

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095438.D
 Acq On : 25 May 2017 23:04
 Operator : SJ/MA
 Sample : I3200-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 01:15:52 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

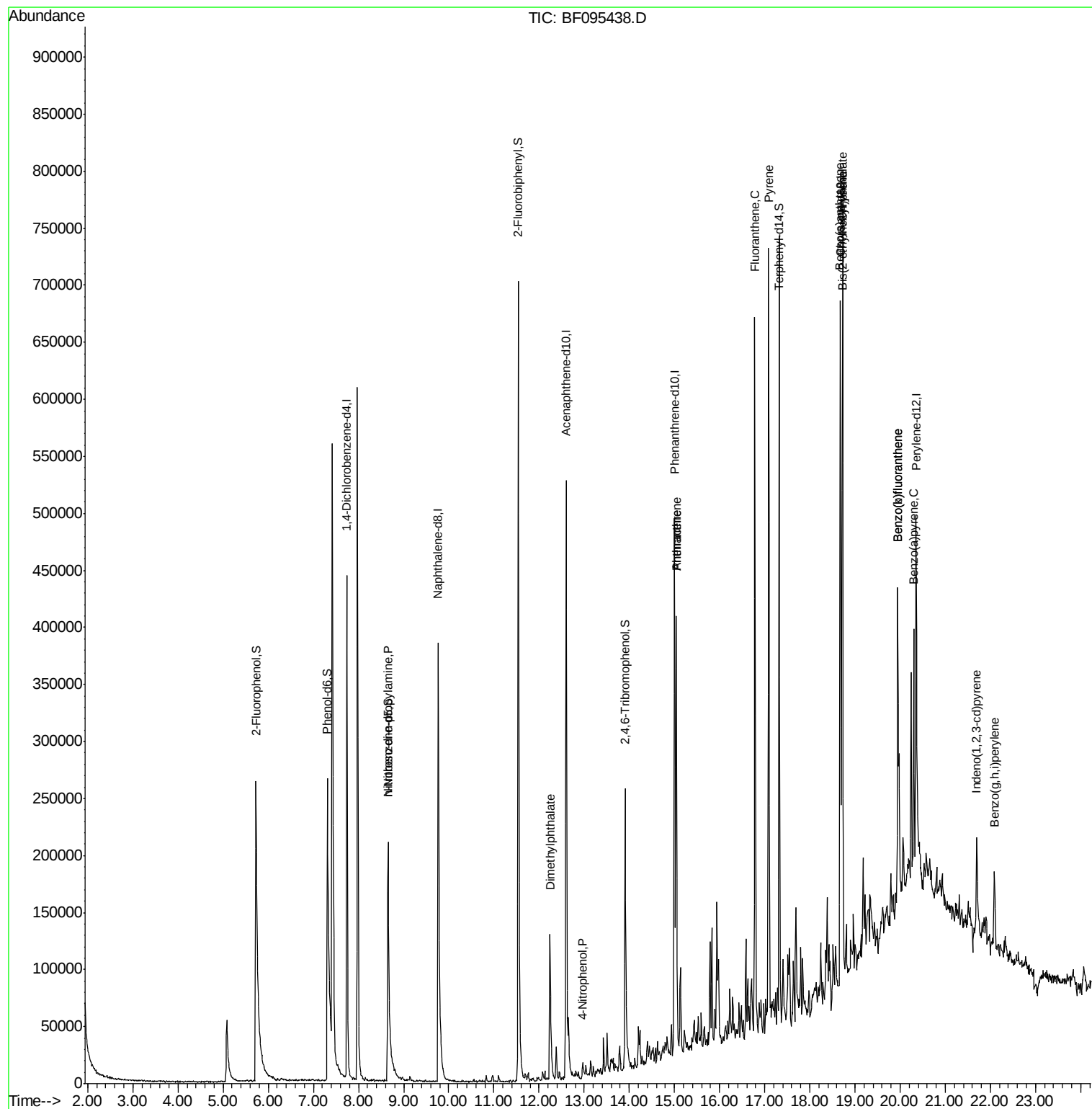
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	102897	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	411596	20.00	ng	-0.02
38) Acenaphthene-d10	12.60	164	172591	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	264476	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	203835	20.00	ng	-0.02
86) Perylene-d12	20.36	264	158833	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	279987	45.37	ng	-0.01
7) Phenol-d6	7.31	99	352935	47.66	ng	0.00
23) Nitrobenzene-d5	8.65	82	194214	29.75	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	51979	36.77	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	444709	37.09	ng	-0.02
78) Terphenyl-d14	17.32	244	265482	28.69	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.65	70	20654	4.12	ng	# 75
49) Dimethylphthalate	12.24	163	117338	8.28	ng	97
55) 4-Nitrophenol	12.96	139	3796	2.04	ng	# 25
70) Phenanthrene	15.04	178	227066	14.94	ng	98
71) Anthracene	15.04	178	227066	14.63	ng	98
74) Fluoranthene	16.78	202	338968	21.75	ng	98
77) Pyrene	17.09	202	333140	21.85	ng	96
80) Benzo(a)anthracene	18.67	228	137397	11.58	ng	98
82) Chrysene	18.71	228	141692	12.35	ng	98
83) Bis(2-ethylhexyl)phthalate	18.72	149	192985	19.10	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.70	276	53652	5.76	ng	90
87) Benzo(b)fluoranthene	19.95	252	196479	20.02	ng	# 97
88) Benzo(k)fluoranthene	19.95	252	196479	20.75	ng	98
89) Benzo(a)pyrene	20.30	252	97614	10.78	ng	93
91) Benzo(a,h,i)perylene	22.09	276	53995	7.36	ng	# 93

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

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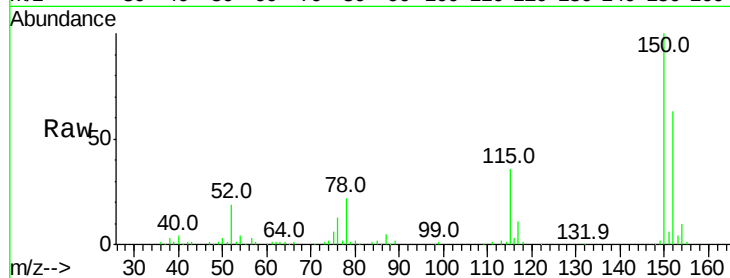


#1

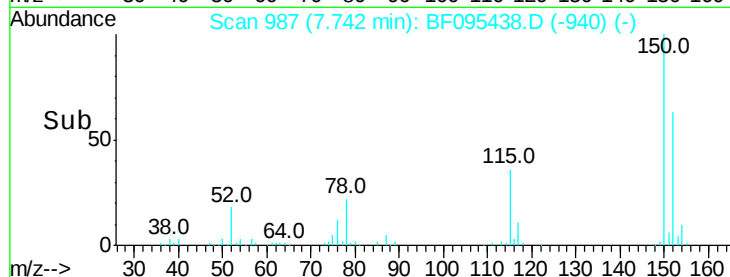
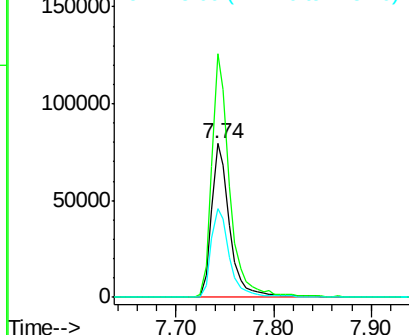
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102897
Ion Ratio Lower Upper
152 100
150 158.3 126.2 189.2
115 57.5 52.2 78.2



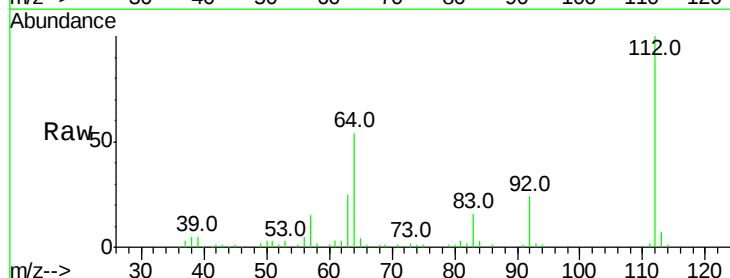
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



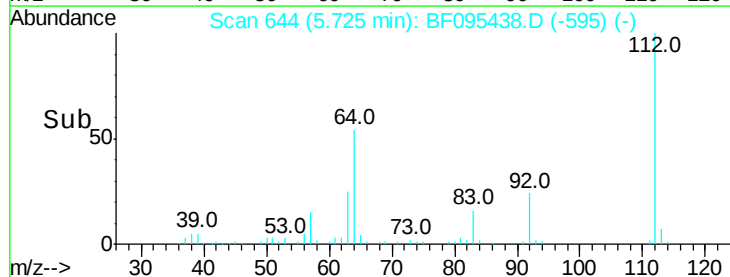
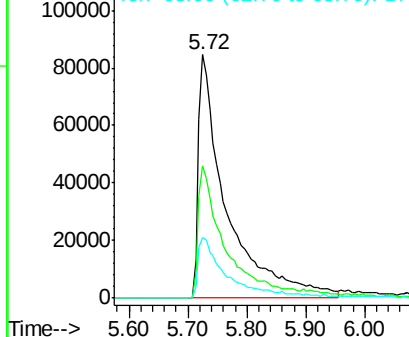
#5

2-Fluorophenol
Concen: 45.37 ng
RT: 5.72 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Tgt Ion:112 Resp: 279987
Ion Ratio Lower Upper
112 100
64 54.5 46.0 69.0
63 25.0 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: 47.66 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095438.D

Acq: 25 May 2017 23:04

Instrument :

BNA_F

ClientSampled :

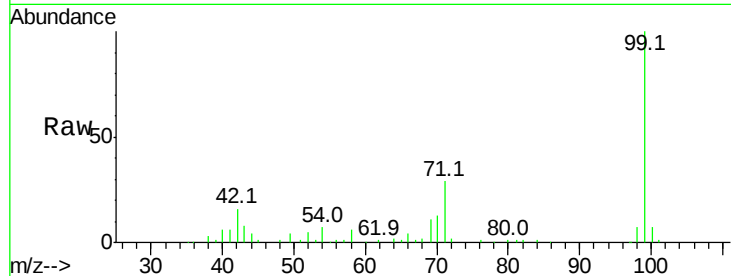
Tot Ion: 99 Resp: 352935

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

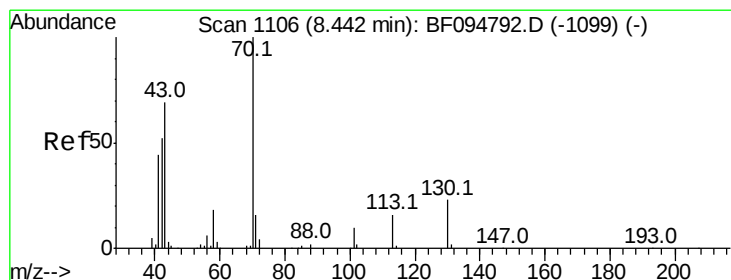
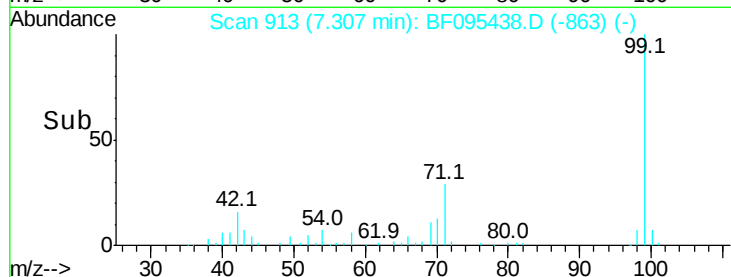
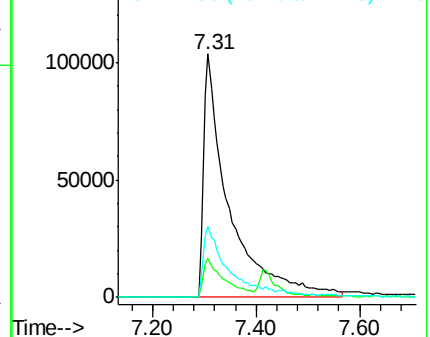
71 29.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 4.12 ng

RT: 8.65 min Scan# 1142

Delta R.T. 0.18 min

Lab File: BF095438.D

Acq: 25 May 2017 23:04

Tgt Ion: 70 Resp: 20654

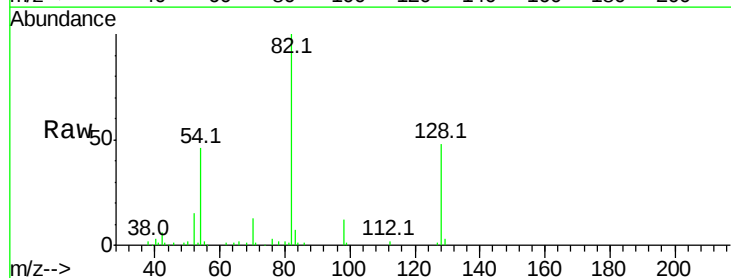
Ion Ratio Lower Upper

70 100

42 44.9 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

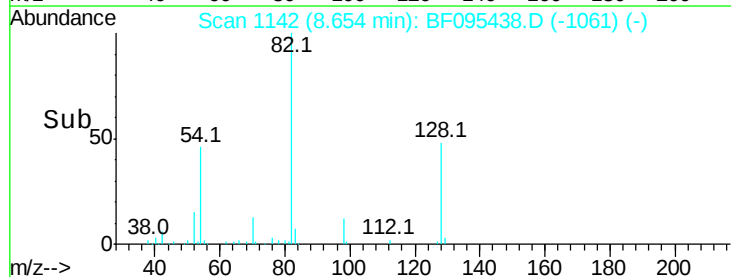
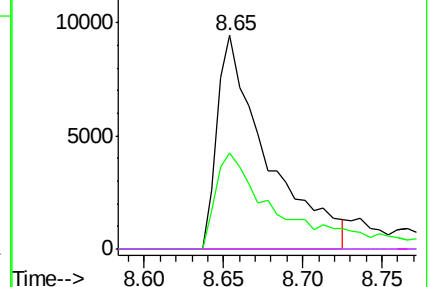


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

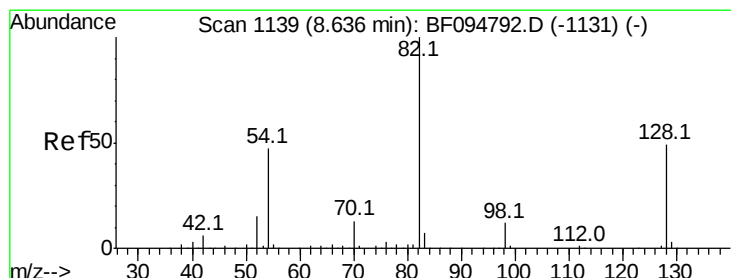
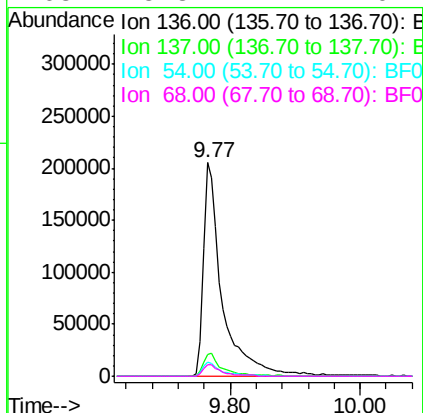
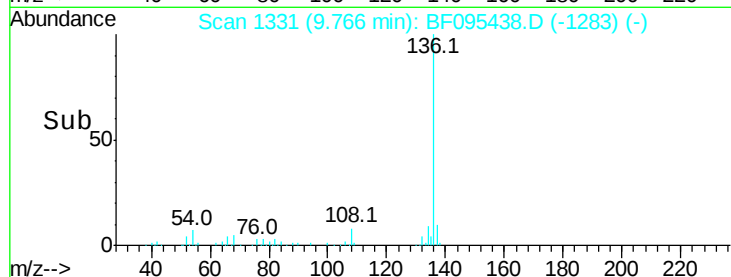
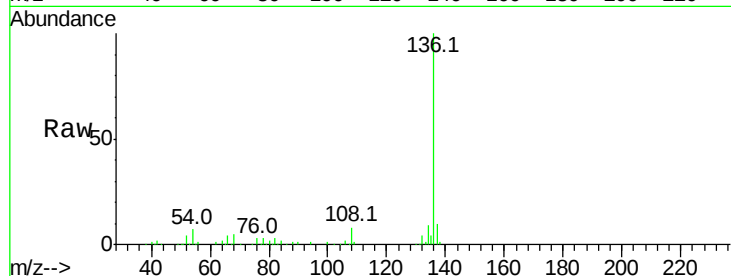




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

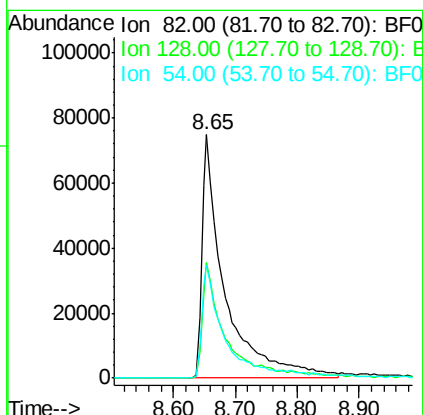
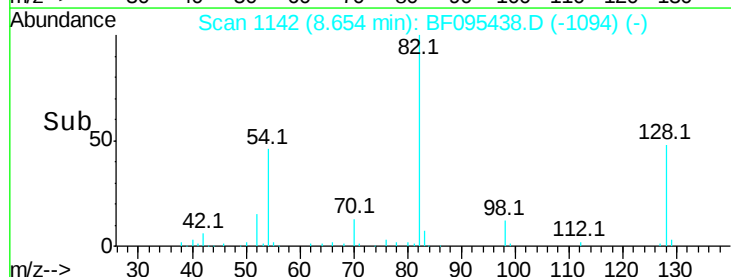
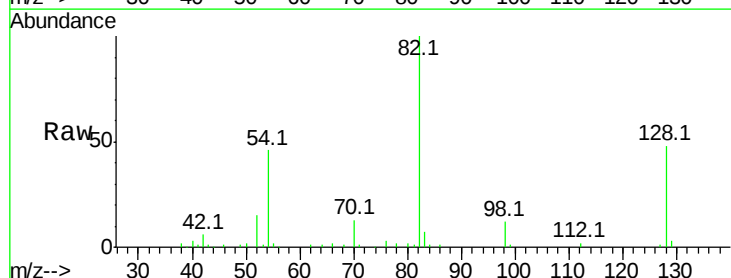
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	411596
Ion Ratio	Lower	Upper
136	100	
137	10.1	8.5 12.7
54	6.7	4.9 7.3
68	5.3	4.1 6.1



#23
Nitrobenzene-d5
Concen: 29.75 ng
RT: 8.65 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Tgt Ion: 82	Resp:	194214
Ion Ratio	Lower	Upper
82	100	
128	47.6	34.0 51.0
54	46.5	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.60 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF095438.D

Acq: 25 May 2017 23:04

Instrument :

BNA_F

ClientSampleId :

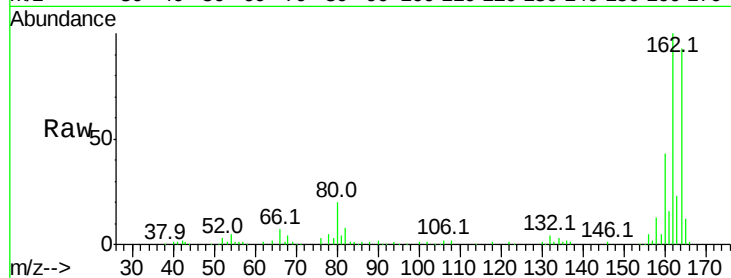
Tot Ion:164 Resp: 172591

Ion Ratio Lower Upper

164 100

162 107.1 82.6 123.8

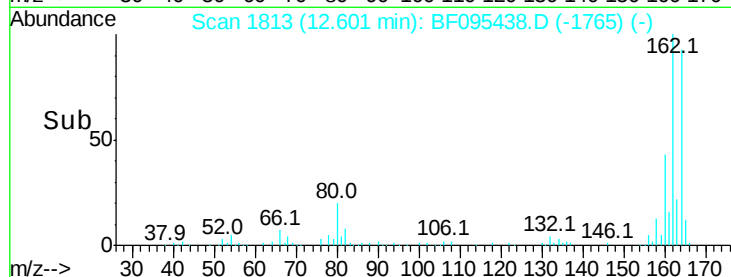
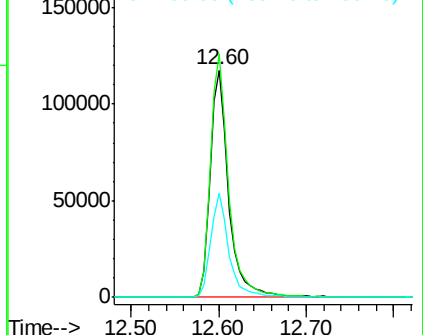
160 46.0 36.2 54.2



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: 36.77 ng

RT: 13.91 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF095438.D

Acq: 25 May 2017 23:04

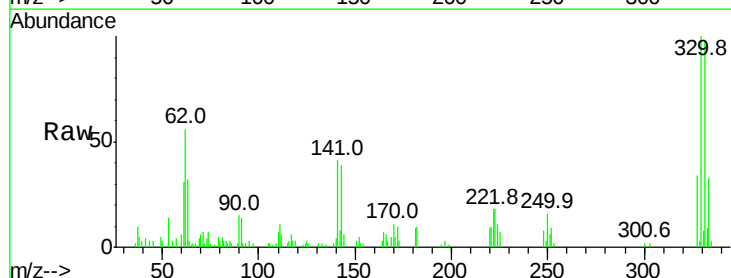
Tgt Ion:330 Resp: 51979

Ion Ratio Lower Upper

330 100

332 97.8 76.6 115.0

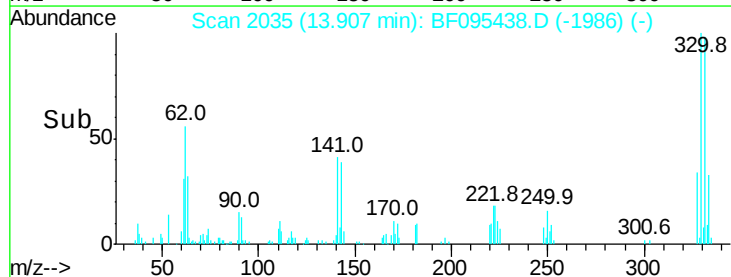
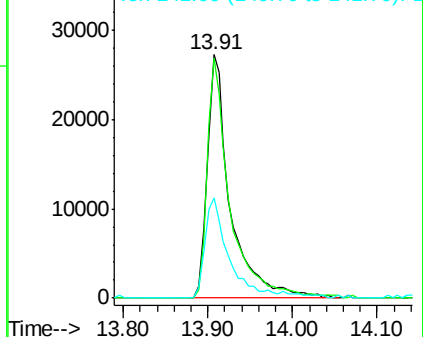
141 41.7 31.4 47.2



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

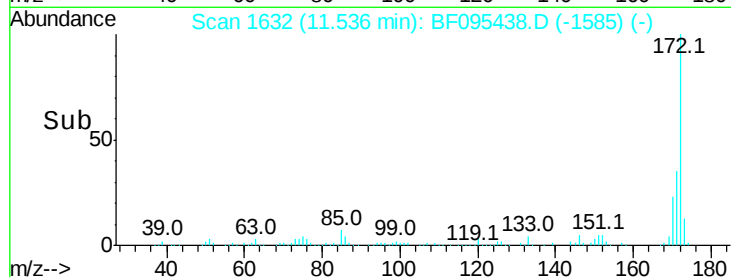
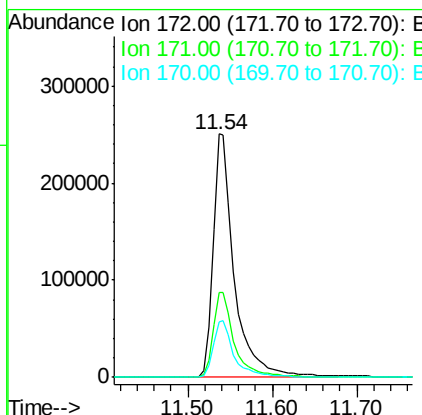
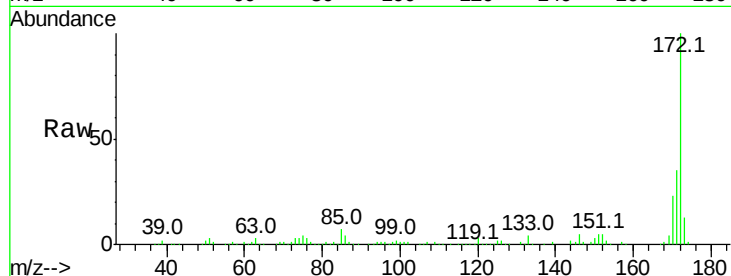




#44
2-Fluorobiphenyl
Concen: 37.09 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.02 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

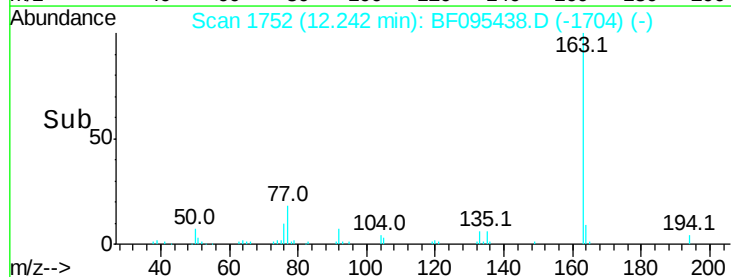
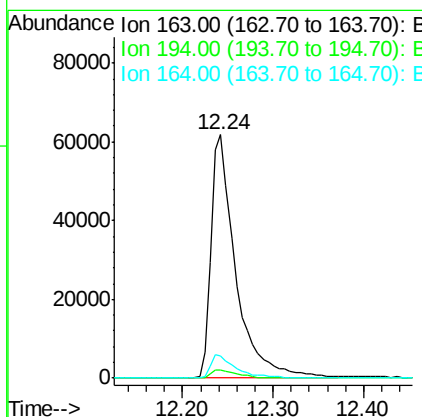
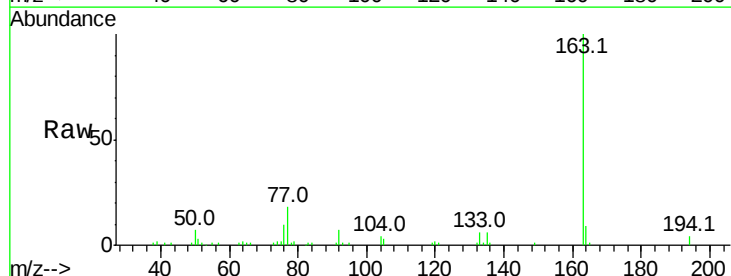
Instrument :
BNA_F
ClientSampleId :

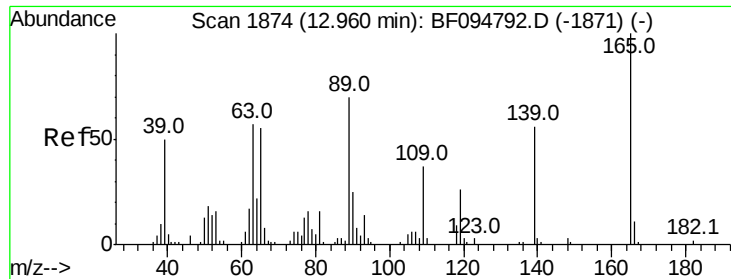
Tot Ion:172 Resp: 444709
Ion Ratio Lower Upper
172 100
171 35.1 29.6 44.4
170 22.8 19.8 29.8



#49
Dimethylphthalate
Concen: 8.28 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Tgt Ion:163 Resp: 117338
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.3 8.4 12.6

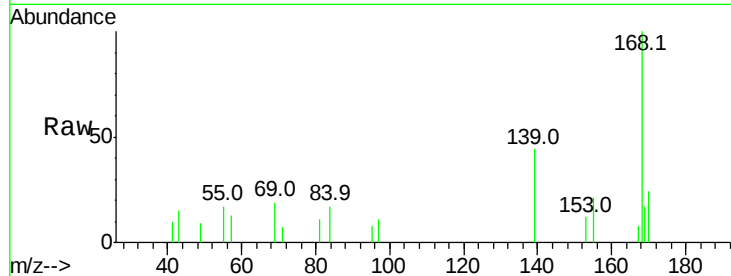




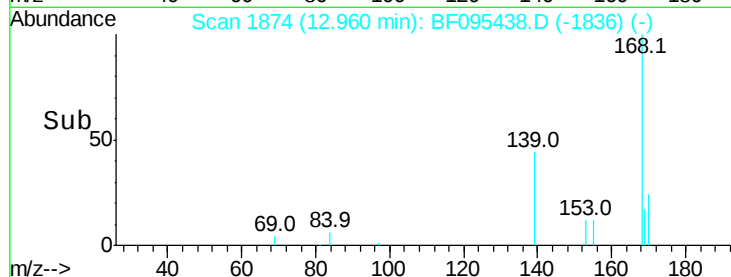
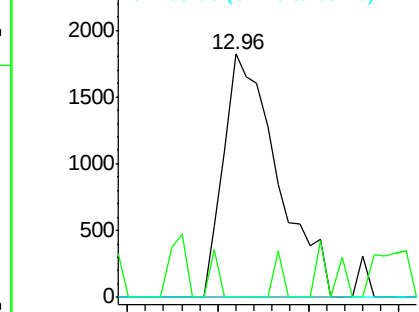
#55
4-Nitrophenol
Concen: 2.04 ng
RT: 12.96 min Scan# 1874
Delta R.T. -0.08 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 3796
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

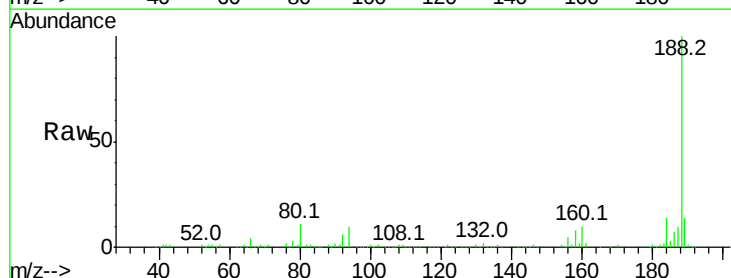


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

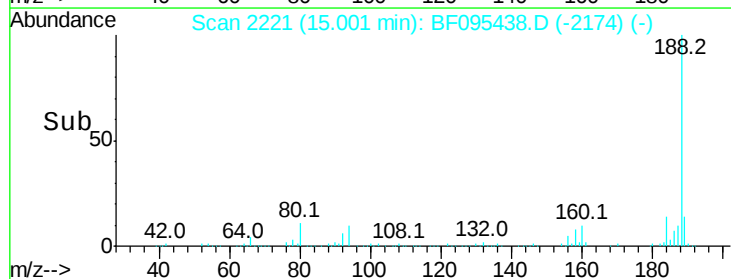
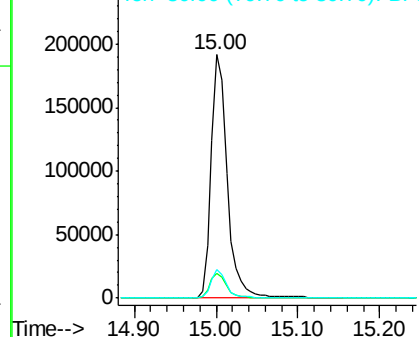


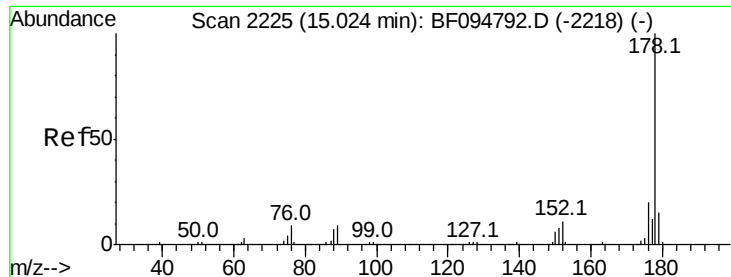
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Tgt Ion:188 Resp: 264476
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 11.5 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

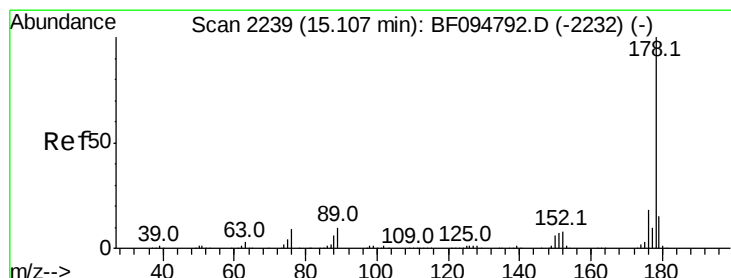
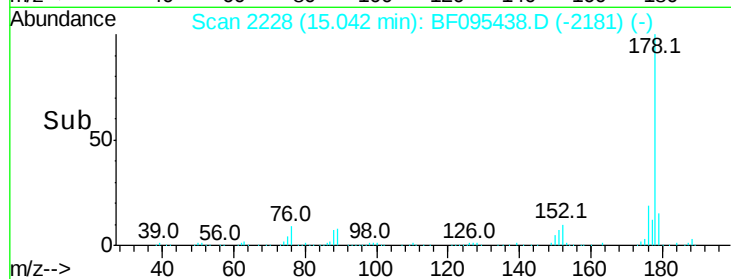
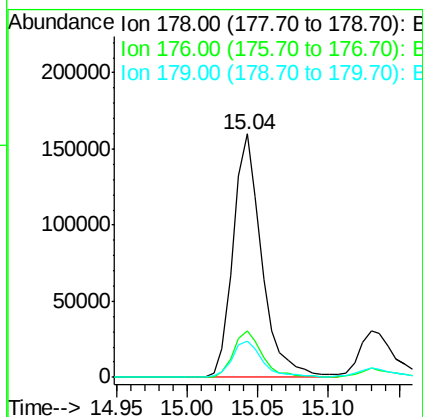
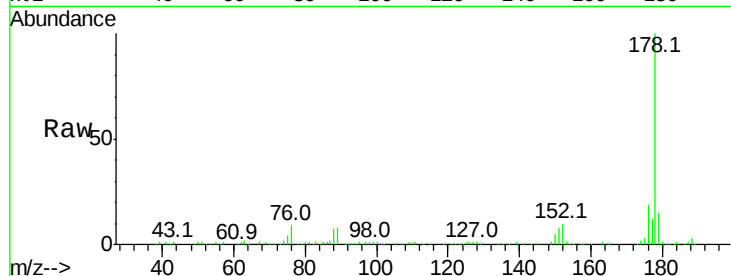




#70
Phenanthrene
Concen: 14.94 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

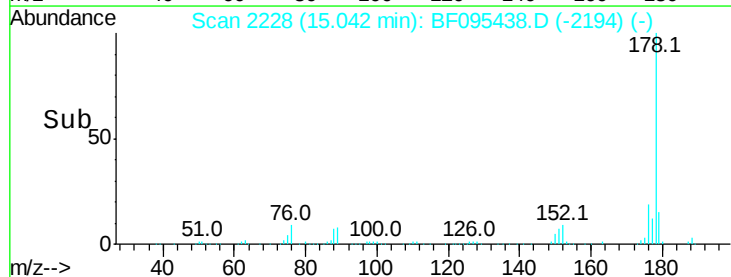
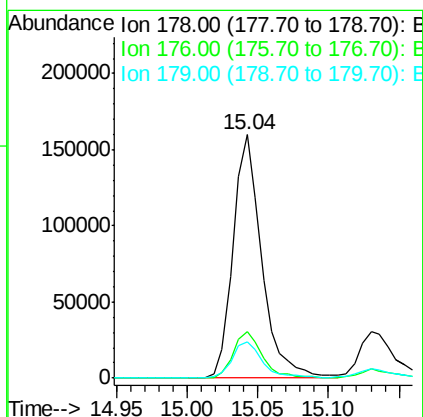
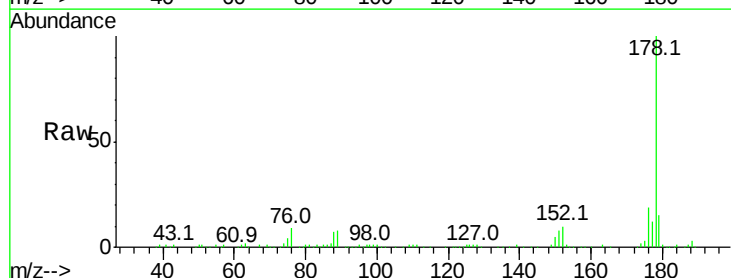
Instrument :
BNA_F
ClientSampleId :

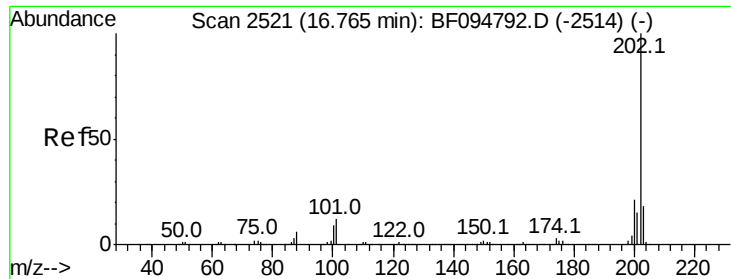
Tot Ion:178 Resp: 227066
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.1 12.6 19.0



#71
Anthracene
Concen: 14.63 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.10 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Tgt Ion:178 Resp: 227066
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.1 12.7 19.1





#74

Fluoranthene

Concen: 21.75 ng

RT: 16.78 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095438.D

Acq: 25 May 2017 23:04

Instrument :

BNA_F

ClientSampleId :

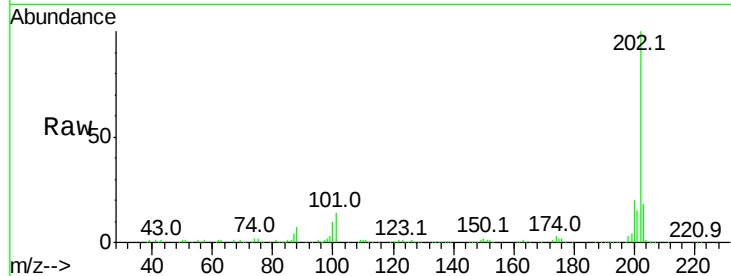
Tot Ion:202 Resp: 338968

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

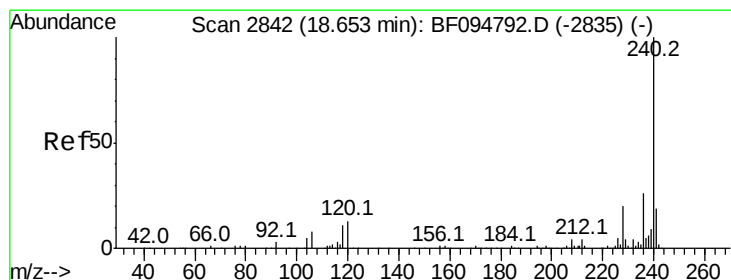
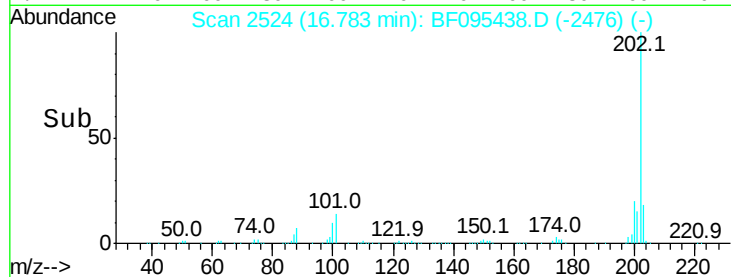
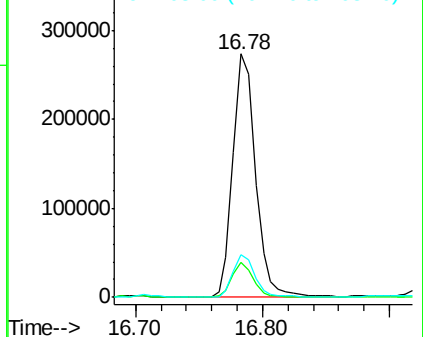
203 17.5 0.0 38.1



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# 2846

Delta R.T. -0.02 min

Lab File: BF095438.D

Acq: 25 May 2017 23:04

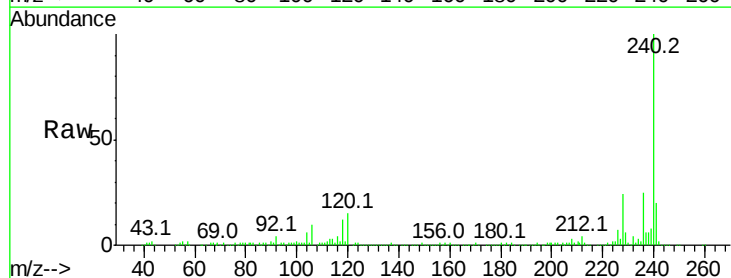
Tgt Ion:240 Resp: 203835

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

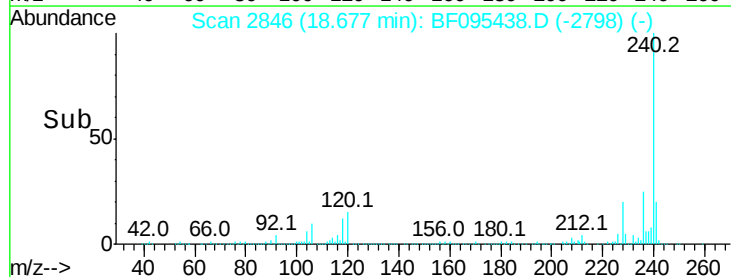
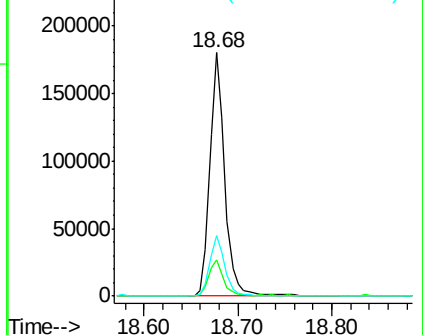
236 24.8 20.5 30.7

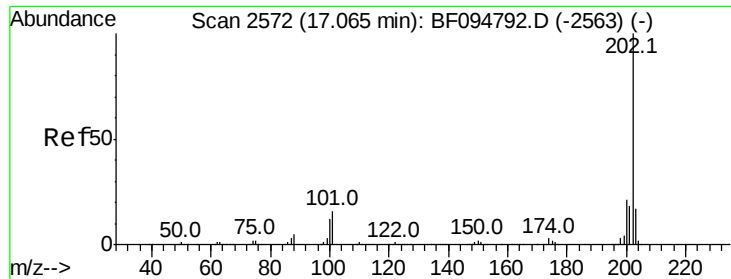


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 21.85 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095438.D

Acq: 25 May 2017 23:04

Instrument :

BNA_F

ClientSampleId :

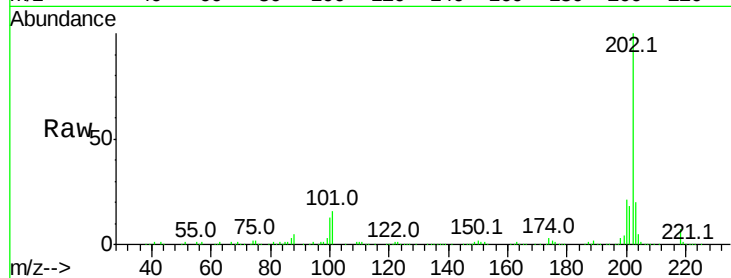
Tot Ion:202 Resp: 333140

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

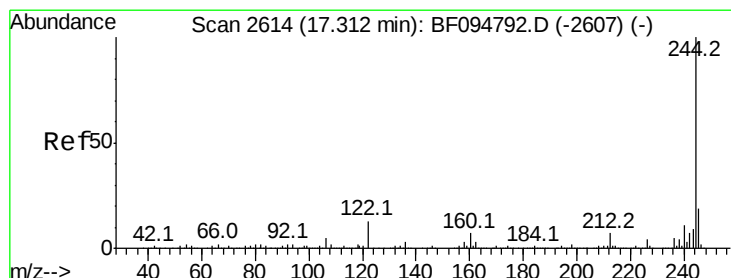
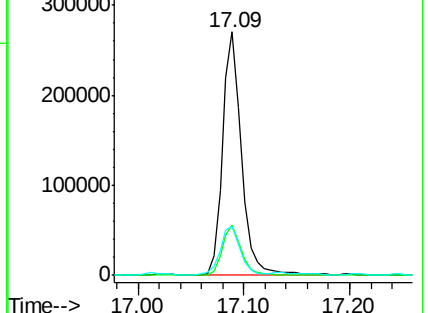
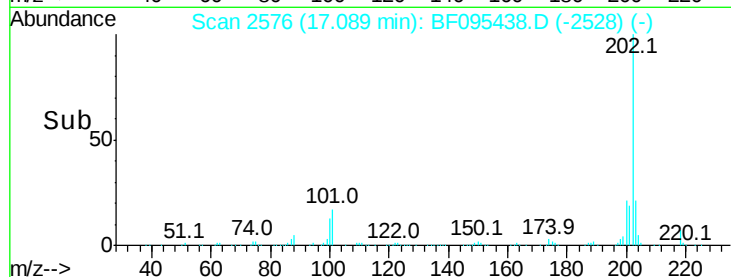
203 20.4 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 28.69 ng

RT: 17.32 min Scan# 2615

Delta R.T. -0.03 min

Lab File: BF095438.D

Acq: 25 May 2017 23:04

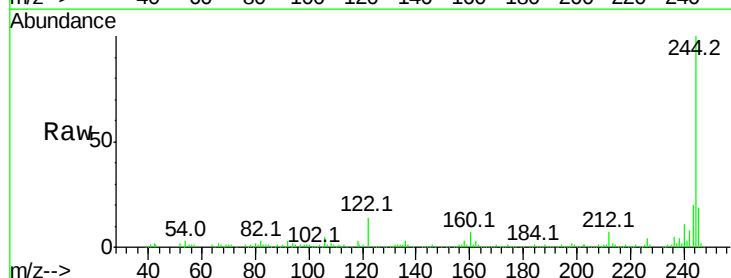
Tgt Ion:244 Resp: 265482

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

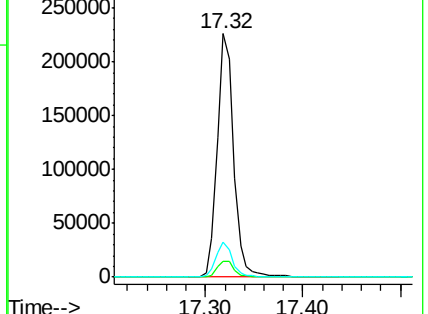
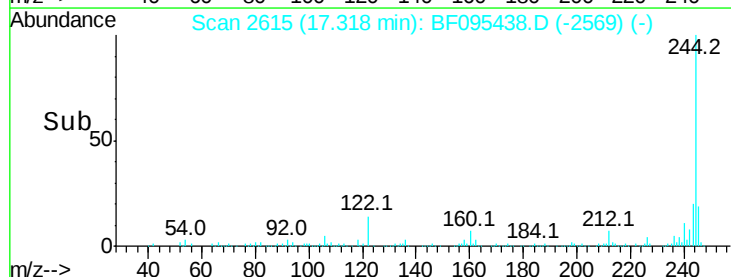
122 14.4 10.3 15.5

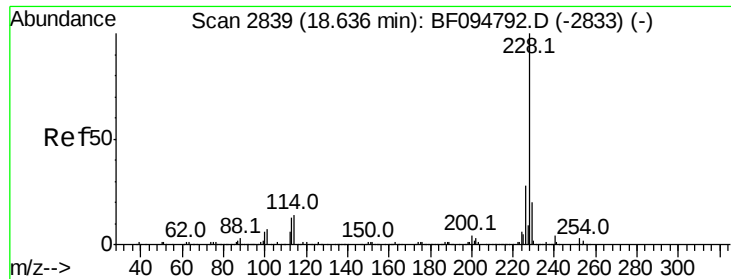


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

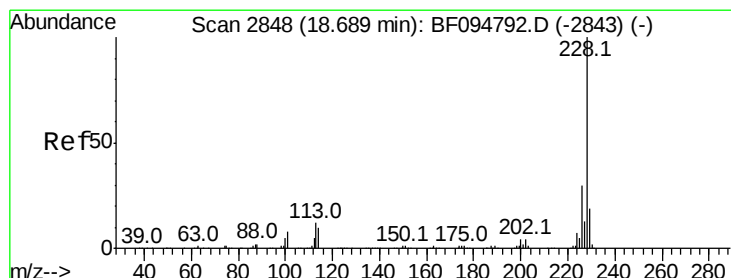
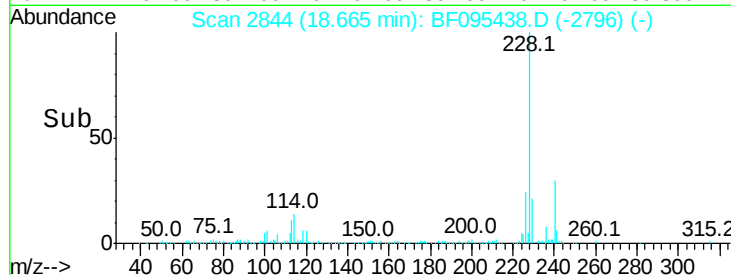
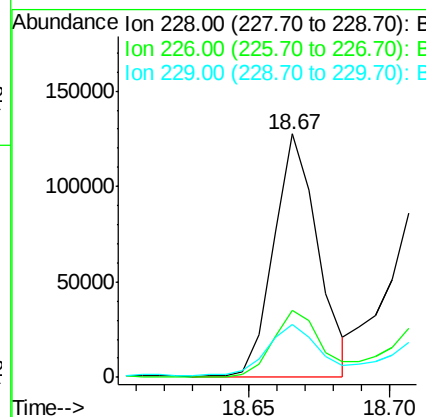
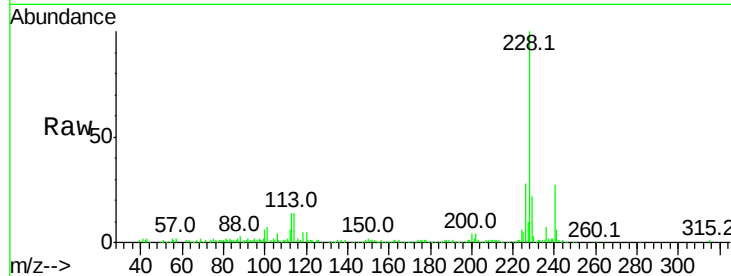




#80
Benzo(a)anthracene
Concen: 11.58 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

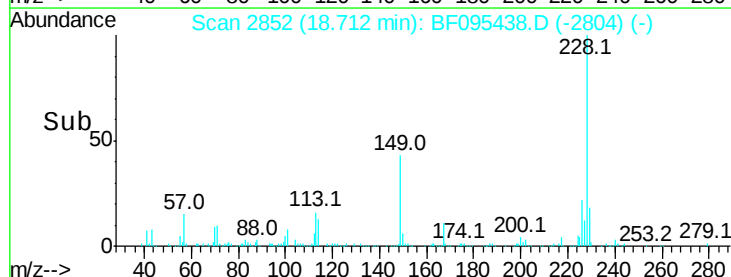
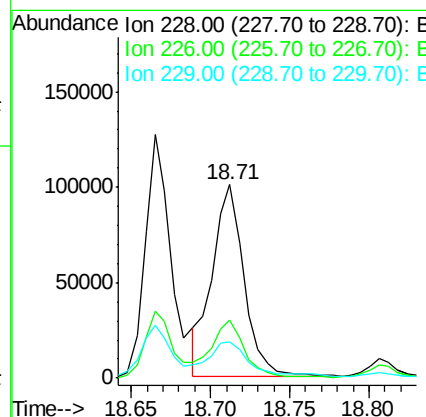
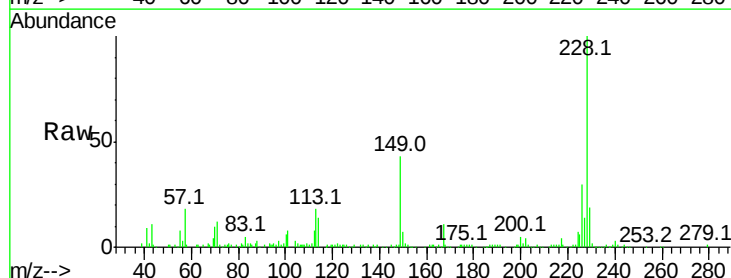
Instrument :
BNA_F
ClientSampleId :

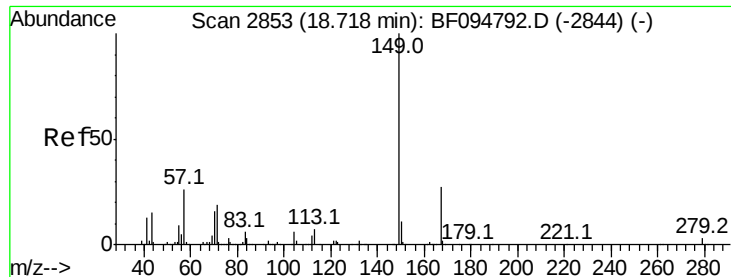
Tot Ion:228 Resp: 137397
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 22.0 16.3 24.5



#82
Chrysene
Concen: 12.35 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Tgt Ion:228 Resp: 141692
Ion Ratio Lower Upper
228 100
226 29.8 24.9 37.3
229 19.1 15.8 23.6

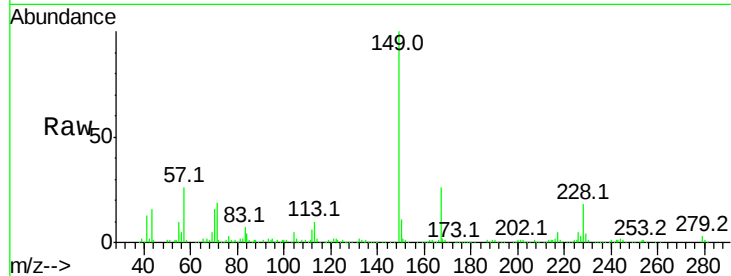




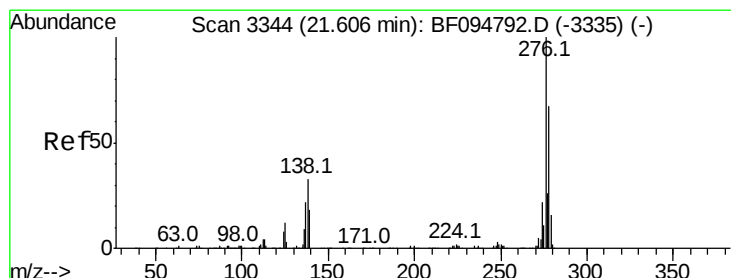
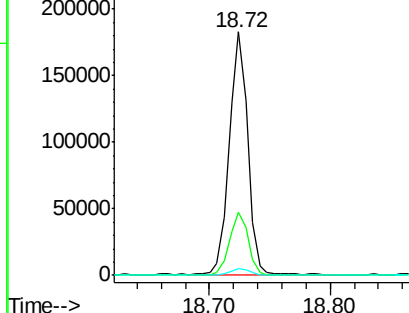
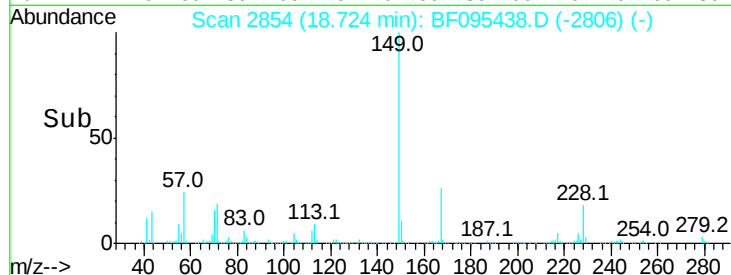
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 19.10 ng
 RT: 18.72 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BF095438.D
 Acq: 25 May 2017 23:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.0	31.4
279	3.0	1.9	2.9#

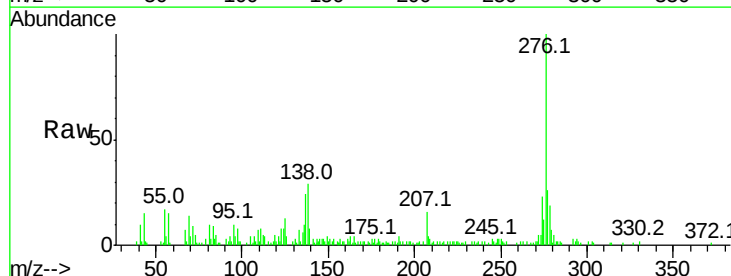


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

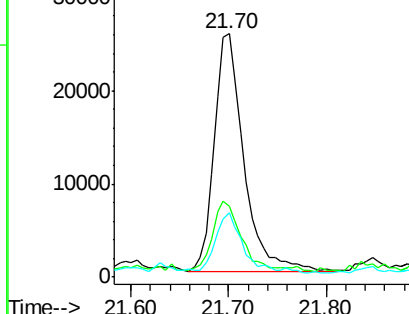
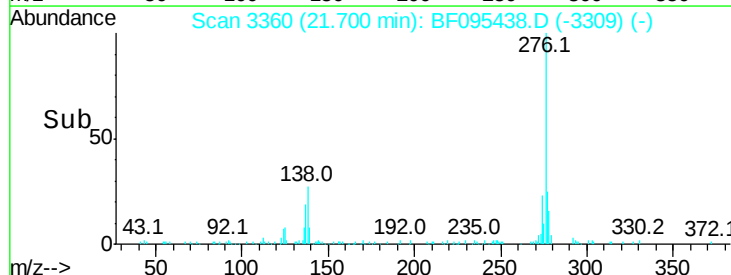


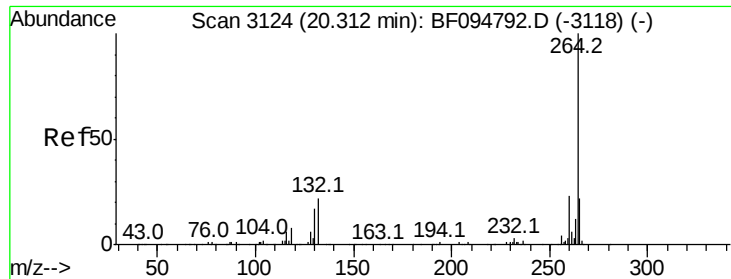
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.76 ng
 RT: 21.70 min Scan# 3360
 Delta R.T. 0.00 min
 Lab File: BF095438.D
 Acq: 25 May 2017 23:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	27.8	41.6
277	21.0	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

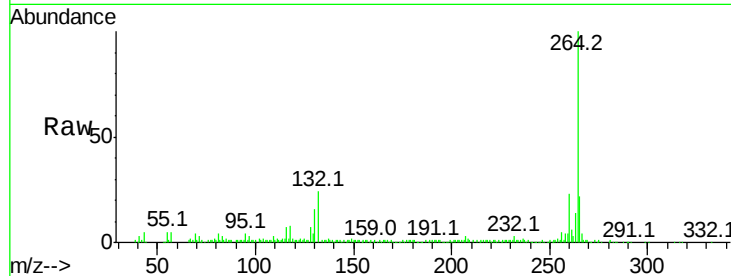




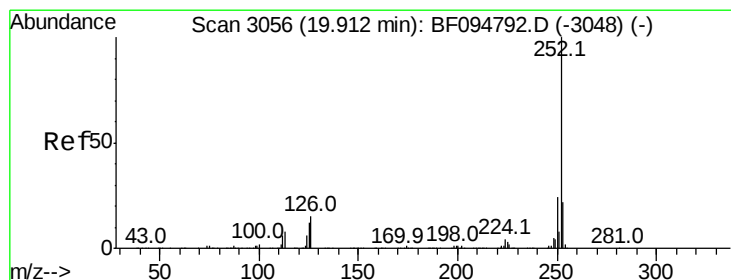
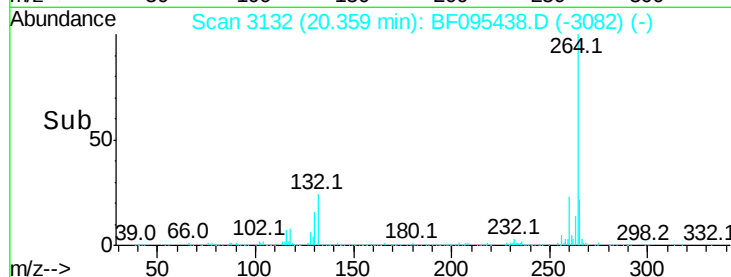
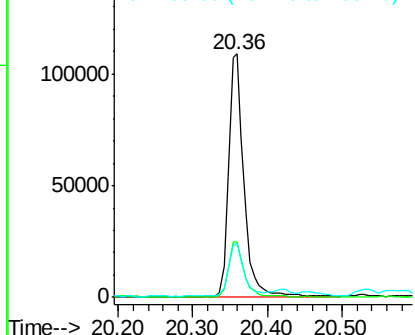
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 158833
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 22.1 17.2 25.8

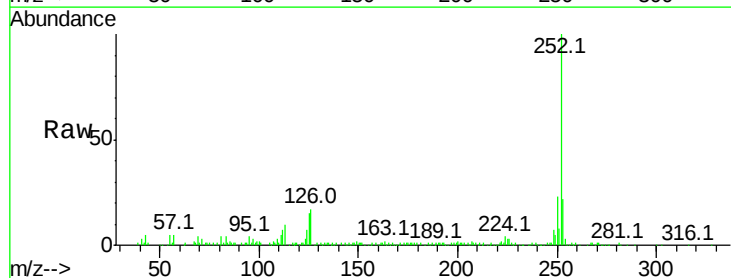


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

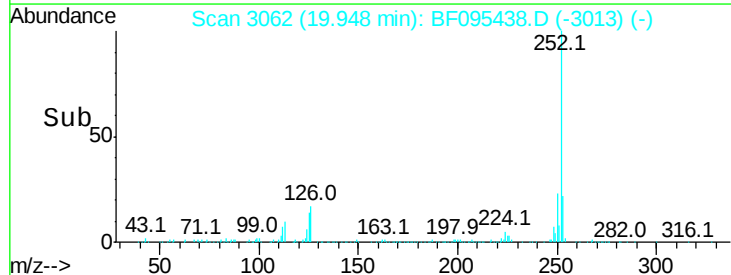
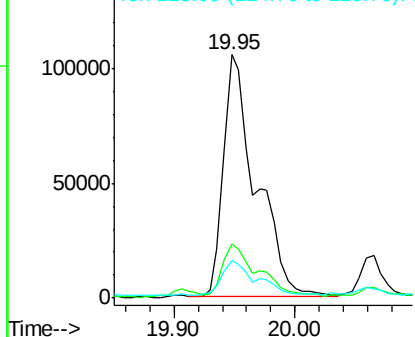


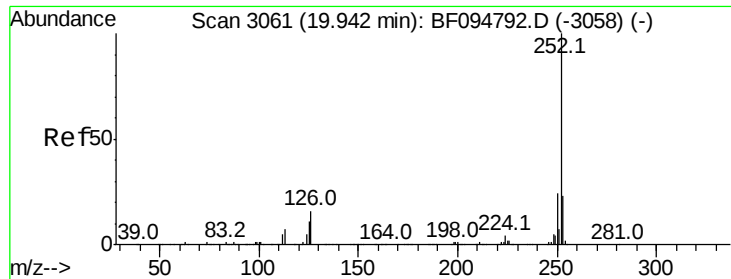
#87
Benzo(b)fluoranthene
Concen: 20.02 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Tgt Ion:252 Resp: 196479
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 15.3 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

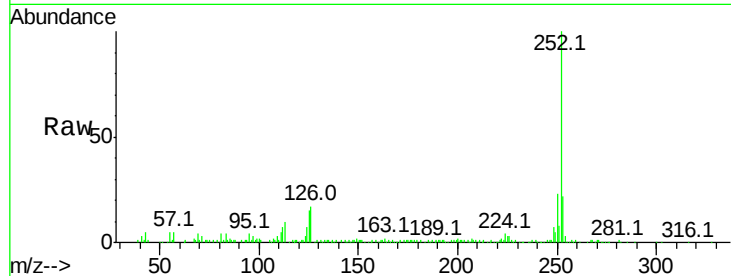




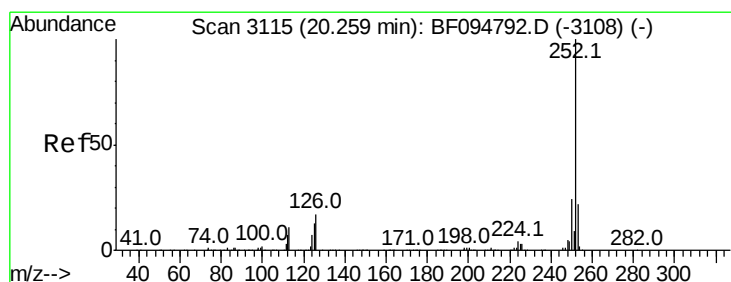
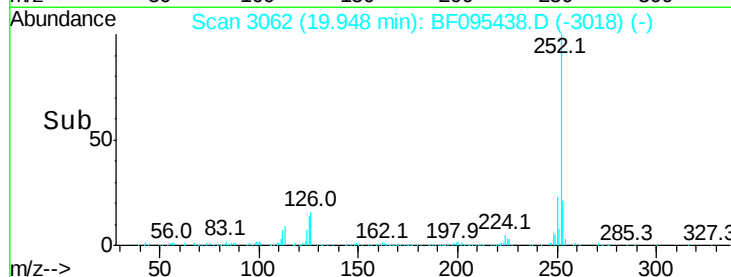
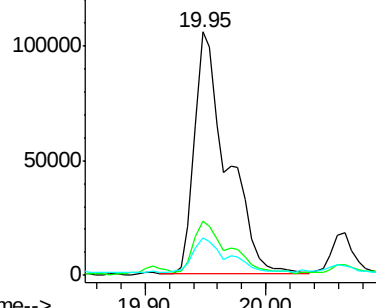
#88
Benzo(k)fluoranthene
Concen: 20.75 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.04 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	15.3	13.1	19.7

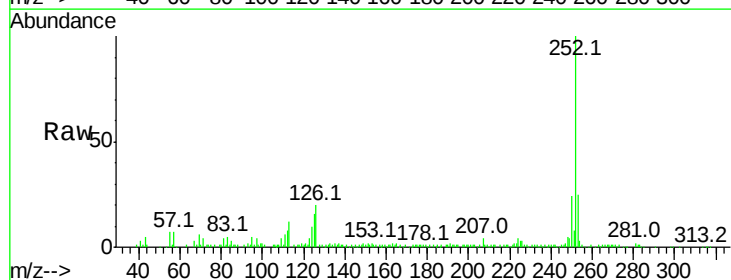


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

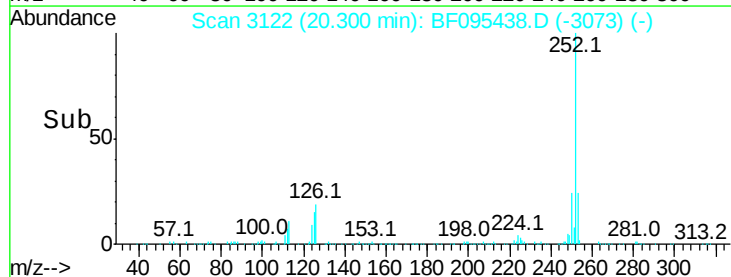
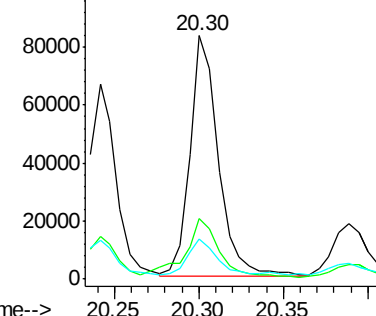


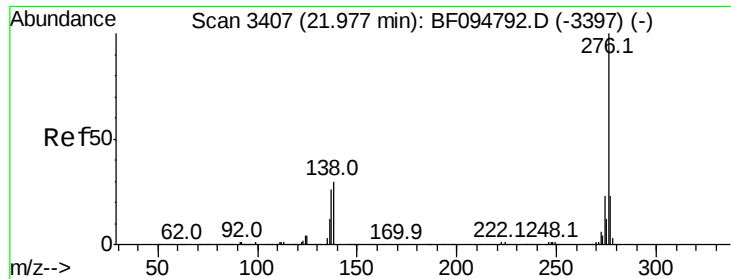
#89
Benzo(a)pyrene
Concen: 10.78 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095438.D
Acq: 25 May 2017 23:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	16.4	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

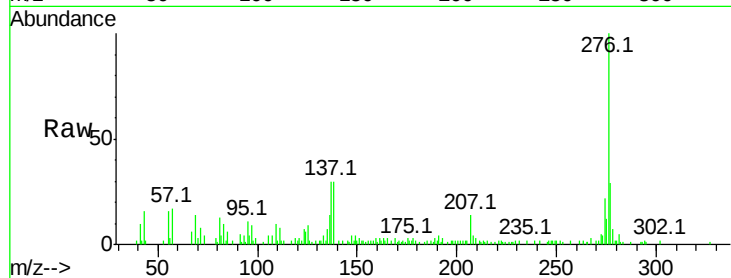




#91
 Benzo(a,h,i)perylene
 Concen: 7.36 ng
 RT: 22.09 min Scan# 3426
 Delta R.T. 0.01 min
 Lab File: BF095438.D
 Acq: 25 May 2017 23:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.7	18.6	28.0#
138	29.9	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

