

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096194.D
 Acq On : 24 Jun 2017 17:15
 Operator : SJ/MA
 Sample : I3851-08 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:23:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

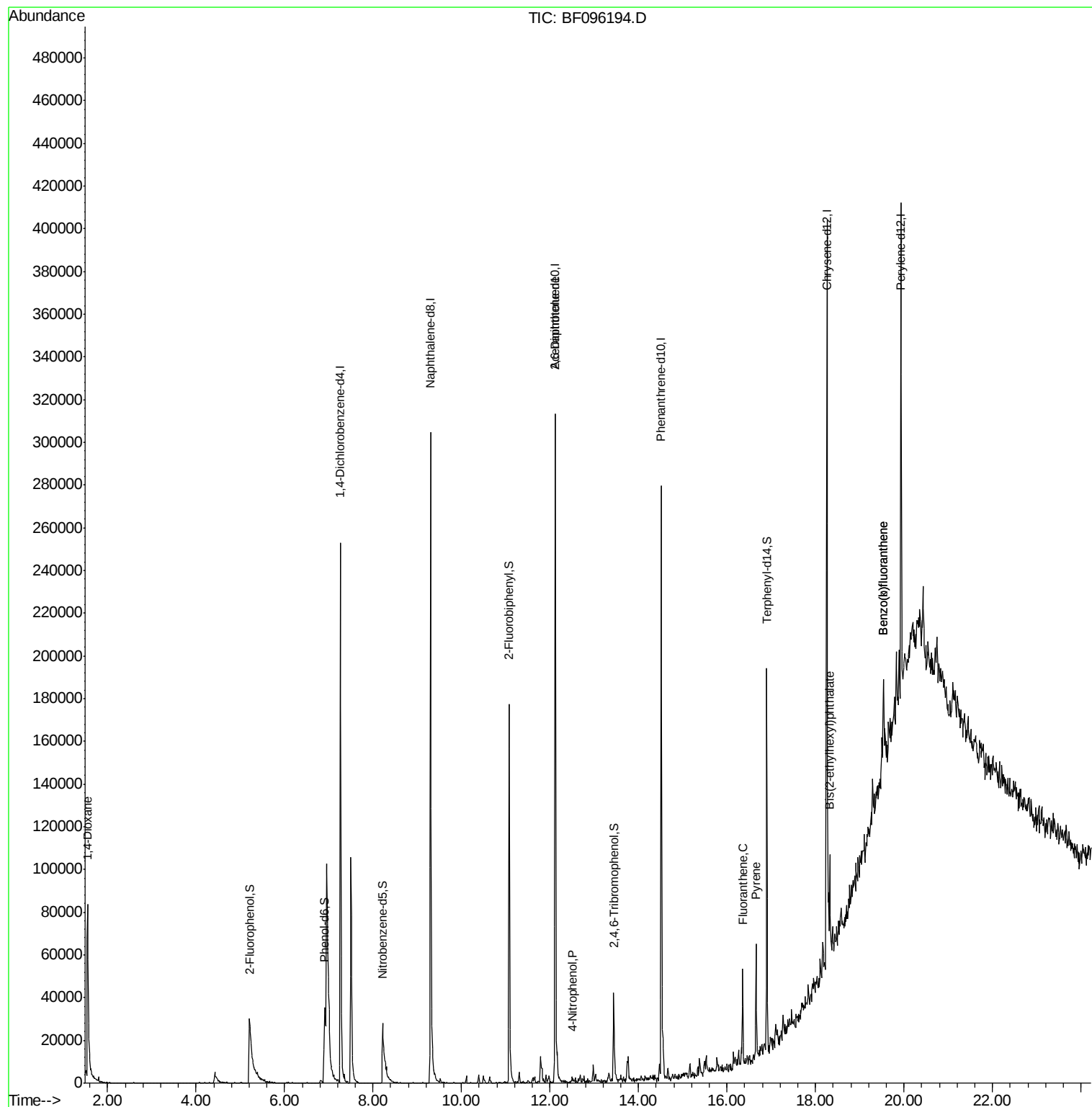
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	66070	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	254755	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	98639	20.00	ng	-0.04
63) Phenanthrene-d10	14.52	188	158644	20.00	ng	-0.02
75) Chrysene-d12	18.26	240	145637	20.00	ng	-0.02
86) Perylene-d12	19.93	264	104058	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	45730	11.03	ng	0.03
7) Phenol-d6	6.90	99	75461	15.20	ng	0.03
23) Nitrobenzene-d5	8.22	82	41739	10.18	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	10922	12.51	ng	-0.01
44) 2-Fluorobiphenyl	11.07	172	92603	13.06	ng	-0.04
78) Terphenyl-d14	16.90	244	66543	11.34	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.55	88	4155	2.11	ng	# 25
50) 2,6-Dinitrotoluene	12.12	165	11989	7.34	ng	# 31
55) 4-Nitrophenol	12.50	139	242	4.83	ng	# 25
74) Fluoranthene	16.35	202	25600	2.83	ng	99
77) Pyrene	16.66	202	25996	2.39	ng	98
83) Bis(2-ethylhexyl)phthalate	18.33	149	14731	2.20	ng	# 95
87) Benzo(b)fluoranthene	19.53	252	26012	3.99	ng	# 82
88) Benzo(k)fluoranthene	19.53	252	26012	4.18	ng	# 86

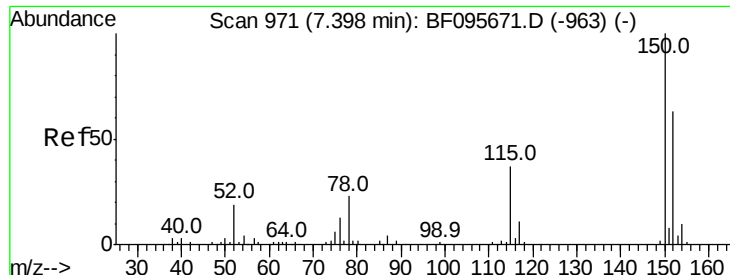
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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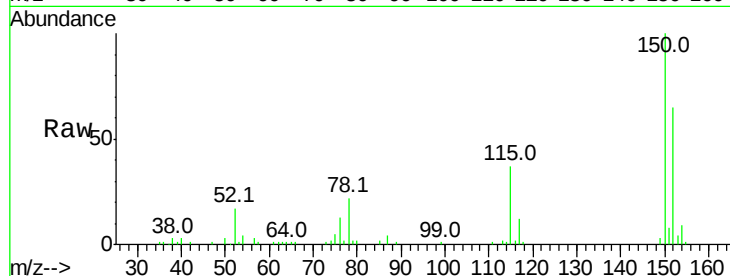


#1

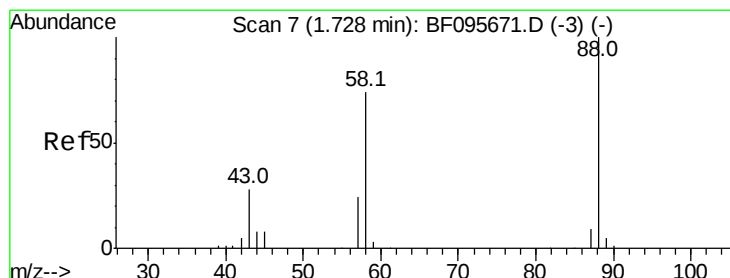
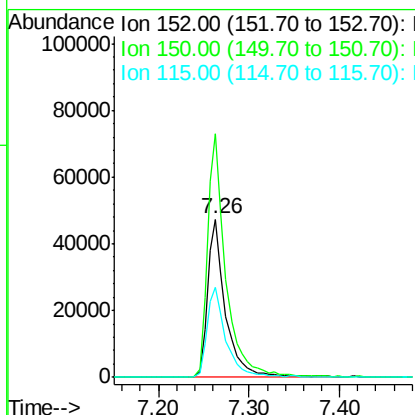
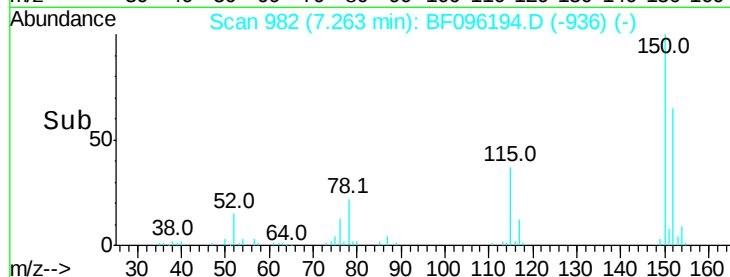
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096194.D
Acq: 24 Jun 2017 17:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 66070
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.2
115 57.4 52.2 78.2



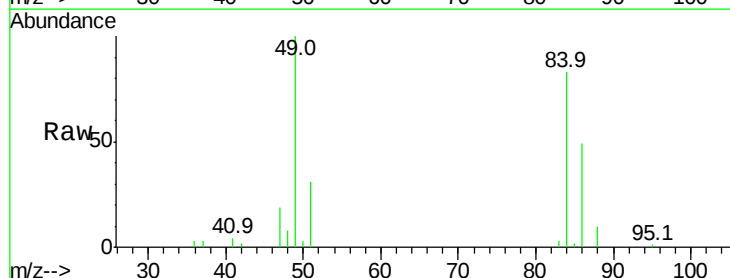
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



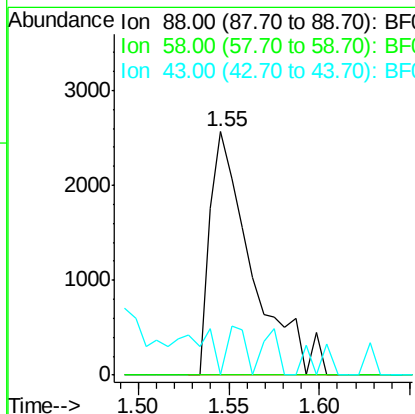
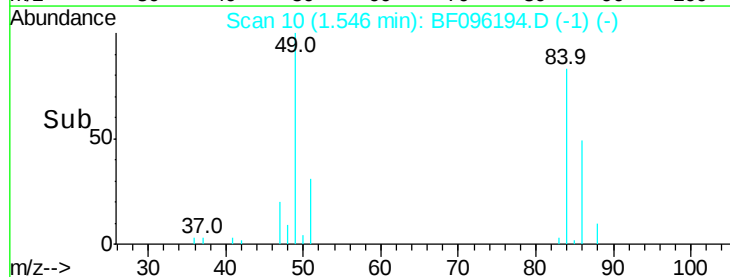
#2

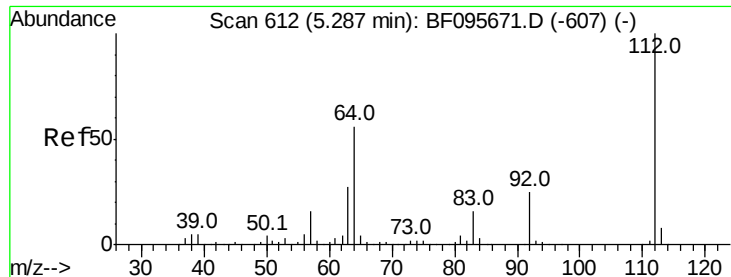
1,4-Dioxane
Concen: 2.11 ng
RT: 1.55 min Scan# 10
Delta R.T. -0.06 min
Lab File: BF096194.D
Acq: 24 Jun 2017 17:15

Tgt Ion: 88 Resp: 4155
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 8.4 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 11.03 ng

RT: 5.21 min Scan# 633

Delta R.T. 0.03 min

Lab File: BF096194.D

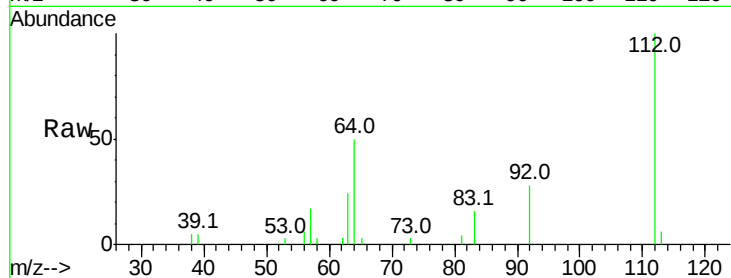
Acq: 24 Jun 2017 17:15

Instrument :

BNA_F

ClientSampled :

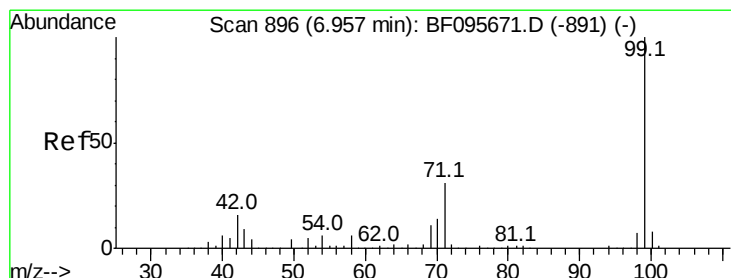
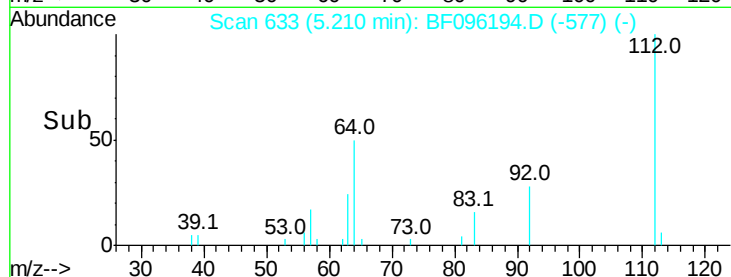
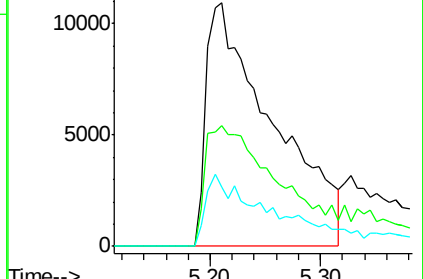
Tot Ion:	112	Resp:	45730
Ion	Ratio	Lower	Upper
112	100		
64	49.8	46.0	69.0
63	24.4	23.4	35.0



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: 15.20 ng

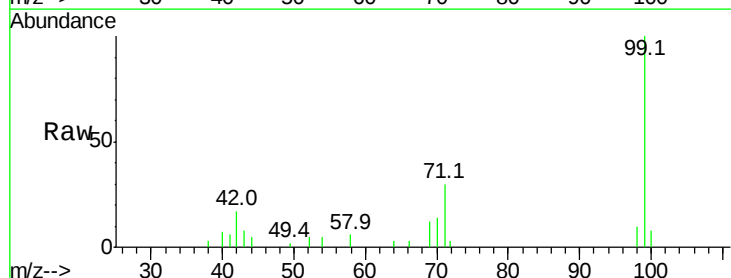
RT: 6.90 min Scan# 921

Delta R.T. 0.03 min

Lab File: BF096194.D

Acq: 24 Jun 2017 17:15

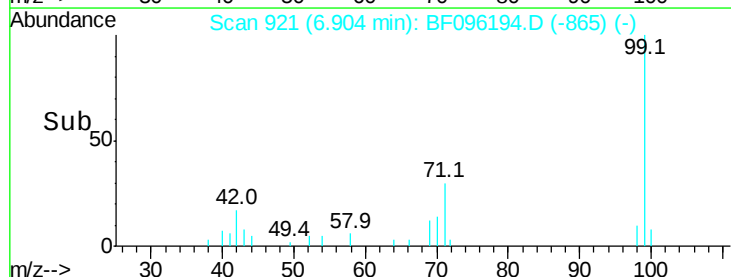
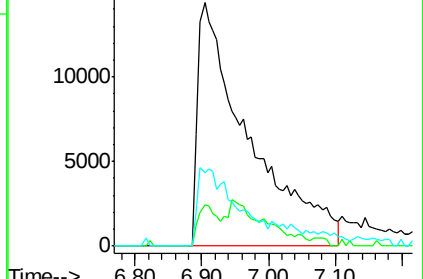
Tgt Ion:	99	Resp:	75461
Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.5	20.3
71	29.9	24.5	36.7



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: 9.30 min Scan# 1328

Delta R.T. -0.03 min

Lab File: BF096194.D

Acq: 24 Jun 2017 17:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 254755

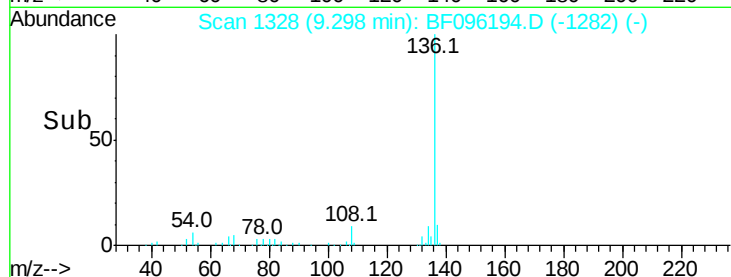
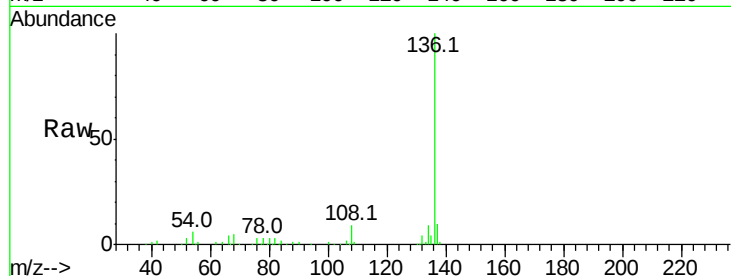
Ion Ratio Lower Upper

136 100

137 9.7 8.5 12.7

54 6.1 4.9 7.3

68 5.2 4.1 6.1

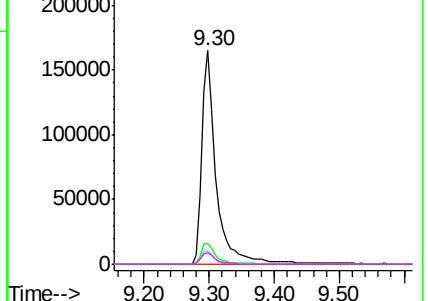


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.18 ng

RT: 8.22 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF096194.D

Acq: 24 Jun 2017 17:15

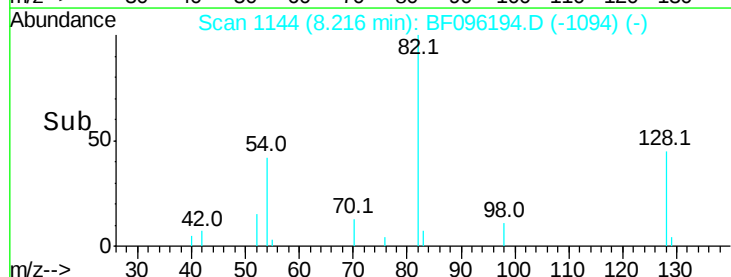
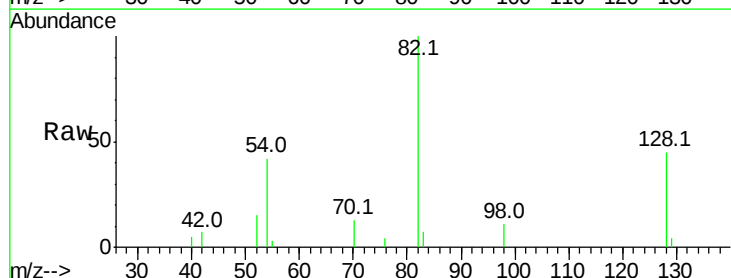
Tgt Ion: 82 Resp: 41739

Ion Ratio Lower Upper

82 100

128 44.5 34.0 51.0

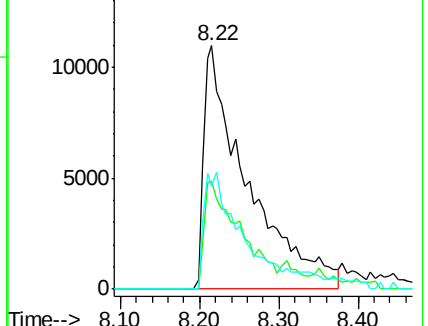
54 42.5 42.2 63.2



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

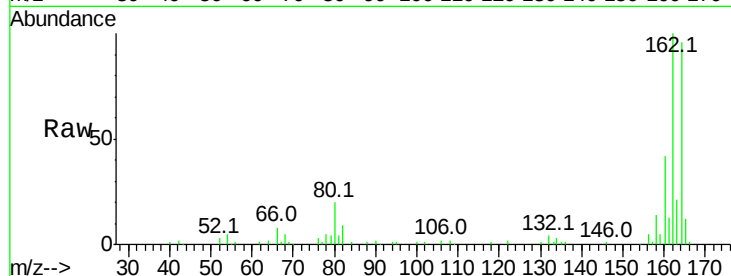




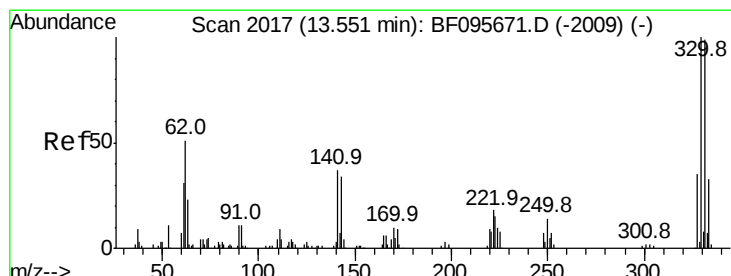
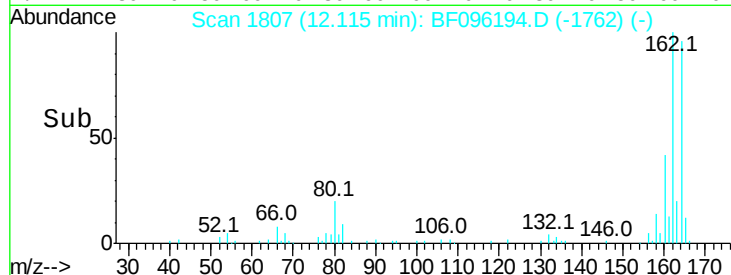
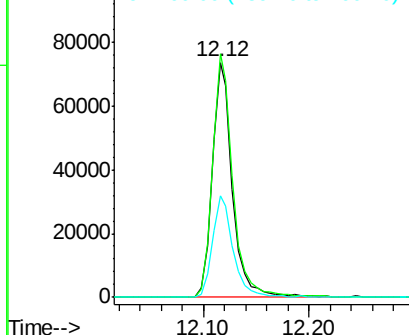
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.12 min Scan# 1807
 Delta R.T. -0.04 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 98639
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.6 123.8
 160 43.5 36.2 54.2

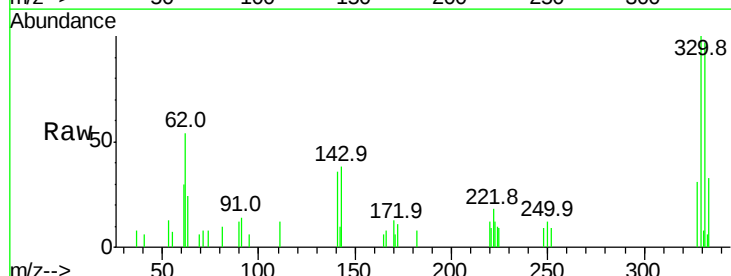


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

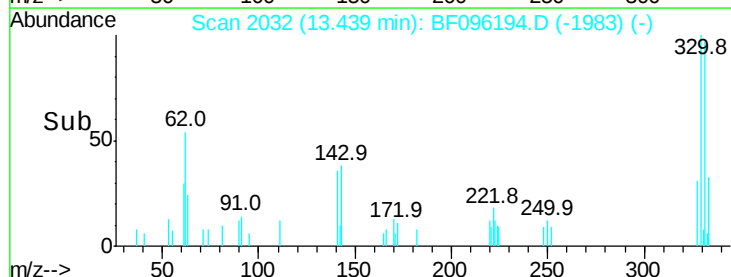
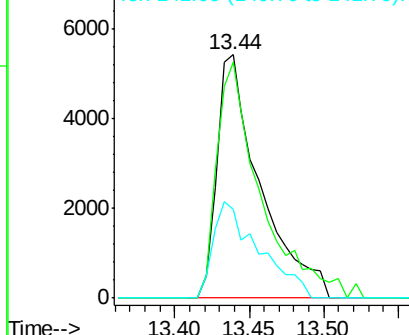


#41
 2,4,6-Tribromophenol
 Concen: 12.51 ng
 RT: 13.44 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

Tgt Ion:330 Resp: 10922
 Ion Ratio Lower Upper
 330 100
 332 99.4 76.6 115.0
 141 42.0 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

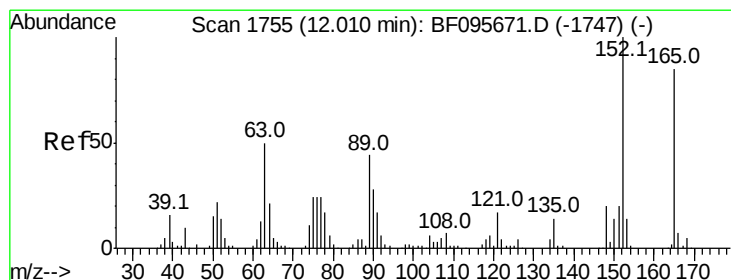
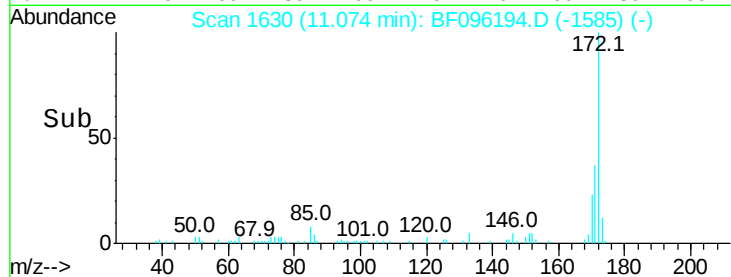
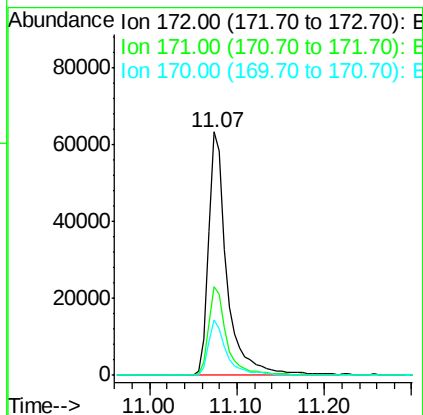
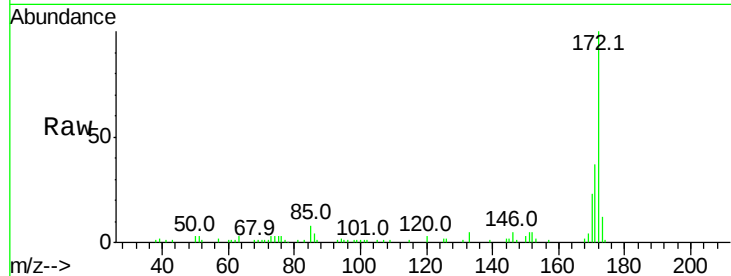




#44
 2-Fluorobiphenyl
 Concen: 13.06 ng
 RT: 11.07 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

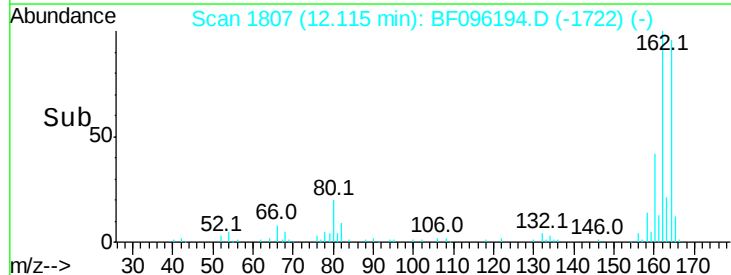
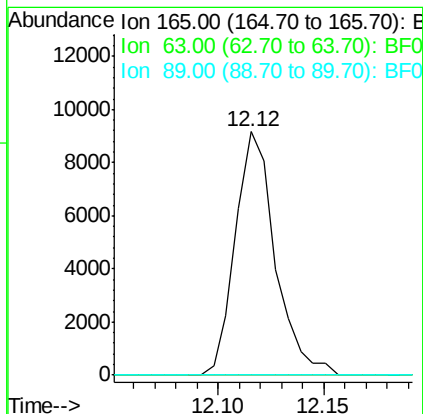
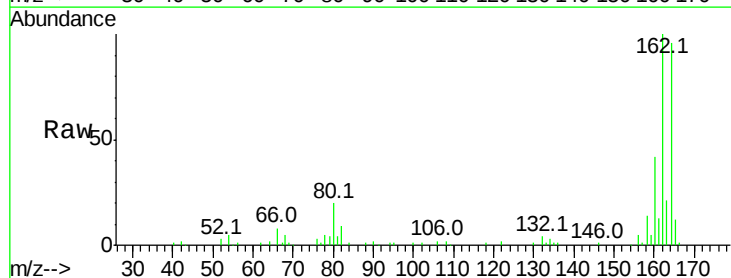
Instrument :
 BNA_F
 ClientSampleId :

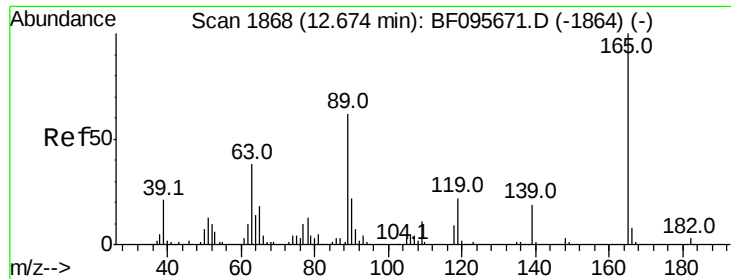
Tot Ion:172 Resp: 92603
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 22.5 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.34 ng
 RT: 12.12 min Scan# 1807
 Delta R.T. 0.20 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

Tgt Ion:165 Resp: 11989
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

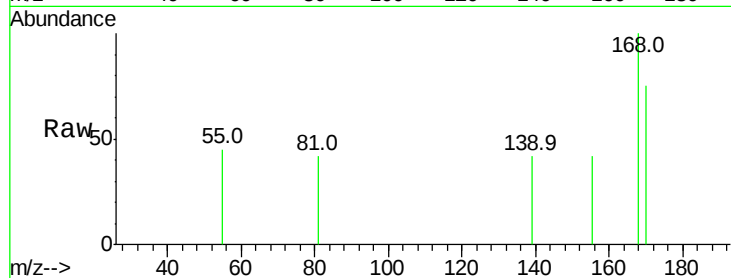




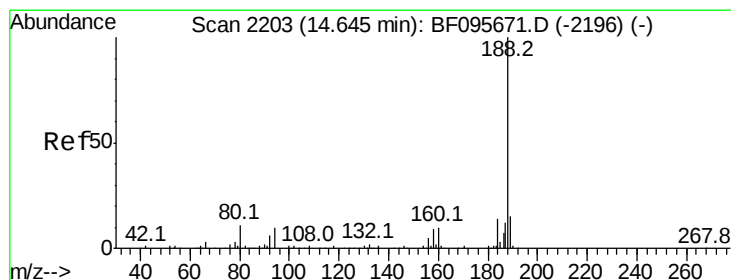
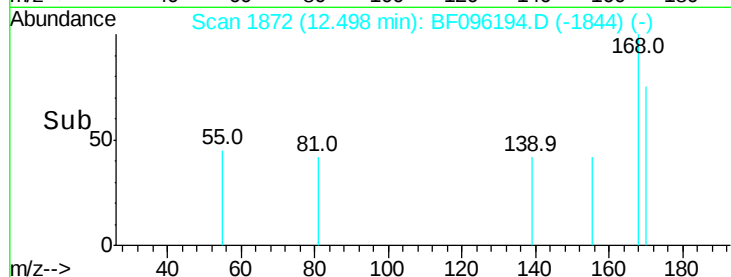
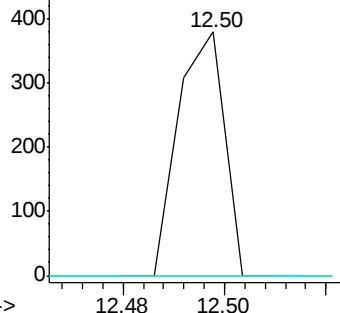
#55
4-Nitrophenol
Concen: 4.83 ng
RT: 12.50 min Scan# 1872
Delta R.T. -0.14 min
Lab File: BF096194.D
Acq: 24 Jun 2017 17:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 242
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

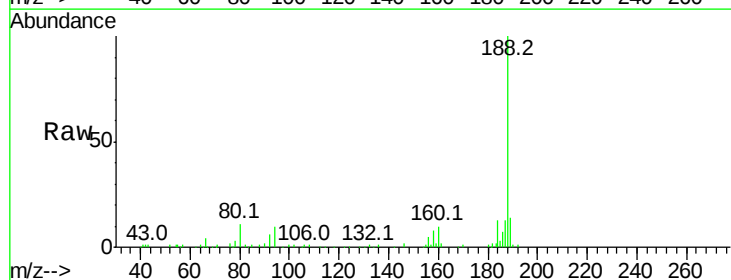


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

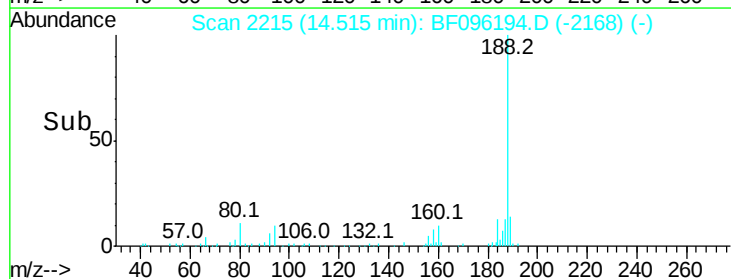
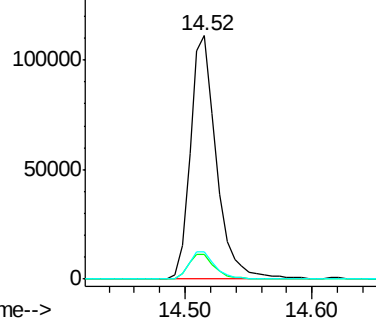


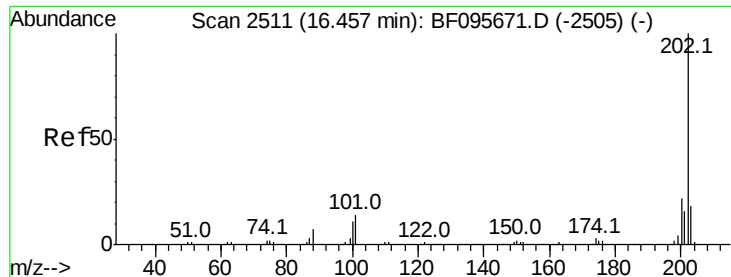
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.52 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF096194.D
Acq: 24 Jun 2017 17:15

Tgt Ion:188 Resp: 158644
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 11.3 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

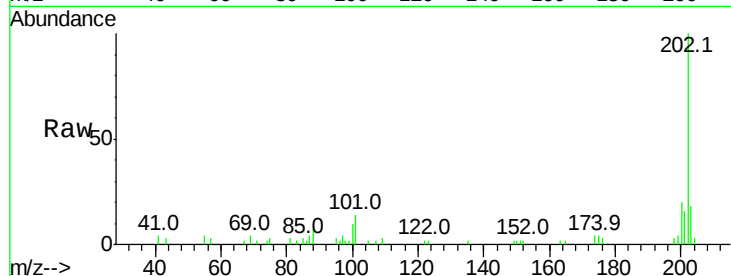




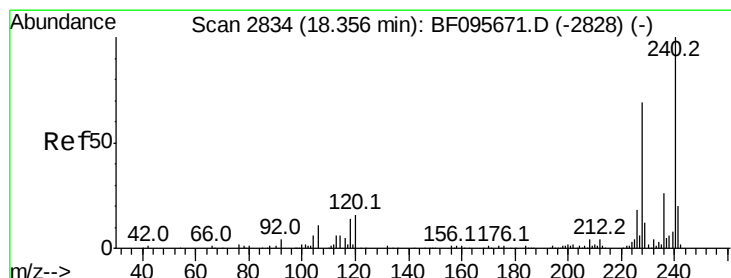
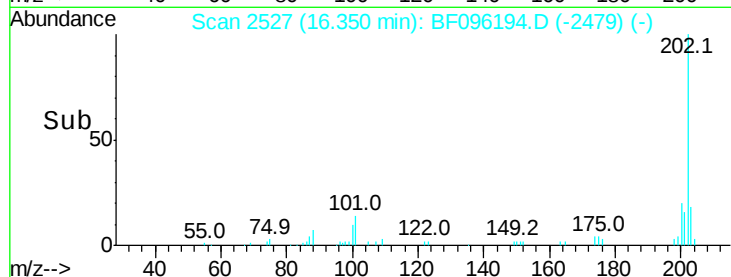
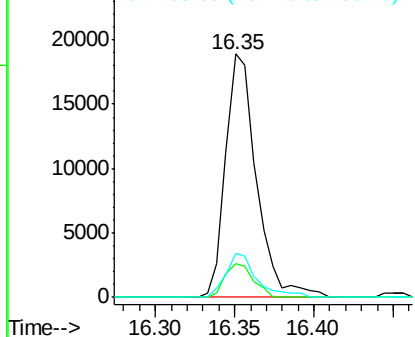
#74
 Fluoranthene
 Concen: 2.83 ng
 RT: 16.35 min Scan# 2527
 Delta R.T. -0.02 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 25600
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 33.2
 203 18.3 0.0 38.1

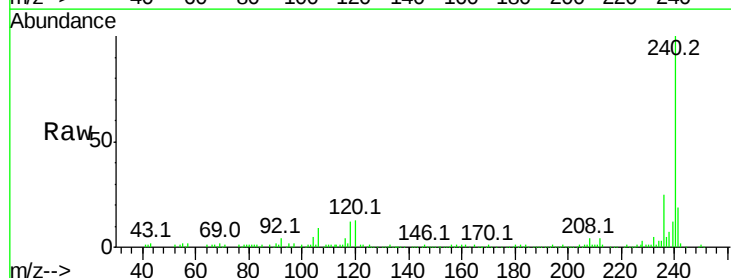


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

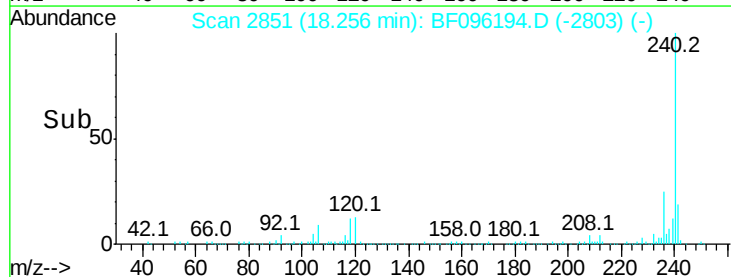
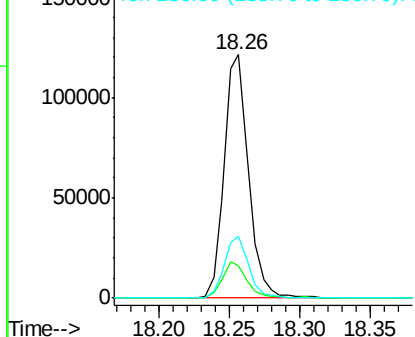


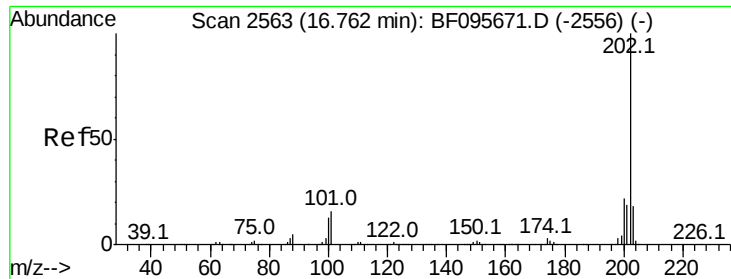
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.02 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

Tgt Ion:240 Resp: 145637
 Ion Ratio Lower Upper
 240 100
 120 13.1 5.8 8.8#
 236 25.4 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

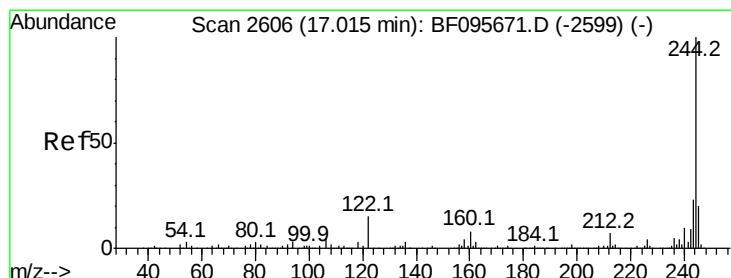
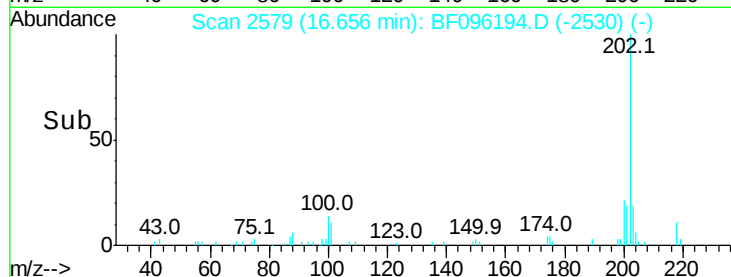
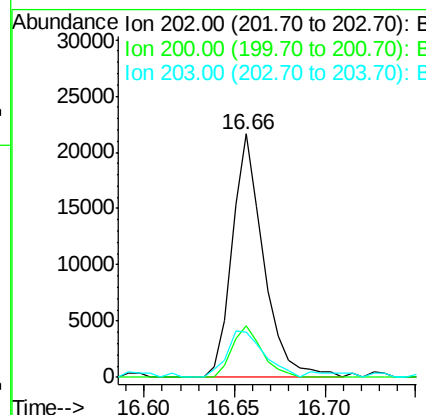
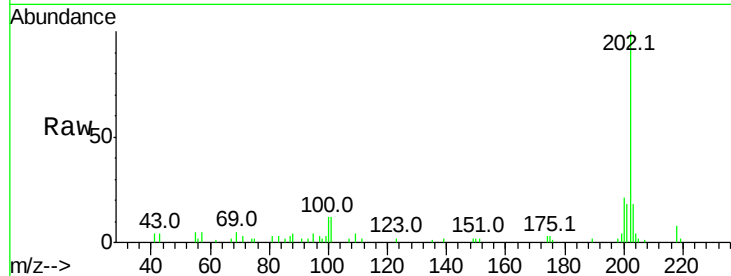




#77
 Pvrene
 Concen: 2.39 ng
 RT: 16.66 min Scan# 2579
 Delta R.T. -0.01 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

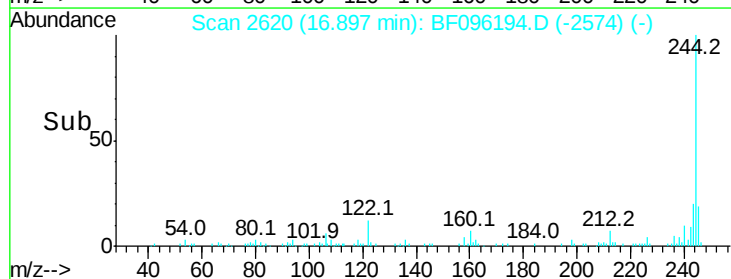
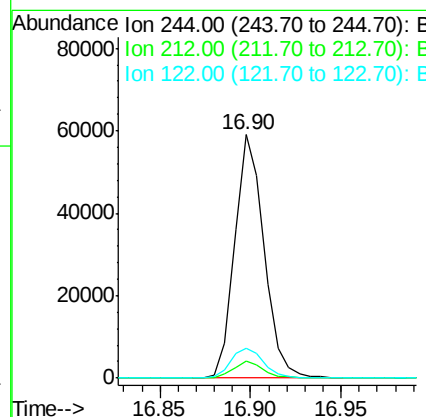
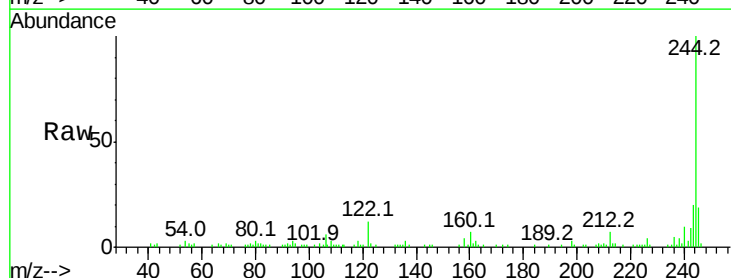
Instrument :
 BNA_F
 ClientSampled :

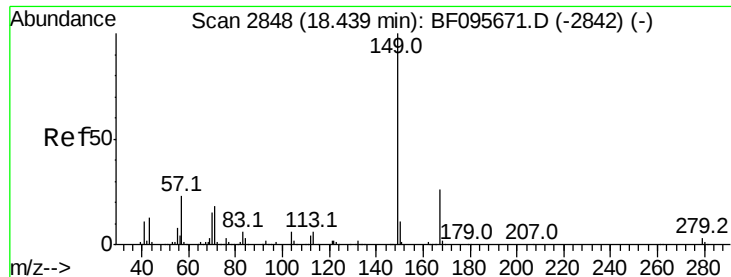
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.4	14.4	21.6



#78
 Terphenyl-d14
 Concen: 11.34 ng
 RT: 16.90 min Scan# 2620
 Delta R.T. -0.03 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	12.3	10.3	15.5

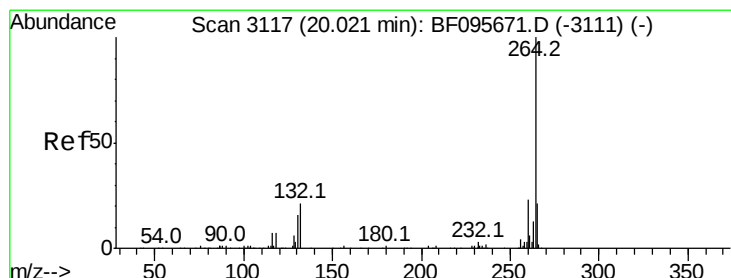
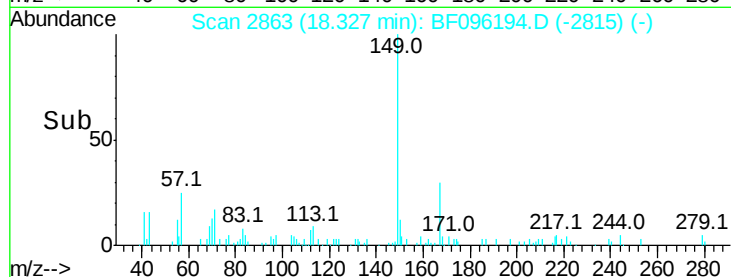
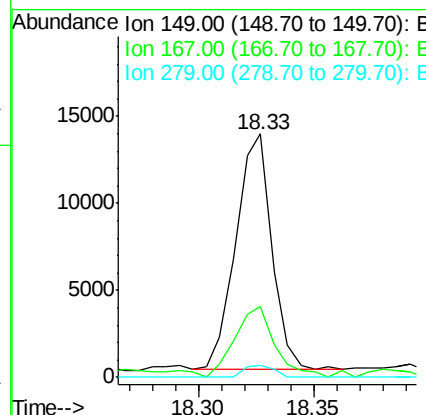
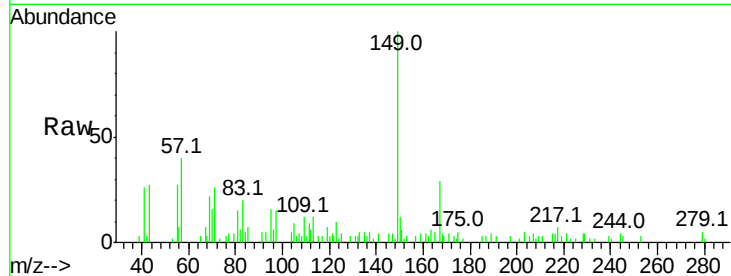




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.20 ng
 RT: 18.33 min Scan# 2863
 Delta R.T. -0.02 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

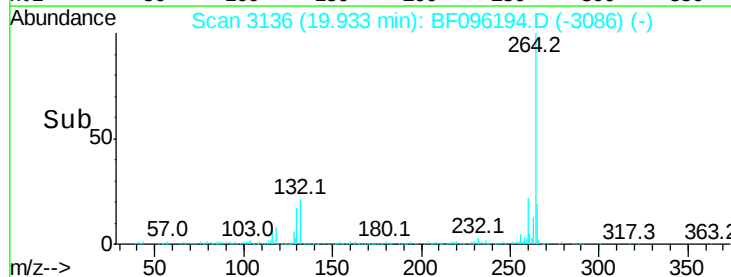
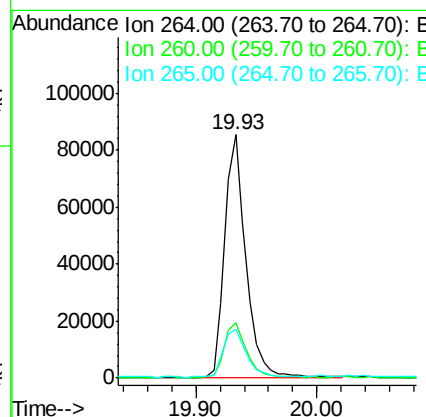
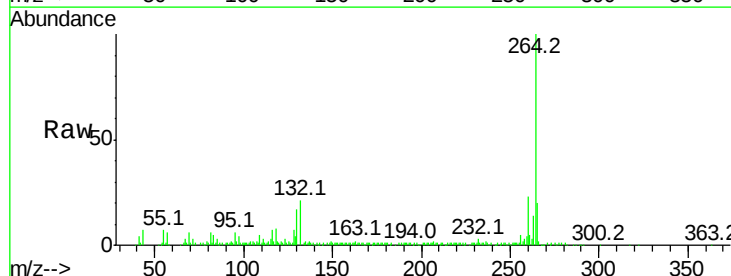
Instrument :
 BNA_F
 ClientSampleId :

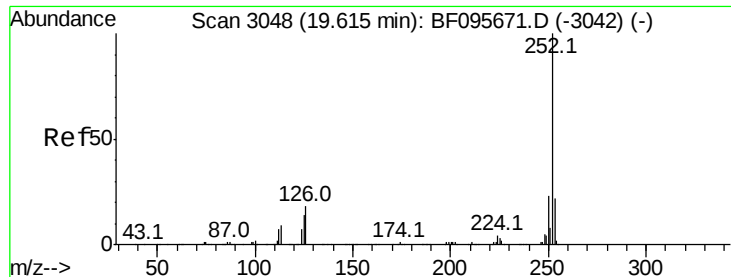
Tot Ion:149 Resp: 14731
 Ion Ratio Lower Upper
 149 100
 167 28.8 21.0 31.4
 279 4.9 1.9 2.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.93 min Scan# 3136
 Delta R.T. -0.01 min
 Lab File: BF096194.D
 Acq: 24 Jun 2017 17:15

Tgt Ion:264 Resp: 104058
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.5 29.3
 265 20.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.99 ng

RT: 19.53 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BF096194.D

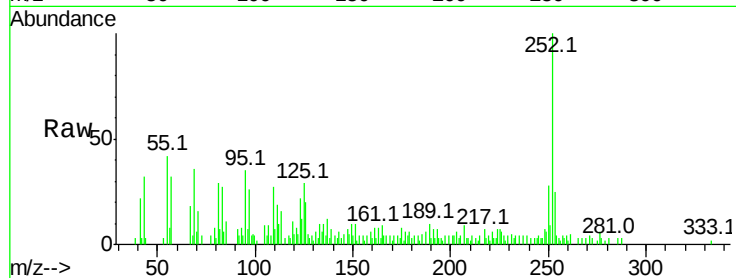
Acq: 24 Jun 2017 17:15

Instrument :

BNA_F

ClientSampleId :

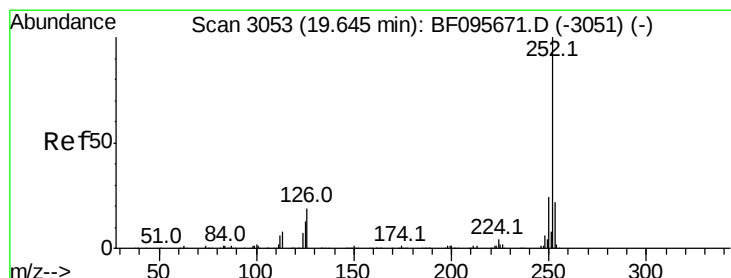
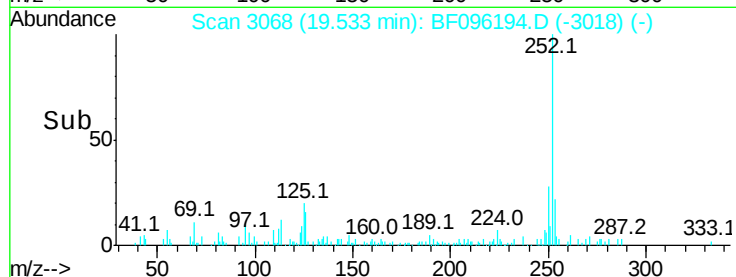
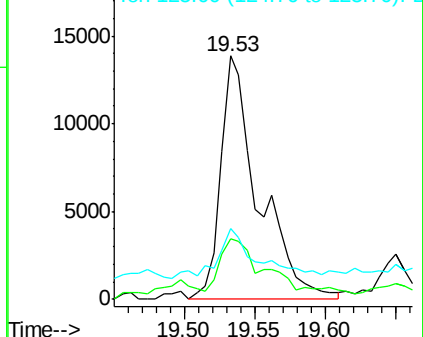
Tot Ion:	252	Resp:	26012
Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	28.8	9.8	14.8#



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: 4.18 ng

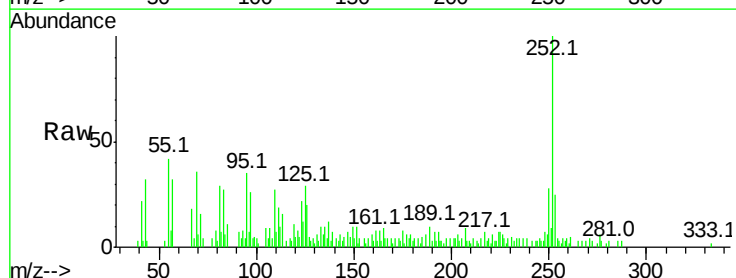
RT: 19.53 min Scan# 3068

Delta R.T. -0.04 min

Lab File: BF096194.D

Acq: 24 Jun 2017 17:15

Tgt Ion:	252	Resp:	26012
Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	28.8	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

