

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095419.D
 Acq On : 25 May 2017 10:57
 Operator : SJ/MA
 Sample : I3281-06DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 13:28:32 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

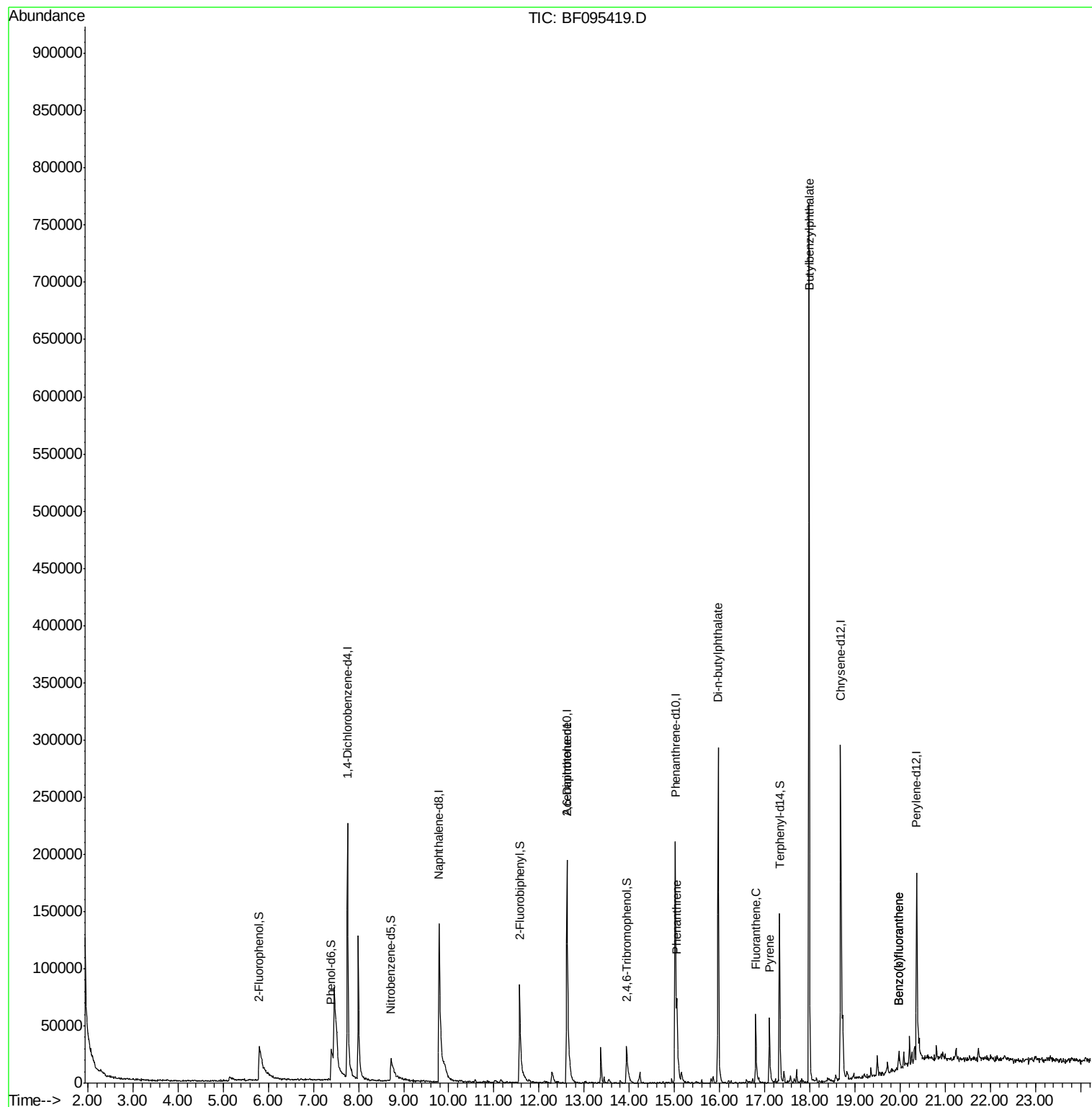
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	70249	20.00	ng	-0.01
21) Naphthalene-d8	9.78	136	254003	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	102883	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	178732	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	167210	20.00	ng	-0.01
86) Perylene-d12	20.37	264	107816	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	47475	11.27	ng	0.06
7) Phenol-d6	7.40	99	67808	13.41	ng	0.08
23) Nitrobenzene-d5	8.72	82	34961	8.68	ng	0.05
41) 2,4,6-Tribromophenol	13.94	330	14273	16.94	ng	0.02
44) 2-Fluorobiphenyl	11.57	172	91171	12.75	ng	0.01
78) Terphenyl-d14	17.33	244	77836	10.25	ng	-0.02
Target Compounds						
50) 2,6-Dinitrotoluene	12.62	165	8539	4.96	ng	# 31
70) Phenanthrene	15.05	178	40809	3.97	ng	98
73) Di-n-butylphthalate	15.97	149	234112	19.67	ng	# 97
74) Fluoranthene	16.80	202	46585	4.42	ng	98
77) Pyrene	17.11	202	39344	3.15	ng	94
79) Butylbenzylphthalate	17.98	149	230948	39.70	ng	# 86
87) Benzo(b)fluoranthene	19.97	252	15366	2.31	ng	# 90
88) Benzo(k)fluoranthene	19.97	252	15366	2.39	ng	# 93

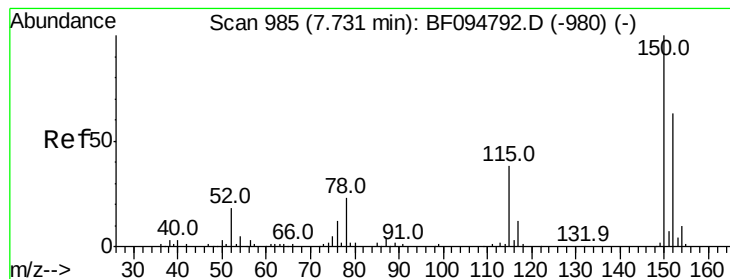
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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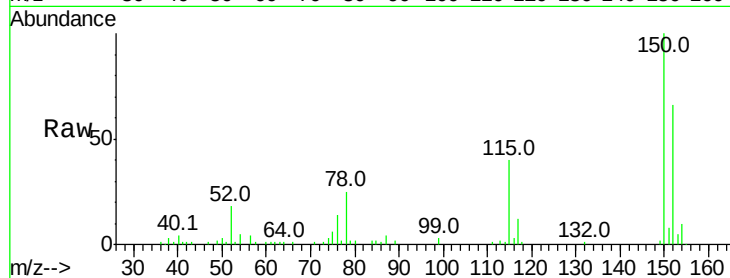


#1

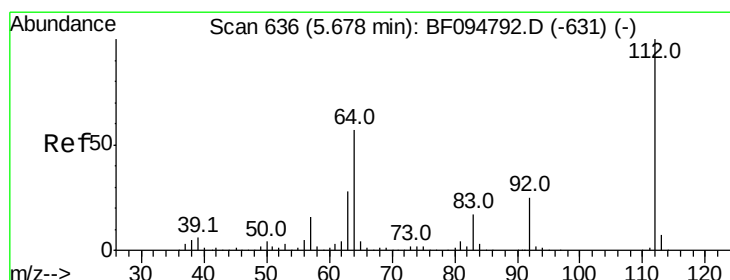
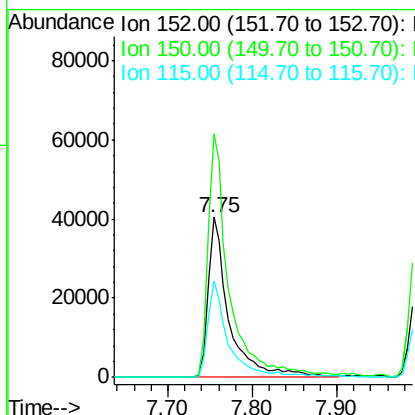
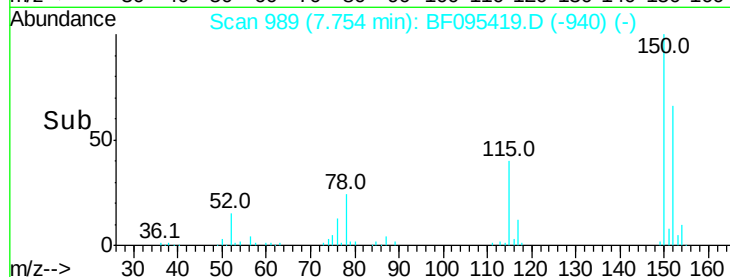
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095419.D
Acq: 25 May 2017 10:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70249
Ion Ratio Lower Upper
152 100
150 151.9 126.2 189.2
115 60.1 52.2 78.2



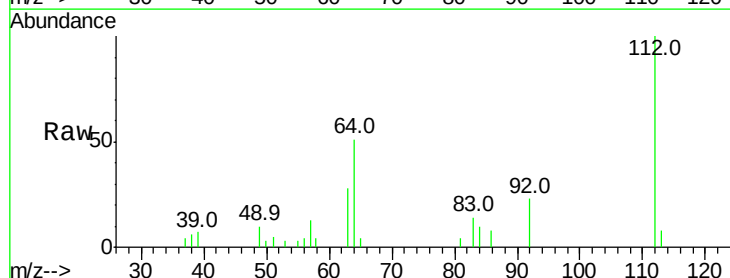
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



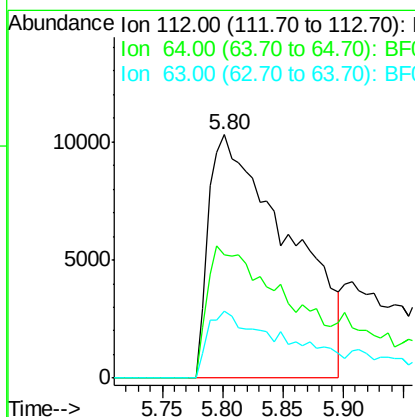
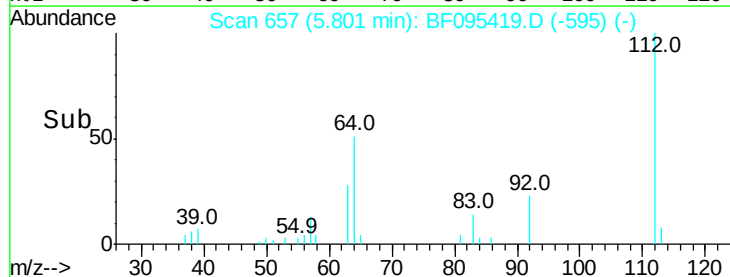
#5

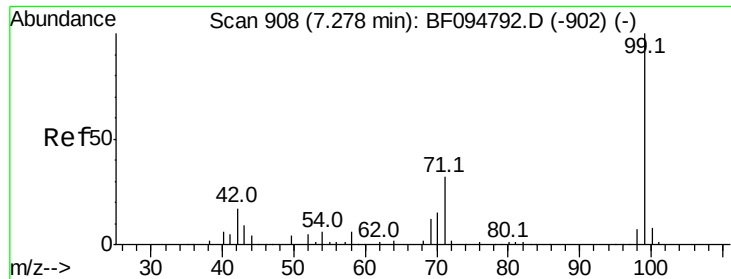
2-Fluorophenol
Concen: 11.27 ng
RT: 5.80 min Scan# 657
Delta R.T. 0.06 min
Lab File: BF095419.D
Acq: 25 May 2017 10:57

Tgt Ion:112 Resp: 47475
Ion Ratio Lower Upper
112 100
64 50.7 46.0 69.0
63 27.5 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: 13.41 ng

RT: 7.40 min Scan# 928

Delta R.T. 0.08 min

Lab File: BF095419.D

Acq: 25 May 2017 10:57

Instrument :

BNA_F

ClientSampled :

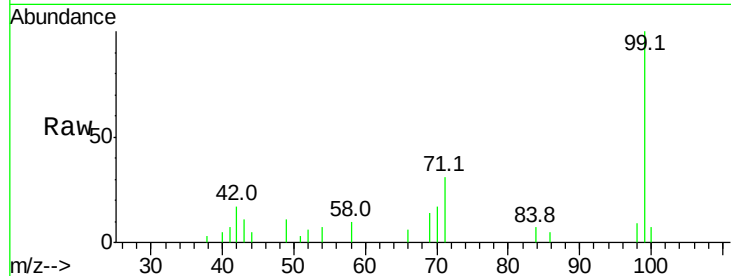
Tot Ion: 99 Resp: 67808

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

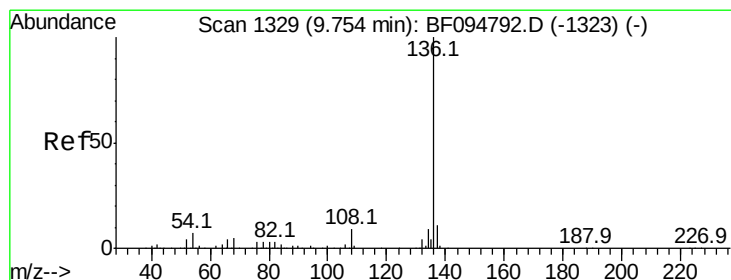
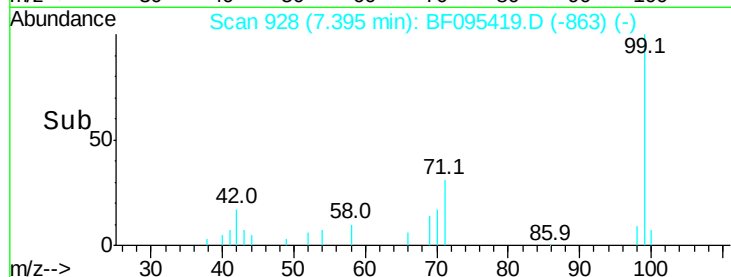
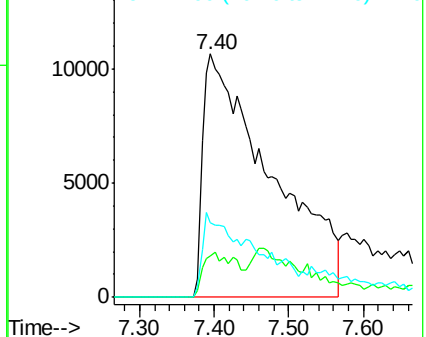
71 30.5 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF095419.D

Acq: 25 May 2017 10:57

Tgt Ion:136 Resp: 254003

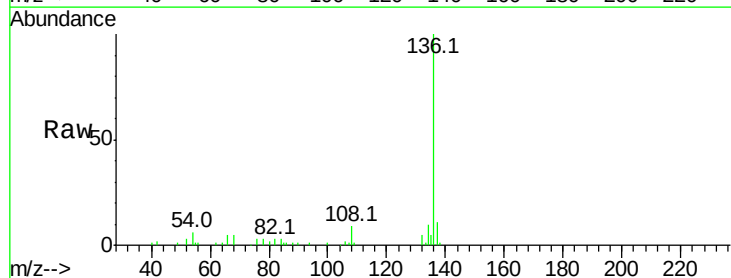
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.2 4.9 7.3

68 5.5 4.1 6.1

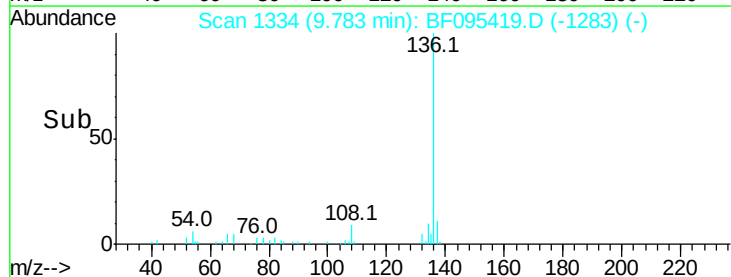
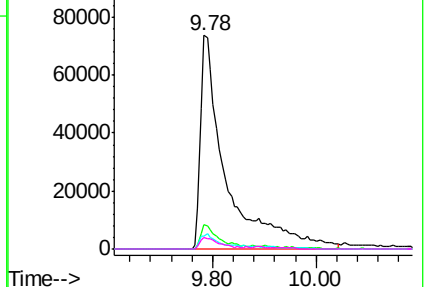


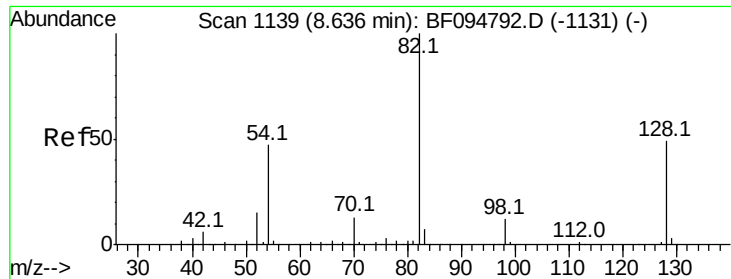
Abundance Ion 136.00 (135.70 to 136.70): E

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

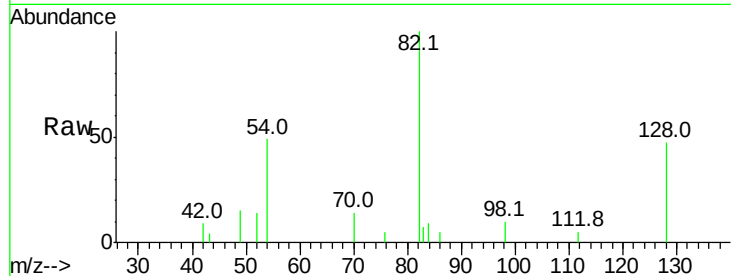




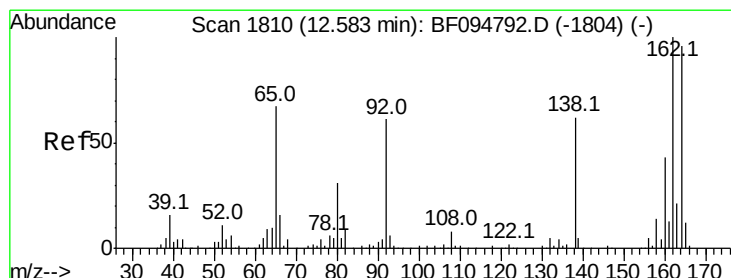
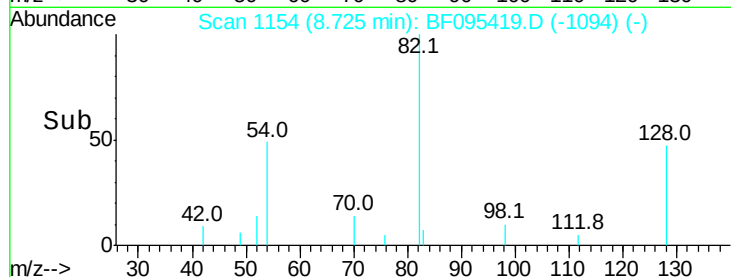
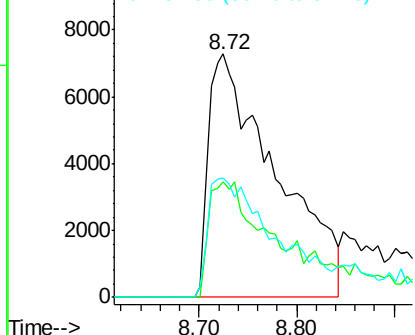
#23
 Nitrobenzene-d5
 Concen: 8.68 ng
 RT: 8.72 min Scan# 1154
 Delta R.T. 0.05 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 34961
 Ion Ratio Lower Upper
 82 100
 128 47.2 34.0 51.0
 54 49.3 42.2 63.2

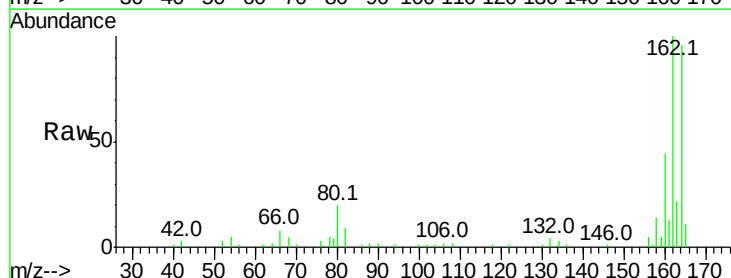


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

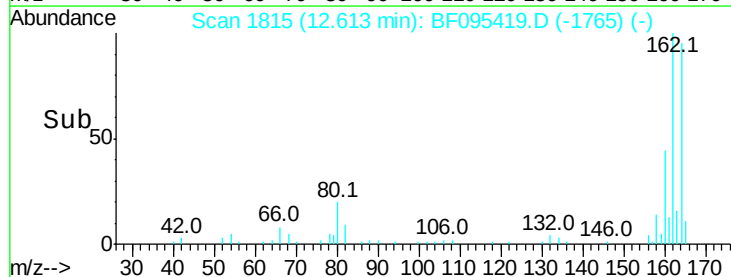
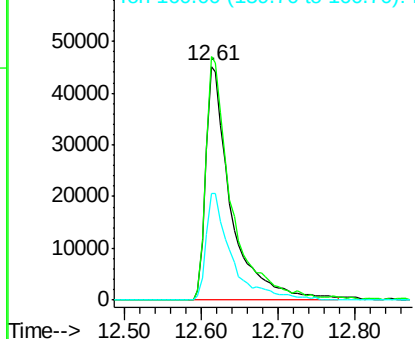


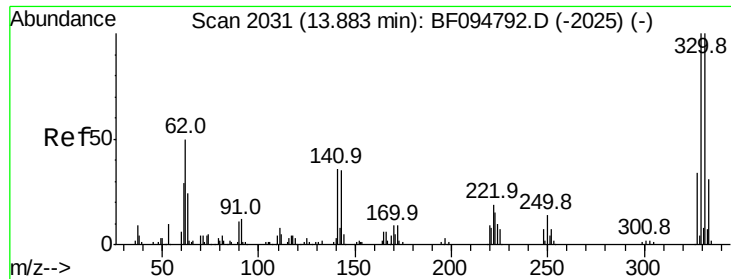
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

Tgt Ion:164 Resp: 102883
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.6 123.8
 160 45.4 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

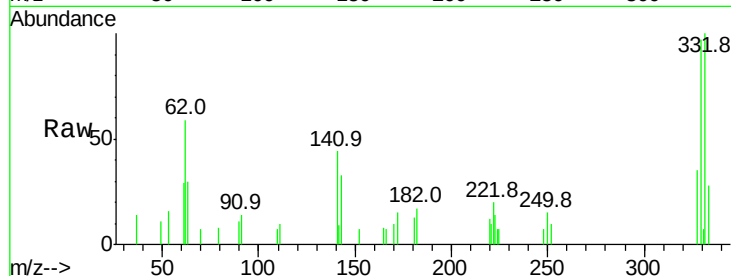




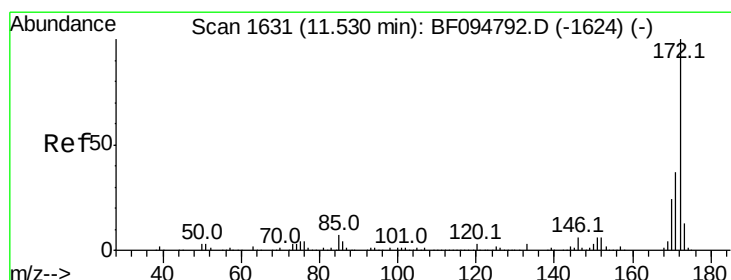
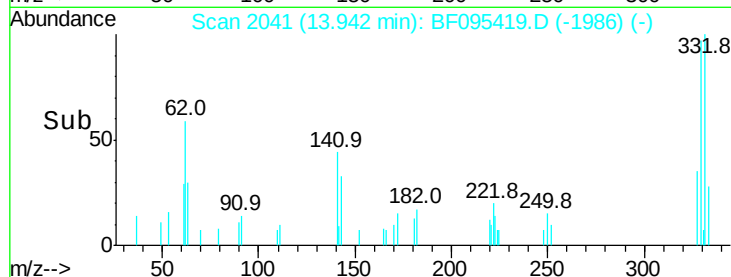
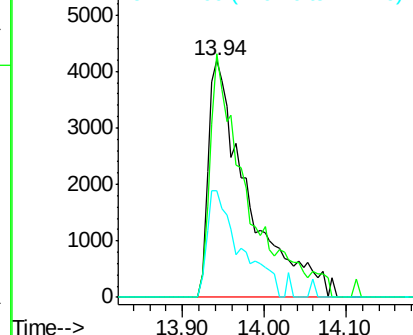
#41
 2,4,6-Tribromophenol
 Concen: 16.94 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 14273
 Ion Ratio Lower Upper
 330 100
 332 80.3 76.6 115.0
 141 37.8 31.4 47.2

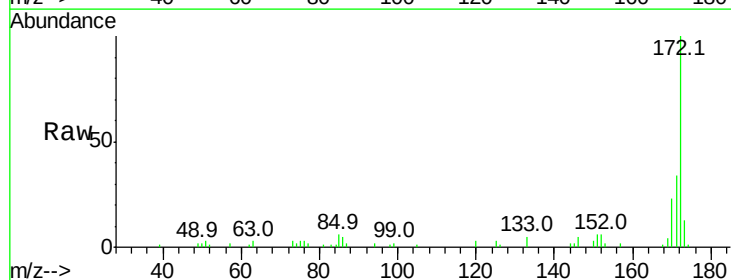


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

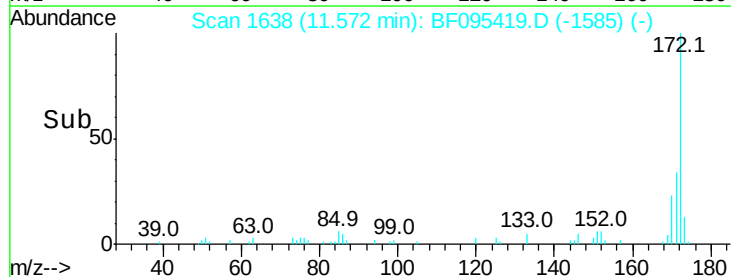
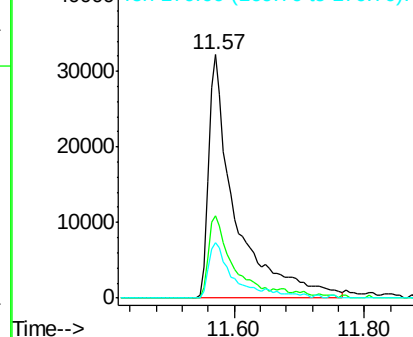


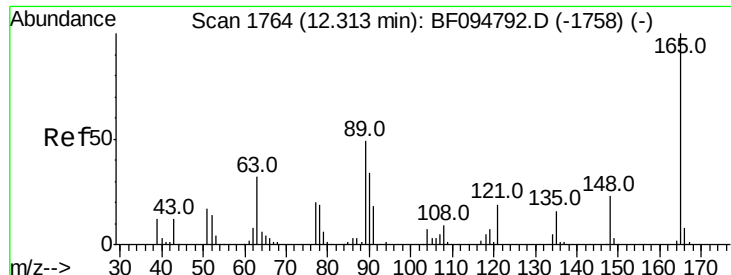
#44
 2-Fluorobiphenyl
 Concen: 12.75 ng
 RT: 11.57 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

Tgt Ion:172 Resp: 91171
 Ion Ratio Lower Upper
 172 100
 171 33.6 29.6 44.4
 170 23.0 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

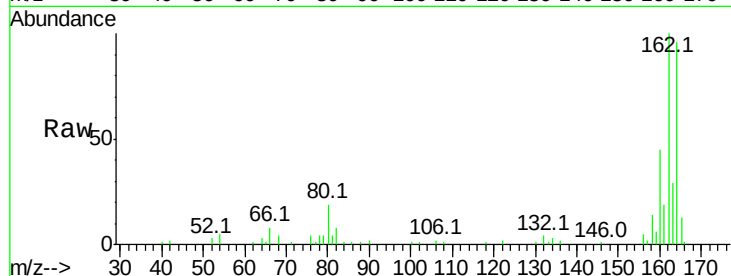




#50
 2,6-Dinitrotoluene
 Concen: 4.96 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.26 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :

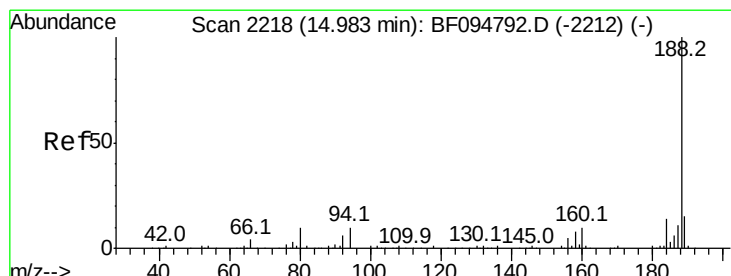
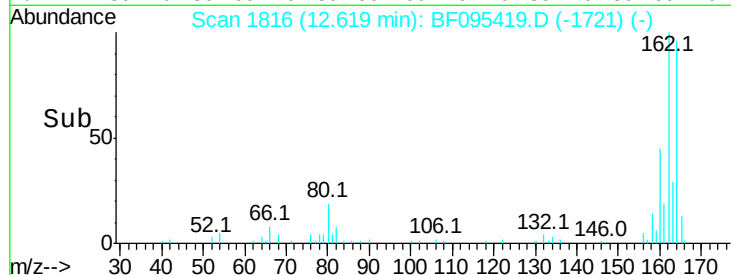
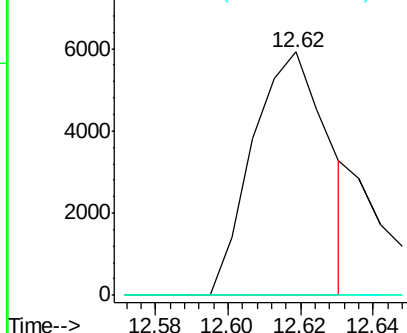
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

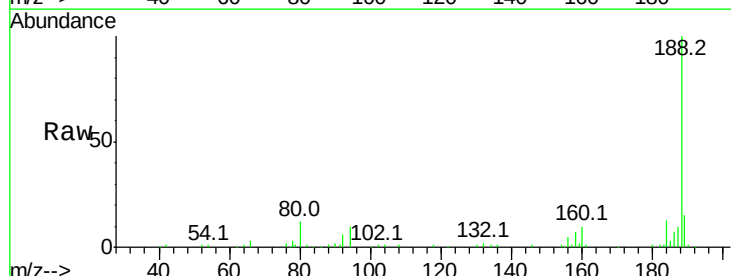
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

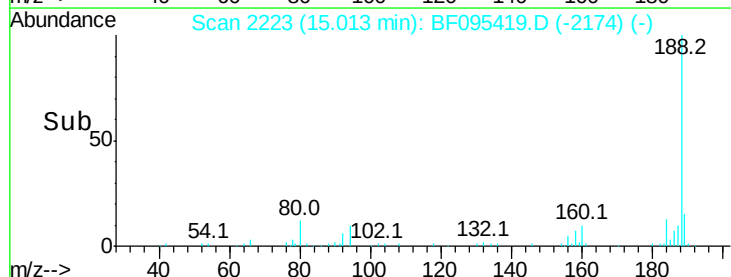
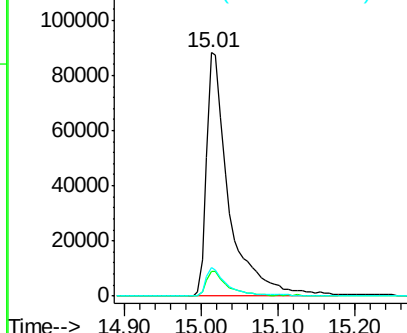
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	11.8	10.2	15.2

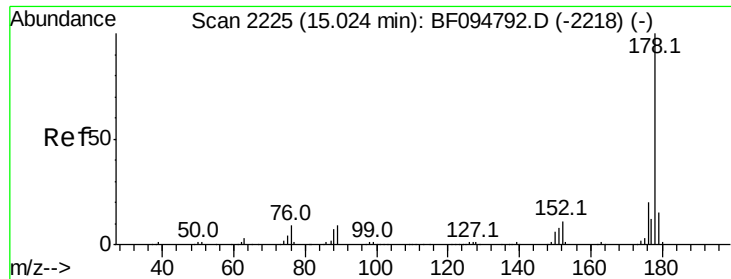


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

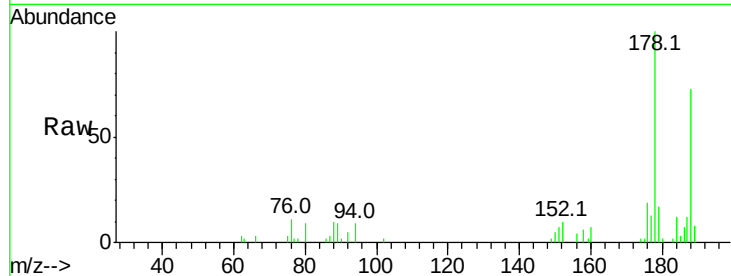




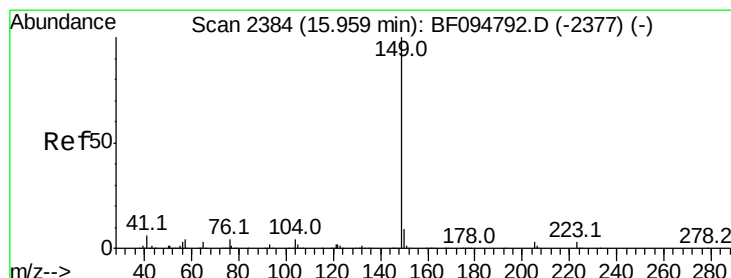
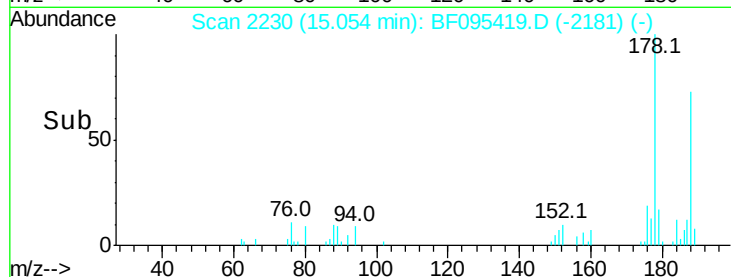
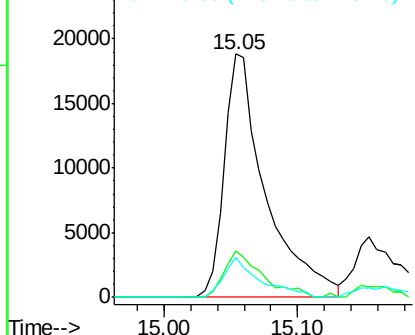
#70
 Phenanthrene
 Concen: 3.97 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 40809
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 16.5 12.6 19.0

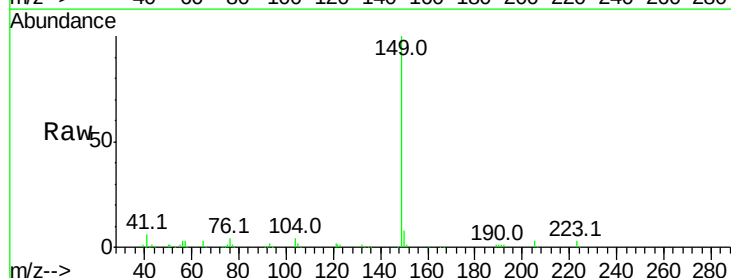


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

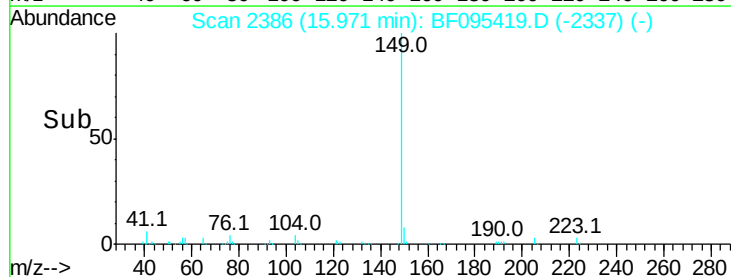
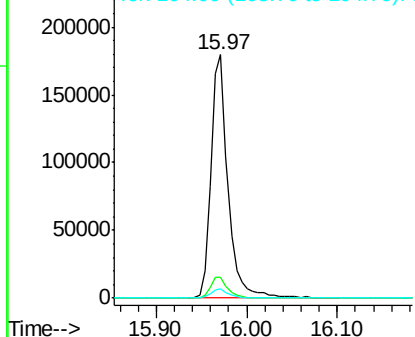


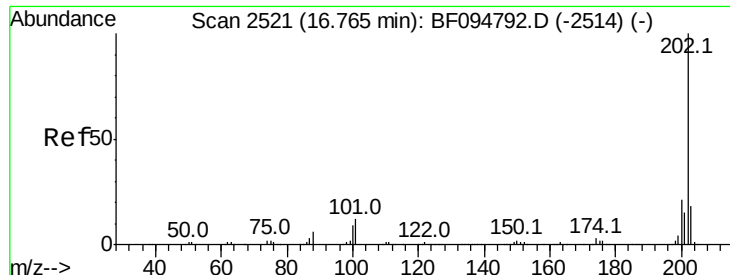
#73
 Di-n-butylphthalate
 Concen: 19.67 ng
 RT: 15.97 min Scan# 2386
 Delta R.T. -0.01 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

Tgt Ion:149 Resp: 234112
 Ion Ratio Lower Upper
 149 100
 150 8.4 7.7 11.5
 104 3.9 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

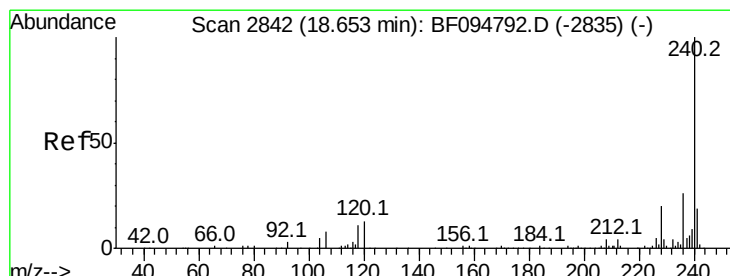
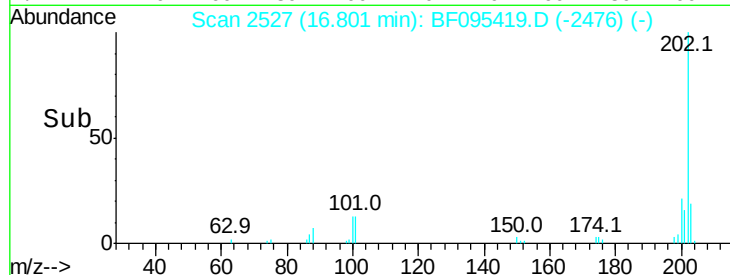
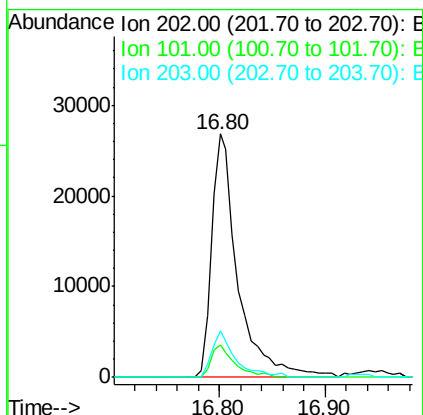
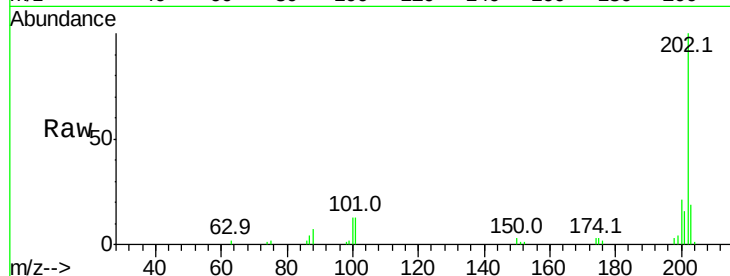




#74
 Fluoranthene
 Concen: 4.42 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

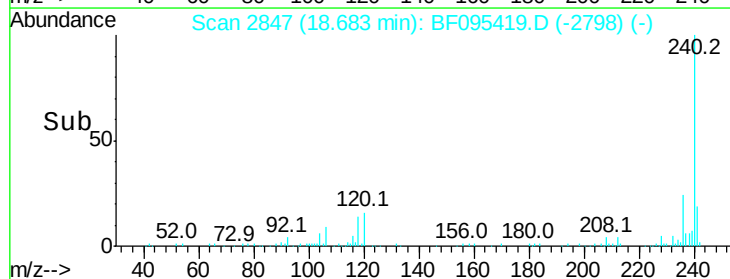
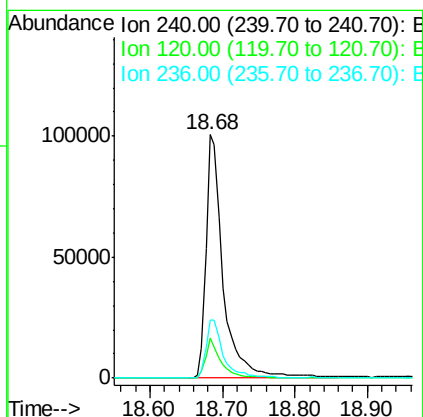
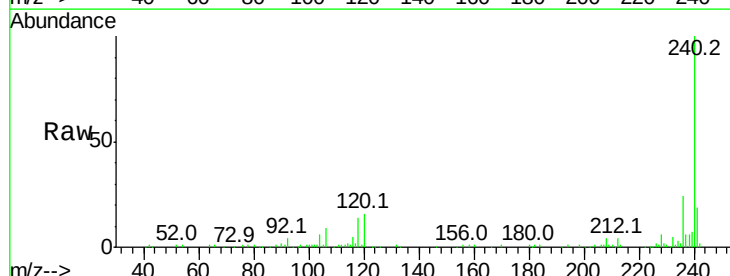
Instrument :
 BNA_F
 ClientSampleId :

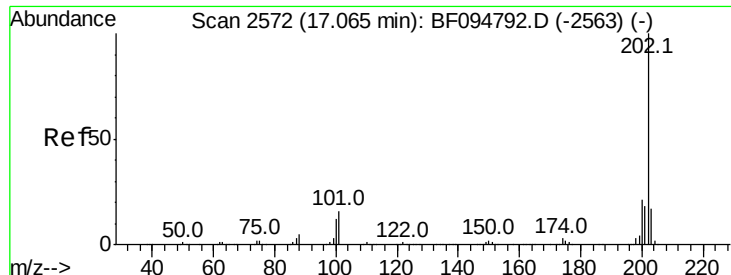
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	19.4	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095419.D
 Acq: 25 May 2017 10:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.3	5.8	8.8#
236	23.8	20.5	30.7

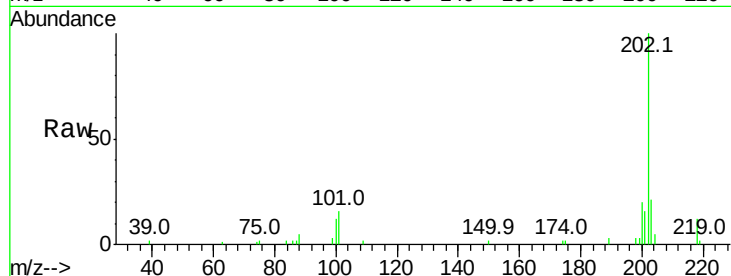




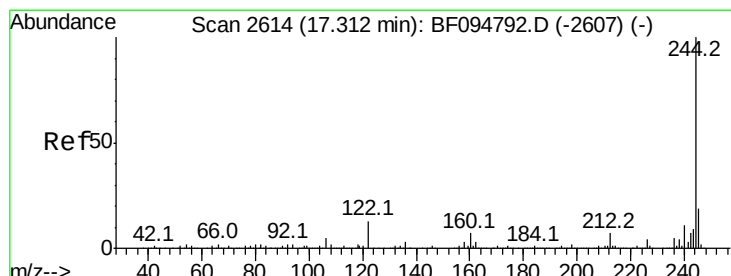
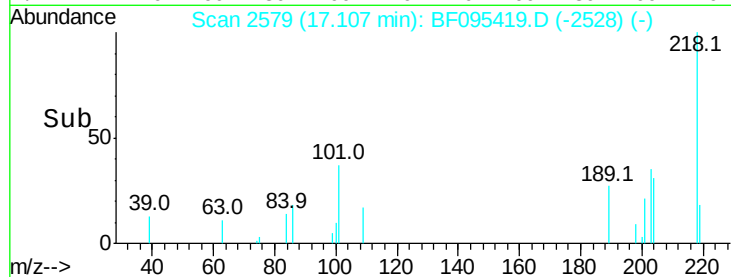
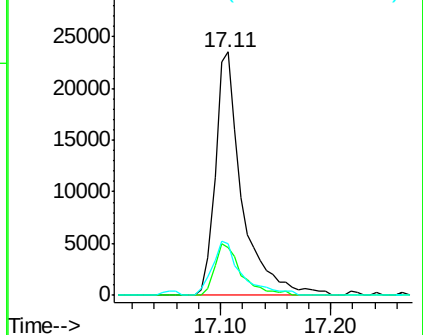
#77
Pvrene
Concen: 3.15 ng
RT: 17.11 min Scan# 2579
Delta R.T. 0.00 min
Lab File: BF095419.D
Acq: 25 May 2017 10:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 39344
Ion Ratio Lower Upper
202 100
200 19.8 17.6 26.4
203 21.0 14.4 21.6

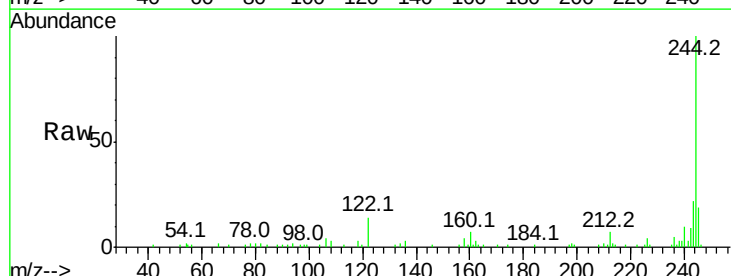


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

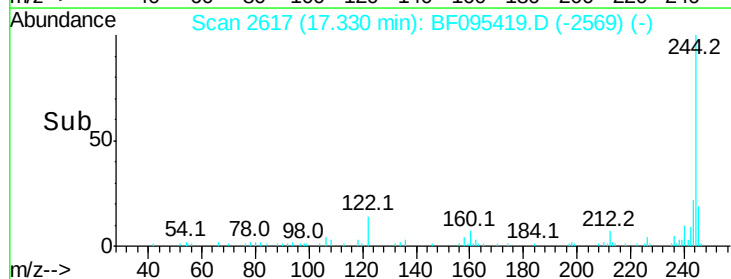
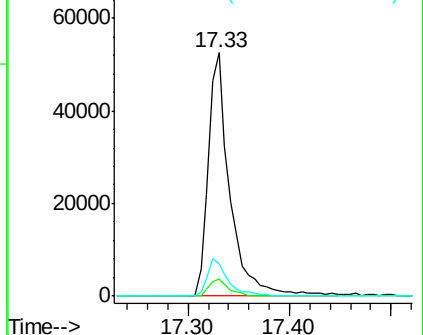


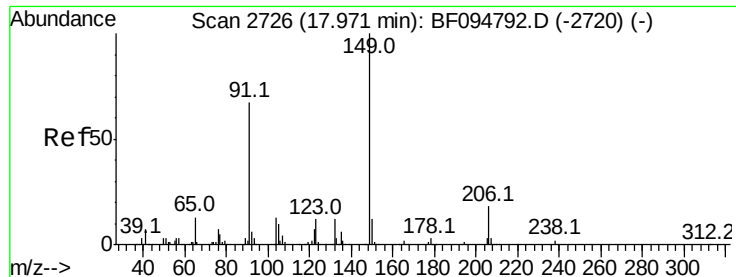
#78
Terphenyl-d14
Concen: 10.25 ng
RT: 17.33 min Scan# 2617
Delta R.T. -0.02 min
Lab File: BF095419.D
Acq: 25 May 2017 10:57

Tgt Ion:244 Resp: 77836
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 13.5 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

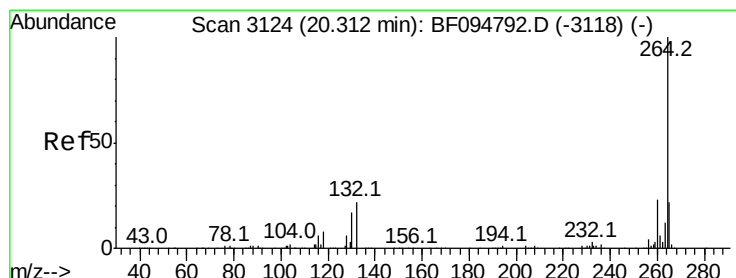
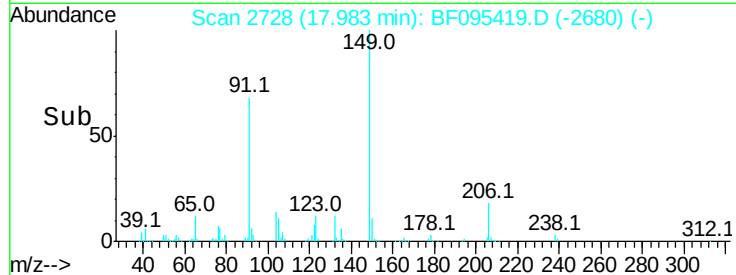
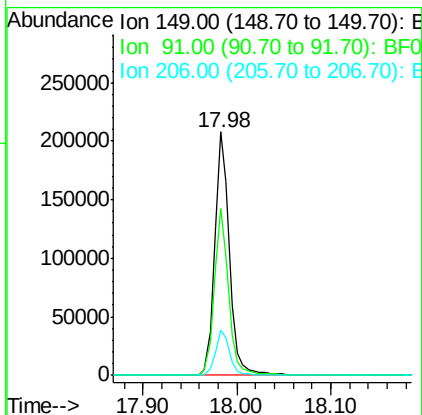
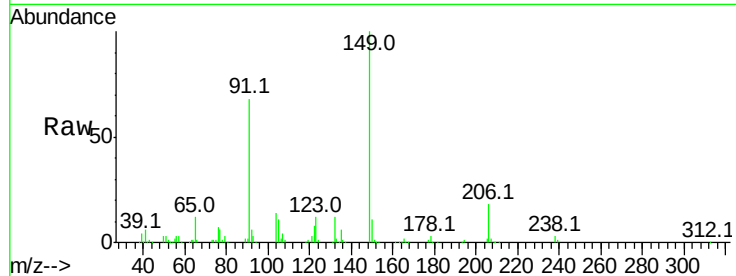




#79
Butylbenzylphthalate
Concen: 39.70 ng
RT: 17.98 min Scan# 2728
Delta R.T. -0.02 min
Lab File: BF095419.D
Acq: 25 May 2017 10:57

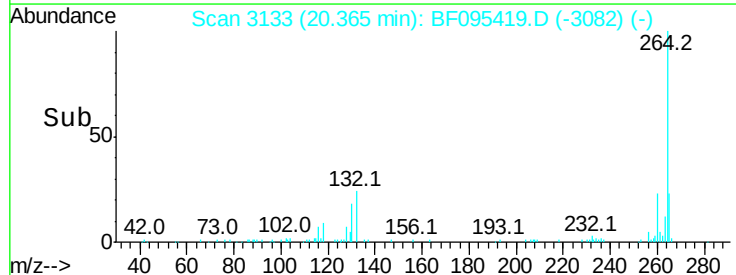
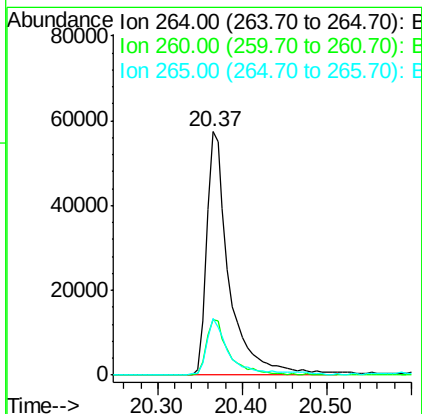
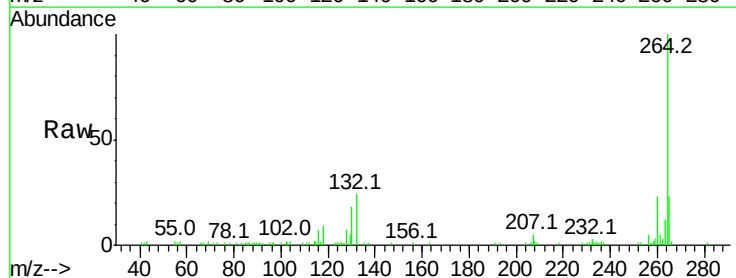
Instrument :
BNA_F
ClientSampleId :

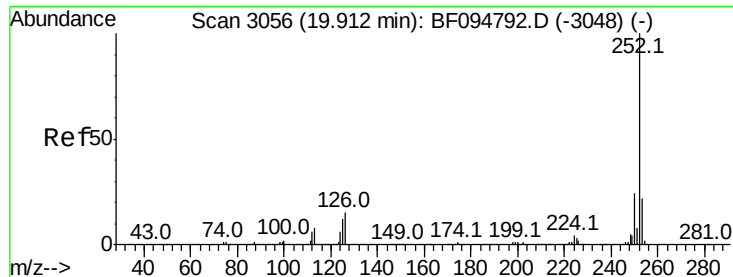
Tot Ion	Ratio	Lower	Upper
149	100		
91	68.5	45.0	67.4#
206	18.5	17.0	25.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095419.D
Acq: 25 May 2017 10:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	23.4	17.2	25.8

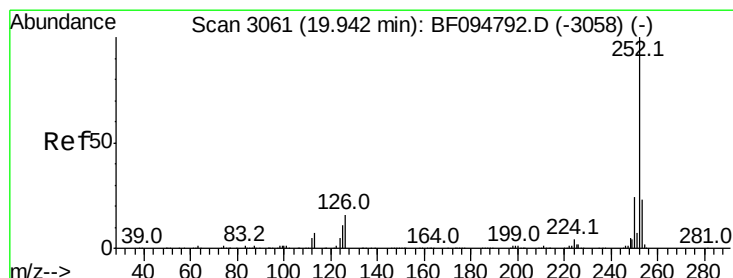
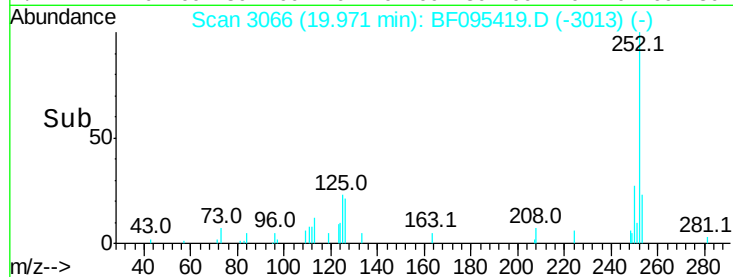
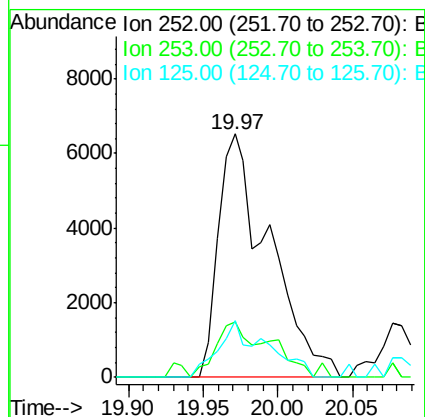
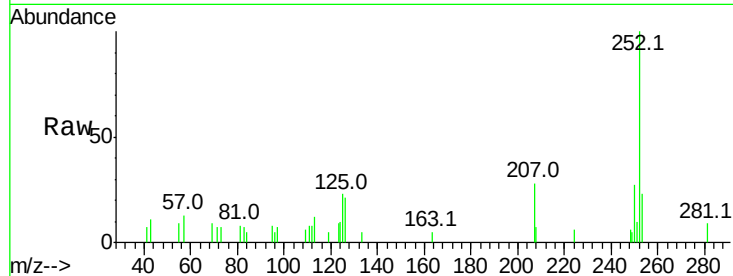




#87
Benzo(b)fluoranthene
Concen: 2.31 ng
RT: 19.97 min Scan# 3066
Delta R.T. 0.01 min
Lab File: BF095419.D
Acq: 25 May 2017 10:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 15366
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 23.3 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.39 ng
RT: 19.97 min Scan# 3066
Delta R.T. -0.02 min
Lab File: BF095419.D
Acq: 25 May 2017 10:57

Tgt Ion:252 Resp: 15366
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 23.3 13.1 19.7#

