

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096030.D
 Acq On : 20 Jun 2017 6:19
 Operator : SJ/MA
 Sample : I3688-17
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 20 07:18:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	65372	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	251338	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	97633	20.00	ng	-0.02
63) Phenanthrene-d10	14.55	188	154992	20.00	ng	-0.02
75) Chrysene-d12	18.28	240	128562	20.00	ng	-0.02
86) Perylene-d12	19.96	264	91612	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	479841	116.96	ng	-0.01
7) Phenol-d6	6.89	99	576722	117.42	ng	-0.02
23) Nitrobenzene-d5	8.23	82	310771	76.79	ng	-0.02
41) 2,4,6-Tribromophenol	13.46	330	83603	96.78	ng	-0.02
44) 2-Fluorobiphenyl	11.12	172	589456	84.02	ng	-0.02
78) Terphenyl-d14	16.93	244	407862	78.73	ng	-0.02

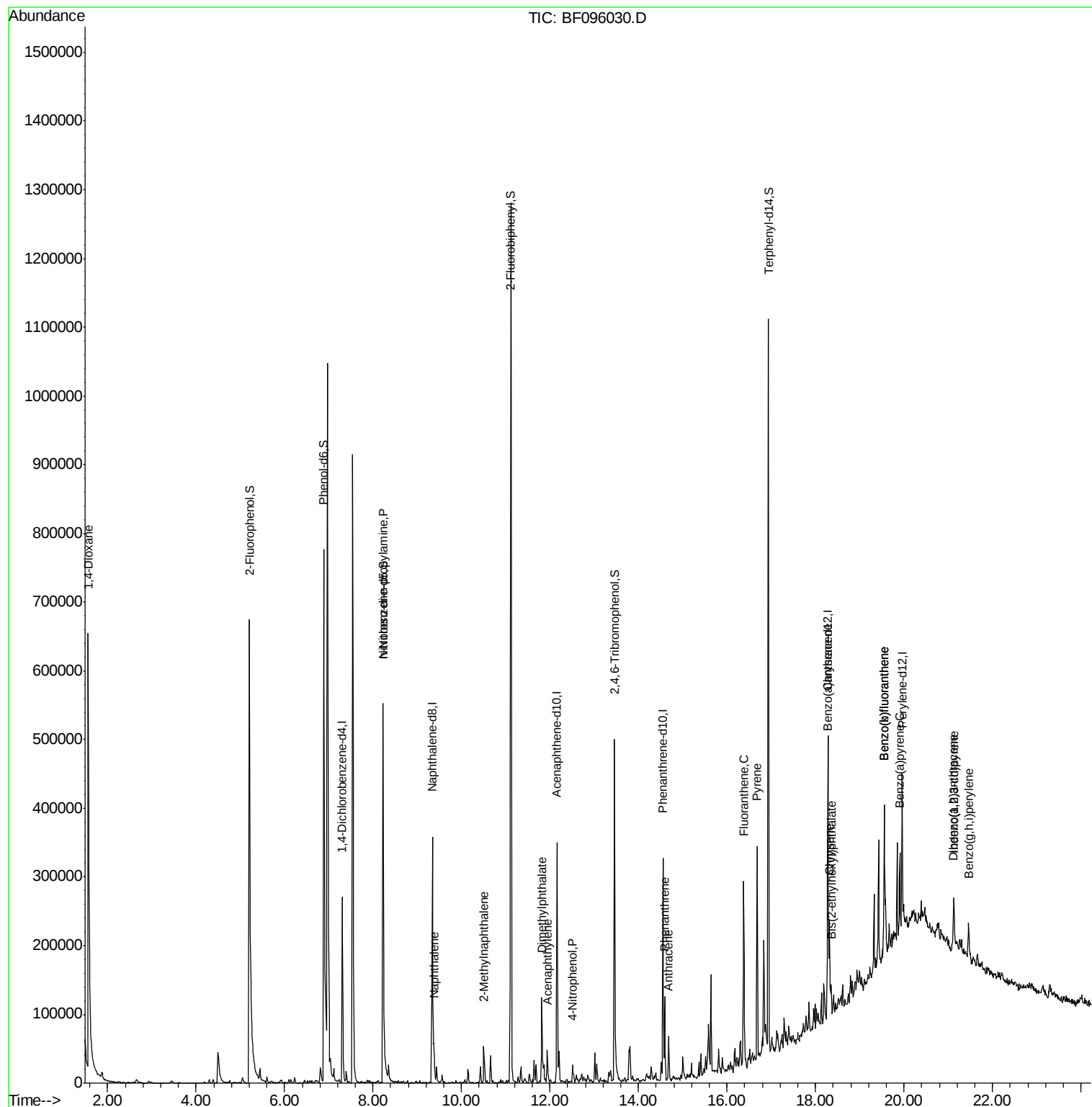
Target Compounds						Qvalue
2) 1,4-Dioxane	1.56	88	33622	17.23	ng	# 21
19) n-Nitroso-di-n-propylamine	8.23	70	38817	12.47	ng	# 76
31) Naphthalene	9.37	128	40093	3.18	ng	96
37) 2-Methylnaphthalene	10.51	142	26280	3.08	ng	94
48) Acenaphthylene	11.93	152	32681	3.04	ng	99
49) Dimethylphthalate	11.82	163	73730	9.95	ng	99
55) 4-Nitrophenol	12.51	139	5292	9.16	ng	# 25
70) Phenanthrene	14.59	178	72310	8.09	ng	98
71) Anthracene	14.68	178	38808	4.16	ng	95
74) Fluoranthene	16.38	202	141667	16.01	ng	96
77) Pyrene	16.68	202	131108	13.67	ng	96
80) Benzo(a)anthracene	18.27	228	66605	8.91	ng	93
82) Chrysene	18.32	228	82204	11.00	ng	98
83) Bis(2-ethylhexyl)phthalate	18.36	149	14341	2.43	ng	# 100
85) Indeno(1,2,3-cd)pyrene	21.13	276	42064	6.58	ng	93
87) Benzo(b)fluoranthene	19.55	252	151802	26.46	ng	96
88) Benzo(k)fluoranthene	19.55	252	151802	27.69	ng	96
89) Benzo(a)pyrene	19.90	252	50897	9.65	ng	# 93
90) Dibenzo(a,h)anthracene	21.11	278	15668	3.50	ng	# 82
91) Benzo(a,h,i)perylene	21.46	276	35449	7.77	ng	# 88

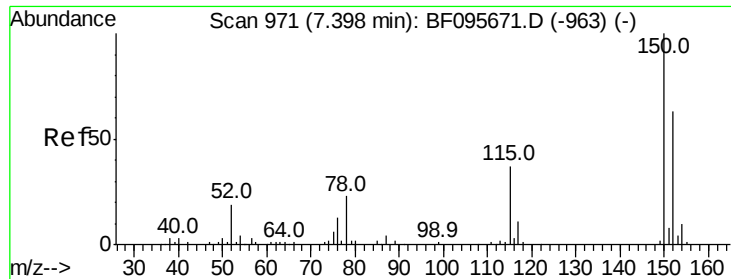
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096030.D
Acq On : 20 Jun 2017 6:19
Operator : SJ/MA
Sample : I3688-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 20 07:18:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 17:12:03 2017
Response via : Initial Calibration



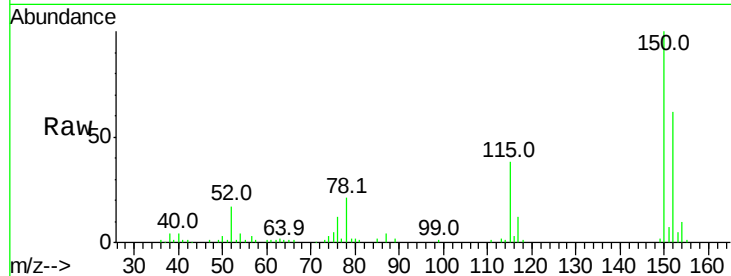


#1

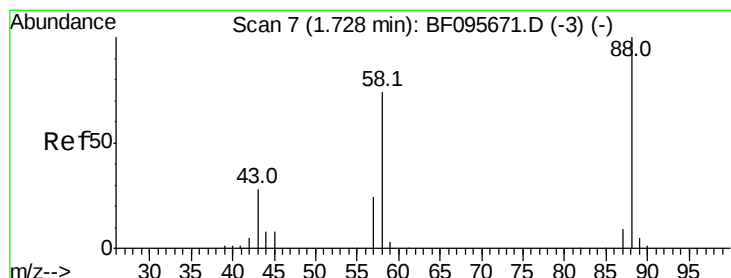
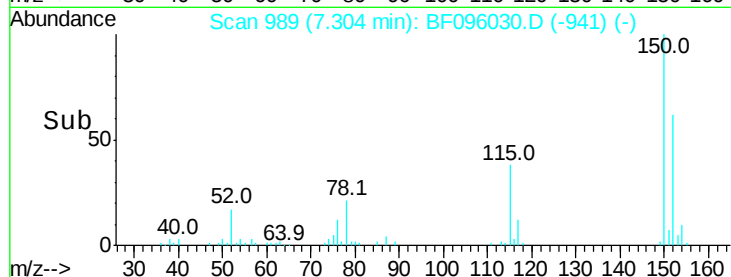
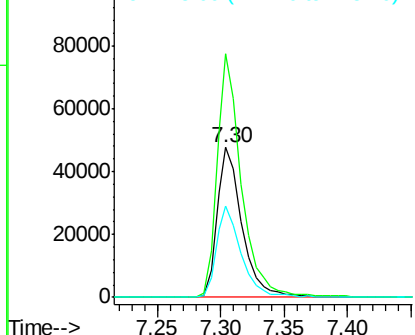
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 65372
Ion Ratio Lower Upper
152 100
150 162.4 126.2 189.2
115 61.0 52.2 78.2



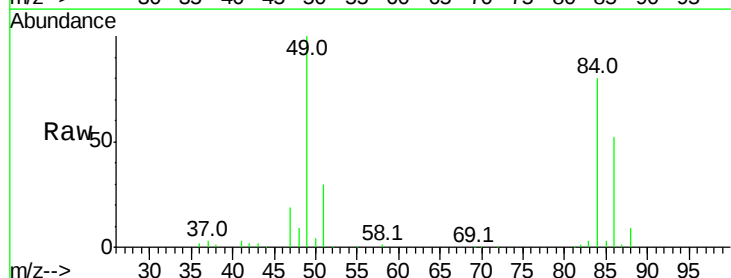
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



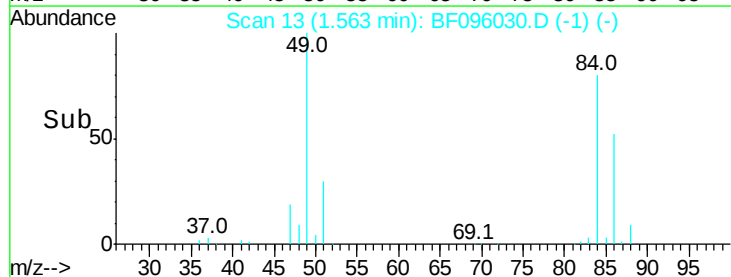
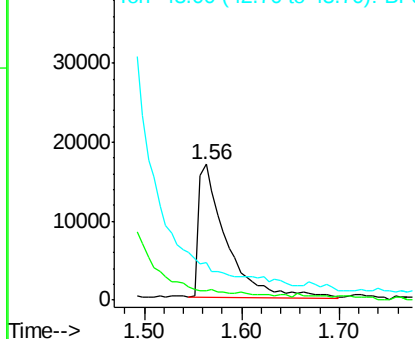
#2

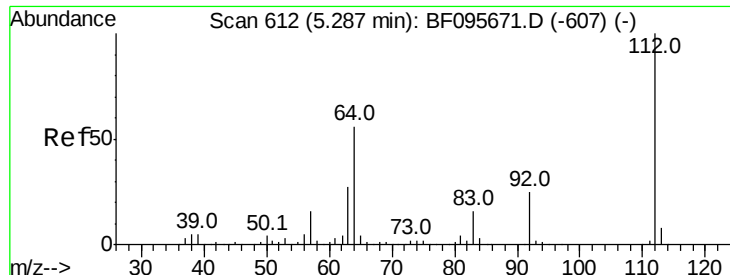
1,4-Dioxane
Concen: 17.23 ng
RT: 1.56 min Scan# 13
Delta R.T. -0.07 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion: 88 Resp: 33622
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 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: 116.96 ng

RT: 5.20 min Scan# 632

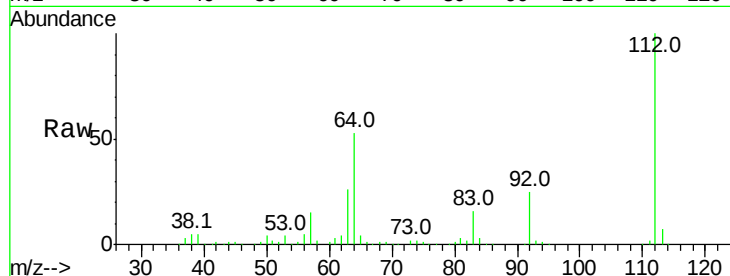
Delta R.T. -0.01 min

Lab File: BF096030.D

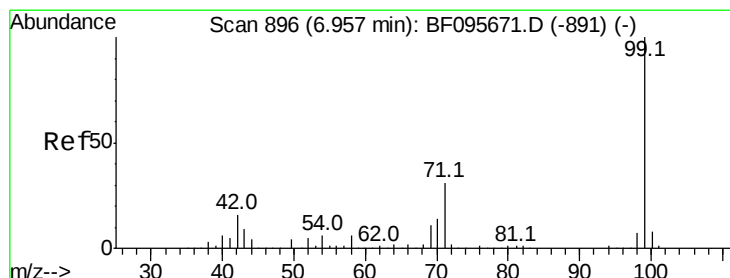
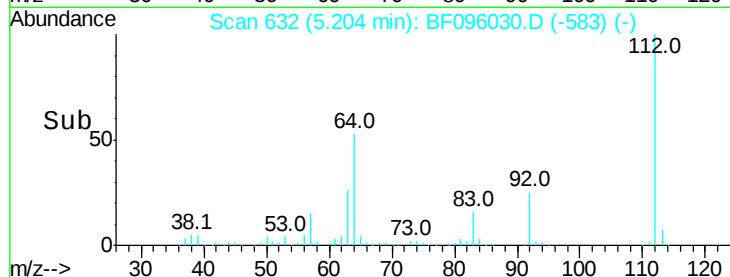
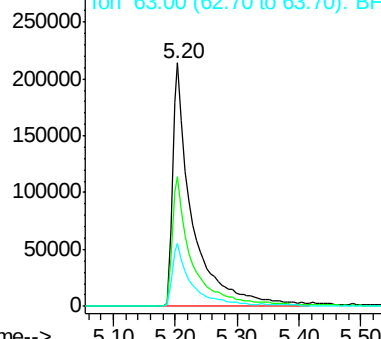
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	112	Resp:	479841
Ion	Ratio	Lower	Upper
112	100		
64	53.4	46.0	69.0
63	25.8	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E



#7

Phenol-d6

Concen: 117.42 ng

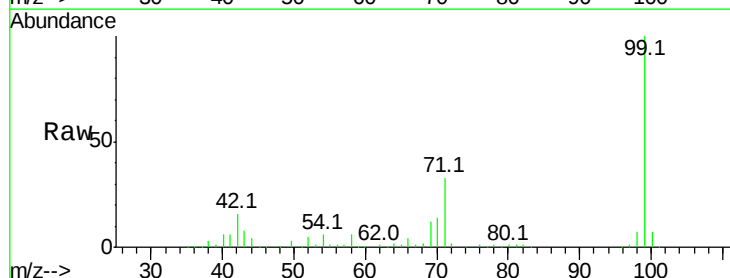
RT: 6.89 min Scan# 918

Delta R.T. -0.02 min

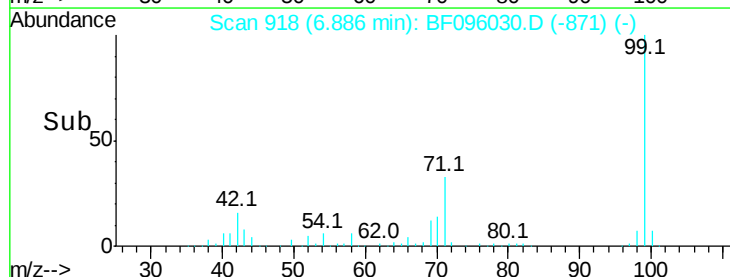
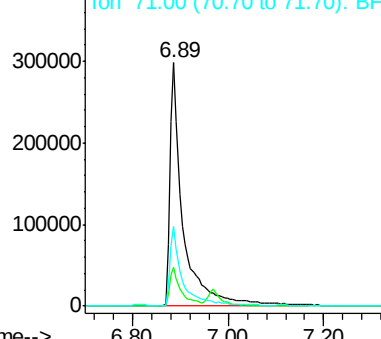
Lab File: BF096030.D

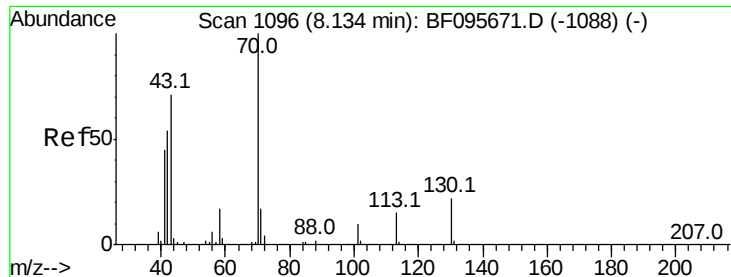
Acq: 20 Jun 2017 6:19

Tgt Ion:	99	Resp:	576722
Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	32.6	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

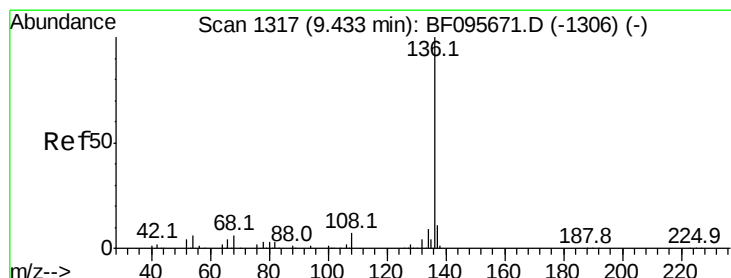
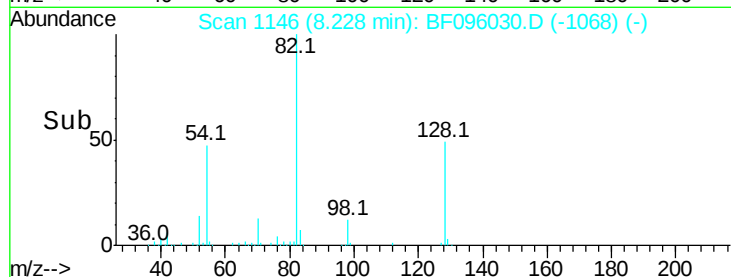
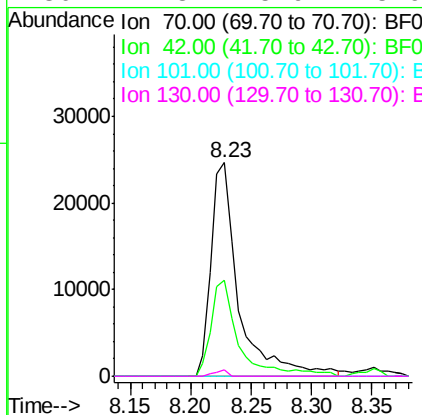
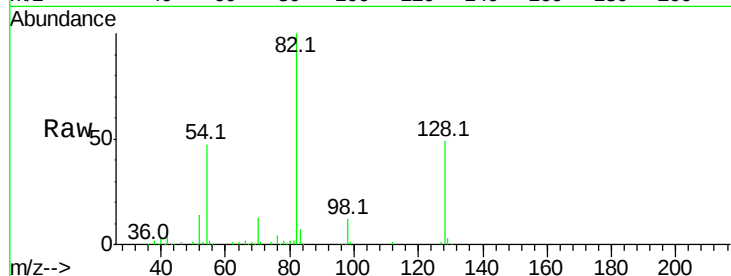




#19
n-Nitroso-di-n-propylamine
Concen: 12.47 ng
RT: 8.23 min Scan# 1146
Delta R.T. 0.16 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

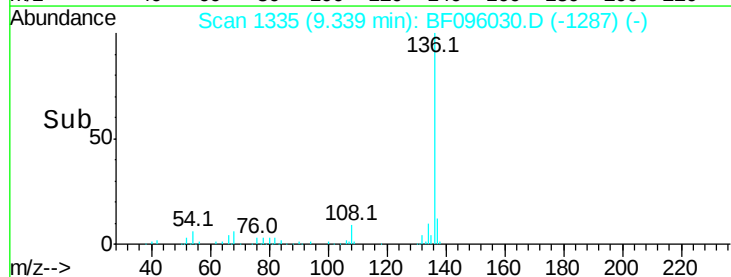
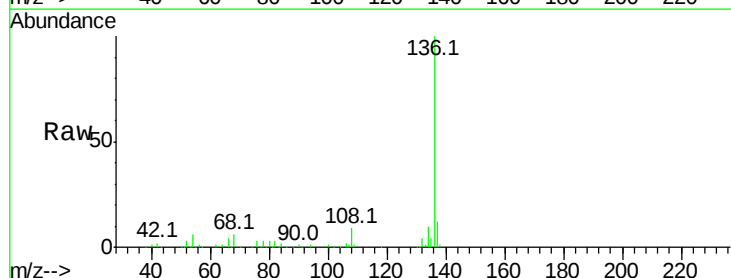
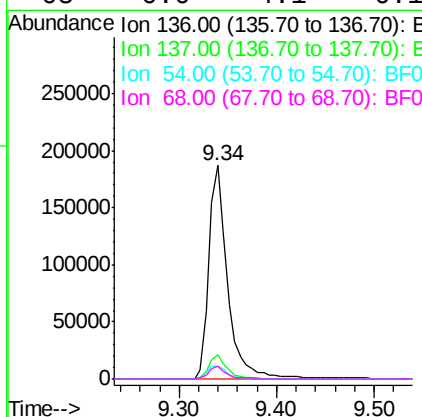
Instrument :
BNA_F
ClientSampleId :

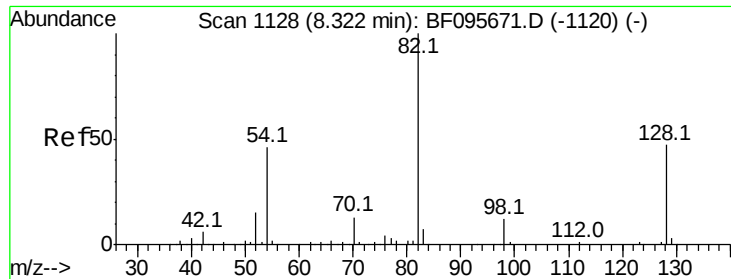
Tot Ion: 70 Resp: 38817
Ion Ratio Lower Upper
70 100
42 45.0 47.2 70.8#
101 0.0 7.2 10.8#
130 2.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.34 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion:136 Resp: 251338
Ion Ratio Lower Upper
136 100
137 11.6 8.5 12.7
54 6.2 4.9 7.3
68 6.0 4.1 6.1

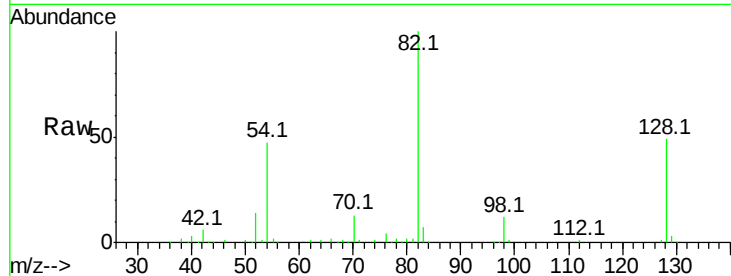




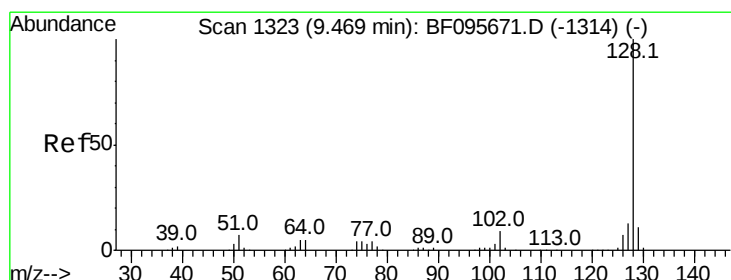
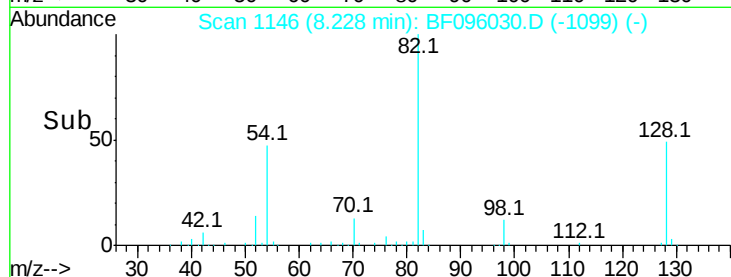
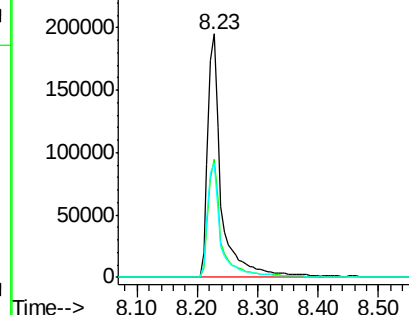
#23
Nitrobenzene-d5
Concen: 76.79 ng
RT: 8.23 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 310771
Ion Ratio Lower Upper
82 100
128 48.6 34.0 51.0
54 46.7 42.2 63.2

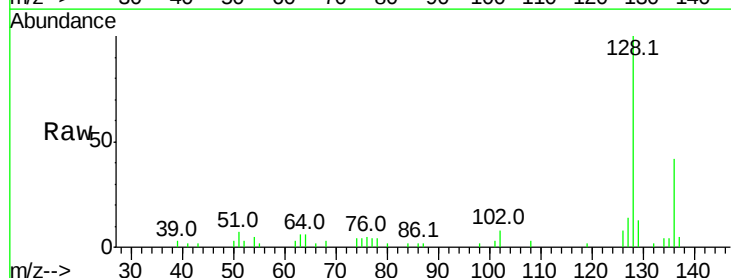


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

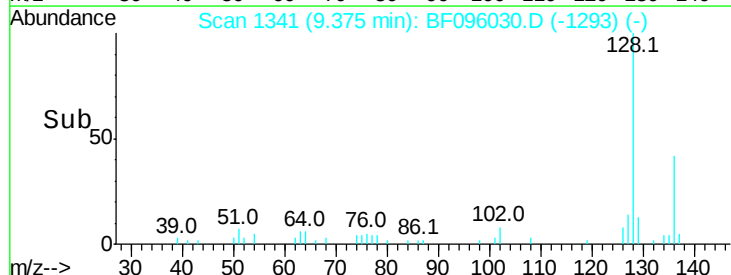
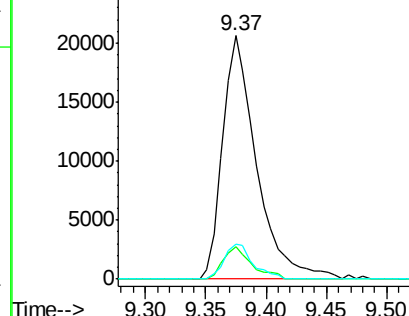


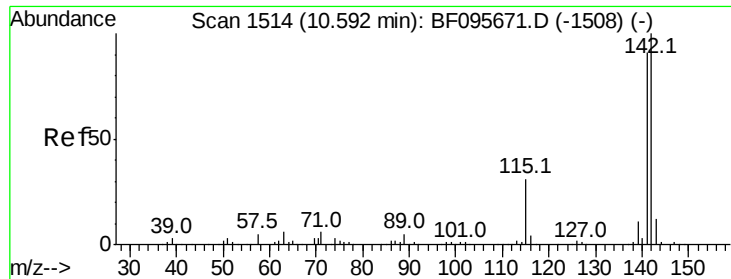
#31
Naphthalene
Concen: 3.18 ng
RT: 9.37 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion:128 Resp: 40093
Ion Ratio Lower Upper
128 100
129 13.4 9.0 13.6
127 14.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

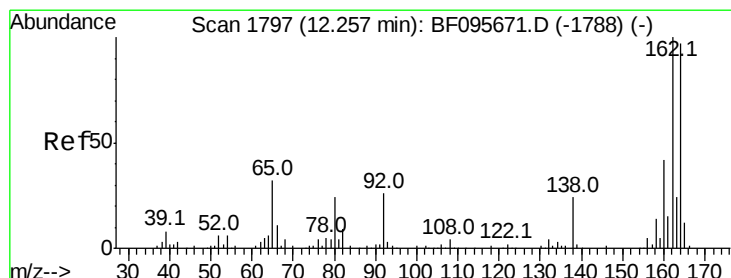
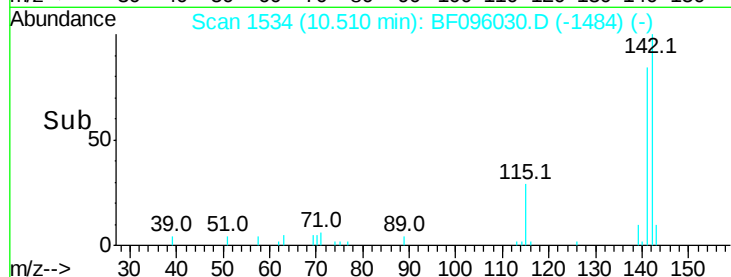
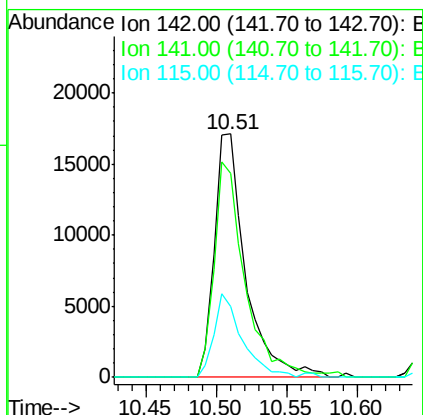
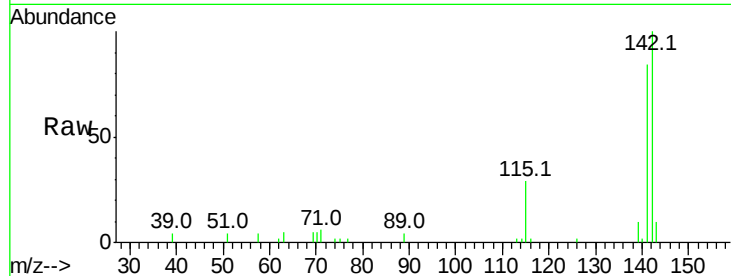




#37
2-Methylnaphthalene
Concen: 3.08 ng
RT: 10.51 min Scan# 1534
Delta R.T. -0.01 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

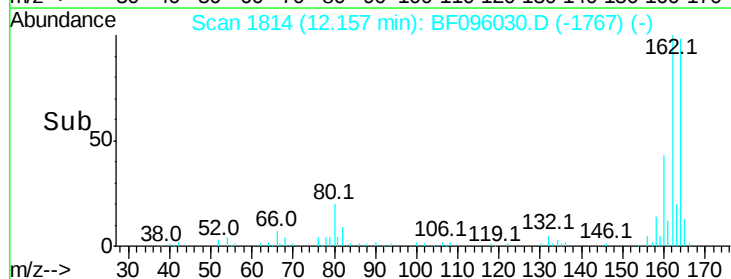
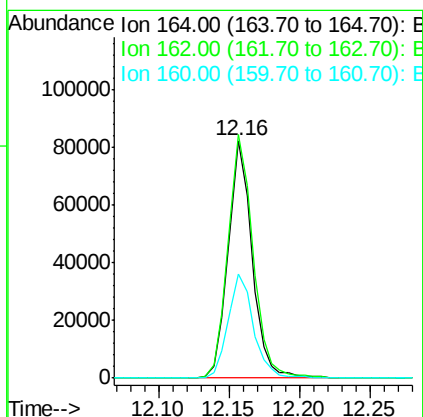
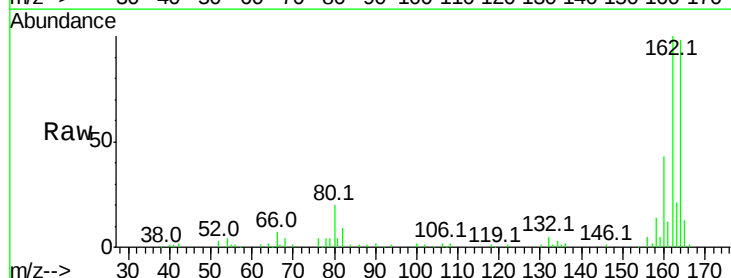
Instrument :
BNA_F
ClientSampleId :

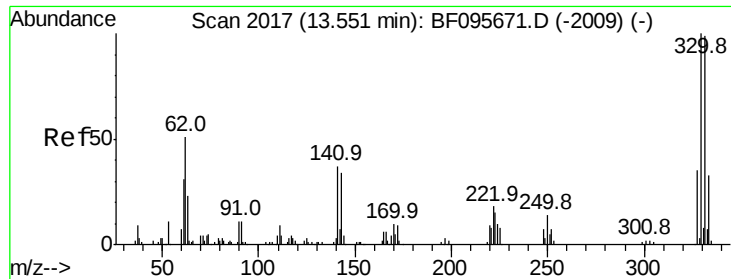
Tot Ion:142 Resp: 26280
Ion Ratio Lower Upper
142 100
141 83.7 71.3 106.9
115 29.2 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.16 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion:164 Resp: 97633
Ion Ratio Lower Upper
164 100
162 102.5 82.6 123.8
160 43.7 36.2 54.2

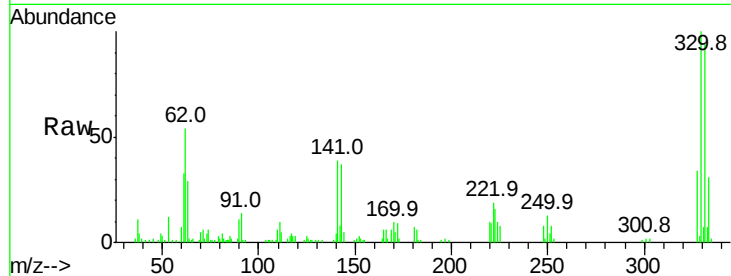




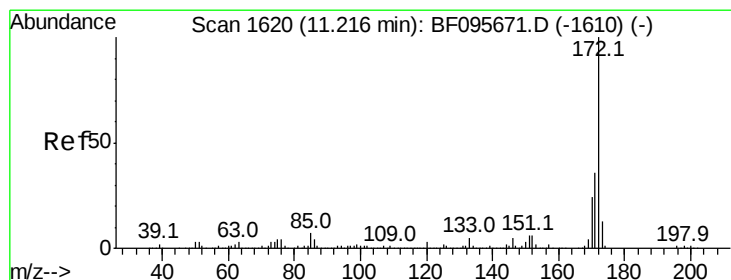
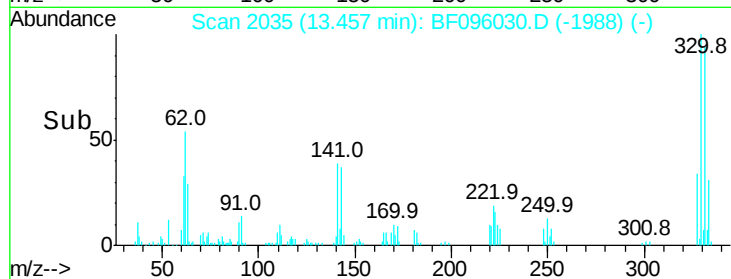
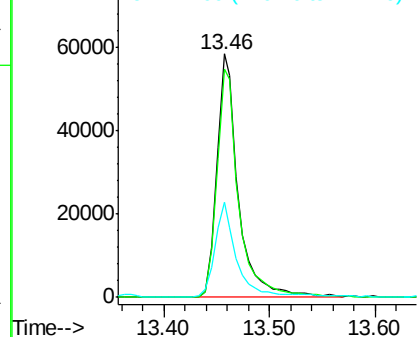
#41
 2,4,6-Tribromophenol
 Concen: 96.78 ng
 RT: 13.46 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF096030.D
 Acq: 20 Jun 2017 6:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 83603
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 41.2 31.4 47.2

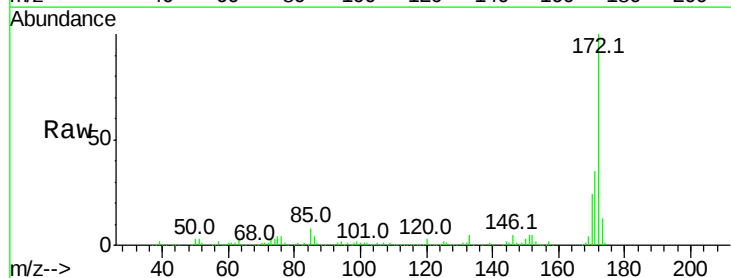


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

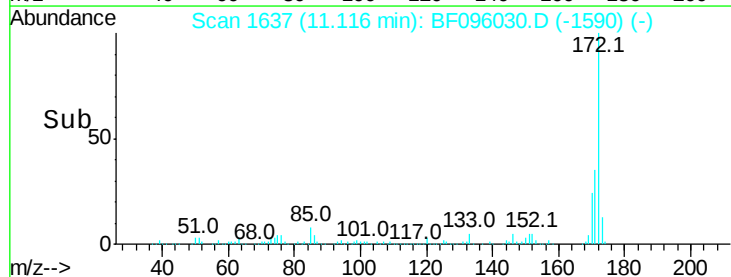
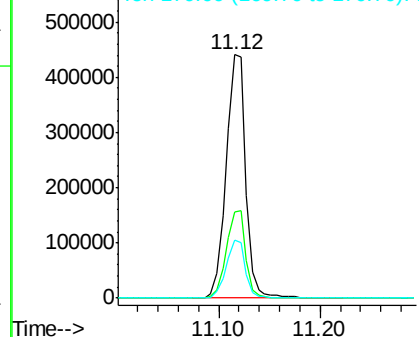


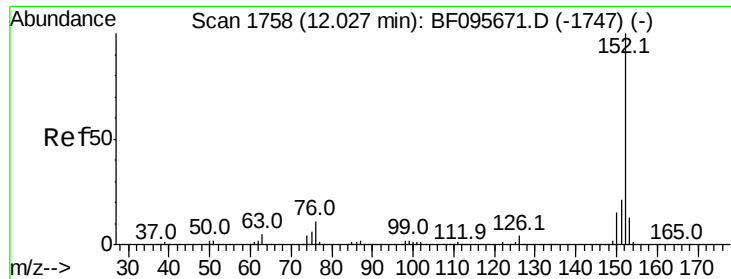
#44
 2-Fluorobiphenyl
 Concen: 84.02 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096030.D
 Acq: 20 Jun 2017 6:19

Tgt Ion:172 Resp: 589456
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 24.0 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





#48

Acenaphthylene

Concen: 3.04 ng

RT: 11.93 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

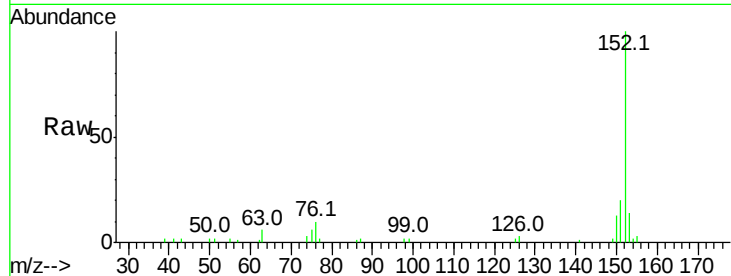
Instrument :

BNA_F

ClientSampleId :

Tot Ion:152 Resp: 32681

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	13.7	10.8	16.2

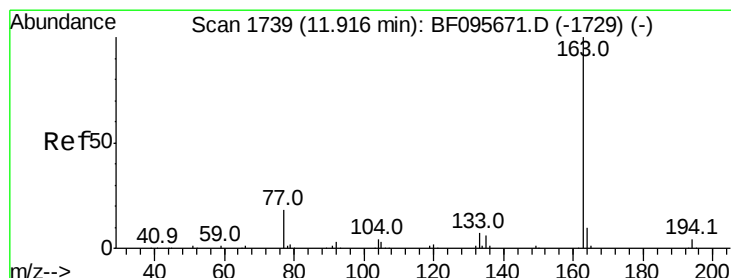
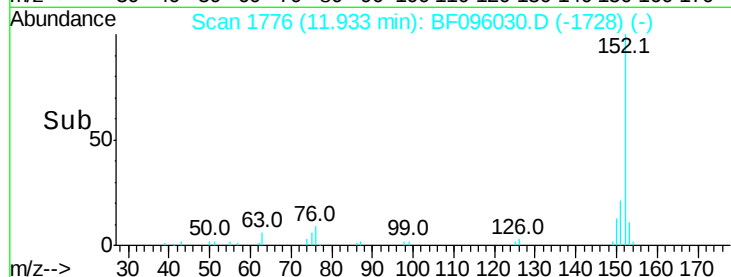
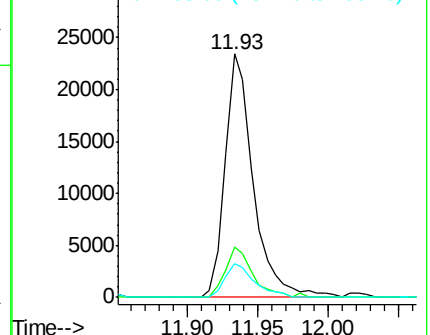


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 9.95 ng

RT: 11.82 min Scan# 1756

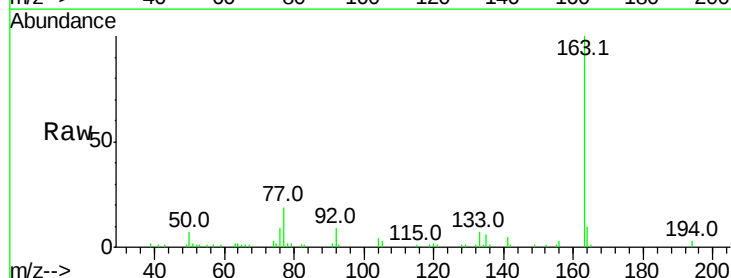
Delta R.T. -0.04 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Tgt Ion:163 Resp: 73730

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.9	8.4	12.6

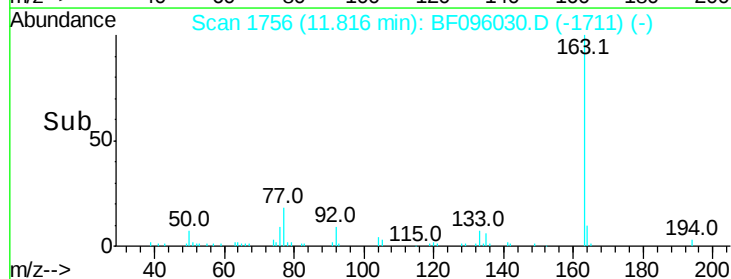
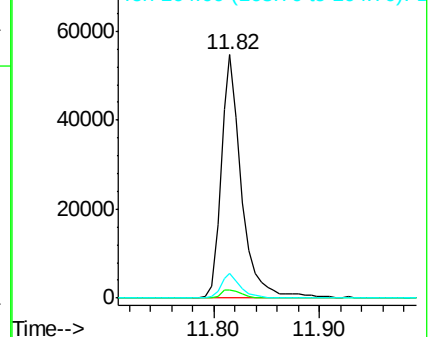


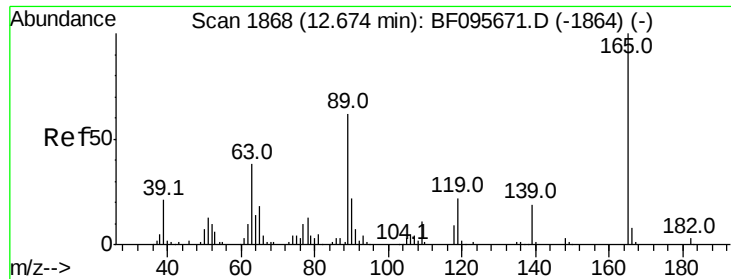
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

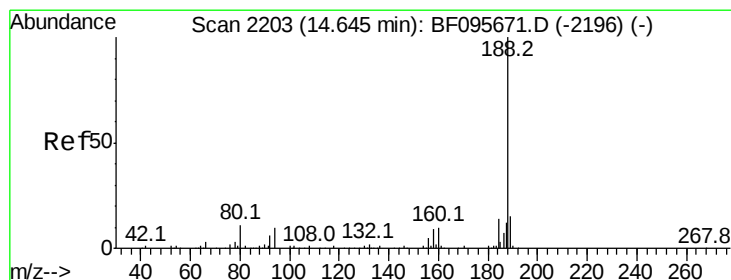
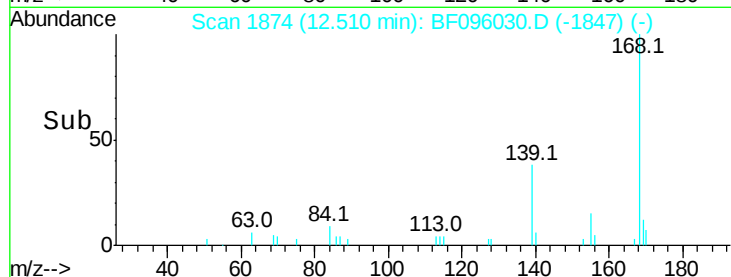
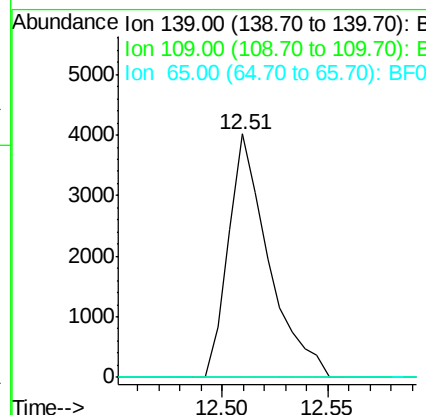
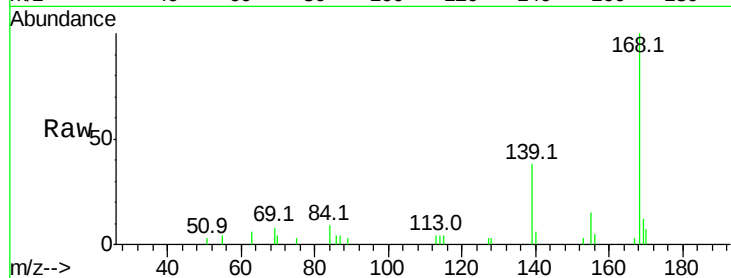




#55
4-Nitrophenol
Concen: 9.16 ng
RT: 12.51 min Scan# 1874
Delta R.T. -0.14 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

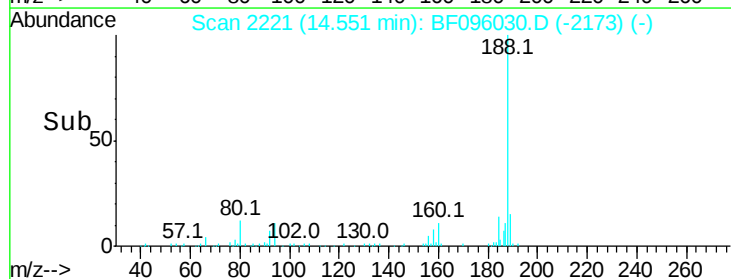
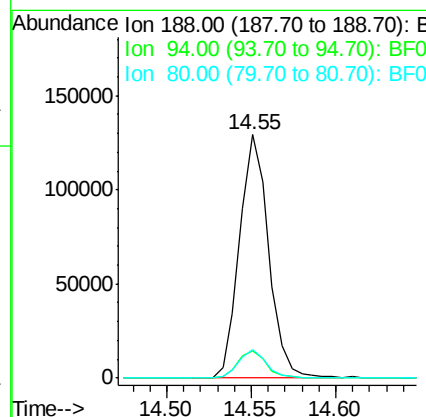
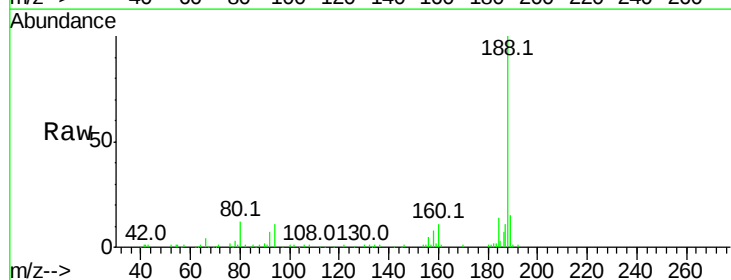
Instrument :
BNA_F
ClientSampleId :

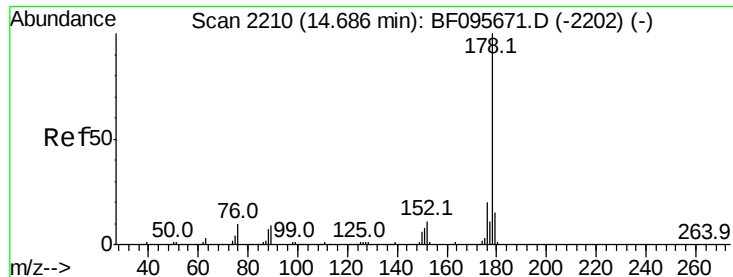
Tot Ion:139 Resp: 5292
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion:188 Resp: 154992
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 11.7 10.2 15.2

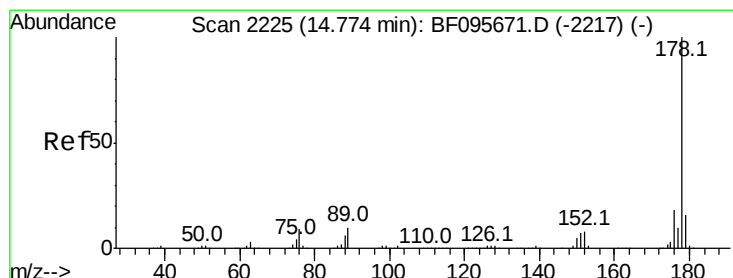
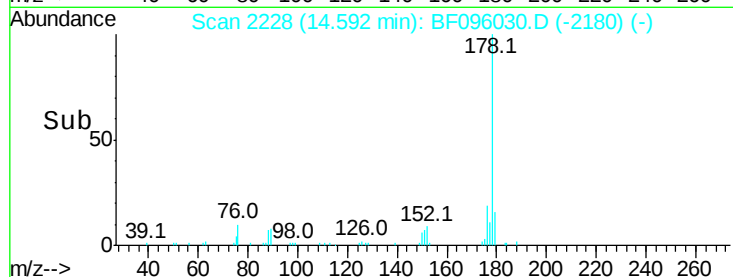
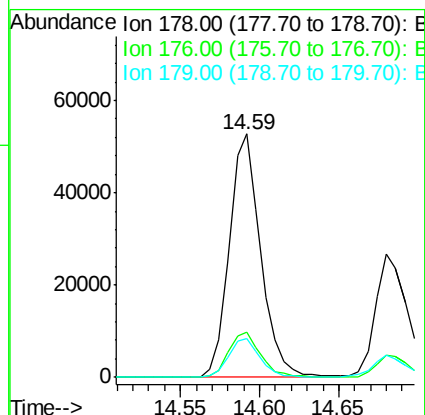
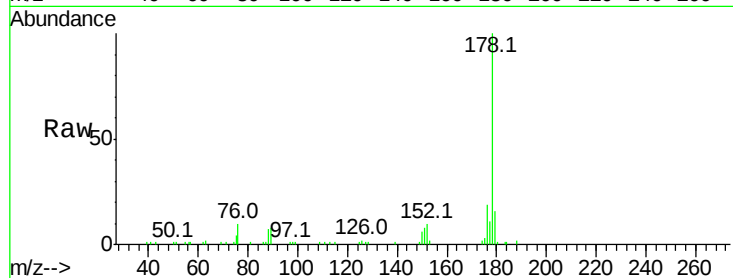




#70
Phenanthrene
Concen: 8.09 ng
RT: 14.59 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

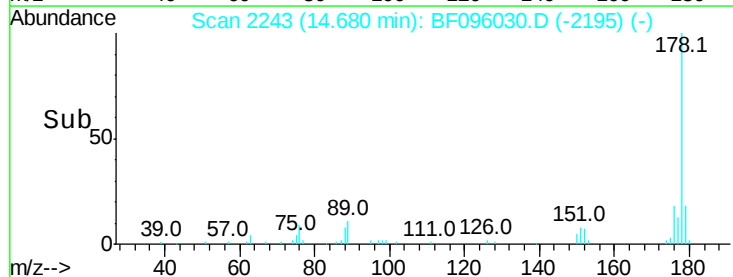
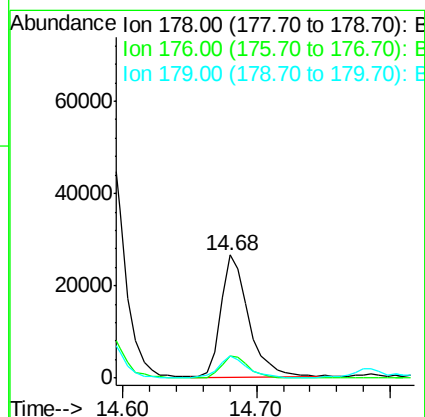
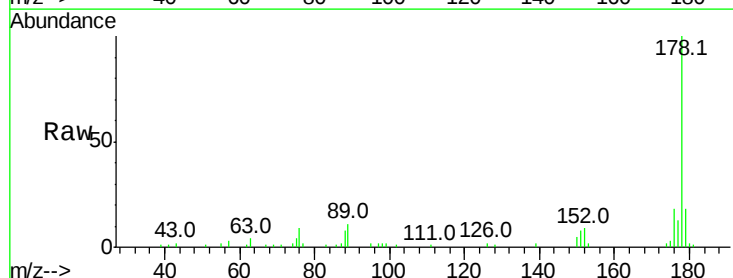
Instrument :
BNA_F
ClientSampleId :

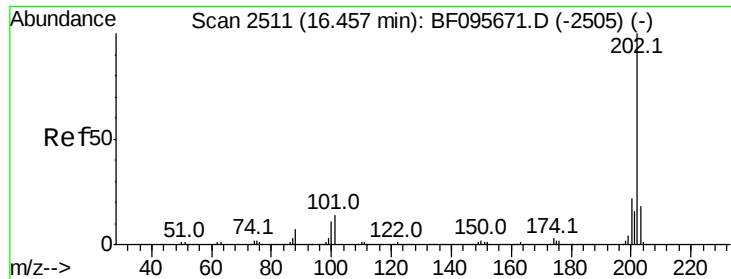
Tot Ion:178 Resp: 72310
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 16.2 12.6 19.0



#71
Anthracene
Concen: 4.16 ng
RT: 14.68 min Scan# 2243
Delta R.T. -0.02 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion:178 Resp: 38808
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 18.2 12.7 19.1





#74

Fluoranthene

Concen: 16.01 ng

RT: 16.38 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF096030.D

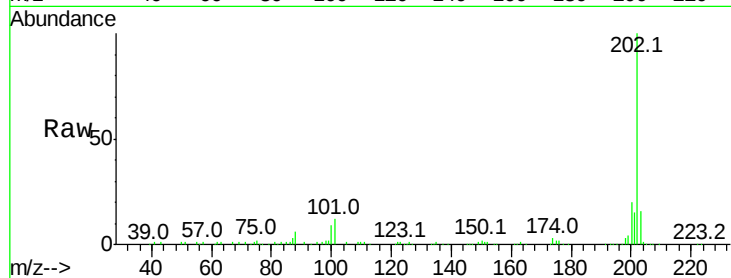
Acq: 20 Jun 2017 6:19

Instrument :

BNA_F

ClientSampleId :

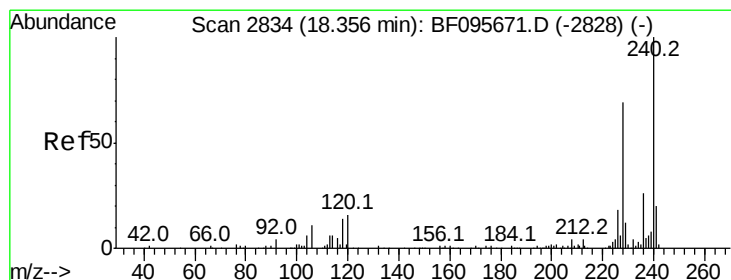
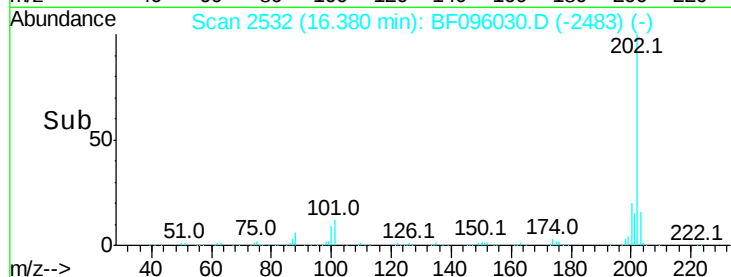
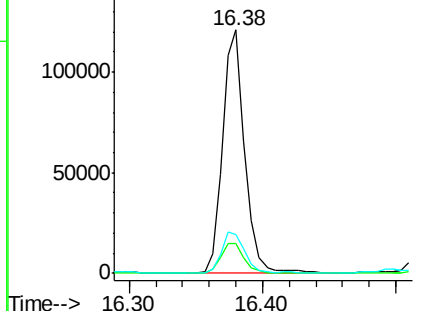
Tot Ion:	202	Resp:	141667
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	16.1	0.0	38.1



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

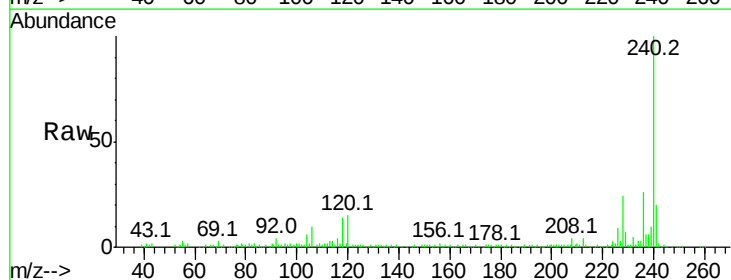
RT: 18.28 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

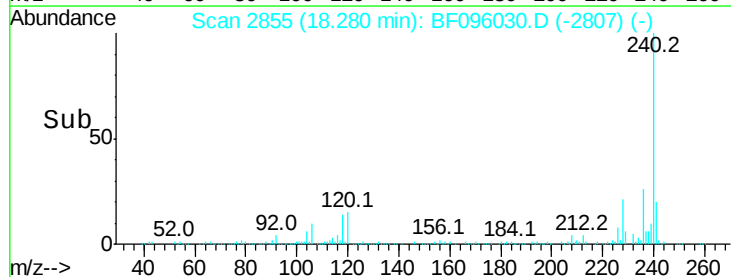
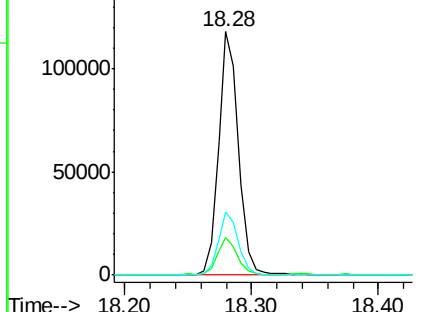
Tgt Ion:	240	Resp:	128562
Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	26.2	20.5	30.7

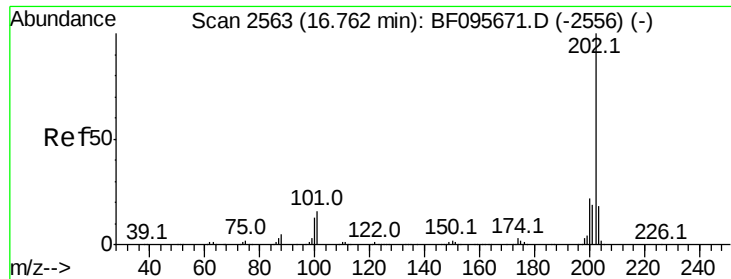


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.67 ng

RT: 16.68 min Scan# 2583

Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Instrument :

BNA_F

ClientSampleId :

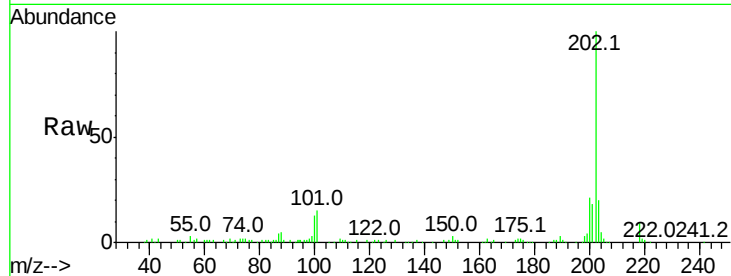
Tot Ion:202 Resp: 131108

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

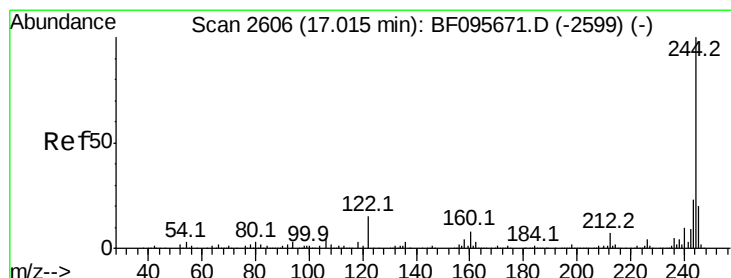
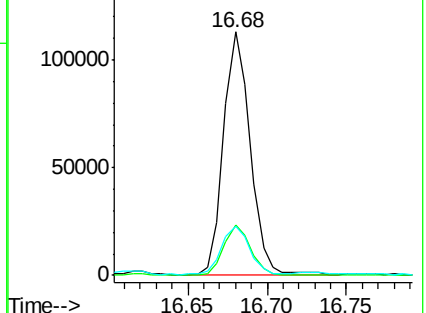
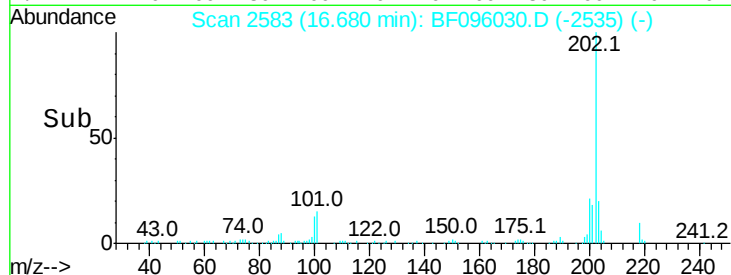
203 20.0 14.4 21.6



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: 78.73 ng

RT: 16.93 min Scan# 2626

Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

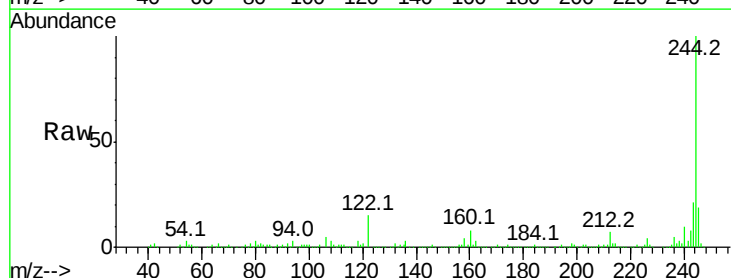
Tgt Ion:244 Resp: 407862

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

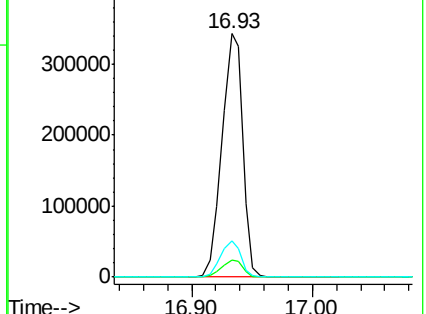
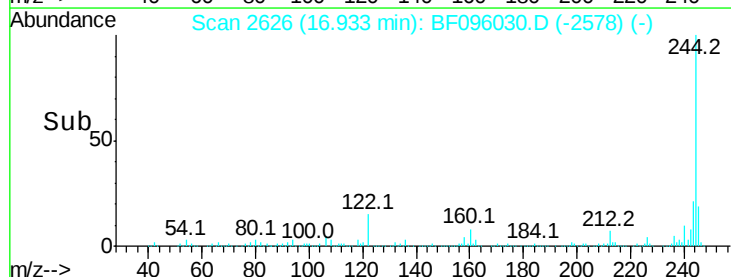
122 14.9 10.3 15.5

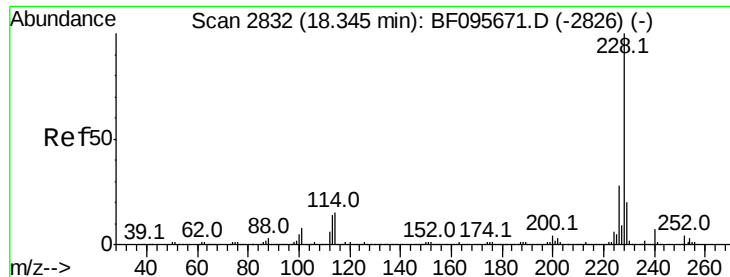


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.91 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF096030.D

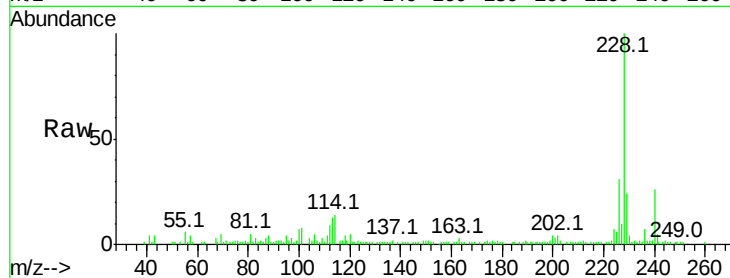
Acq: 20 Jun 2017 6:19

Instrument :

BNA_F

ClientSampleId :

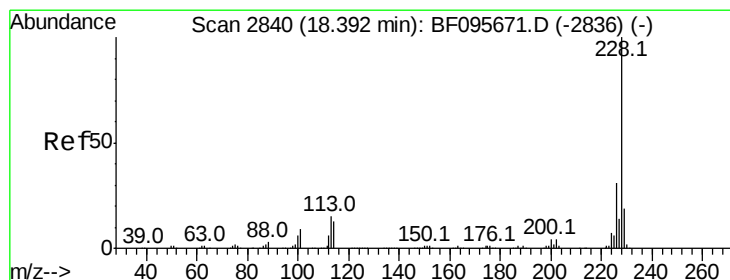
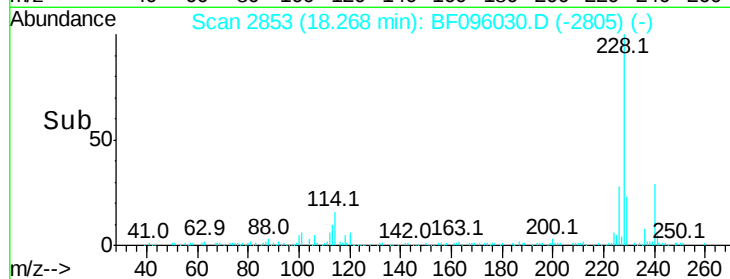
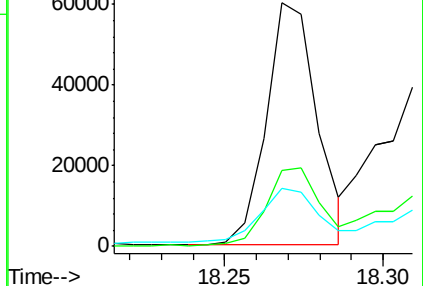
Tot Ion:228	Resp:	66605
Ion Ratio	Lower	Upper
228	100	
226	31.3	22.6 33.8
229	23.9	16.3 24.5



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: 11.00 ng

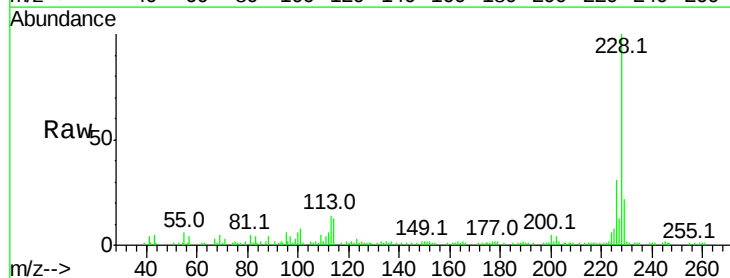
RT: 18.32 min Scan# 2861

Delta R.T. -0.02 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

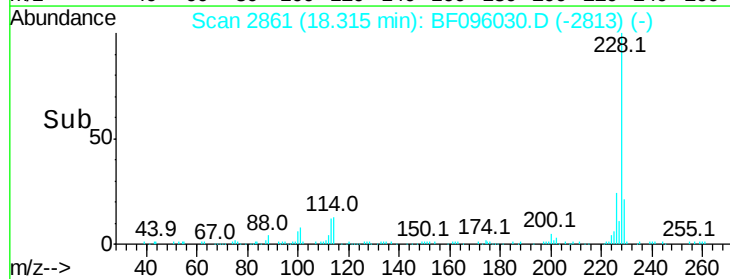
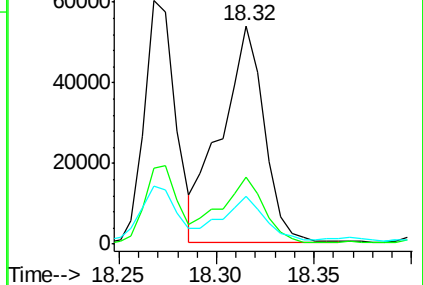
Tgt Ion:228	Resp:	82204
Ion Ratio	Lower	Upper
228	100	
226	30.8	24.9 37.3
229	21.6	15.8 23.6

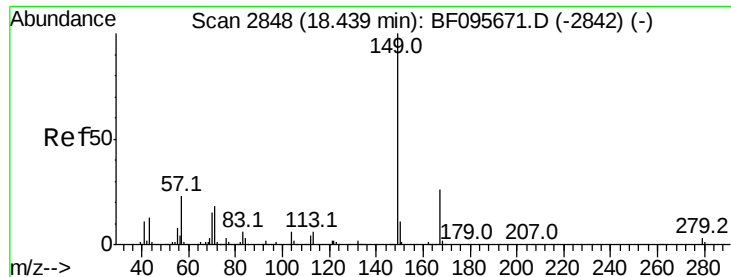


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

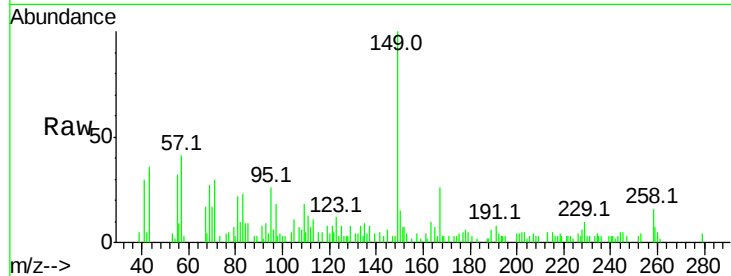




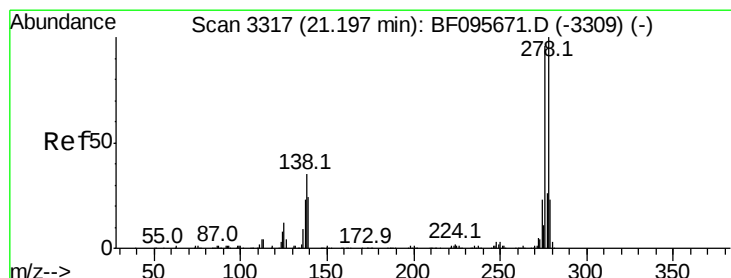
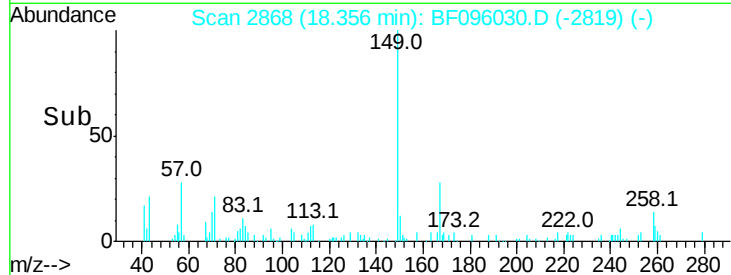
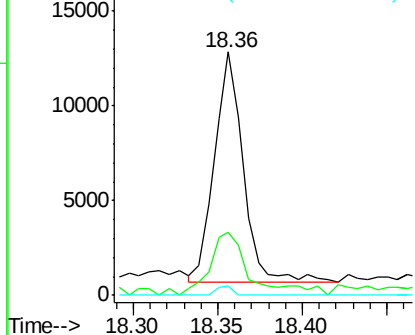
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.43 ng
 RT: 18.36 min Scan# 2868
 Delta R.T. -0.01 min
 Lab File: BF096030.D
 Acq: 20 Jun 2017 6:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 14341
 Ion Ratio Lower Upper
 149 100
 167 26.2 21.0 31.4
 279 3.8 1.9 2.9#

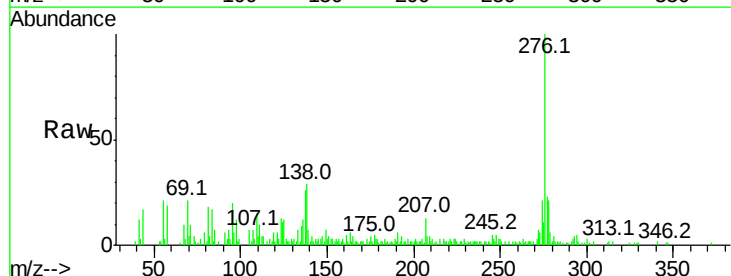


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

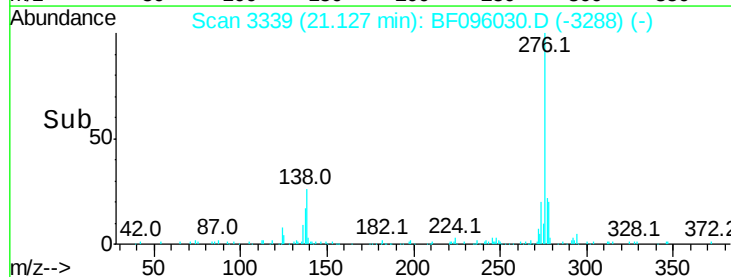
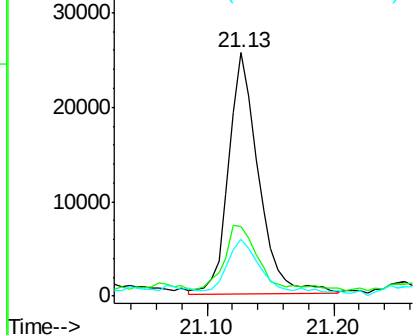


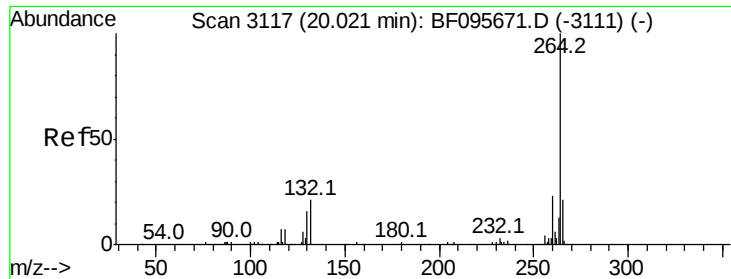
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.58 ng
 RT: 21.13 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: BF096030.D
 Acq: 20 Jun 2017 6:19

Tgt Ion:276 Resp: 42064
 Ion Ratio Lower Upper
 276 100
 138 31.4 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

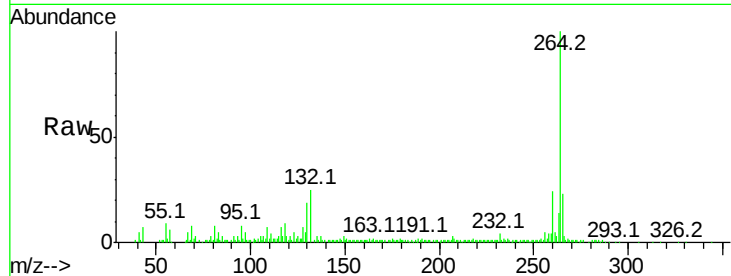




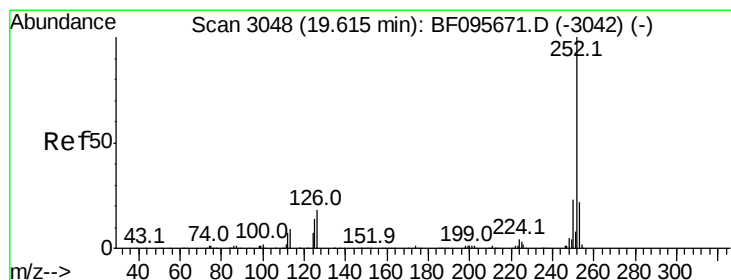
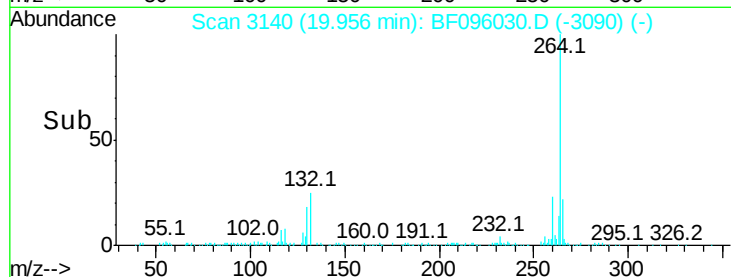
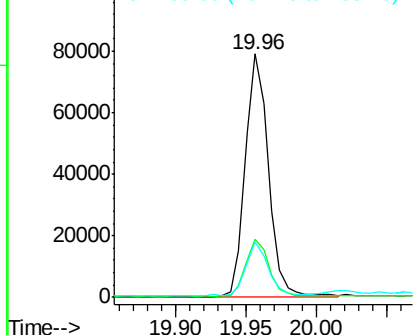
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 91612
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 22.6 17.2 25.8

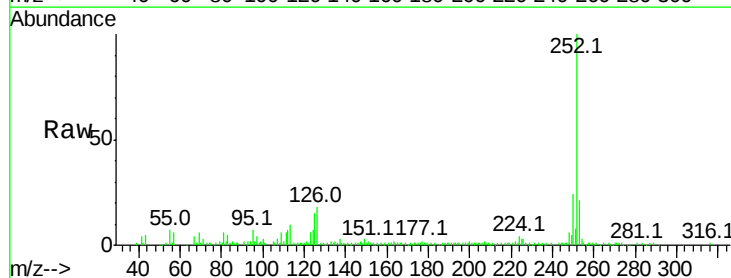


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

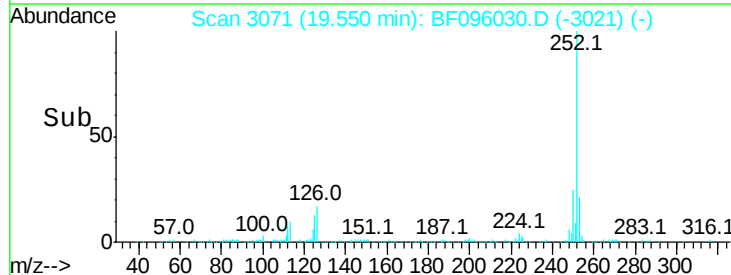
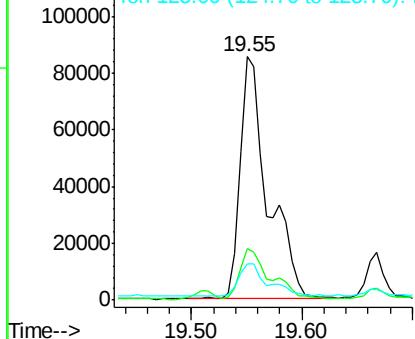


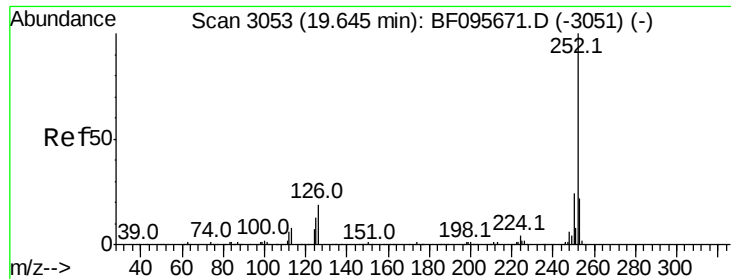
#87
Benzo(b)fluoranthene
Concen: 26.46 ng
RT: 19.55 min Scan# 3071
Delta R.T. -0.01 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion:252 Resp: 151802
Ion Ratio Lower Upper
252 100
253 21.1 18.1 27.1
125 14.7 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

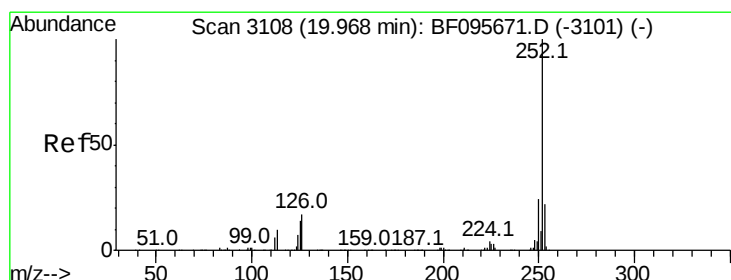
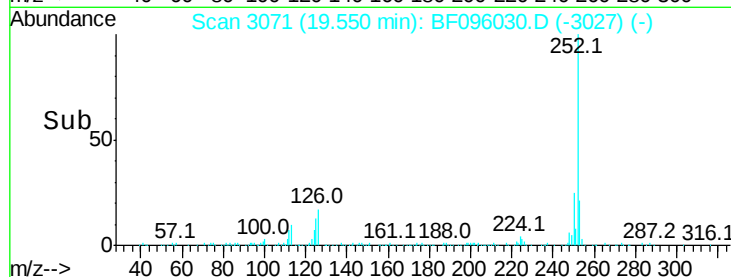
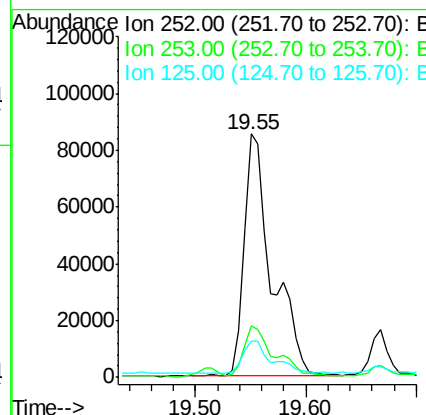
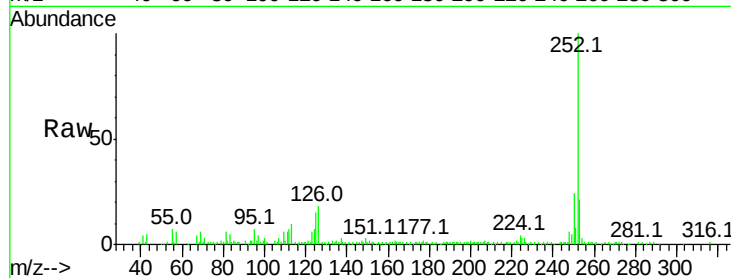




#88
Benzo(k)fluoranthene
Concen: 27.69 ng
RT: 19.55 min Scan# 3071
Delta R.T. -0.04 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

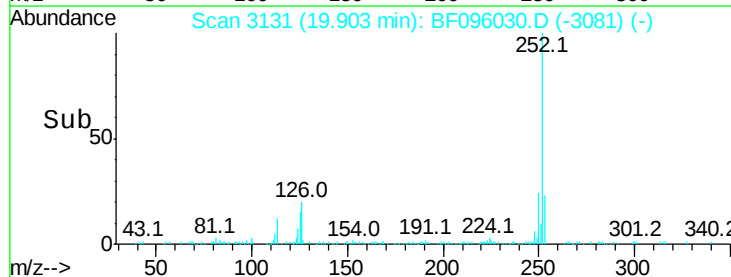
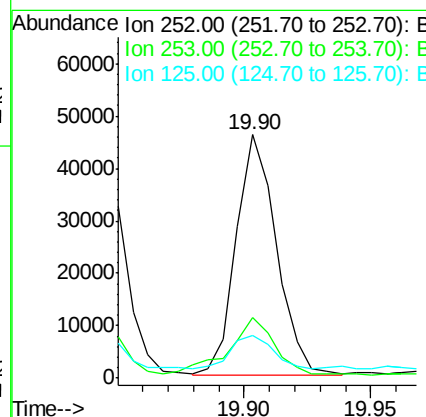
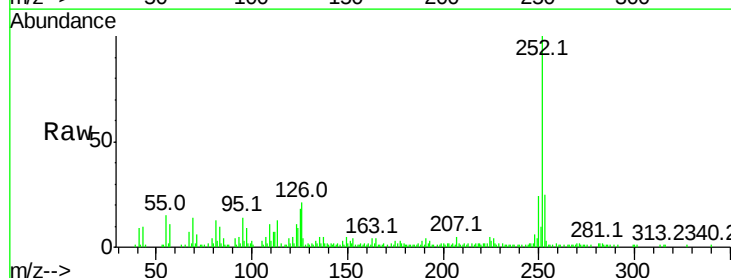
Instrument :
BNA_F
ClientSampleId :

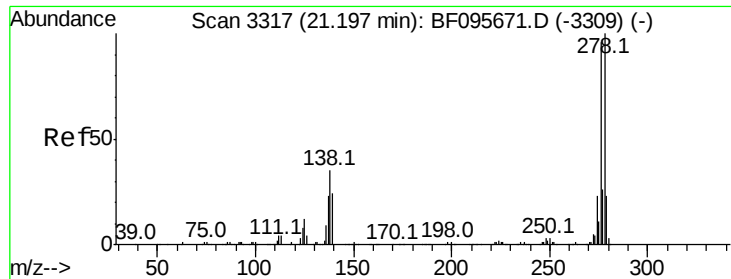
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.4	27.6
125	14.7	13.1	19.7



#89
Benzo(a)pyrene
Concen: 9.65 ng
RT: 19.90 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF096030.D
Acq: 20 Jun 2017 6:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	17.7	11.0	16.4#





#90

Dibenzo(a,h)anthracene

Concen: 3.50 ng

RT: 21.11 min Scan# 3337

Delta R.T. -0.01 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Instrument :

BNA_F

ClientSampleId :

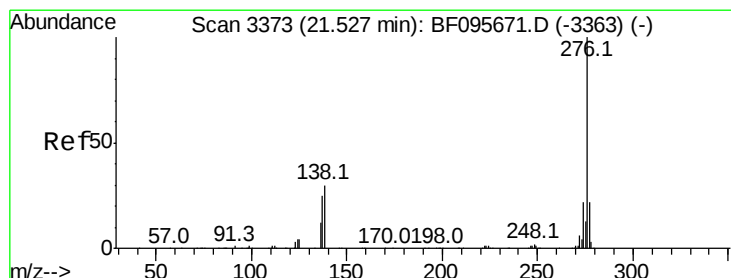
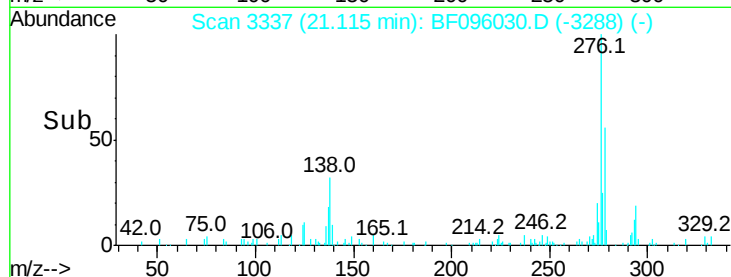
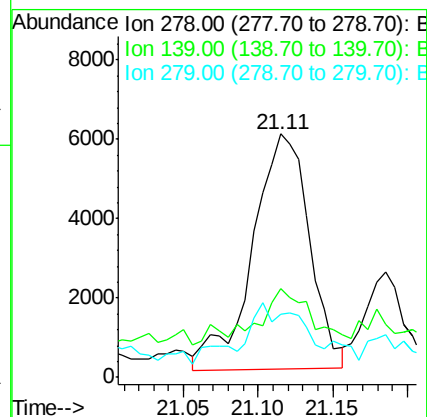
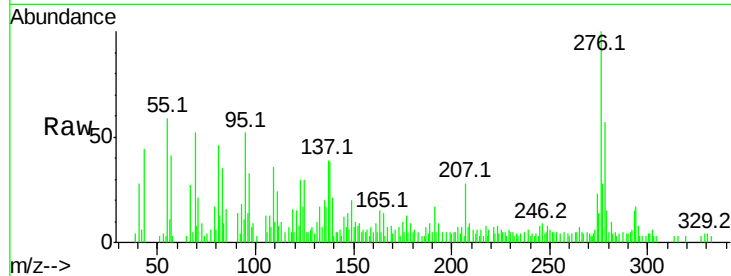
Tot Ion:278 Resp: 15668

Ion Ratio Lower Upper

278 100

139 36.5 16.6 24.8#

279 25.9 19.3 28.9



#91

Benzo(g,h,i)perylene

Concen: 7.77 ng

RT: 21.46 min Scan# 3395

Delta R.T. 0.01 min

Lab File: BF096030.D

Acq: 20 Jun 2017 6:19

Tgt Ion:276 Resp: 35449

Ion Ratio Lower Upper

276 100

277 28.5 18.6 28.0#

138 38.7 25.4 38.0#

