

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095514.D
 Acq On : 28 May 2017 00:29
 Operator : SJ/MA
 Sample : I3244-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:18:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

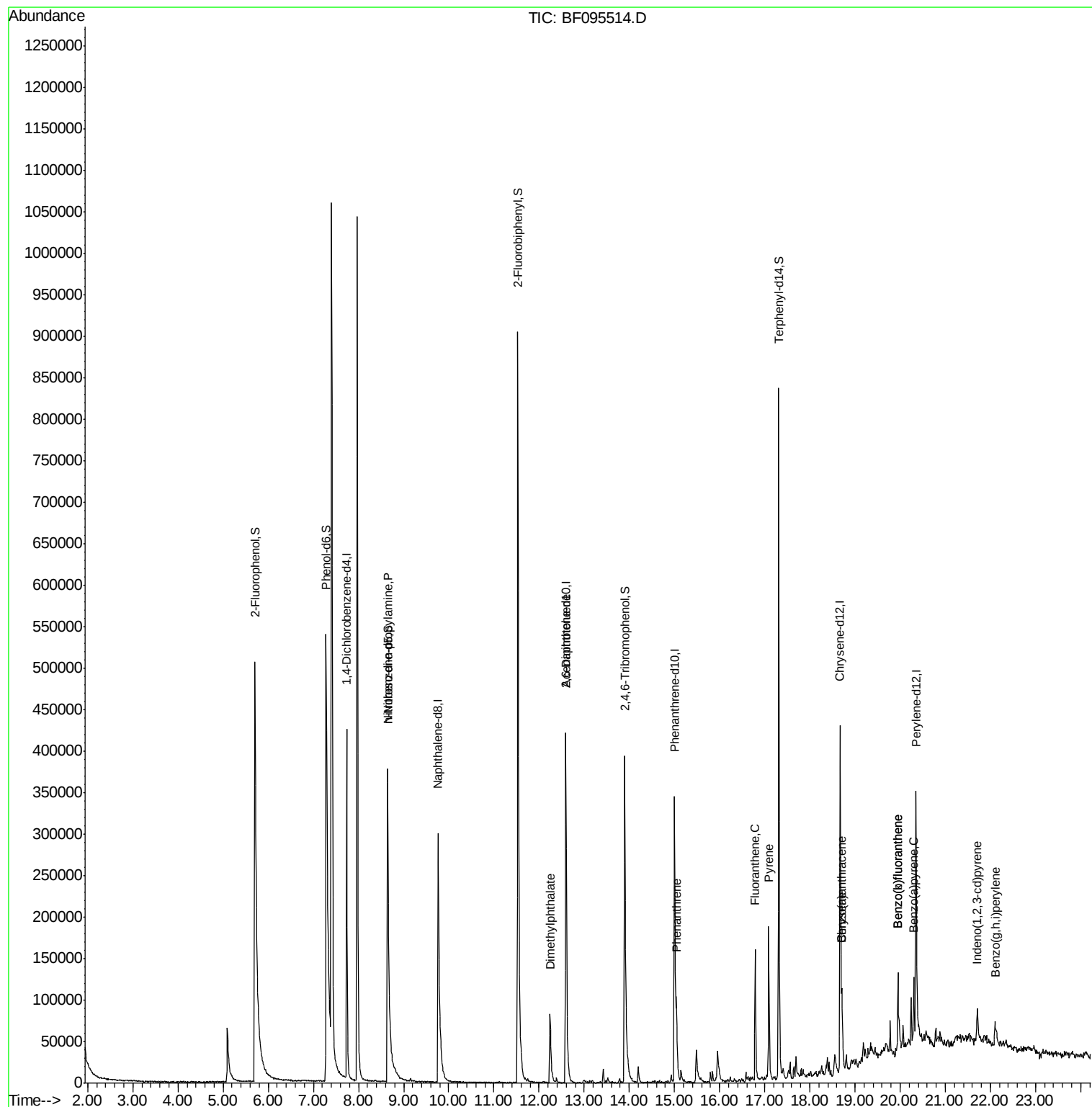
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	97467	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	403297	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	166560	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	247688	20.00	ng	0.00
75) Chrysene-d12	18.67	240	191422	20.00	ng	0.00
86) Perylene-d12	20.35	264	161008	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	512313	87.63	ng	0.00
7) Phenol-d6	7.28	99	645326	92.00	ng	-0.01
23) Nitrobenzene-d5	8.65	82	367974	57.54	ng	0.00
41) 2,4,6-Tribromophenol	13.90	330	106020	77.72	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	626602	54.15	ng	0.00
78) Terphenyl-d14	17.31	244	346321	39.85	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.65	70	39256	8.27	ng	# 78
49) Dimethylphthalate	12.25	163	90635	6.63	ng	99
50) 2,6-Dinitrotoluene	12.59	165	18154	6.51	ng	# 31
70) Phenanthrene	15.04	178	60882	4.28	ng	98
74) Fluoranthene	16.79	202	102876	7.05	ng	98
77) Pyrene	17.09	202	95675	6.68	ng	96
80) Benzo(a)anthracene	18.71	228	44350	3.98	ng	97
82) Chrysene	18.71	228	44350	4.12	ng	94
85) Indeno(1,2,3-cd)pyrene	21.72	276	19923	2.28	ng	# 81
87) Benzo(b)fluoranthene	19.95	252	70067	7.04	ng	# 95
88) Benzo(k)fluoranthene	19.95	252	70067	7.30	ng	98
89) Benzo(a)pyrene	20.30	252	34981	3.81	ng	# 90
91) Benzo(a,h,i)perylene	22.11	276	21117	2.84	ng	# 87

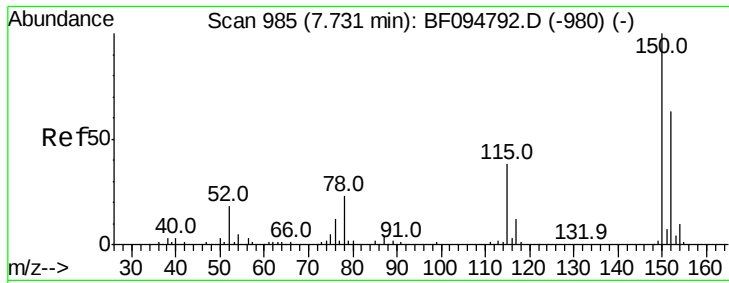
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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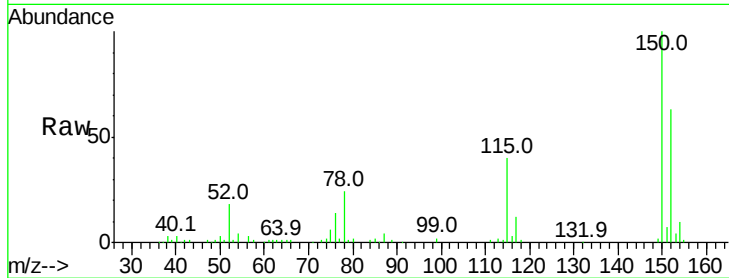


#1

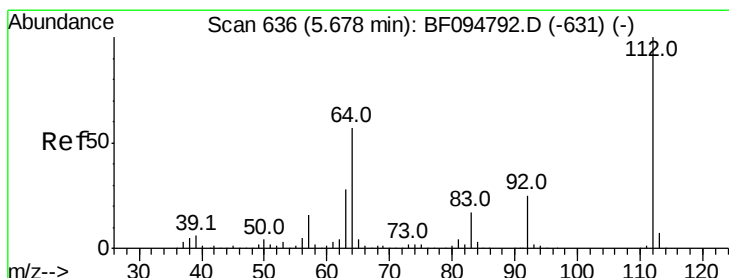
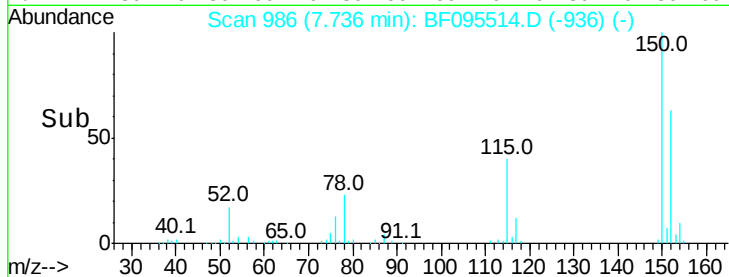
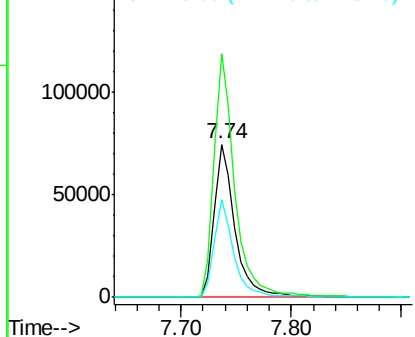
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97467
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 64.0 52.2 78.2



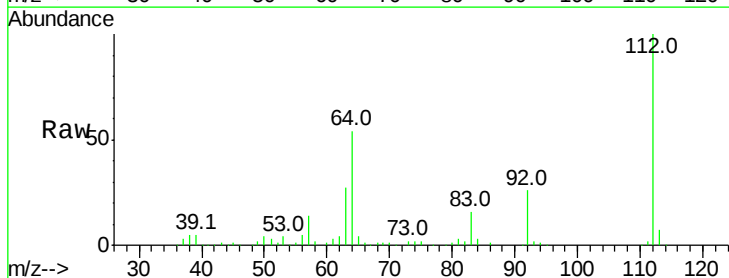
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



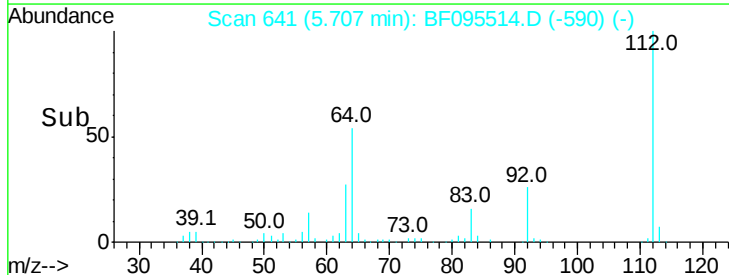
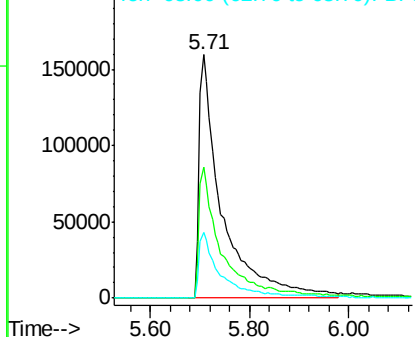
#5

2-Fluorophenol
Concen: 87.63 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

Tgt Ion:112 Resp: 512313
Ion Ratio Lower Upper
112 100
64 53.8 46.0 69.0
63 26.9 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: 92.00 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

Instrument :

BNA_F

ClientSampled :

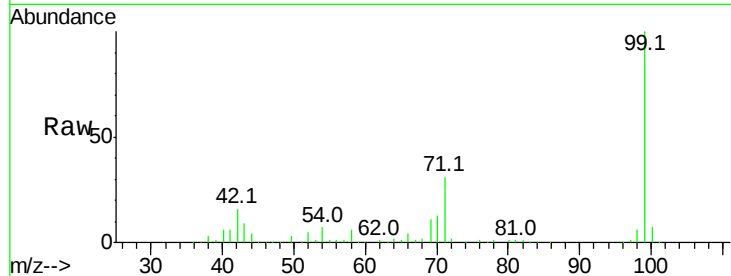
Tot Ion: 99 Resp: 645326

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

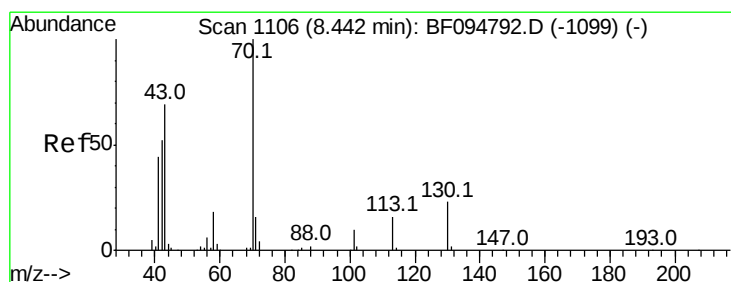
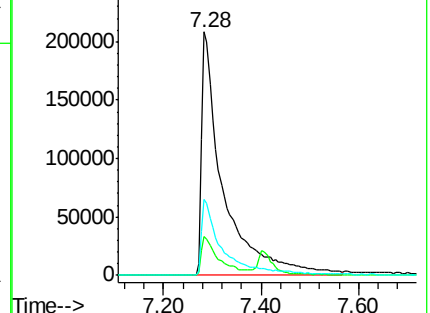
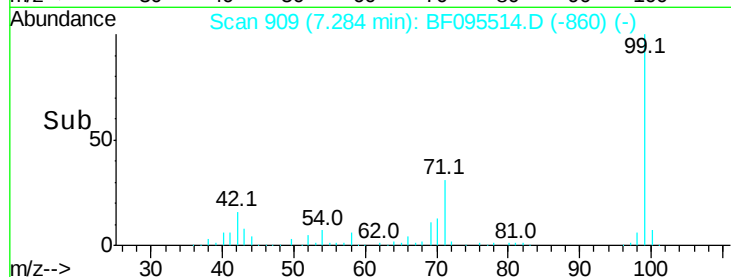
71 31.3 24.5 36.7



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: 8.27 ng

RT: 8.65 min Scan# 1141

Delta R.T. 0.19 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

Tgt Ion: 70 Resp: 39256

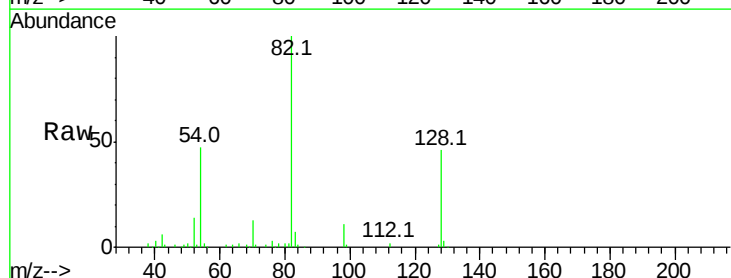
Ion Ratio Lower Upper

70 100

42 46.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

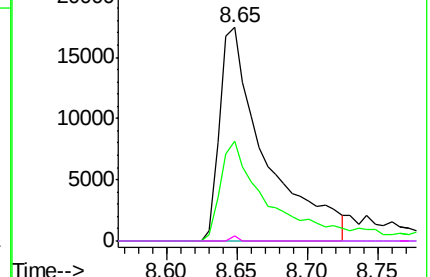
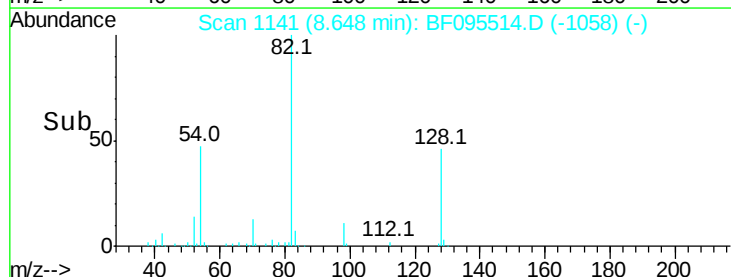


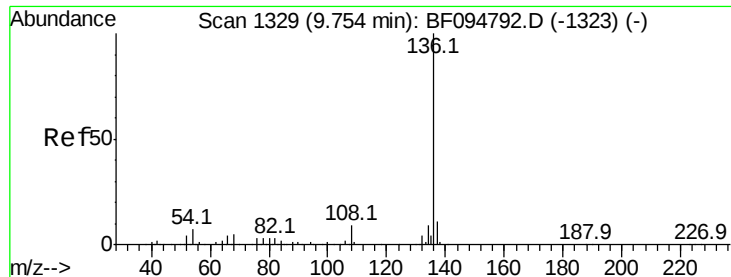
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 403297

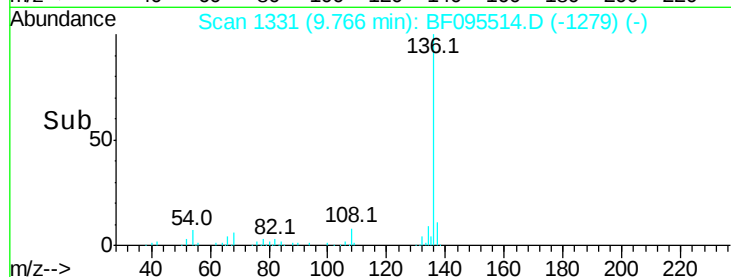
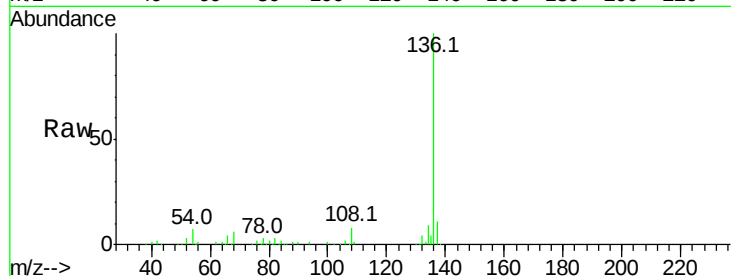
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.7 4.9 7.3

68 5.7 4.1 6.1

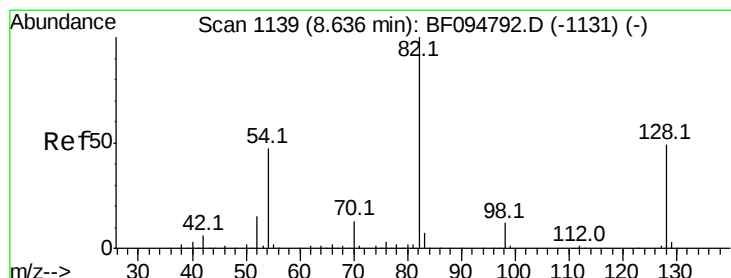
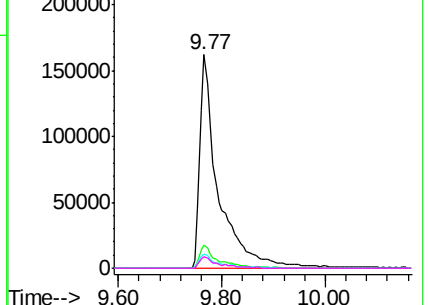


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.54 ng

RT: 8.65 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

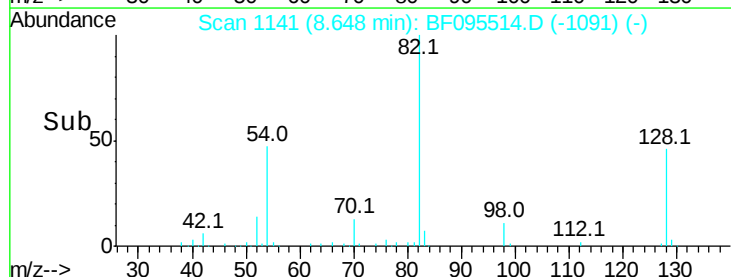
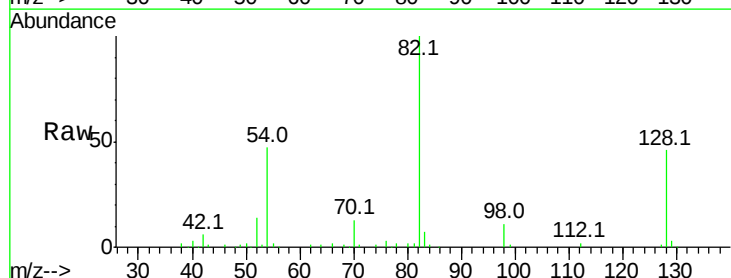
Tgt Ion: 82 Resp: 367974

Ion Ratio Lower Upper

82 100

128 45.6 34.0 51.0

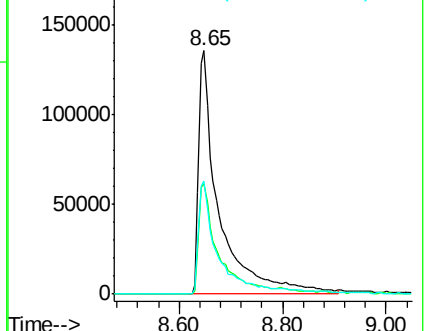
54 46.6 42.2 63.2

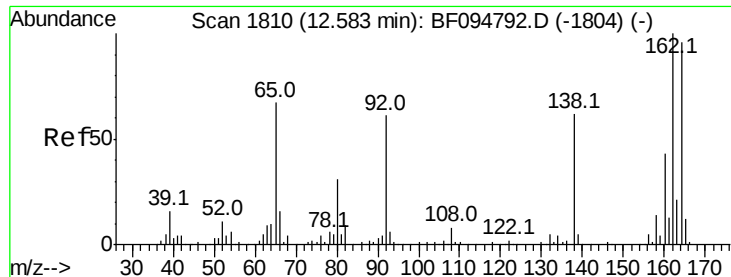


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.59 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

Instrument :

BNA_F

ClientSampleId :

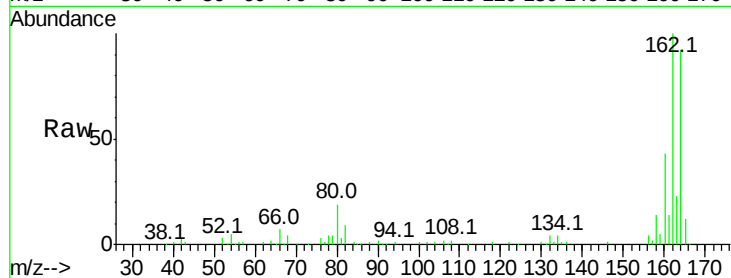
Tot Ion:164 Resp: 166560

Ion Ratio Lower Upper

164 100

162 108.2 82.6 123.8

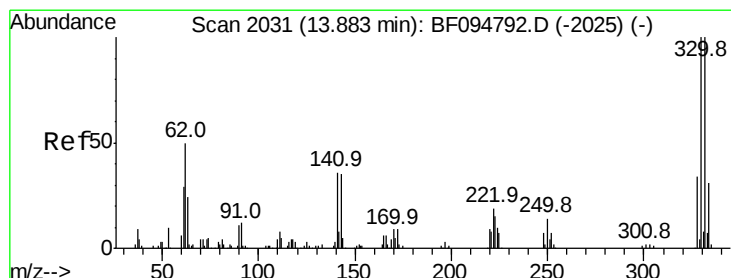
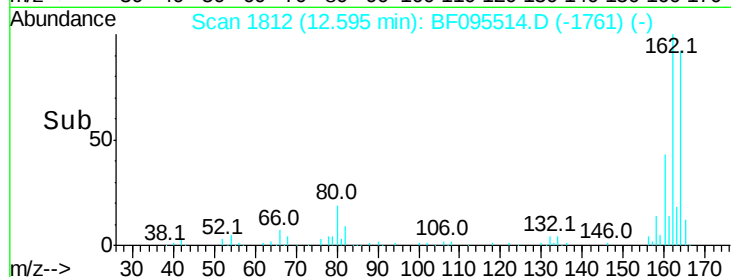
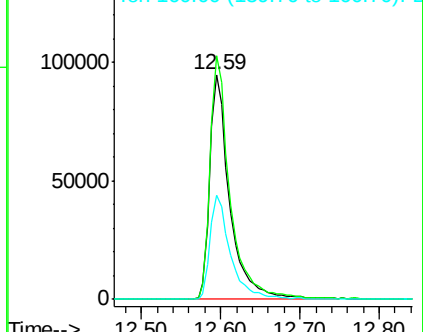
160 46.4 36.2 54.2



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: 77.72 ng

RT: 13.90 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

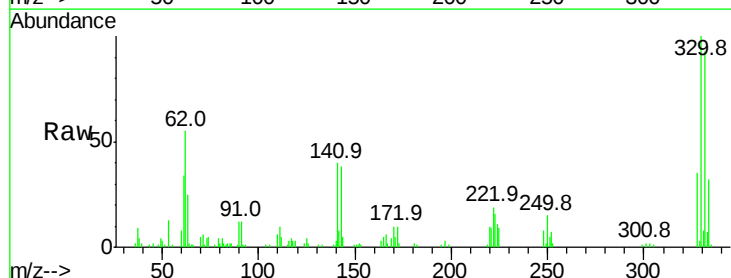
Tgt Ion:330 Resp: 106020

Ion Ratio Lower Upper

330 100

332 94.6 76.6 115.0

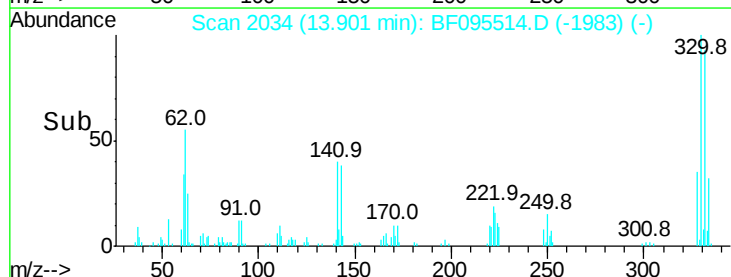
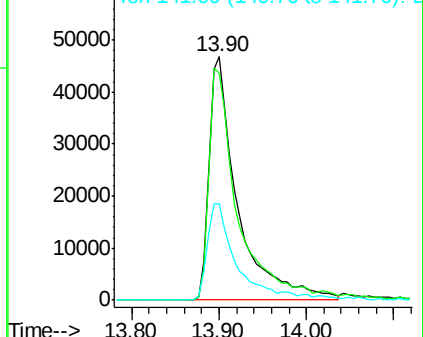
141 41.6 31.4 47.2

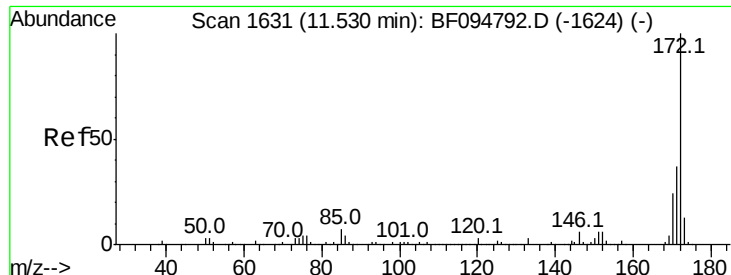


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

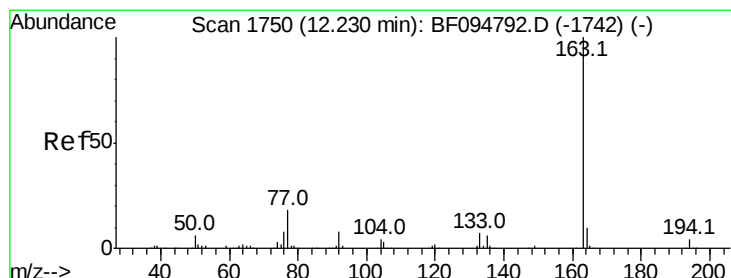
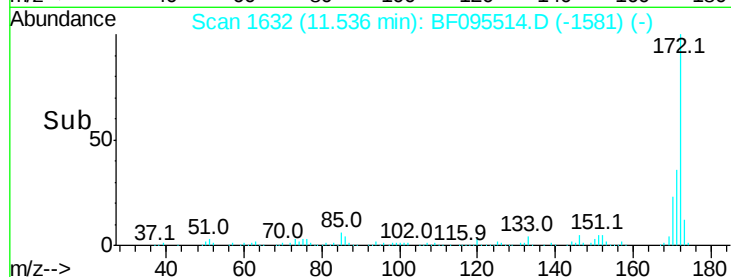
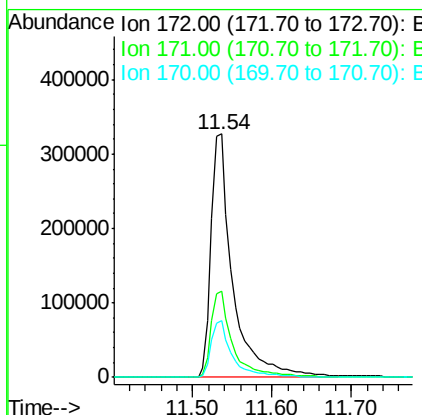
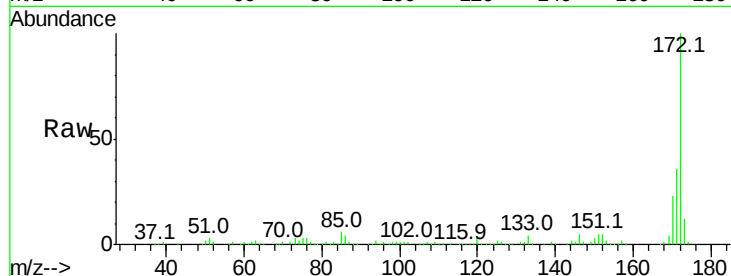




#44
2-Fluorobiphenyl
Concen: 54.15 ng
RT: 11.54 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

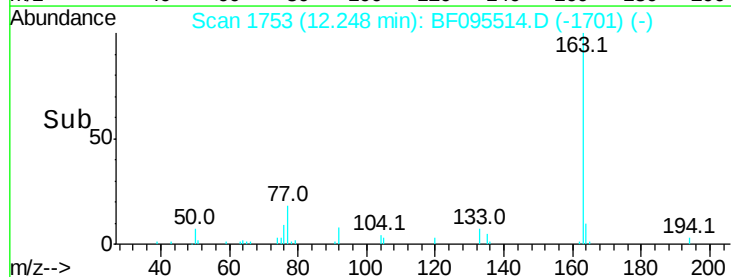
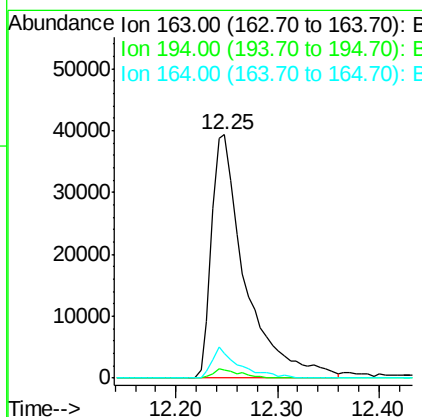
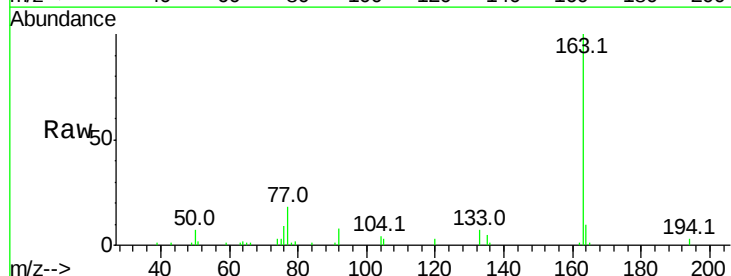
Instrument :
BNA_F
ClientSampleId :

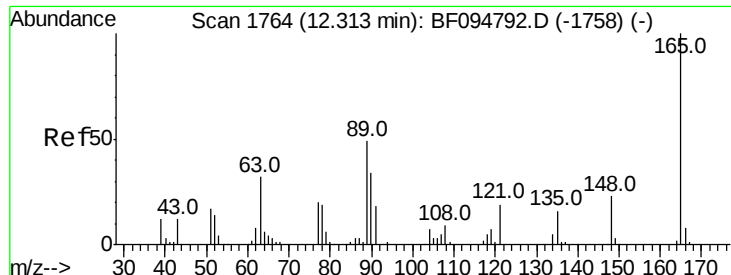
Tot Ion:172 Resp: 626602
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 6.63 ng
RT: 12.25 min Scan# 1753
Delta R.T. 0.01 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

Tgt Ion:163 Resp: 90635
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.0 8.4 12.6

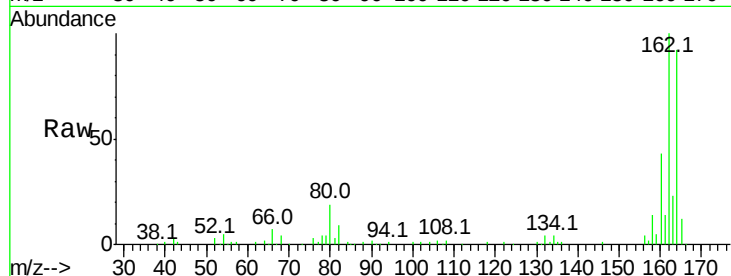




#50
 2,6-Dinitrotoluene
 Concen: 6.51 ng
 RT: 12.59 min Scan# 1812
 Delta R.T. 0.25 min
 Lab File: BF095514.D
 Acq: 28 May 2017 00:29

Instrument :
 BNA_F
 ClientSampleId :

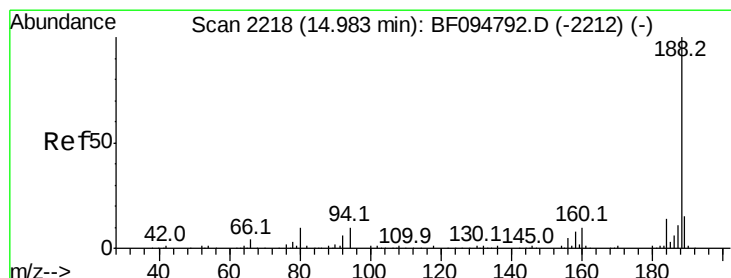
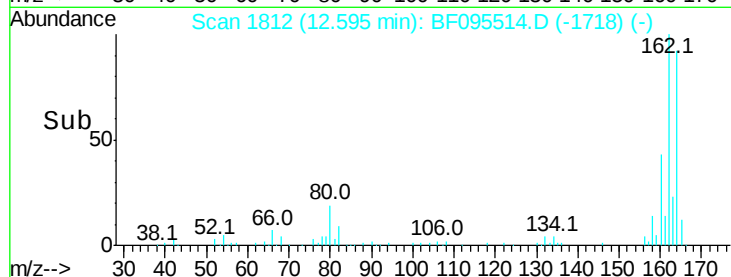
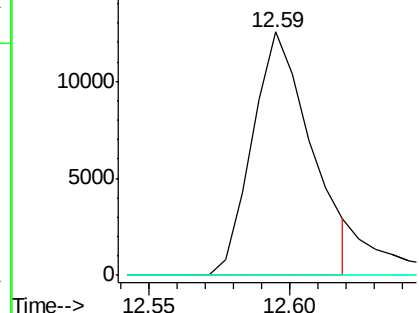
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



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



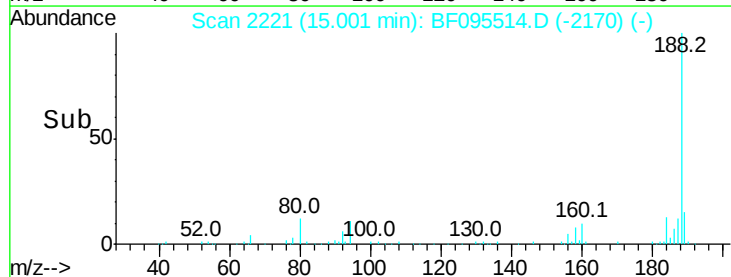
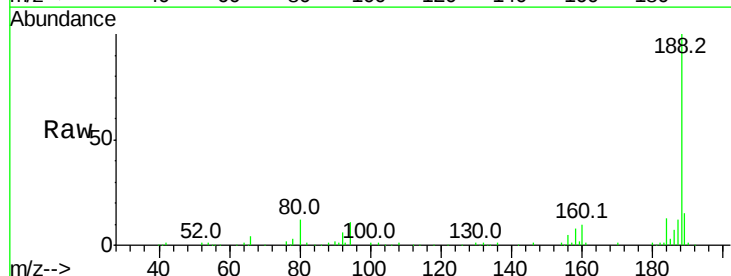
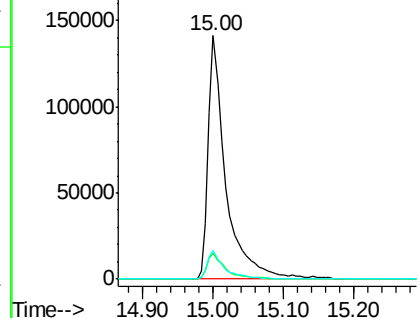
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BF095514.D
 Acq: 28 May 2017 00:29

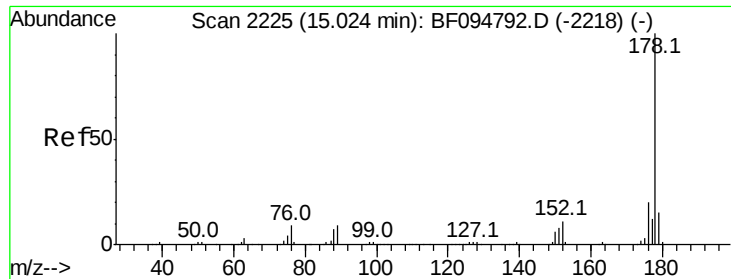
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.6	10.2	15.2

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

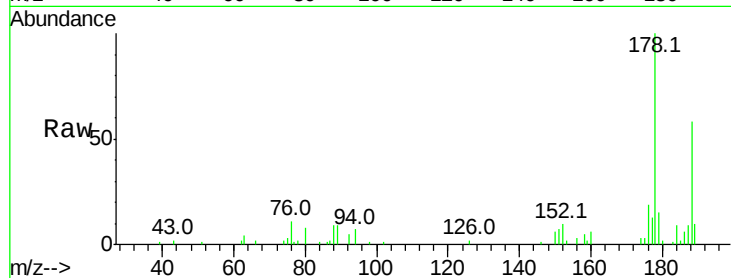




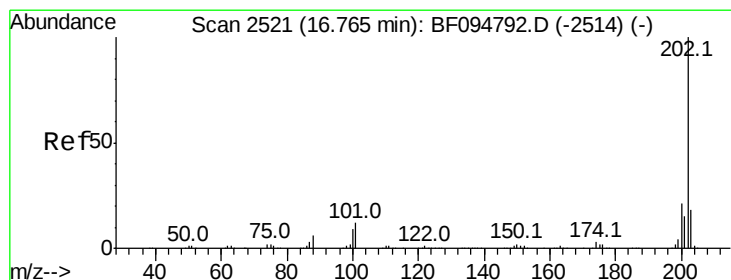
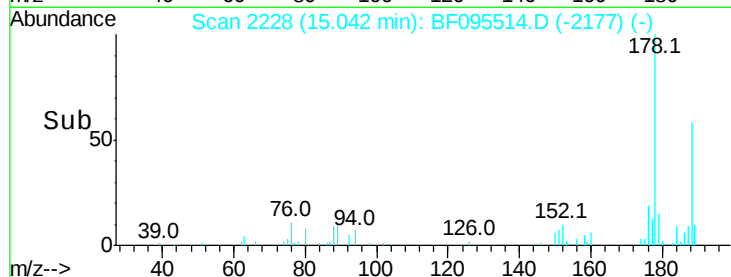
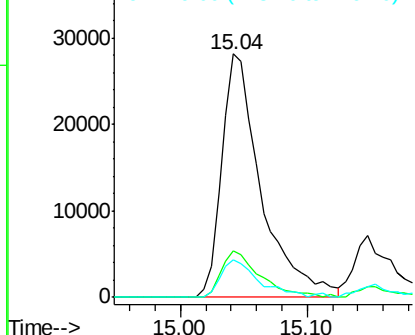
#70
Phenanthrene
Concen: 4.28 ng
RT: 15.04 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 60882
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.3 12.6 19.0

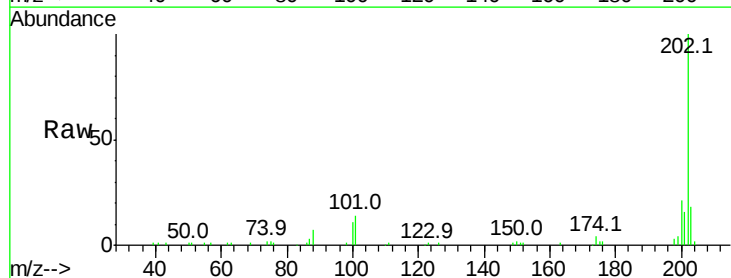


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

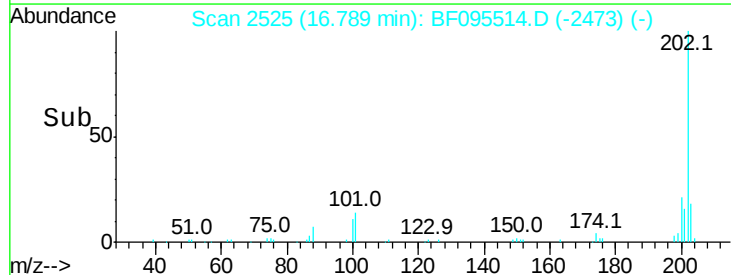
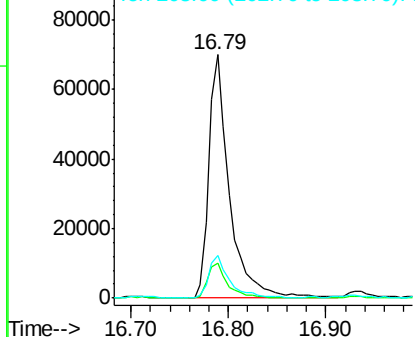


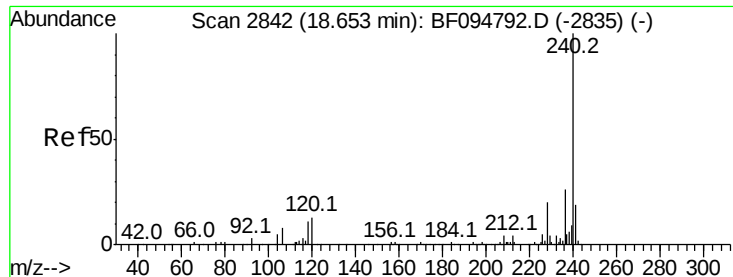
#74
Fluoranthene
Concen: 7.05 ng
RT: 16.79 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

Tgt Ion:202 Resp: 102876
Ion Ratio Lower Upper
202 100
101 14.3 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: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

Instrument :

BNA_F

ClientSampleId :

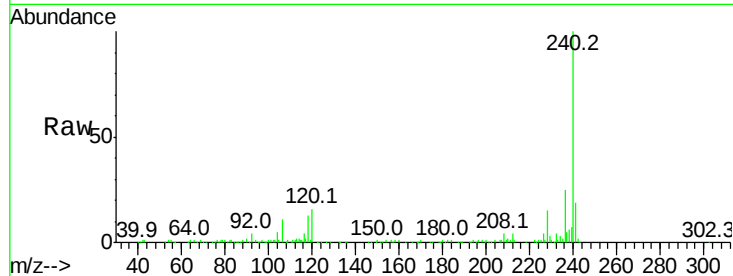
Tot Ion:240 Resp: 191422

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

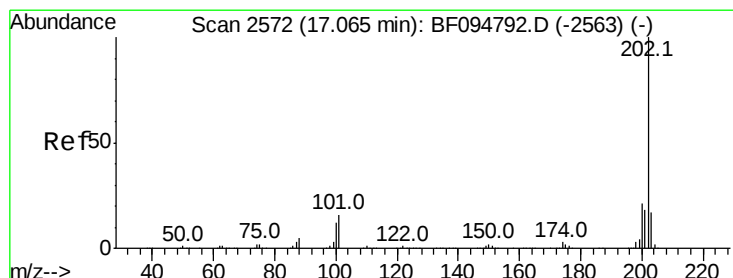
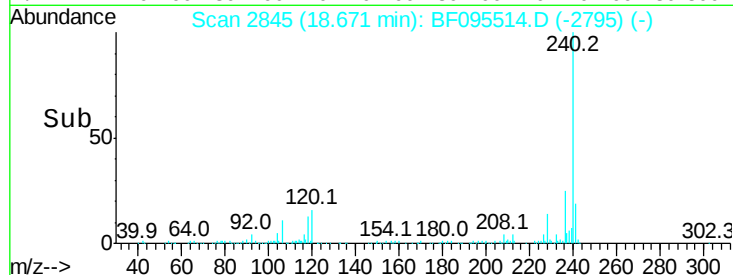
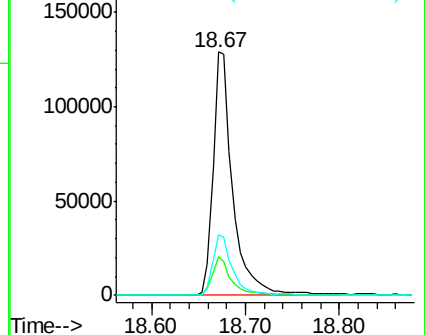
236 24.9 20.5 30.7



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: 6.68 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

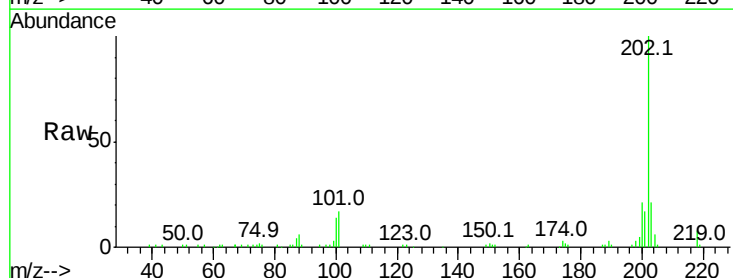
Tgt Ion:202 Resp: 95675

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

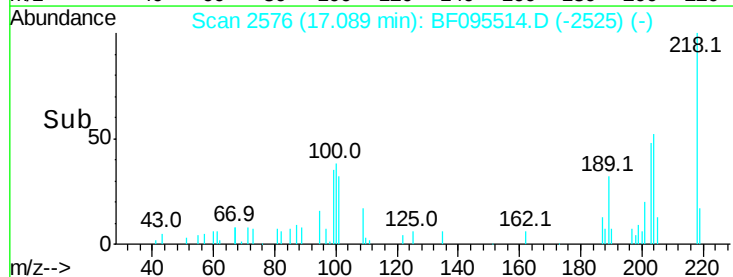
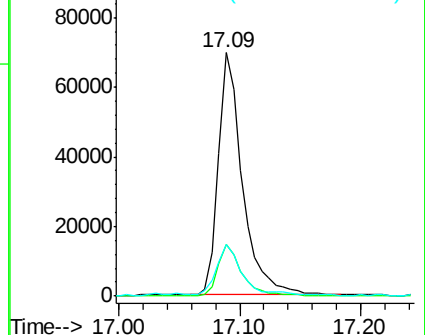
203 21.3 14.4 21.6

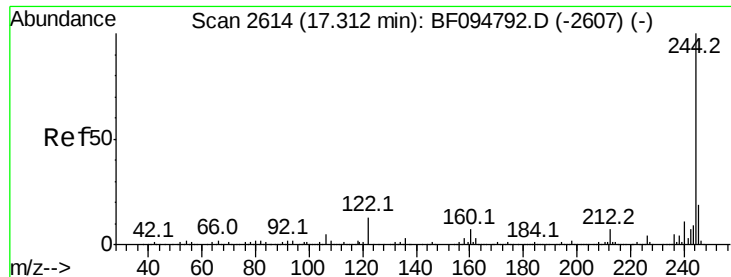


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 39.85 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

Instrument :

BNA_F

ClientSampleId :

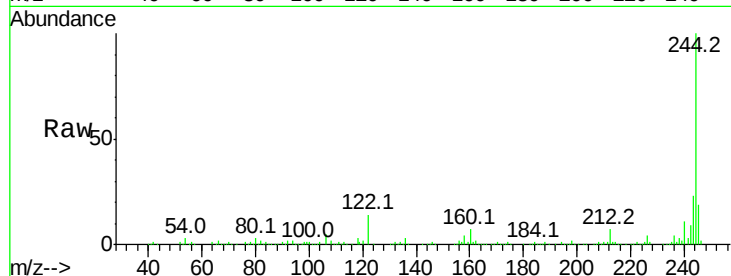
Tot Ion:244 Resp: 346321

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

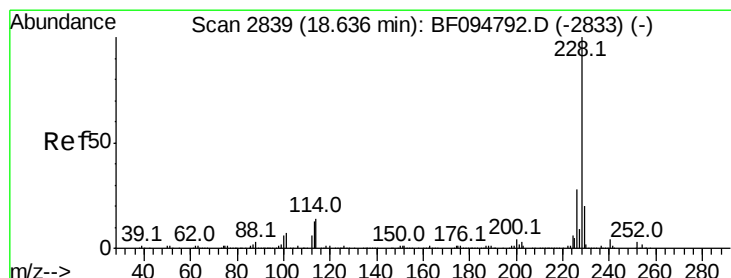
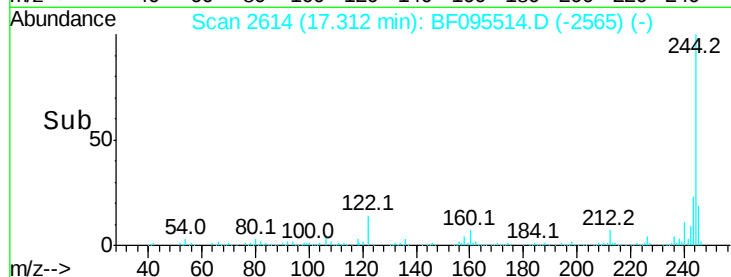
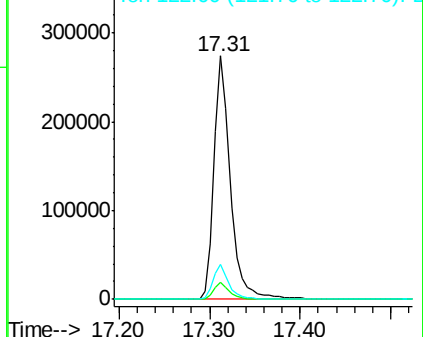
122 14.3 10.3 15.5



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: 3.98 ng

RT: 18.71 min Scan# 2852

Delta R.T. 0.05 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

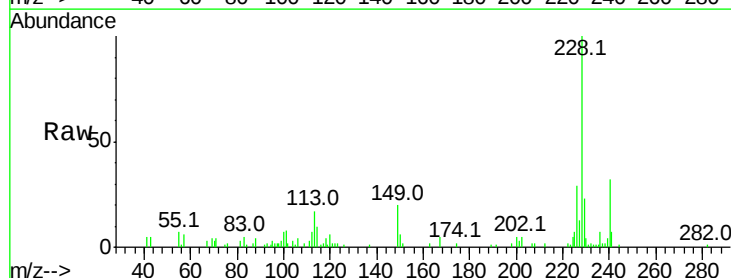
Tgt Ion:228 Resp: 44350

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

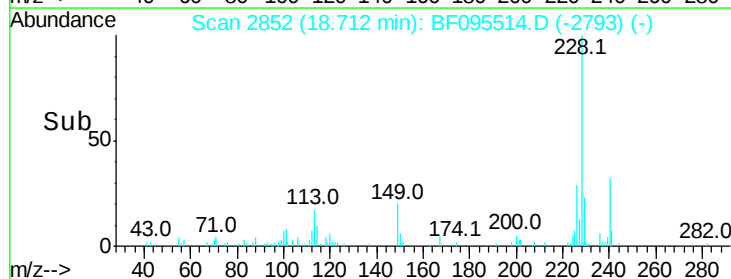
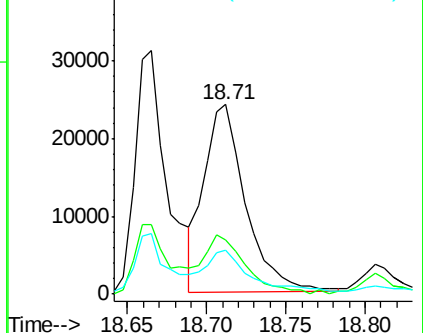
229 23.3 16.3 24.5

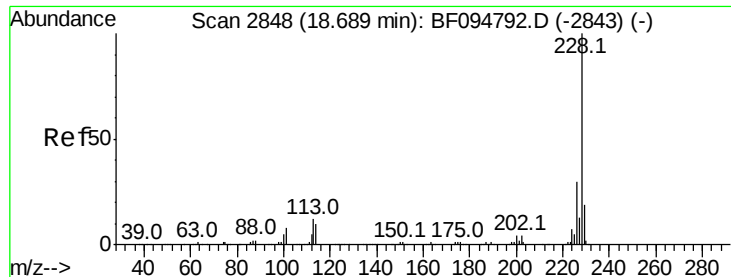


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.12 ng

RT: 18.71 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BF095514.D

Acq: 28 May 2017 00:29

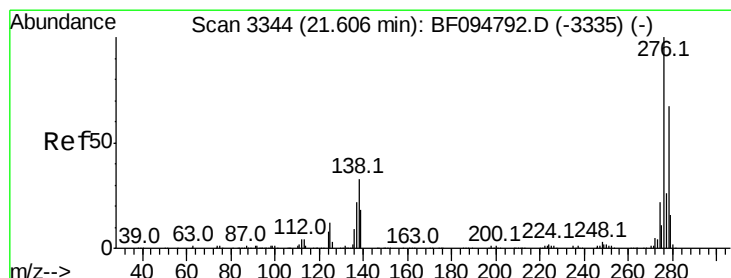
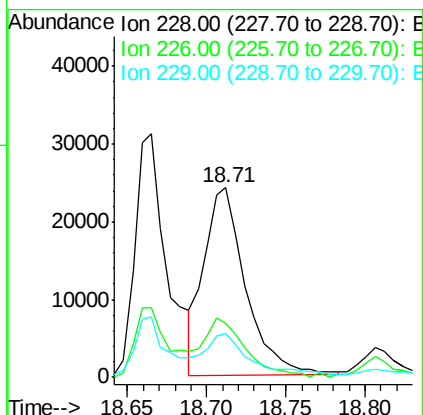
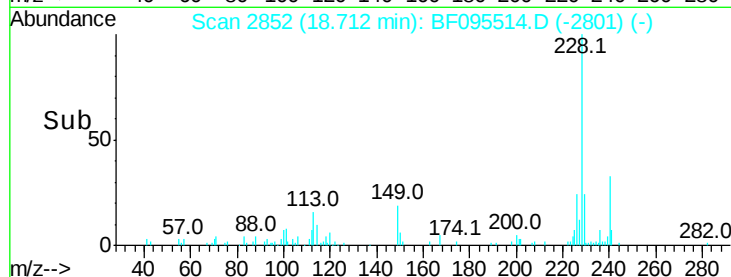
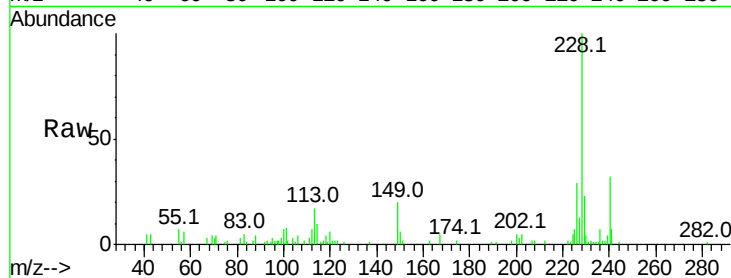
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 44350

Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.9	37.3
229	23.3	15.8	23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.28 ng

RT: 21.72 min Scan# 3363

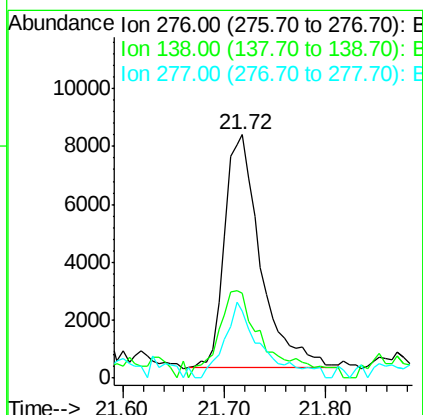
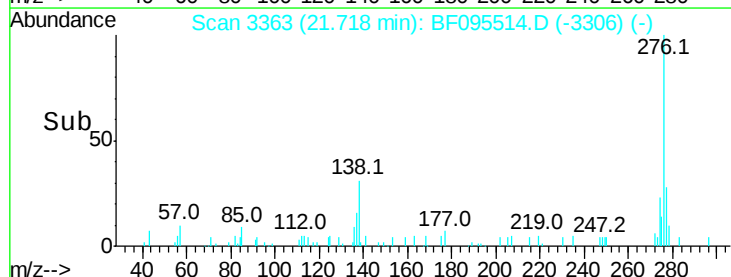
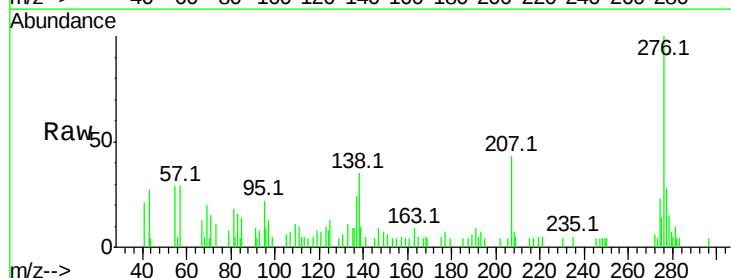
Delta R.T. 0.04 min

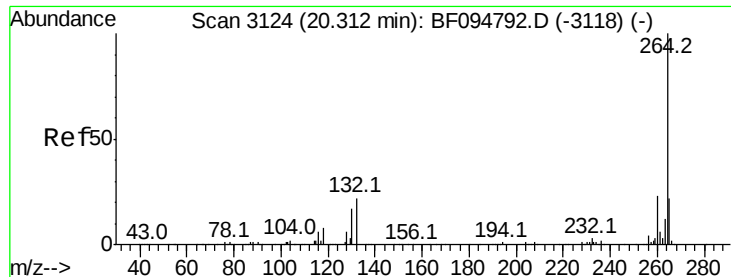
Lab File: BF095514.D

Acq: 28 May 2017 00:29

Tgt Ion:276 Resp: 19923

Ion	Ratio	Lower	Upper
276	100		
138	49.1	27.8	41.6#
277	31.4	20.2	30.4#

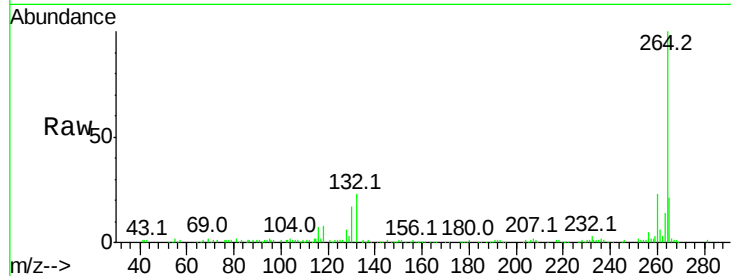




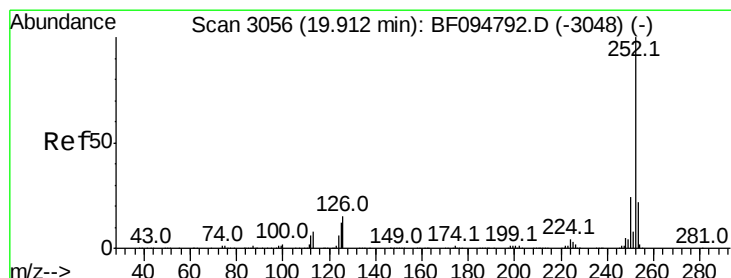
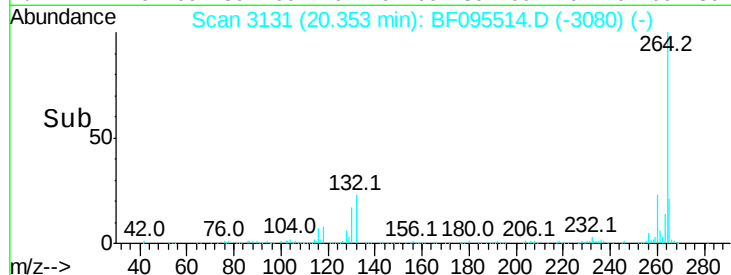
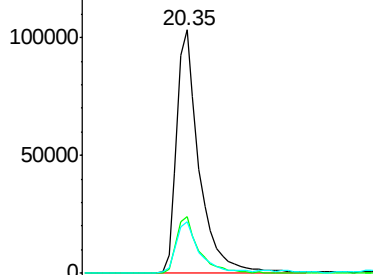
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 161008
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 20.9 17.2 25.8

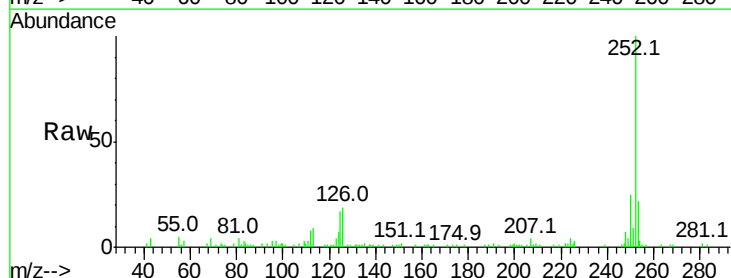


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

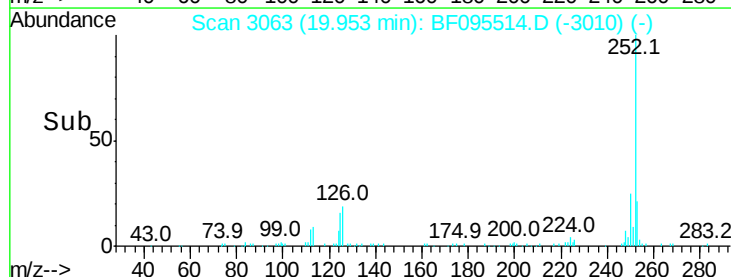
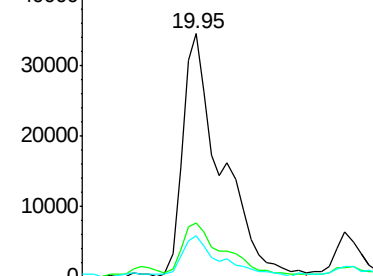


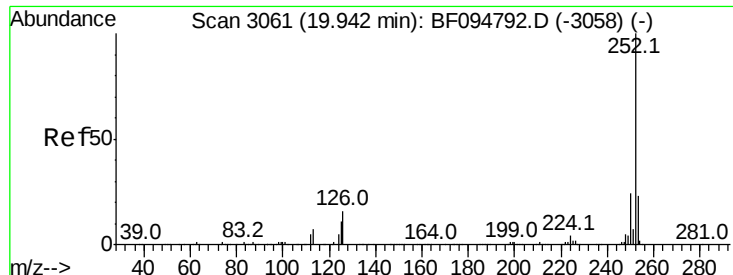
#87
Benzo(b)fluoranthene
Concen: 7.04 ng
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

Tgt Ion:252 Resp: 70067
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 17.2 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

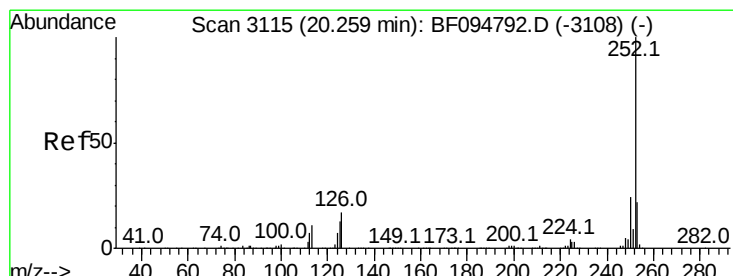
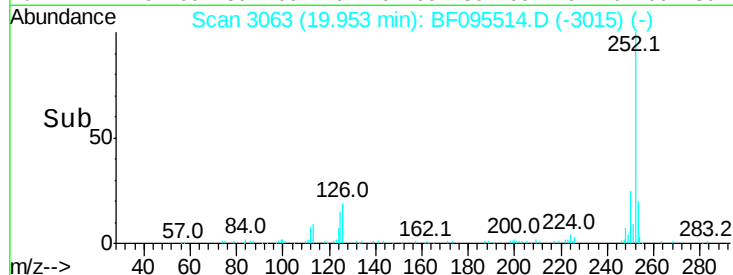
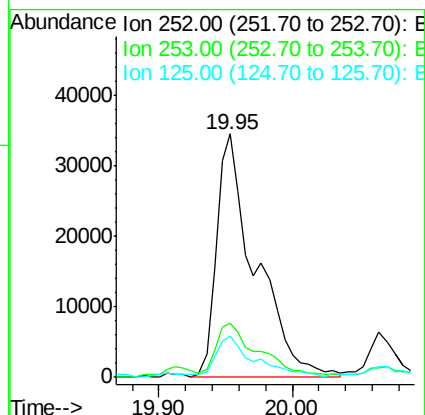
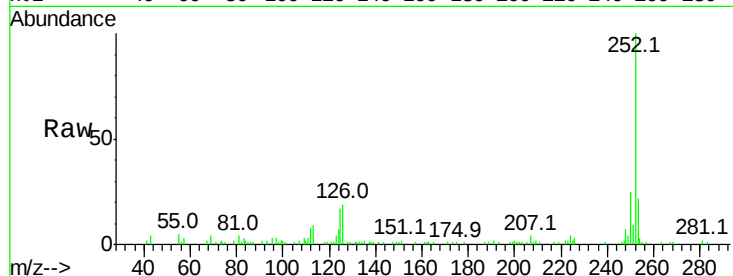




#88
Benzo(k)fluoranthene
Concen: 7.30 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.02 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

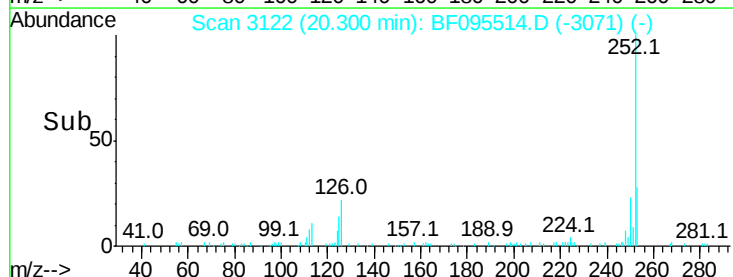
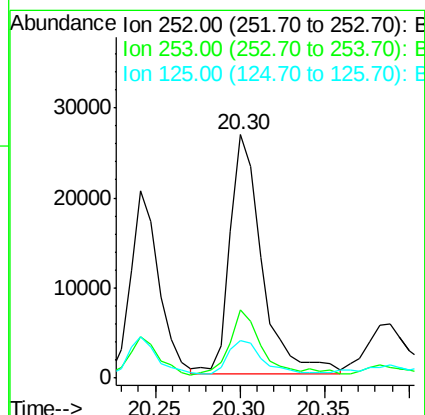
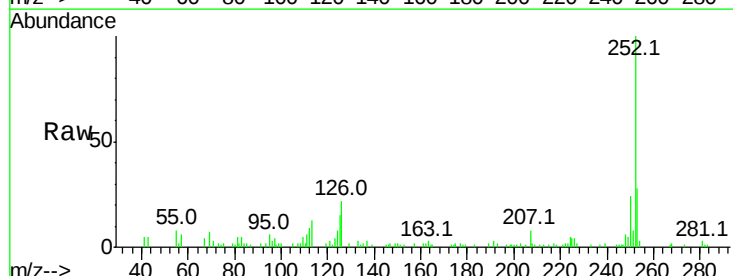
Instrument :
BNA_F
ClientSampleId :

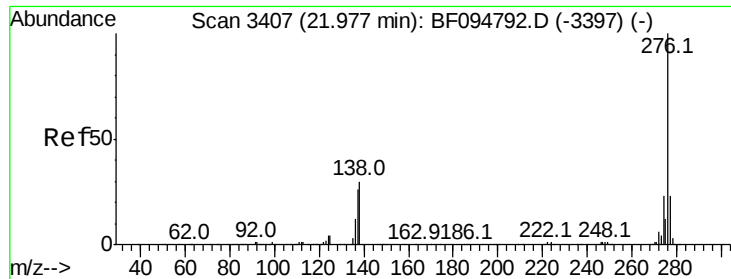
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	17.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 3.81 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095514.D
Acq: 28 May 2017 00:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.5	26.3#
125	15.5	11.0	16.4

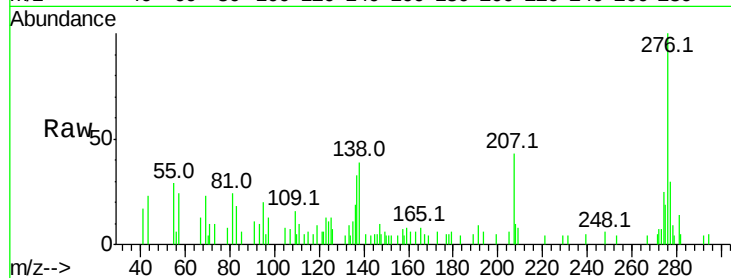




#91
 Benzo(a,h,i)perylene
 Concen: 2.84 ng
 RT: 22.11 min Scan# 3429
 Delta R.T. 0.04 min
 Lab File: BF095514.D
 Acq: 28 May 2017 00:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.7	18.6	28.0
138	39.3	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

