

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
 Data File : BF095324.D
 Acq On : 22 May 2017 20:34
 Operator : SJ/MA
 Sample : I3257-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 23 01:20:38 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

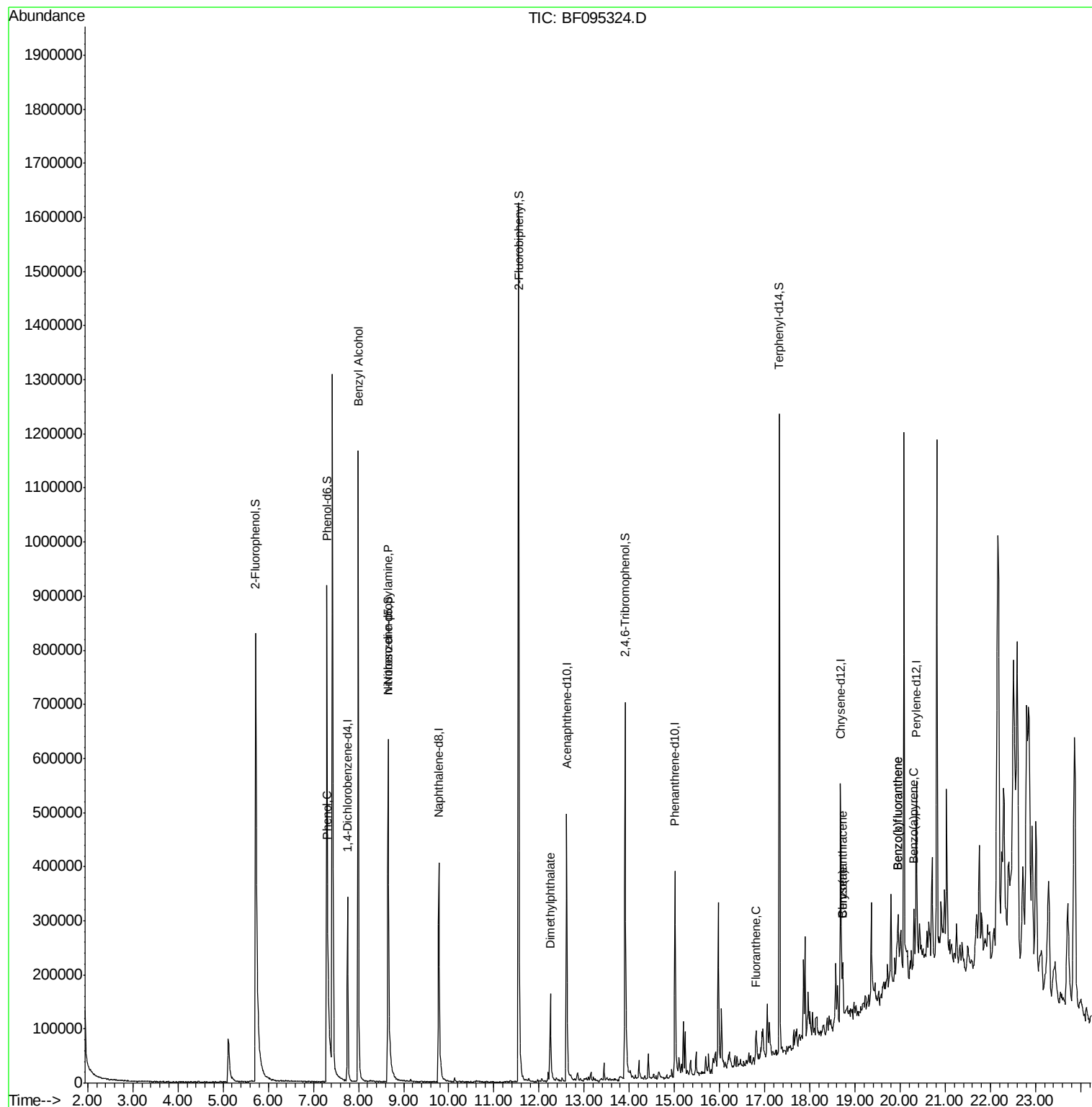
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	79827	20.00	ng	-0.01
21) Naphthalene-d8	9.78	136	365681	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	162192	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	234520	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	195817	20.00	ng	-0.01
86) Perylene-d12	20.36	264	153146	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	653852	136.56	ng	-0.01
7) Phenol-d6	7.30	99	720981	125.50	ng	-0.02
23) Nitrobenzene-d5	8.65	82	422514	72.86	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	136553	102.80	ng	-0.01
44) 2-Fluorobiphenyl	11.55	172	831899	73.83	ng	-0.01
78) Terphenyl-d14	17.33	244	480655	54.06	ng	-0.02
Target Compounds						
10) Phenol	7.32	94	15126	2.50	ng	# 34
15) Benzyl Alcohol	7.99	79	7701	2.08	ng	# 46
19) n-Nitroso-di-n-propylamine	8.65	70	50548	13.01	ng	# 74
49) Dimethylphthalate	12.25	163	125404	9.42	ng	100
74) Fluoranthene	16.80	202	28822	2.09	ng	96
80) Benzo(a)anthracene	18.72	228	28012	2.46	ng	95
82) Chrysene	18.72	228	28012	2.54	ng	97
87) Benzo(b)fluoranthene	19.96	252	52657	5.56	ng	# 86
88) Benzo(k)fluoranthene	19.96	252	52657	5.77	ng	# 91
89) Benzo(a)pyrene	20.31	252	17489	2.00	ng	# 76

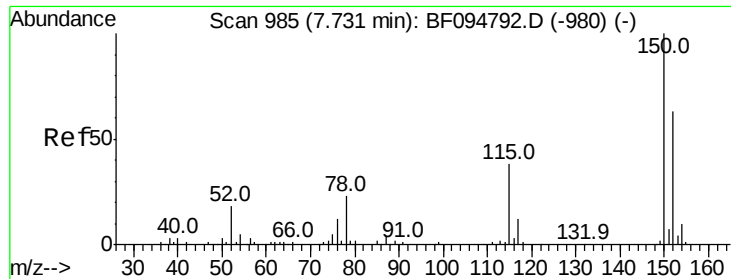
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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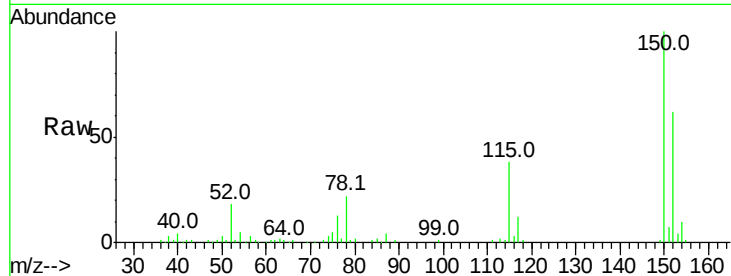


#1

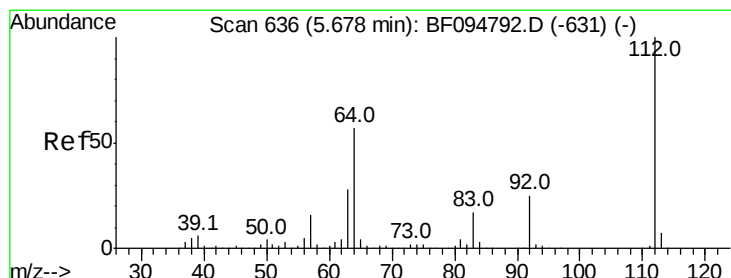
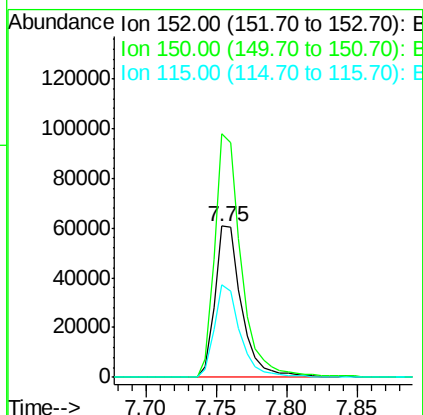
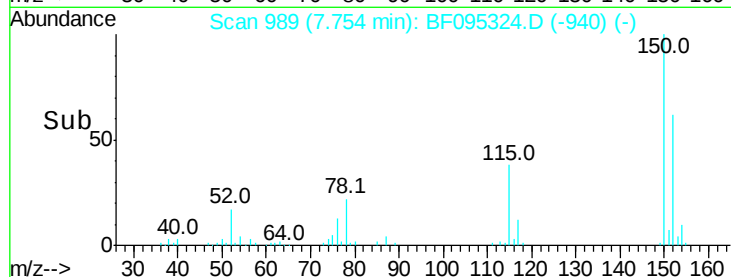
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79827
Ion Ratio Lower Upper
152 100
150 161.1 126.2 189.2
115 61.3 52.2 78.2



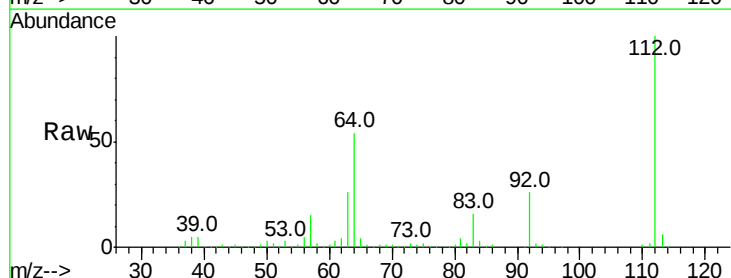
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



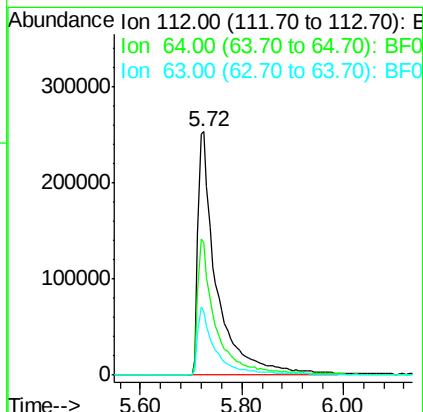
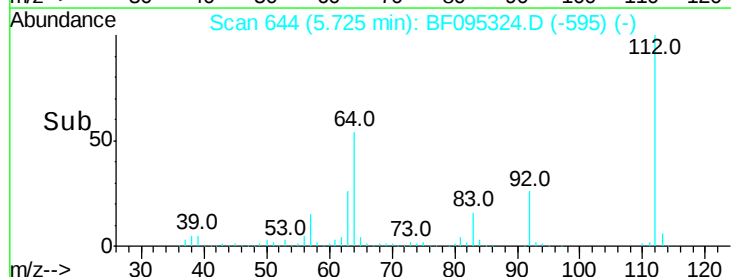
#5

2-Fluorophenol
Concen: 136.56 ng
RT: 5.72 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

Tgt Ion:112 Resp: 653852
Ion Ratio Lower Upper
112 100
64 54.2 46.0 69.0
63 25.8 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: 125.50 ng

RT: 7.30 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

Instrument :

BNA_F

ClientSampleId :

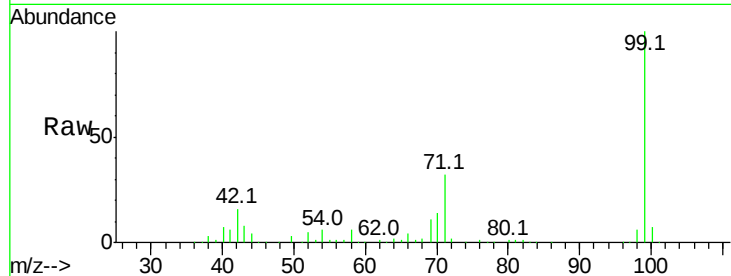
Tot Ion: 99 Resp: 720981

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

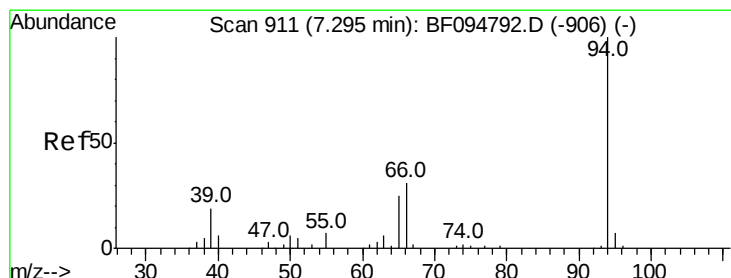
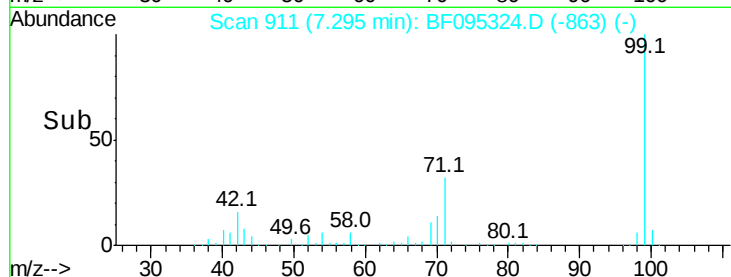
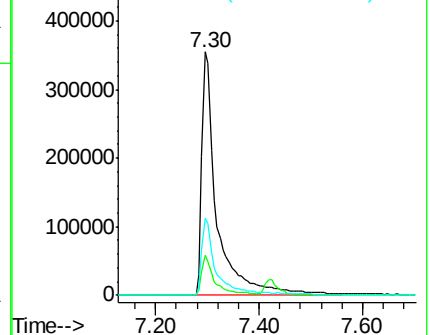
71 31.7 24.5 36.7



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



#10

Phenol

Concen: 2.50 ng

RT: 7.32 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

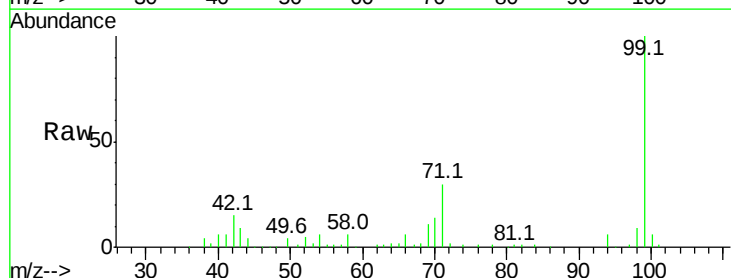
Tgt Ion: 94 Resp: 15126

Ion Ratio Lower Upper

94 100

65 34.5 9.9 49.9

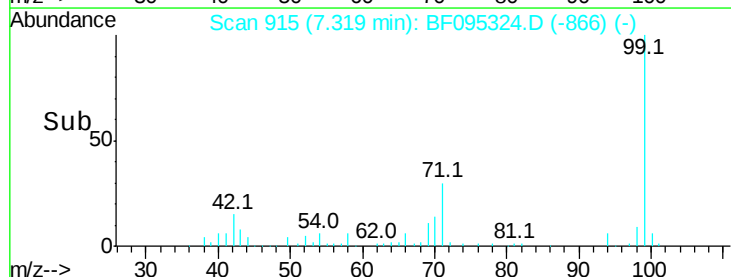
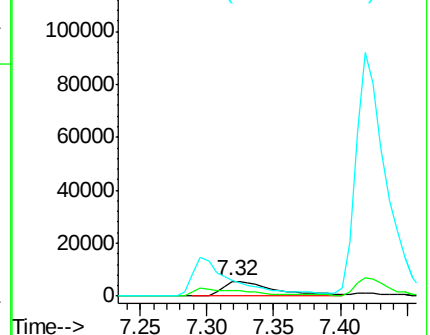
66 110.5 23.1 63.1#

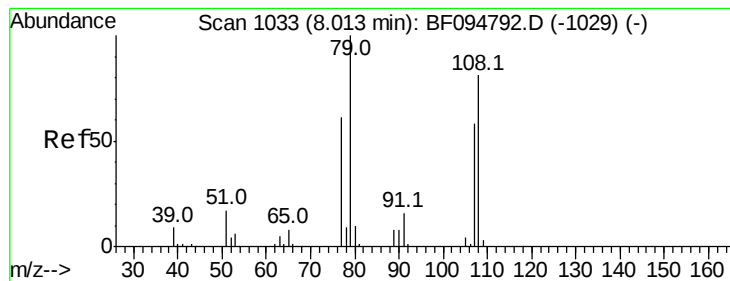


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 7.99 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

Instrument :

BNA_F

ClientSampleId :

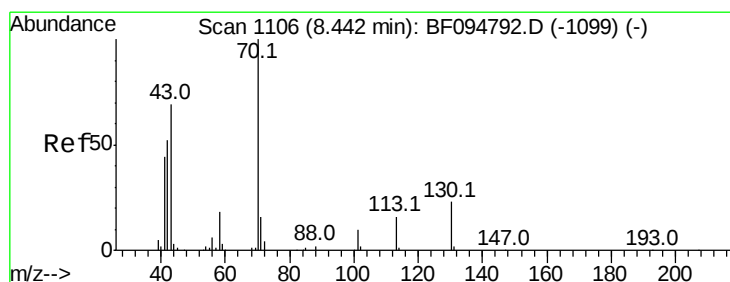
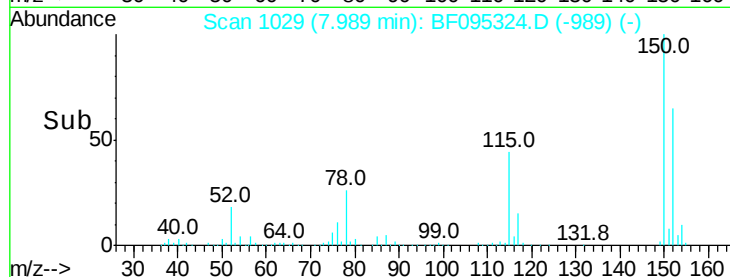
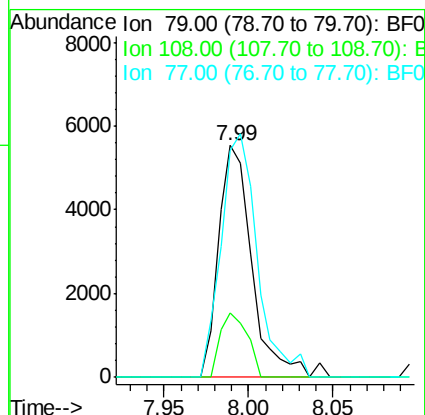
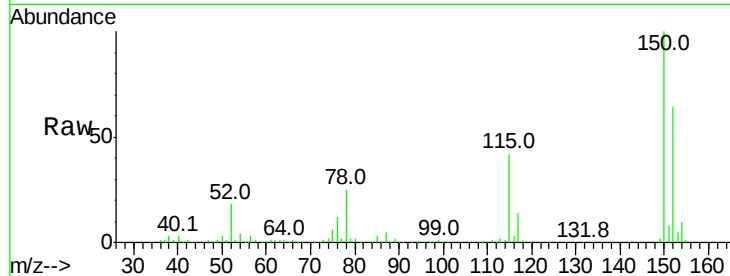
Tot Ion: 79 Resp: 7701

Ion Ratio Lower Upper

79 100

108 27.5 63.4 95.0#

77 98.1 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.01 ng

RT: 8.65 min Scan# 1142

Delta R.T. 0.18 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

Tgt Ion: 70 Resp: 50548

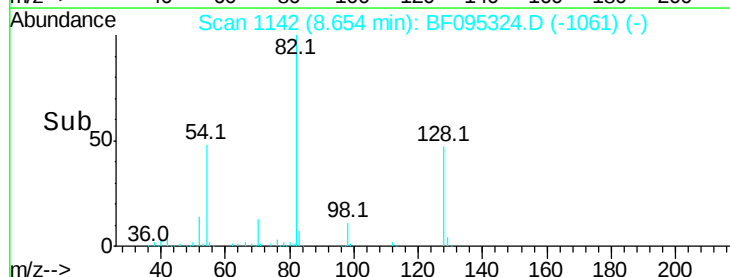
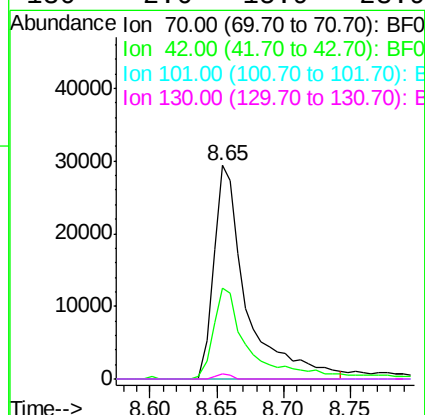
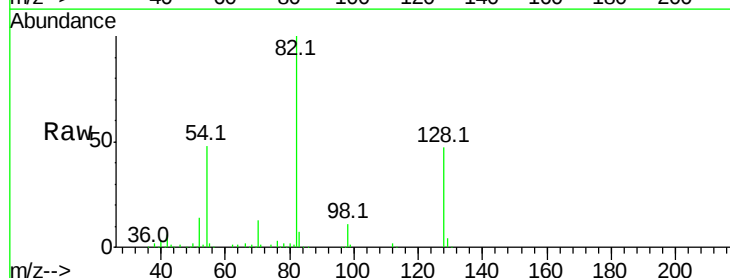
Ion Ratio Lower Upper

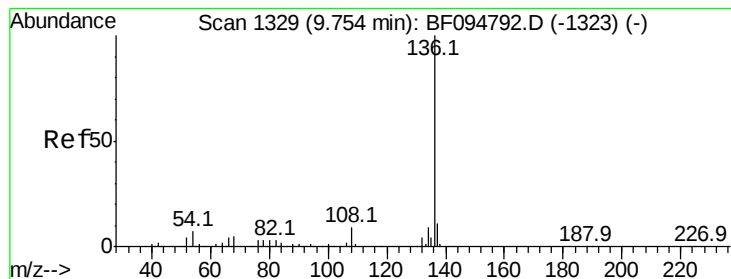
70 100

42 42.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 365681

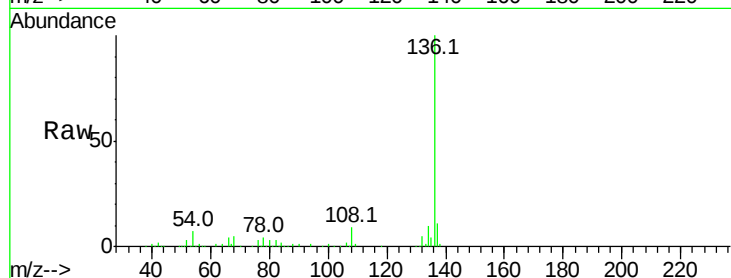
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 5.1 4.1 6.1

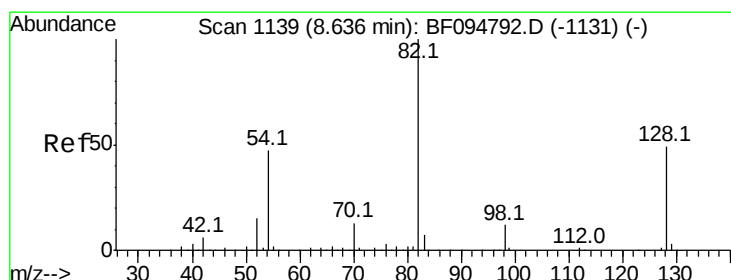
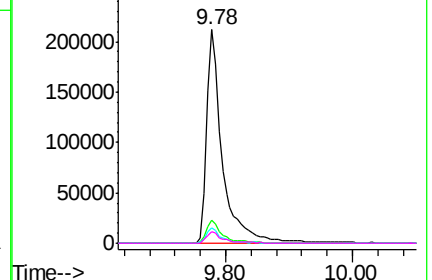
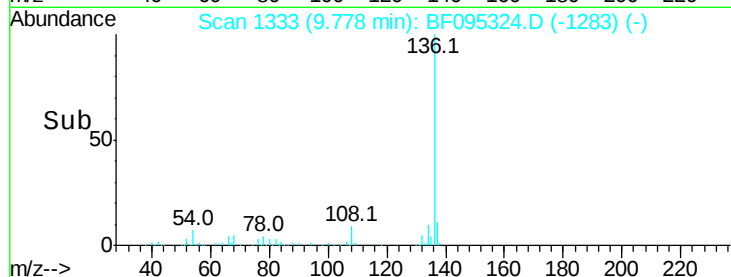


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.86 ng

RT: 8.65 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

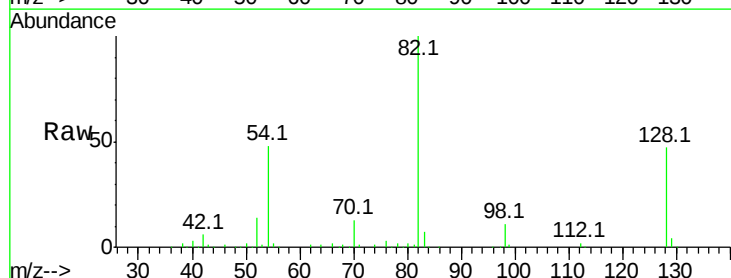
Tgt Ion: 82 Resp: 422514

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

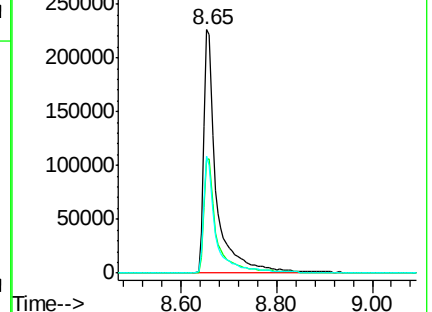
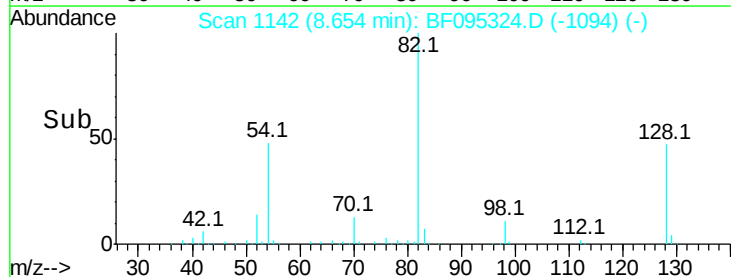
54 47.9 42.2 63.2

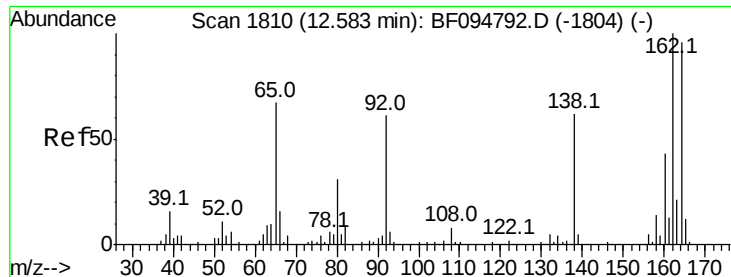


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.61 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

Instrument :

BNA_F

ClientSampleId :

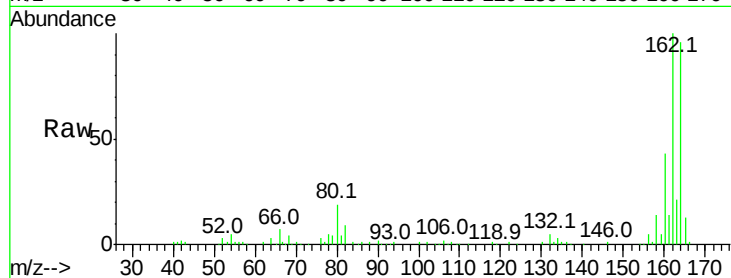
Tot Ion:164 Resp: 162192

Ion Ratio Lower Upper

164 100

162 104.1 82.6 123.8

160 44.5 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

150000

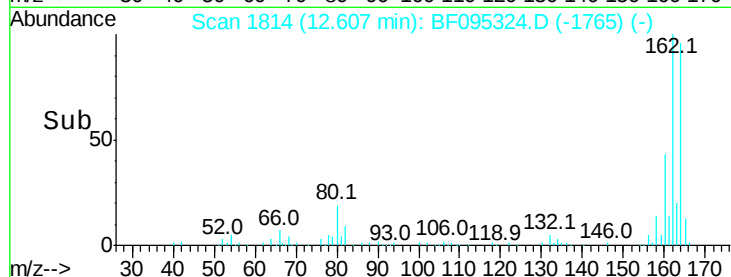
100000

50000

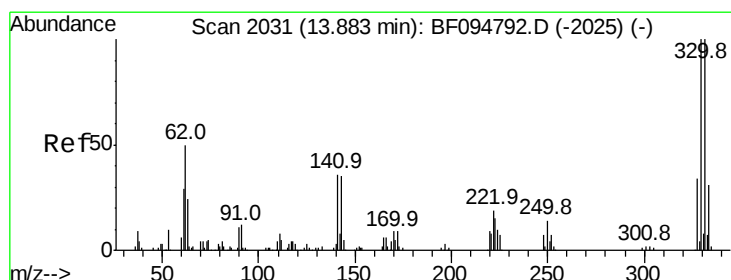
0

12.61

12.50 12.60 12.70



Time-->



#41

2,4,6-Tribromophenol

Concen: 102.80 ng

RT: 13.91 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

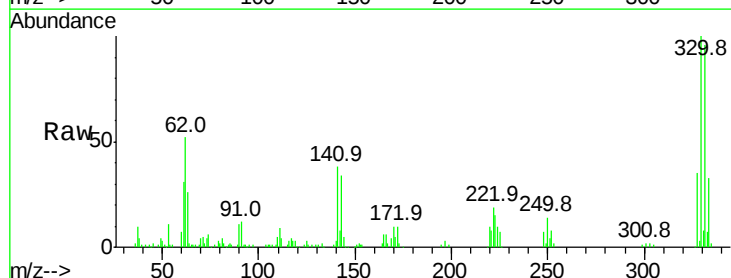
Tgt Ion:330 Resp: 136553

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

141 40.5 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

120000

80000

60000

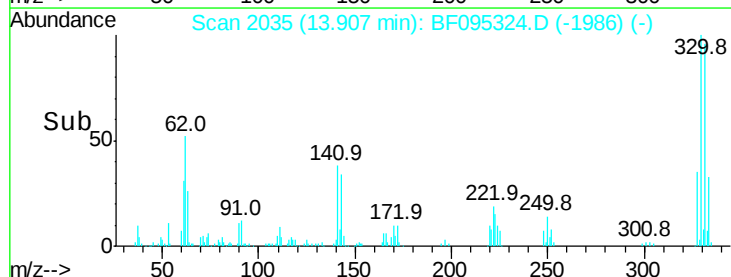
40000

20000

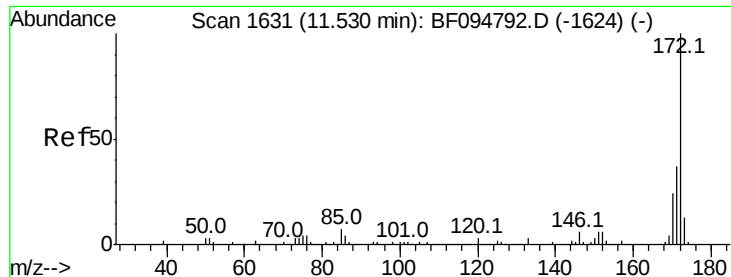
0

13.91

13.80 13.90 14.00



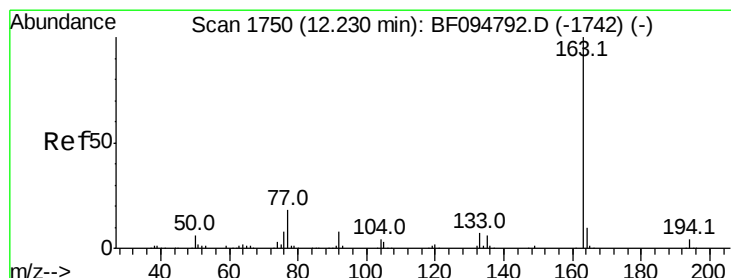
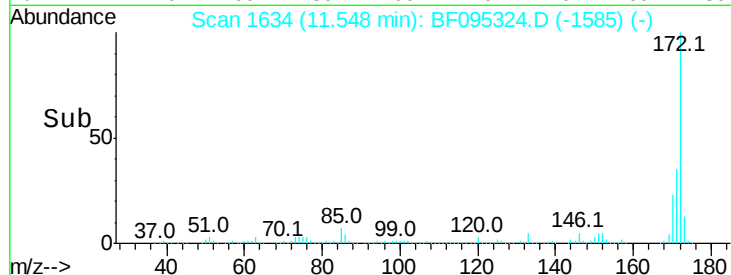
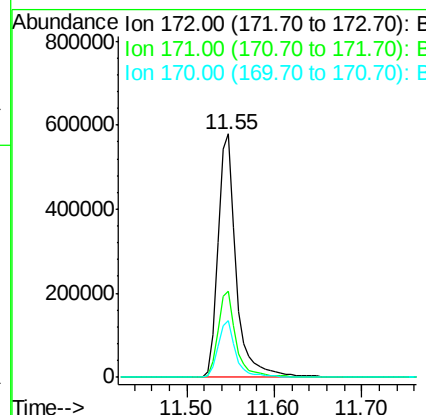
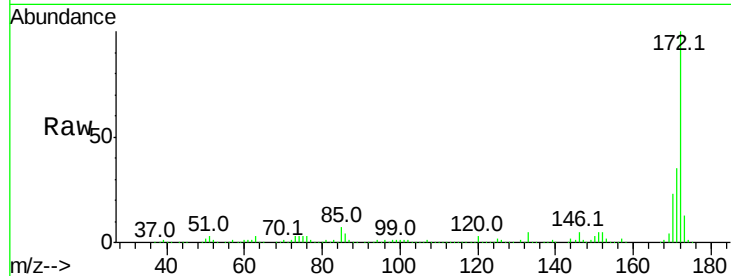
Time-->



#44
2-Fluorobiphenyl
Concen: 73.83 ng
RT: 11.55 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

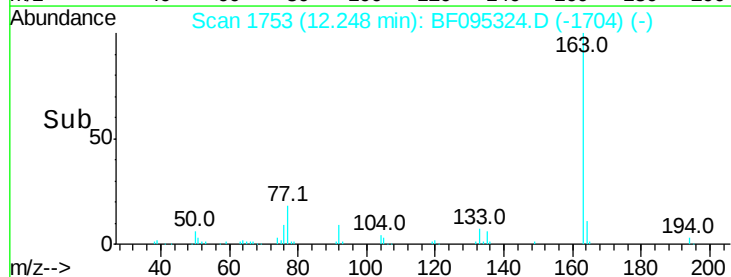
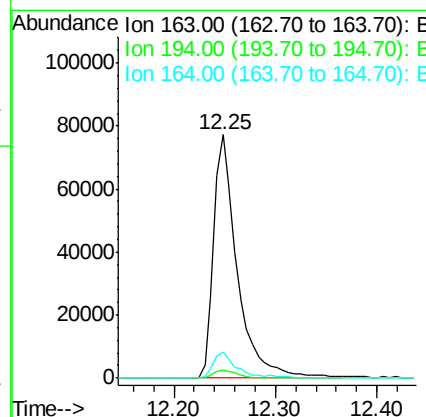
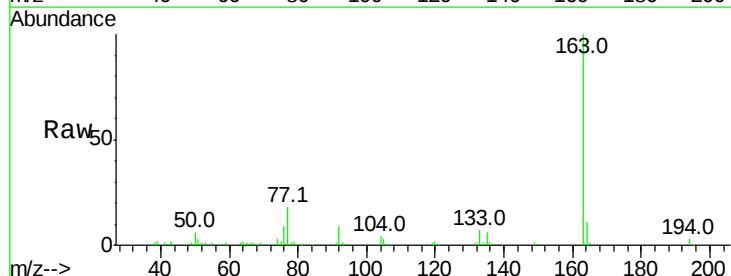
Instrument :
BNA_F
ClientSampleId :

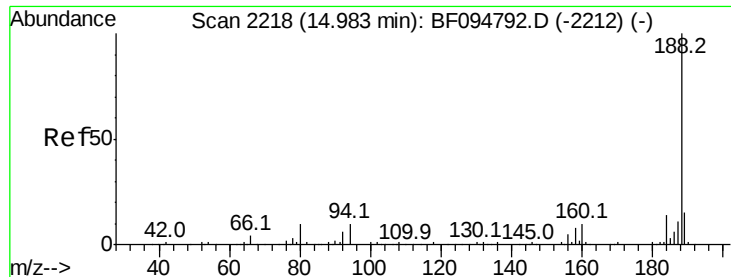
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.4	19.8	29.8



#49
Dimethylphthalate
Concen: 9.42 ng
RT: 12.25 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.6	8.4	12.6

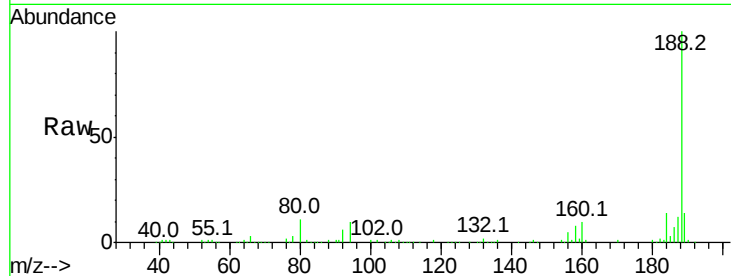




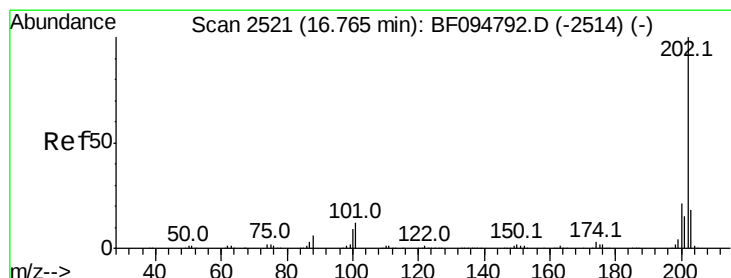
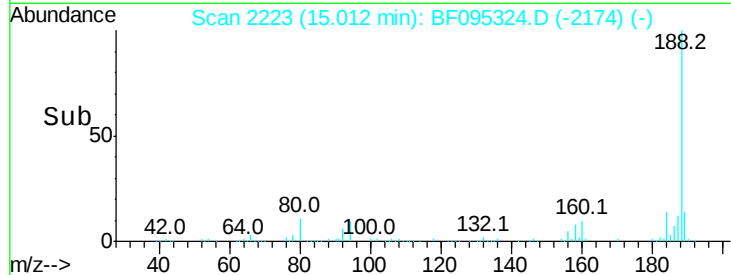
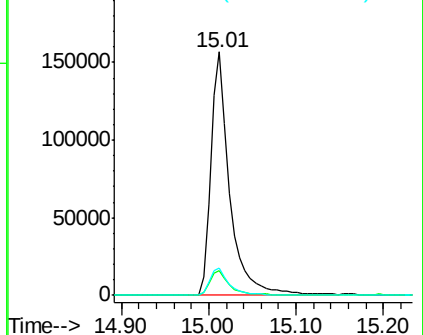
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 234520
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 11.2 10.2 15.2

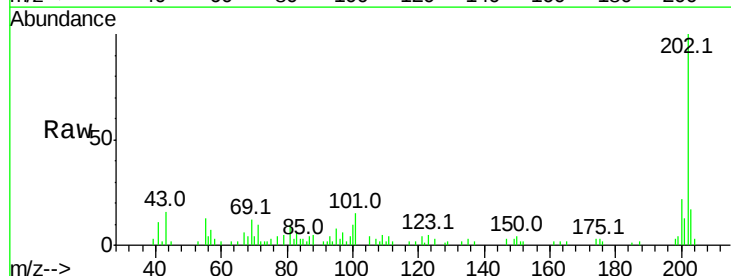


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

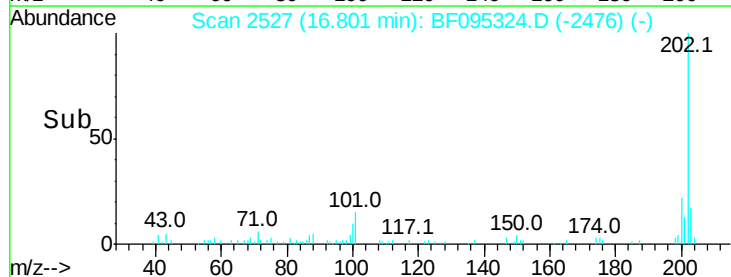
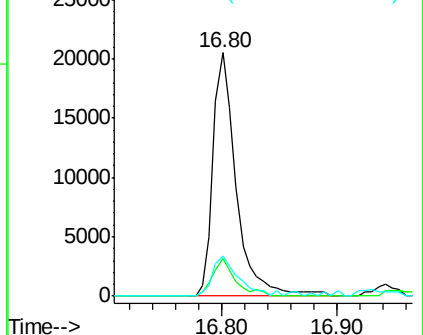


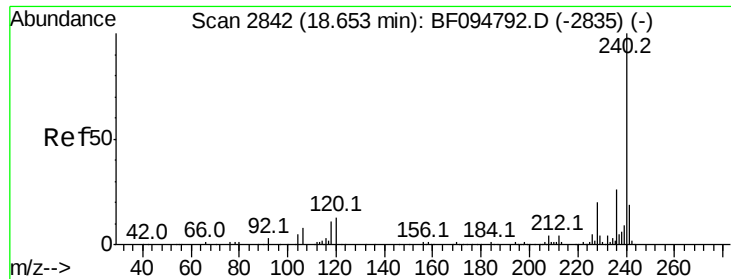
#74
Fluoranthene
Concen: 2.09 ng
RT: 16.80 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

Tgt Ion:202 Resp: 28822
Ion Ratio Lower Upper
202 100
101 15.3 0.0 33.2
203 16.7 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: BF095324.D

Acq: 22 May 2017 20:34

Instrument :

BNA_F

ClientSampleId :

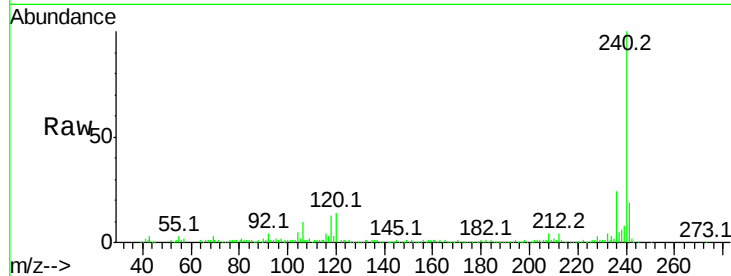
Tot Ion:240 Resp: 195817

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

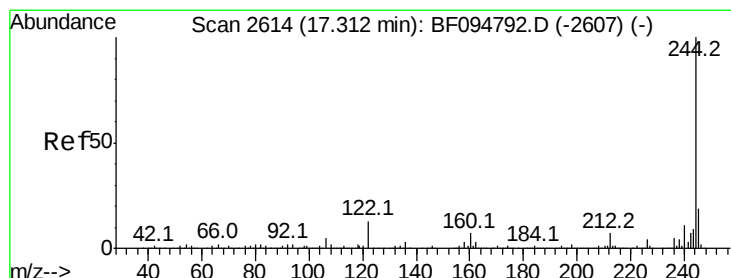
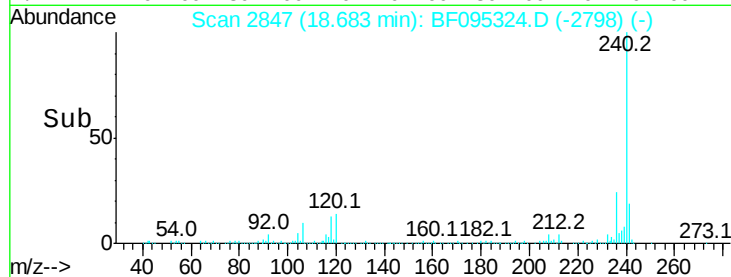
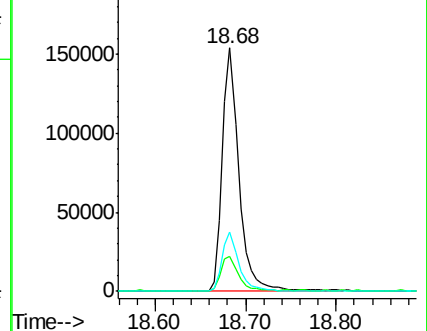
236 24.3 20.5 30.7



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



#78

Terphenyl-d14

Concen: 54.06 ng

RT: 17.33 min Scan# 2617

Delta R.T. -0.02 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

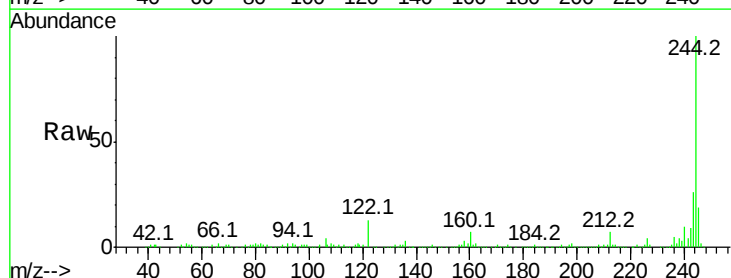
Tgt Ion:244 Resp: 480655

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

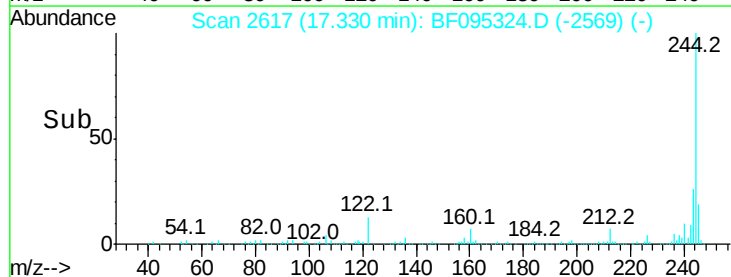
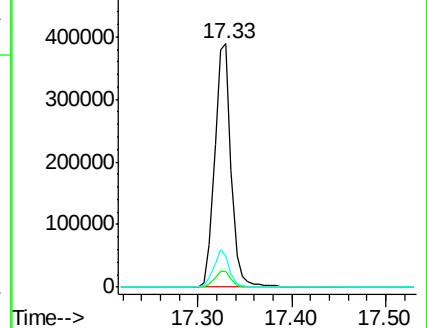
122 12.8 10.3 15.5

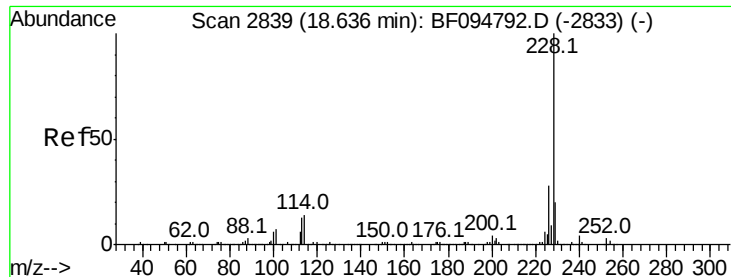


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.46 ng

RT: 18.72 min Scan# 2853

Delta R.T. 0.04 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

Instrument :

BNA_F

ClientSampleId :

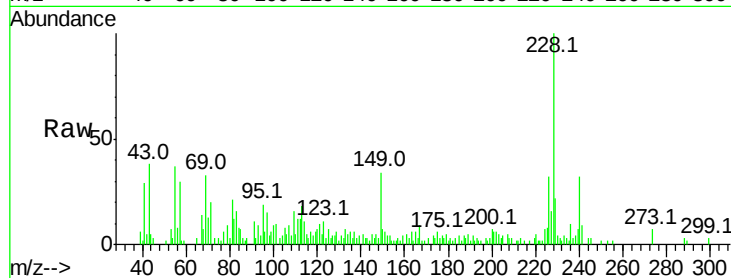
Tot Ion:228 Resp: 28012

Ion Ratio Lower Upper

228 100

226 31.7 22.6 33.8

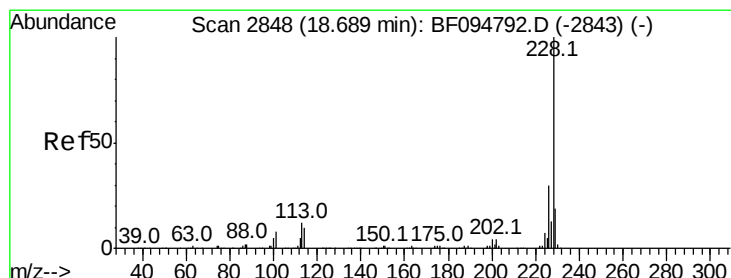
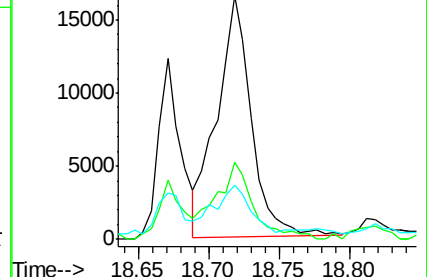
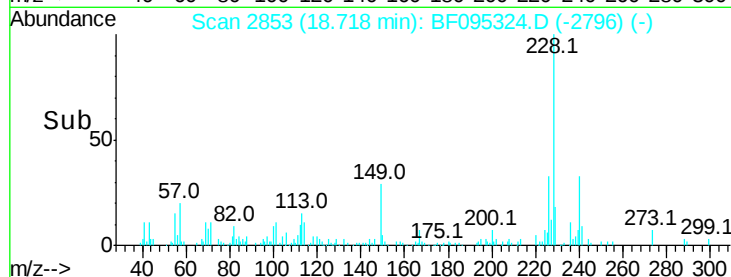
229 22.2 16.3 24.5



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: 2.54 ng

RT: 18.72 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF095324.D

Acq: 22 May 2017 20:34

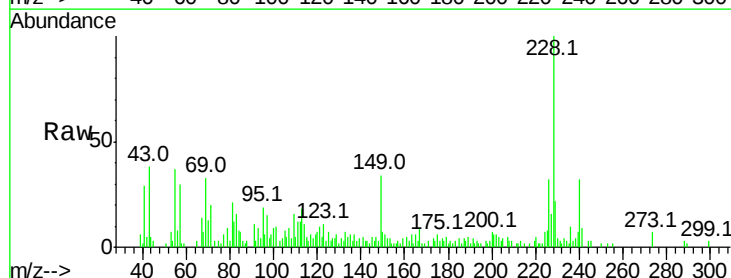
Tgt Ion:228 Resp: 28012

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

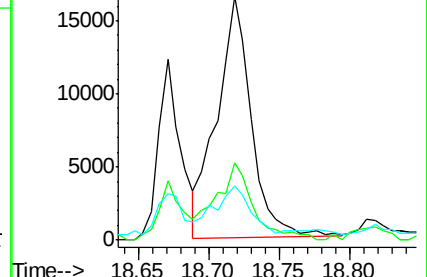
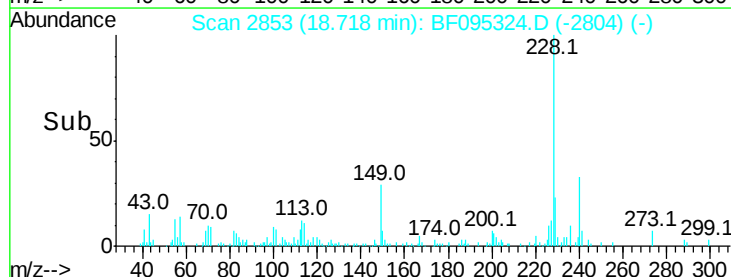
229 22.2 15.8 23.6

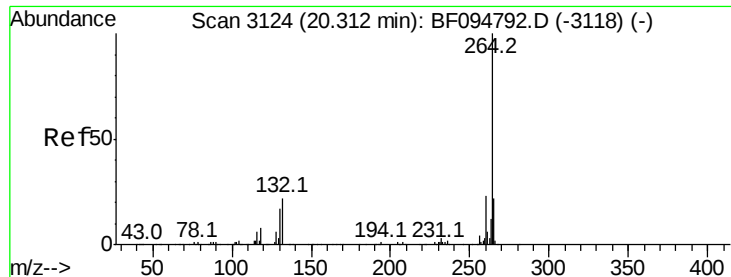


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

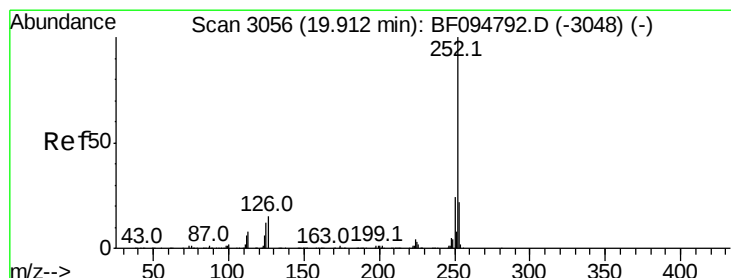
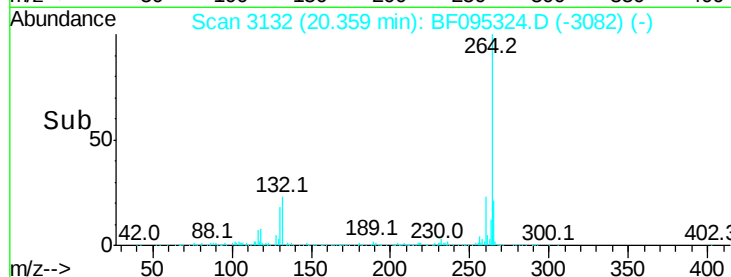
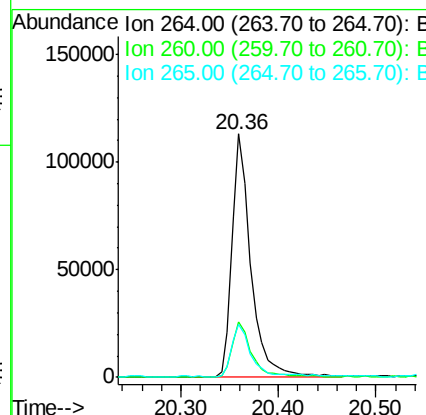
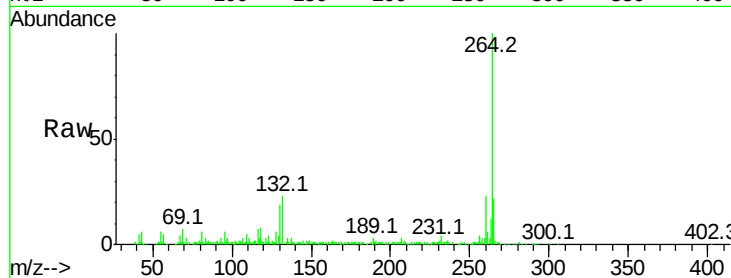




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

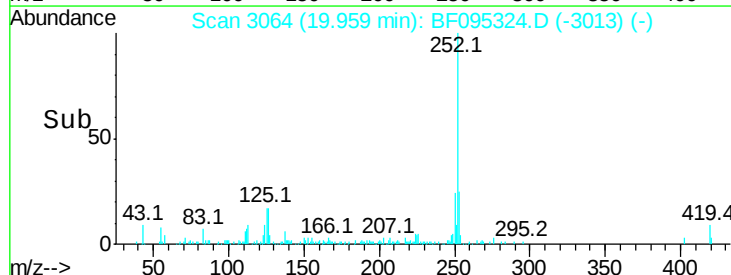
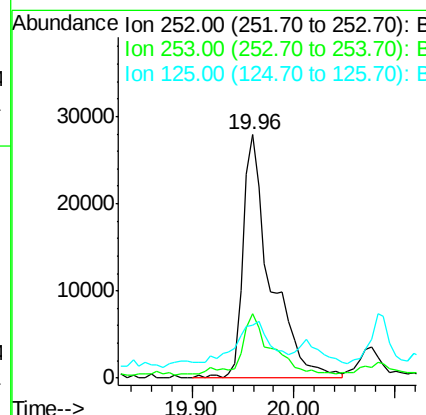
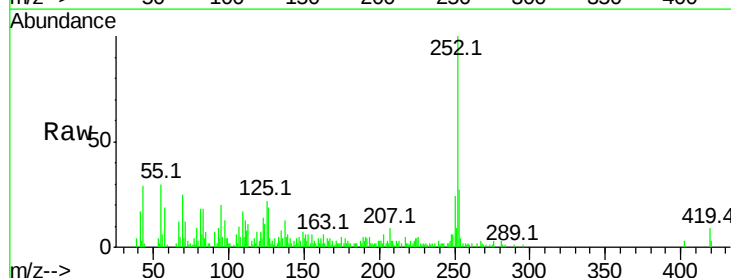
Instrument :
BNA_F
ClientSampleId :

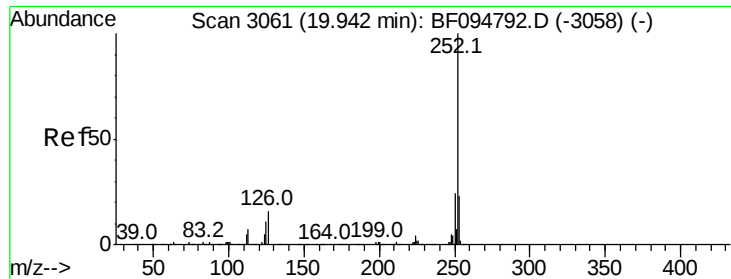
Tot Ion:264 Resp: 153146
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.56 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

Tgt Ion:252 Resp: 52657
Ion Ratio Lower Upper
252 100
253 26.6 18.1 27.1
125 21.7 9.8 14.8#

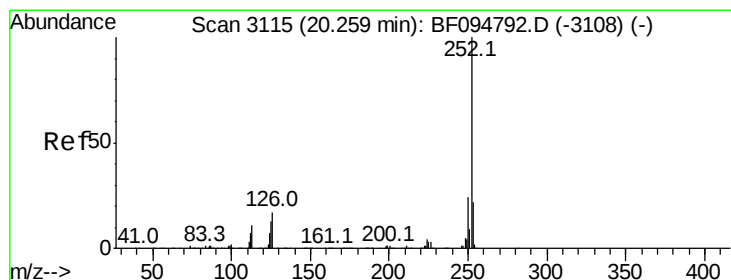
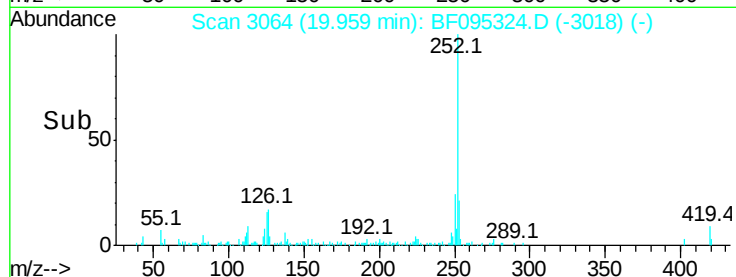
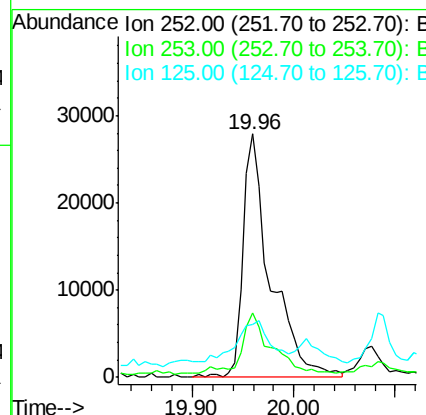
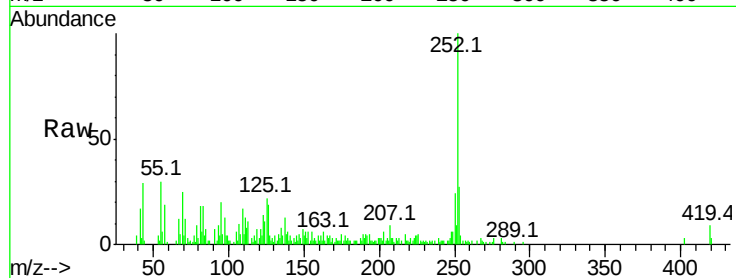




#88
Benzo(k)fluoranthene
Concen: 5.77 ng
RT: 19.96 min Scan# 3064
Delta R.T. -0.03 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.4	27.6
125	21.7	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.00 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095324.D
Acq: 22 May 2017 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.5	26.3
125	30.4	11.0	16.4

