

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095945.D
 Acq On : 15 Jun 2017 3:17
 Operator : SJ/MA
 Sample : I3635-13 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 15 04:00:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

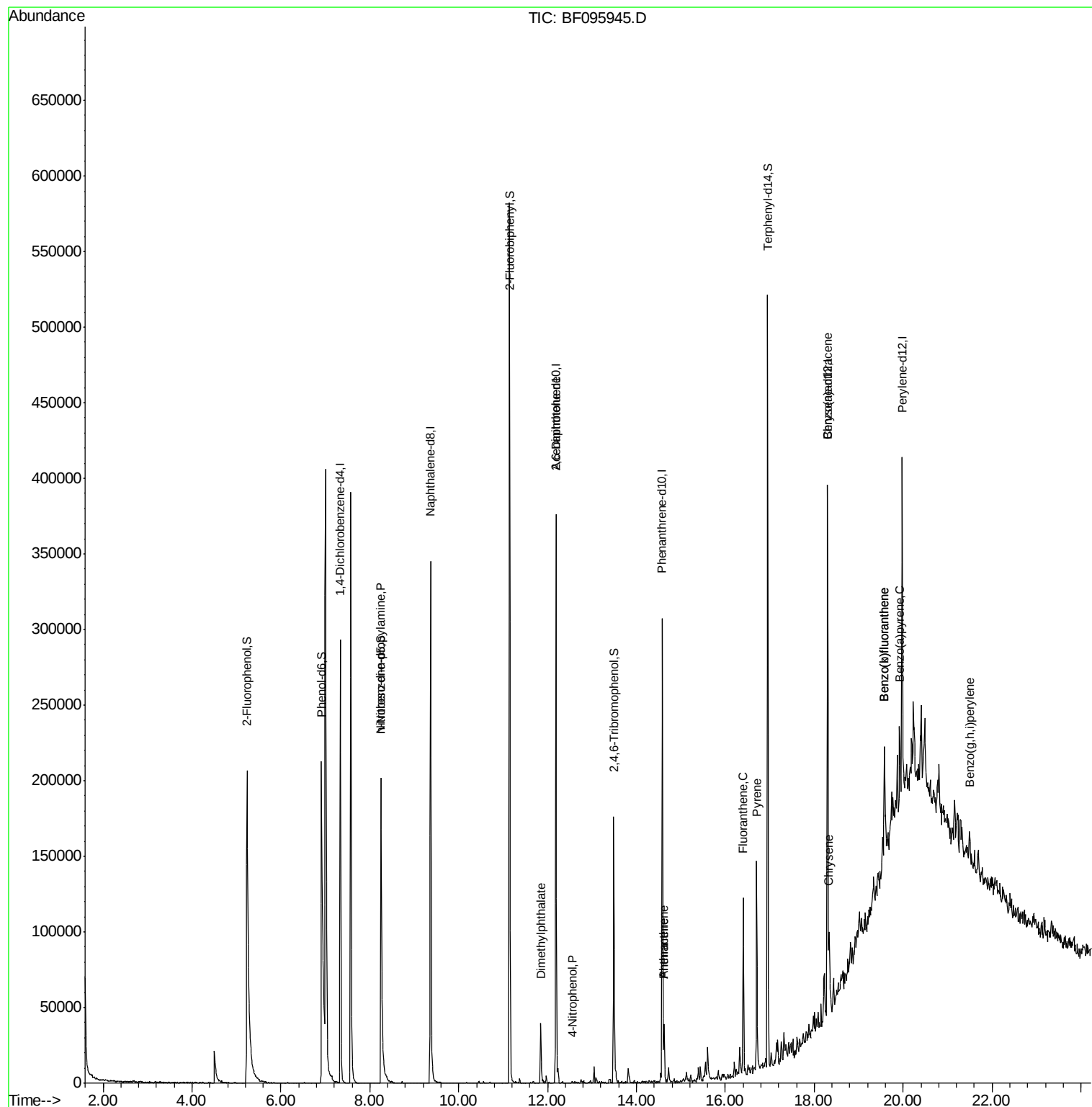
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	68816	20.00	ng	-0.06
21) Naphthalene-d8	9.37	136	260231	20.00	ng	-0.06
38) Acenaphthene-d10	12.19	164	99294	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	157079	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	135263	20.00	ng	-0.05
86) Perylene-d12	19.97	264	90512	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	197422	45.71	ng	-0.05
7) Phenol-d6	6.91	99	238913	46.21	ng	-0.05
23) Nitrobenzene-d5	8.25	82	128922	30.77	ng	-0.07
41) 2,4,6-Tribromophenol	13.49	330	34581	39.36	ng	-0.06
44) 2-Fluorobiphenyl	11.15	172	271099	37.99	ng	-0.07
78) Terphenyl-d14	16.95	244	185742	34.08	ng	-0.06
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.25	70	15999	4.88	ng	# 75
49) Dimethylphthalate	11.85	163	28475	3.78	ng	96
50) 2,6-Dinitrotoluene	12.19	165	13469	8.19	ng	# 31
55) 4-Nitrophenol	12.55	139	246	4.83	ng	# 25
70) Phenanthrene	14.62	178	26218	2.89	ng	96
71) Anthracene	14.62	178	26218	2.77	ng	97
74) Fluoranthene	16.40	202	63826	7.12	ng	98
77) Pyrene	16.70	202	59166	5.86	ng	# 95
80) Benzo(a)anthracene	18.29	228	30910	3.93	ng	98
82) Chrysene	18.34	228	31685	4.03	ng	94
87) Benzo(b)fluoranthene	19.57	252	46454	8.20	ng	# 91
88) Benzo(k)fluoranthene	19.57	252	46454	8.58	ng	95
89) Benzo(a)pyrene	19.92	252	22261	4.27	ng	# 87
91) Benzo(a,h,i)perylene	21.49	276	15669	3.48	ng	96

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

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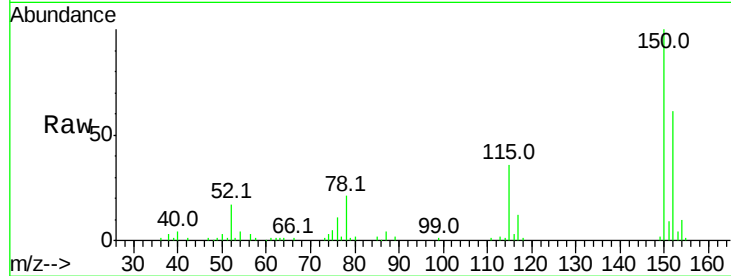


#1

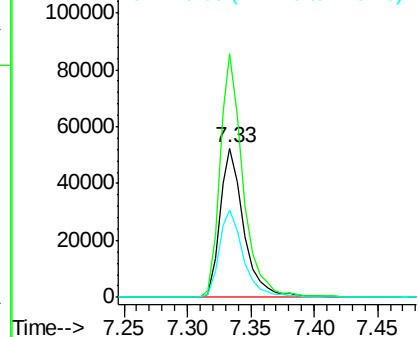
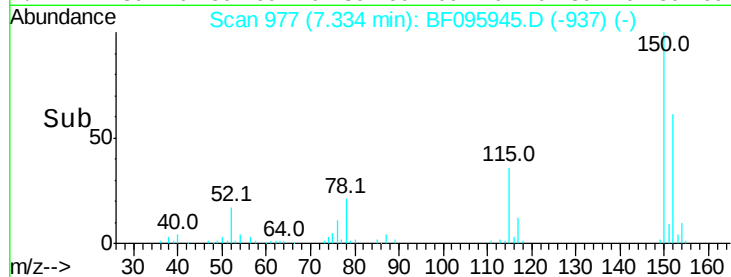
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 68816
Ion Ratio Lower Upper
152 100
150 163.3 126.2 189.2
115 58.4 52.2 78.2



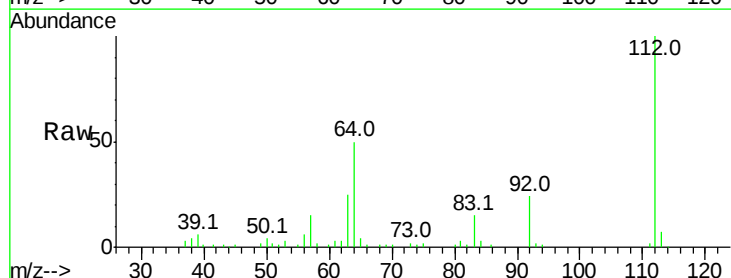
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



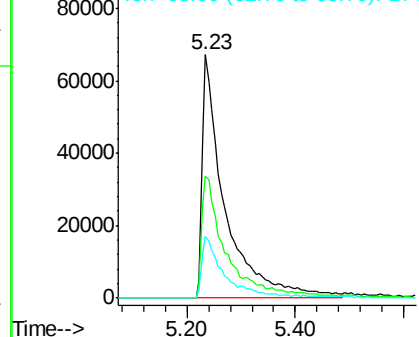
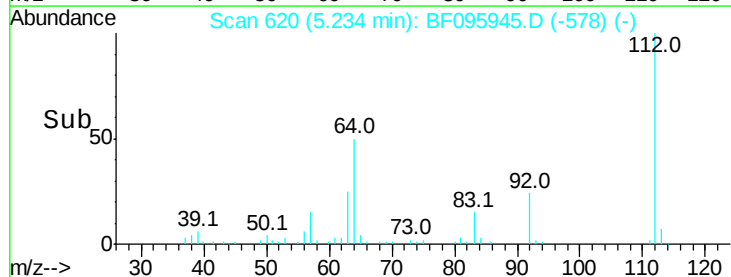
#5

2-Fluorophenol
Concen: 45.71 ng
RT: 5.23 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

Tgt Ion:112 Resp: 197422
Ion Ratio Lower Upper
112 100
64 50.0 46.0 69.0
63 25.4 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: 46.21 ng

RT: 6.91 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

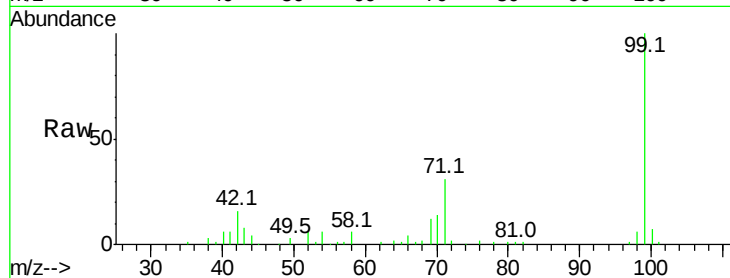
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 238913

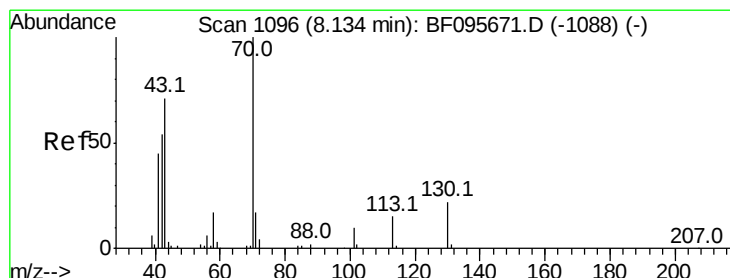
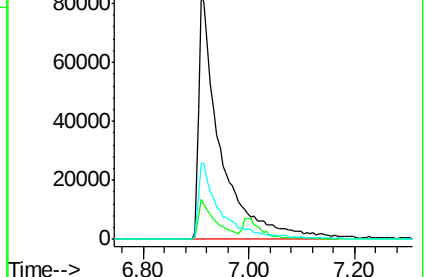
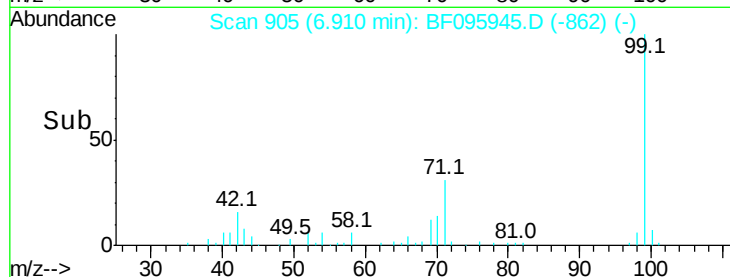
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.5	20.3
71	31.4	24.5	36.7



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: 4.88 ng

RT: 8.25 min Scan# 1133

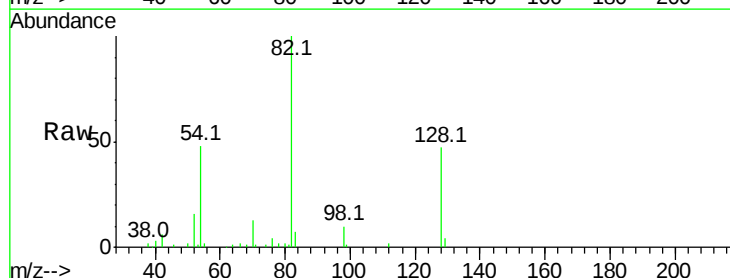
Delta R.T. 0.12 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

Tgt Ion: 70 Resp: 15999

Ion	Ratio	Lower	Upper
70	100		
42	44.5	47.2	70.8#
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#

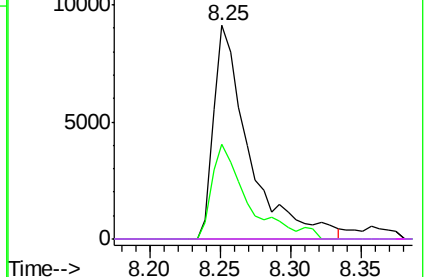
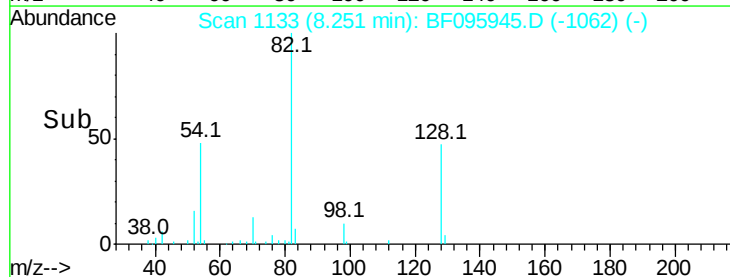


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.37 min Scan# 1323

Delta R.T. -0.06 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 260231

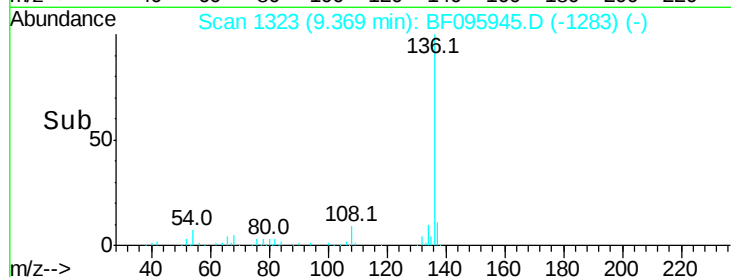
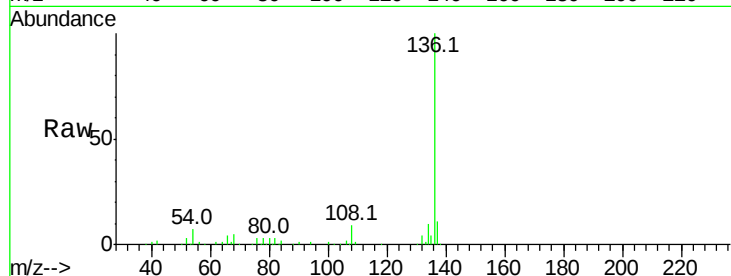
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.8 4.9 7.3

68 5.4 4.1 6.1

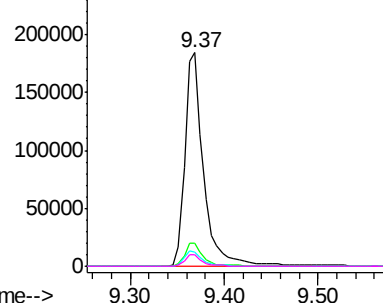


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.77 ng

RT: 8.25 min Scan# 1133

Delta R.T. -0.07 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

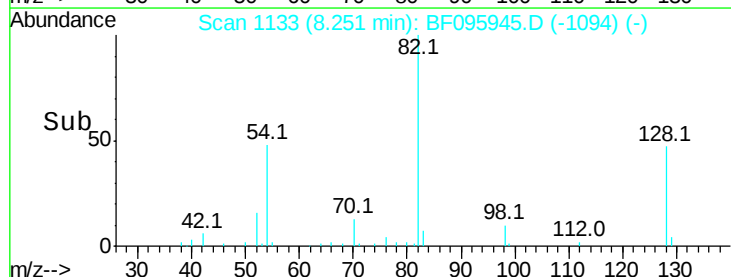
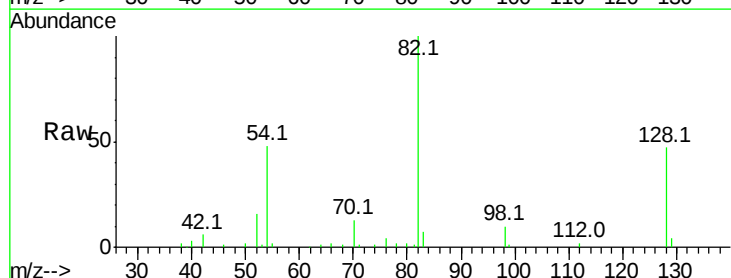
Tgt Ion: 82 Resp: 128922

Ion Ratio Lower Upper

82 100

128 47.3 34.0 51.0

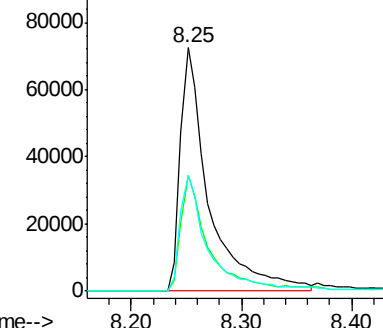
54 47.6 42.2 63.2



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: 12.19 min Scan# 1802

Delta R.T. -0.07 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

Instrument :

BNA_F

ClientSampleId :

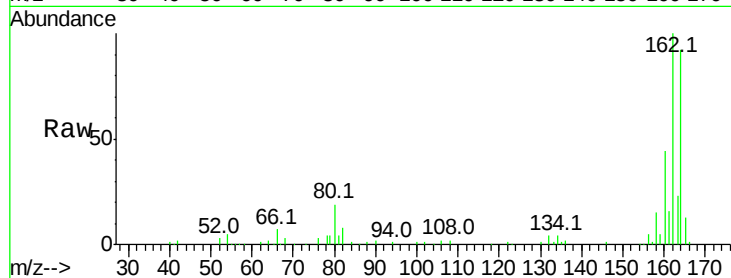
Tot Ion:164 Resp: 99294

Ion Ratio Lower Upper

164 100

162 108.6 82.6 123.8

160 47.4 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

120000

100000

80000

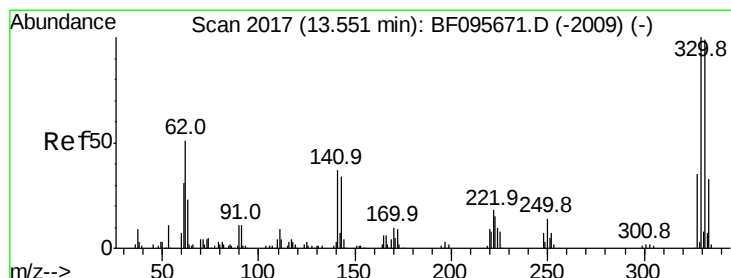
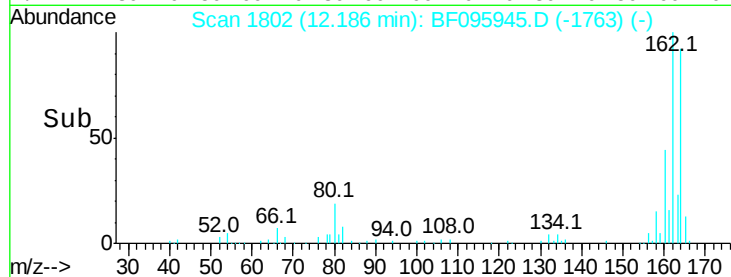
60000

40000

20000

0

Time--> 12.10 12.20



#41

2,4,6-Tribromophenol

Concen: 39.36 ng

RT: 13.49 min Scan# 2023

Delta R.T. -0.06 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

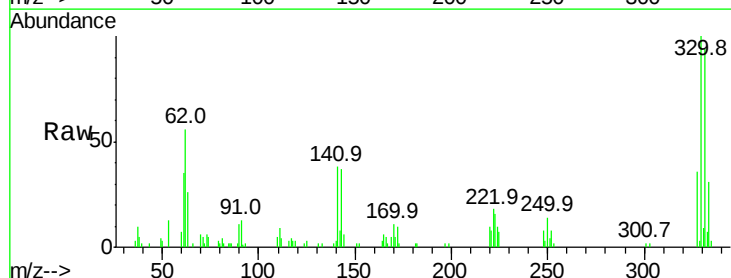
Tgt Ion:330 Resp: 34581

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

141 38.2 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

25000

20000

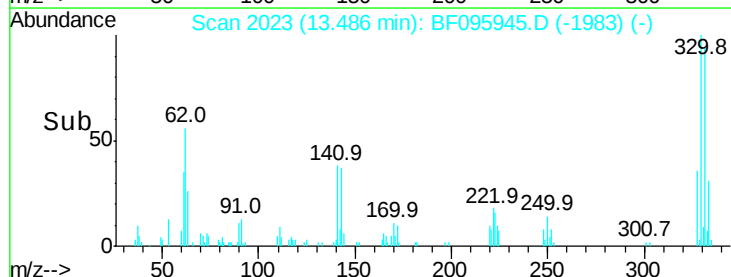
15000

10000

5000

0

Time--> 13.40 13.50 13.60

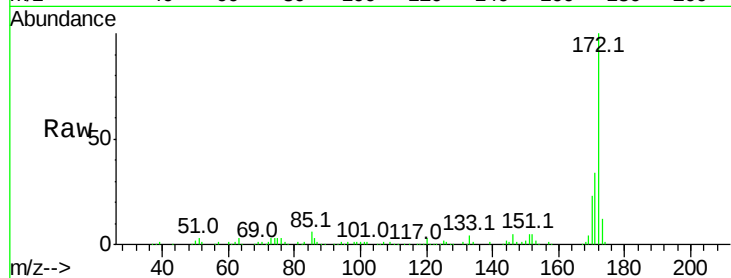




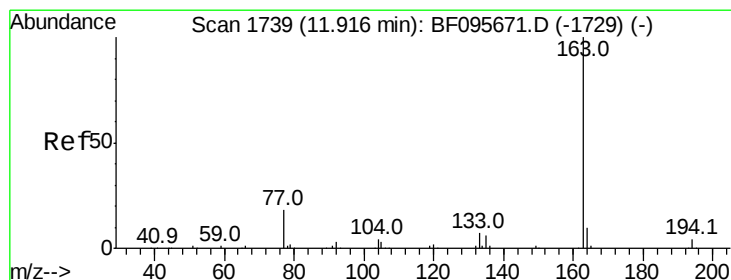
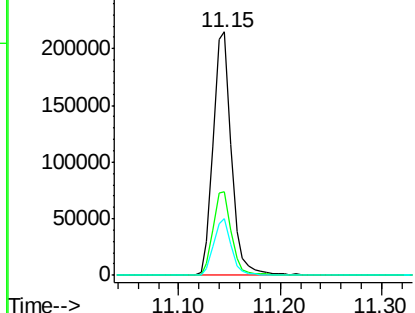
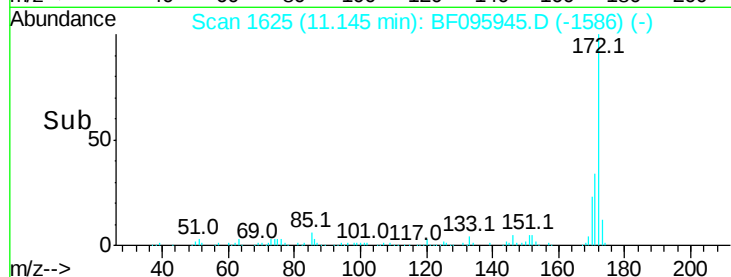
#44
2-Fluorobiphenyl
Concen: 37.99 ng
RT: 11.15 min Scan# 1625
Delta R.T. -0.07 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.6	44.4
170	23.4	19.8	29.8

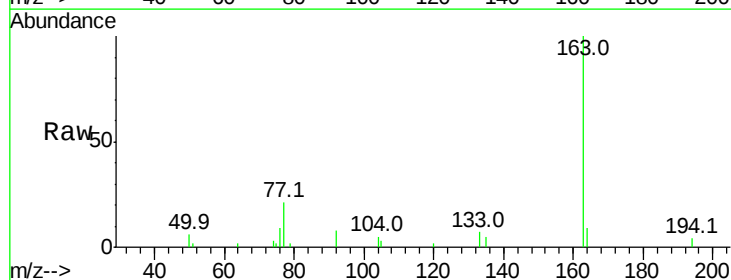


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

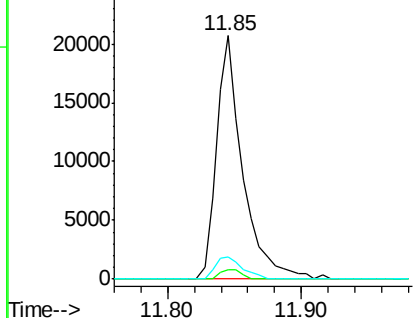
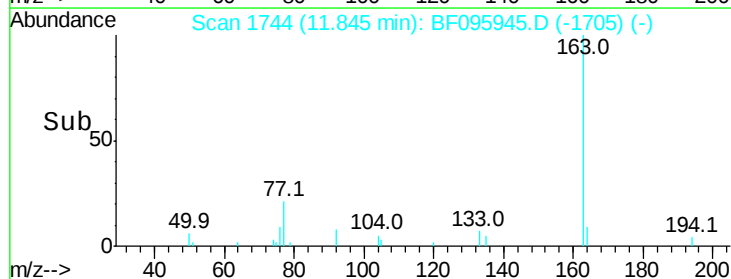


#49
Dimethylphthalate
Concen: 3.78 ng
RT: 11.85 min Scan# 1744
Delta R.T. -0.07 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	8.9	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

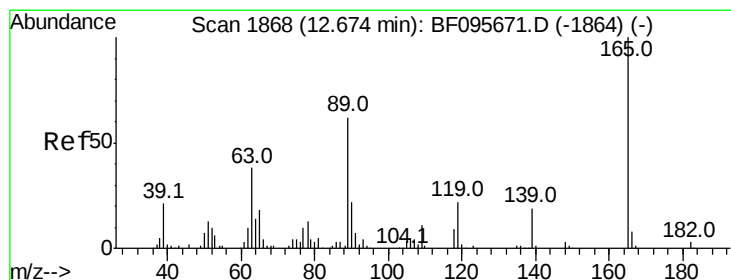
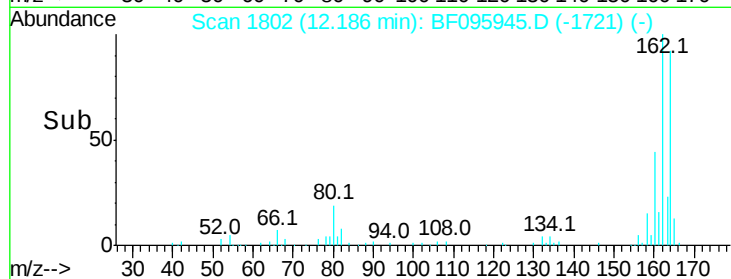
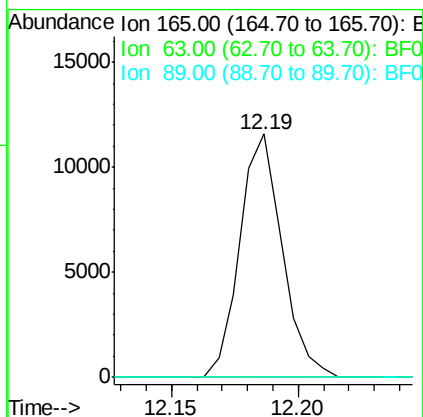
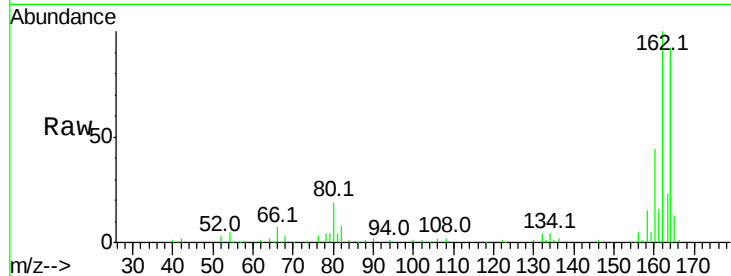




#50
 2,6-Dinitrotoluene
 Concen: 8.19 ng
 RT: 12.19 min Scan# 1802
 Delta R.T. 0.18 min
 Lab File: BF095945.D
 Acq: 15 Jun 2017 3:17

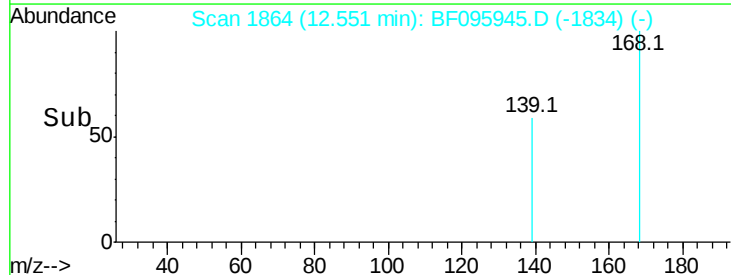
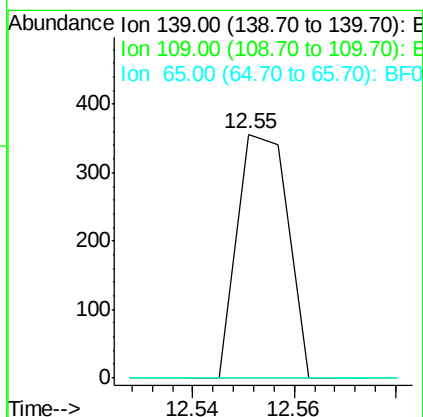
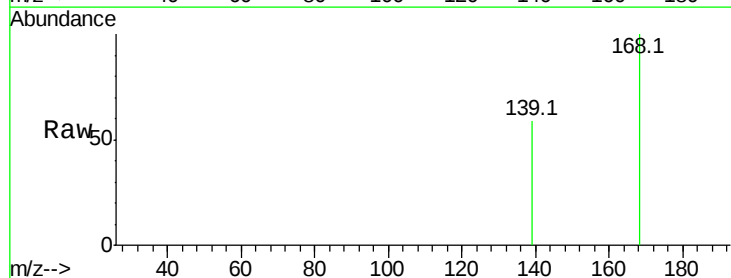
Instrument :
 BNA_F
 ClientSampleId :

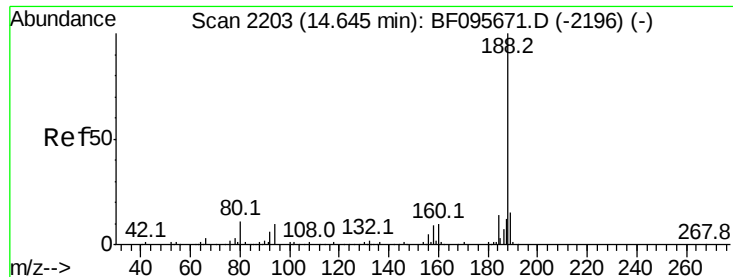
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



#55
 4-Nitrophenol
 Concen: 4.83 ng
 RT: 12.55 min Scan# 1864
 Delta R.T. -0.12 min
 Lab File: BF095945.D
 Acq: 15 Jun 2017 3:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

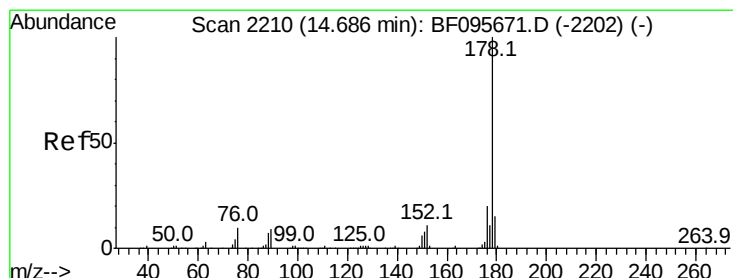
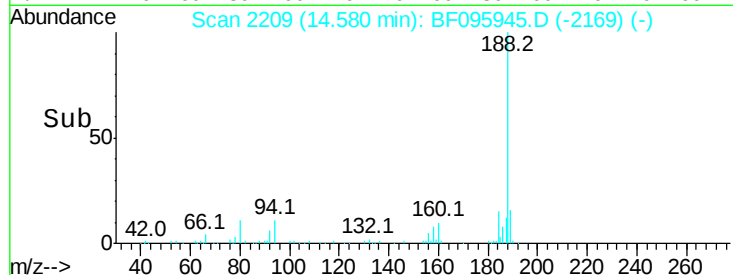
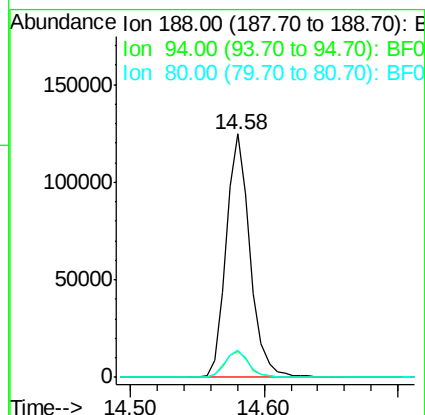
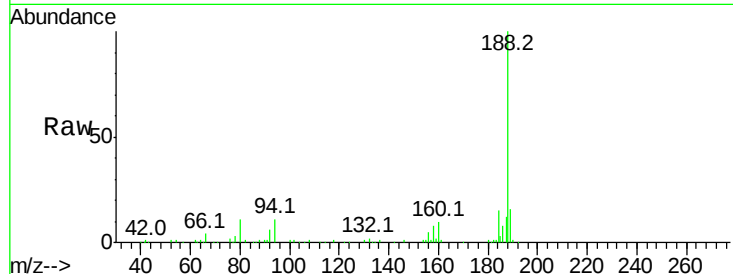




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

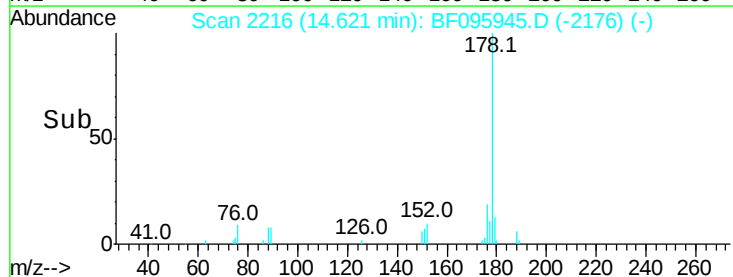
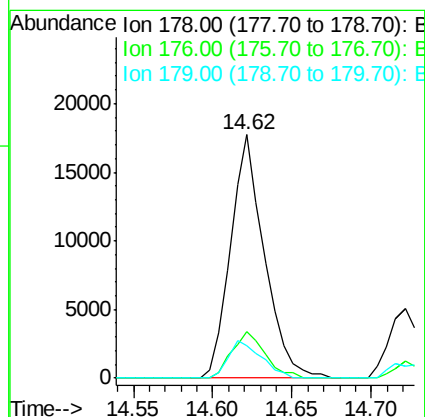
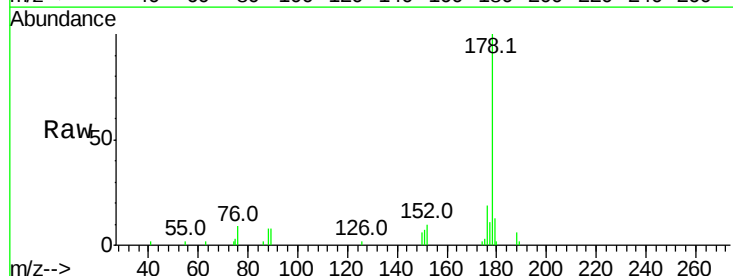
Instrument :
BNA_F
ClientSampleId :

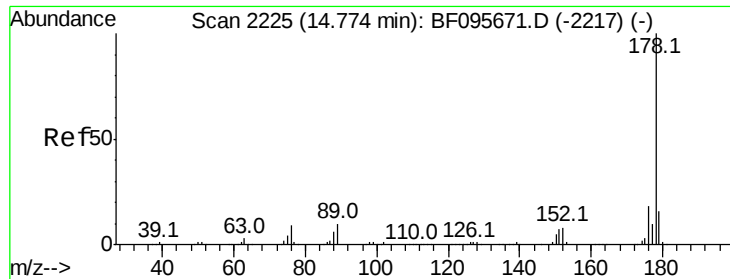
Tot Ion:188 Resp: 157079
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.1 10.2 15.2



#70
Phenanthrene
Concen: 2.89 ng
RT: 14.62 min Scan# 2216
Delta R.T. -0.06 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

Tgt Ion:178 Resp: 26218
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 13.4 12.6 19.0

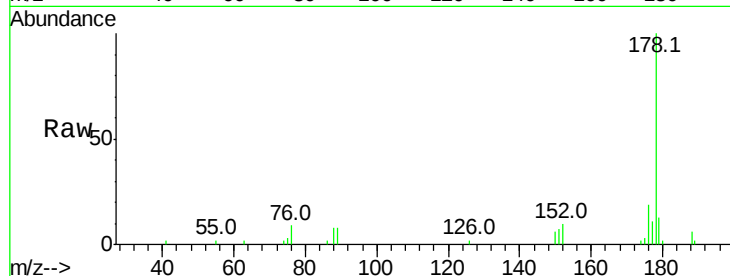




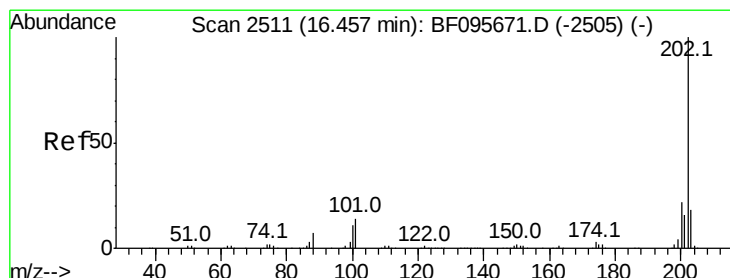
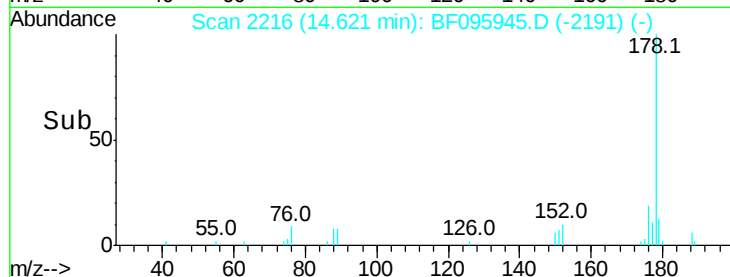
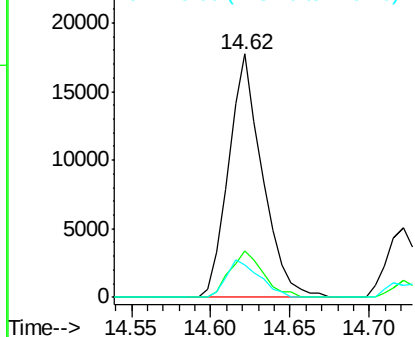
#71
 Anthracene
 Concen: 2.77 ng
 RT: 14.62 min Scan# 2216
 Delta R.T. -0.15 min
 Lab File: BF095945.D
 Acq: 15 Jun 2017 3:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 26218
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 13.4 12.7 19.1

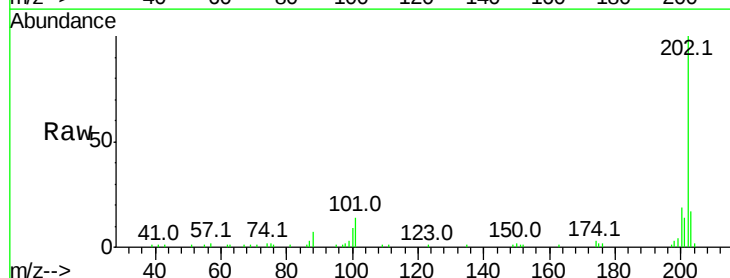


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

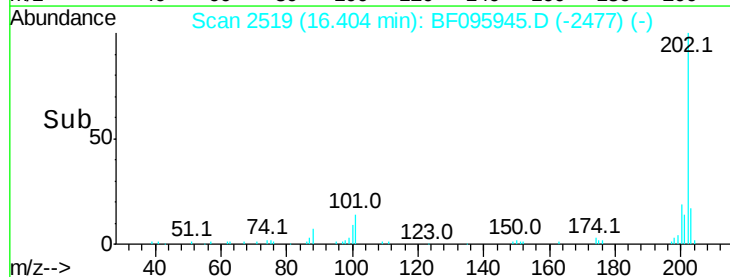
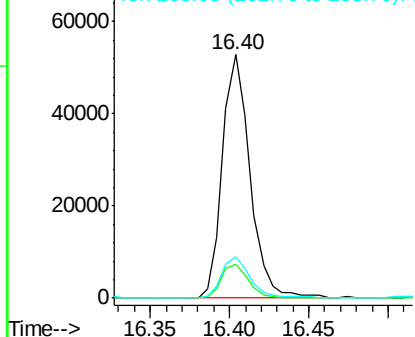


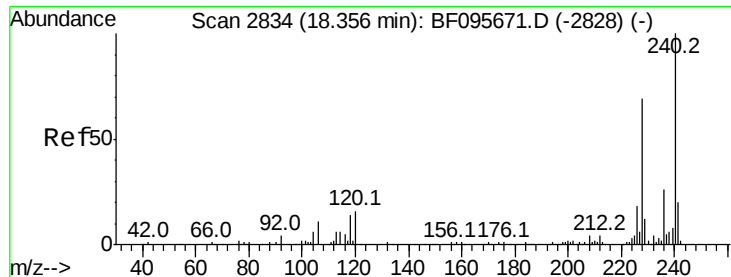
#74
 Fluoranthene
 Concen: 7.12 ng
 RT: 16.40 min Scan# 2519
 Delta R.T. -0.05 min
 Lab File: BF095945.D
 Acq: 15 Jun 2017 3:17

Tgt Ion:202 Resp: 63826
 Ion Ratio Lower Upper
 202 100
 101 13.8 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: 18.30 min Scan# 2842

Delta R.T. -0.05 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

Instrument :

BNA_F

ClientSampleId :

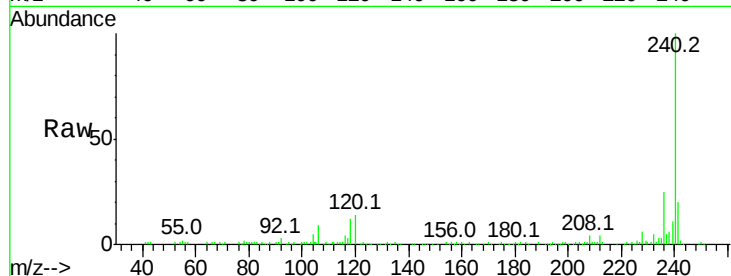
Tot Ion:240 Resp: 135263

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

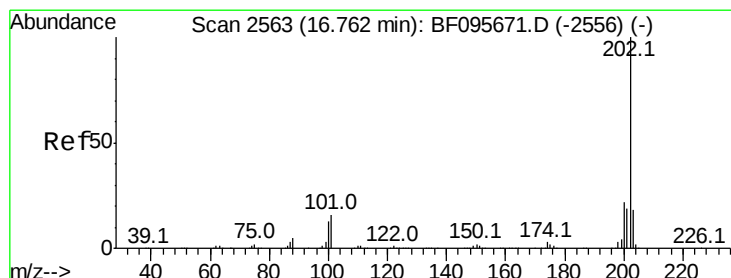
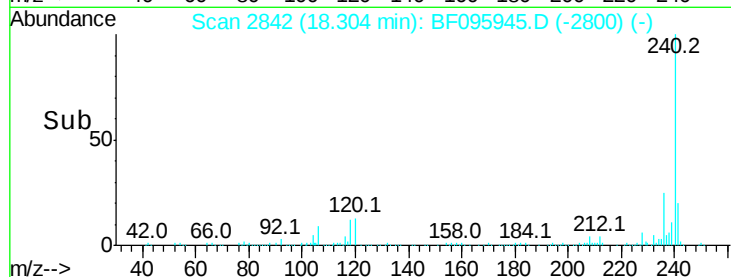
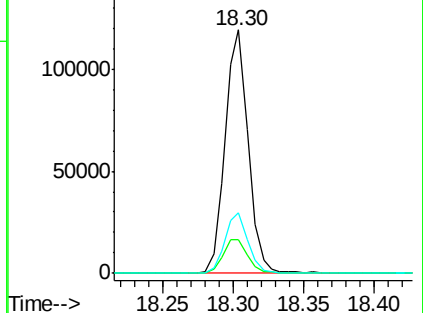
236 25.1 20.5 30.7



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

Pyrene

Concen: 5.86 ng

RT: 16.70 min Scan# 2570

Delta R.T. -0.06 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

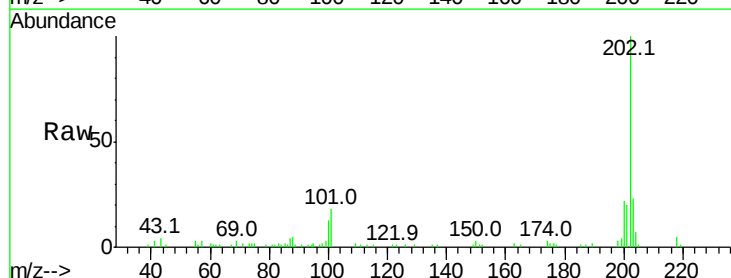
Tgt Ion:202 Resp: 59166

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

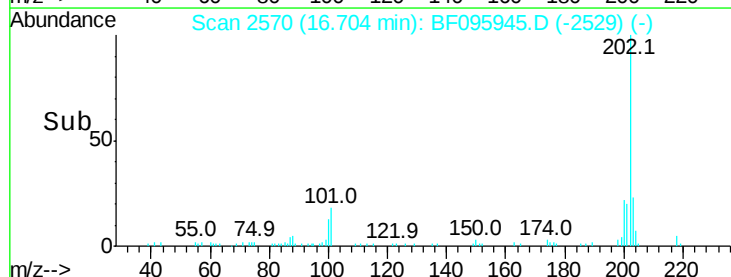
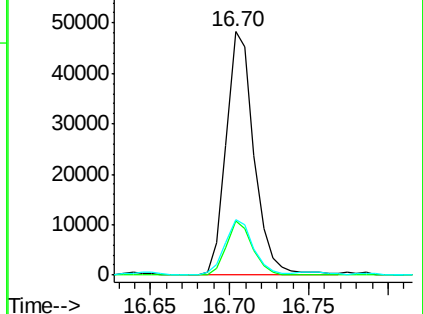
203 22.8 14.4 21.6#

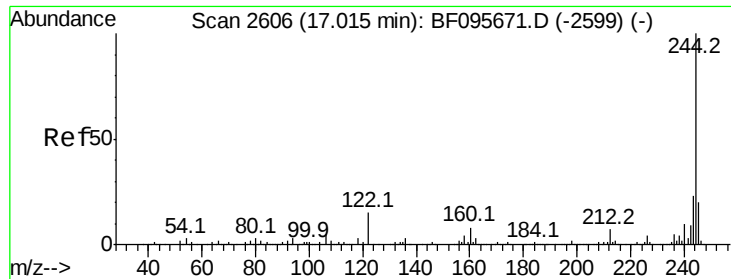


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

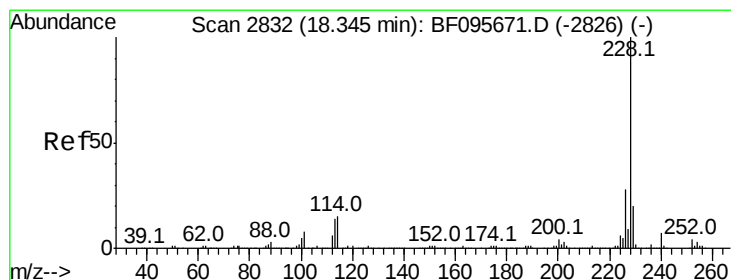
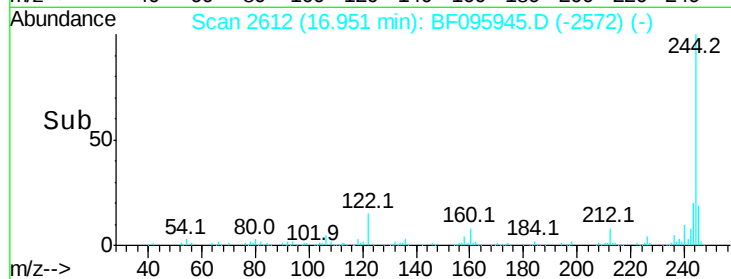
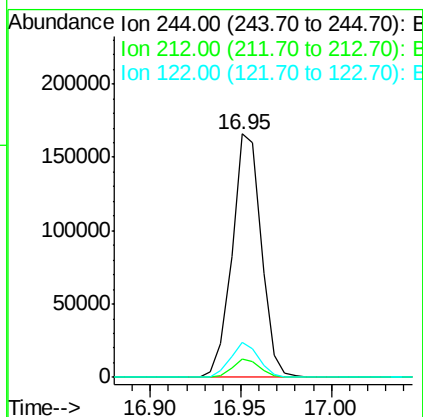
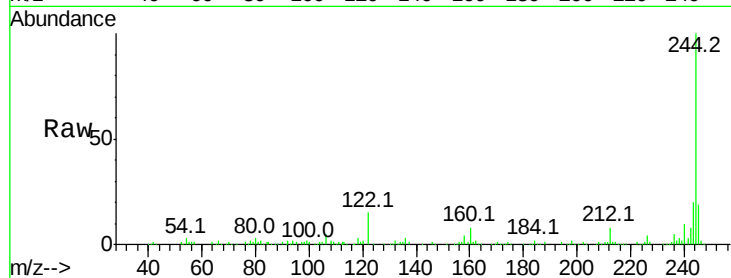




#78
 Terphenyl-d14
 Concen: 34.08 ng
 RT: 16.95 min Scan# 2612
 Delta R.T. -0.06 min
 Lab File: BF095945.D
 Acq: 15 Jun 2017 3:17

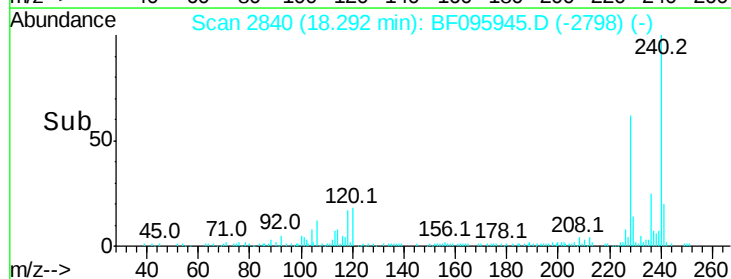
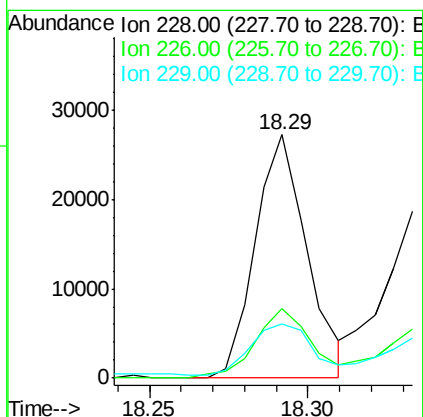
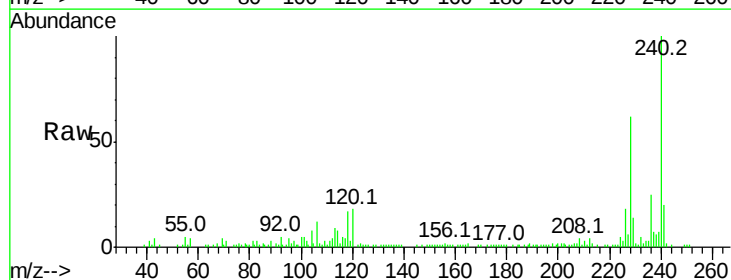
Instrument :
 BNA_F
 ClientSampleId :

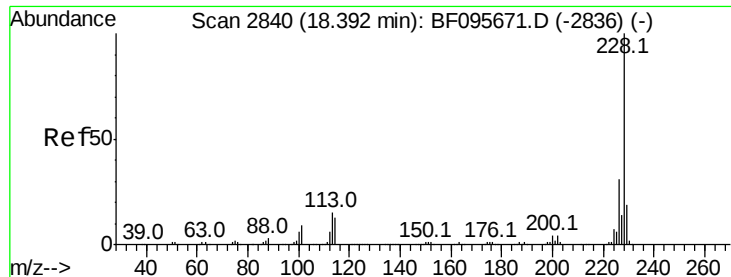
Tot Ion:244 Resp: 185742
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 14.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.93 ng
 RT: 18.29 min Scan# 2840
 Delta R.T. -0.05 min
 Lab File: BF095945.D
 Acq: 15 Jun 2017 3:17

Tgt Ion:228 Resp: 30910
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 22.2 16.3 24.5

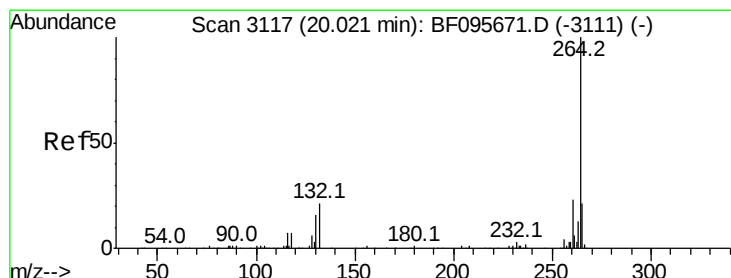
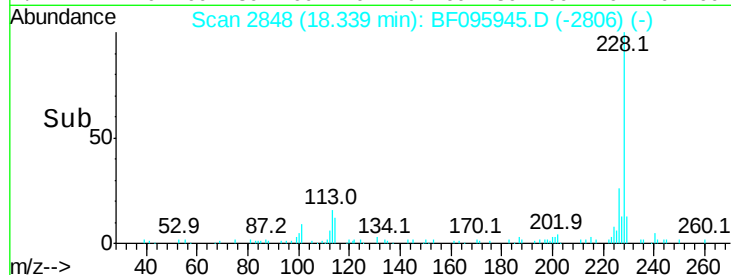
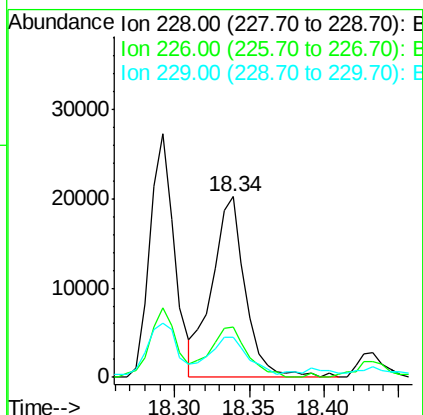
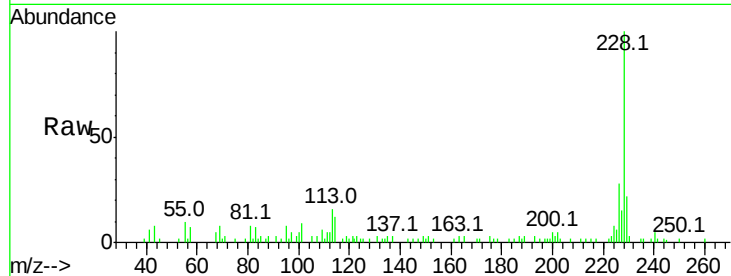




#82
Chrysene
Concen: 4.03 ng
RT: 18.34 min Scan# 2848
Delta R.T. -0.05 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

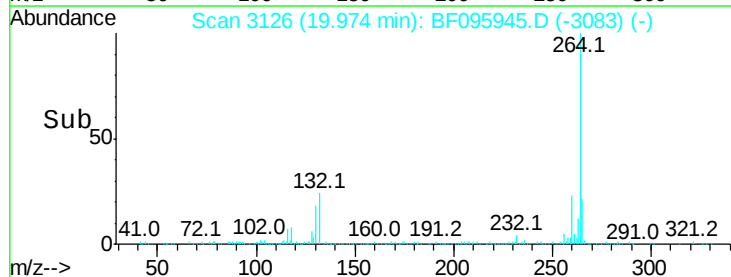
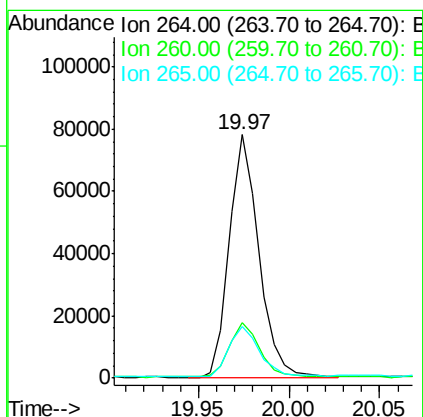
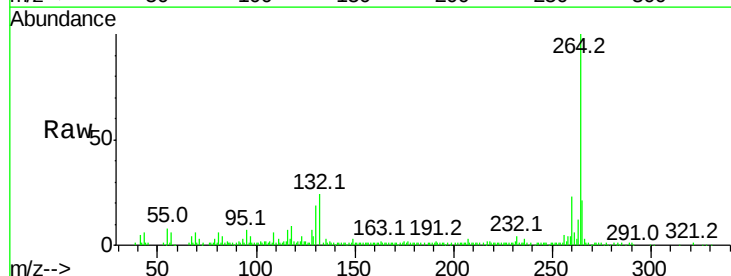
Instrument :
BNA_F
ClientSampleId :

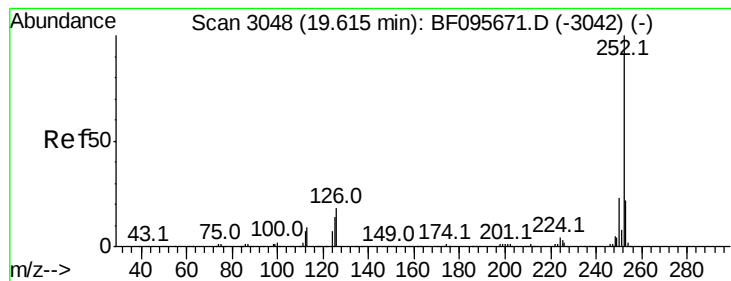
Tot Ion:228 Resp: 31685
Ion Ratio Lower Upper
228 100
226 27.7 24.9 37.3
229 22.0 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3126
Delta R.T. -0.05 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

Tgt Ion:264 Resp: 90512
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 21.1 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 8.20 ng

RT: 19.57 min Scan# 3058

Delta R.T. -0.04 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

Instrument :

BNA_F

ClientSampleId :

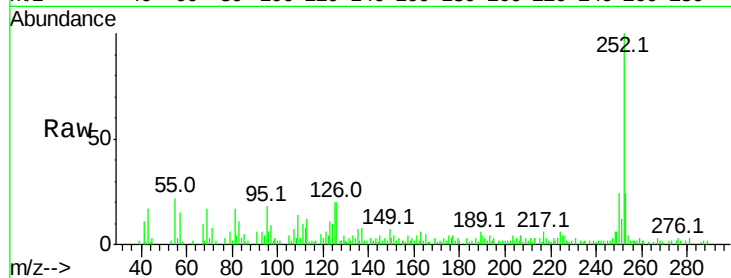
Tot Ion:252 Resp: 46454

Ion Ratio Lower Upper

252 100

253 24.2 18.1 27.1

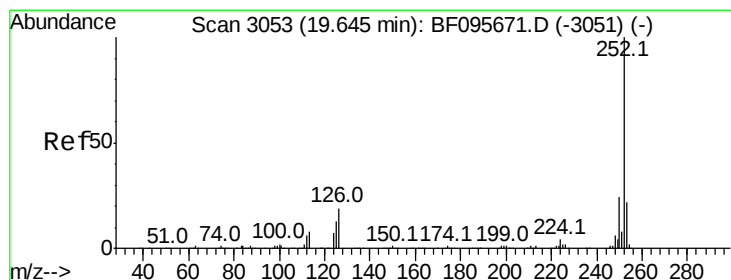
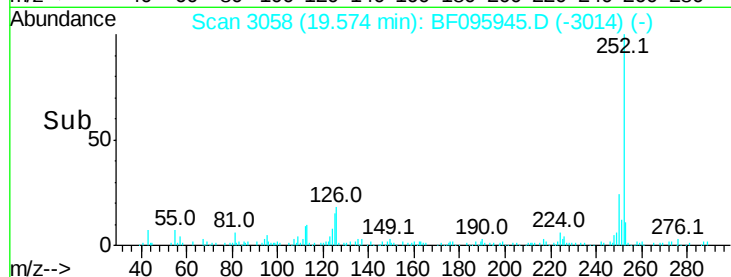
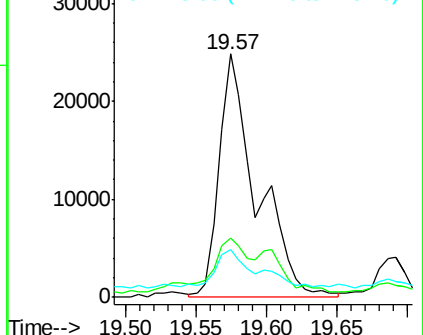
125 19.6 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 8.58 ng

RT: 19.57 min Scan# 3058

Delta R.T. -0.07 min

Lab File: BF095945.D

Acq: 15 Jun 2017 3:17

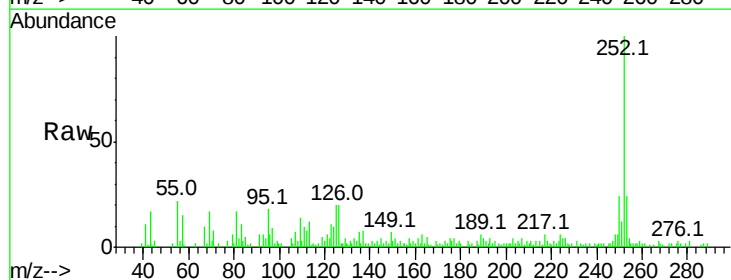
Tgt Ion:252 Resp: 46454

Ion Ratio Lower Upper

252 100

253 24.2 18.4 27.6

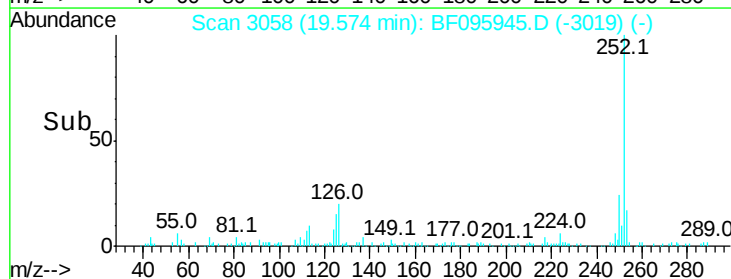
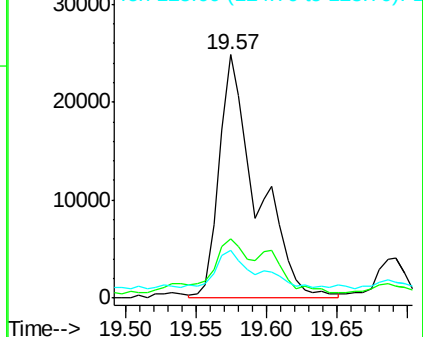
125 19.6 13.1 19.7

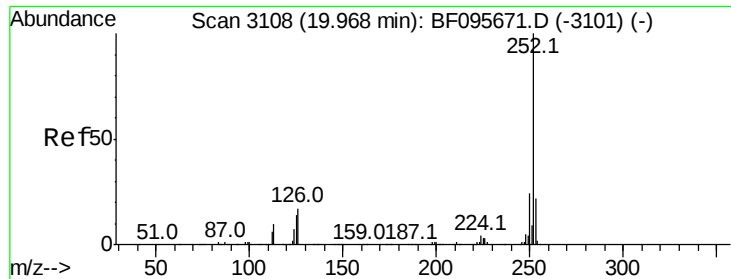


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

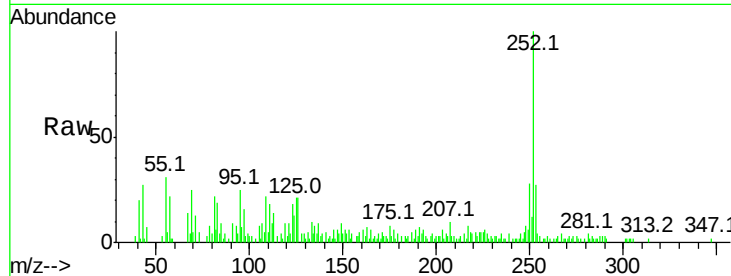




#89
Benzo(a)pyrene
Concen: 4.27 ng
RT: 19.92 min Scan# 3117
Delta R.T. -0.05 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.5	26.3
125	21.2	11.0	16.4

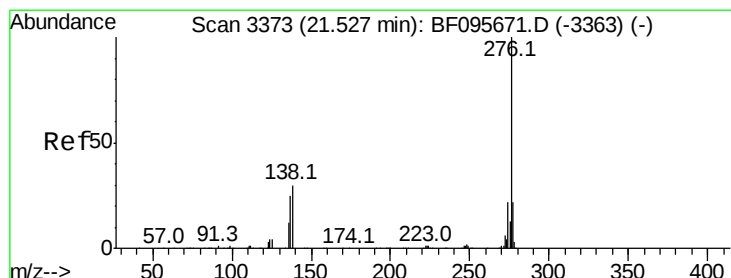
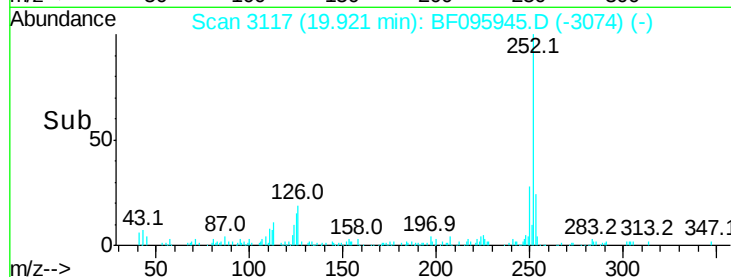
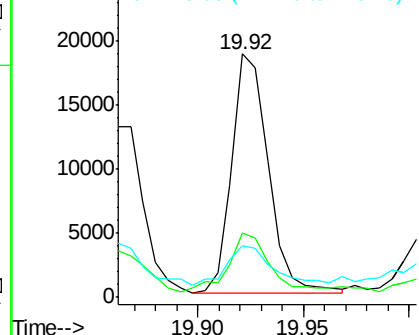


Abundance

Ion 252.00 (251.70 to 252.70): E

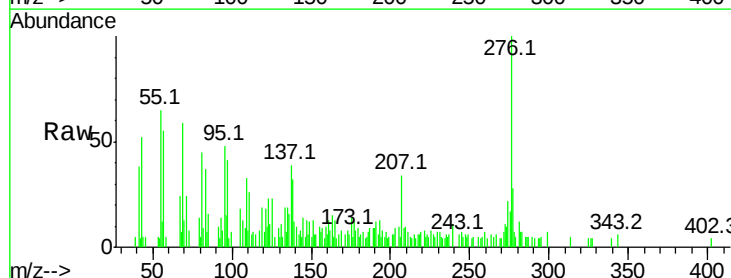
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.48 ng
RT: 21.49 min Scan# 3384
Delta R.T. -0.04 min
Lab File: BF095945.D
Acq: 15 Jun 2017 3:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	28.0
138	32.1	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

