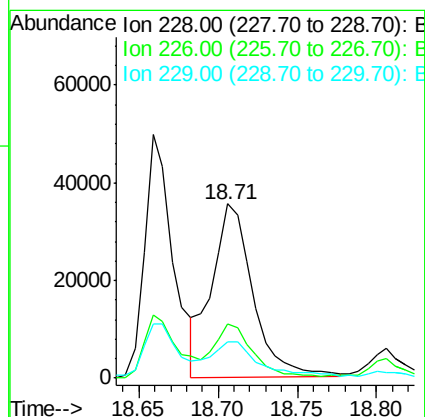
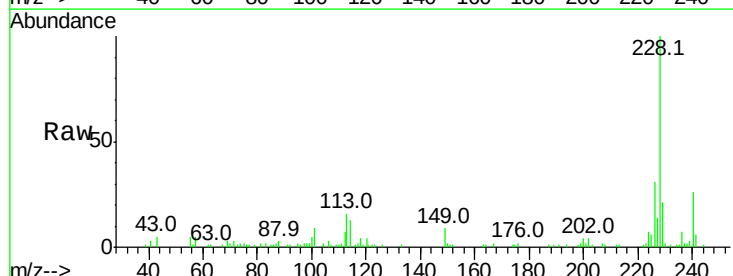
Instrument :
BNA_F
ClientSampleId :

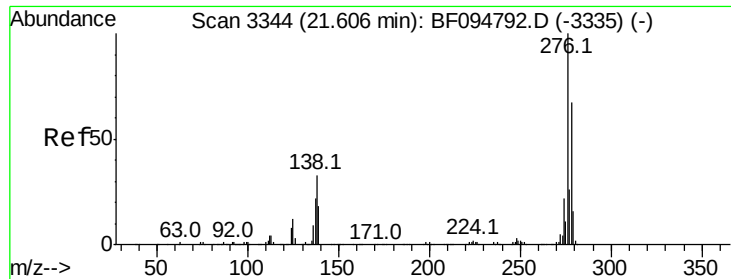
Tot Ion:228 Resp: 62150
Ion Ratio Lower Upper
228 100
226 26.0 22.6 33.8
229 22.0 16.3 24.5



#82
Chrysene
Concen: 5.41 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Tgt Ion:228 Resp: 64568
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 20.5 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.74 ng

RT: 21.71 min Scan# 3362

Delta R.T. 0.03 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

ClientSampled :

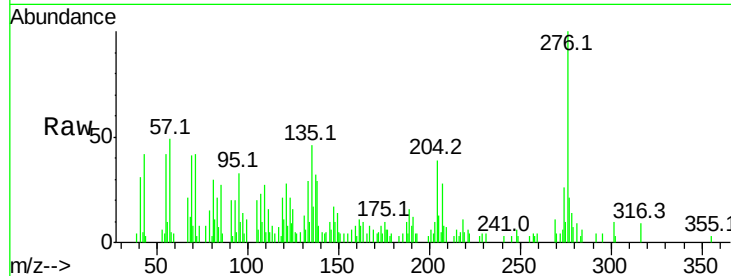
Tot Ion:276 Resp: 26581

Ion Ratio Lower Upper

276 100

138 38.6 27.8 41.6

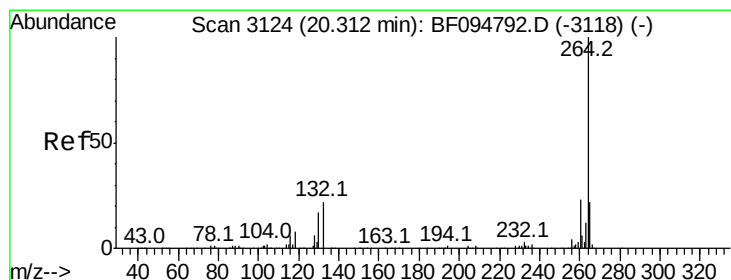
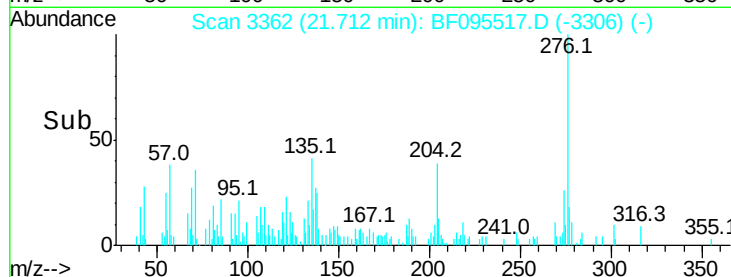
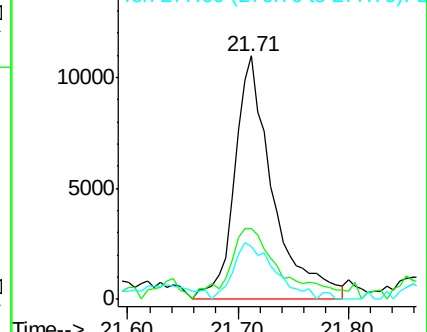
277 24.8 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.35 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

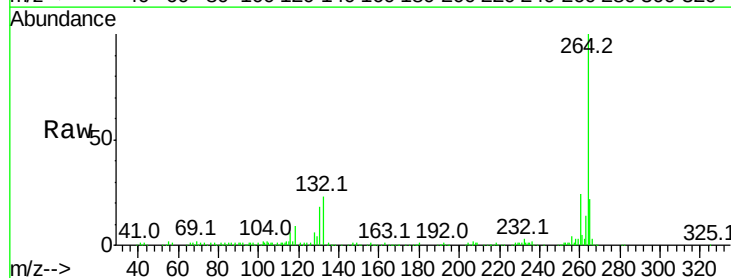
Tgt Ion:264 Resp: 176083

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

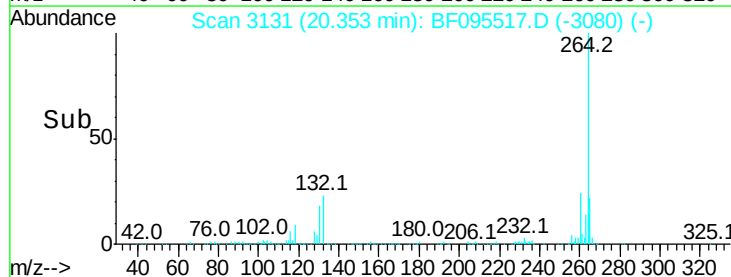
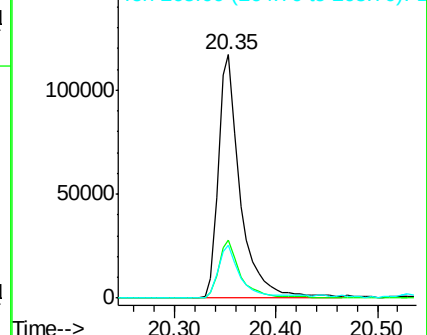
265 21.7 17.2 25.8

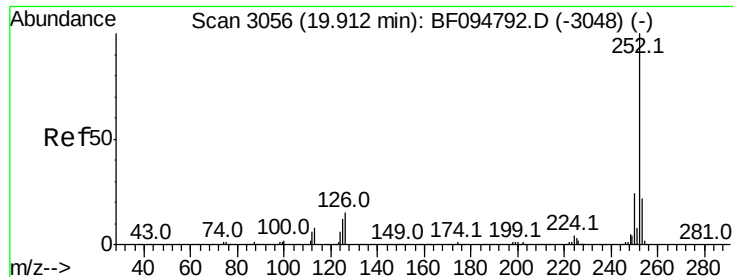


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

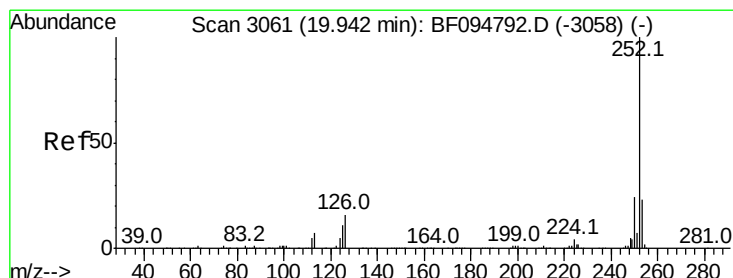
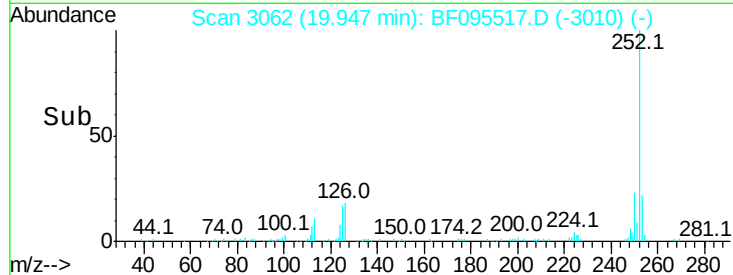
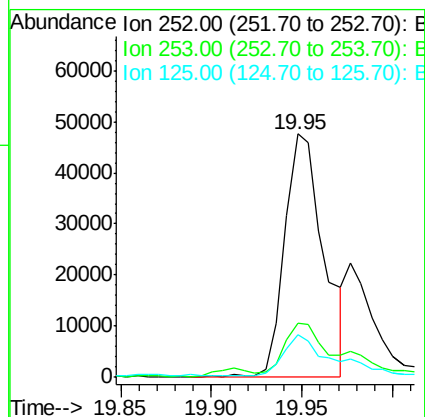
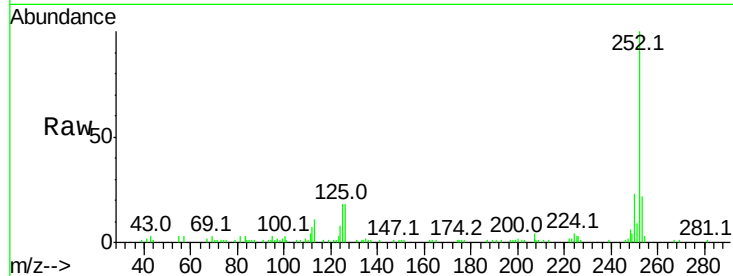




#87
Benzo(b)fluoranthene
Concen: 6.61 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

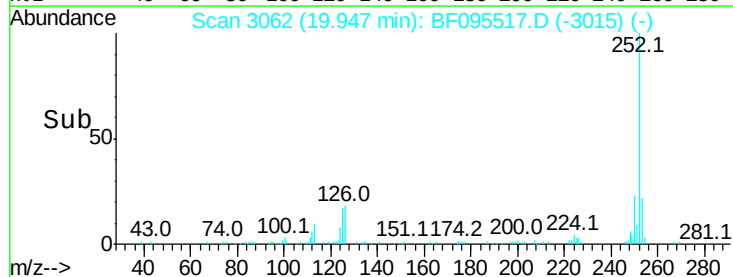
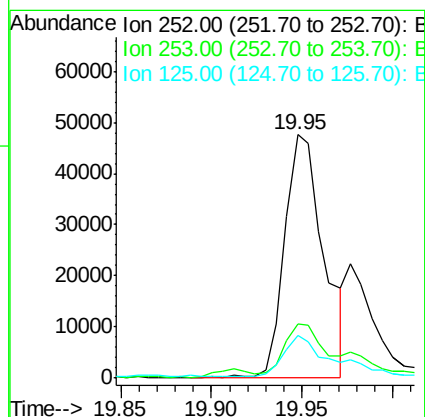
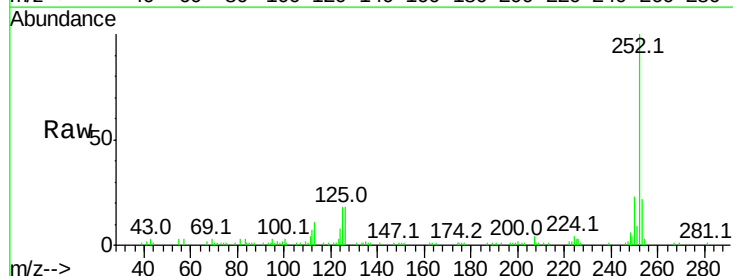
Instrument :
BNA_F
ClientSampleId :

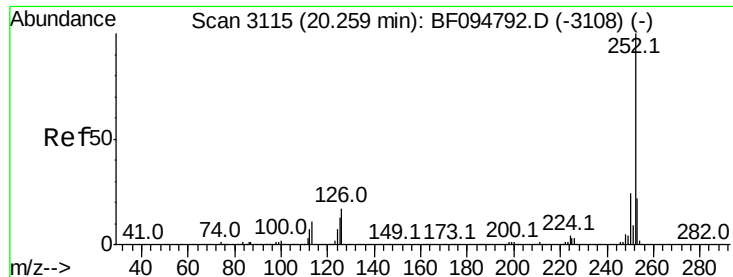
Tot Ion:252 Resp: 71880
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 17.6 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 6.85 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Tgt Ion:252 Resp: 71880
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 17.6 13.1 19.7

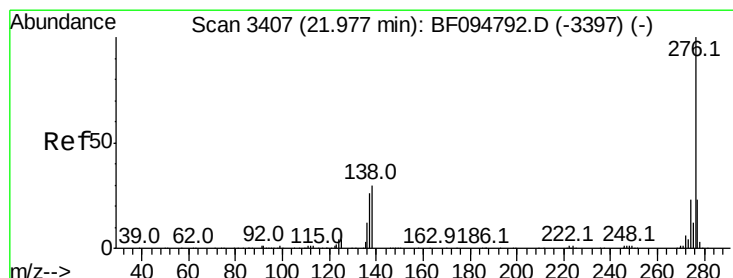
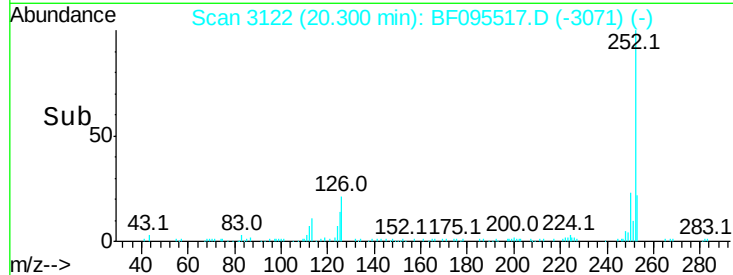
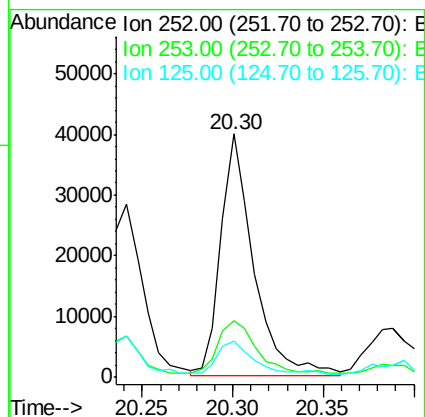
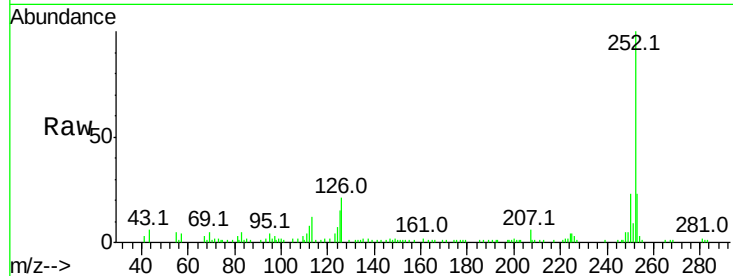




#89
Benzo(a)pyrene
Concen: 5.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	14.9	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 2.74 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.04 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.4	18.6	28.0#
138	32.8	25.4	38.0

