

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
 Data File : BF116893.D
 Acq On : 9 Sep 2019 2:50
 Operator : HP/JU
 Sample : K4757-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 09 03:35:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	78058	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	327807	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	169188	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	266711	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	156150	20.00	ng	0.00
87) Perylene-d12	15.45	264	174133	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	219742	45.61	ng	0.00
7) Phenol-d6	6.47	99	315523	49.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	187279	32.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	67128	59.35	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	347161	34.61	ng	-0.02
79) Terphenyl-d14	12.93	244	289922	34.35	ng	-0.02

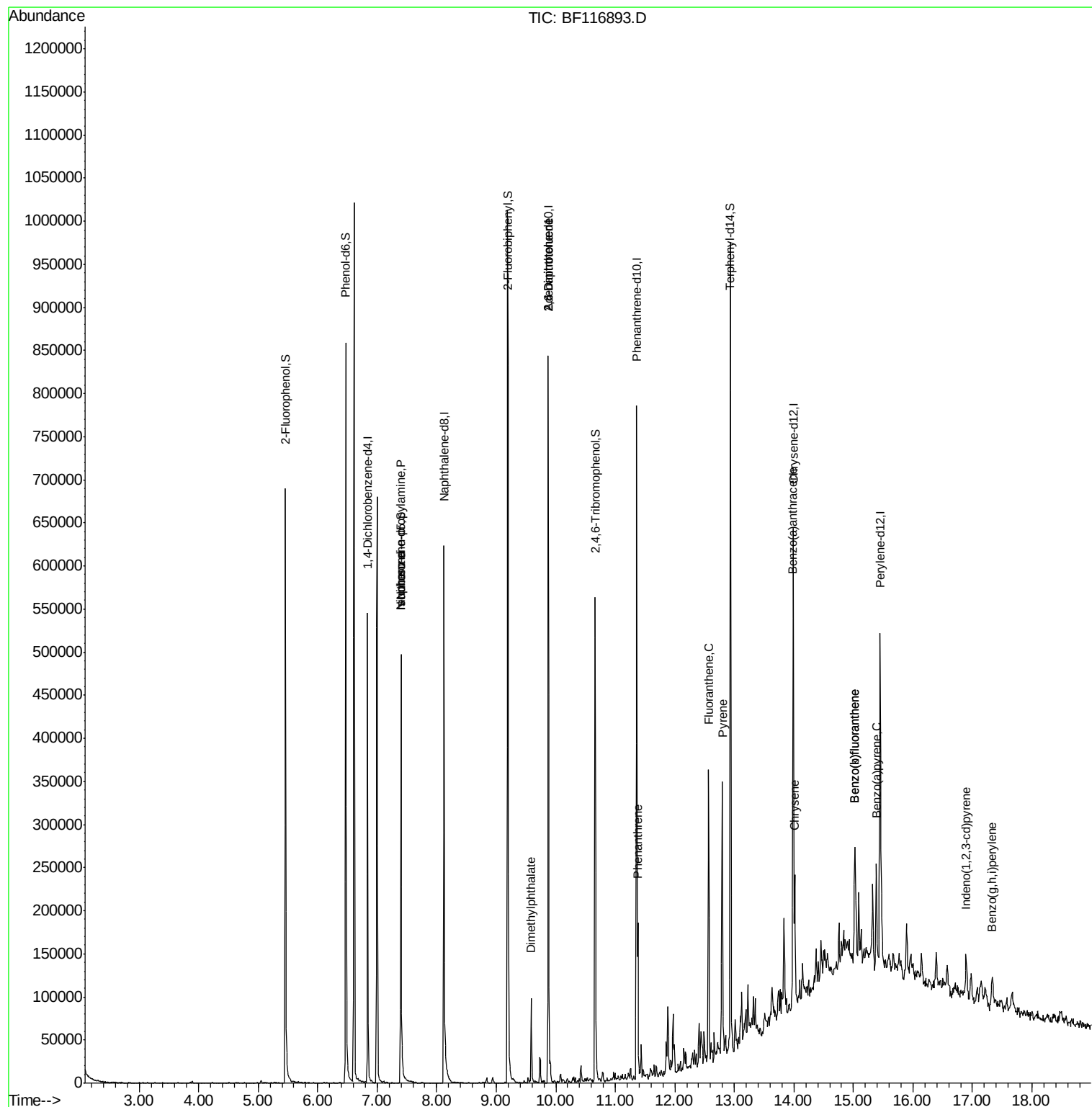
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	25459	6.111	ng	# 71
25) Isophorone	7.40	82	187278	16.095	ng	# 66
50) Dimethylphthalate	9.59	163	43195	3.698	ng	98
51) 2,6-Dinitrotoluene	9.87	165	21275	9.546	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	21276	7.808	ng	# 21
71) Phenanthrene	11.38	178	58426	3.935	ng	100
75) Fluoranthene	12.57	202	129134	8.850	ng	99
78) Pyrene	12.80	202	131872	9.500	ng	98
81) Benzo(a)anthracene	13.98	228	59991	6.070	ng	96
83) Chrysene	14.02	228	53507	5.255	ng	96
86) Indeno(1,2,3-cd)pyrene	16.90	276	30683	3.752	ng	93
88) Benzo(b)fluoranthene	15.02	252	91689	8.709	ng	# 93
89) Benzo(k)fluoranthene	15.02	252	91689	9.552	ng	# 93
90) Benzo(a)pyrene	15.39	252	52424	5.724	ng	99
92) Benzo(a,h,i)perylene	17.33	276	28441	3.478	ng	97

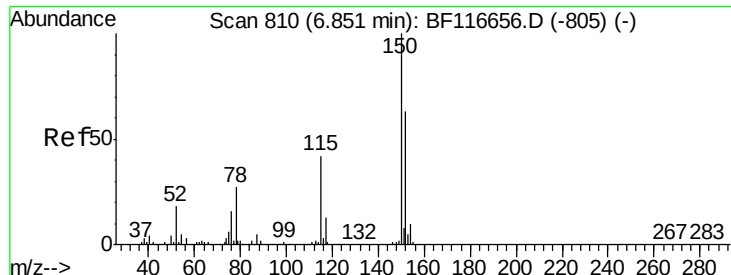
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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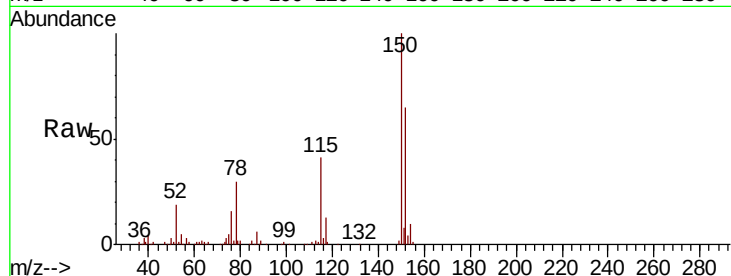


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.4	186.6
115	63.9	49.9	74.9

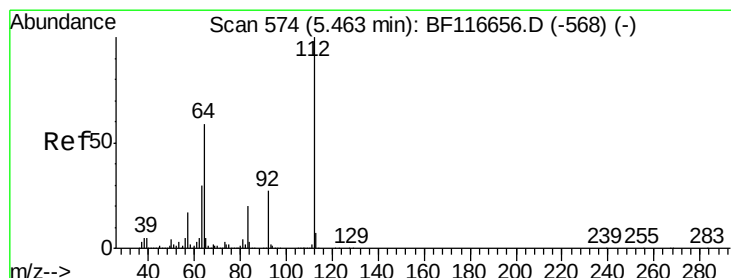
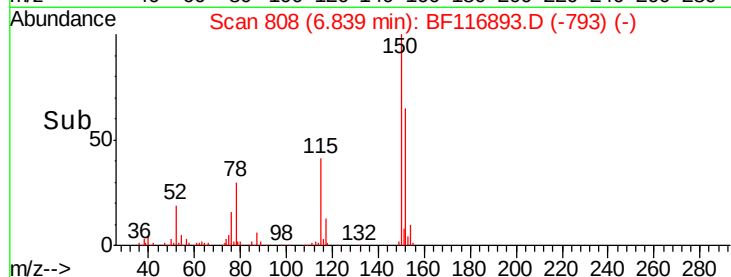
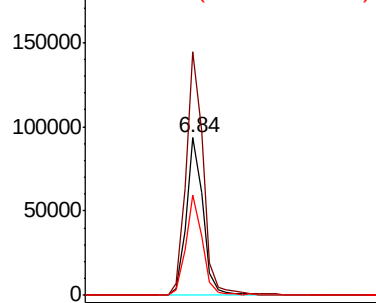


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

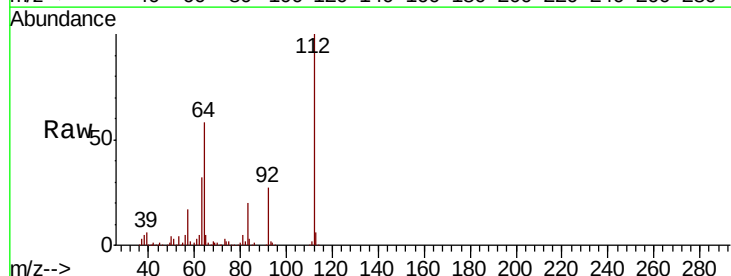
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.606 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.1	70.7
63	31.6	24.9	37.3

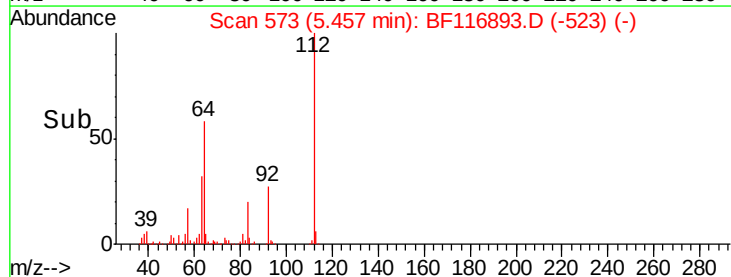
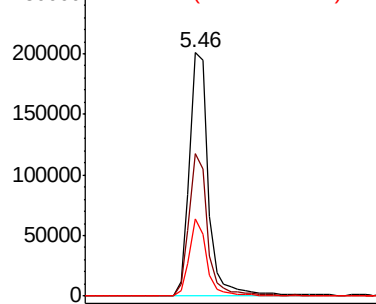


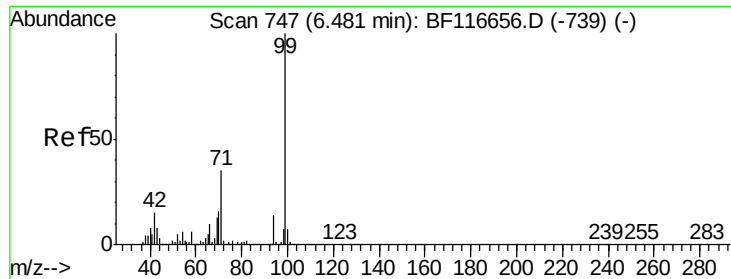
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 49.870 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

Instrument :

BNA_F

ClientSampleId :

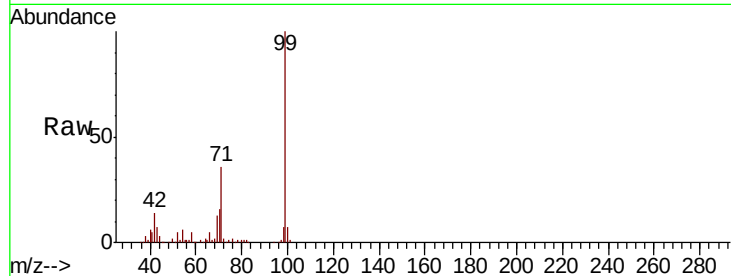
Tot Ion: 99 Resp: 315523

Ion Ratio Lower Upper

99 100

42 14.3 13.7 20.5

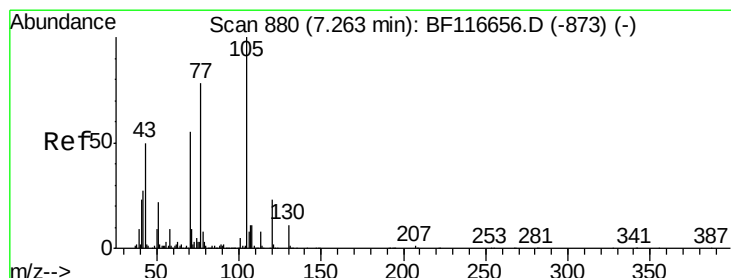
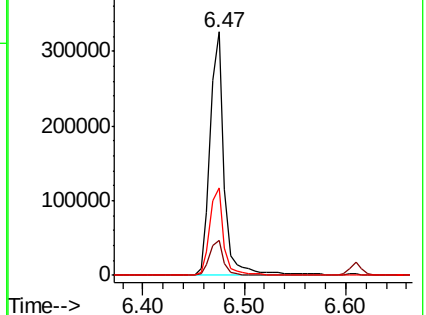
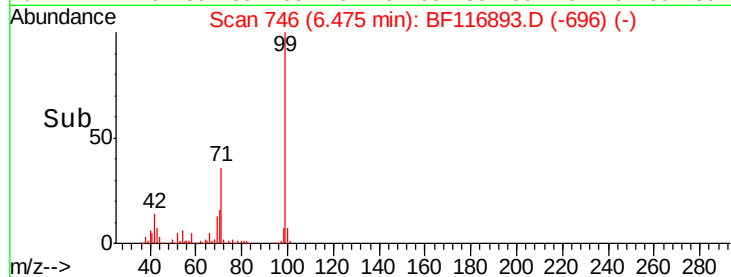
71 36.2 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 6.111 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

Tgt Ion: 70 Resp: 25459

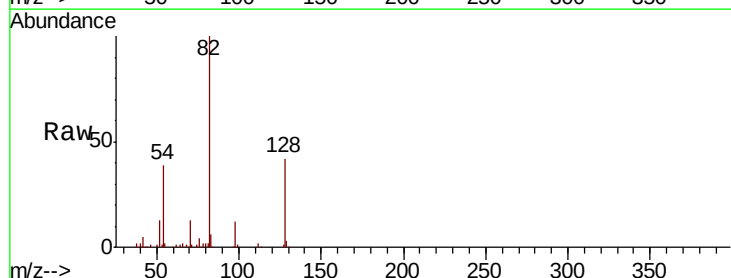
Ion Ratio Lower Upper

70 100

42 36.6 43.5 65.3#

101 0.0 7.8 11.6#

130 1.9 16.6 24.8#

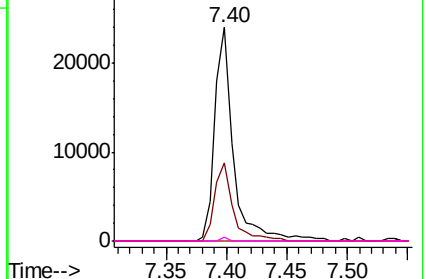
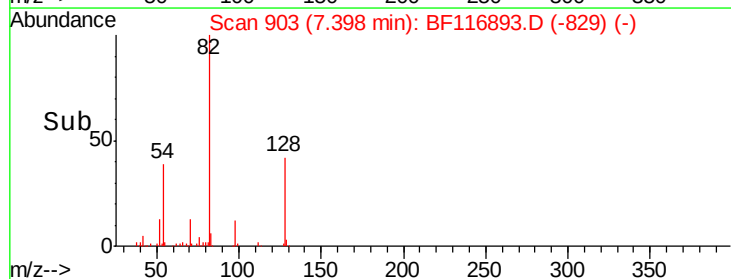


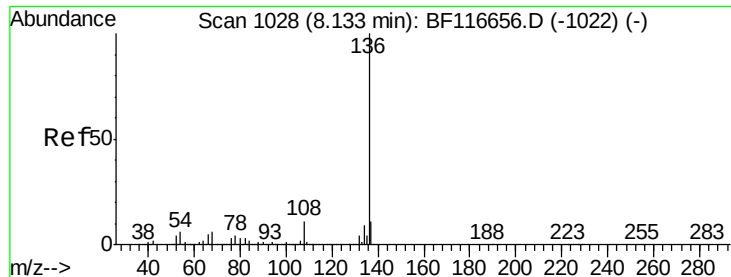
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

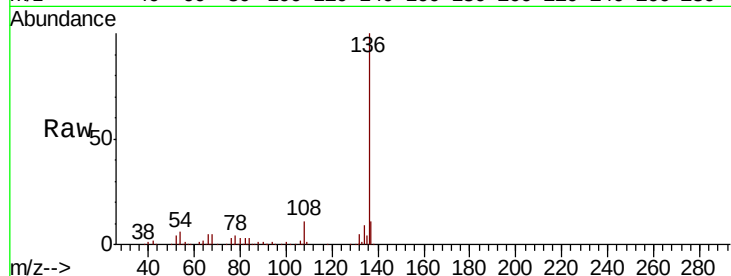




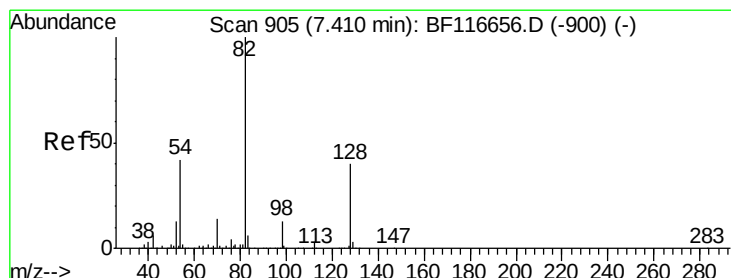
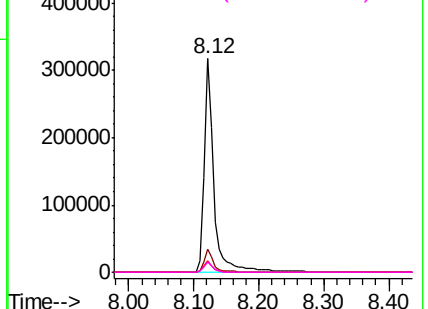
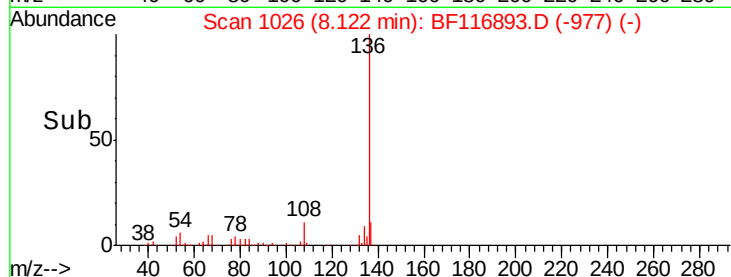
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	327807
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	5.7	4.8 7.2
68	5.0	4.0 6.0

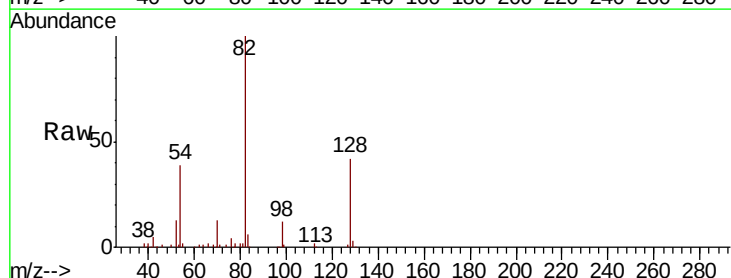


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

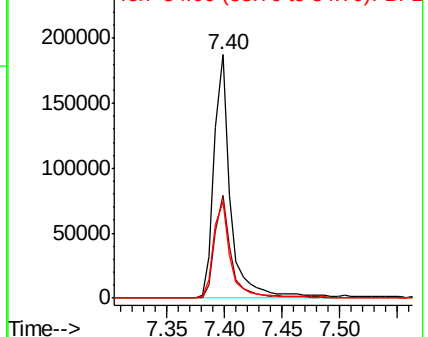
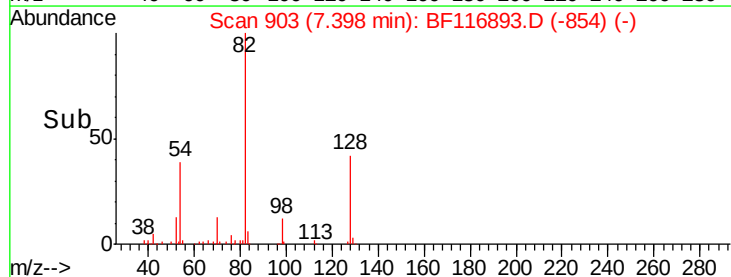


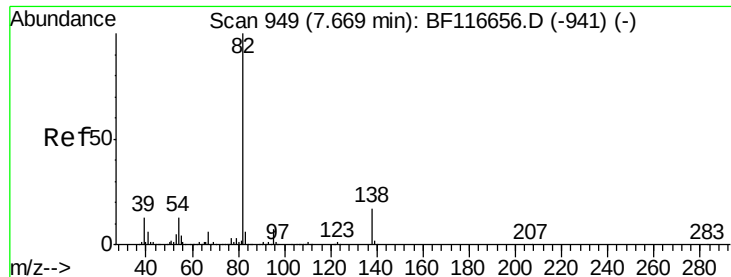
#23
Nitrobenzene-d5
Concen: 32.615 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion: 82	Resp:	187279
Ion Ratio	Lower	Upper
82	100	
128	42.1	32.8 49.2
54	39.4	36.9 55.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.095 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

Instrument :

BNA_F

ClientSampleId :

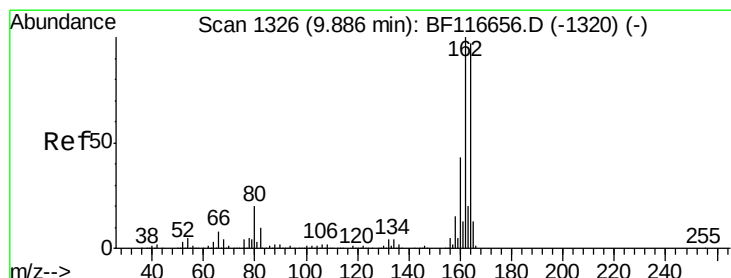
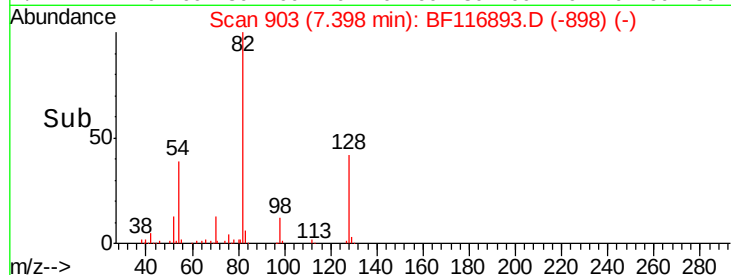
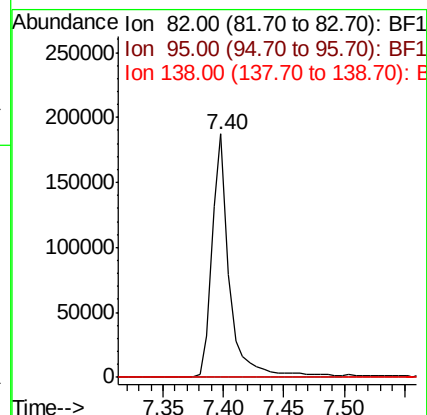
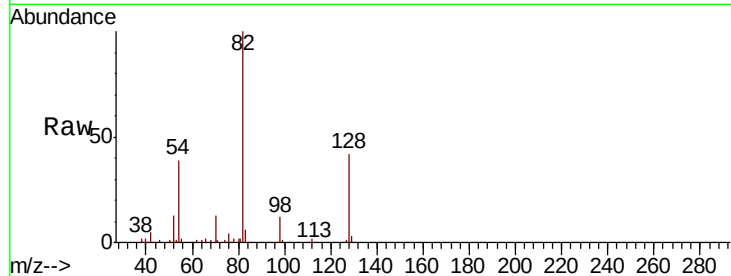
Tot Ion: 82 Resp: 187278

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

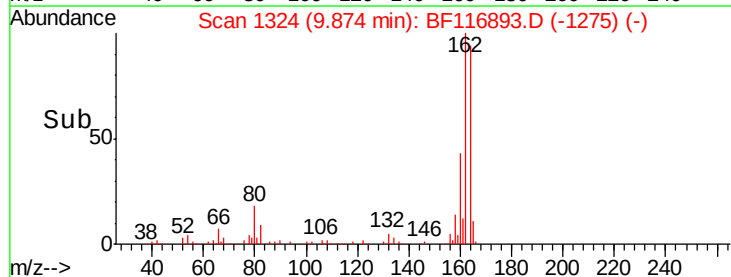
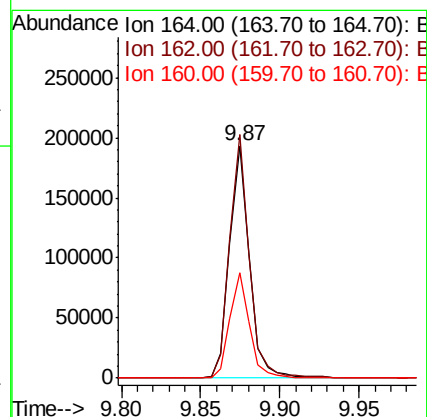
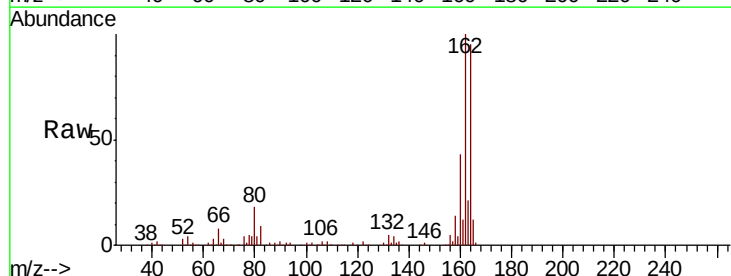
Tgt Ion: 164 Resp: 169188

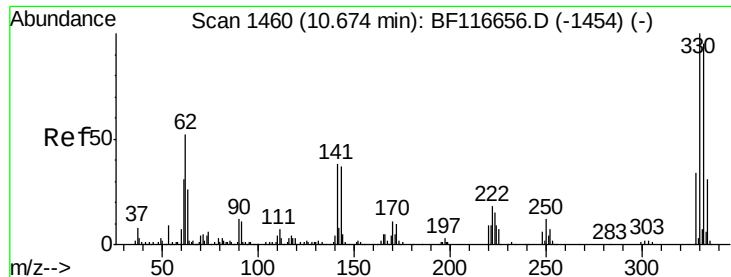
Ion Ratio Lower Upper

164 100

162 104.8 81.4 122.0

160 45.3 35.4 53.2

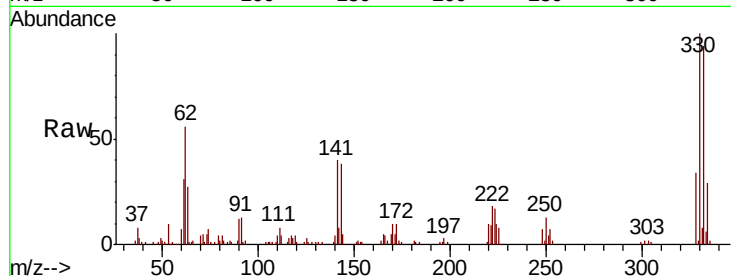




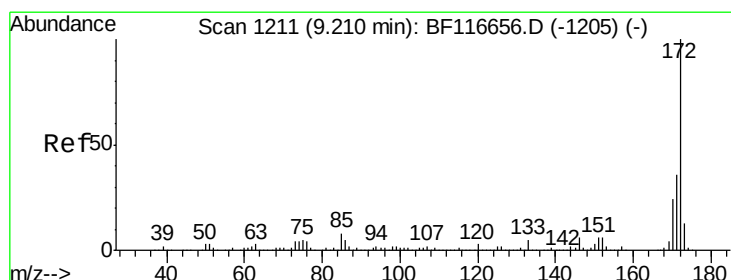
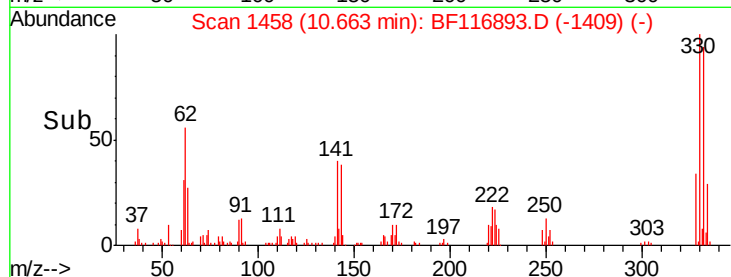
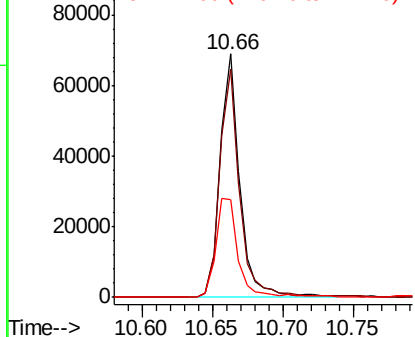
#42
 2,4,6-Tribromophenol
 Concen: 59.350 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116893.D
 Acq: 9 Sep 2019 2:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	45.8	31.4	47.2

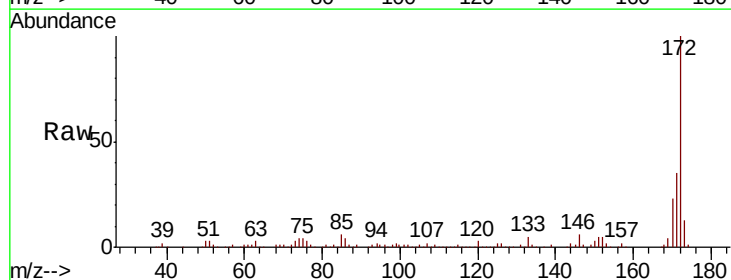


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

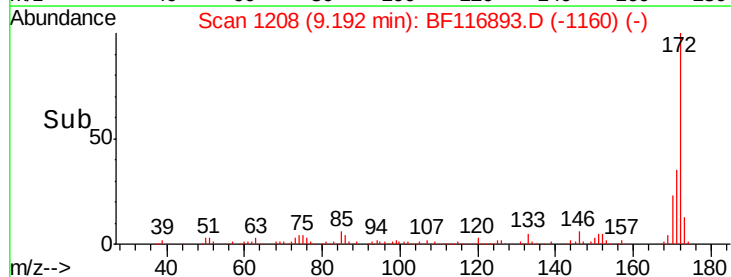
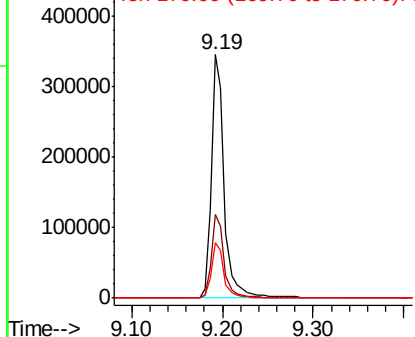


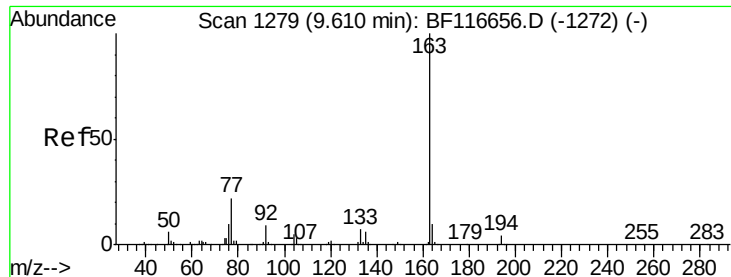
#45
 2-Fluorobiphenyl
 Concen: 34.614 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF116893.D
 Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	22.7	18.9	28.3



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

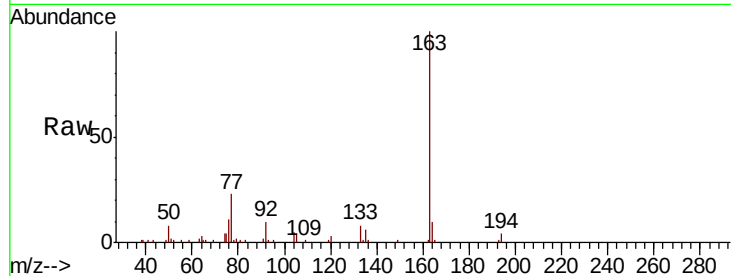




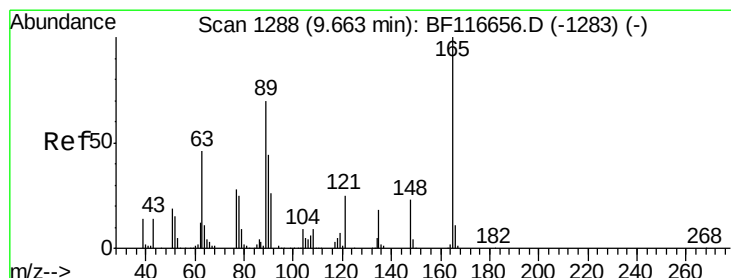
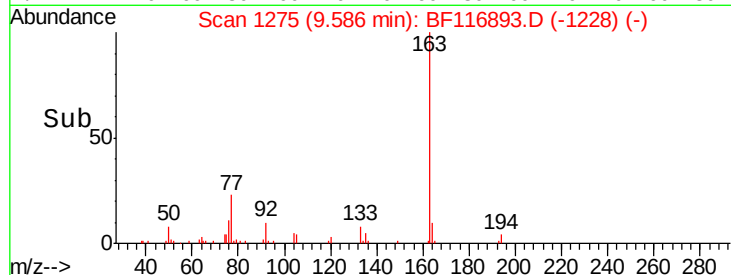
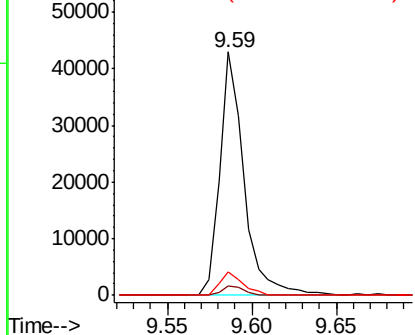
#50
Dimethylphthalate
Concen: 3.698 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163	Resp:	43195
Ion	Ratio	Lower Upper
163	100	
194	3.6	2.8 4.2
164	9.8	8.6 12.8

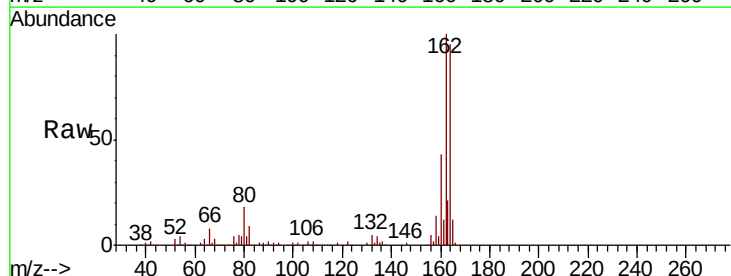


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

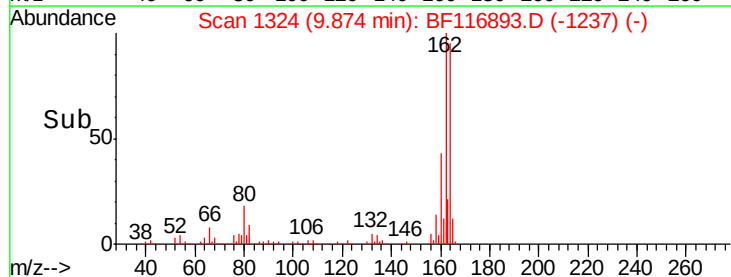
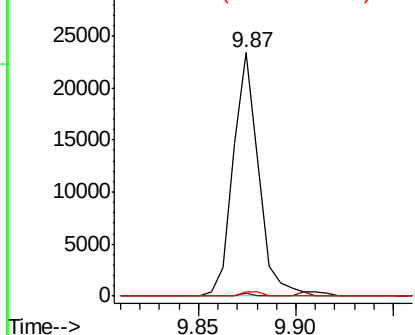


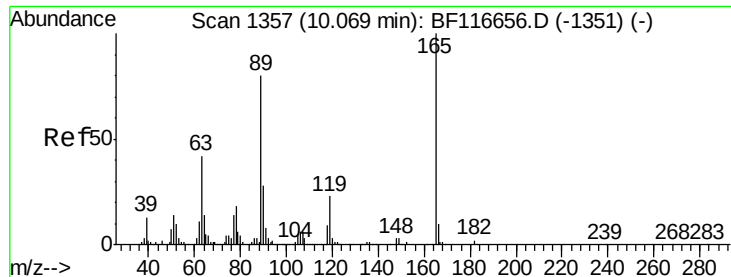
#51
2,6-Dinitrotoluene
Concen: 9.546 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion:165	Resp:	21275
Ion	Ratio	Lower Upper
165	100	
63	1.4	47.3 70.9#
89	1.7	52.5 78.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

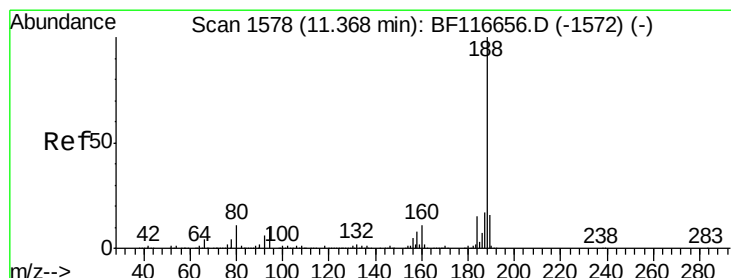
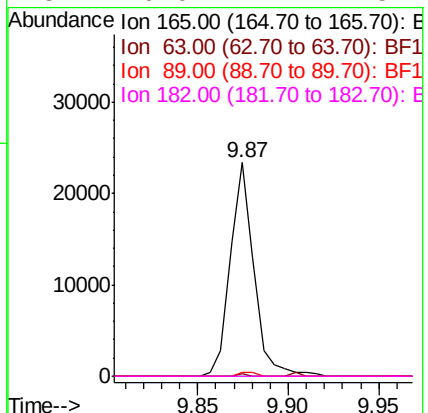
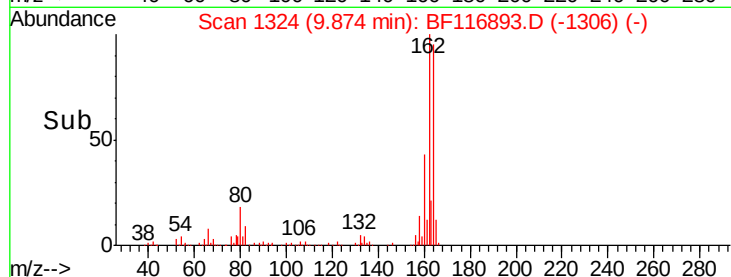
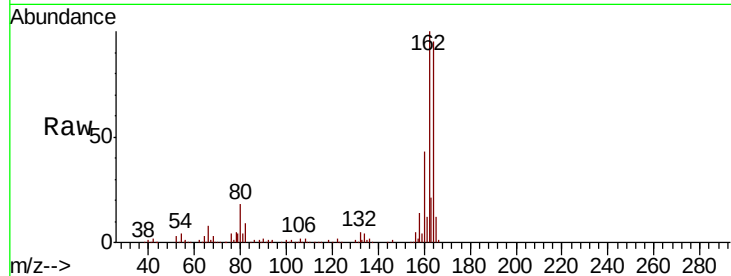




#57
 2,4-Dinitrotoluene
 Concen: 7.808 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.19 min
 Lab File: BF116893.D
 Acq: 9 Sep 2019 2:50

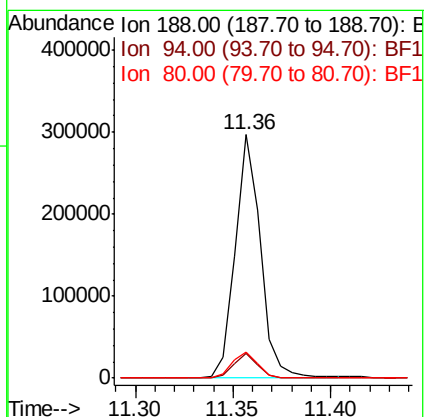
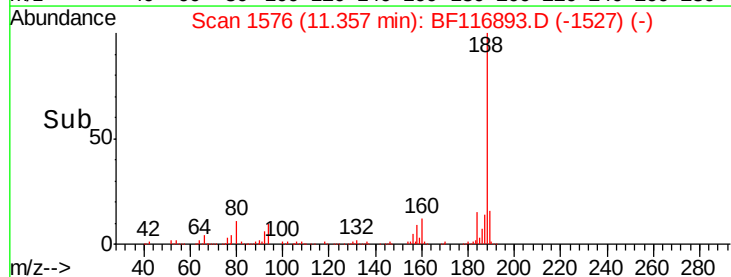
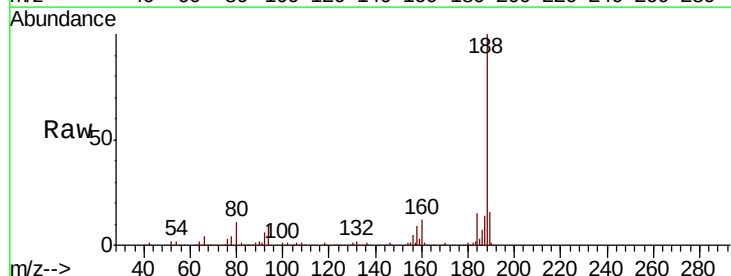
Instrument :
 BNA_F
 ClientSampleId :

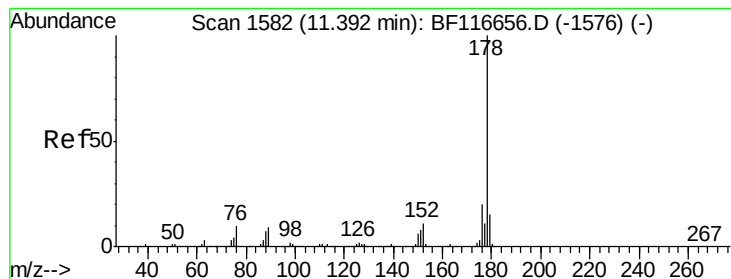
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.7	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116893.D
 Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.3	10.9
80	10.8	8.4	12.6





#71

Phenanthrene

Concen: 3.935 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

Instrument :

BNA_F

ClientSampleId :

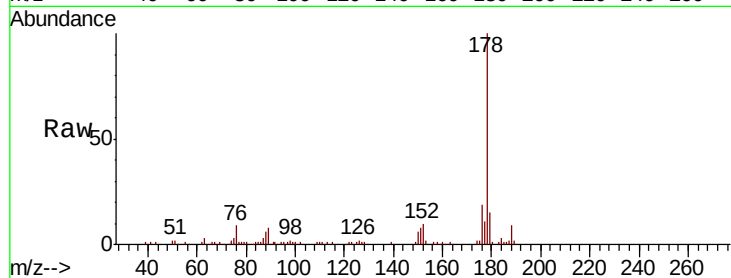
Tot Ion:178 Resp: 58426

Ion Ratio Lower Upper

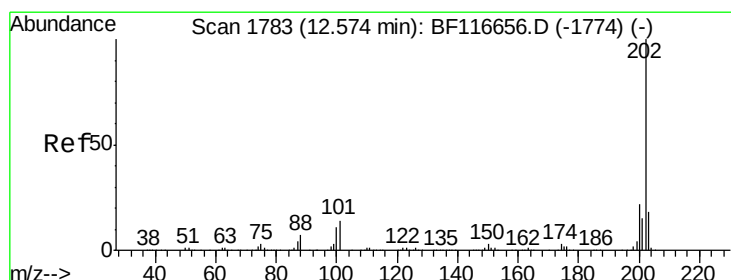
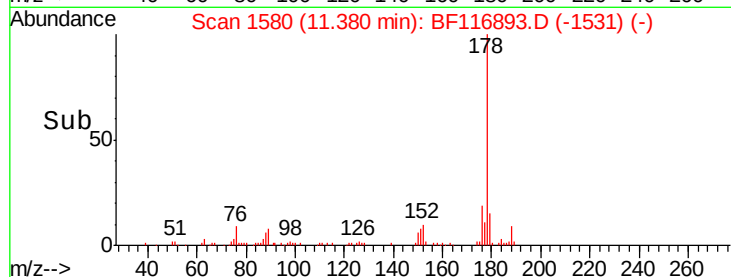
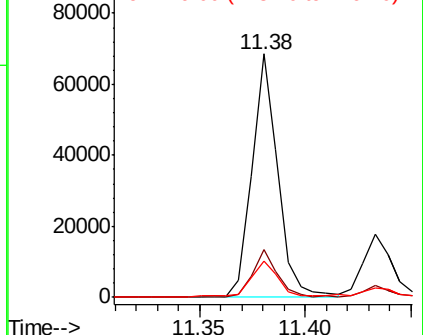
178 100

176 19.4 15.4 23.0

179 15.0 12.2 18.2



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



#75

Fluoranthene

Concen: 8.850 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

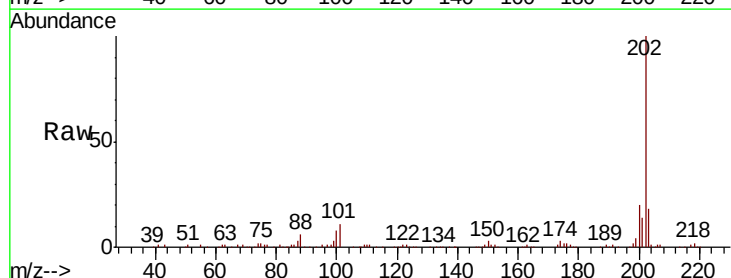
Tgt Ion:202 Resp: 129134

Ion Ratio Lower Upper

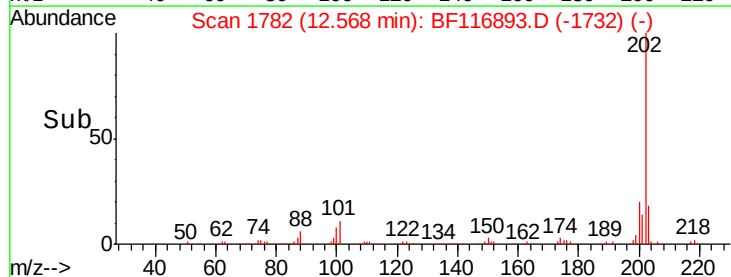
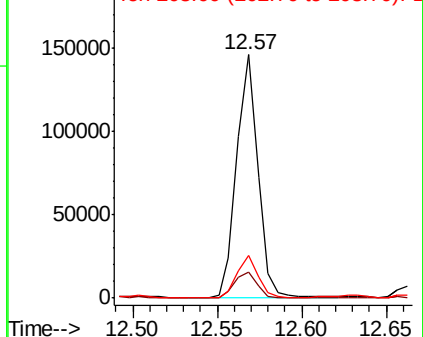
202 100

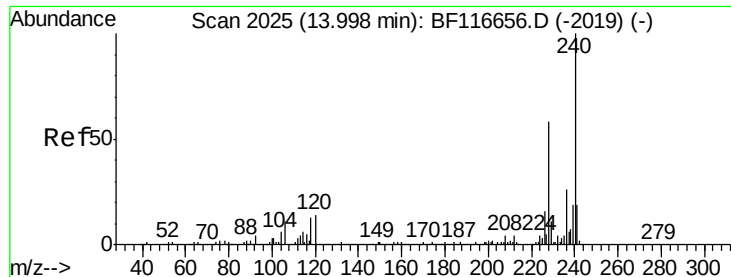
101 10.6 0.0 31.3

203 17.6 0.0 37.6



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

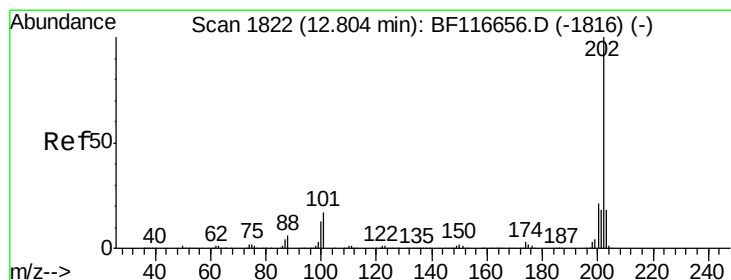
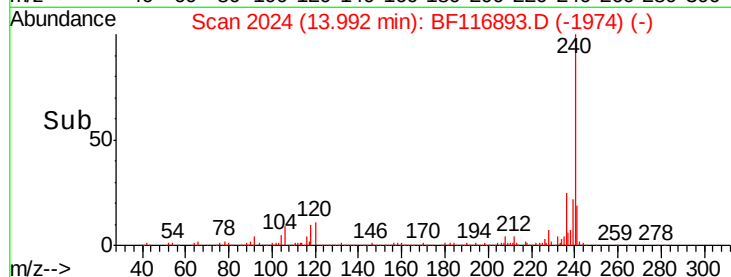
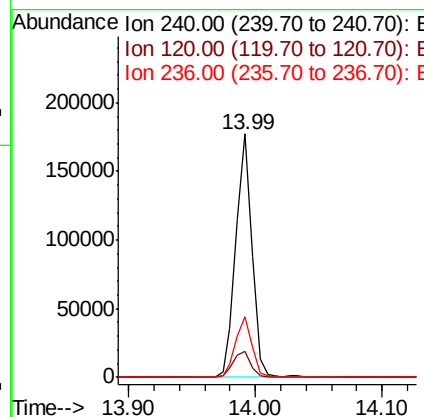
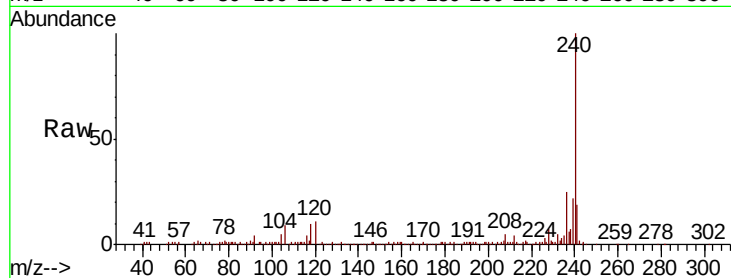




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

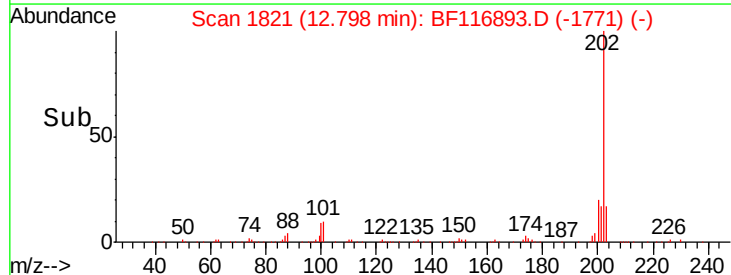
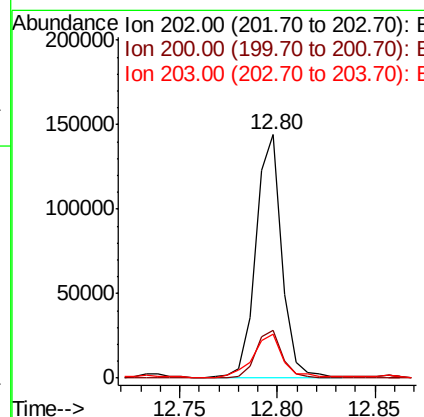
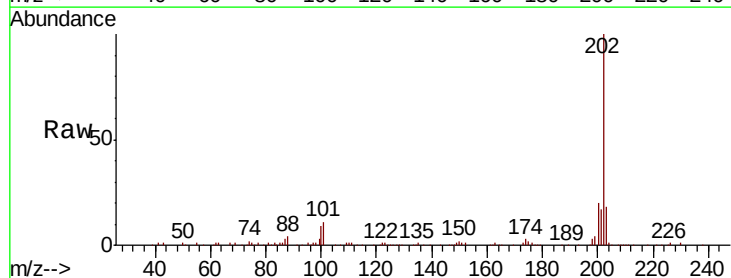
Instrument :
BNA_F
ClientSampleId :

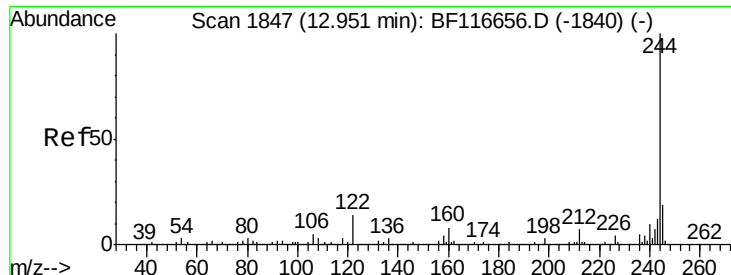
Tot Ion:240 Resp: 156150
Ion Ratio Lower Upper
240 100
120 10.8 9.1 13.7
236 24.8 21.1 31.7



#78
Pyrene
Concen: 9.500 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion:202 Resp: 131872
Ion Ratio Lower Upper
202 100
200 19.6 16.5 24.7
203 18.1 13.7 20.5





#79

Terphenyl-d14

Concen: 34.348 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

Instrument :

BNA_F

ClientSampleId :

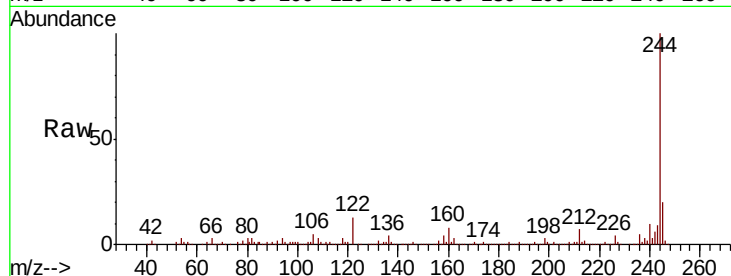
Tot Ion:244 Resp: 289922

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

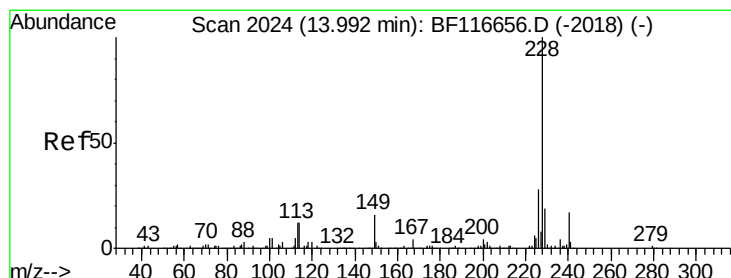
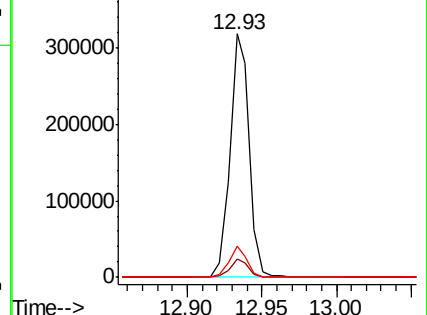
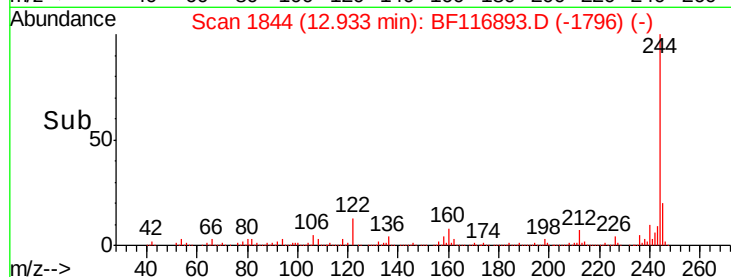
122 12.6 10.2 15.4



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



#81

Benzo(a)anthracene

Concen: 6.070 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

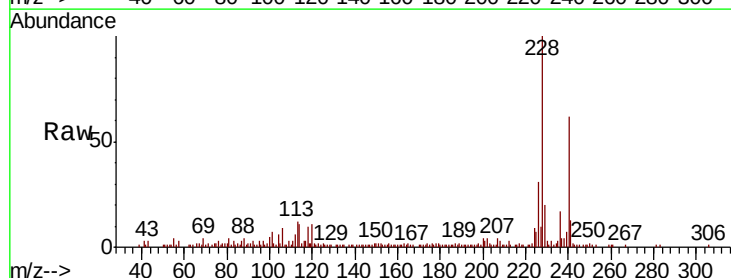
Tgt Ion:228 Resp: 59991

Ion Ratio Lower Upper

228 100

226 30.9 22.0 33.0

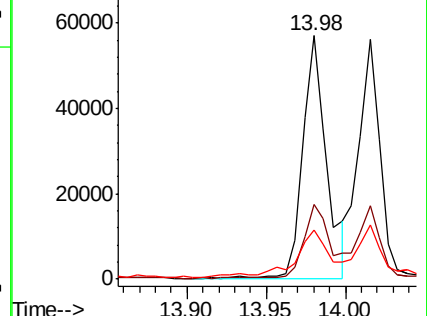
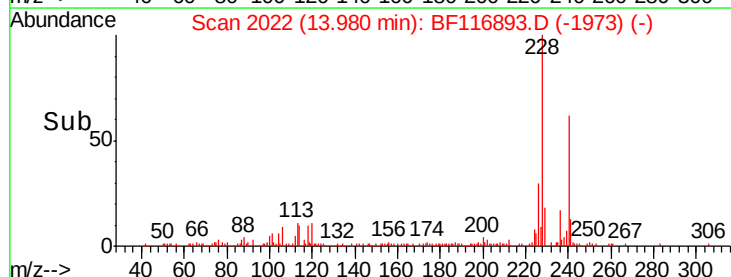
229 20.3 16.4 24.6

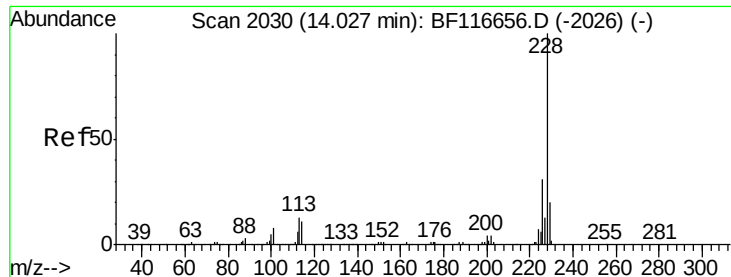


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

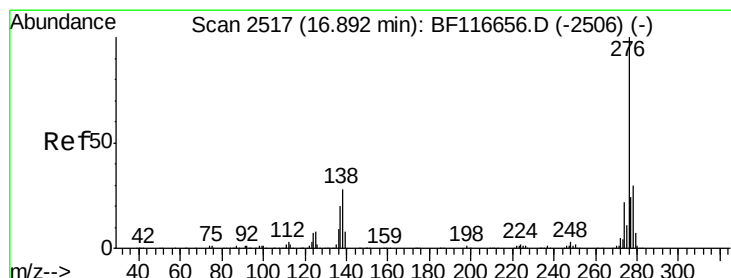
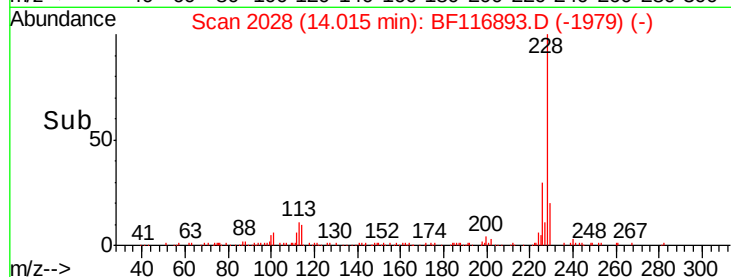
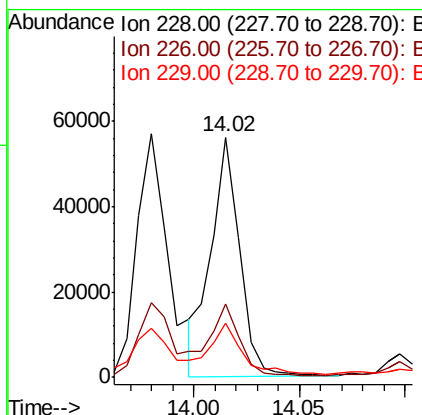
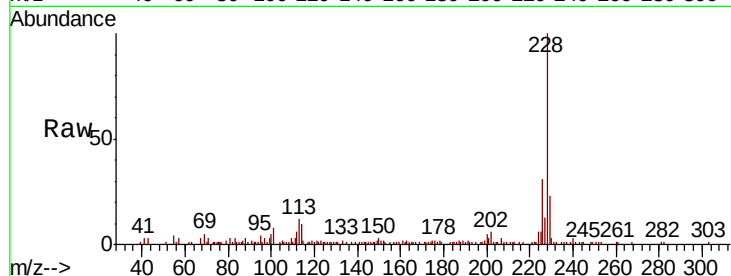




#83
Chrysene
Concen: 5.255 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

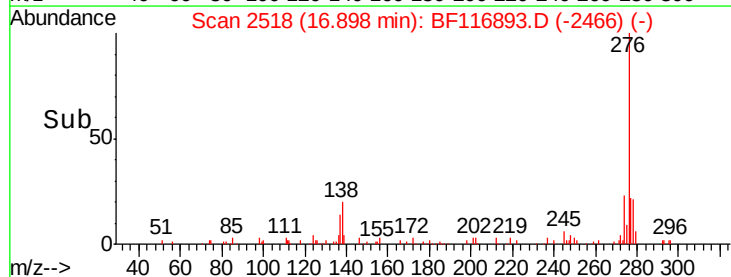
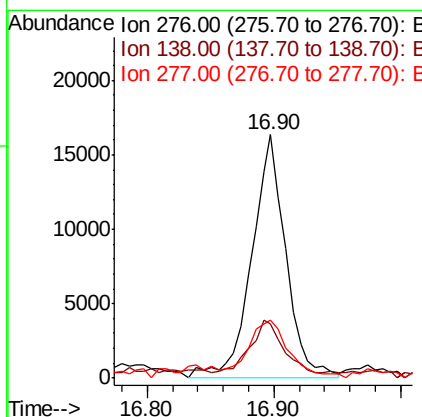
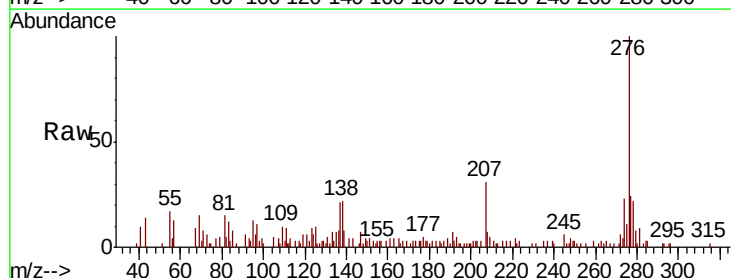
Instrument :
BNA_F
ClientSampleId :

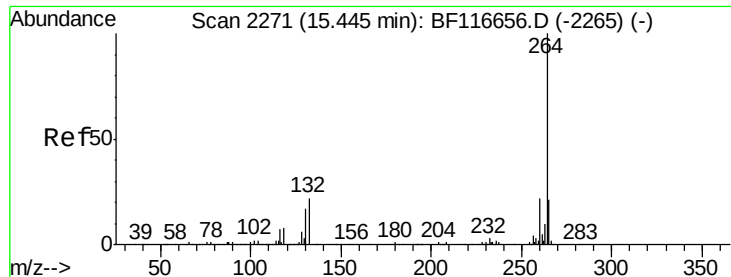
Tot Ion:228 Resp: 53507
Ion Ratio Lower Upper
228 100
226 30.8 24.0 36.0
229 22.8 15.4 23.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.752 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion:276 Resp: 30683
Ion Ratio Lower Upper
276 100
138 20.6 19.4 29.2
277 28.8 20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

Instrument :

BNA_F

ClientSampleId :

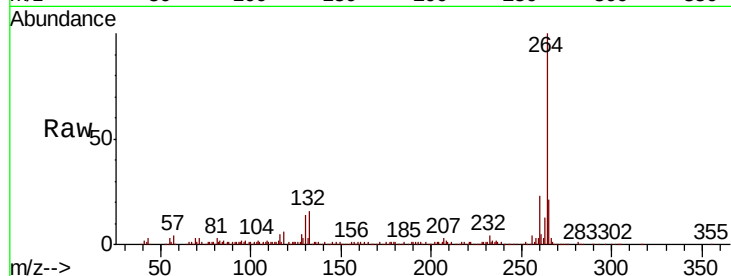
Tot Ion:264 Resp: 174133

Ion Ratio Lower Upper

264 100

260 22.6 18.3 27.5

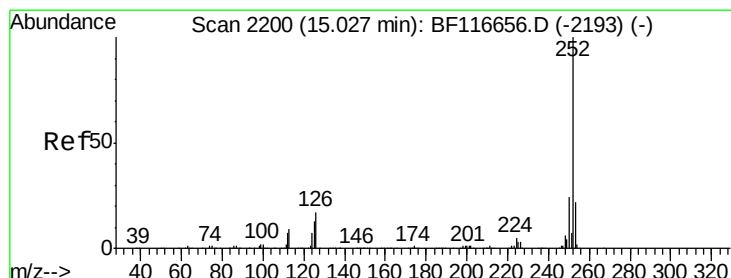
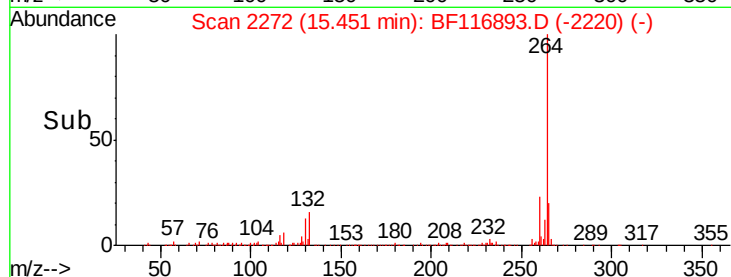
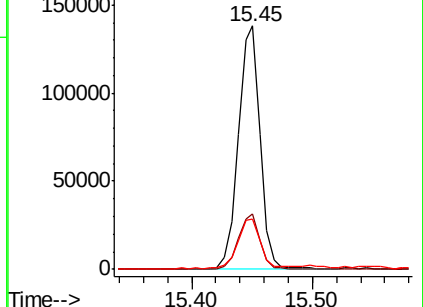
265 20.6 16.5 24.7



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



#88

Benzo(b)fluoranthene

Concen: 8.709 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

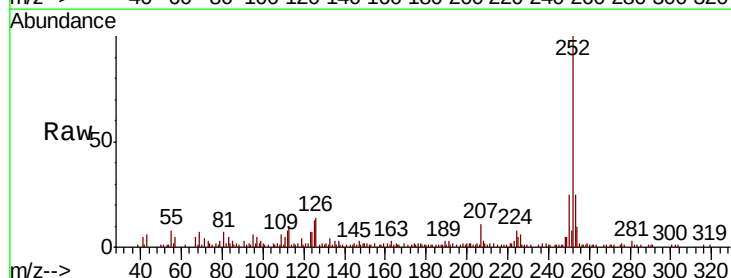
Tgt Ion:252 Resp: 91689

Ion Ratio Lower Upper

252 100

253 25.2 17.7 26.5

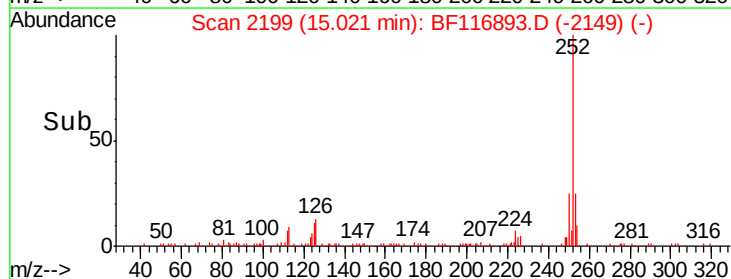
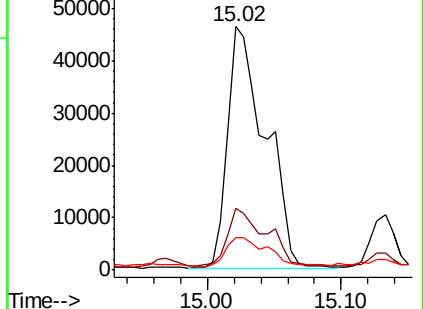
125 13.4 8.2 12.2#

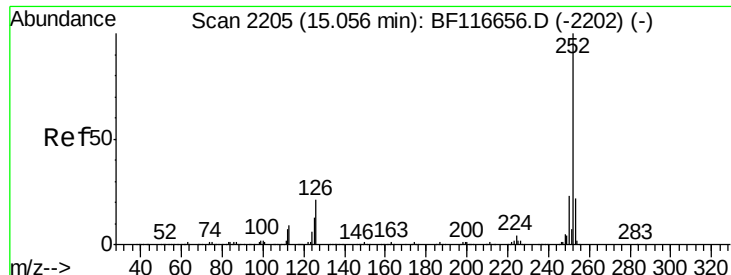


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.552 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

Instrument :

BNA_F

ClientSampleId :

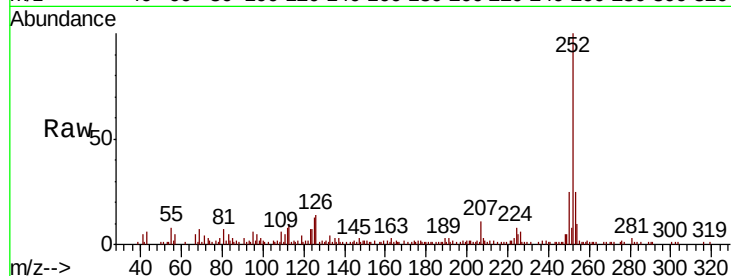
Tot Ion:252 Resp: 91689

Ion Ratio Lower Upper

252 100

253 25.2 17.7 26.5

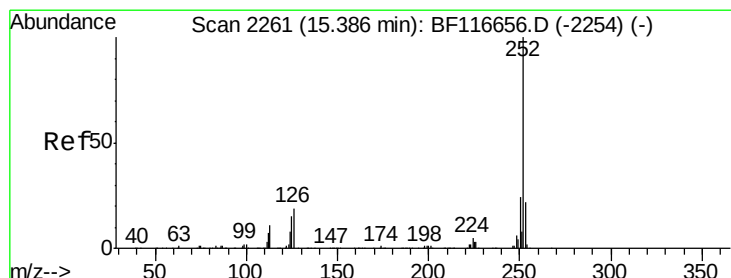
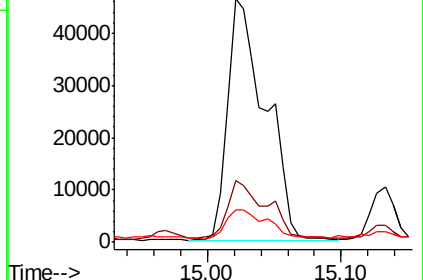
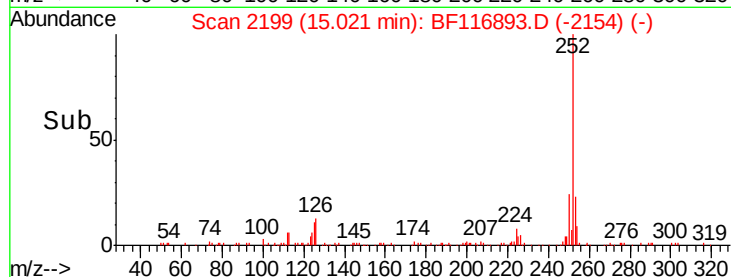
125 13.4 8.6 13.0#



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



#90

Benzo(a)pyrene

Concen: 5.724 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

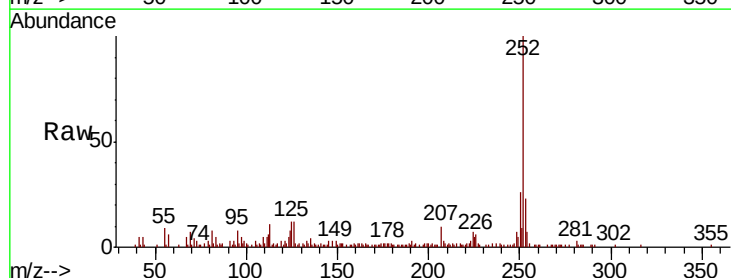
Tgt Ion:252 Resp: 52424

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

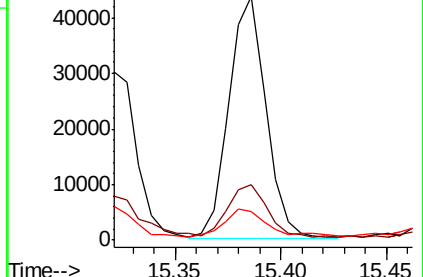
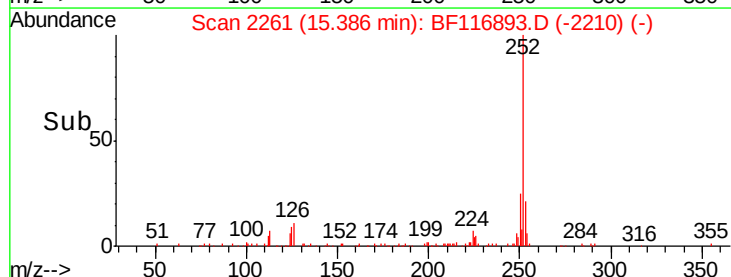
125 11.5 9.8 14.8

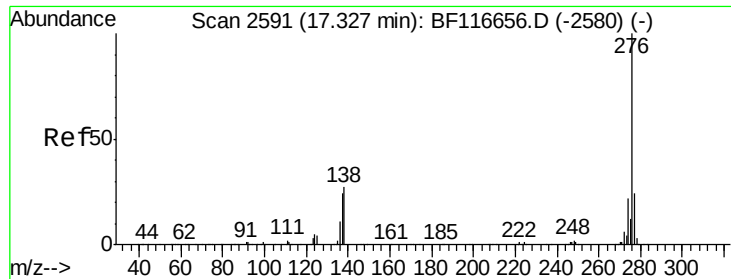


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

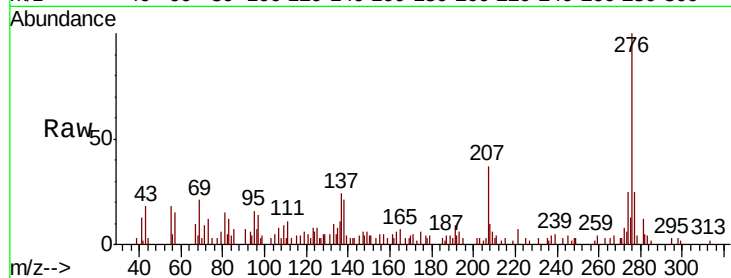




#92
 Benzo(a,h,i)perylene
 Concen: 3.478 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. 0.01 min
 Lab File: BF116893.D
 Acq: 9 Sep 2019 2:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.5	27.7
138	21.0	16.2	24.2



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

