

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
 Data File : BF095282.D
 Acq On : 20 May 2017 1:23
 Operator : SJ/MA
 Sample : I3202-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 02:32:14 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

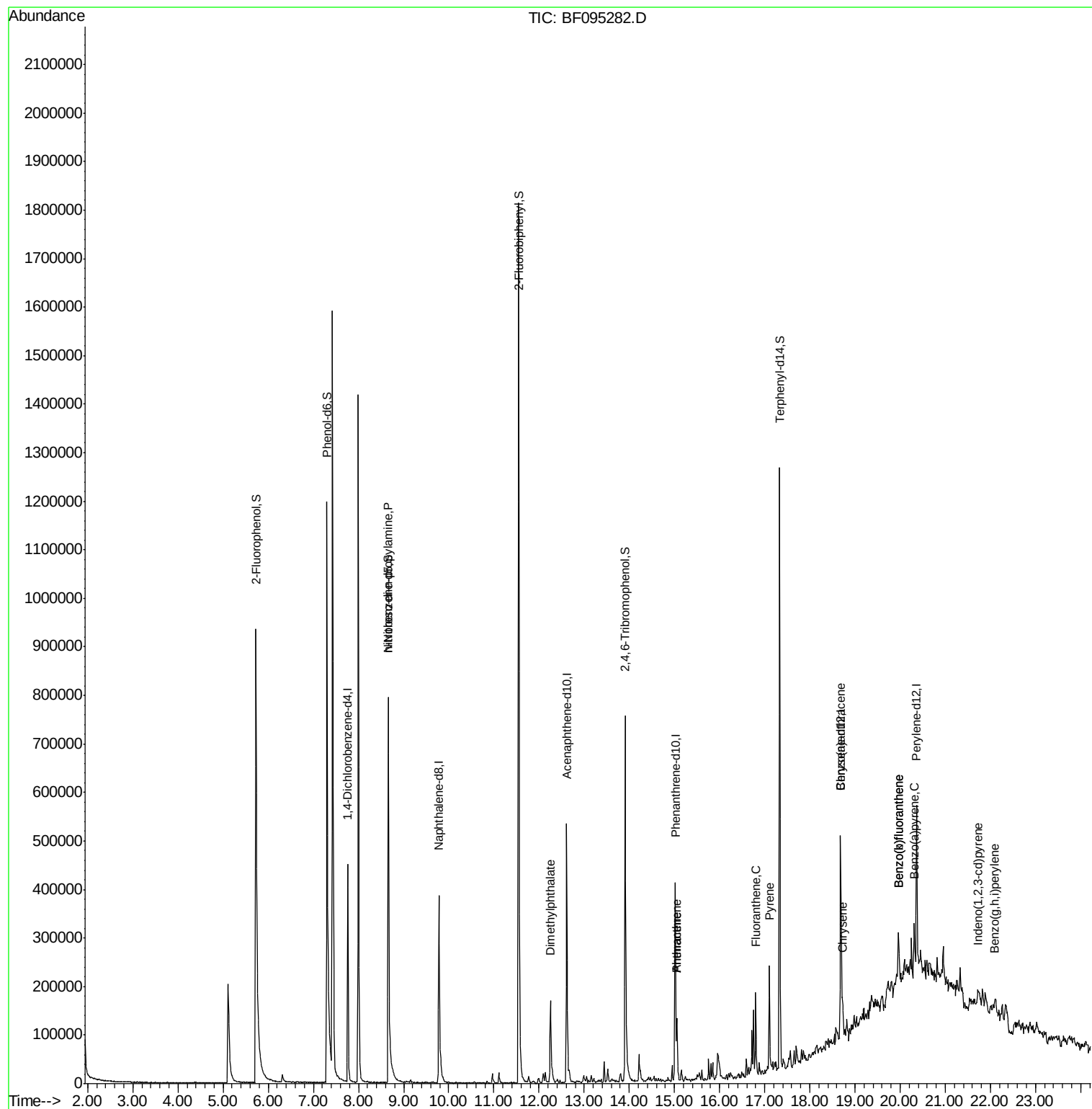
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	101050	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	362045	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	168859	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	257103	20.00	ng	0.00
75) Chrysene-d12	18.69	240	187341	20.00	ng	0.00
86) Perylene-d12	20.36	264	163886	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	669169	110.41	ng	-0.01
7) Phenol-d6	7.30	99	860834	118.37	ng	-0.01
23) Nitrobenzene-d5	8.66	82	487755	84.95	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	146212	105.73	ng	-0.01
44) 2-Fluorobiphenyl	11.55	172	919543	78.38	ng	-0.01
78) Terphenyl-d14	17.33	244	502004	59.02	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.66	70	60096	12.22	ng	Qvalue # 73
49) Dimethylphthalate	12.25	163	143620	10.36	ng	99
70) Phenanthrene	15.05	178	77332	5.23	ng	99
71) Anthracene	15.05	178	77332	5.12	ng	99
74) Fluoranthene	16.80	202	98282	6.49	ng	98
77) Pyrene	17.10	202	112783	8.05	ng	96
80) Benzo(a)anthracene	18.68	228	38865	3.56	ng	# 94
82) Chrysene	18.72	228	45535	4.32	ng	# 93
85) Indeno(1,2,3-cd)pyrene	21.72	276	18273	2.13	ng	# 92
87) Benzo(b)fluoranthene	19.96	252	66189	6.54	ng	# 93
88) Benzo(k)fluoranthene	19.96	252	66740	6.83	ng	97
89) Benzo(a)pyrene	20.31	252	38584	4.13	ng	# 84
91) Benzo(a,h,i)perylene	22.11	276	21303	2.81	ng	97

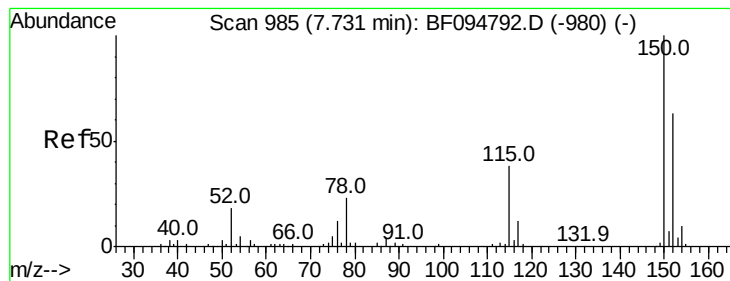
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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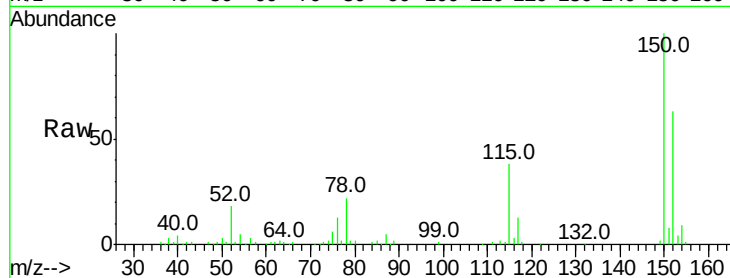


#1

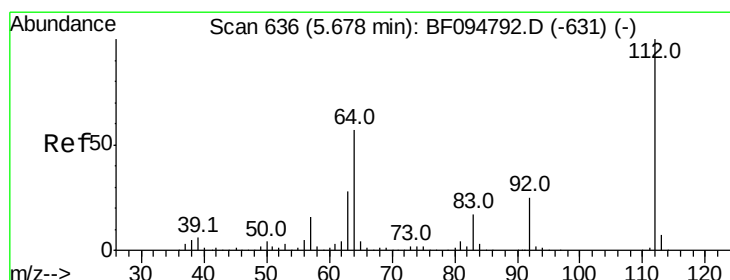
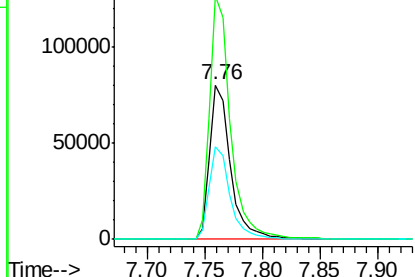
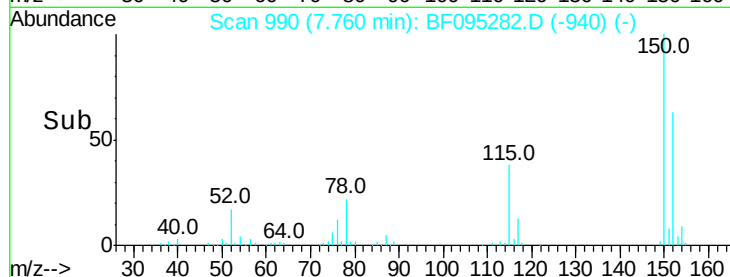
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101050
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 59.6 52.2 78.2



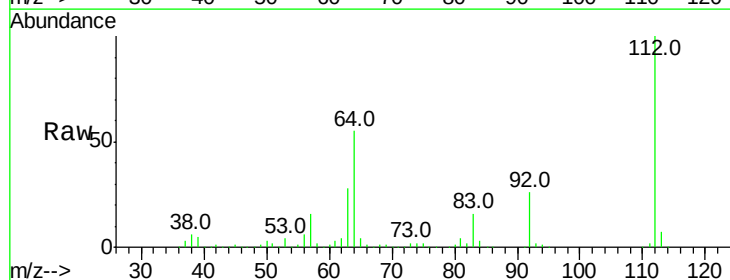
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



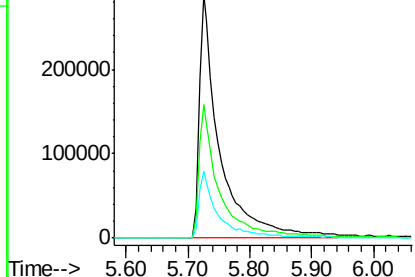
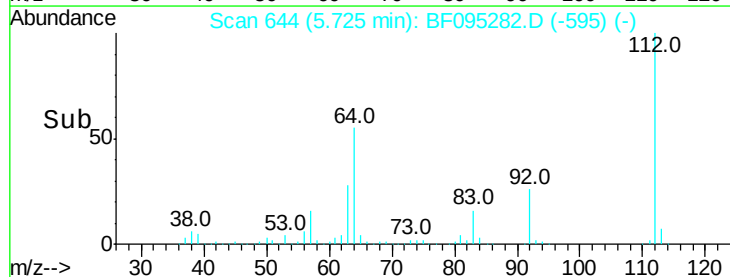
#5

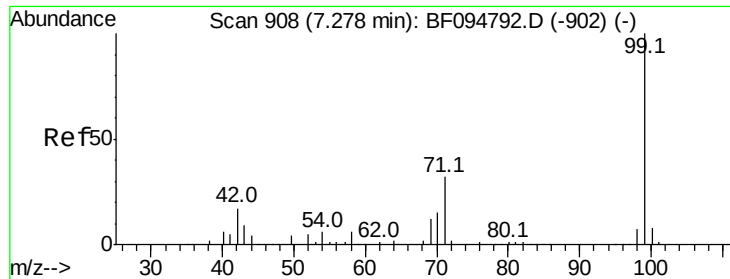
2-Fluorophenol
Concen: 110.41 ng
RT: 5.72 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

Tgt Ion:112 Resp: 669169
Ion Ratio Lower Upper
112 100
64 54.7 46.0 69.0
63 27.6 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: 118.37 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095282.D

Acq: 20 May 2017 1:23

Instrument :

BNA_F

ClientSampleId :

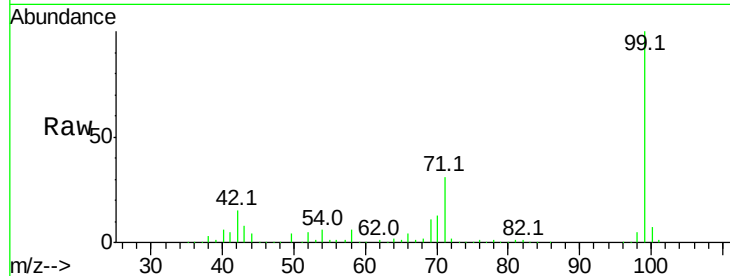
Tot Ion: 99 Resp: 860834

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

71 31.5 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

7.30

400000

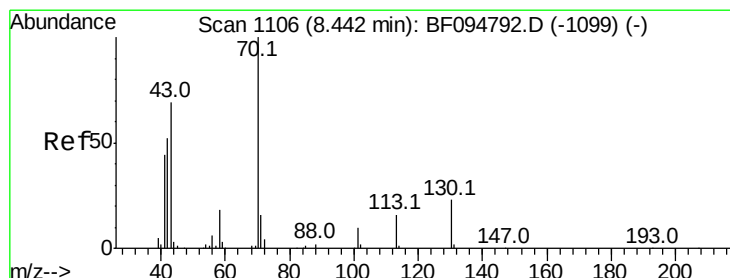
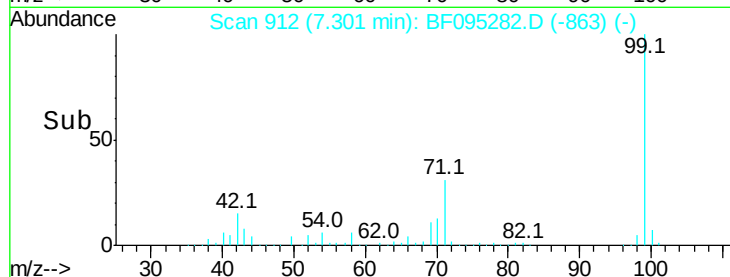
300000

200000

100000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 12.22 ng

RT: 8.66 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF095282.D

Acq: 20 May 2017 1:23

Tgt Ion: 70 Resp: 60096

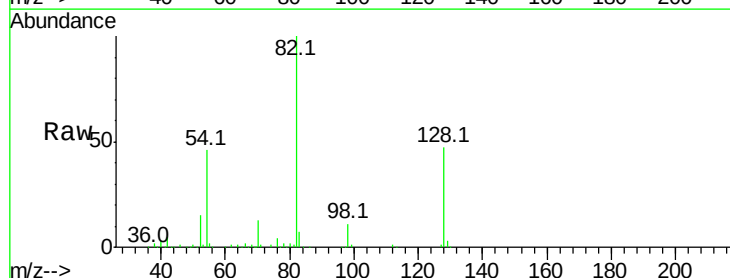
Ion Ratio Lower Upper

70 100

42 41.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 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

8.66

40000

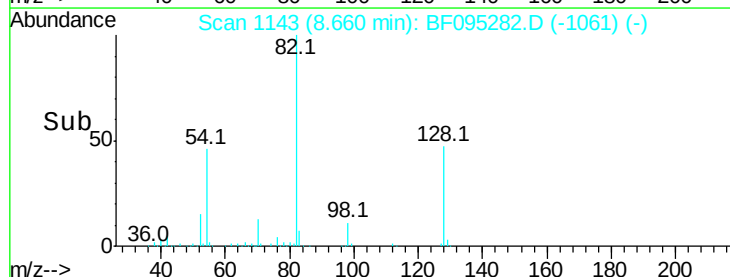
30000

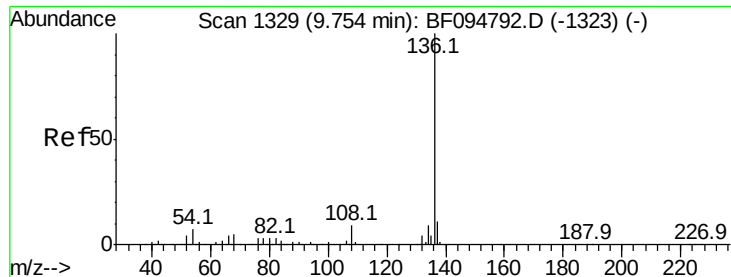
20000

10000

0

Time-->

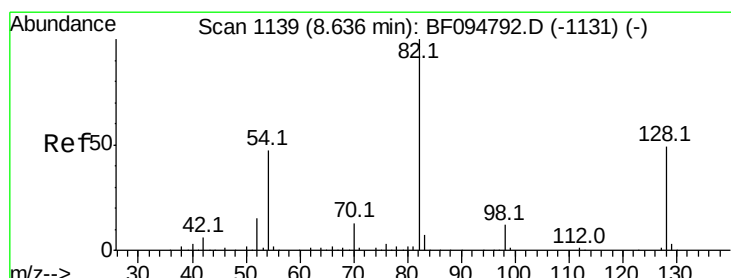
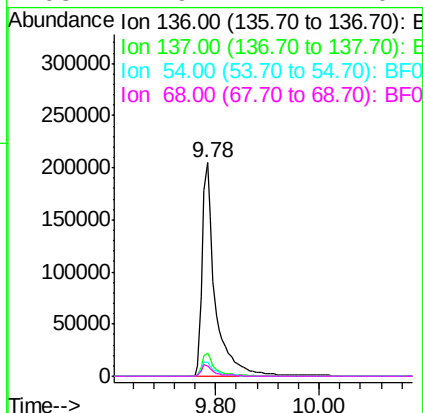
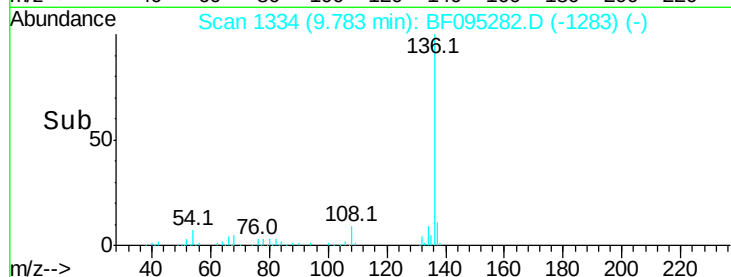
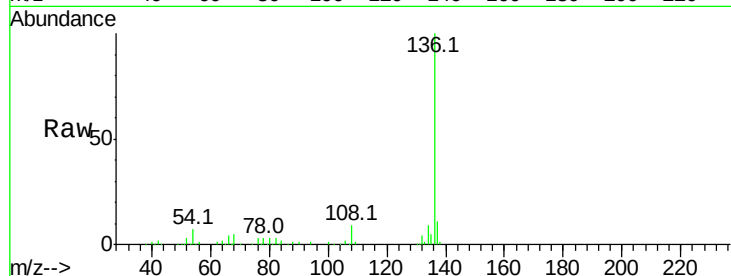




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.78 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

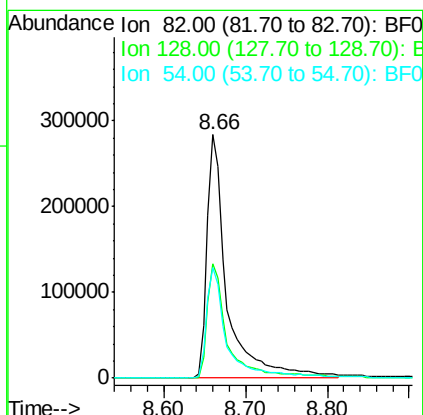
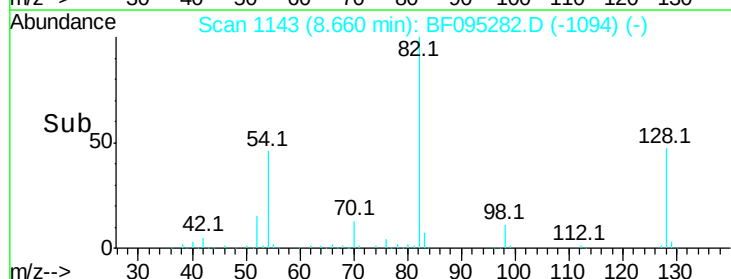
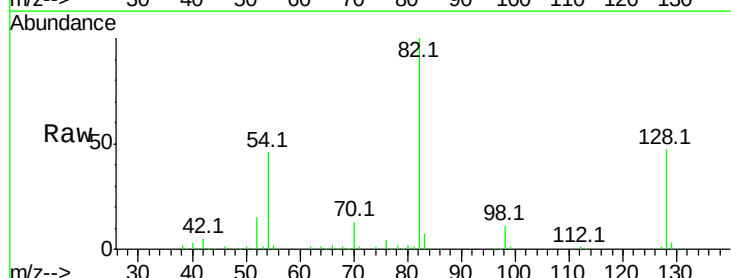
Instrument :
BNA_F
ClientSampleId :

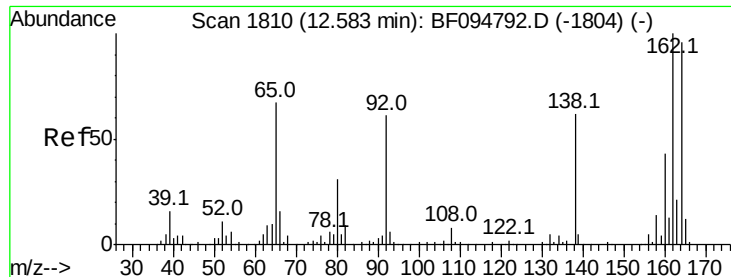
Tot Ion:136	Resp:	362045
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	6.5	4.9 7.3
68	4.9	4.1 6.1



#23
Nitrobenzene-d5
Concen: 84.95 ng
RT: 8.66 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

Tgt Ion: 82	Resp:	487755
Ion Ratio	Lower	Upper
82	100	
128	47.1	34.0 51.0
54	45.6	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.61 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF095282.D

Acq: 20 May 2017 1:23

Instrument :

BNA_F

ClientSampleId :

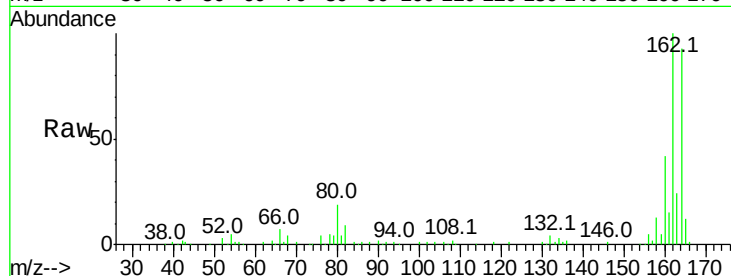
Tot Ion:164 Resp: 168859

Ion Ratio Lower Upper

164 100

162 107.5 82.6 123.8

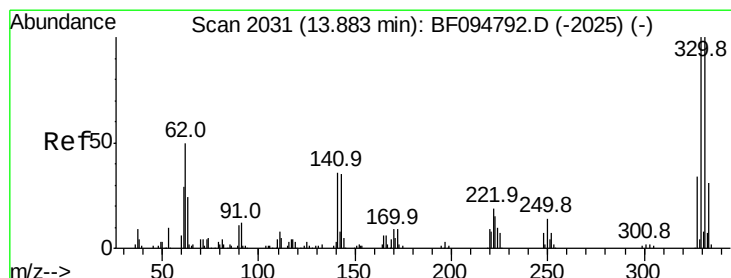
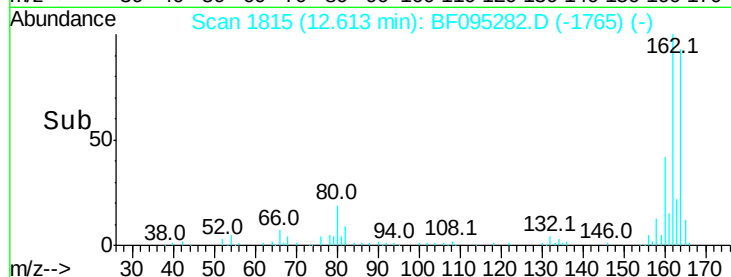
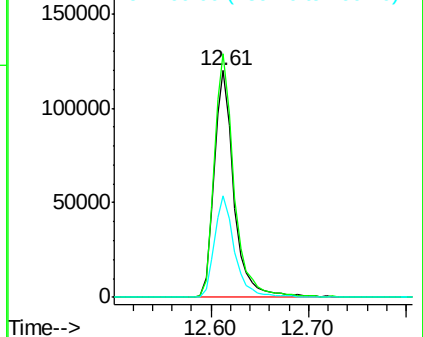
160 45.0 36.2 54.2



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: 105.73 ng

RT: 13.91 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF095282.D

Acq: 20 May 2017 1:23

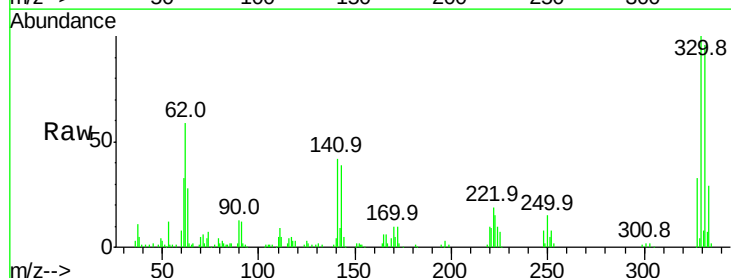
Tgt Ion:330 Resp: 146212

Ion Ratio Lower Upper

330 100

332 99.1 76.6 115.0

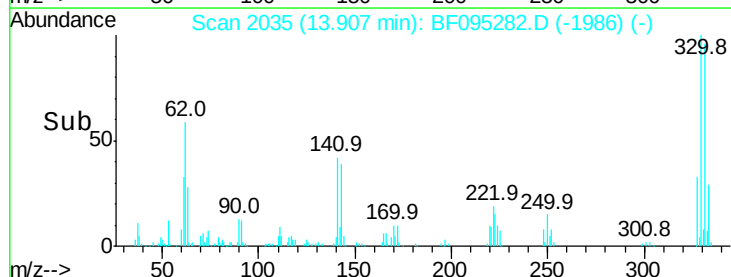
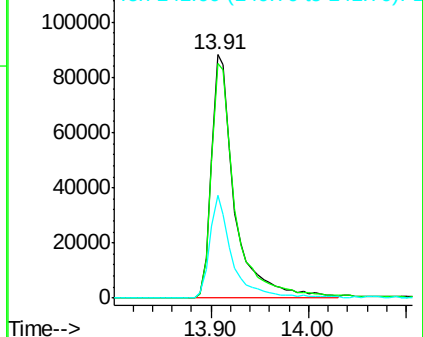
141 40.6 31.4 47.2

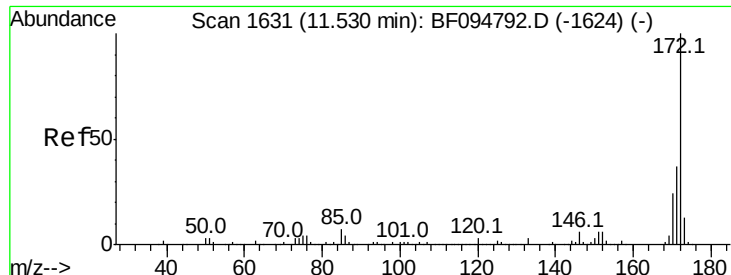


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

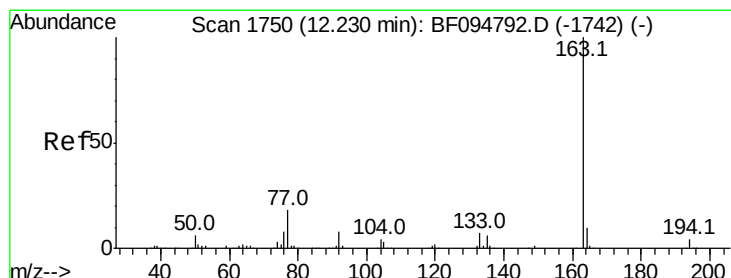
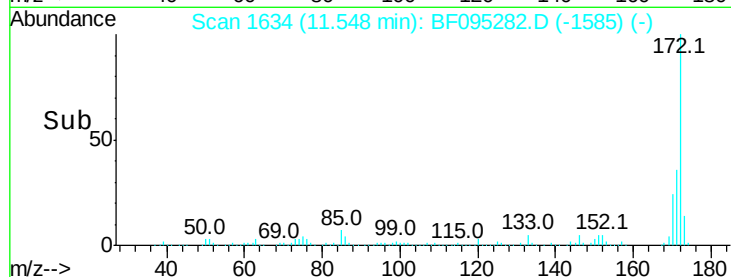
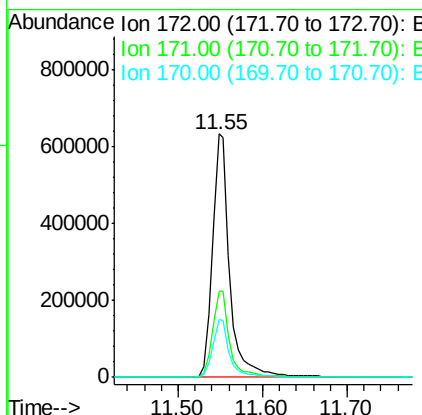
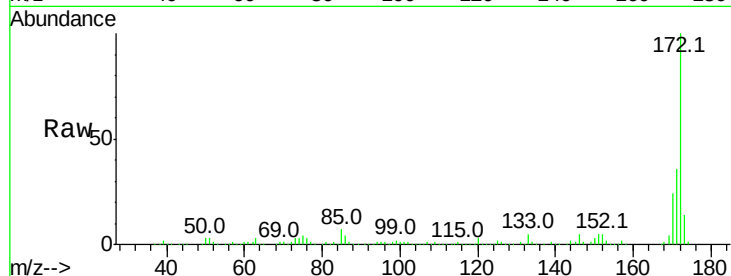




#44
2-Fluorobiphenyl
Concen: 78.38 ng
RT: 11.55 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

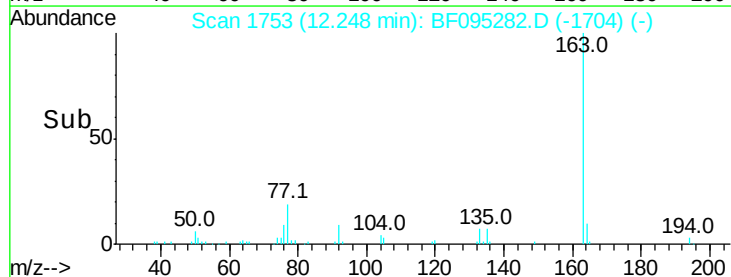
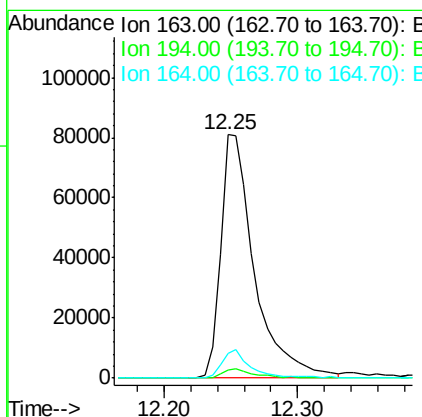
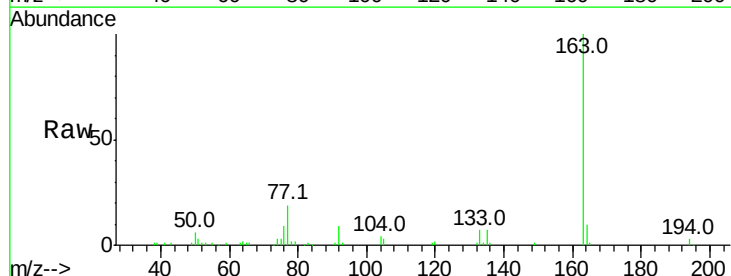
Instrument :
BNA_F
ClientSampleId :

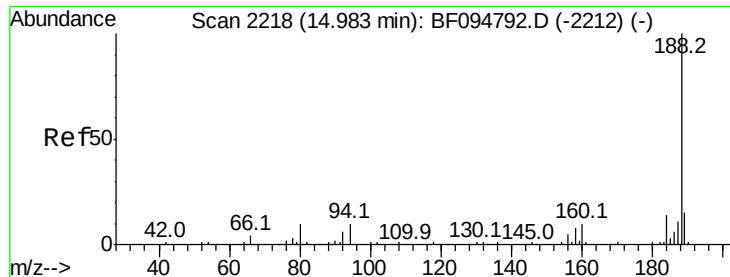
Tot Ion:172 Resp: 919543
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 10.36 ng
RT: 12.25 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

Tgt Ion:163 Resp: 143620
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.1 8.4 12.6

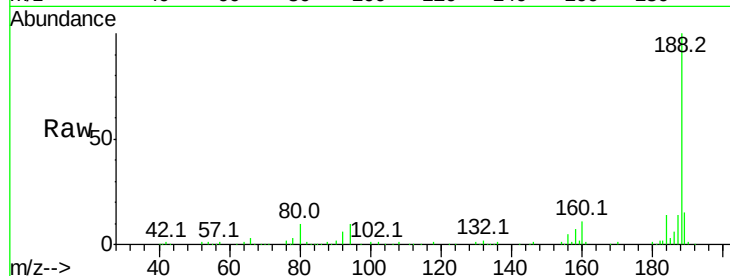




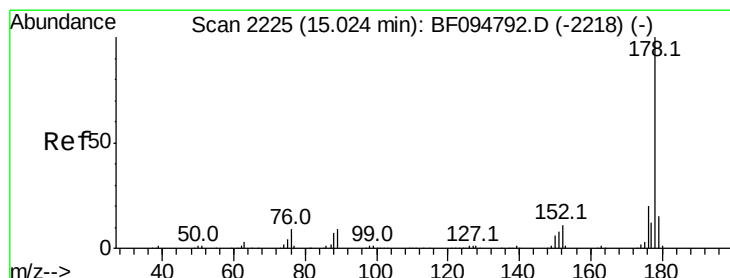
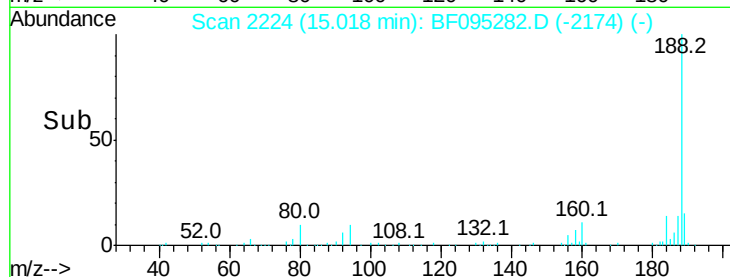
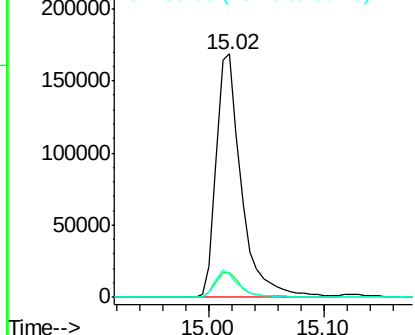
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095282.D
 Acq: 20 May 2017 1:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 257103
 Ion Ratio Lower Upper
 188 100
 94 9.9 9.4 14.2
 80 9.9 10.2 15.2#

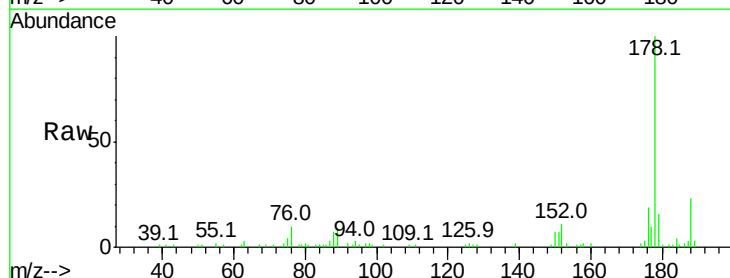


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

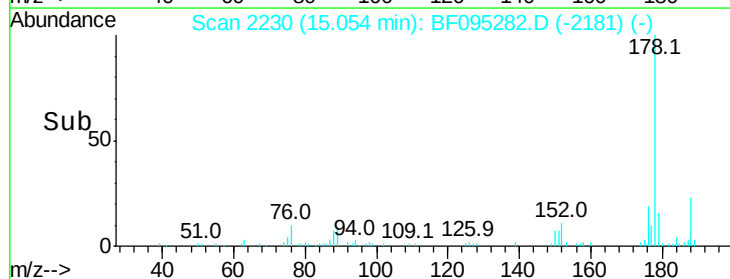
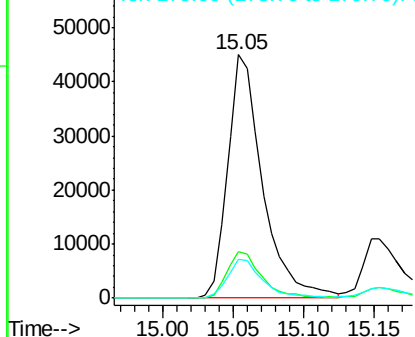


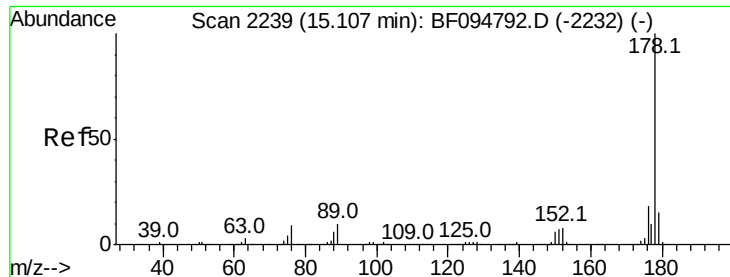
#70
 Phenanthrene
 Concen: 5.23 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF095282.D
 Acq: 20 May 2017 1:23

Tgt Ion:178 Resp: 77332
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 16.1 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

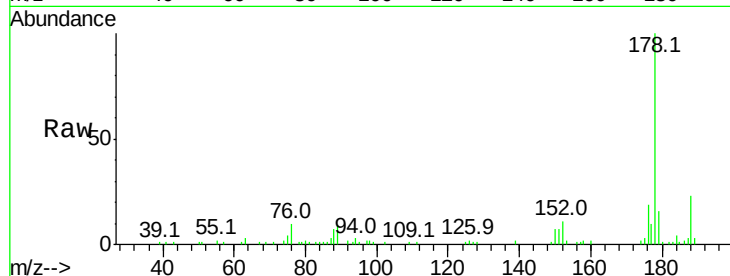




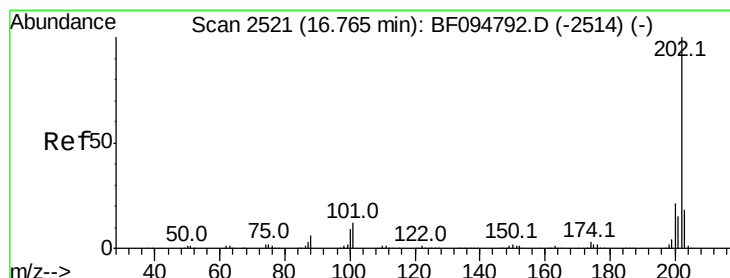
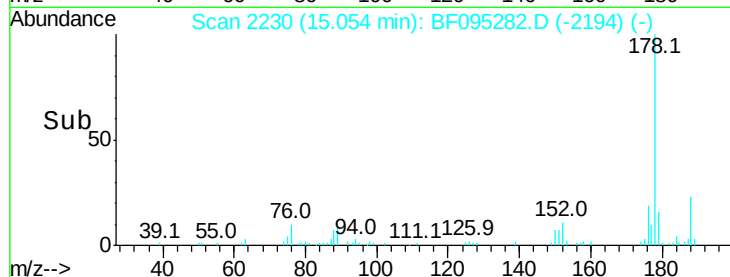
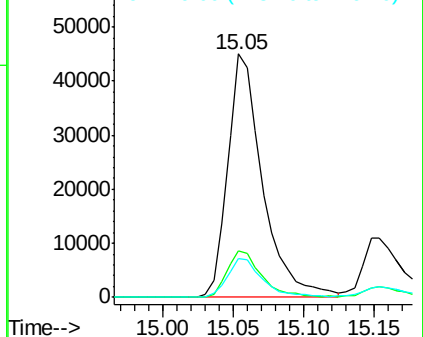
#71
 Anthracene
 Concen: 5.12 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.09 min
 Lab File: BF095282.D
 Acq: 20 May 2017 1:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 77332
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 16.1 12.7 19.1

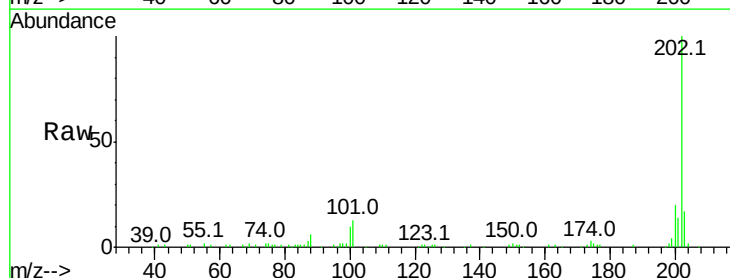


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

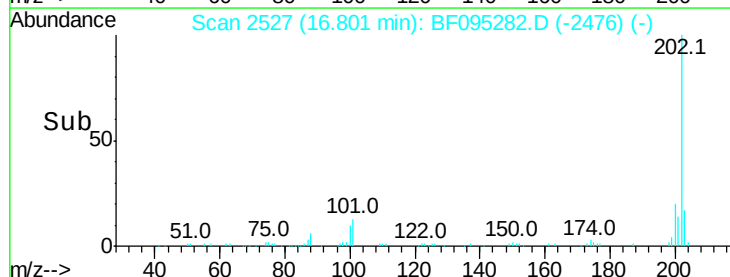
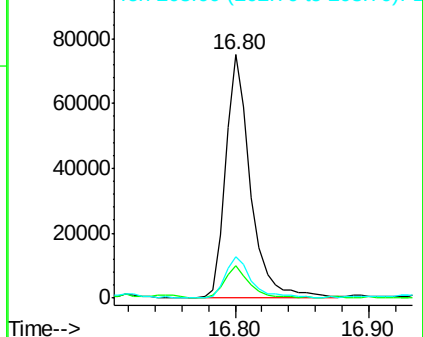


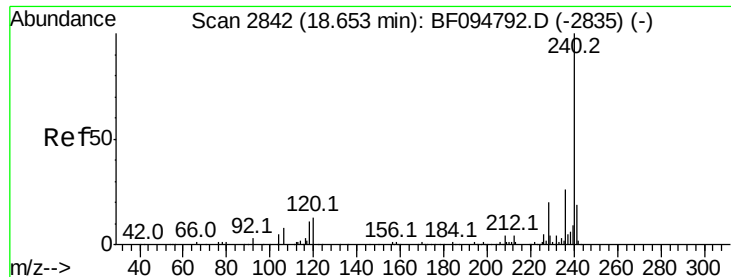
#74
 Fluoranthene
 Concen: 6.49 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BF095282.D
 Acq: 20 May 2017 1:23

Tgt Ion:202 Resp: 98282
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 33.2
 203 17.0 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: BF095282.D

Acq: 20 May 2017 1:23

Instrument :

BNA_F

ClientSampleId :

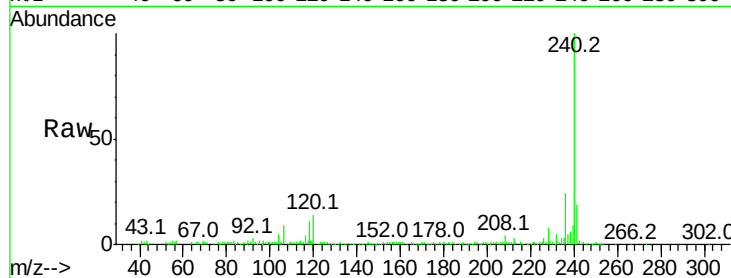
Tot Ion:240 Resp: 187341

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

236 24.4 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

150000

100000

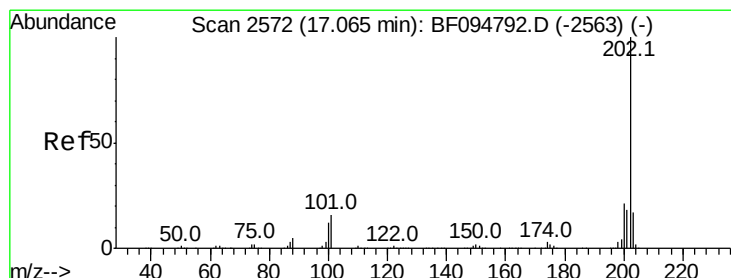
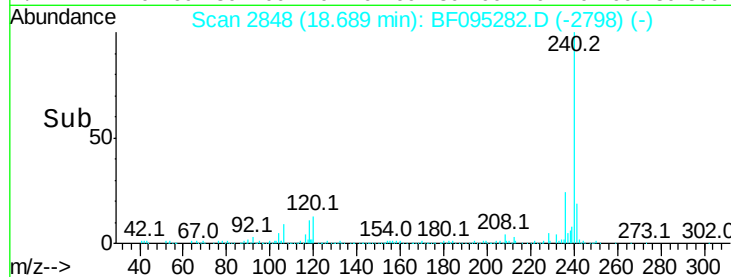
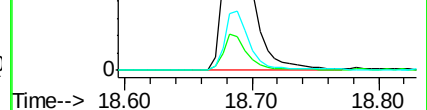
50000

0

18.69

18.70

18.80



#77

Pyrene

Concen: 8.05 ng

RT: 17.10 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095282.D

Acq: 20 May 2017 1:23

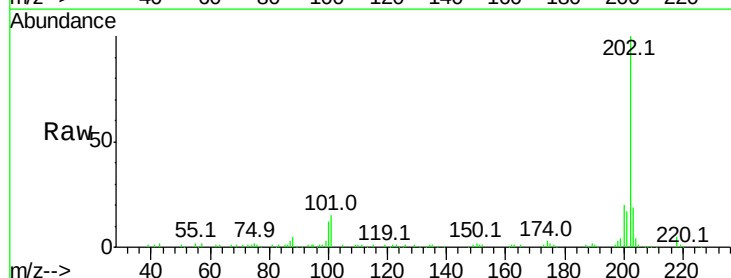
Tgt Ion:202 Resp: 112783

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

203 19.4 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

120000

100000

80000

60000

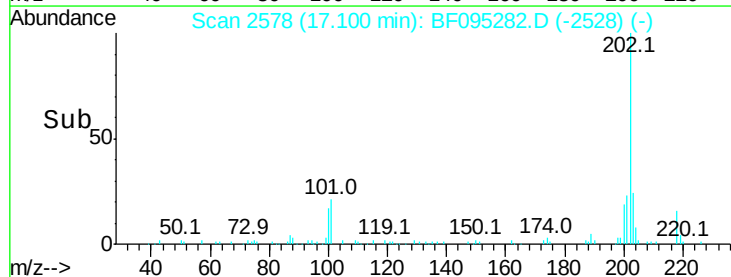
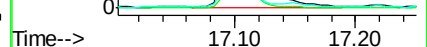
40000

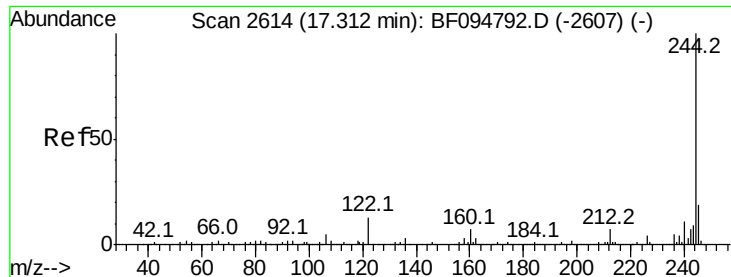
20000

0

17.10

17.20

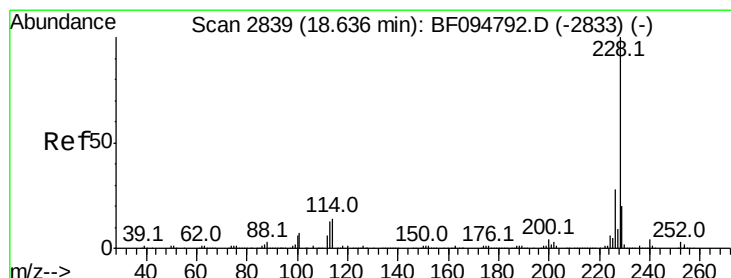
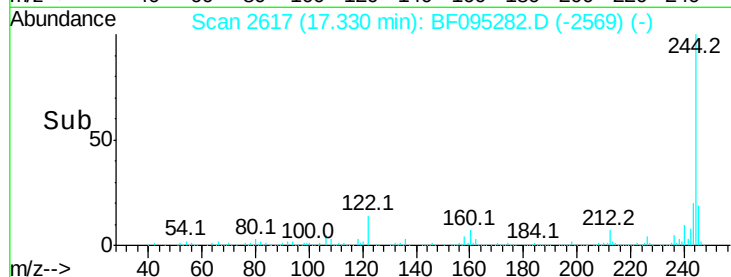
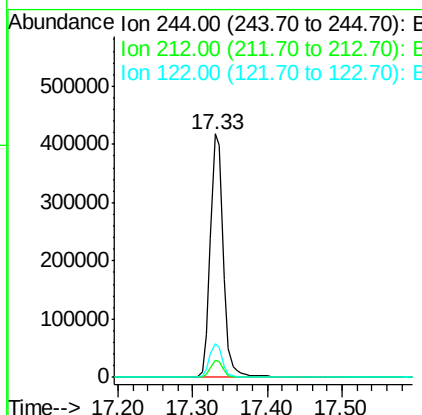
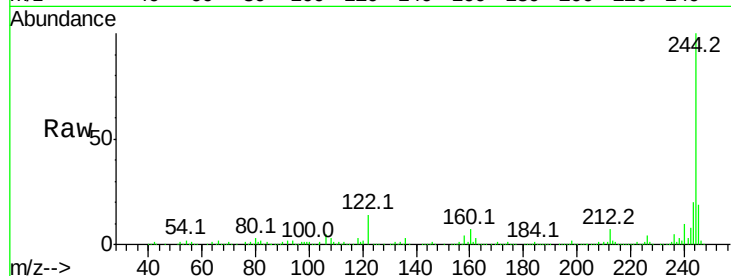




#78
 Terphenyl-d14
 Concen: 59.02 ng
 RT: 17.33 min Scan# 2617
 Delta R.T. -0.02 min
 Lab File: BF095282.D
 Acq: 20 May 2017 1:23

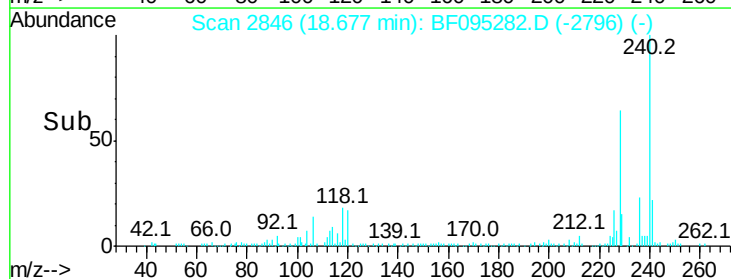
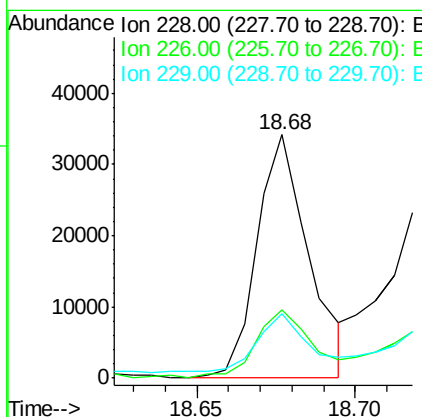
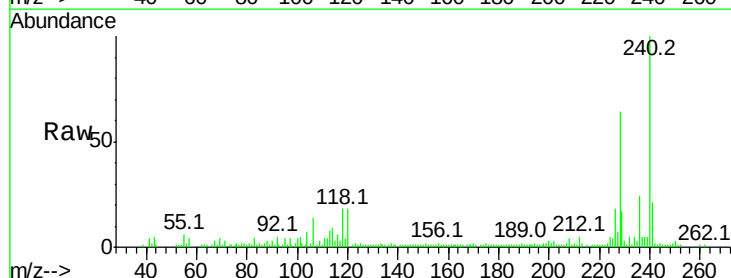
Instrument :
 BNA_F
 ClientSampled :

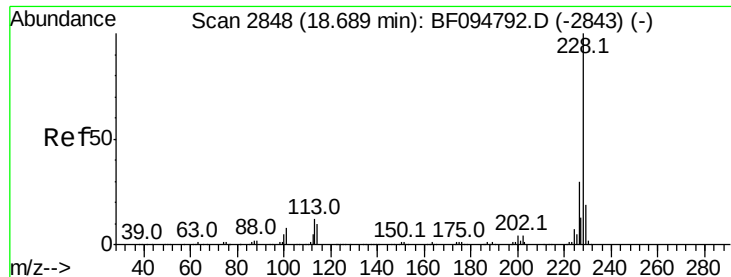
Tot Ion:244 Resp: 502004
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.56 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.01 min
 Lab File: BF095282.D
 Acq: 20 May 2017 1:23

Tgt Ion:228 Resp: 38865
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 26.2 16.3 24.5#





#82

Chrysene

Concen: 4.32 ng

RT: 18.72 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BF095282.D

Acq: 20 May 2017 1:23

Instrument :

BNA_F

ClientSampled :

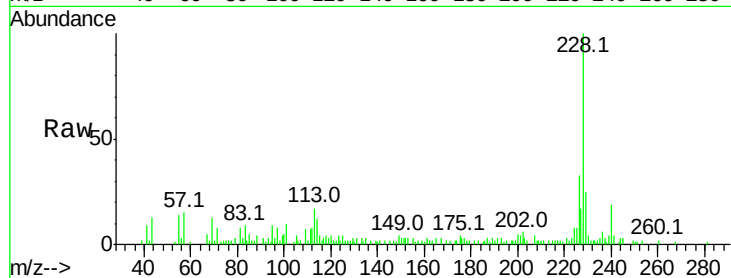
Tot Ion:228 Resp: 45535

Ion Ratio Lower Upper

228 100

226 33.4 24.9 37.3

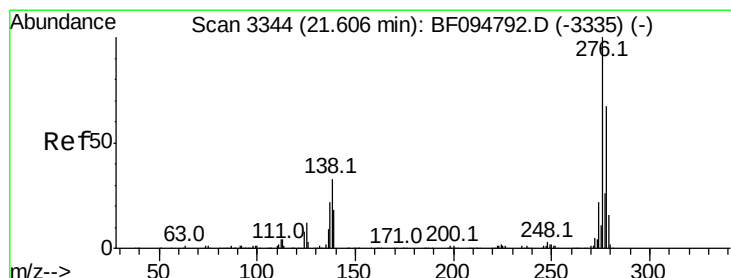
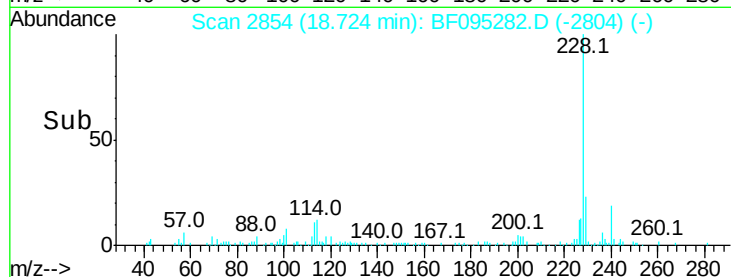
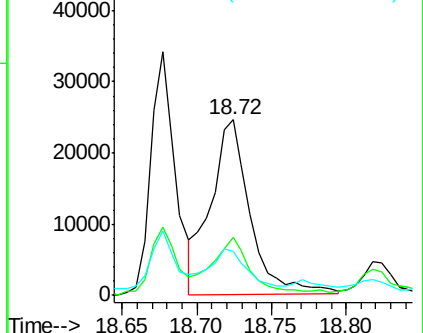
229 25.1 15.8 23.6#



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: 2.13 ng

RT: 21.72 min Scan# 3363

Delta R.T. 0.02 min

Lab File: BF095282.D

Acq: 20 May 2017 1:23

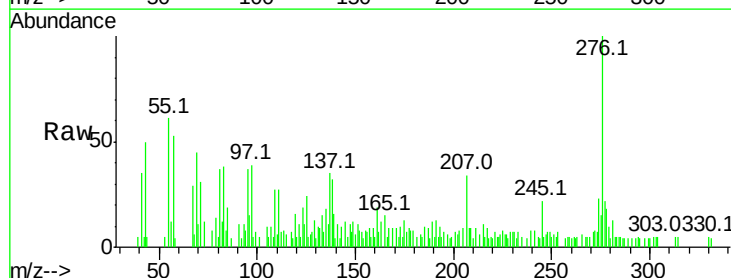
Tgt Ion:276 Resp: 18273

Ion Ratio Lower Upper

276 100

138 27.0 27.8 41.6#

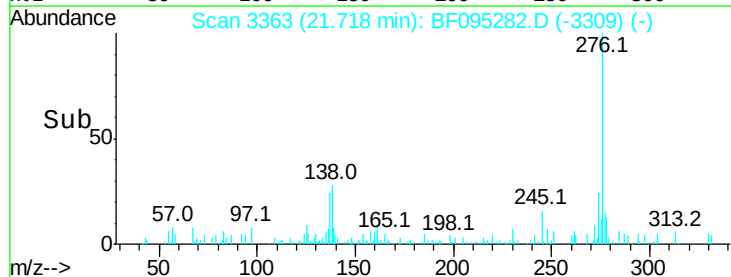
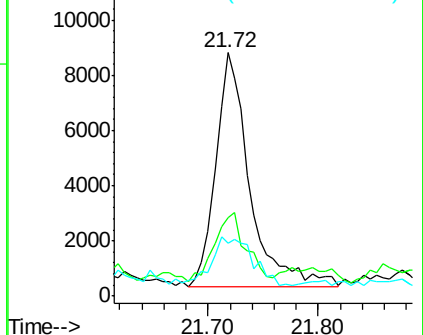
277 25.5 20.2 30.4

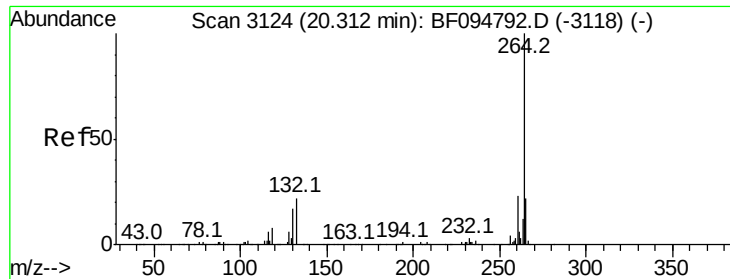


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



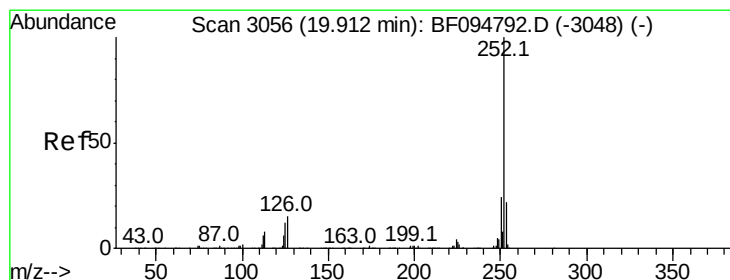
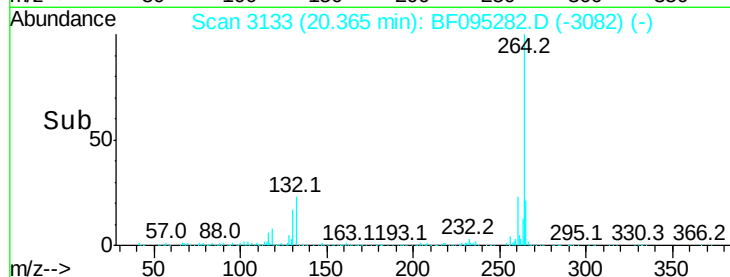
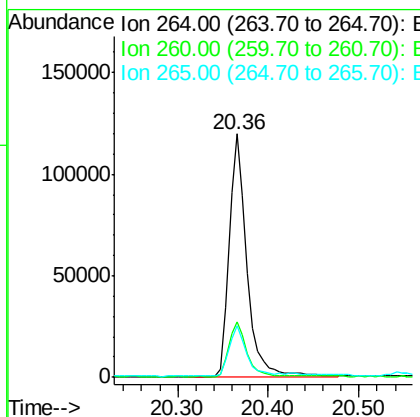
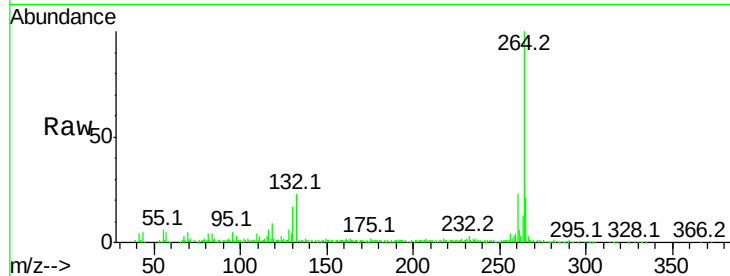


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 163886

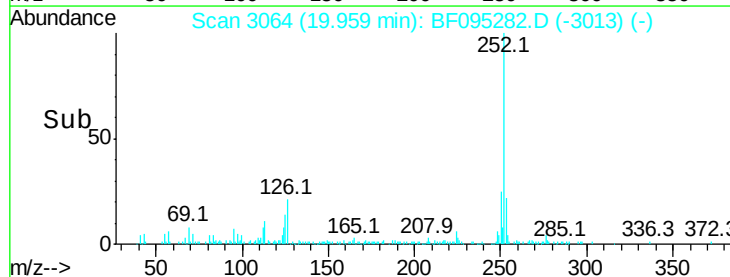
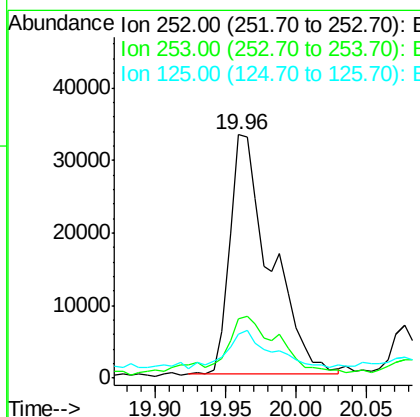
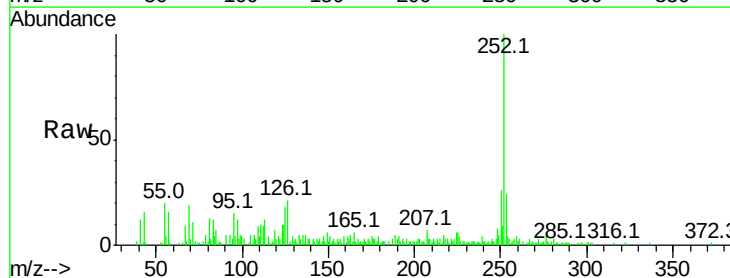
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.4	17.2	25.8

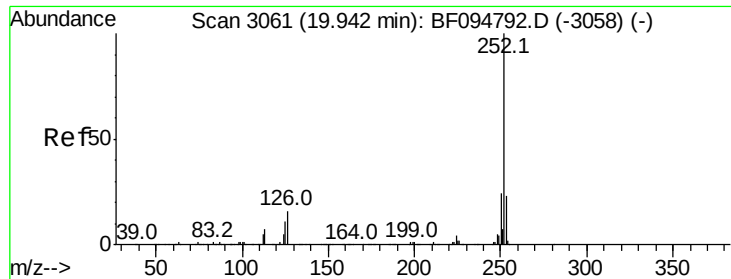


#87
Benzo(b)fluoranthene
Concen: 6.54 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

Tgt Ion:252 Resp: 66189

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	17.9	9.8	14.8#

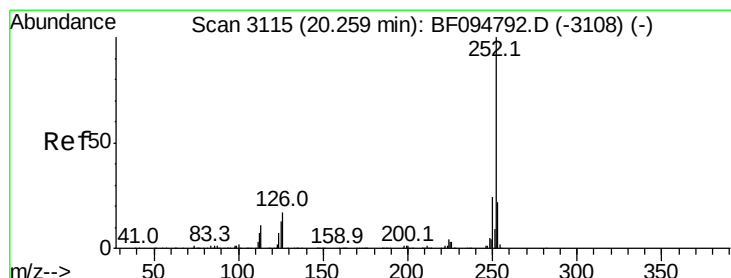
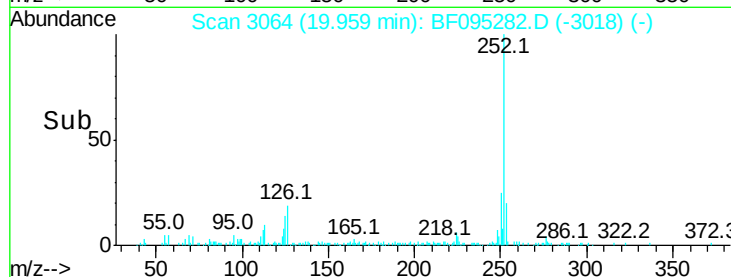
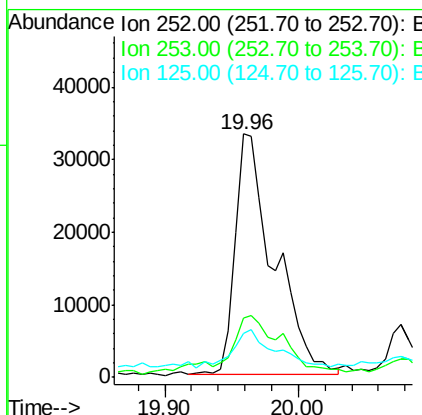
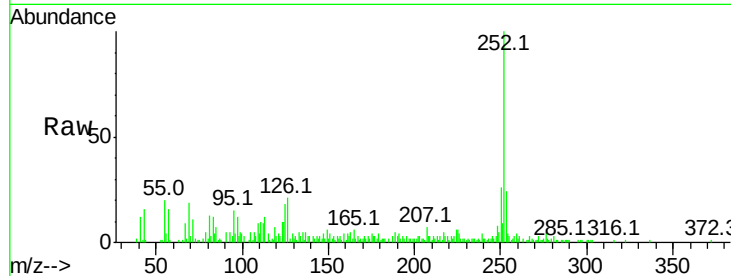




#88
Benzo(k)fluoranthene
Concen: 6.83 ng
RT: 19.96 min Scan# 3064
Delta R.T. -0.03 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

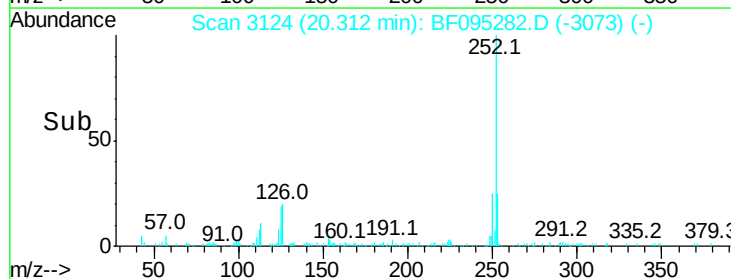
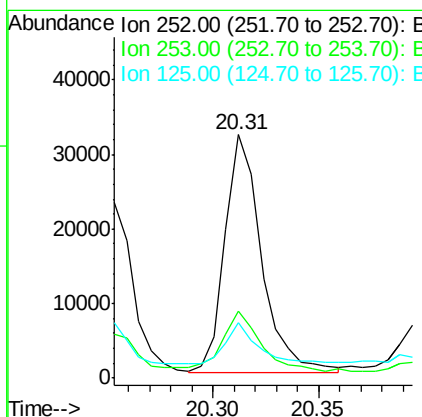
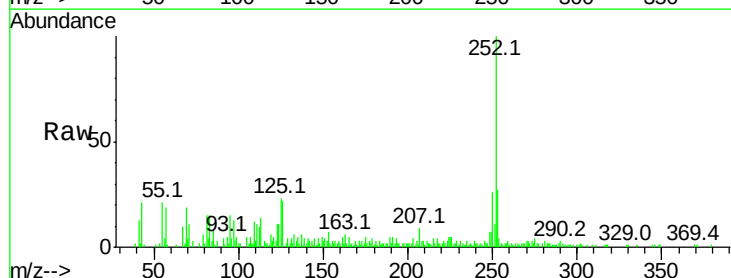
Instrument :
BNA_F
ClientSampleId :

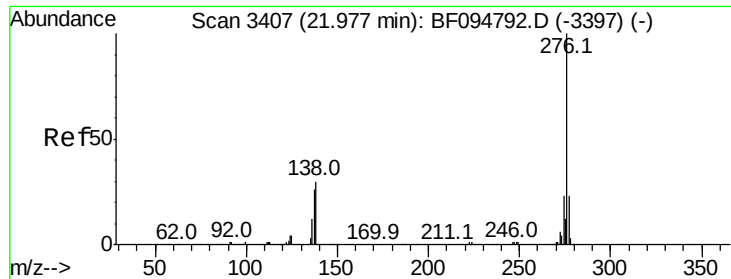
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	17.9	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.13 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095282.D
Acq: 20 May 2017 1:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.5	26.3#
125	23.0	11.0	16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.81 ng

RT: 22.11 min Scan# 3429

Delta R.T. 0.02 min

Lab File: BF095282.D

Acq: 20 May 2017 1:23

Instrument :

BNA_F

ClientSampleId :

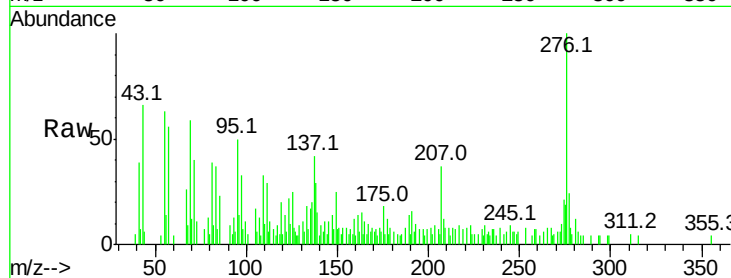
Tot Ion: 276 Resp: 21303

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 29.1 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

