

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095573.D
 Acq On : 31 May 2017 20:08
 Operator : SJ/MA
 Sample : I3329-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 01:35:52 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

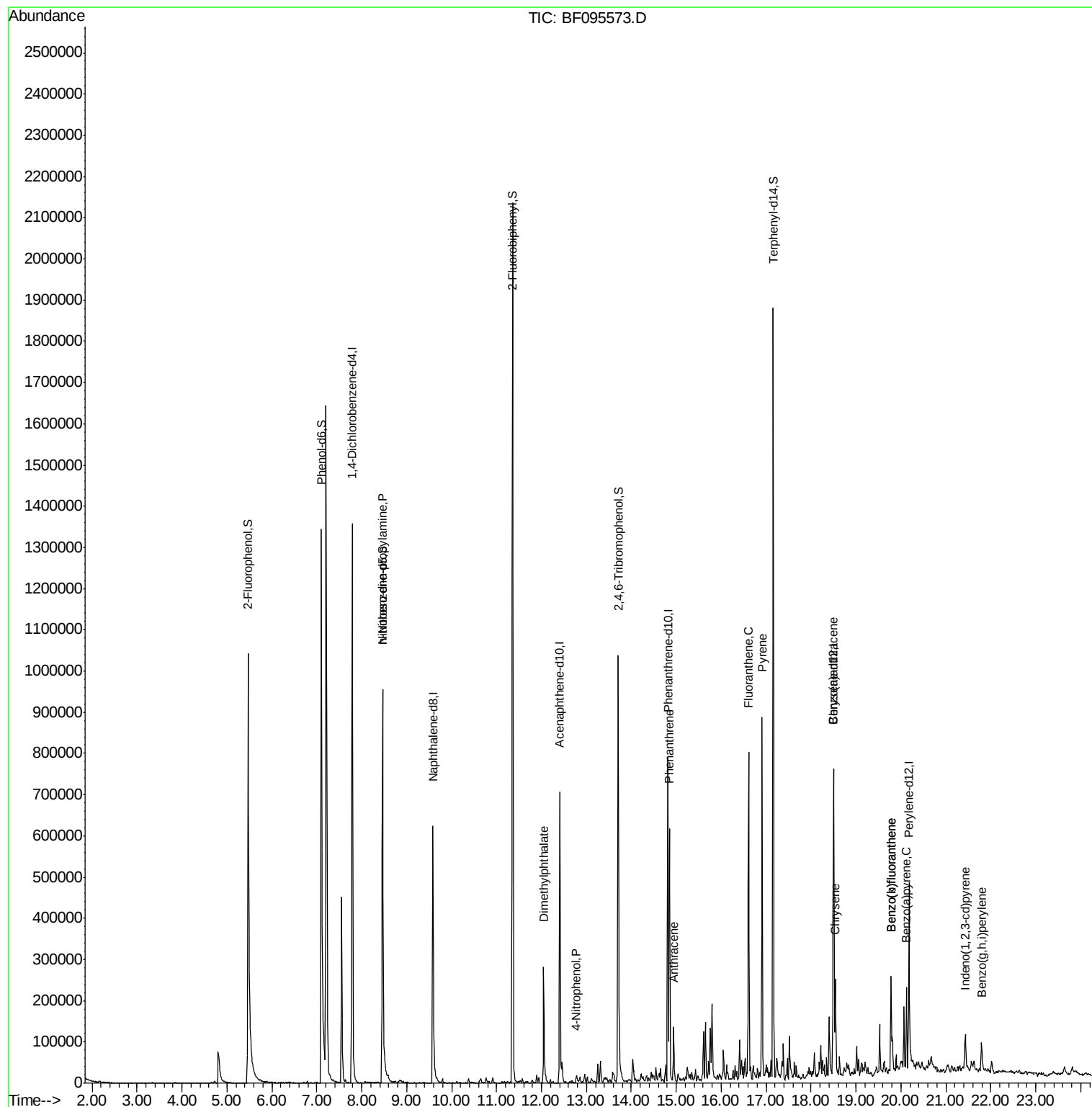
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	328726	20.00	ng	0.05
21) Naphthalene-d8	9.58	136	476067	20.00	ng	-0.18
38) Acenaphthene-d10	12.41	164	197776	20.00	ng	-0.19
63) Phenanthrene-d10	14.81	188	387556	20.00	ng	-0.19
75) Chrysene-d12	18.51	240	254573	20.00	ng	-0.17
86) Perylene-d12	20.18	264	194584	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	679959	34.49	ng	-0.24
7) Phenol-d6	7.10	99	912883	38.59	ng	-0.19
23) Nitrobenzene-d5	8.47	82	537780	71.23	ng	-0.19
41) 2,4,6-Tribromophenol	13.71	330	179447	110.79	ng	-0.19
44) 2-Fluorobiphenyl	11.36	172	970149	70.60	ng	-0.18
78) Terphenyl-d14	17.16	244	692704	59.93	ng	-0.16
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.47	70	69149	4.32	ng	# 74
49) Dimethylphthalate	12.05	163	183912	11.33	ng	99
55) 4-Nitrophenol	12.77	139	4403	2.06	ng	# 25
70) Phenanthrene	14.85	178	345213	15.50	ng	97
71) Anthracene	14.94	178	79764	3.51	ng	97
74) Fluoranthene	16.61	202	413494	18.10	ng	98
77) Pyrene	16.91	202	367795	19.32	ng	97
80) Benzo(a)anthracene	18.49	228	128231	8.65	ng	97
82) Chrysene	18.54	228	120884	8.44	ng	97
85) Indeno(1,2,3-cd)pyrene	21.44	276	54627	4.70	ng	97
87) Benzo(b)fluoranthene	19.78	252	116818	9.72	ng	# 97
88) Benzo(k)fluoranthene	19.78	252	116818	10.07	ng	98
89) Benzo(a)pyrene	20.12	252	80631	7.27	ng	97
91) Benzo(a,h,i)perylene	21.79	276	51885	5.77	ng	95

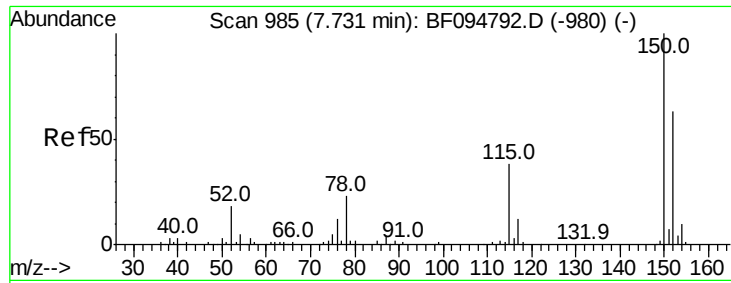
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 1012

Delta R.T. 0.05 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

ClientSampleId :

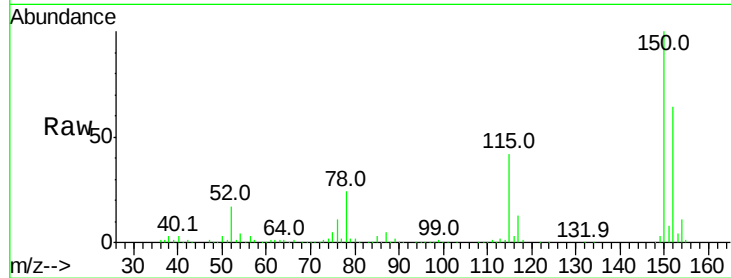
Tot Ion:152 Resp: 328726

Ion Ratio Lower Upper

152 100

150 157.1 126.2 189.2

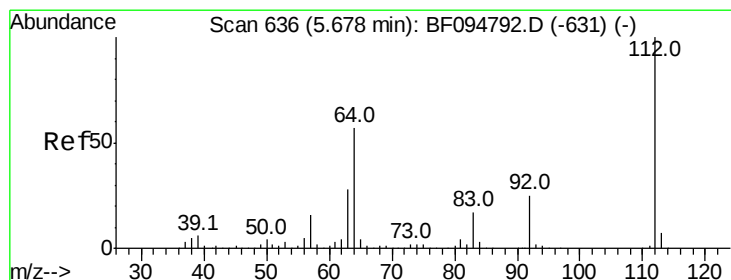
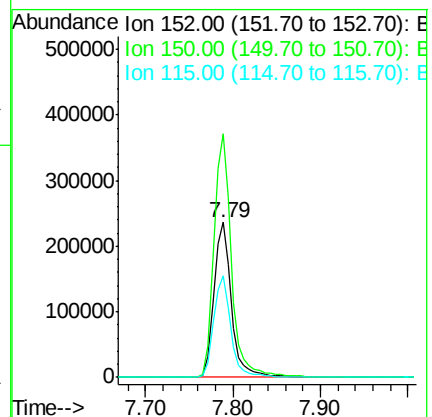
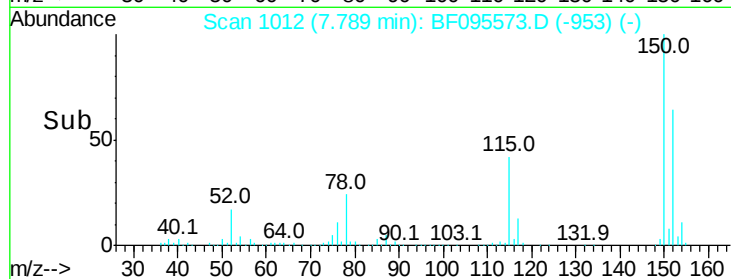
115 65.3 52.2 78.2



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: 34.49 ng

RT: 5.47 min Scan# 617

Delta R.T. -0.24 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

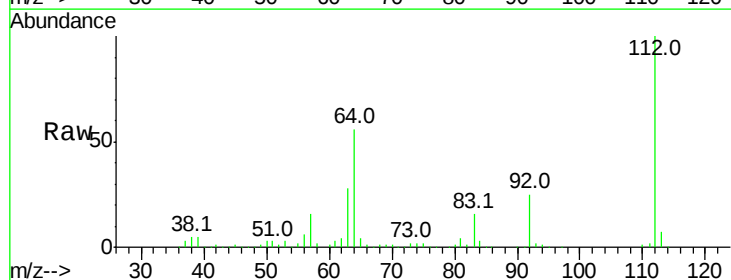
Tgt Ion:112 Resp: 679959

Ion Ratio Lower Upper

112 100

64 55.8 46.0 69.0

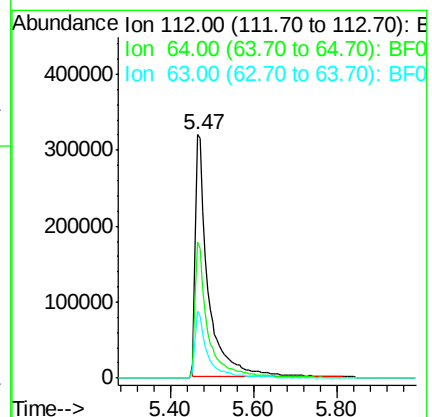
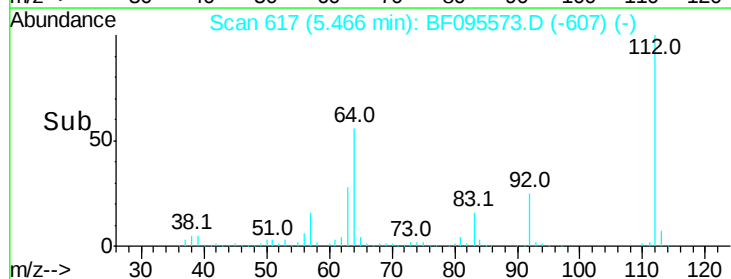
63 27.7 23.4 35.0



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: 38.59 ng

RT: 7.10 min Scan# 895

Delta R.T. -0.19 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

ClientSampleId :

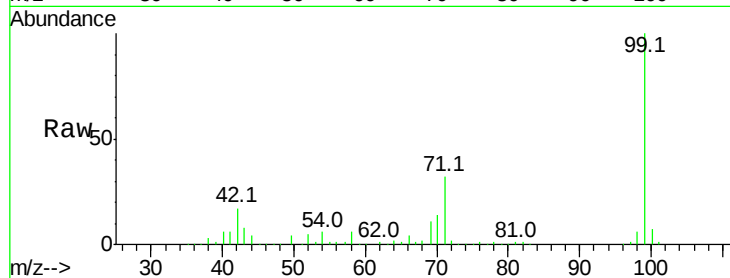
Tot Ion: 99 Resp: 912883

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

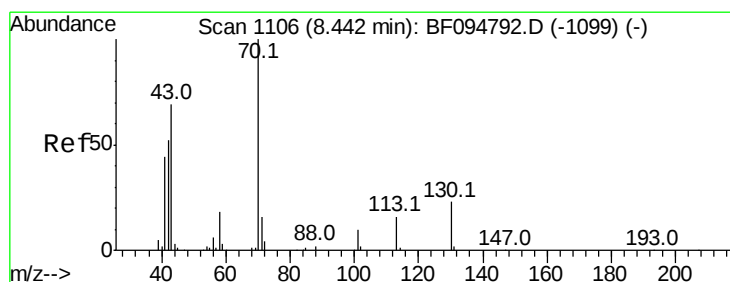
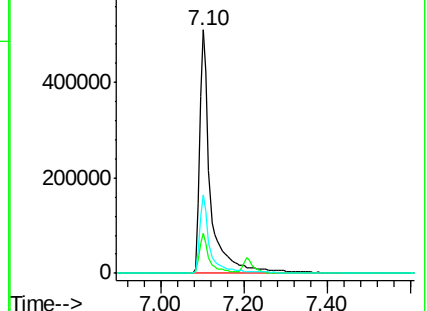
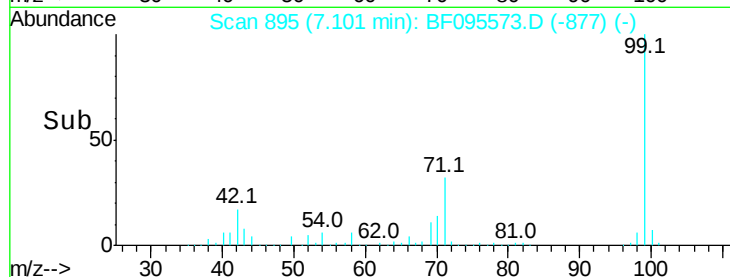
71 32.4 24.5 36.7



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: 4.32 ng

RT: 8.47 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Tgt Ion: 70 Resp: 69149

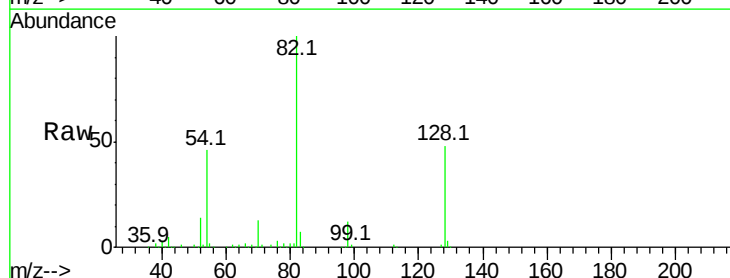
Ion Ratio Lower Upper

70 100

42 41.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

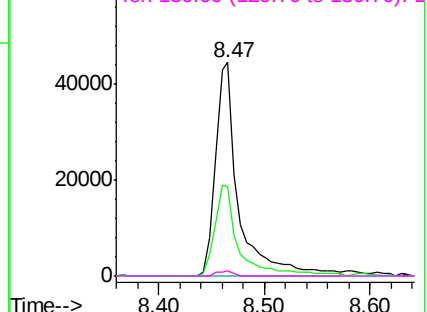
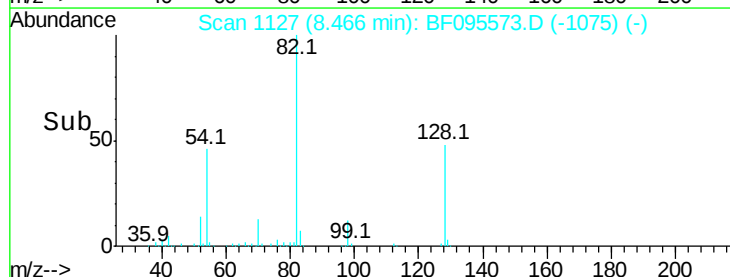


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 476067

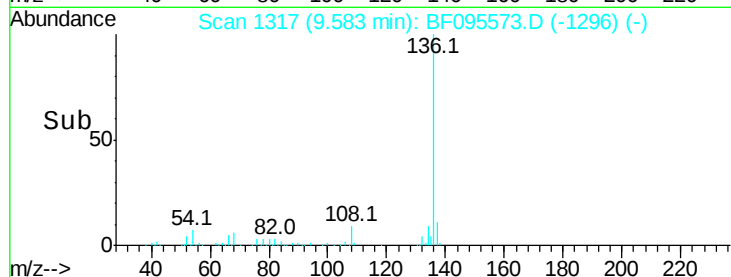
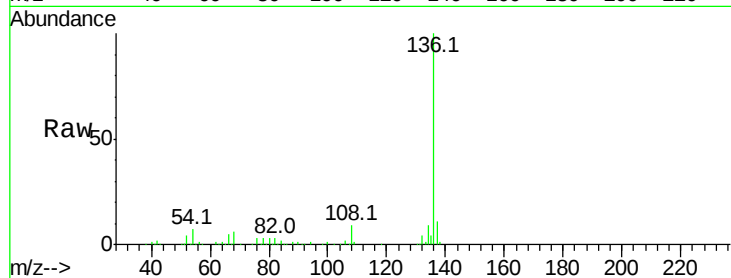
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.6 4.9 7.3

68 6.0 4.1 6.1

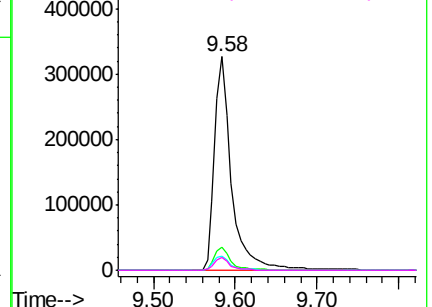


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.23 ng

RT: 8.47 min Scan# 1127

Delta R.T. -0.19 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

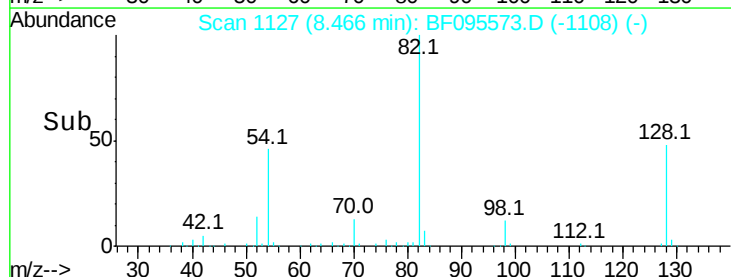
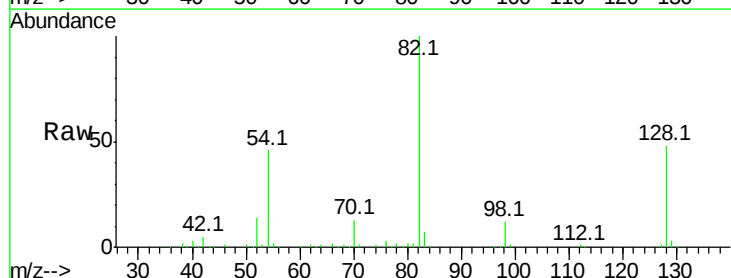
Tgt Ion: 82 Resp: 537780

Ion Ratio Lower Upper

82 100

128 48.4 34.0 51.0

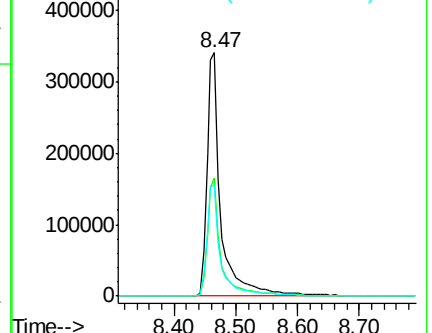
54 45.5 42.2 63.2



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: 12.41 min Scan# 1797

Delta R.T. -0.19 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

ClientSampleId :

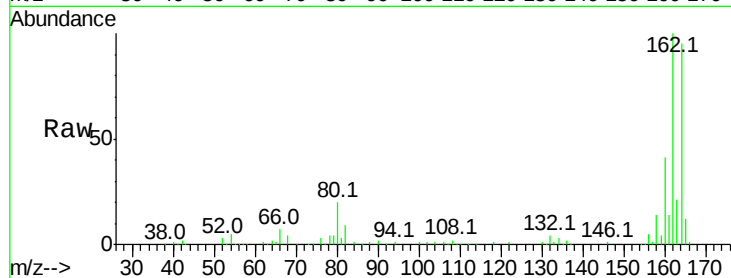
Tot Ion:164 Resp: 197776

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

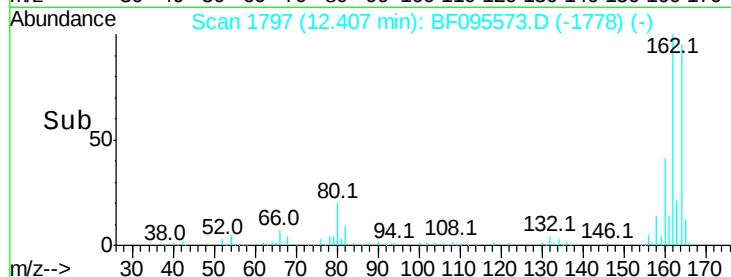
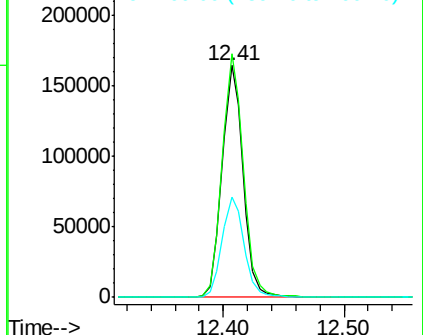
160 43.4 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 110.79 ng

RT: 13.71 min Scan# 2018

Delta R.T. -0.19 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

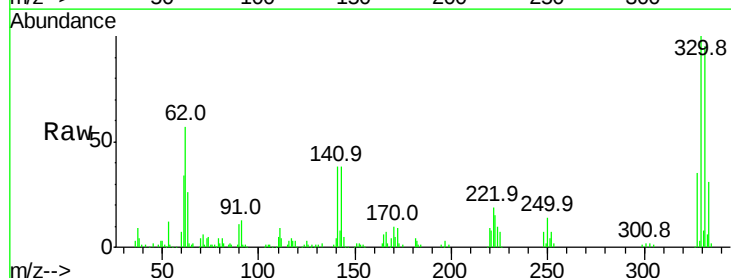
Tgt Ion:330 Resp: 179447

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

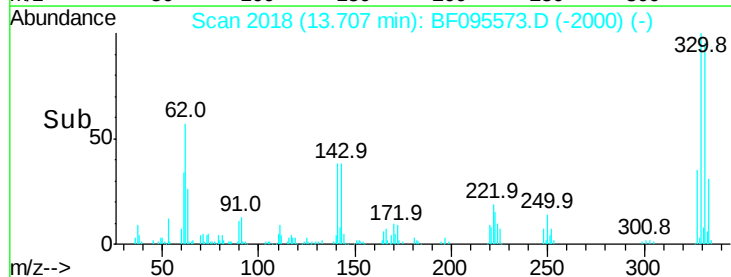
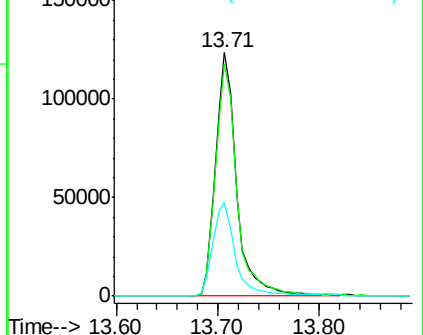
141 41.0 31.4 47.2



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

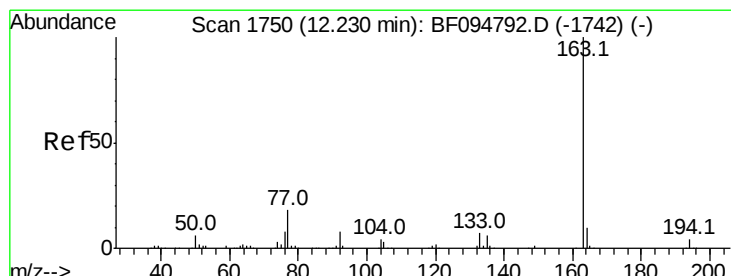
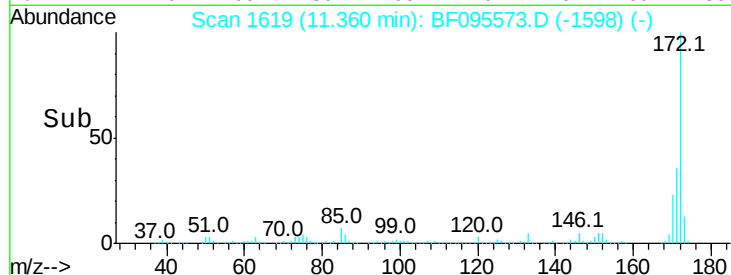
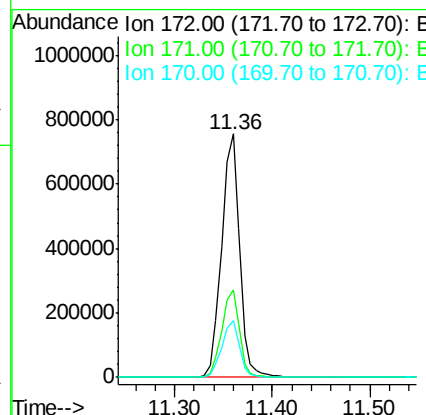
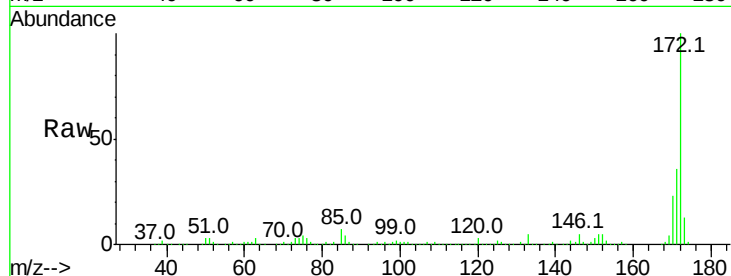




#44
 2-Fluorobiphenyl
 Concen: 70.60 ng
 RT: 11.36 min Scan# 1619
 Delta R.T. -0.18 min
 Lab File: BF095573.D
 Acq: 31 May 2017 20:08

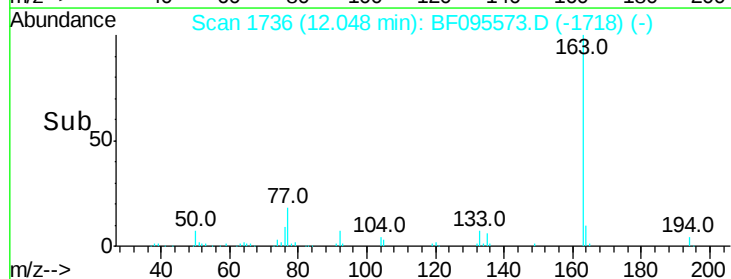
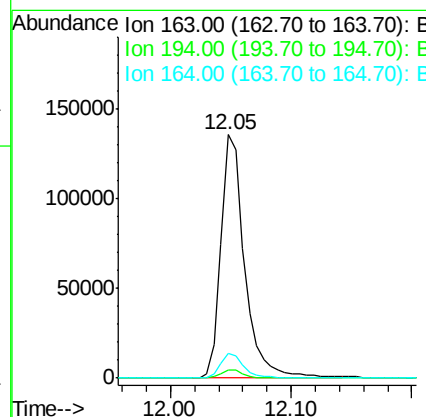
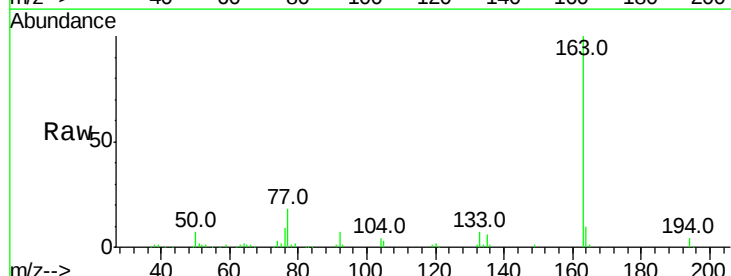
Instrument :
 BNA_F
 ClientSampled :

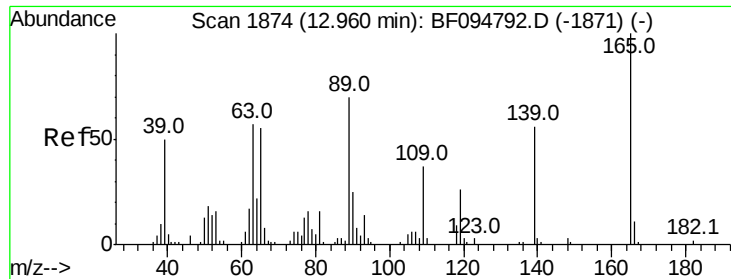
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.4	19.8	29.8



#49
 Dimethylphthalate
 Concen: 11.33 ng
 RT: 12.05 min Scan# 1736
 Delta R.T. -0.19 min
 Lab File: BF095573.D
 Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.9	8.4	12.6

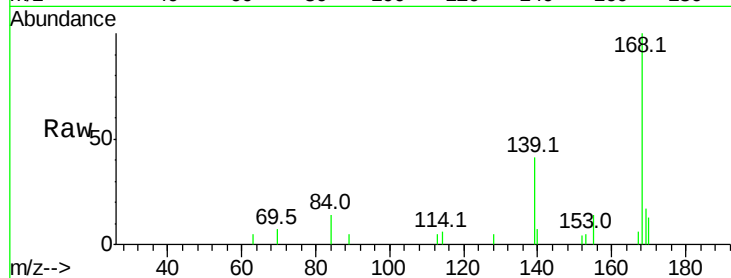




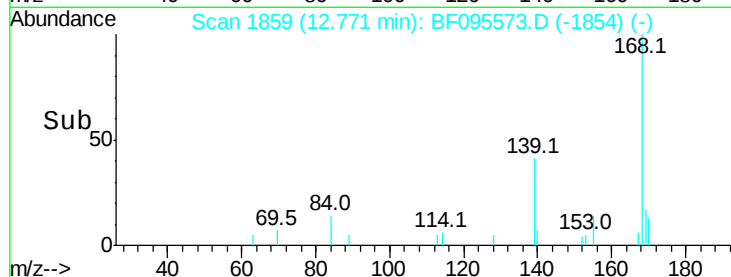
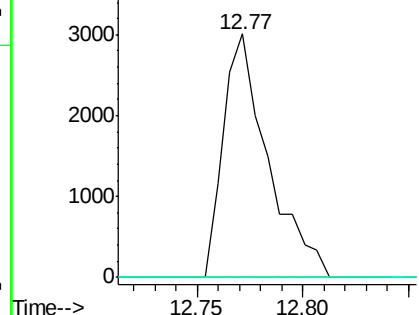
#55
4-Nitrophenol
Concen: 2.06 ng
RT: 12.77 min Scan# 1859
Delta R.T. -0.27 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 4403
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

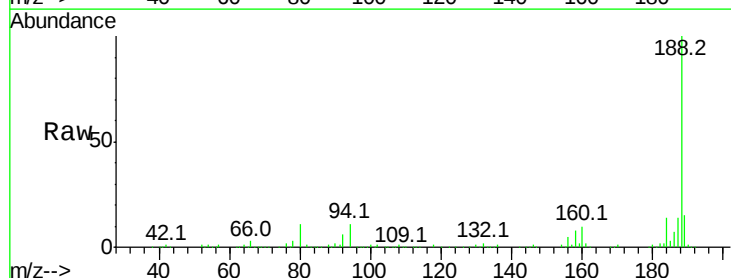


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

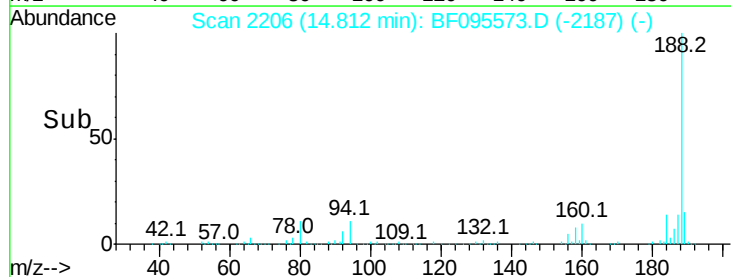
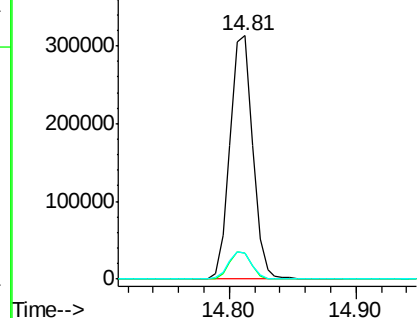


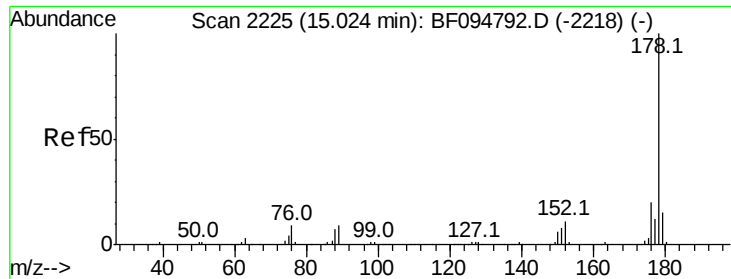
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2206
Delta R.T. -0.19 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion:188 Resp: 387556
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 10.7 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

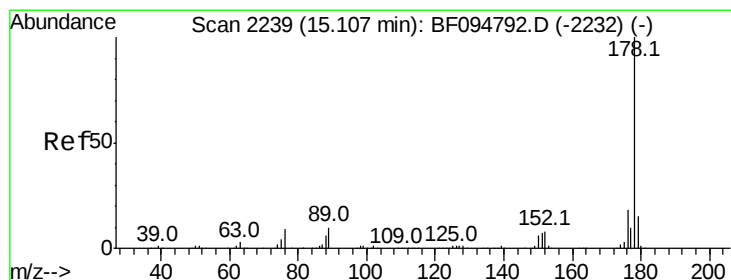
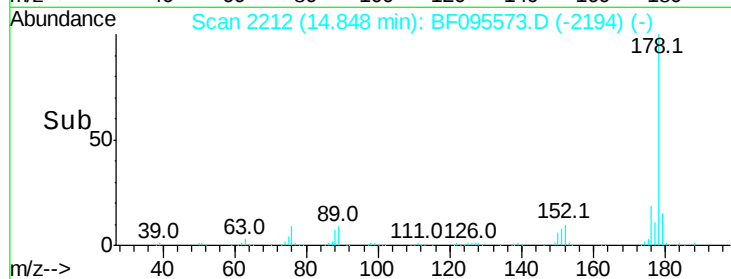
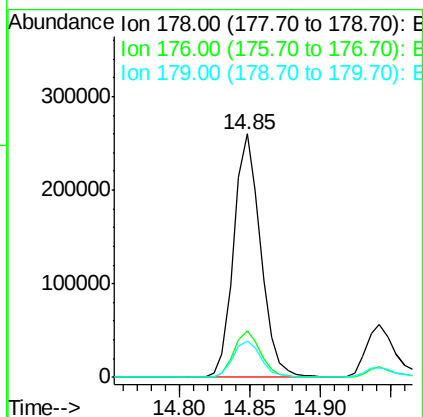
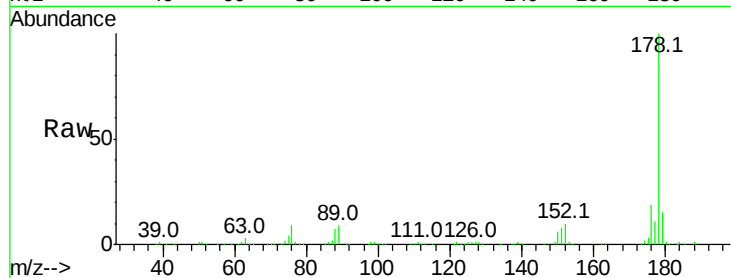




#70
Phenanthrene
Concen: 15.50 ng
RT: 14.85 min Scan# 2212
Delta R.T. -0.19 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

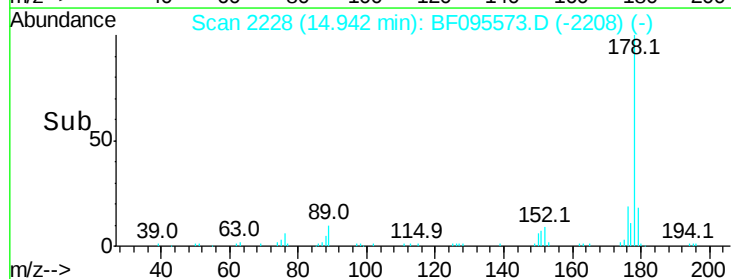
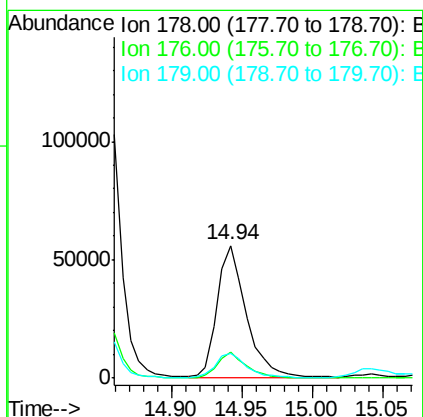
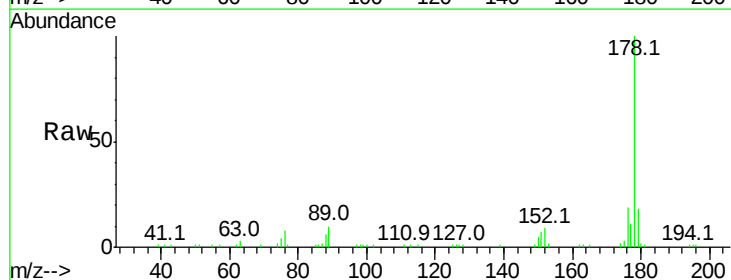
Instrument :
BNA_F
ClientSampleId :

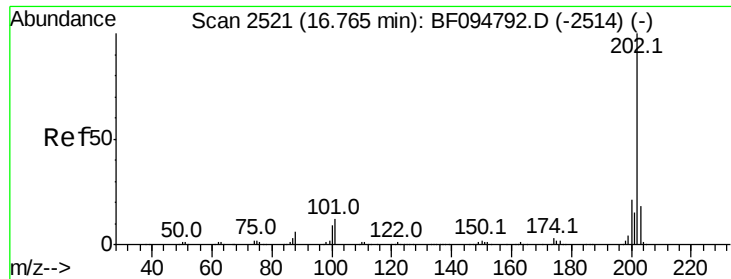
Tot Ion:178 Resp: 345213
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.0 12.6 19.0



#71
Anthracene
Concen: 3.51 ng
RT: 14.94 min Scan# 2228
Delta R.T. -0.18 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion:178 Resp: 79764
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 18.5 12.7 19.1





#74

Fluoranthene

Concen: 18.10 ng

RT: 16.61 min Scan# 2511

Delta R.T. -0.18 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

ClientSampleId :

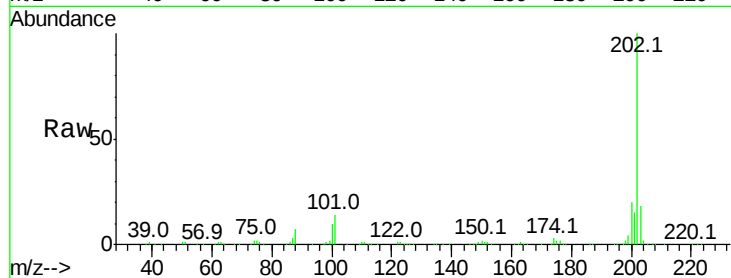
Tot Ion:202 Resp: 413494

Ion Ratio Lower Upper

202 100

101 14.5 0.0 33.2

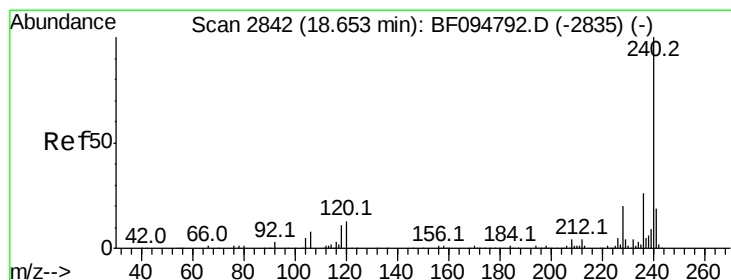
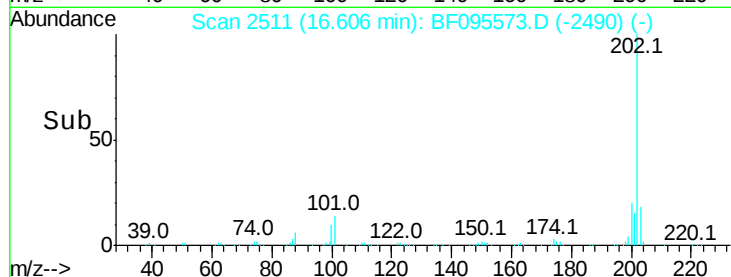
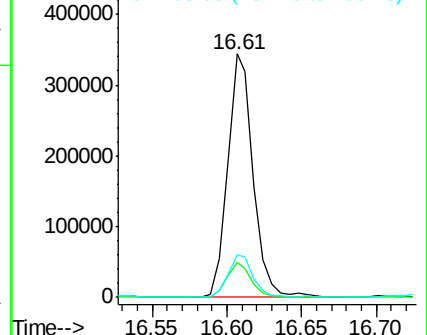
203 17.6 0.0 38.1



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: BF095573.D

Acq: 31 May 2017 20:08

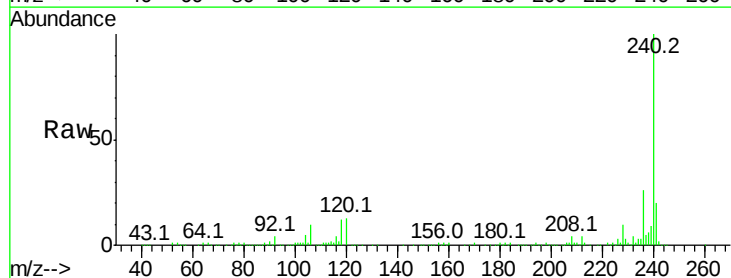
Tgt Ion:240 Resp: 254573

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

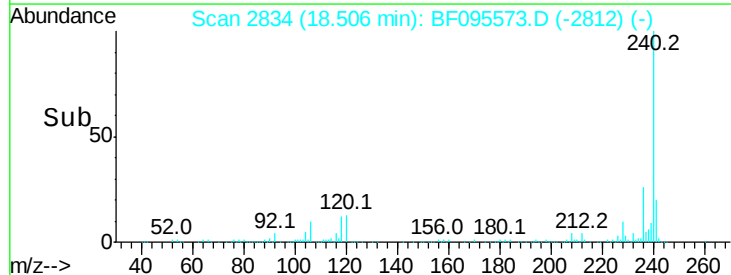
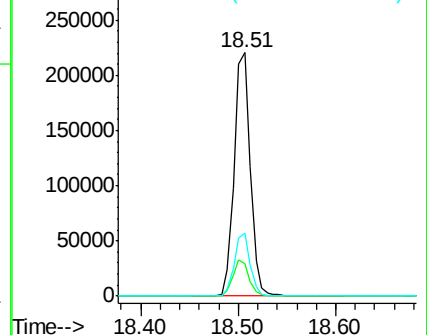
236 26.0 20.5 30.7

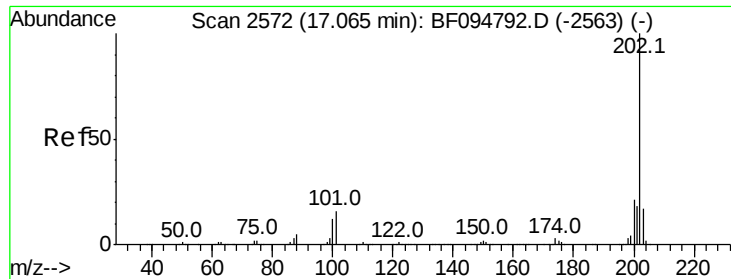


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.32 ng

RT: 16.91 min Scan# 2563

Delta R.T. -0.18 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

ClientSampleId :

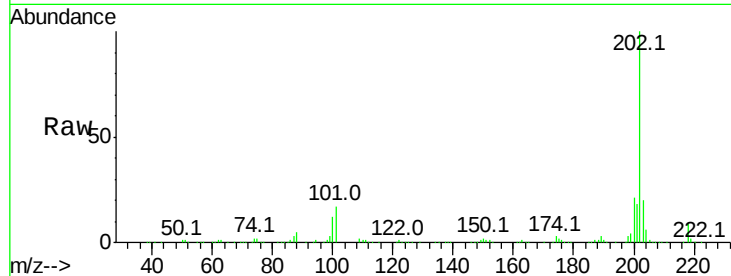
Tot Ion:202 Resp: 367795

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

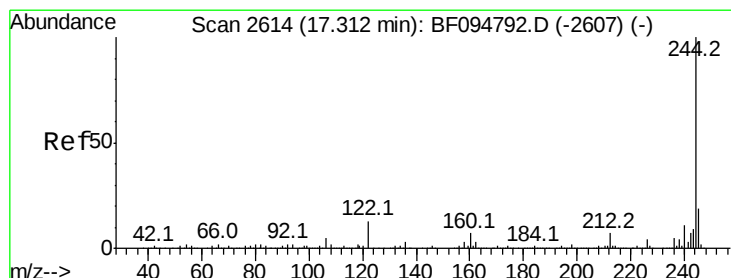
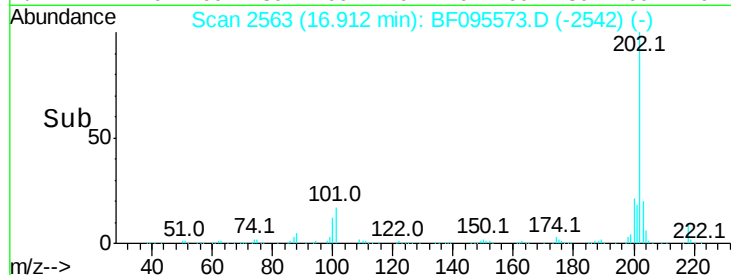
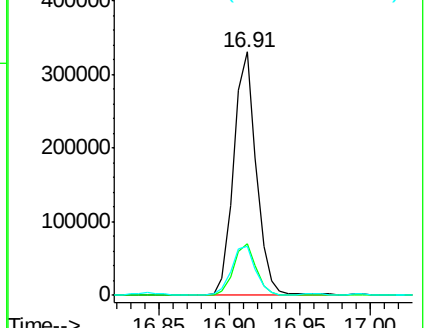
203 20.4 14.4 21.6



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: 59.93 ng

RT: 17.16 min Scan# 2605

Delta R.T. -0.16 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

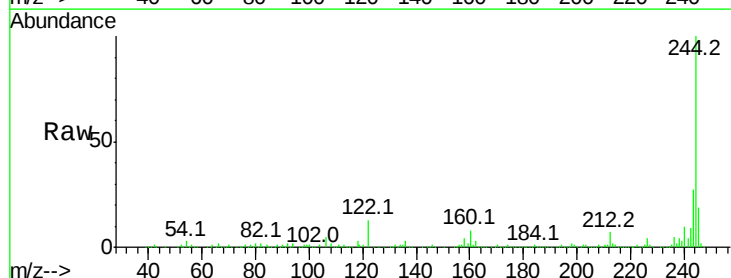
Tgt Ion:244 Resp: 692704

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

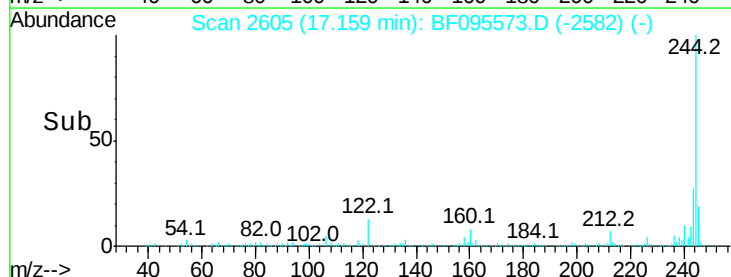
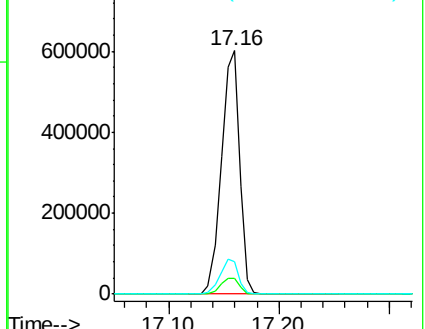
122 13.3 10.3 15.5

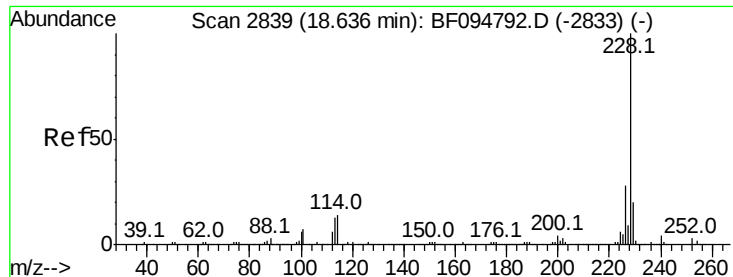


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.65 ng

RT: 18.49 min Scan# 2832

Delta R.T. -0.17 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

ClientSampleId :

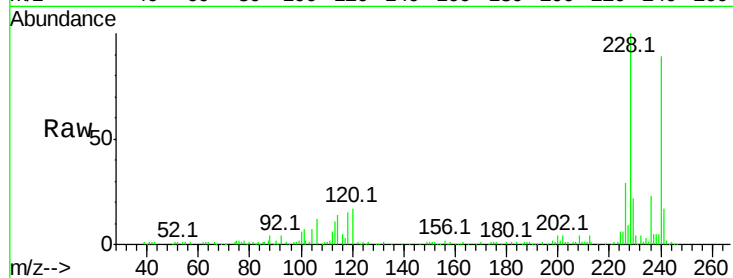
Tot Ion:228 Resp: 128231

Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

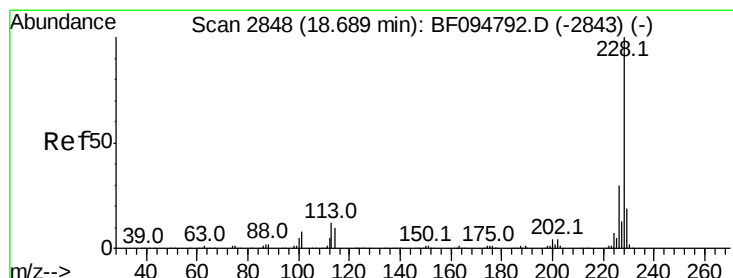
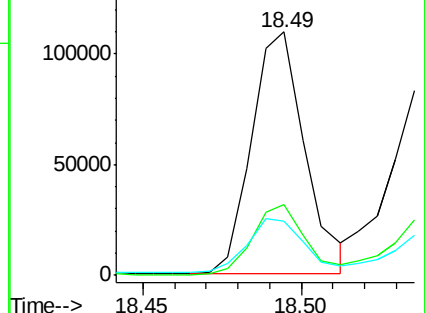
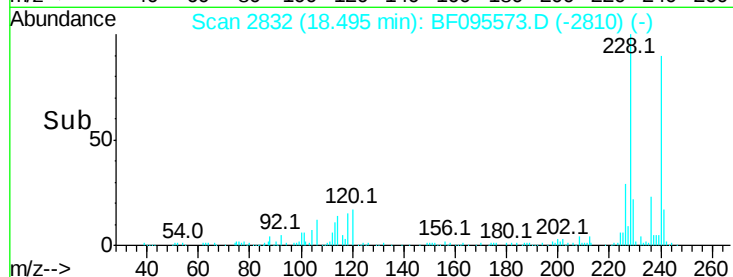
229 22.5 16.3 24.5



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: 8.44 ng

RT: 18.54 min Scan# 2839

Delta R.T. -0.18 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

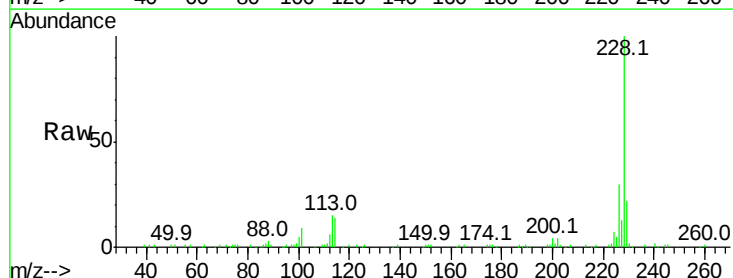
Tgt Ion:228 Resp: 120884

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

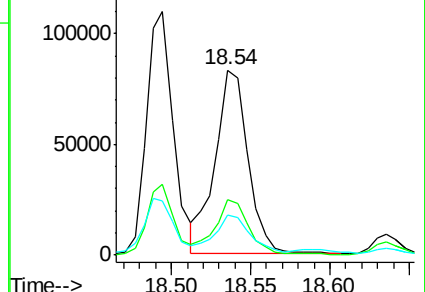
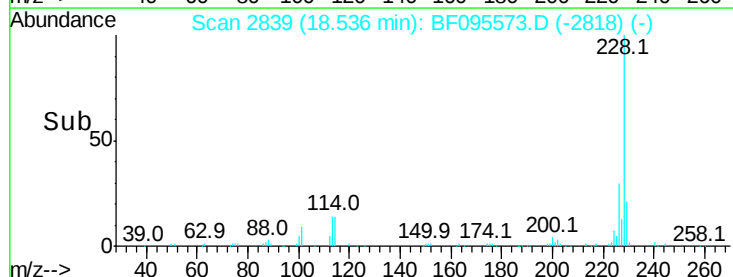
229 21.7 15.8 23.6

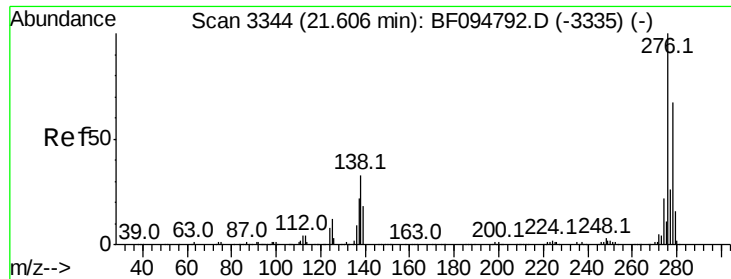


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

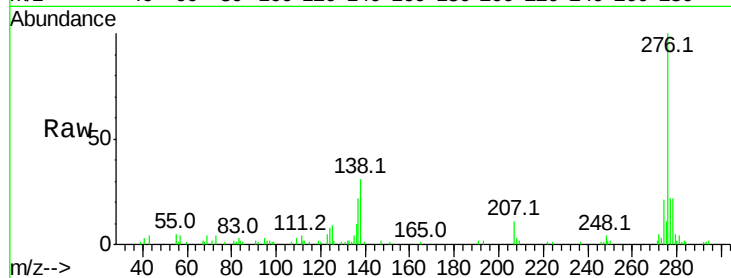




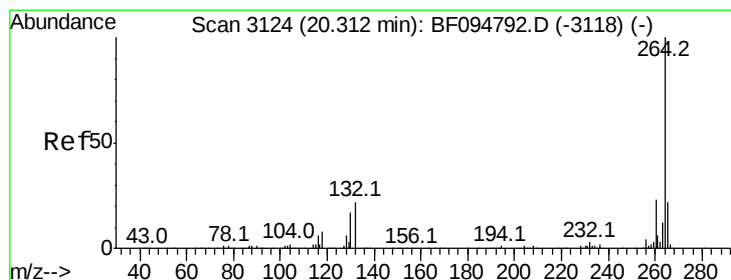
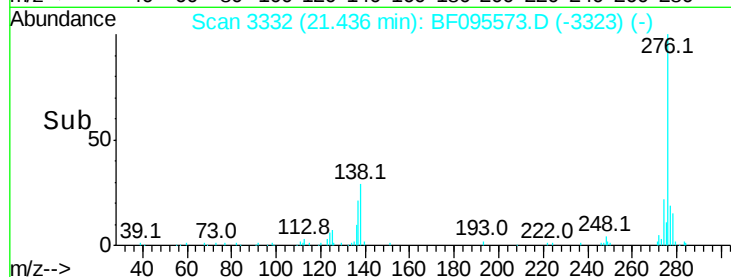
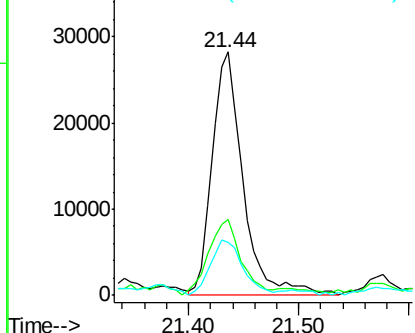
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.70 ng
RT: 21.44 min Scan# 3332
Delta R.T. -0.25 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 54627
Ion Ratio Lower Upper
276 100
138 32.8 27.8 41.6
277 24.2 20.2 30.4

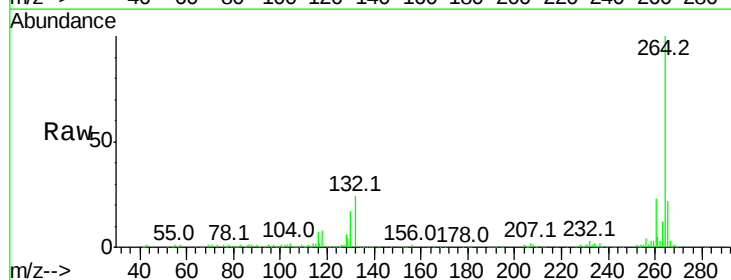


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

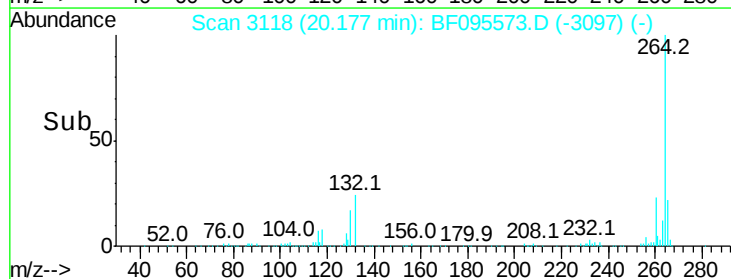
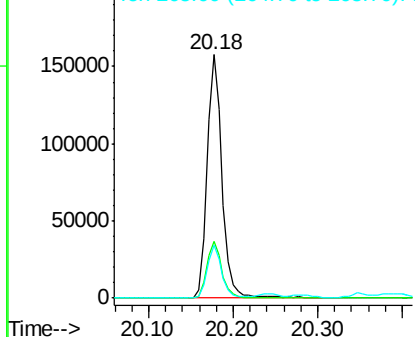


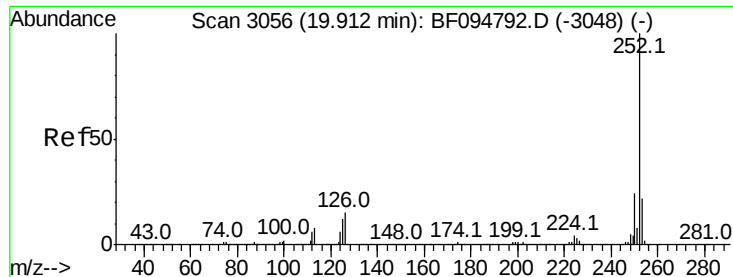
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.18 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion:264 Resp: 194584
Ion Ratio Lower Upper
264 100
260 23.1 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: 9.72 ng

RT: 19.78 min Scan# 3050

Delta R.T. -0.16 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

ClientSampled :

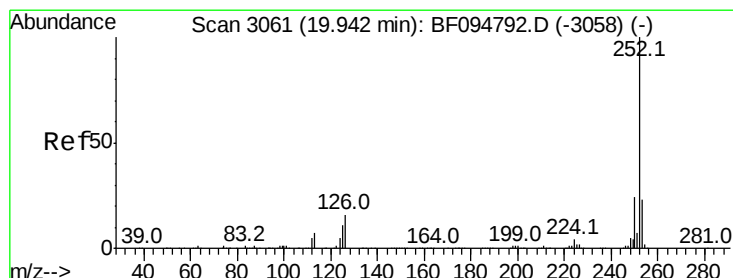
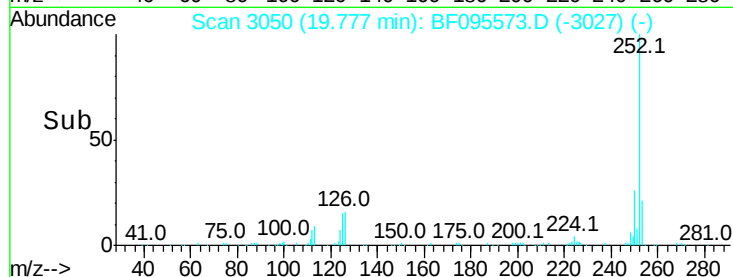
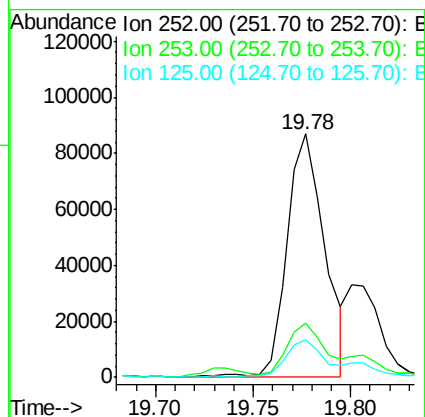
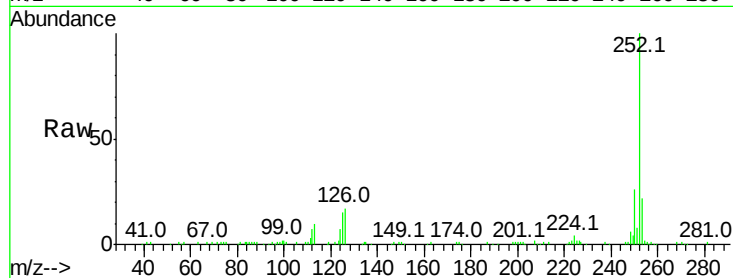
Tot Ion:252 Resp: 116818

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

125 15.4 9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 10.07 ng

RT: 19.78 min Scan# 3050

Delta R.T. -0.19 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

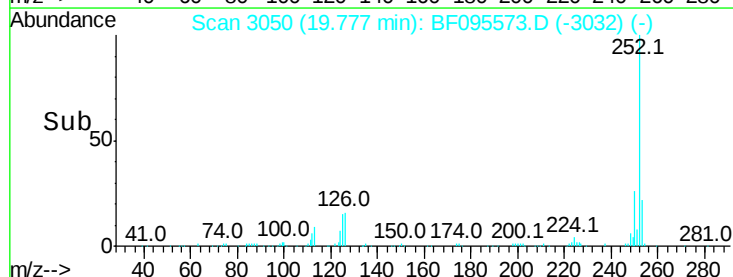
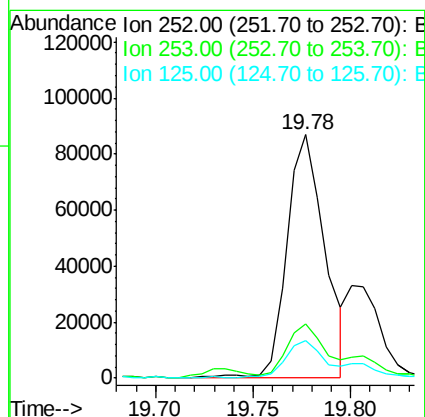
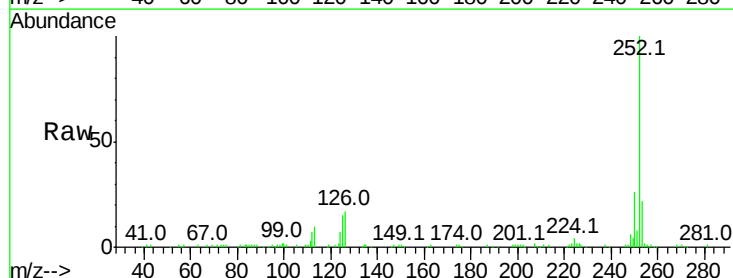
Tgt Ion:252 Resp: 116818

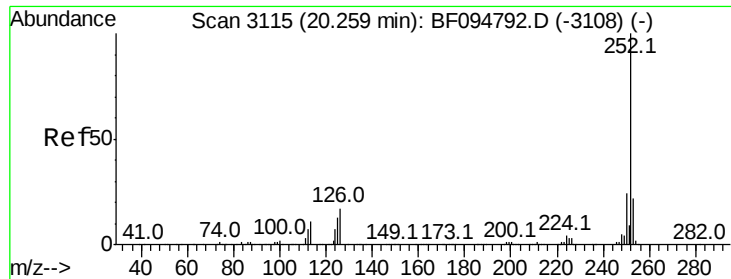
Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

125 15.4 13.1 19.7

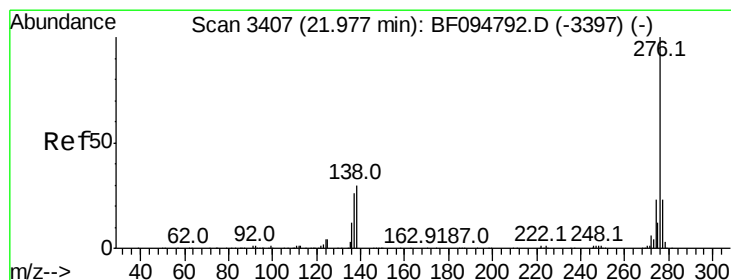
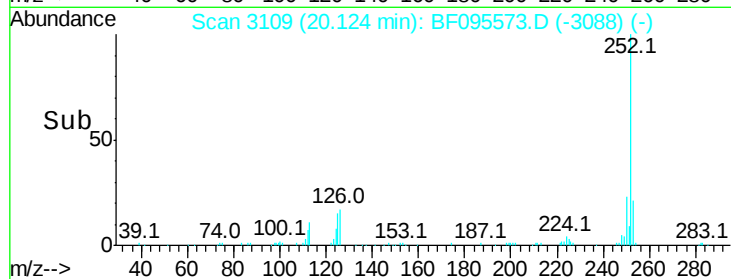
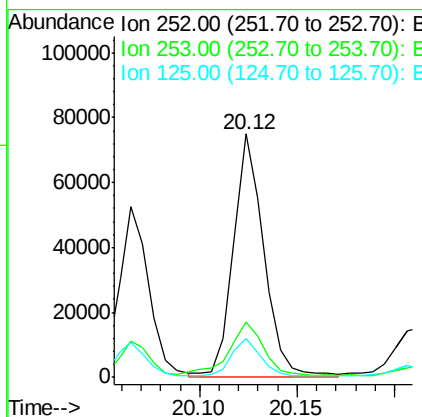
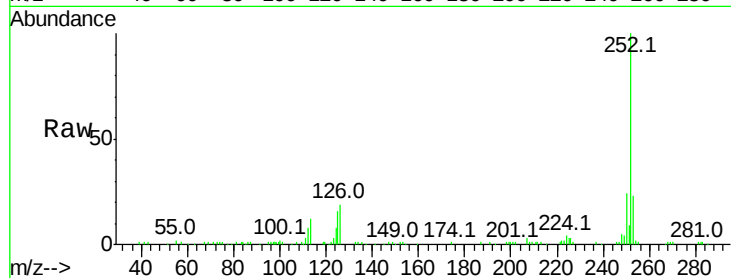




#89
Benzo(a)pyrene
Concen: 7.27 ng
RT: 20.12 min Scan# 3109
Delta R.T. -0.18 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.9	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 5.77 ng
RT: 21.79 min Scan# 3393
Delta R.T. -0.28 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	28.6	25.4	38.0

