

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095422.D
 Acq On : 25 May 2017 12:33
 Operator : SJ/MA
 Sample : I3300-02 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 13:29:27 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	7.75	152	74748	20.00	ng	-0.01
21) Naphthalene-d8	9.77	136	281453	20.00	ng	-0.01
38) Acenaphthene-d10	12.61	164	109538	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	186208	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	172188	20.00	ng	-0.01
86) Perylene-d12	20.36	264	114692	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.78	112	74367	16.59	ng	0.04
7) Phenol-d6	7.36	99	93487	17.38	ng	0.05
23) Nitrobenzene-d5	8.69	82	48851	10.94	ng	0.02
41) 2,4,6-Tribromophenol	13.92	330	16320	18.19	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	103233	13.56	ng	-0.01
78) Terphenyl-d14	17.32	244	79977	10.23	ng	-0.02

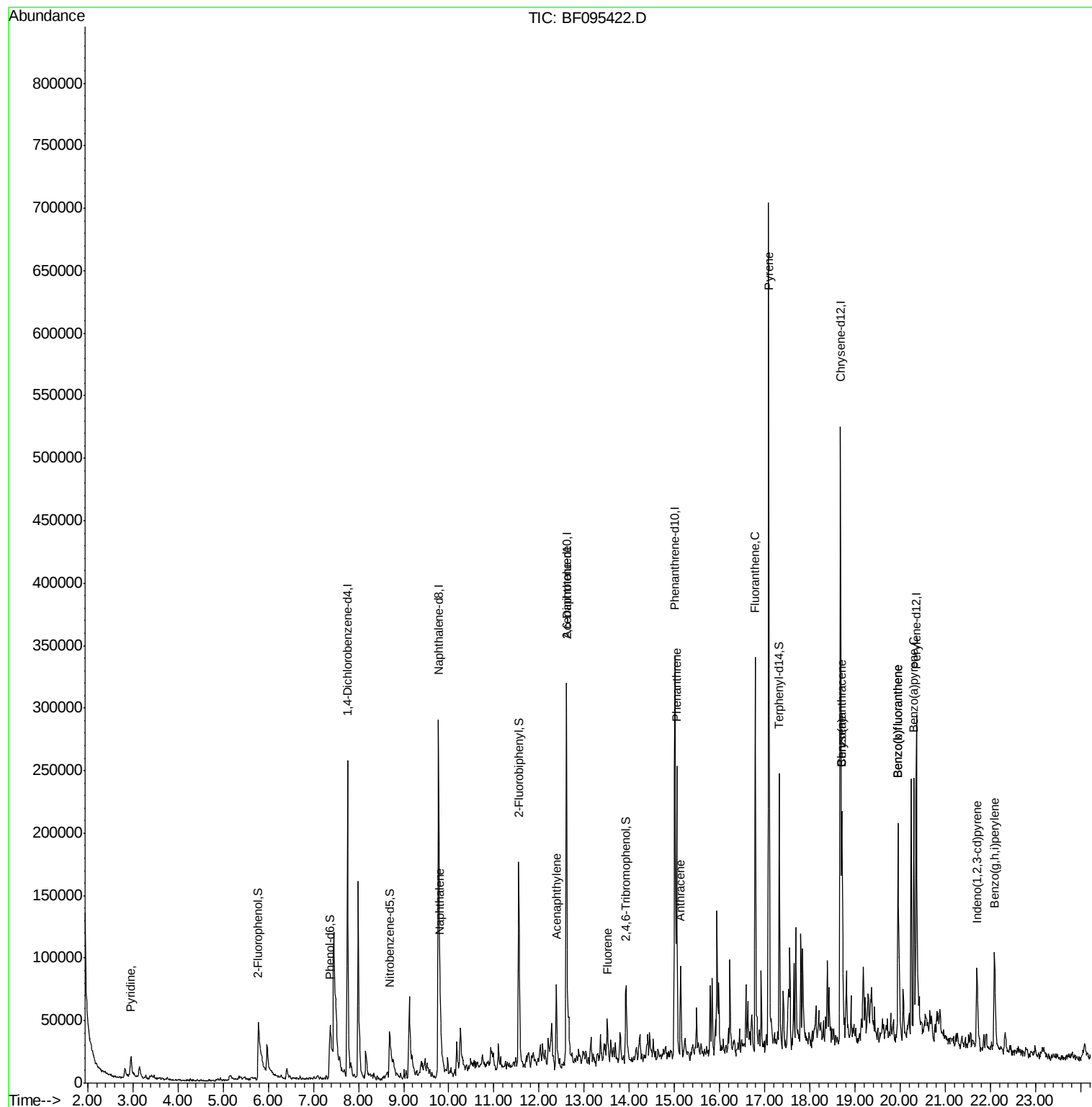
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	2.96	79	15875	3.12	ng	# 32
31) Naphthalene	9.81	128	35322	2.50	ng	98
48) Acenaphthylene	12.38	152	51853	4.45	ng	97
50) 2,6-Dinitrotoluene	12.60	165	12828	6.99	ng	# 31
57) Fluorene	13.51	166	18554	2.21	ng	# 94
70) Phenanthrene	15.05	178	150780	14.09	ng	97
71) Anthracene	15.14	178	49234	4.51	ng	97
74) Fluoranthene	16.79	202	172296	15.70	ng	99
77) Pyrene	17.09	202	365565	28.39	ng	98
80) Benzo(a)anthracene	18.71	228	99735	9.95	ng	96
82) Chrysene	18.71	228	99735	10.29	ng	97
85) Indeno(1,2,3-cd)pyrene	21.70	276	44796	5.69	ng	94
87) Benzo(b)fluoranthene	19.95	252	124586	17.58	ng	98
88) Benzo(k)fluoranthene	19.95	252	124586	18.22	ng	98
89) Benzo(a)pyrene	20.31	252	98802	15.11	ng	99
91) Benzo(g,h,i)perylene	22.09	276	71421	13.48	ng	99

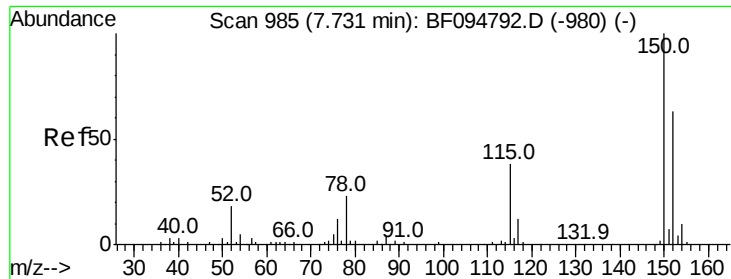
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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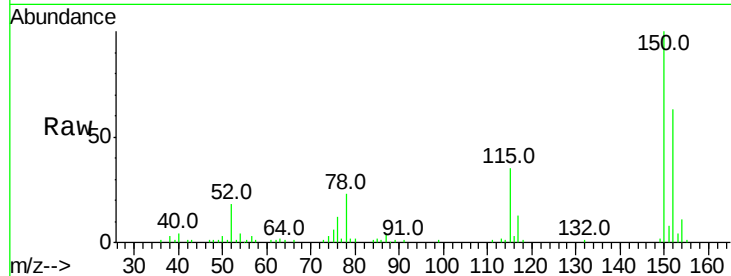


#1

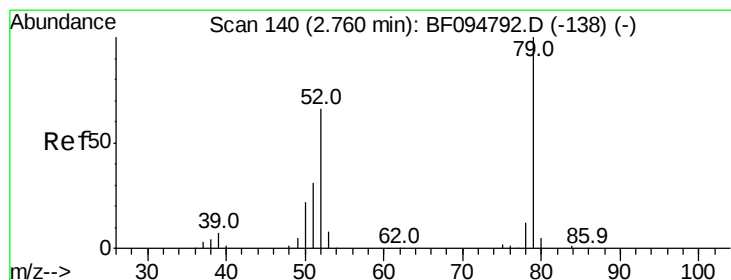
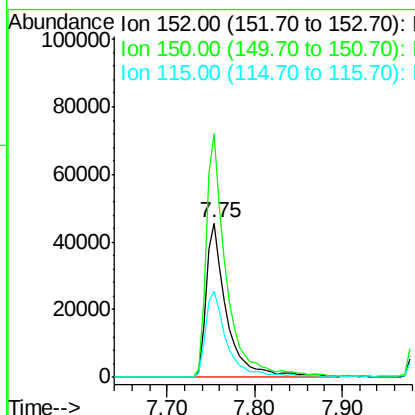
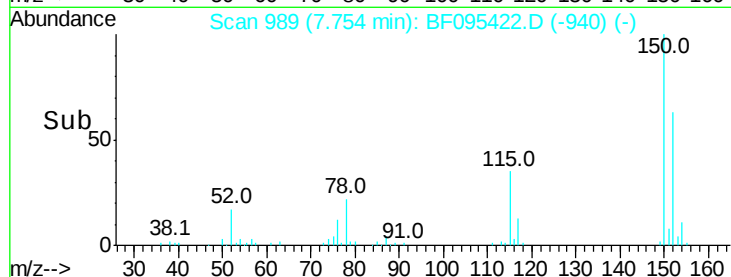
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74748
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 55.6 52.2 78.2



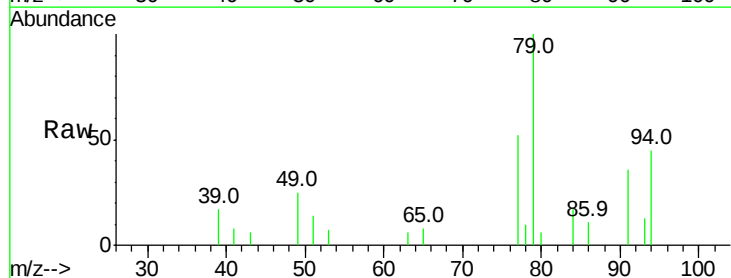
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



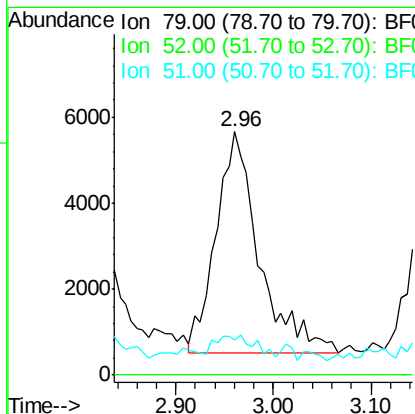
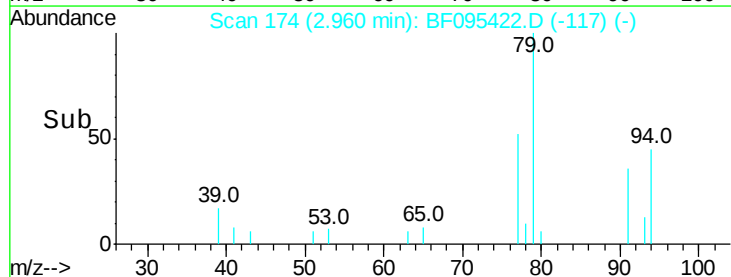
#3

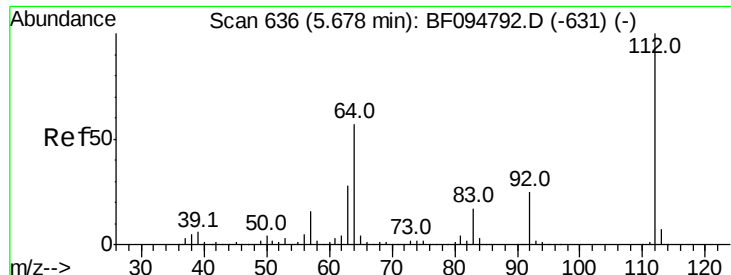
Pyridine
Concen: 3.12 ng
RT: 2.96 min Scan# 174
Delta R.T. 0.04 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Tgt Ion: 79 Resp: 15875
Ion Ratio Lower Upper
79 100
52 0.0 54.8 82.2#
51 14.3 27.0 40.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 16.59 ng

RT: 5.78 min Scan# 653

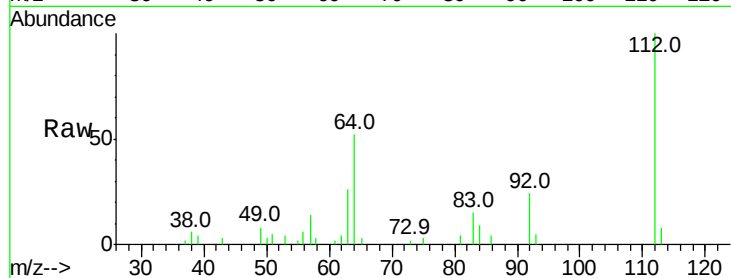
Delta R.T. 0.04 min

Lab File: BF095422.D

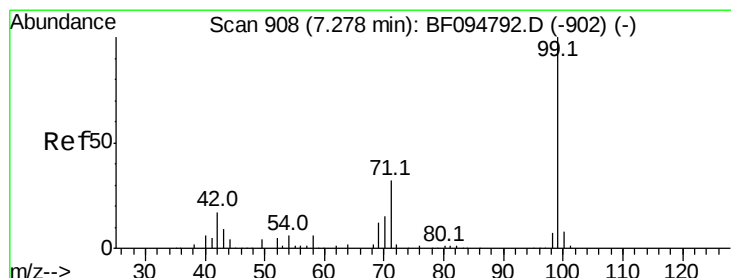
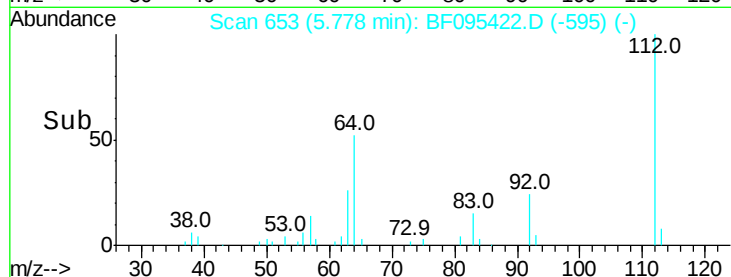
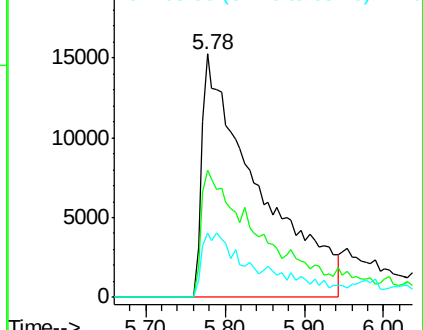
Acq: 25 May 2017 12:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	74367
Ion	Ratio	Lower	Upper
112	100		
64	52.1	46.0	69.0
63	26.3	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E



#7

Phenol-d6

Concen: 17.38 ng

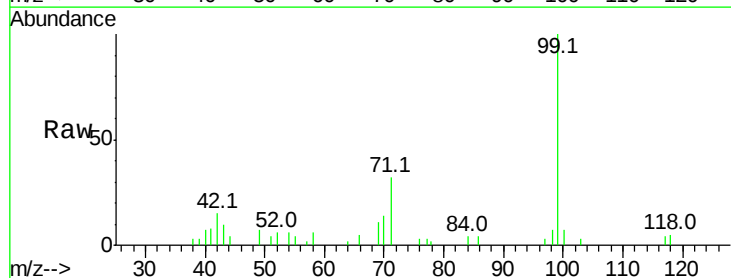
RT: 7.36 min Scan# 922

Delta R.T. 0.05 min

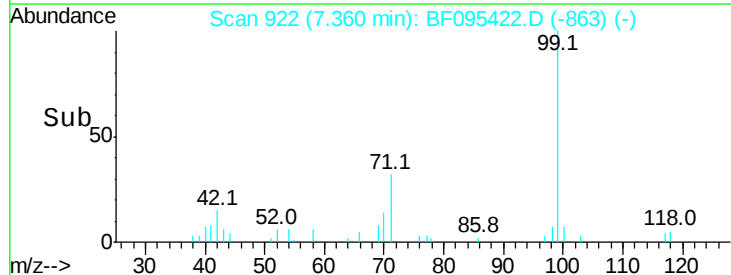
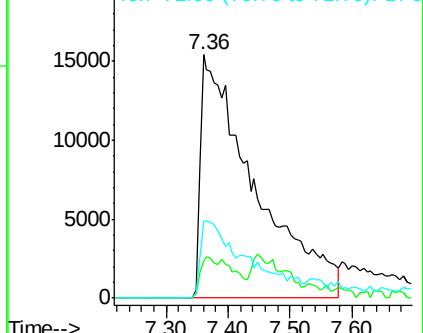
Lab File: BF095422.D

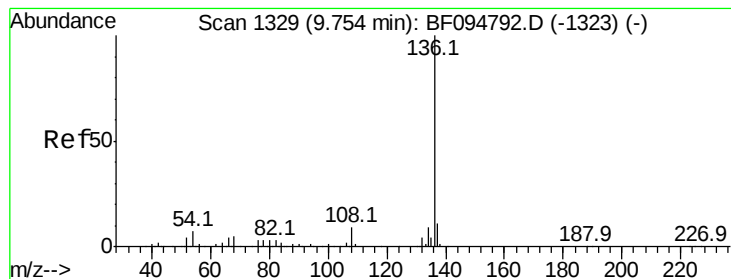
Acq: 25 May 2017 12:33

Tgt Ion:	99	Resp:	93487
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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 281453

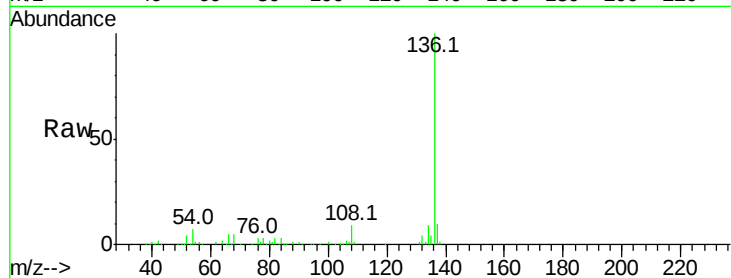
Ion Ratio Lower Upper

136 100

137 9.8 8.5 12.7

54 6.6 4.9 7.3

68 5.4 4.1 6.1

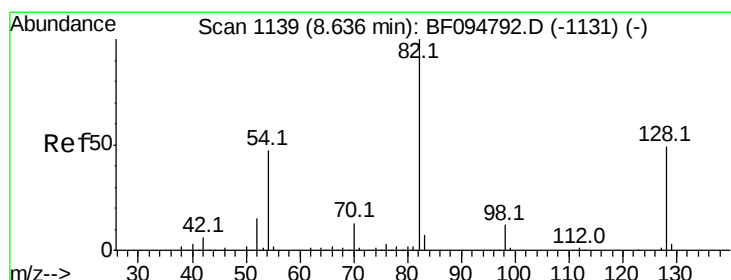
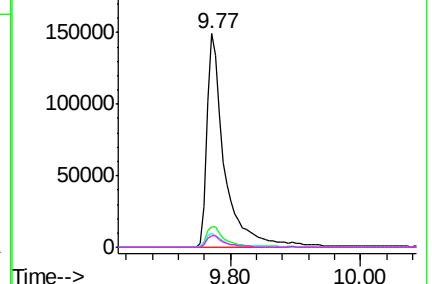
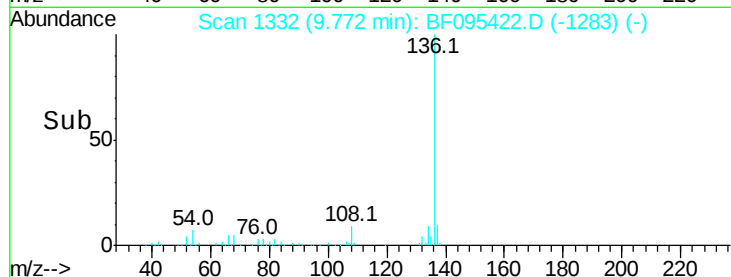


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.94 ng

RT: 8.69 min Scan# 1148

Delta R.T. 0.02 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

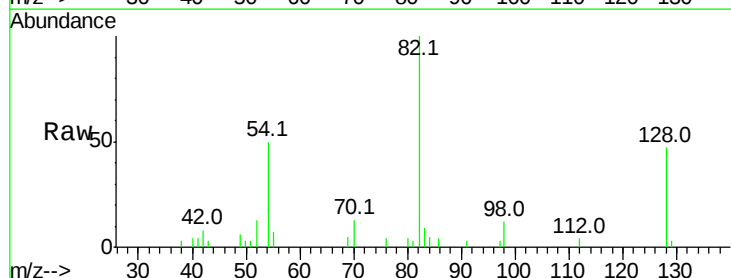
Tgt Ion: 82 Resp: 48851

Ion Ratio Lower Upper

82 100

128 47.1 34.0 51.0

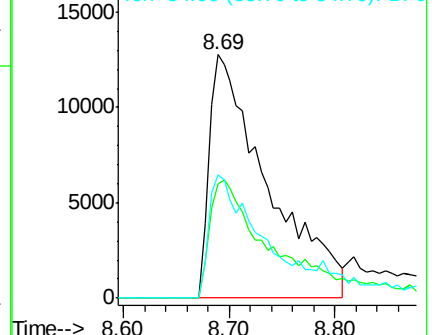
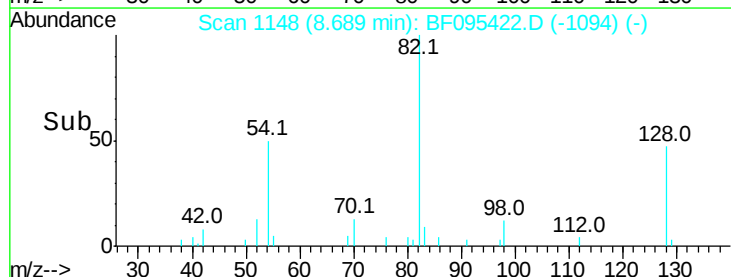
54 50.5 42.2 63.2

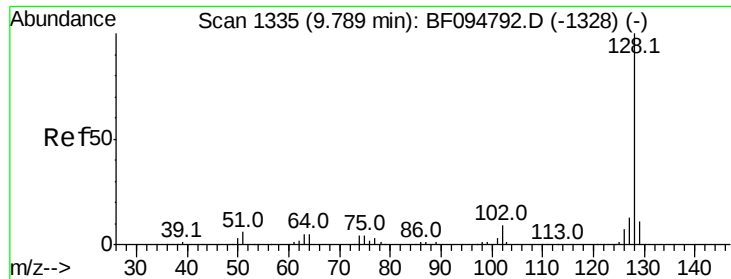


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

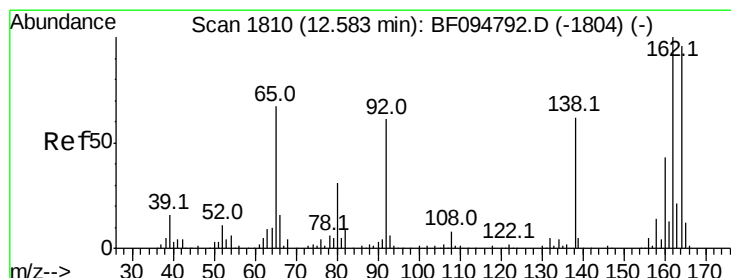
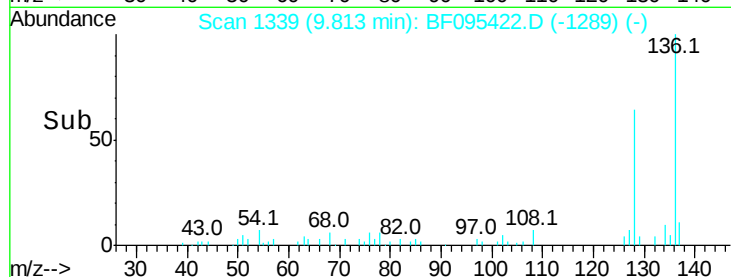
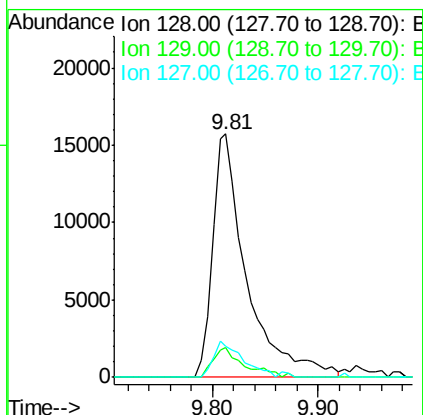
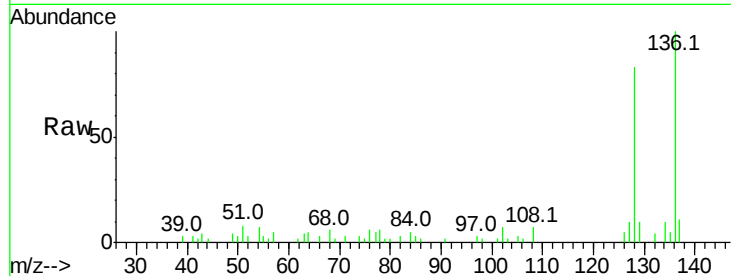




#31
Naphthalene
Concen: 2.50 ng
RT: 9.81 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

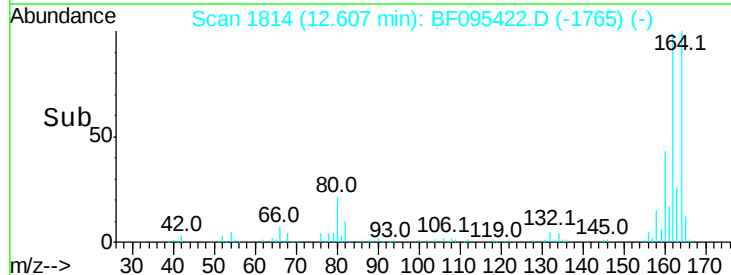
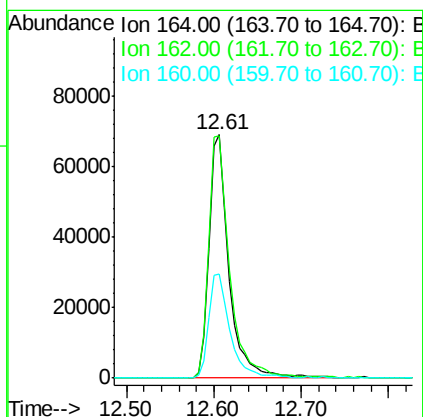
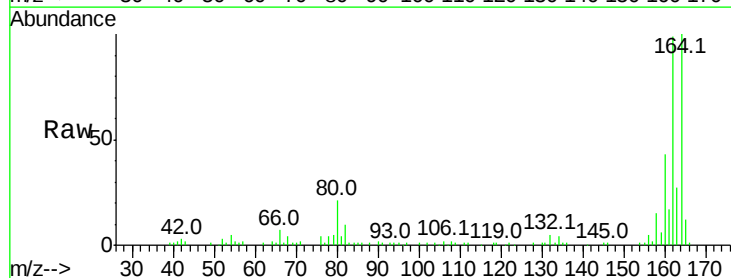
Instrument :
BNA_F
ClientSampleId :

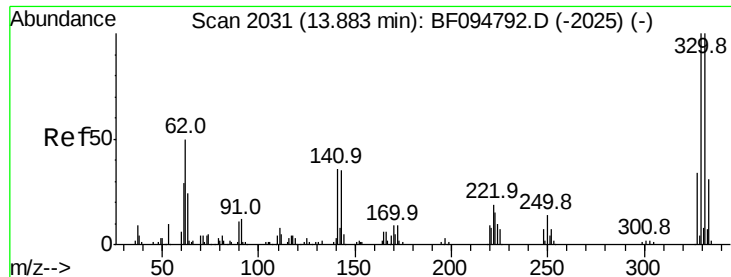
Tot Ion:128 Resp: 35322
Ion Ratio Lower Upper
128 100
129 12.2 9.0 13.6
127 12.6 10.8 16.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Tgt Ion:164 Resp: 109538
Ion Ratio Lower Upper
164 100
162 99.4 82.6 123.8
160 42.5 36.2 54.2

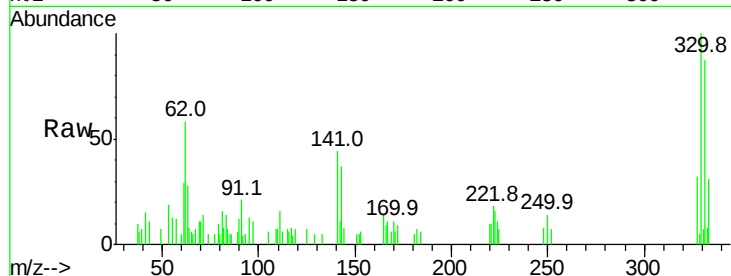




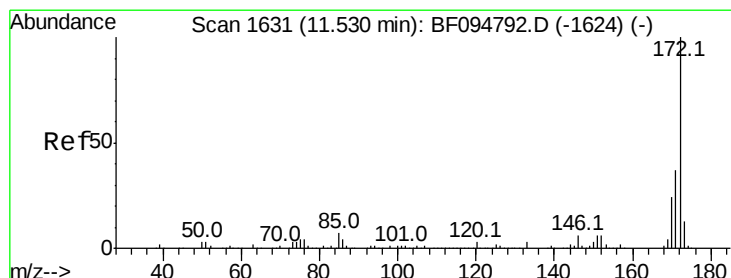
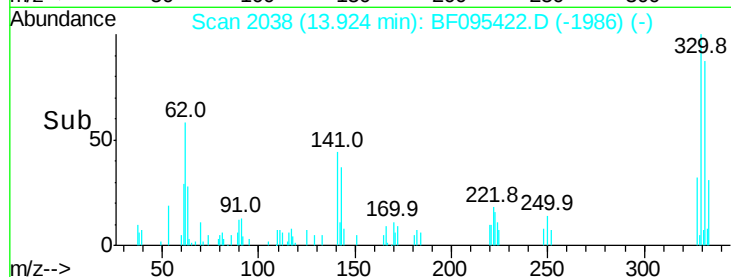
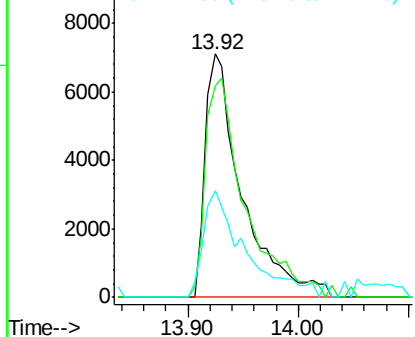
#41
 2,4,6-Tribromophenol
 Concen: 18.19 ng
 RT: 13.92 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 16320
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 115.0
 141 50.2 31.4 47.2#

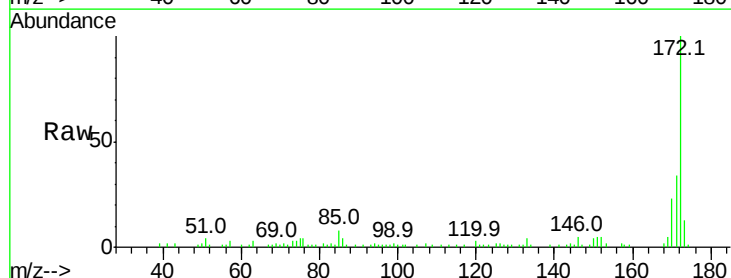


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

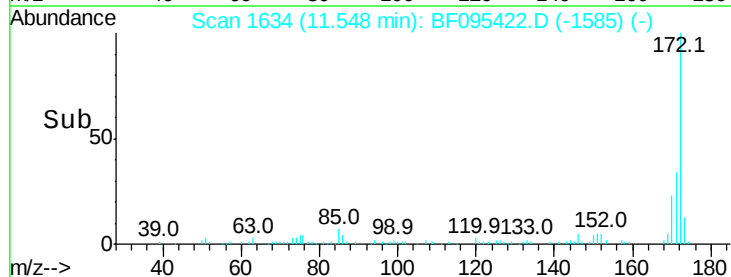
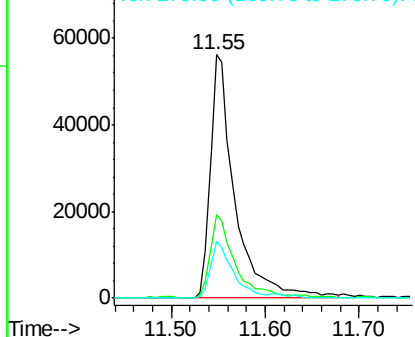


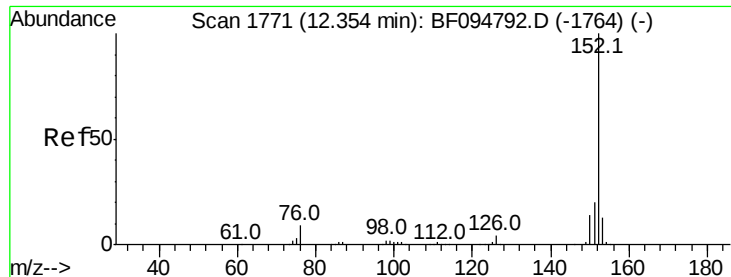
#44
 2-Fluorobiphenyl
 Concen: 13.56 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

Tgt Ion:172 Resp: 103233
 Ion Ratio Lower Upper
 172 100
 171 34.3 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





#48

Acenaphthylene

Concen: 4.45 ng

RT: 12.38 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

ClientSampleId :

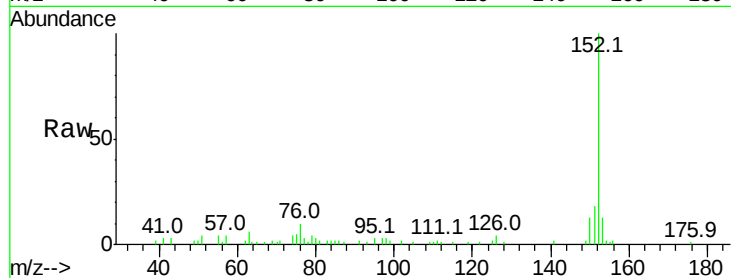
Tot Ion:152 Resp: 51853

Ion Ratio Lower Upper

152 100

151 18.5 16.8 25.2

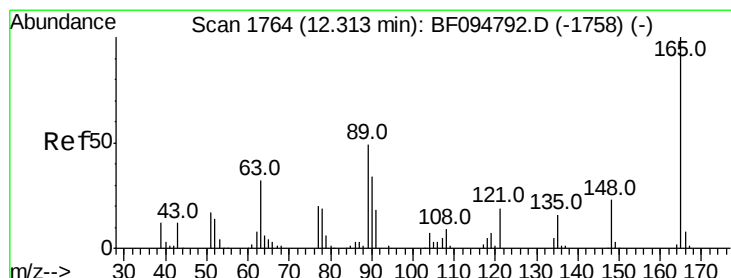
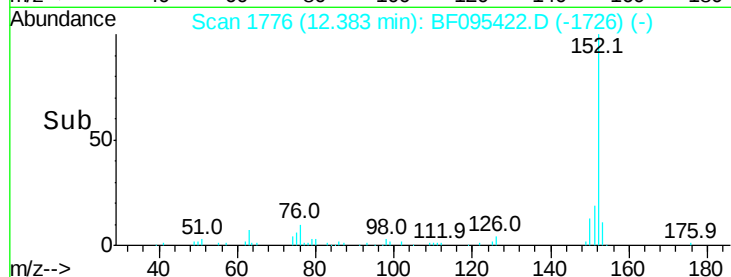
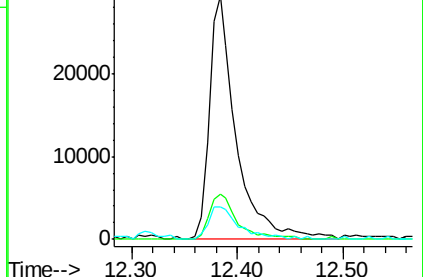
153 13.4 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 6.99 ng

RT: 12.60 min Scan# 1813

Delta R.T. 0.24 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

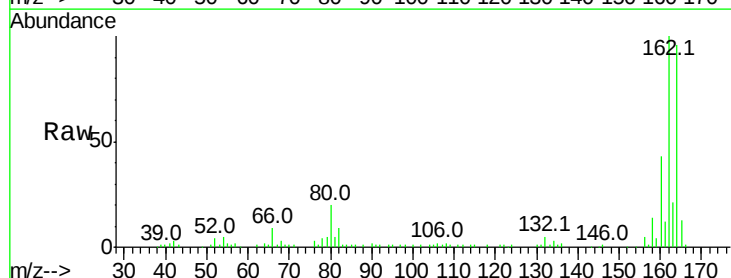
Tgt Ion:165 Resp: 12828

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

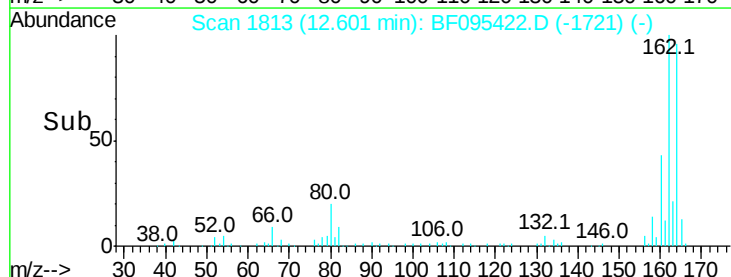
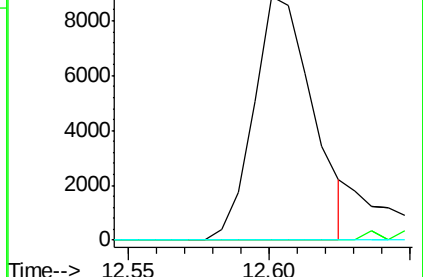
89 0.0 37.1 55.7#

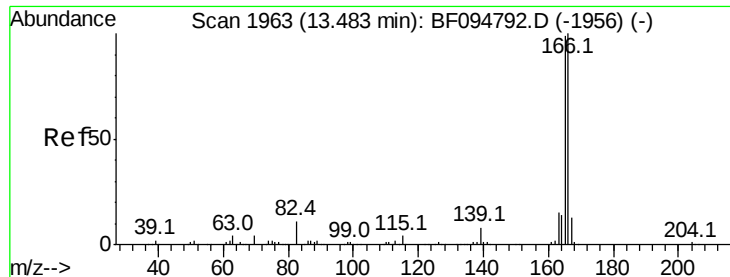


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

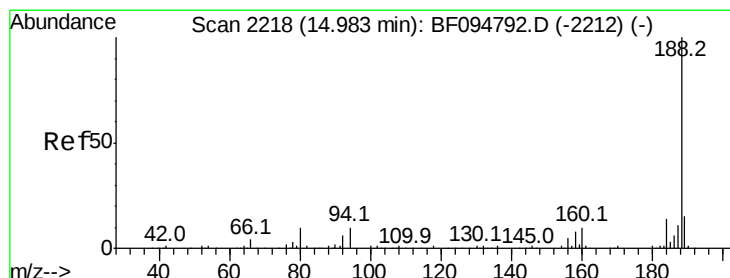
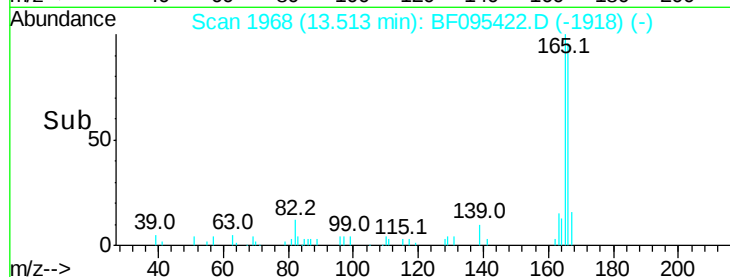
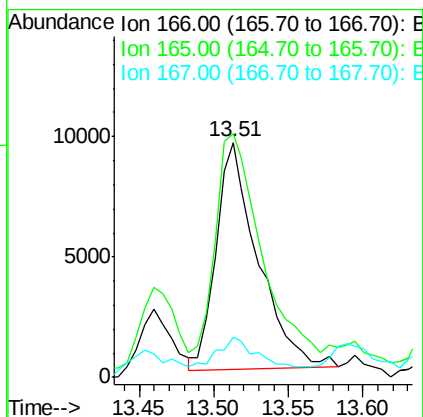
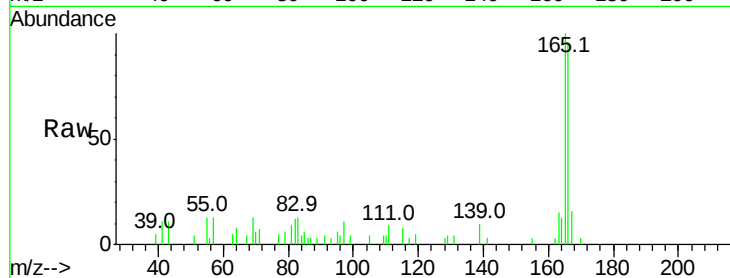




#57
Fluorene
 Concen: 2.21 ng
 RT: 13.51 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

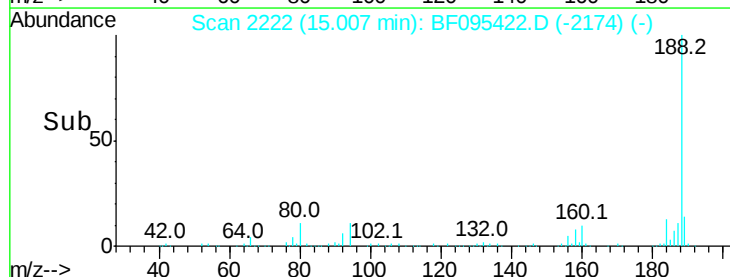
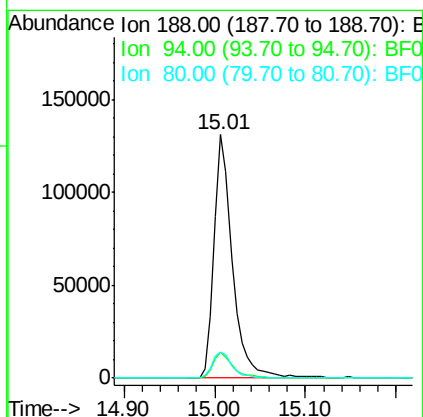
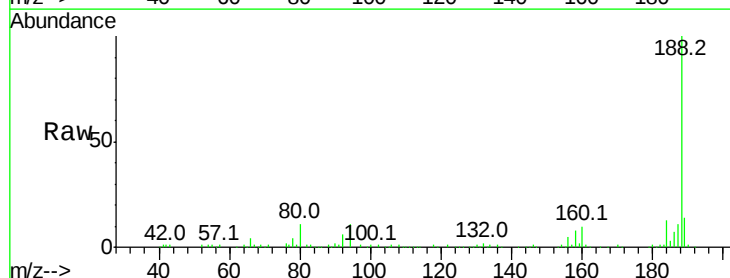
Instrument :
 BNA_F
 ClientSampled :

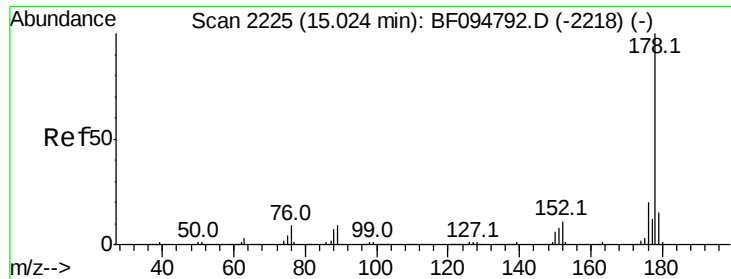
Tot Ion:166 Resp: 18554
 Ion Ratio Lower Upper
 166 100
 165 103.7 78.8 118.2
 167 17.1 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

Tgt Ion:188 Resp: 186208
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.4 14.2
 80 10.6 10.2 15.2

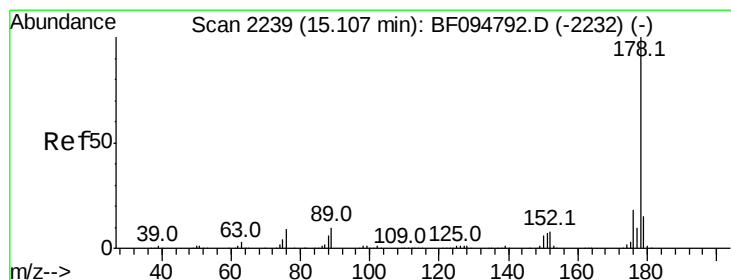
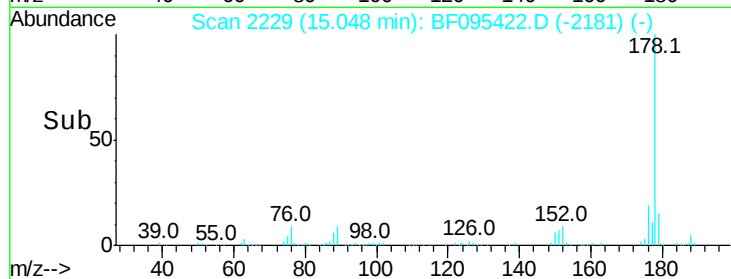
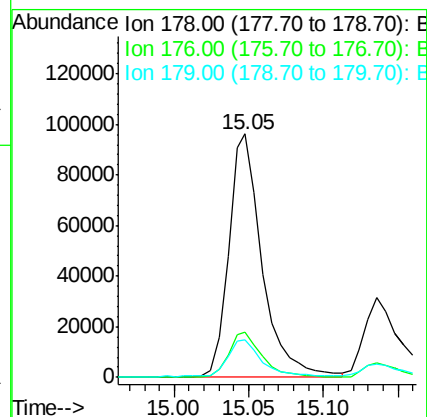
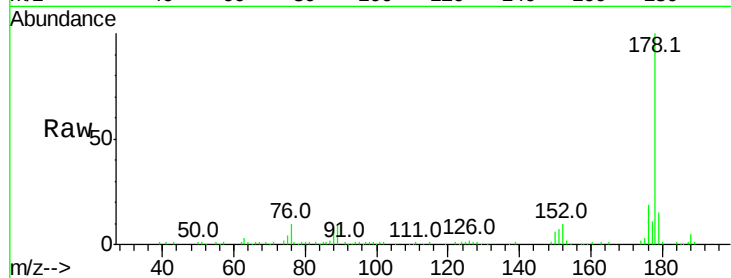




#70
Phenanthrene
Concen: 14.09 ng
RT: 15.05 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

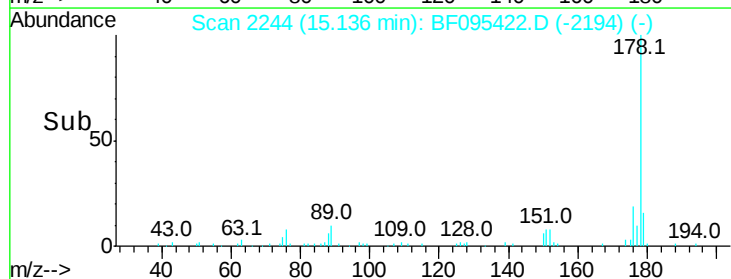
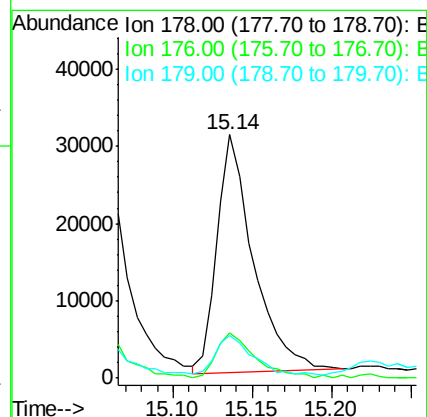
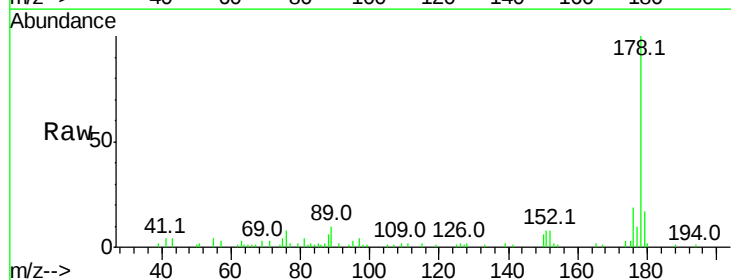
Instrument :
BNA_F
ClientSampleId :

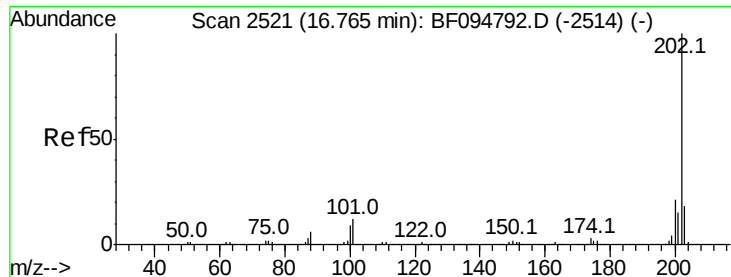
Tot Ion:178 Resp: 150780
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.3 12.6 19.0



#71
Anthracene
Concen: 4.51 ng
RT: 15.14 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF095422.D
Acq: 25 May 2017 12:33

Tgt Ion:178 Resp: 49234
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 17.3 12.7 19.1

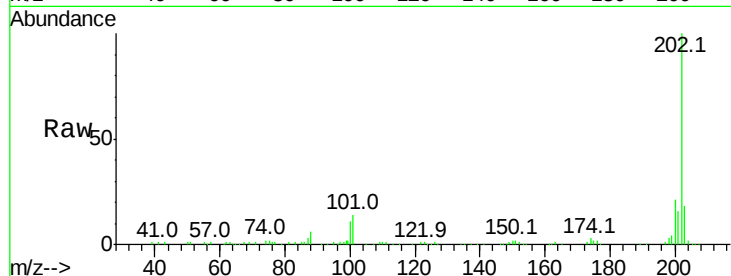




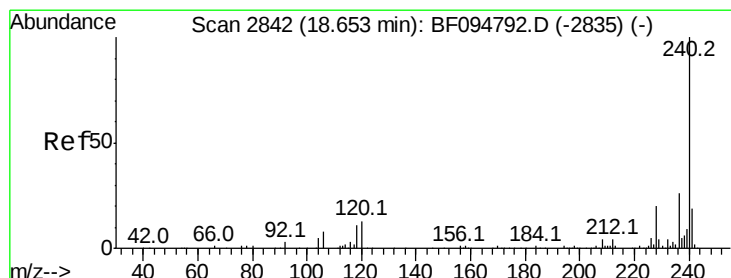
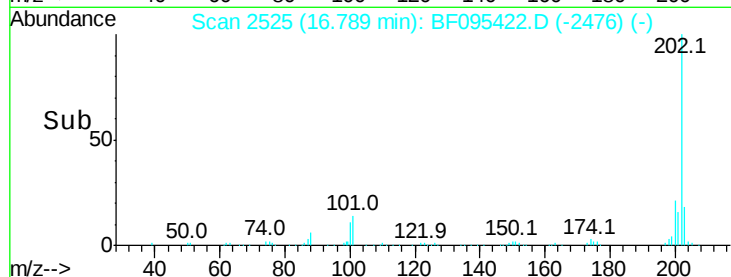
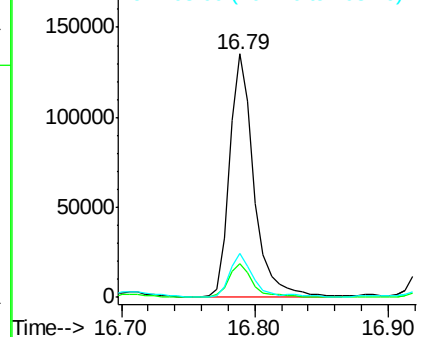
#74
 Fluoranthene
 Concen: 15.70 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.9	0.0	38.1

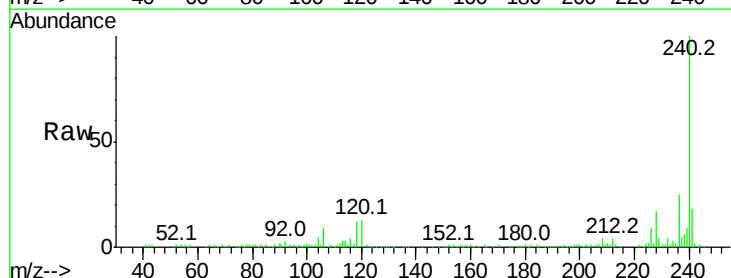


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

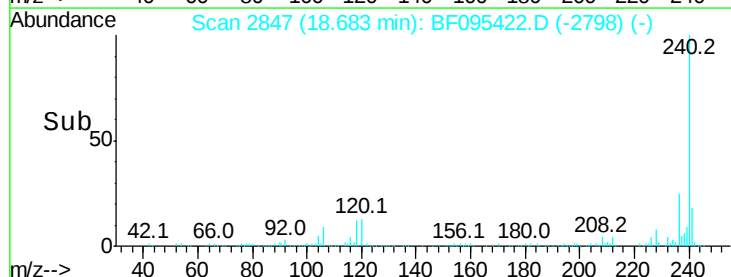
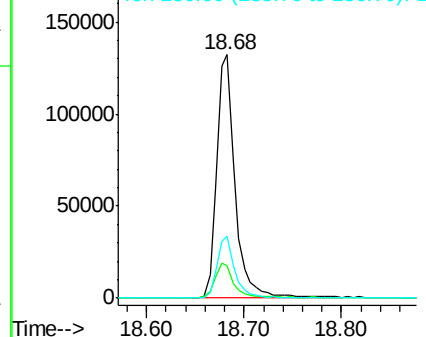


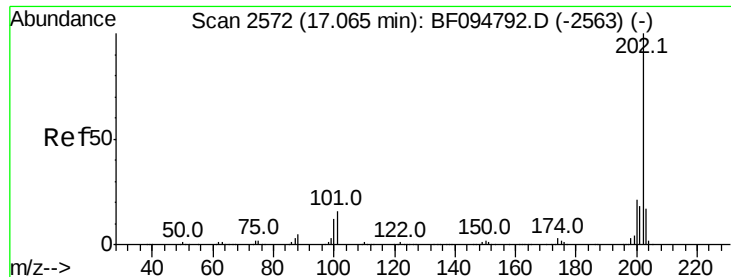
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095422.D
 Acq: 25 May 2017 12:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	5.8	8.8#
236	25.3	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: 28.39 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

ClientSampleId :

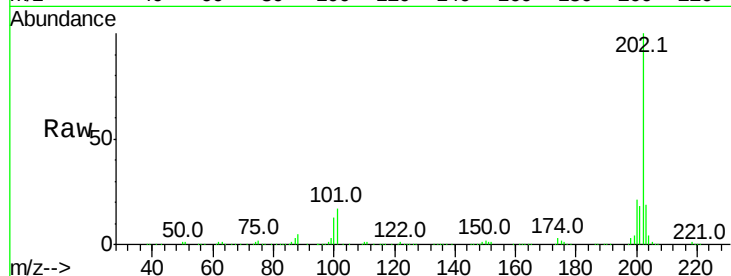
Tot Ion:202 Resp: 365565

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

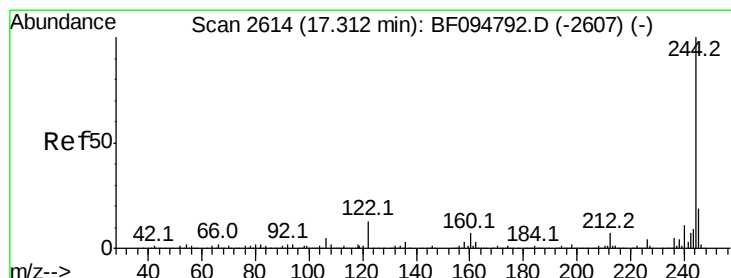
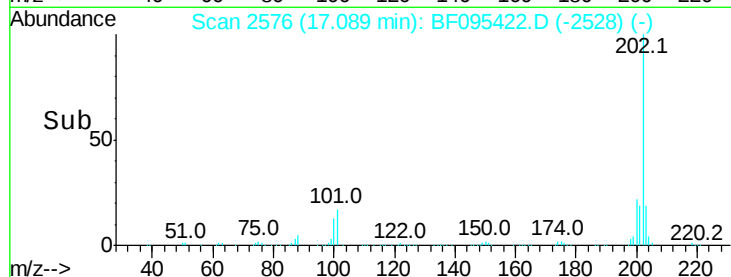
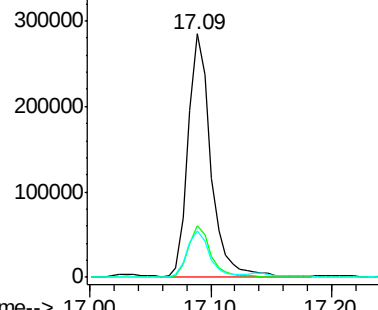
203 19.2 14.4 21.6



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: 10.23 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

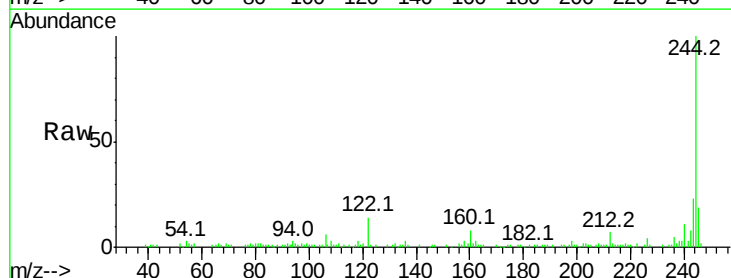
Tgt Ion:244 Resp: 79977

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

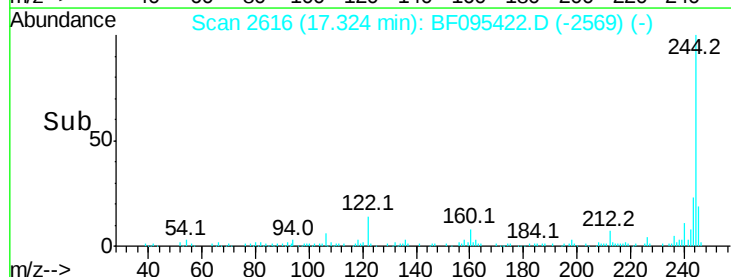
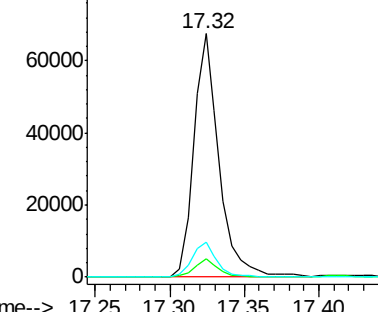
122 14.2 10.3 15.5

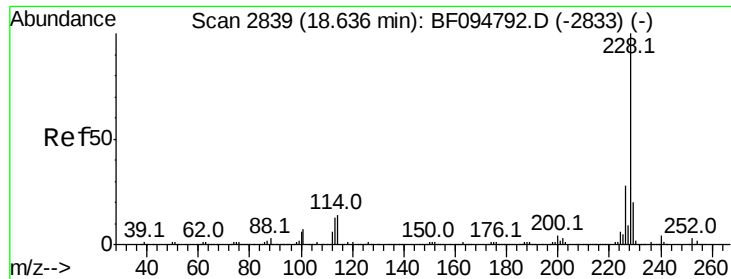


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.95 ng

RT: 18.71 min Scan# 2852

Delta R.T. 0.03 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

ClientSampled :

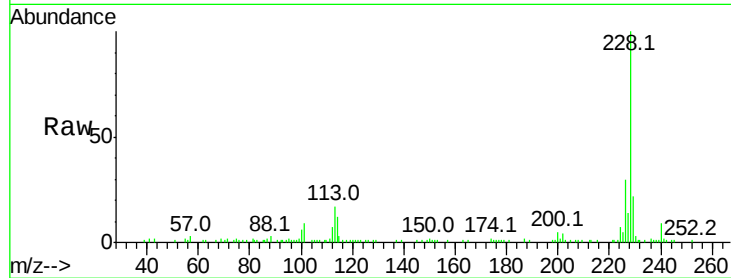
Tot Ion:228 Resp: 99735

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

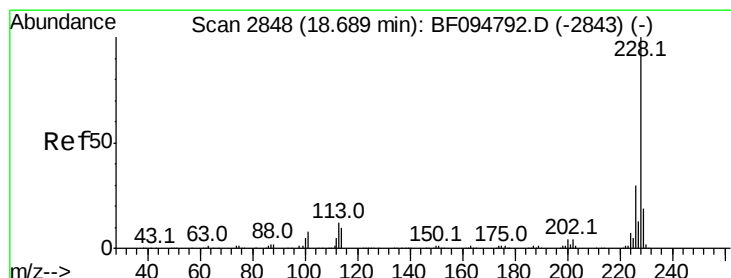
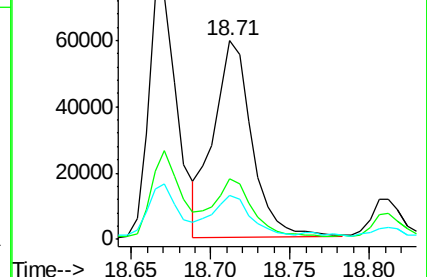
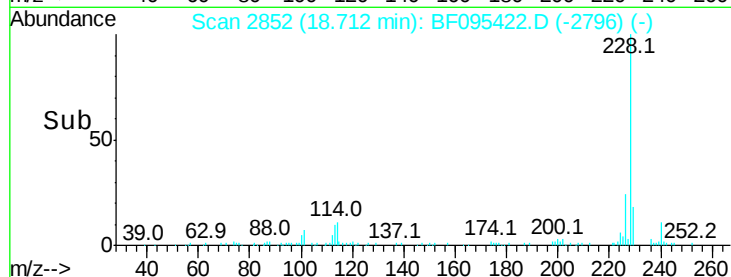
229 22.1 16.3 24.5



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: 10.29 ng

RT: 18.71 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

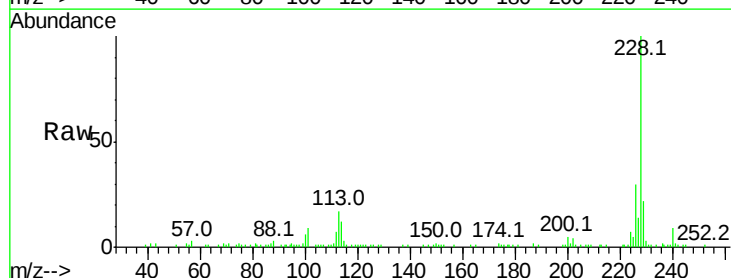
Tgt Ion:228 Resp: 99735

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

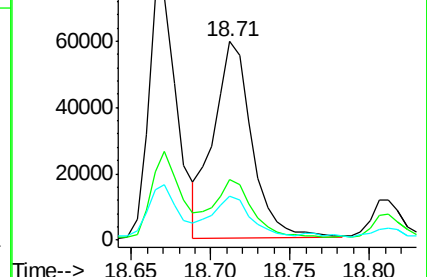
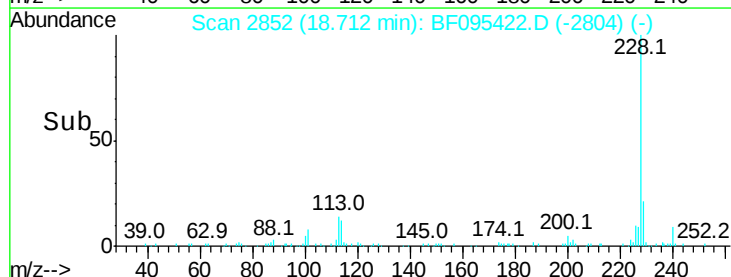
229 22.1 15.8 23.6

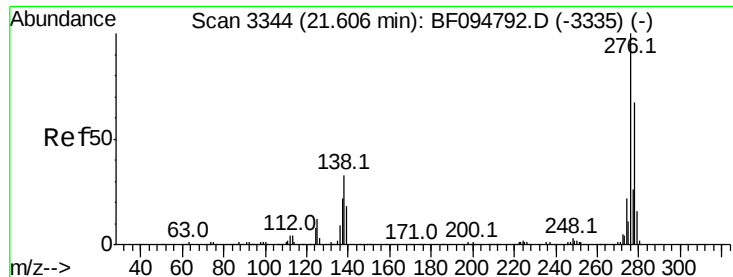


Abundance Ion 228.00 (227.70 to 228.70): E

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: 5.69 ng

RT: 21.70 min Scan# 3360

Delta R.T. 0.00 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

ClientSampleId :

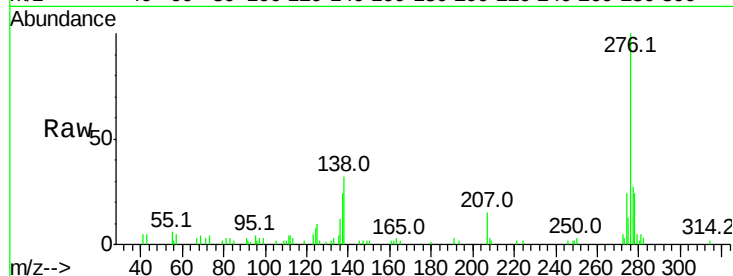
Tot Ion:276 Resp: 44796

Ion Ratio Lower Upper

276 100

138 38.3 27.8 41.6

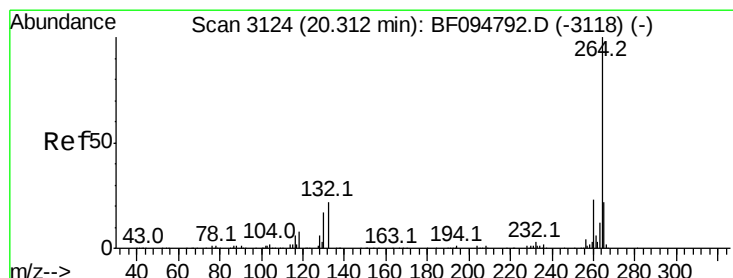
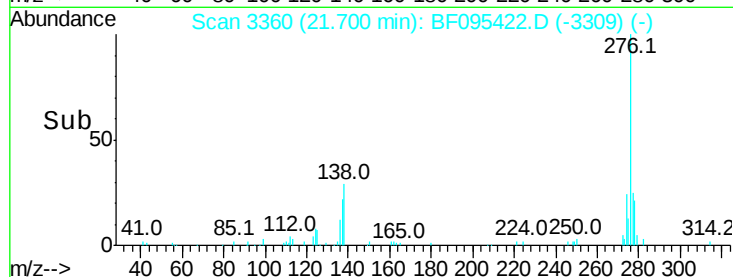
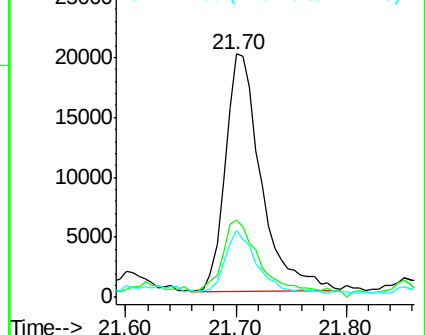
277 22.2 20.2 30.4



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: 20.36 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

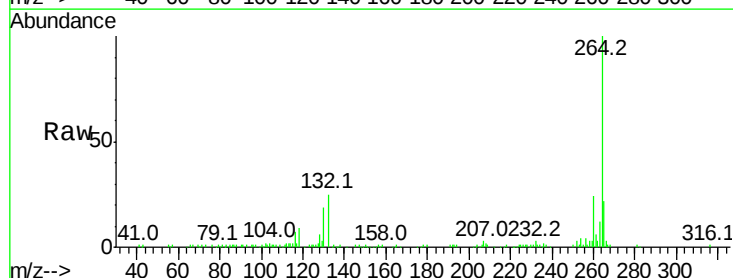
Tgt Ion:264 Resp: 114692

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

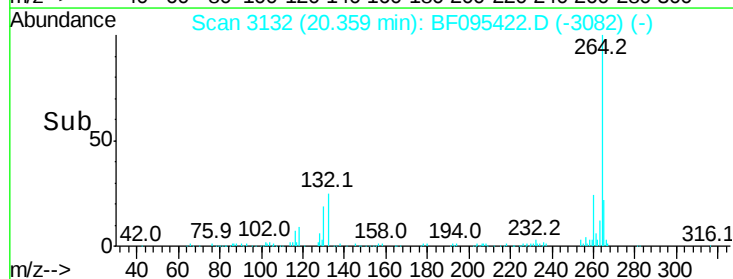
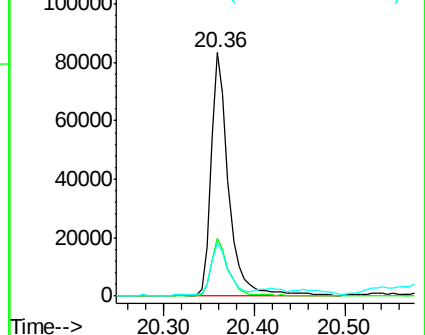
265 21.7 17.2 25.8

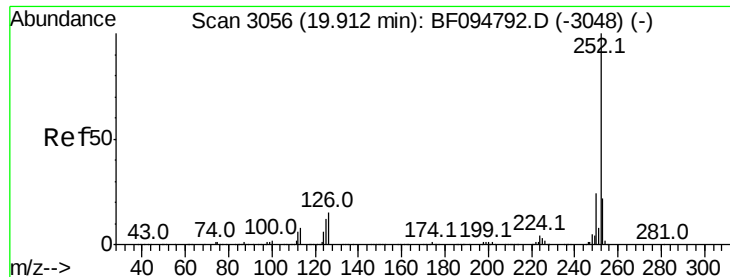


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 17.58 ng

RT: 19.95 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BF095422.D

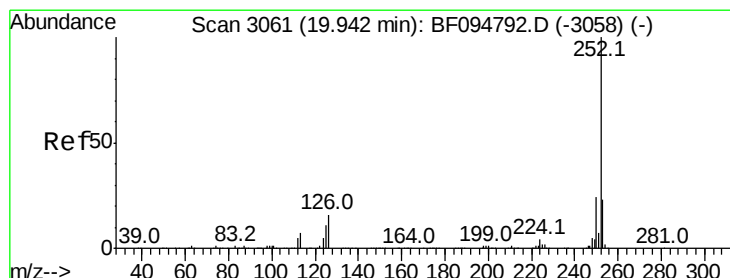
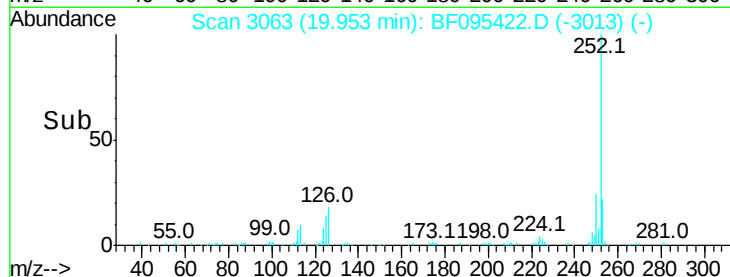
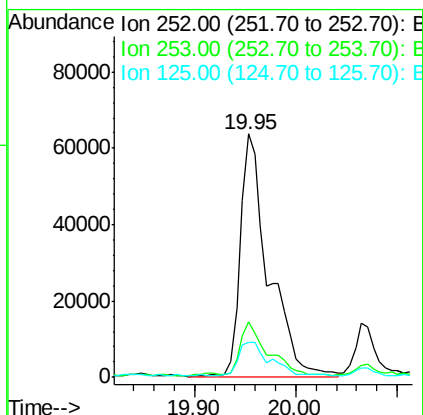
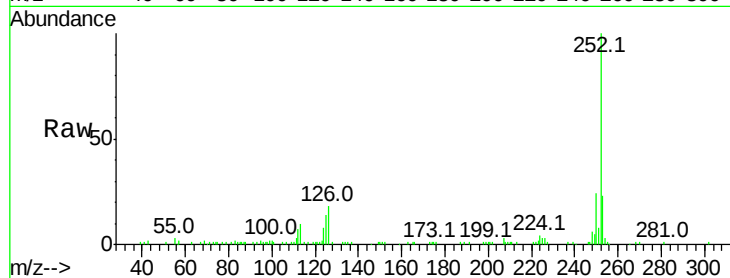
Acq: 25 May 2017 12:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	124586
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	14.2	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 18.22 ng

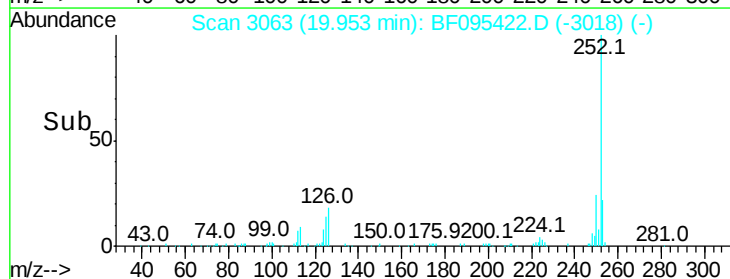
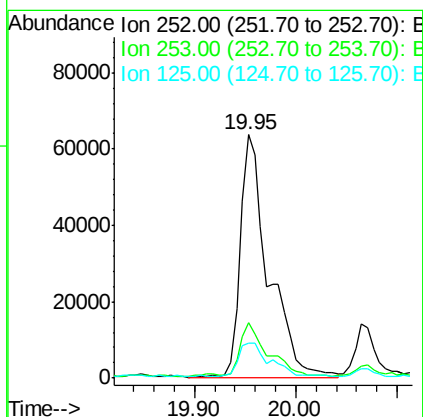
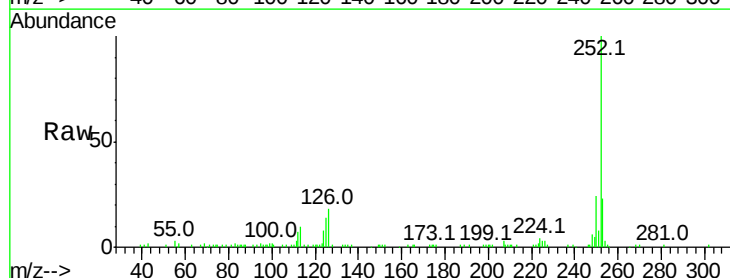
RT: 19.95 min Scan# 3063

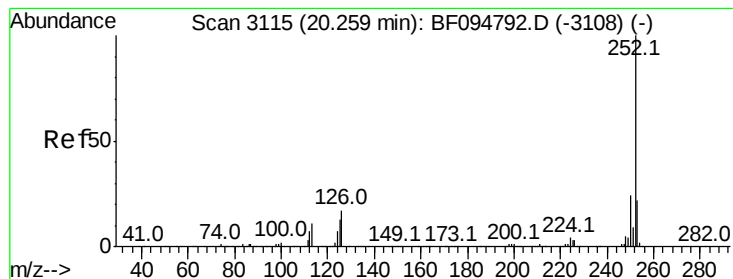
Delta R.T. -0.04 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Tgt Ion:	252	Resp:	124586
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	14.2	13.1	19.7





#89

Benzo(a)pyrene

Concen: 15.11 ng

RT: 20.31 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

Instrument :

BNA_F

ClientSampleId :

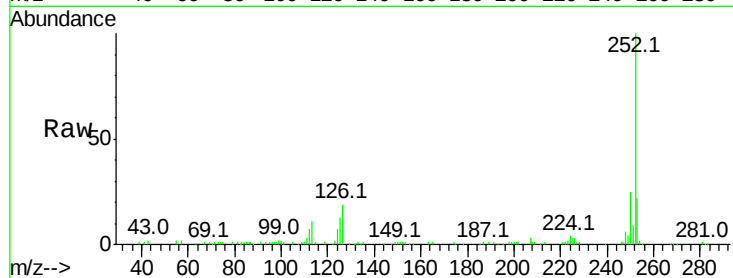
Tot Ion:252 Resp: 98802

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

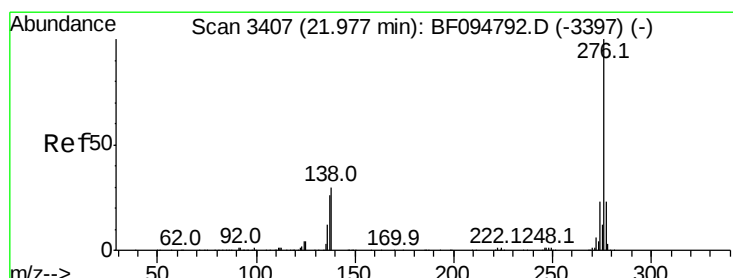
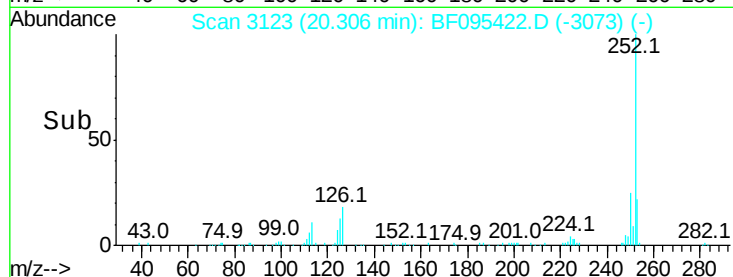
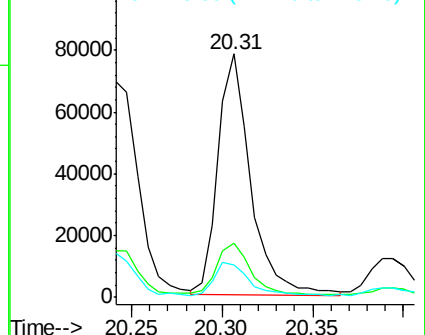
125 13.3 11.0 16.4



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: 13.48 ng

RT: 22.09 min Scan# 3426

Delta R.T. 0.01 min

Lab File: BF095422.D

Acq: 25 May 2017 12:33

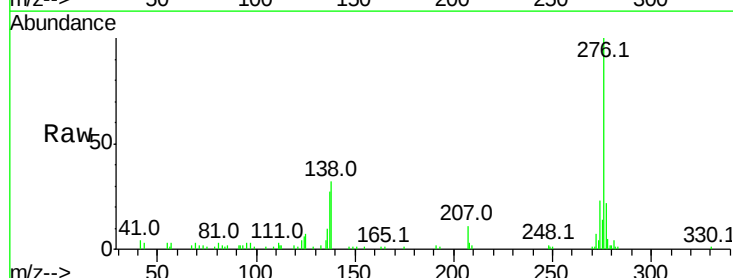
Tgt Ion:276 Resp: 71421

Ion Ratio Lower Upper

276 100

277 22.1 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

