

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095748.D
 Acq On : 7 Jun 2017 16:18
 Operator : SJ/MA
 Sample : I3486-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 04:05:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	84041	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	340018	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	149591	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	241195	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	159537	20.00	ng	-0.02
86) Perylene-d12	20.01	264	141612	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	584126	110.75	ng	-0.01
7) Phenol-d6	6.95	99	698726	110.66	ng	-0.01
23) Nitrobenzene-d5	8.30	82	412399	75.33	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	133080	100.55	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	757879	70.50	ng	-0.02
78) Terphenyl-d14	17.00	244	482016	74.98	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.96	94	13977	2.13	ng	77
19) n-Nitroso-di-n-propylamine	8.30	70	52108	13.02	ng	# 76
49) Dimethylphthalate	11.89	163	155337	13.68	ng	98
74) Fluoranthene	16.44	202	56029	4.07	ng	98
77) Pyrene	16.74	202	53692	4.51	ng	# 94
80) Benzo(a)anthracene	18.33	228	23725	2.56	ng	93
82) Chrysene	18.38	228	25375	2.74	ng	98
87) Benzo(b)fluoranthene	19.62	252	44026	4.97	ng	# 94
88) Benzo(k)fluoranthene	19.62	252	44026	5.19	ng	97
89) Benzo(a)pyrene	19.96	252	23405	2.87	ng	# 95
91) Benzo(g,h,i)perylene	21.53	276	17074	2.42	ng	# 90

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.38 min Scan# 985

Delta R.T. -0.02 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

Instrument :

BNA_F

ClientSampleId :

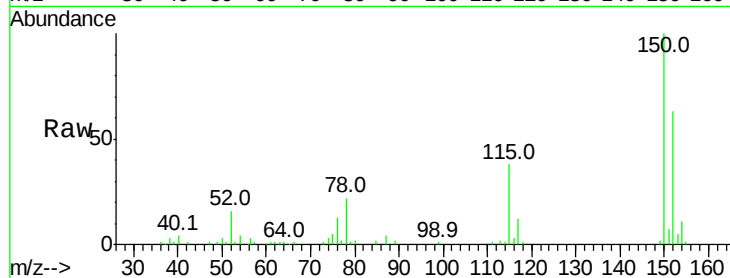
Tot Ion:152 Resp: 84041

Ion Ratio Lower Upper

152 100

150 159.4 126.2 189.2

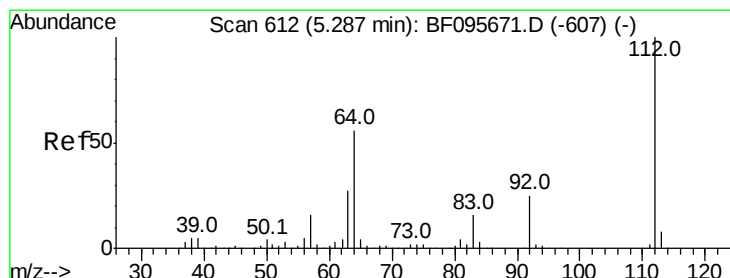
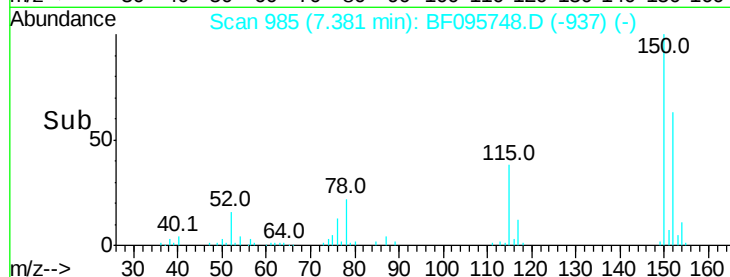
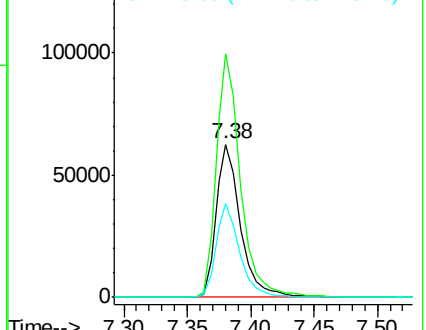
115 61.1 52.2 78.2



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: 110.75 ng

RT: 5.27 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

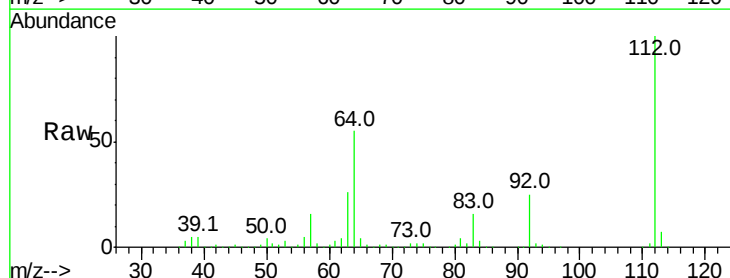
Tgt Ion:112 Resp: 584126

Ion Ratio Lower Upper

112 100

64 54.8 46.0 69.0

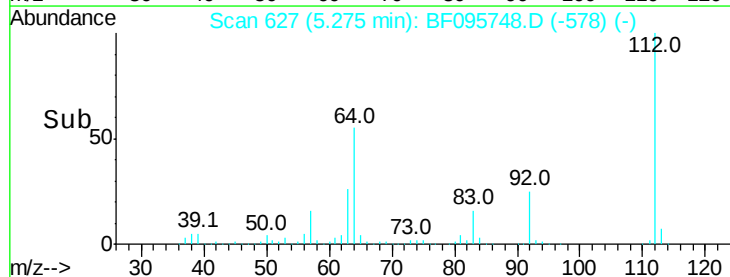
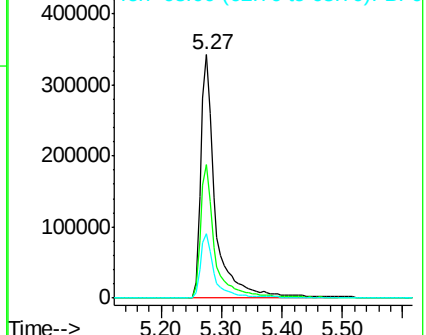
63 26.5 23.4 35.0



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: 110.66 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

Instrument :

BNA_F

ClientSampled :

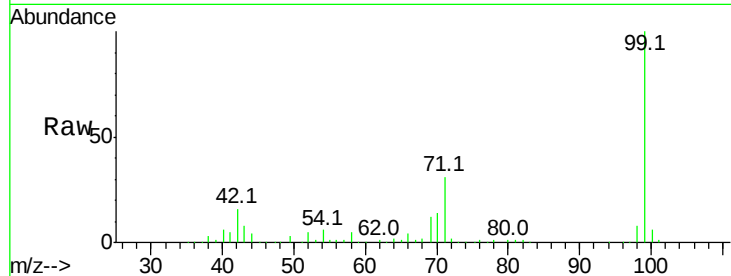
Tot Ion: 99 Resp: 698726

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

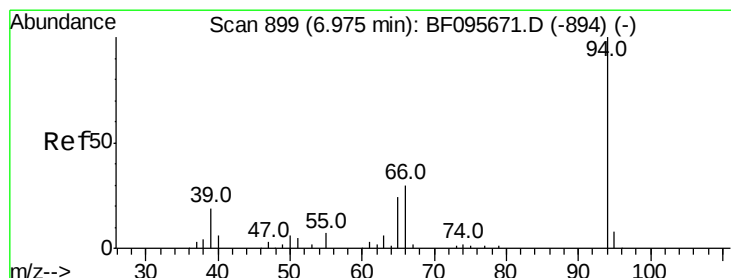
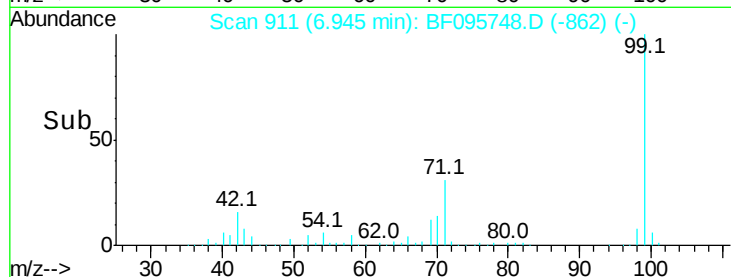
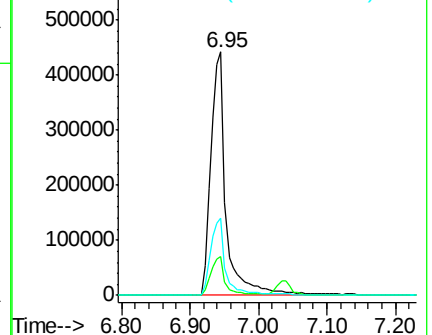
71 31.5 24.5 36.7



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: 2.13 ng

RT: 6.96 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

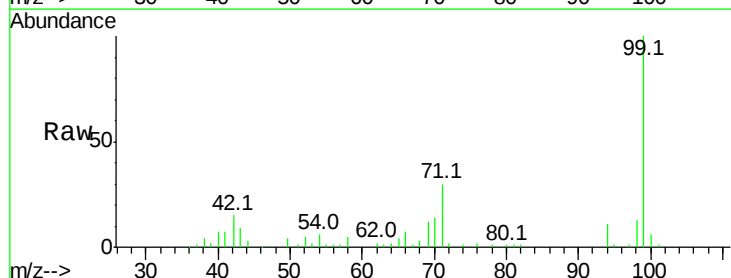
Tgt Ion: 94 Resp: 13977

Ion Ratio Lower Upper

94 100

65 36.5 9.9 49.9

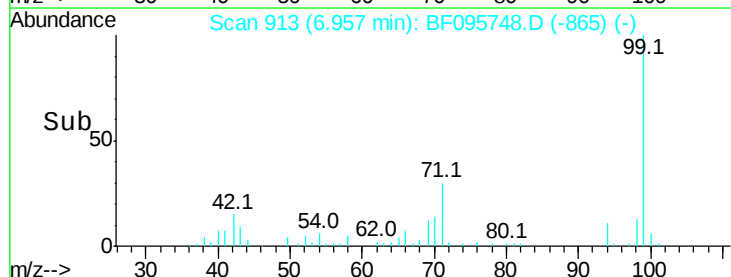
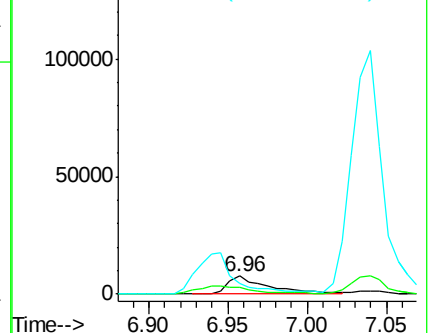
66 62.3 23.1 63.1

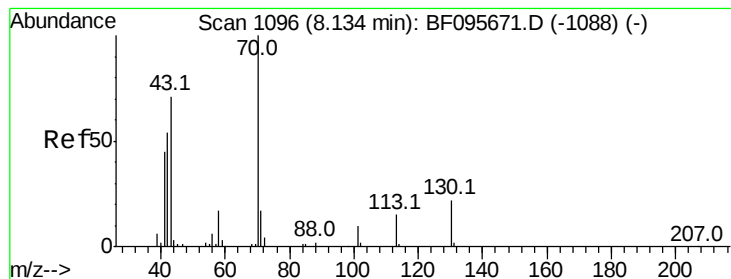


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.02 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 52108

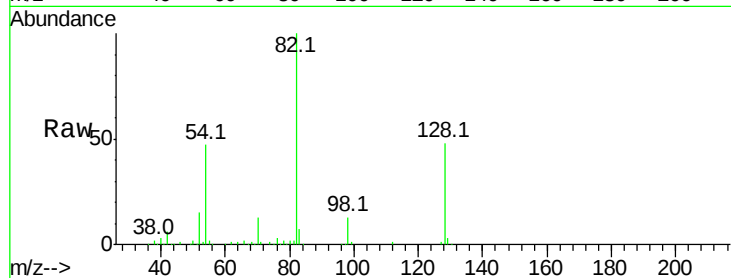
Ion Ratio Lower Upper

70 100

42 45.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

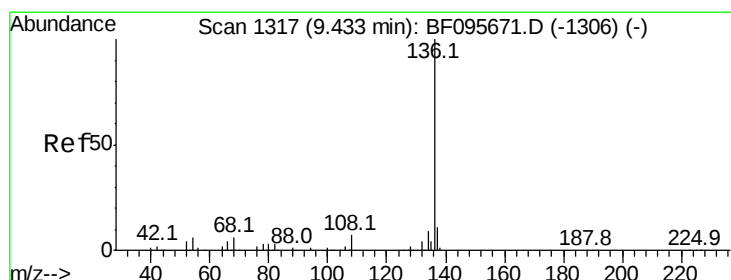
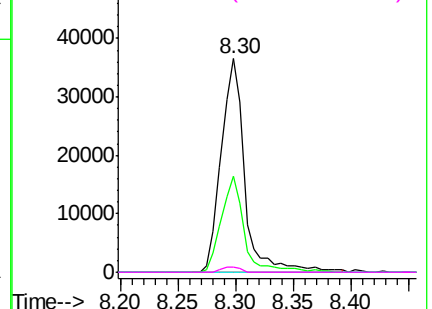
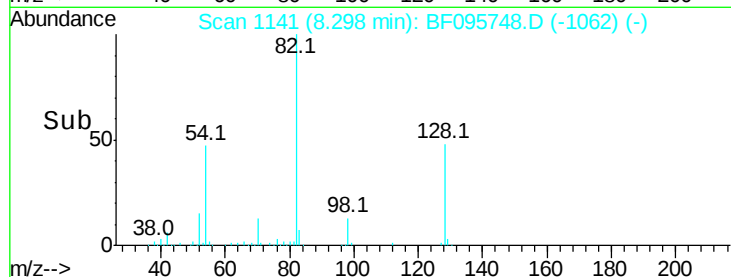


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.41 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

Tgt Ion:136 Resp: 340018

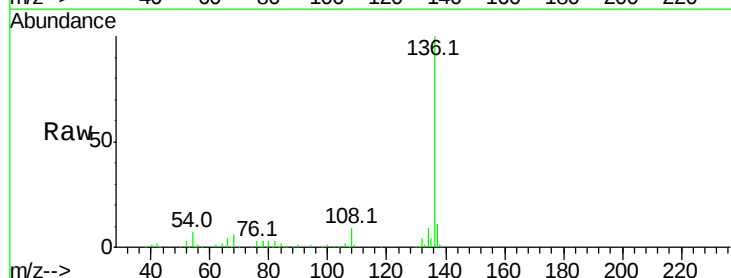
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.6 4.9 7.3

68 6.0 4.1 6.1

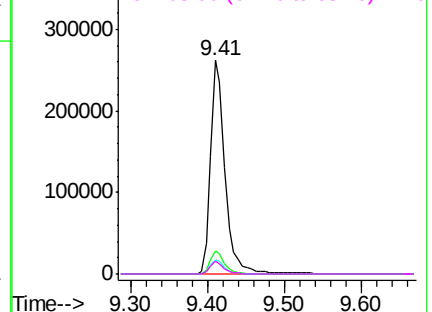
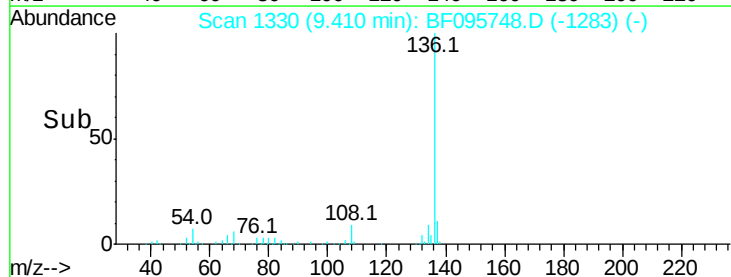


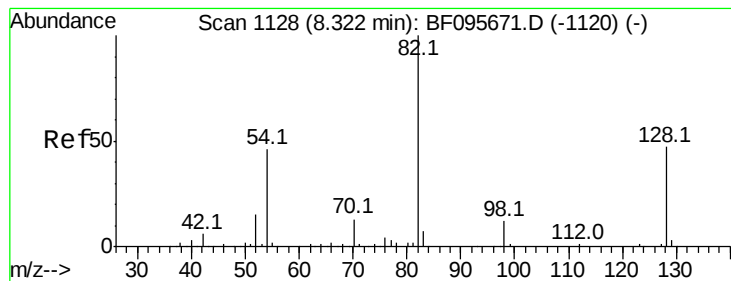
Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.33 ng

RT: 8.30 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

Instrument :

BNA_F

ClientSampleId :

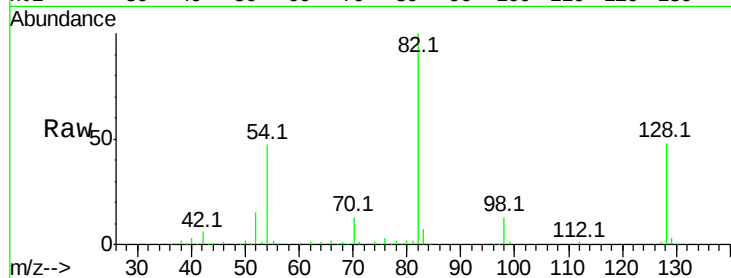
Tot Ion: 82 Resp: 412399

Ion Ratio Lower Upper

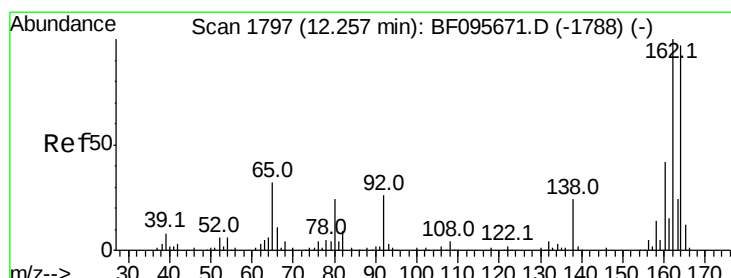
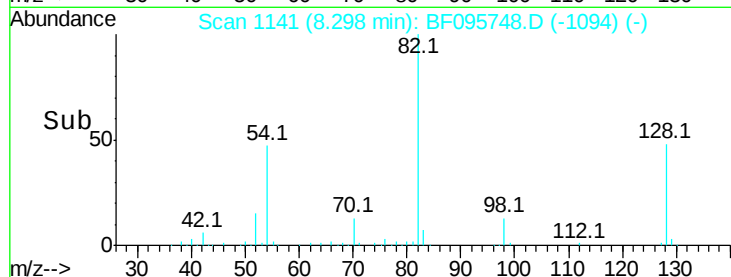
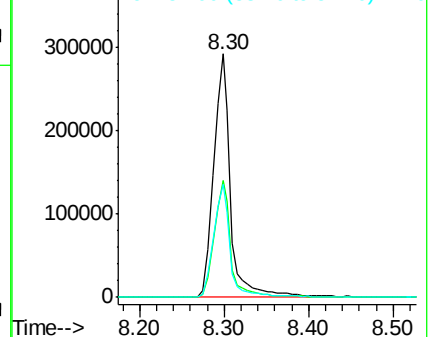
82 100

128 48.1 34.0 51.0

54 46.5 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.23 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

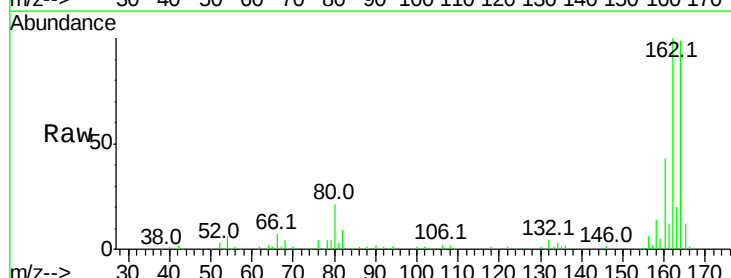
Tgt Ion:164 Resp: 149591

Ion Ratio Lower Upper

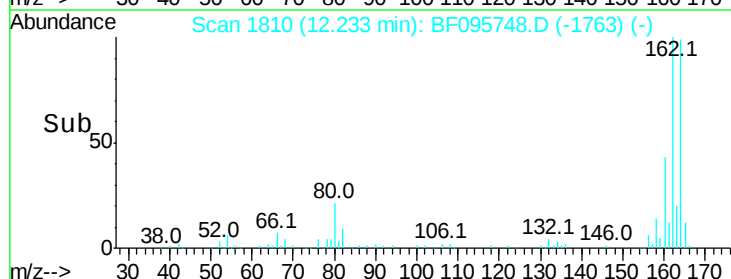
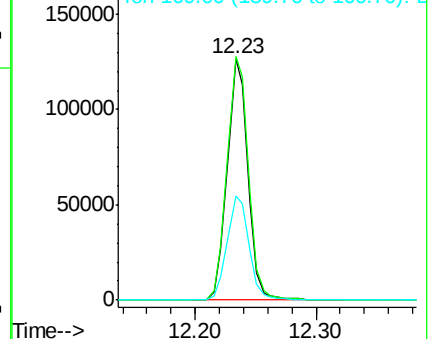
164 100

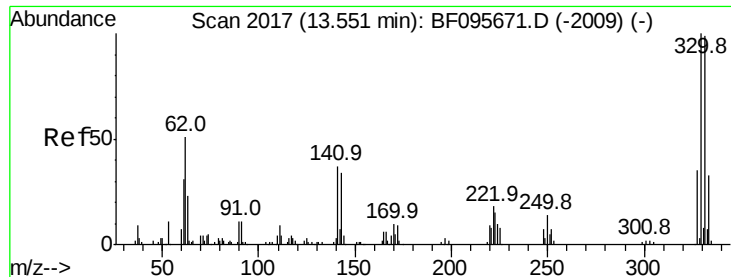
162 100.9 82.6 123.8

160 43.0 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B

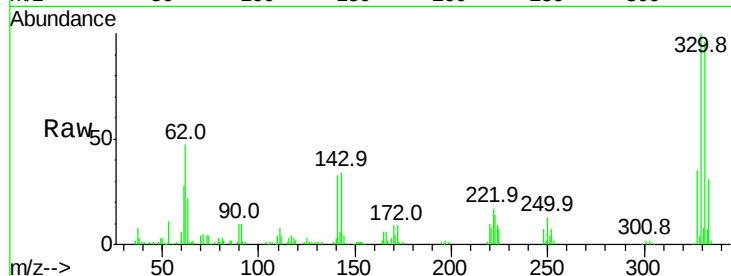




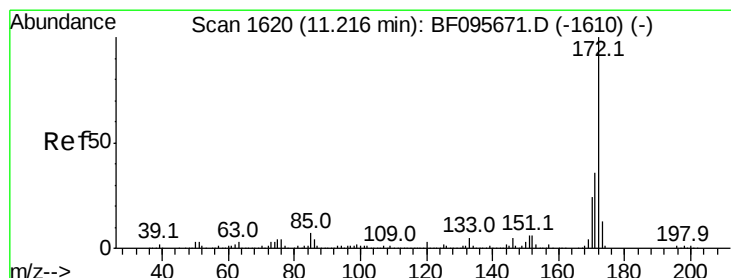
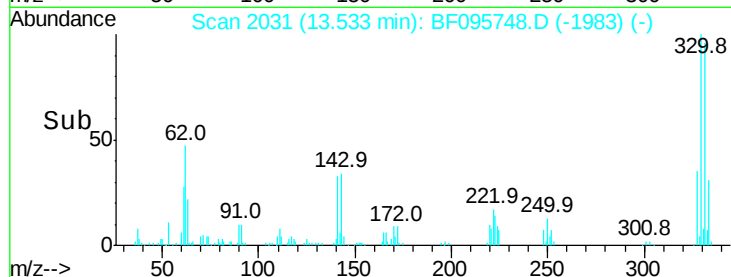
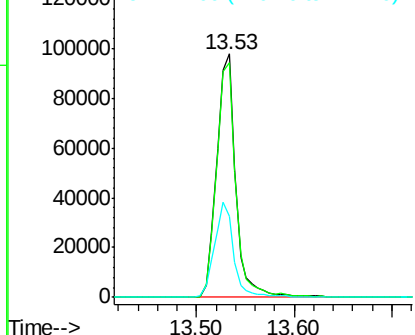
#41
 2,4,6-Tribromophenol
 Concen: 100.55 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095748.D
 Acq: 7 Jun 2017 16:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 133080
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 115.0
 141 38.9 31.4 47.2

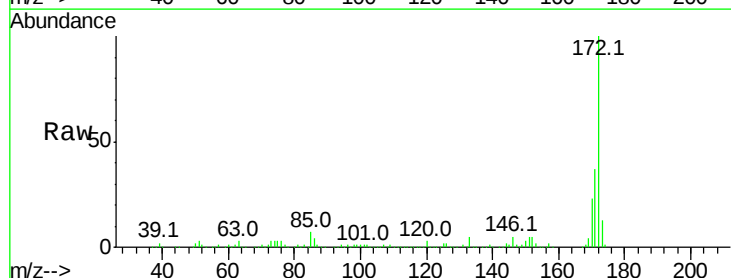


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

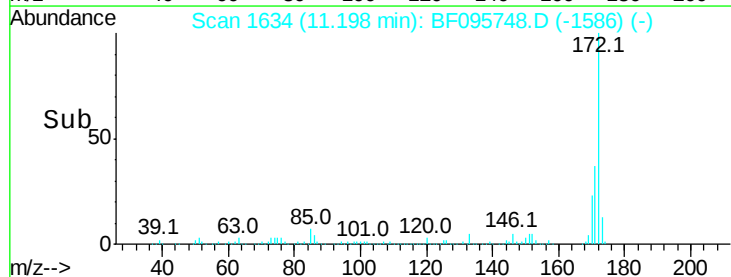
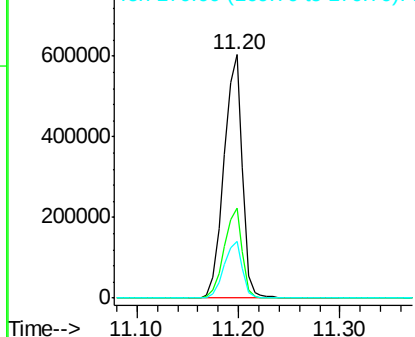


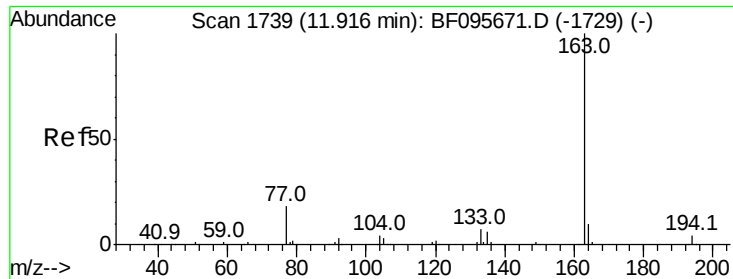
#44
 2-Fluorobiphenyl
 Concen: 70.50 ng
 RT: 11.20 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF095748.D
 Acq: 7 Jun 2017 16:18

Tgt Ion:172 Resp: 757879
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 23.3 19.8 29.8



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

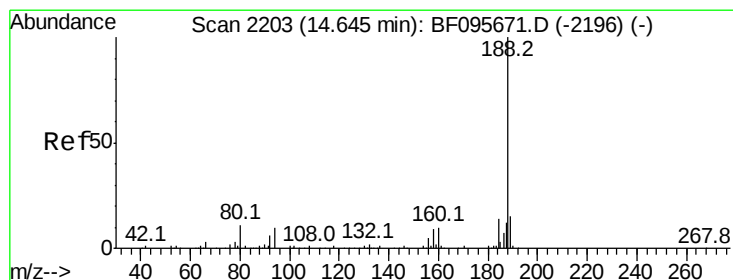
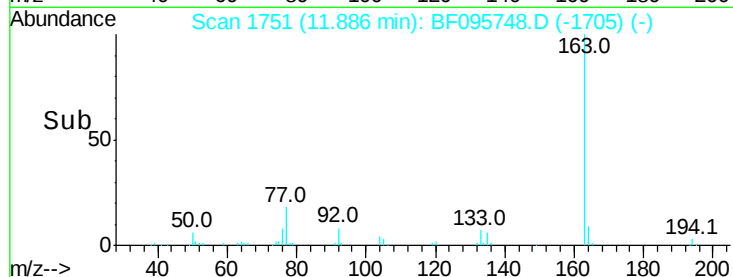
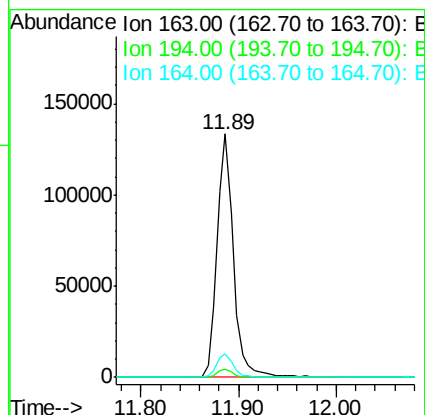
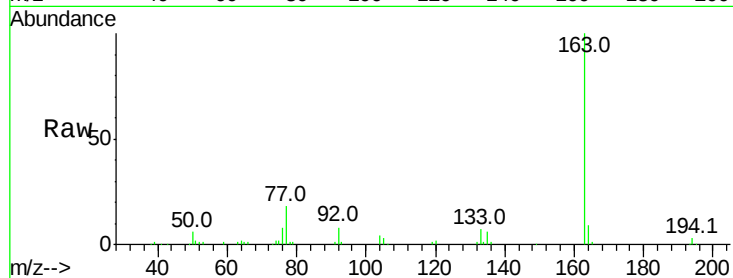




#49
Dimethylphthalate
Concen: 13.68 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095748.D
Acq: 7 Jun 2017 16:18

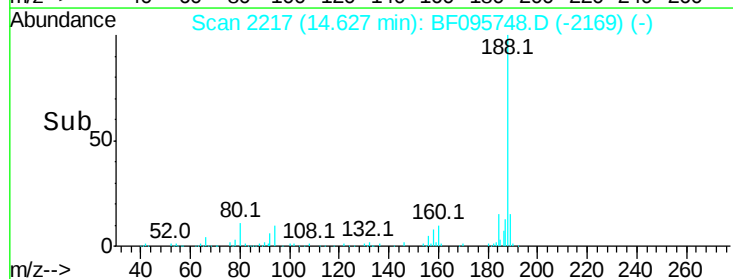
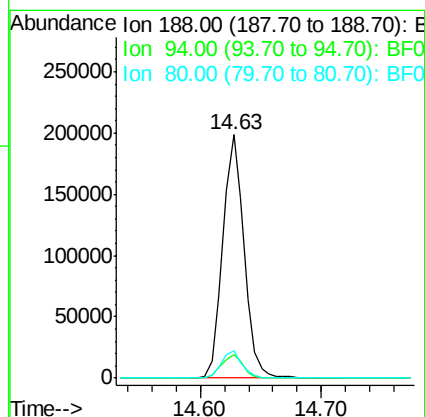
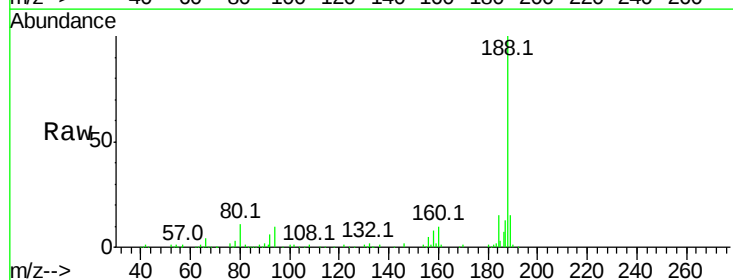
Instrument :
BNA_F
ClientSampleId :

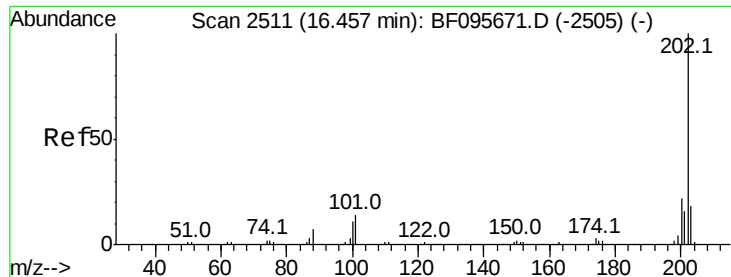
Tot Ion:163 Resp: 155337
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.5 8.4 12.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095748.D
Acq: 7 Jun 2017 16:18

Tgt Ion:188 Resp: 241195
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 11.0 10.2 15.2

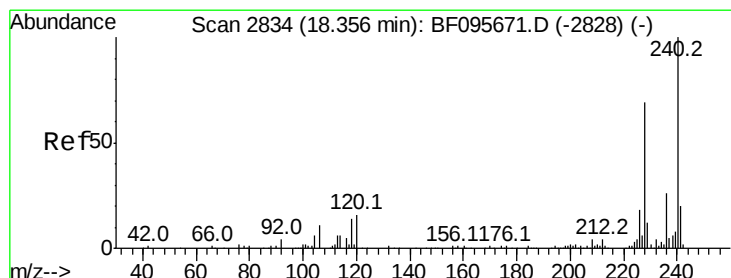
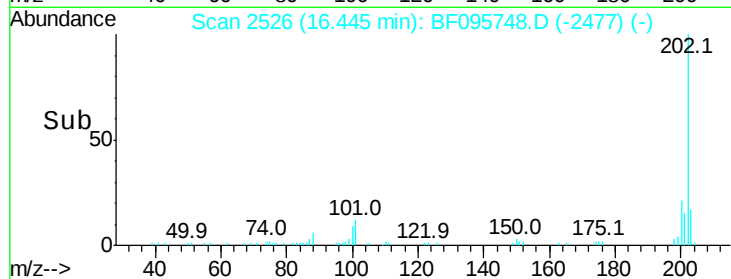
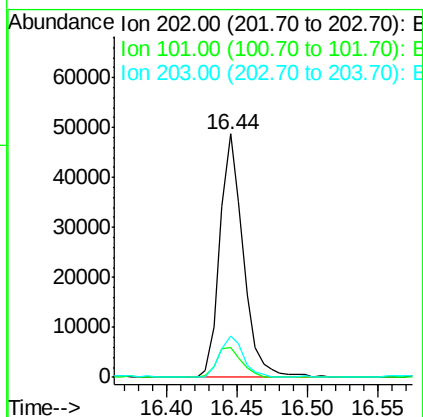
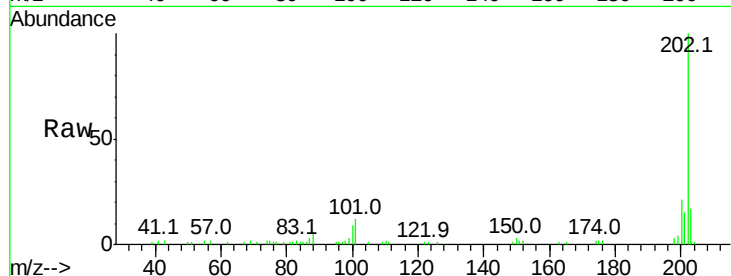




#74
 Fluoranthene
 Concen: 4.07 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095748.D
 Acq: 7 Jun 2017 16:18

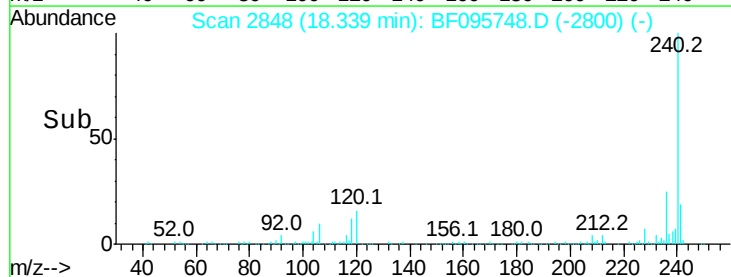
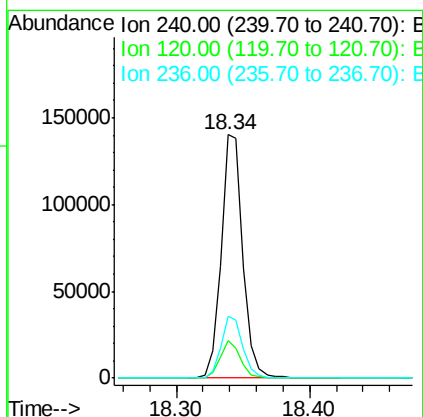
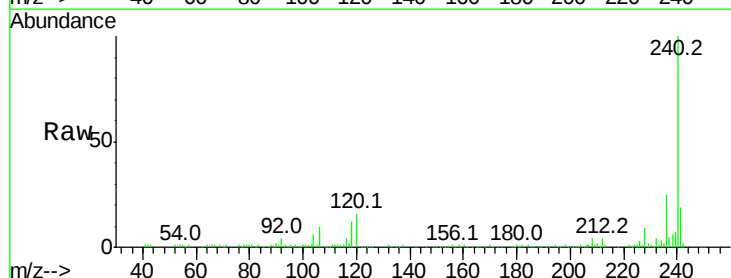
Instrument :
 BNA_F
 ClientSampleId :

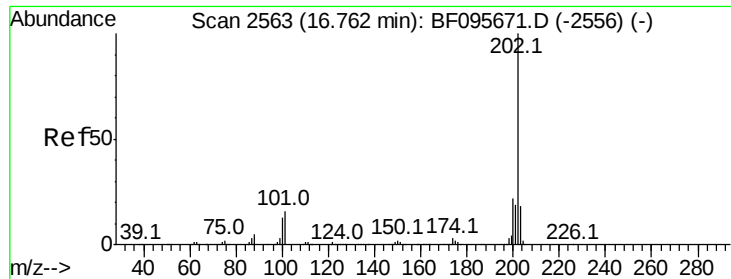
Tot Ion:202 Resp: 56029
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 33.2
 203 17.1 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.34 min Scan# 2848
 Delta R.T. -0.02 min
 Lab File: BF095748.D
 Acq: 7 Jun 2017 16:18

Tgt Ion:240 Resp: 159537
 Ion Ratio Lower Upper
 240 100
 120 15.7 5.8 8.8#
 236 25.2 20.5 30.7

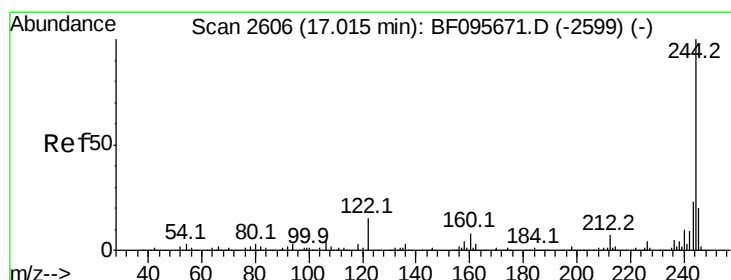
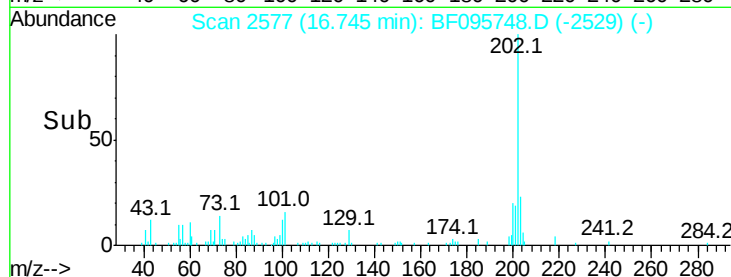
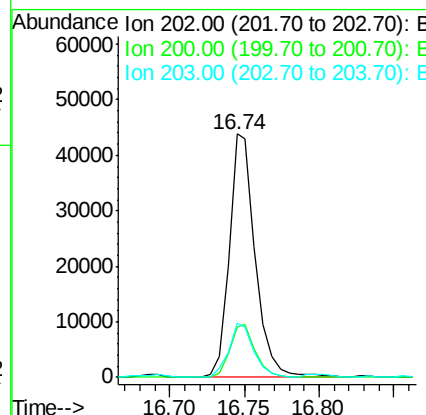
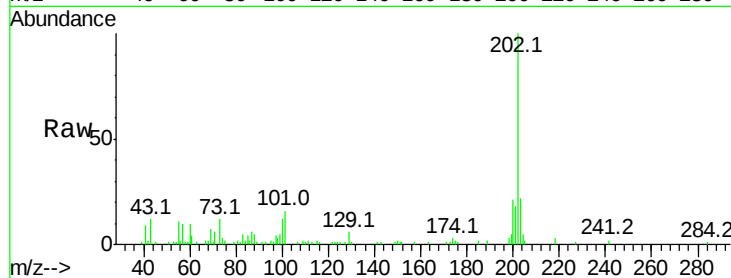




#77
 Pvrene
 Concen: 4.51 ng
 RT: 16.74 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: BF095748.D
 Acq: 7 Jun 2017 16:18

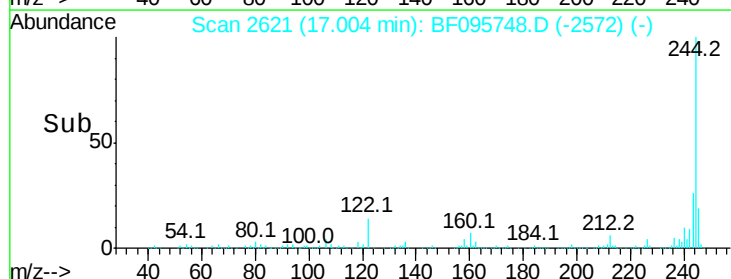
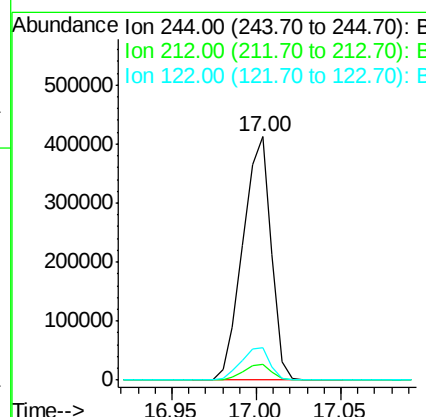
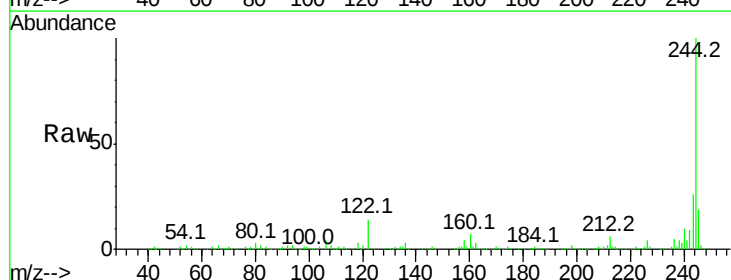
Instrument :
 BNA_F
 ClientSampleId :

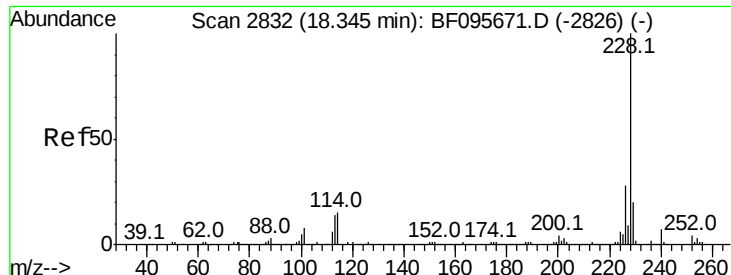
Tot Ion:202 Resp: 53692
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.6 26.4
 203 22.5 14.4 21.6#



#78
 Terphenyl-d14
 Concen: 74.98 ng
 RT: 17.00 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF095748.D
 Acq: 7 Jun 2017 16:18

Tgt Ion:244 Resp: 482016
 Ion Ratio Lower Upper
 244 100
 212 6.3 6.0 9.0
 122 13.5 10.3 15.5





#80

Benzo(a)anthracene

Concen: 2.56 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

Instrument :

BNA_F

ClientSampled :

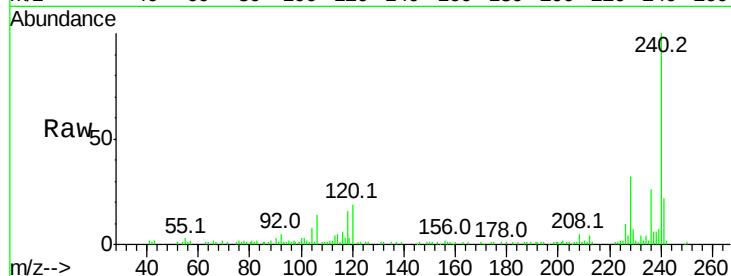
Tot Ion:228 Resp: 23725

Ion Ratio Lower Upper

228 100

226 32.7 22.6 33.8

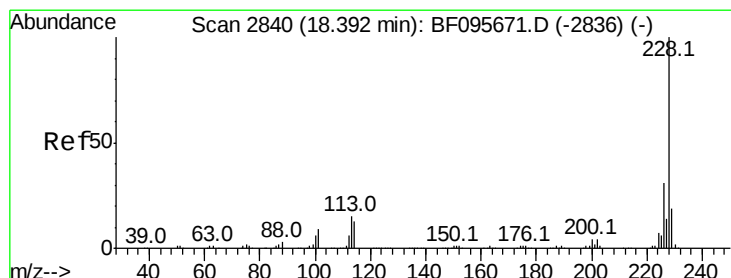
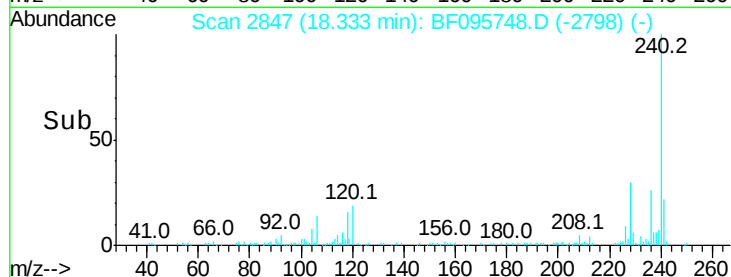
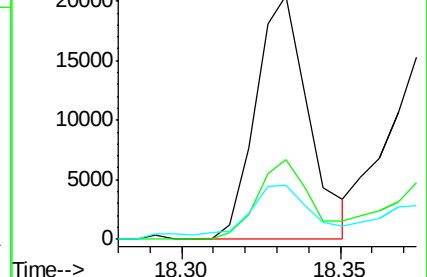
229 22.5 16.3 24.5



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: 2.74 ng

RT: 18.38 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

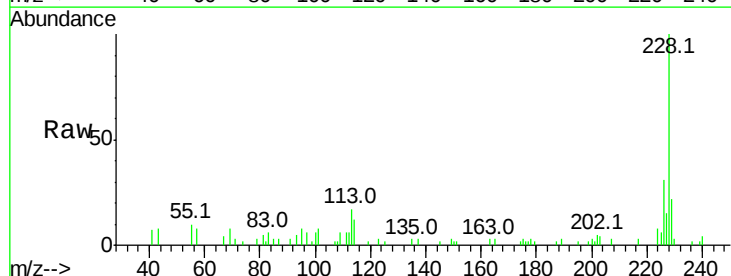
Tgt Ion:228 Resp: 25375

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

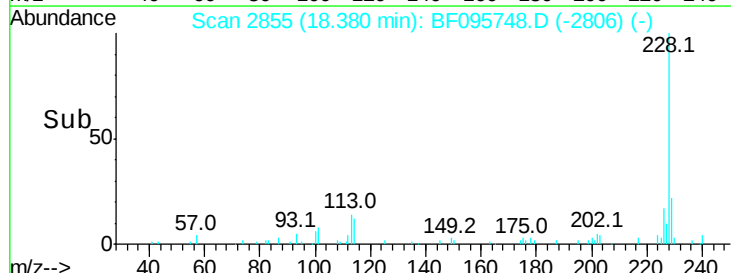
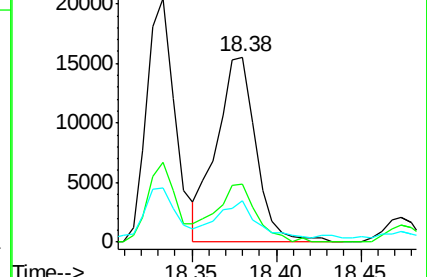
229 22.5 15.8 23.6

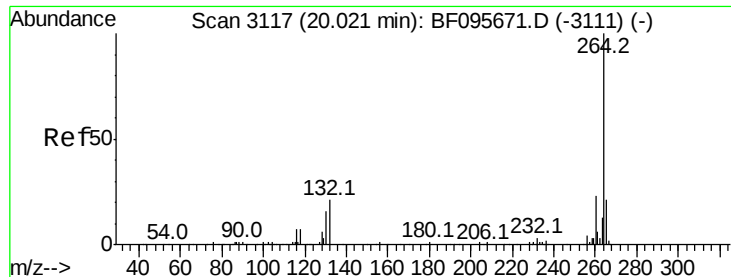


Abundance Ion 228.00 (227.70 to 228.70): E

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: 20.01 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

Instrument :

BNA_F

ClientSampleId :

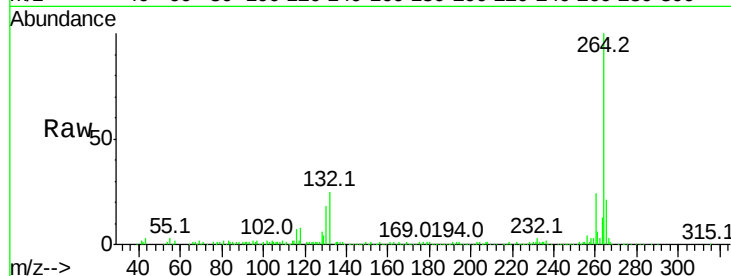
Tot Ion:264 Resp: 141612

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

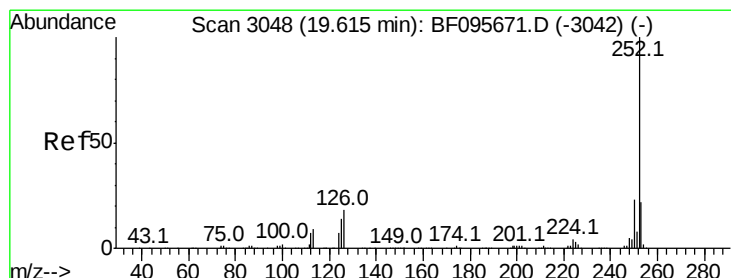
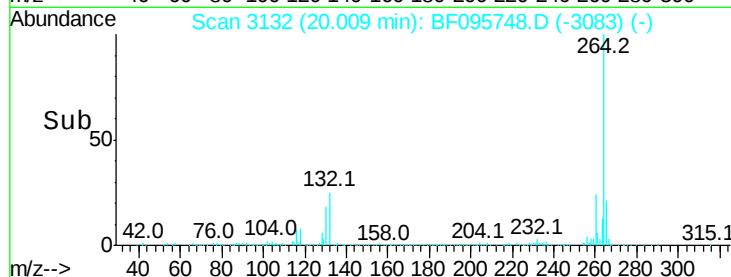
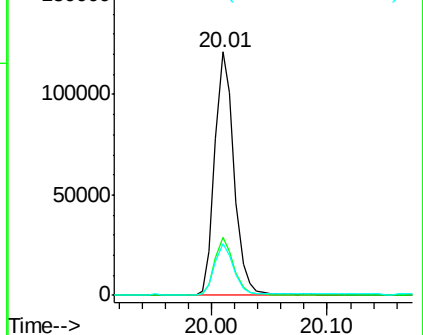
265 21.0 17.2 25.8



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: 4.97 ng

RT: 19.62 min Scan# 3065

Delta R.T. -0.00 min

Lab File: BF095748.D

Acq: 7 Jun 2017 16:18

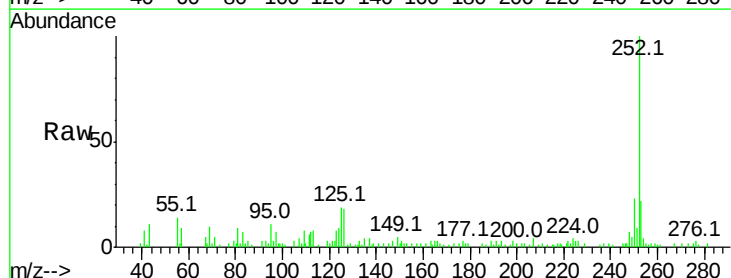
Tgt Ion:252 Resp: 44026

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

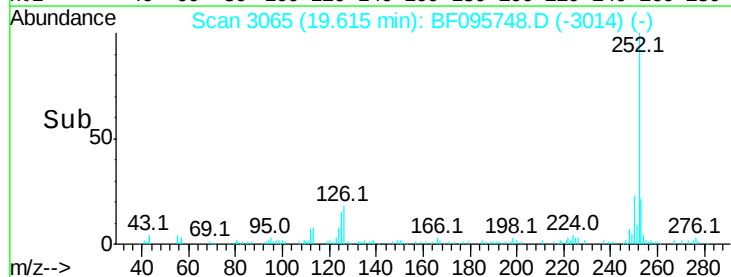
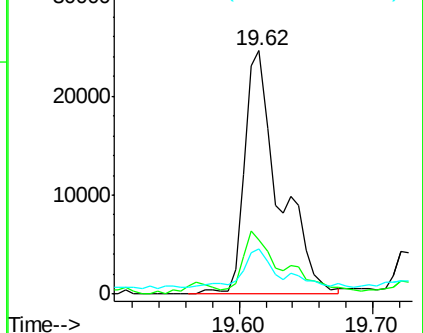
125 18.7 9.8 14.8#

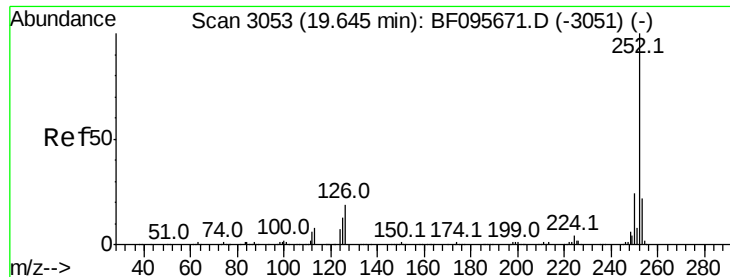


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

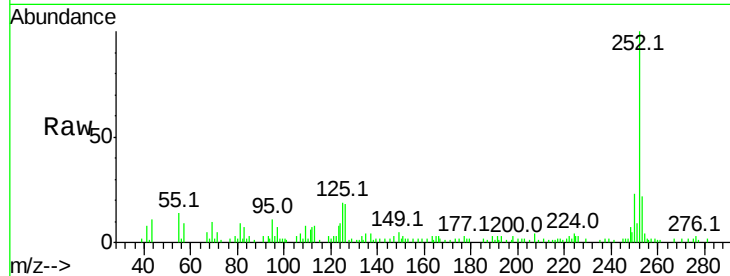




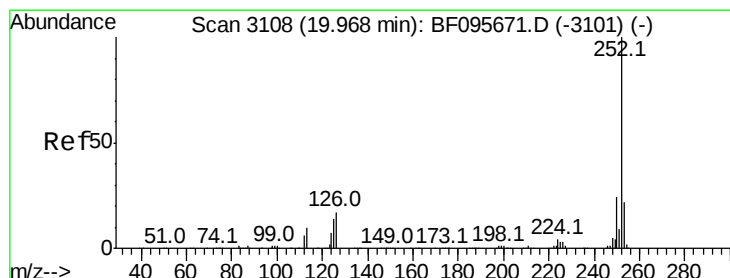
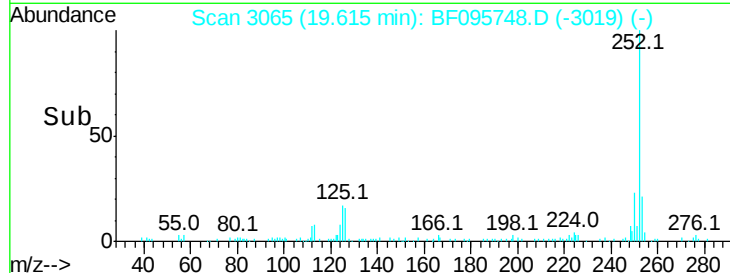
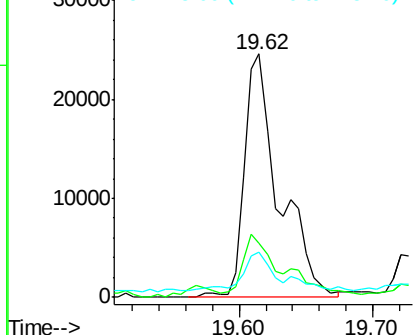
#88
Benzo(k)fluoranthene
Concen: 5.19 ng
RT: 19.62 min Scan# 3065
Delta R.T. -0.03 min
Lab File: BF095748.D
Acq: 7 Jun 2017 16:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	18.7	13.1	19.7

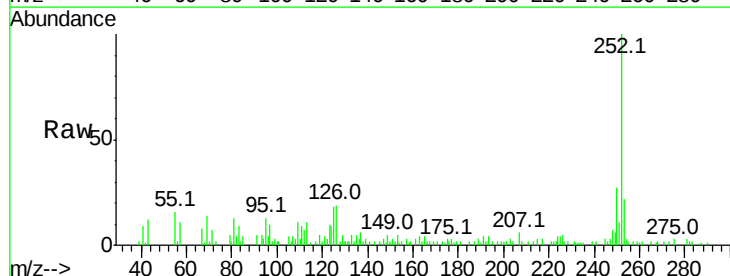


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

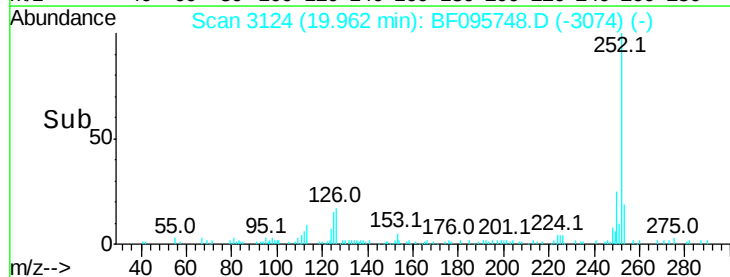
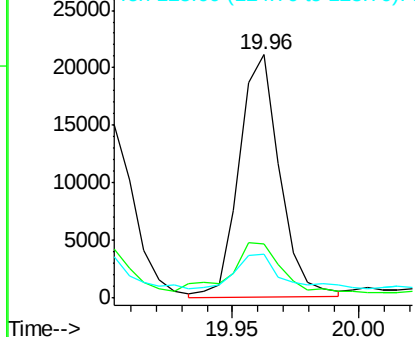


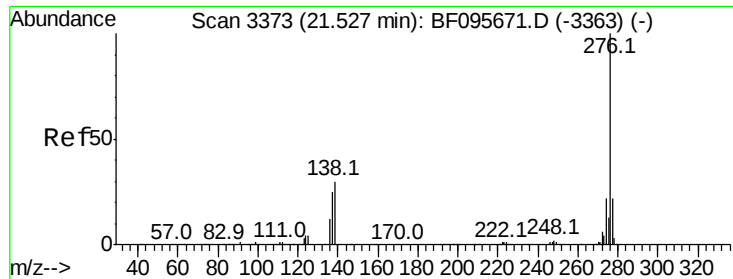
#89
Benzo(a)pyrene
Concen: 2.87 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095748.D
Acq: 7 Jun 2017 16:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	18.2	11.0	16.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

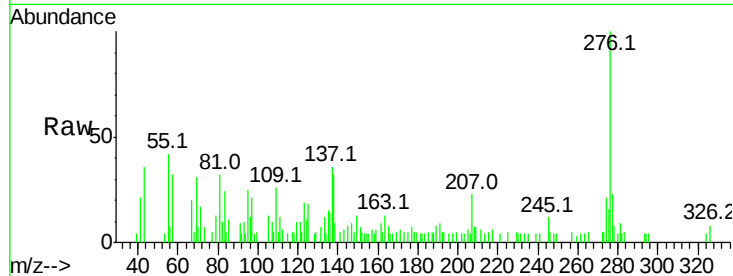




#91
 Benzo(a,h,i)perylene
 Concen: 2.42 ng
 RT: 21.53 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: BF095748.D
 Acq: 7 Jun 2017 16:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 17074
 Ion Ratio Lower Upper
 276 100
 277 23.3 18.6 28.0
 138 41.5 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

