

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111422.D
 Acq On : 14 Dec 2018 16:49
 Operator : JU/SJ
 Sample : J6319-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

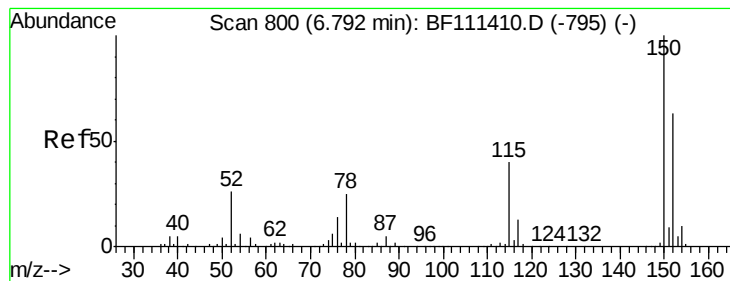
Quant Time: Dec 14 17:26:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	173024	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	690109	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	324602	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	496602	20.00	ng	0.00
76) Chrysene-d12	13.94	240	326203	20.00	ng	0.00
87) Perylene-d12	15.39	264	306955	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1125503	108.25	ng	0.00
7) Phenol-d6	6.44	99	1424522	103.00	ng	0.00
23) Nitrobenzene-d5	7.35	82	886259	76.47	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	262083	90.13	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1349794	64.23	ng	0.00
79) Terphenyl-d14	12.90	244	849135	61.13	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	103920	6.745	ng	91
18) Hexachloroethane	7.33	117	30459	5.896	ng	# 1
25) Isophorone	7.35	82	872493	44.495	ng	# 65
31) Naphthalene	8.09	128	86742	2.687	ng	98
38) 1-Methylnaphthalene	8.89	142	50128	2.376	ng	# 96
50) Dimethylphthalate	9.54	163	118562	5.072	ng	98
75) Fluoranthene	12.53	202	102791	4.106	ng	98
78) Pyrene	12.75	202	108210	4.705	ng	94
81) Benzo(a)anthracene	13.97	228	181205	10.216	ng	96
83) Chrysene	13.97	228	181205	9.698	ng	97
86) Indeno(1,2,3-cd)pyrene	16.65	276	52455	3.890	ng	94
88) Benzo(b)fluoranthene	14.98	252	655168	36.610	ng	99
89) Benzo(k)fluoranthene	14.98	252	655168	38.314	ng	99
90) Benzo(a)pyrene	15.33	252	409030	25.346	ng	97
91) Dibenzo(a,h)anthracene	16.63	278	60887	4.783	ng	94
92) Benzo(g,h,i)perylene	17.23	276	257026	20.569	ng	94

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

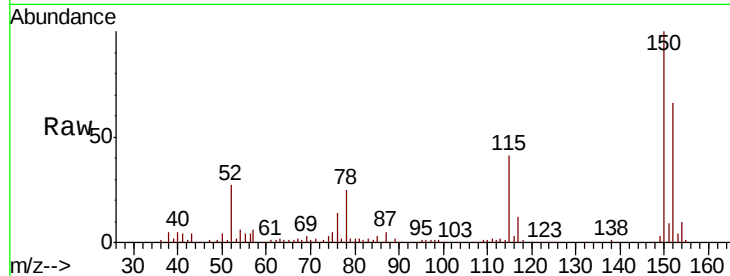


#1

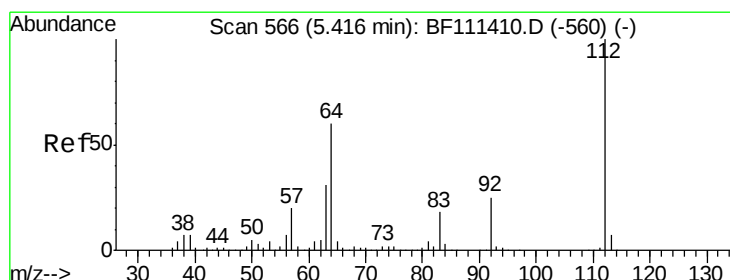
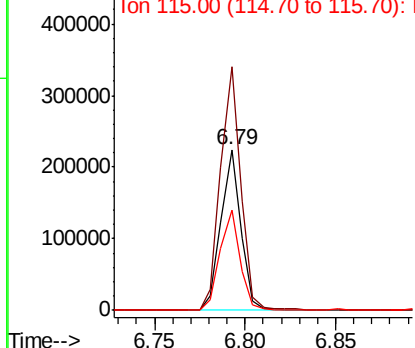
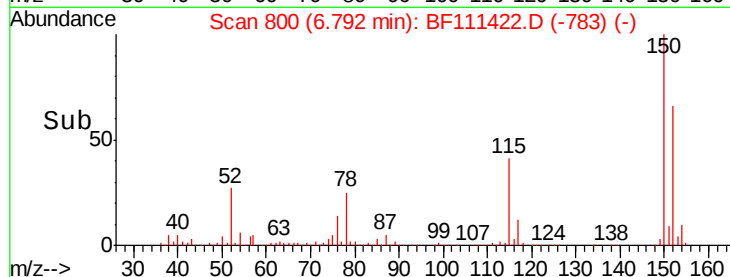
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 173024
Ion Ratio Lower Upper
152 100
150 151.6 126.6 189.8
115 62.2 50.7 76.1



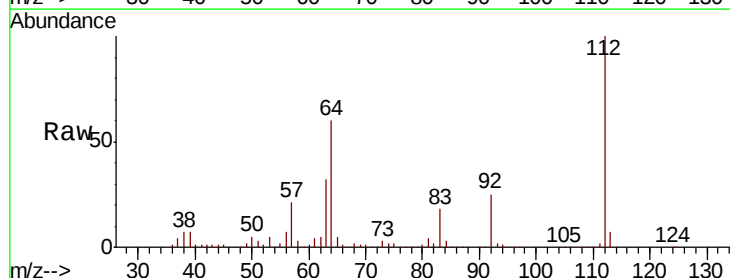
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



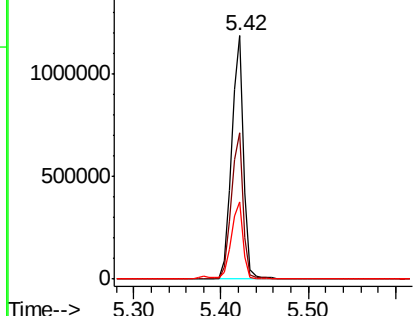
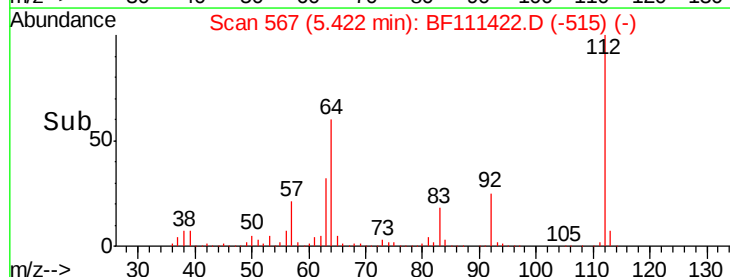
#5

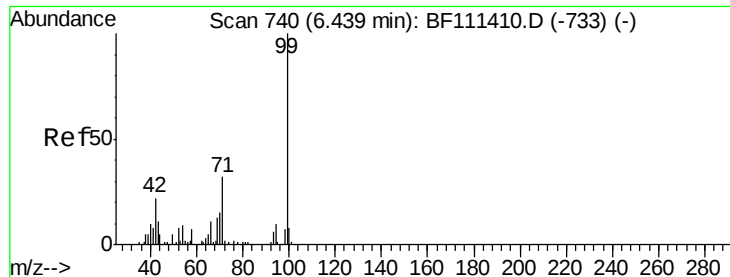
2-Fluorophenol
Concen: 108.245 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Tgt Ion:112 Resp: 1125503
Ion Ratio Lower Upper
112 100
64 59.9 51.8 77.6
63 31.9 26.8 40.2



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: 102.997 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111422.D

Acq: 14 Dec 2018 16:49

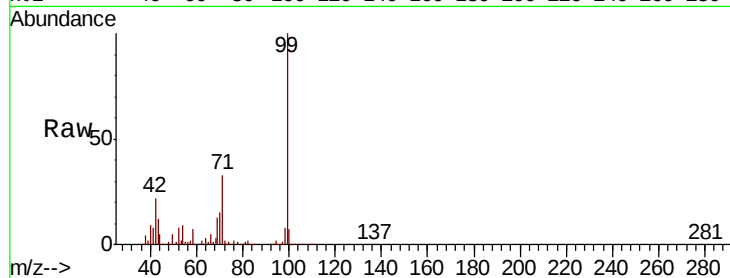
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1424522

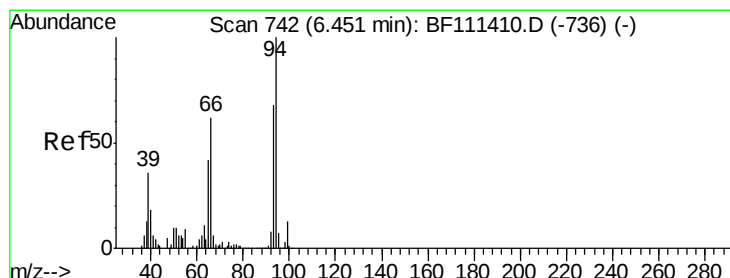
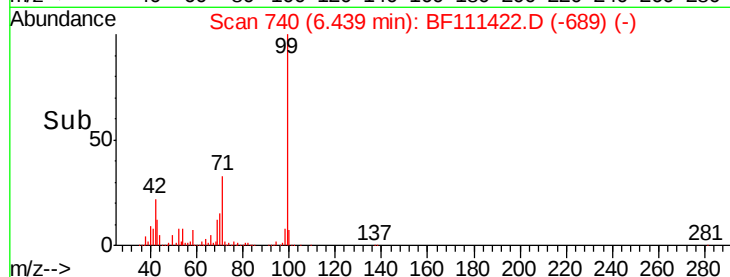
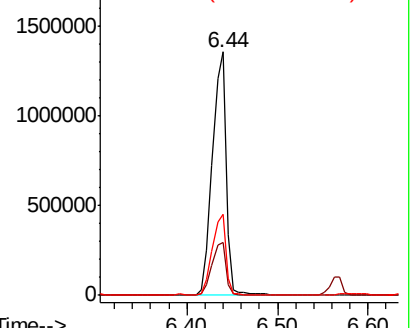
Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.4	26.0
71	33.1	26.1	39.1



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



#10

Phenol

Concen: 6.745 ng

RT: 6.45 min Scan# 741

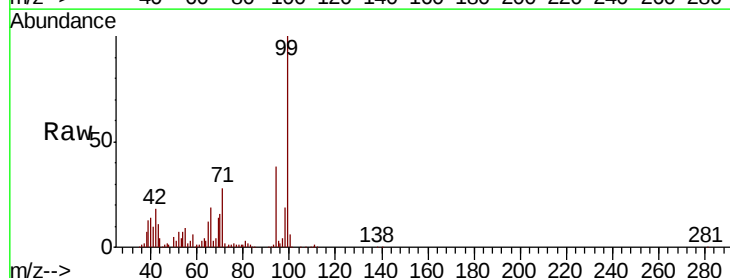
Delta R.T. -0.01 min

Lab File: BF111422.D

Acq: 14 Dec 2018 16:49

Tgt Ion: 94 Resp: 103920

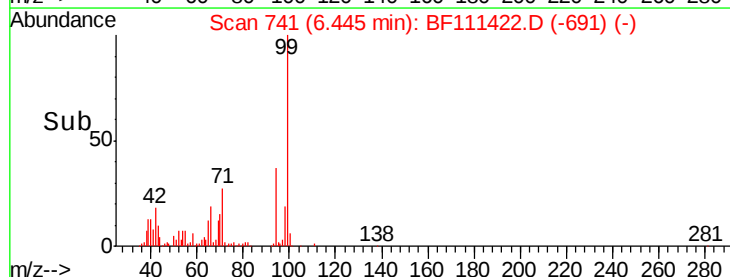
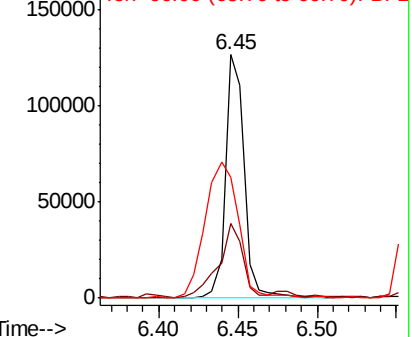
Ion	Ratio	Lower	Upper
94	100		
65	30.6	11.7	51.7
66	49.6	21.0	61.0

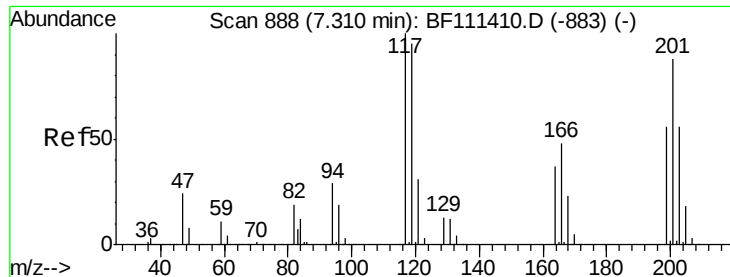


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

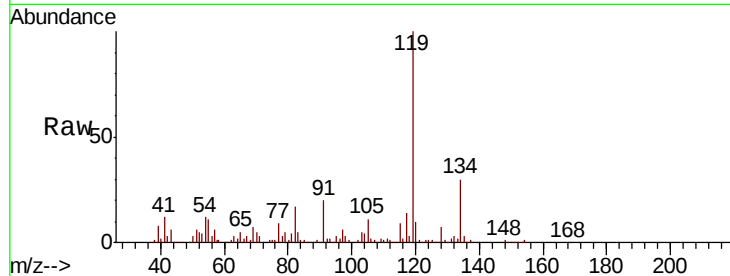




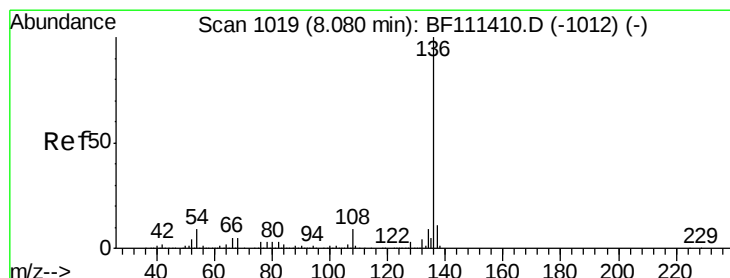
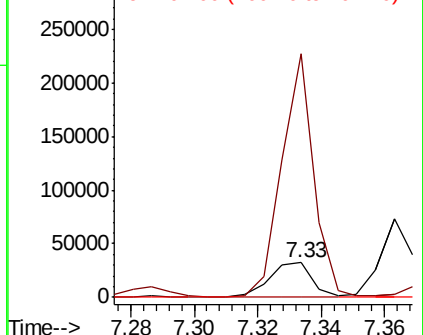
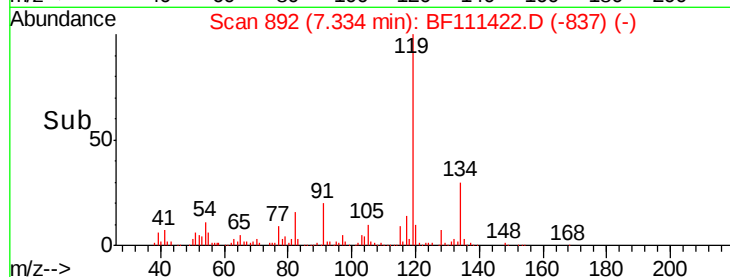
#18
Hexachloroethane
Concen: 5.896 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.02 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:117 Resp: 30459
Ion Ratio Lower Upper
117 100
119 707.7 75.4 113.0#
201 0.0 62.4 93.6#

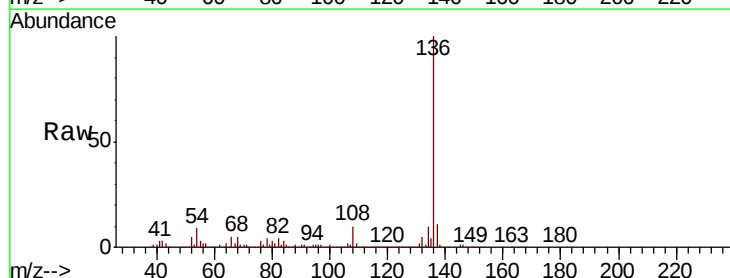


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

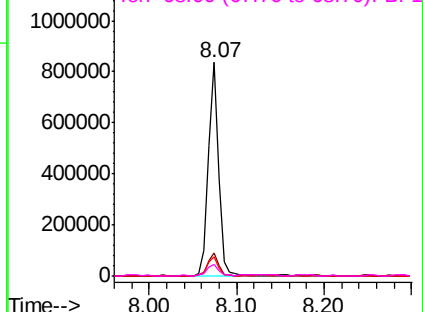
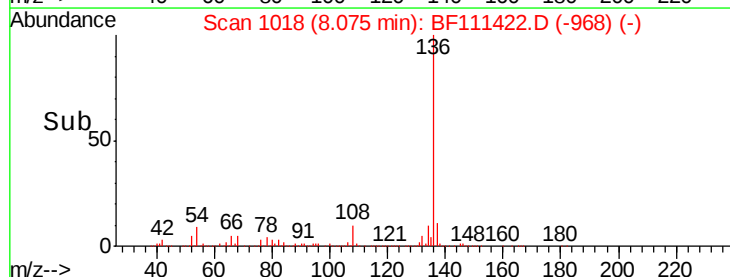


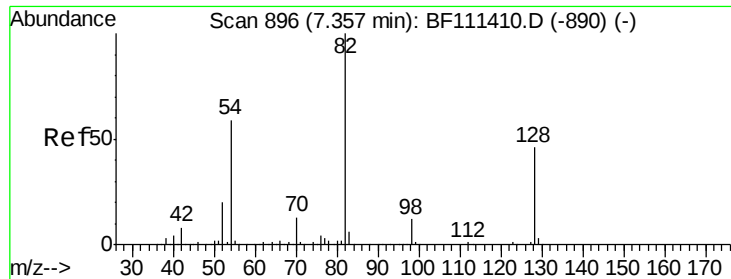
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Tgt Ion:136 Resp: 690109
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.2 7.7 11.5
68 5.2 4.9 7.3



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

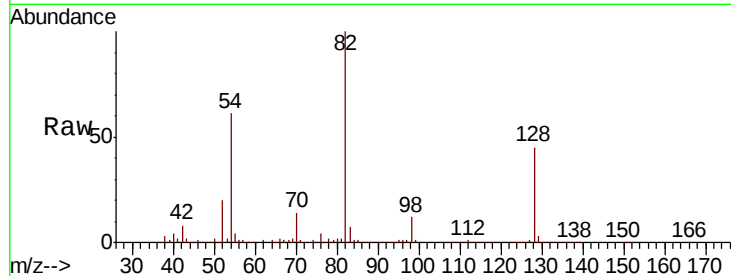




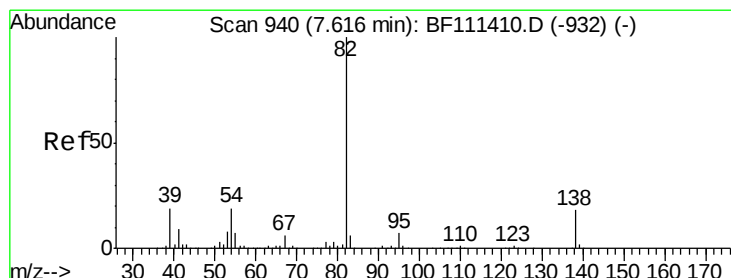
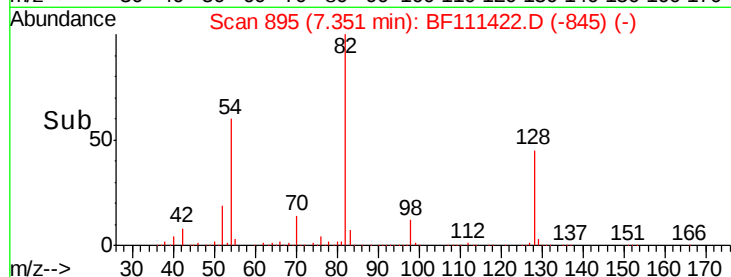
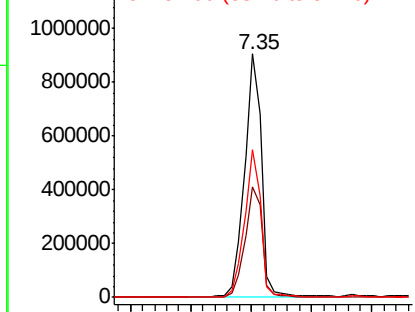
#23
Nitrobenzene-d5
Concen: 76.474 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	886259
Ion Ratio	Lower	Upper	
82	100		
128	45.3	37.4	56.2
54	60.5	47.6	71.4

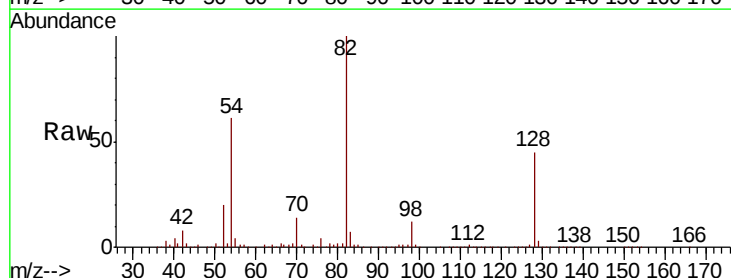


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

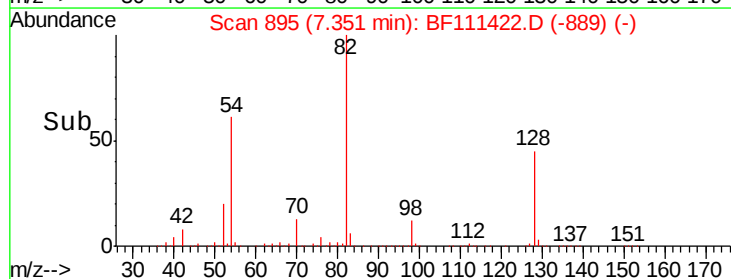
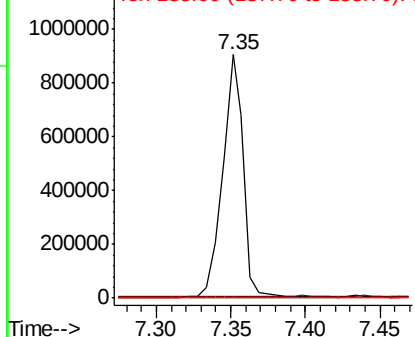


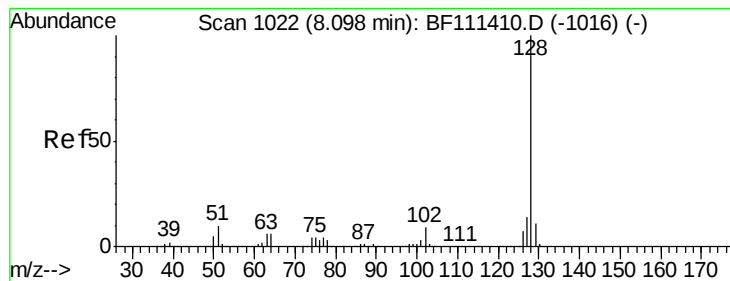
#25
Isophorone
Concen: 44.495 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Tgt Ion	82	Resp	872493
Ion Ratio	Lower	Upper	
82	100		
95	0.9	5.4	8.2#
138	0.0	15.1	22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 2.687 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF111422.D

Acq: 14 Dec 2018 16:49

Instrument :

BNA_F

ClientSampleId :

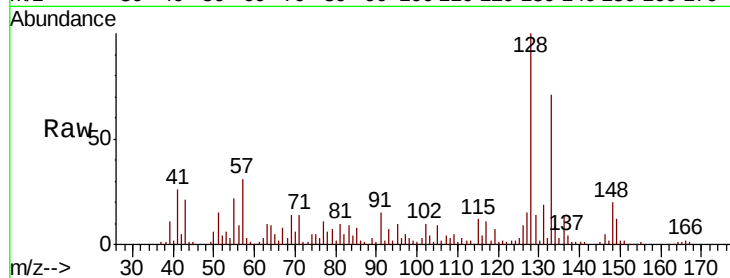
Tot Ion:128 Resp: 86742

Ion Ratio Lower Upper

128 100

129 13.7 9.8 14.8

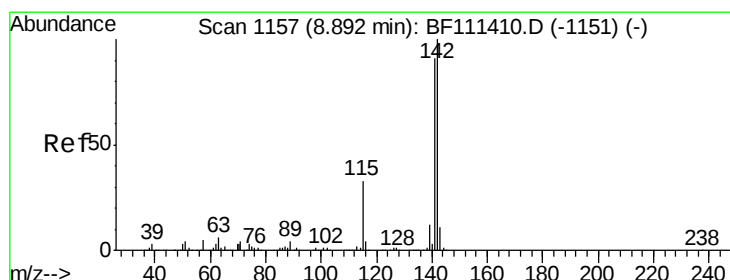
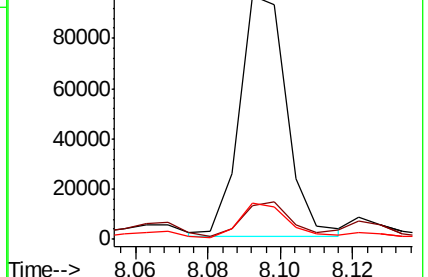
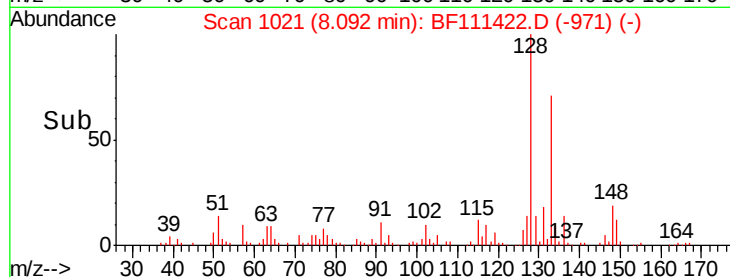
127 15.0 12.0 18.0



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



#38

1-Methylnaphthalene

Concen: 2.376 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF111422.D

Acq: 14 Dec 2018 16:49

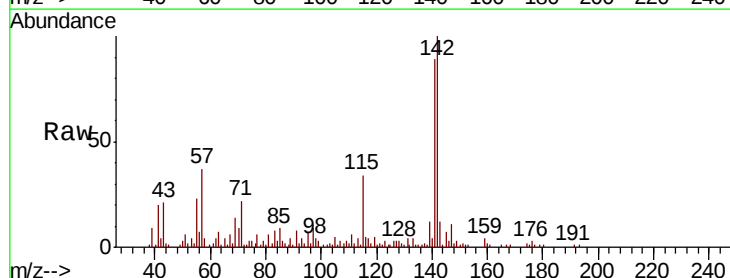
Tgt Ion:142 Resp: 50128

Ion Ratio Lower Upper

142 100

141 89.0 74.2 111.4

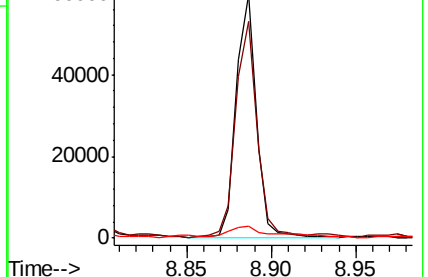
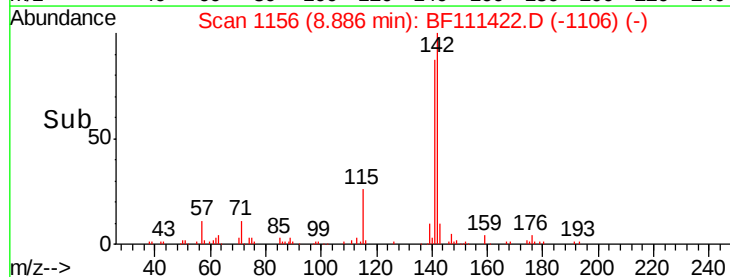
116 4.9 2.9 4.3#

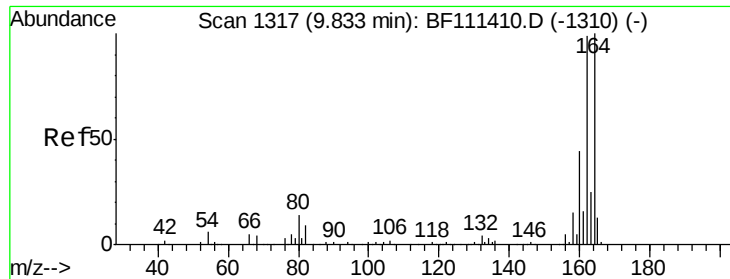


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

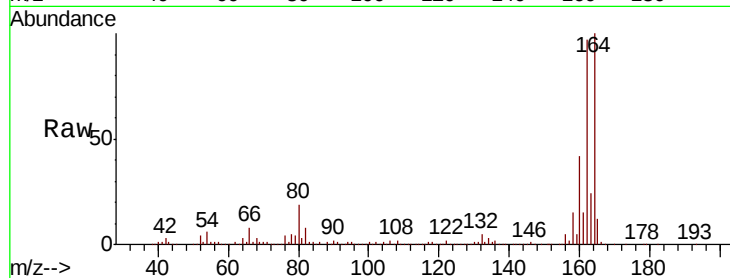




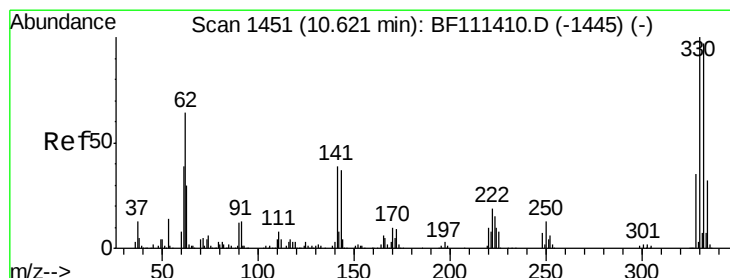
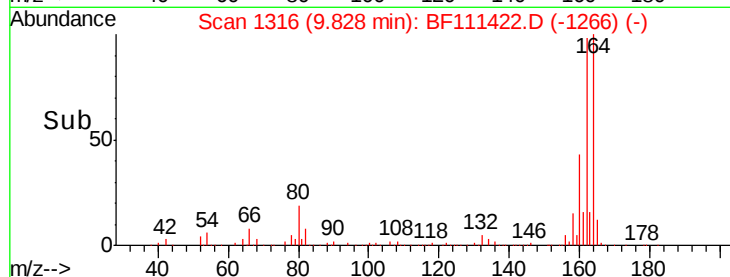
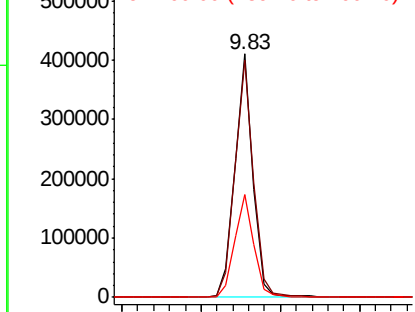
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.2	81.4	122.0
160	42.2	35.7	53.5

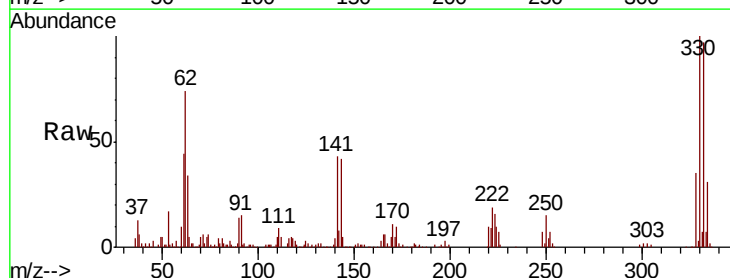


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

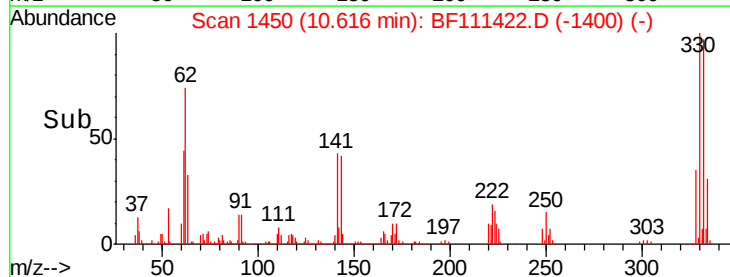
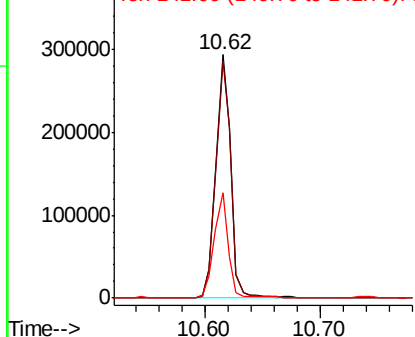


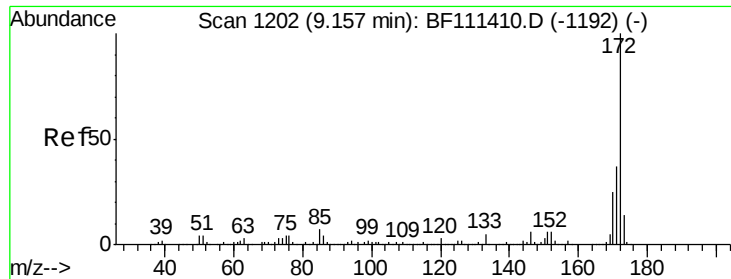
#42
2,4,6-Tribromophenol
Concen: 90.133 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.0	114.0
141	41.3	31.0	46.6



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

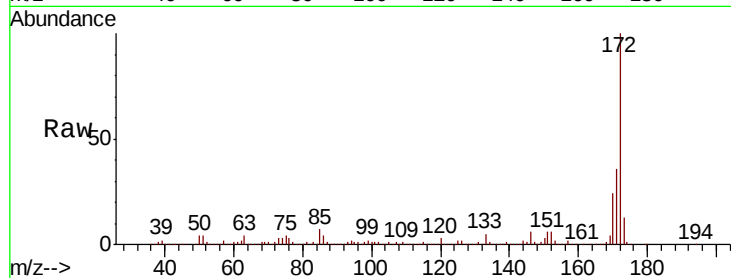




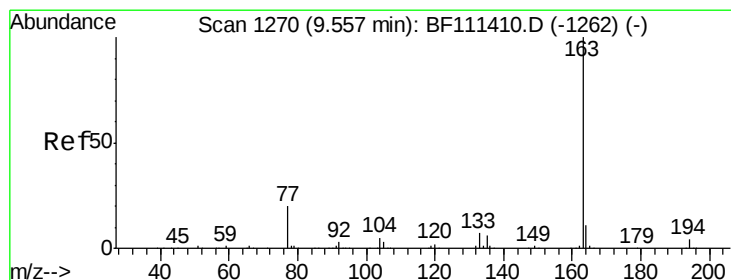
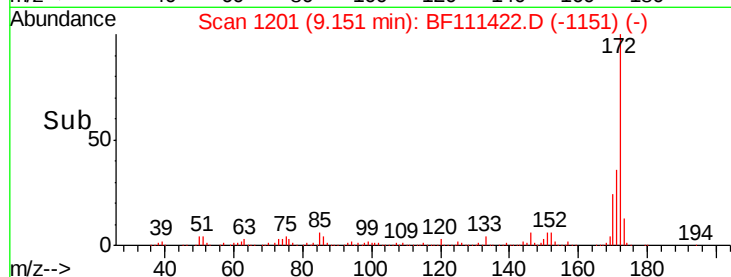
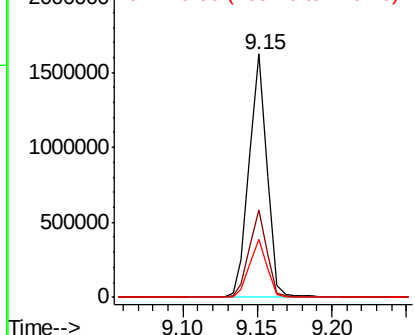
#45
2-Fluorobiphenyl
Concen: 64.231 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1349794
Ion Ratio Lower Upper
172 100
171 36.1 33.0 49.4
170 23.8 22.3 33.5

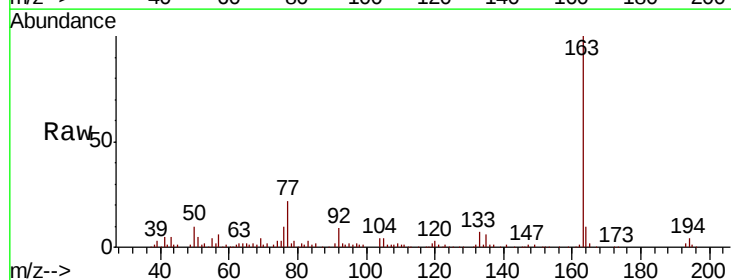


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

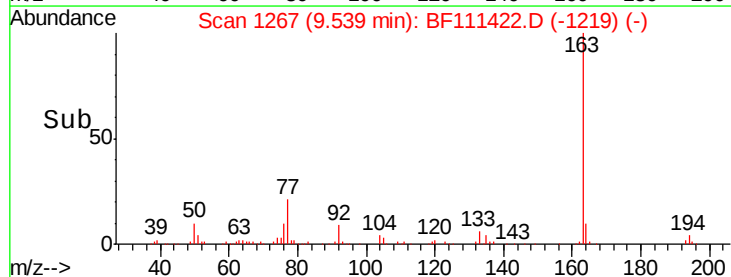
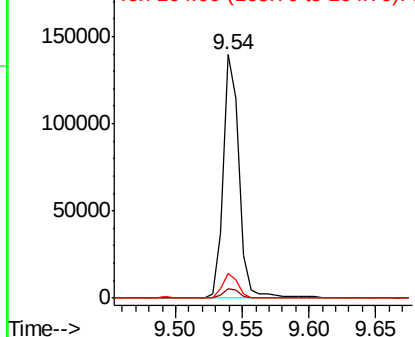


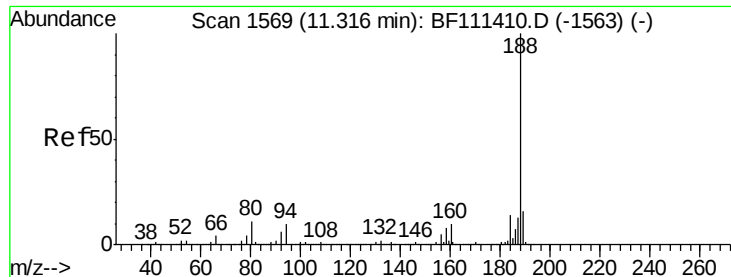
#50
Dimethylphthalate
Concen: 5.072 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Tgt Ion:163 Resp: 118562
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.4 8.9 13.3



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111422.D

Acq: 14 Dec 2018 16:49

Instrument :

BNA_F

ClientSampleId :

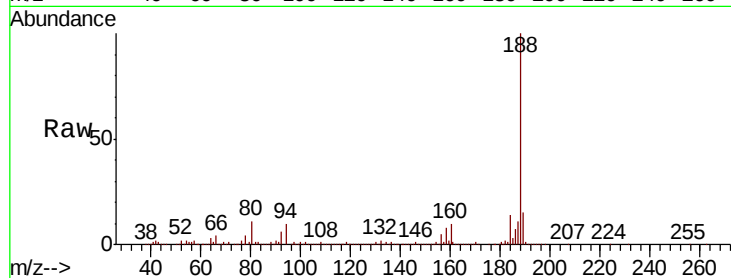
Tot Ion:188 Resp: 496602

Ion Ratio Lower Upper

188 100

94 10.2 9.6 14.4

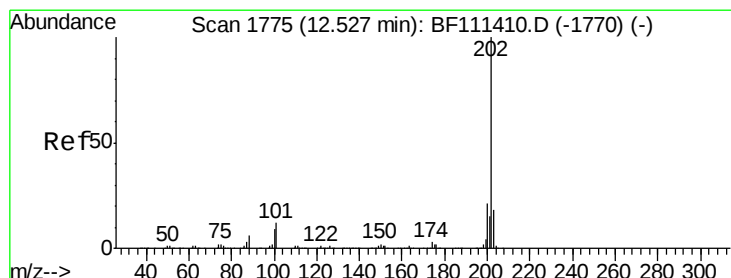
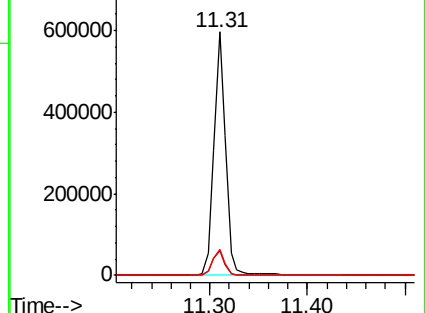
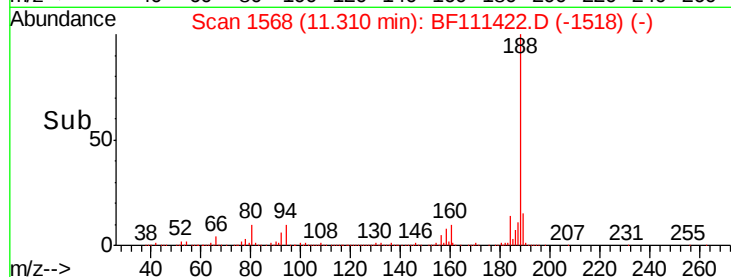
80 10.7 9.8 14.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Fluoranthene

Concen: 4.106 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111422.D

Acq: 14 Dec 2018 16:49

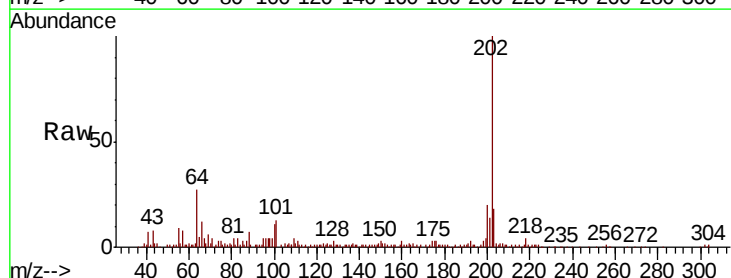
Tgt Ion:202 Resp: 102791

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.8

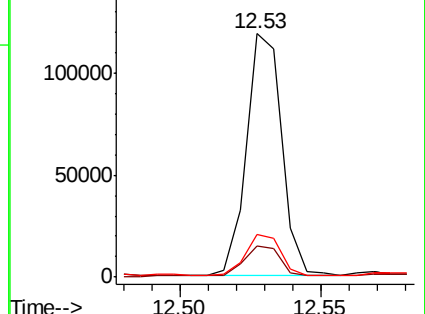
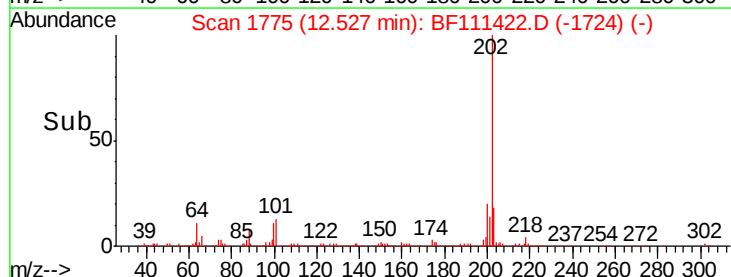
203 17.8 0.0 38.6

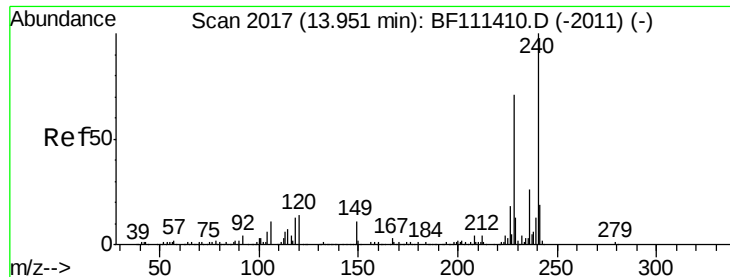


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

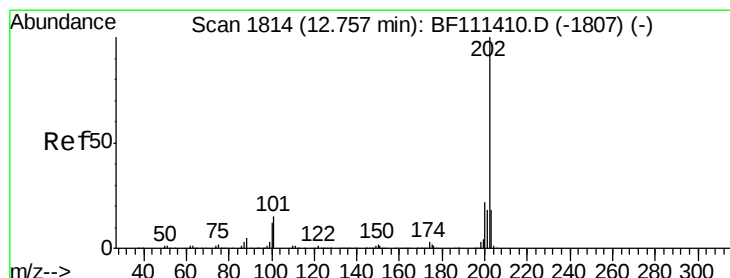
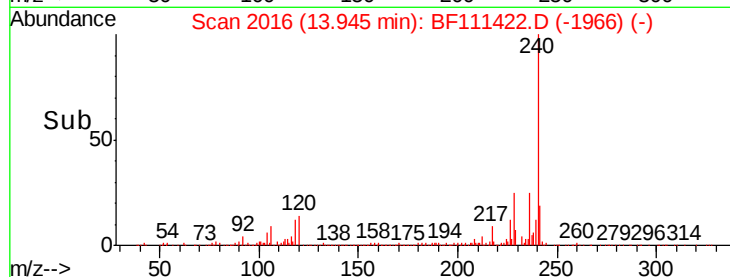
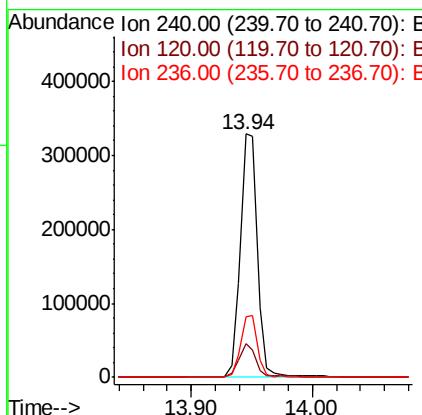
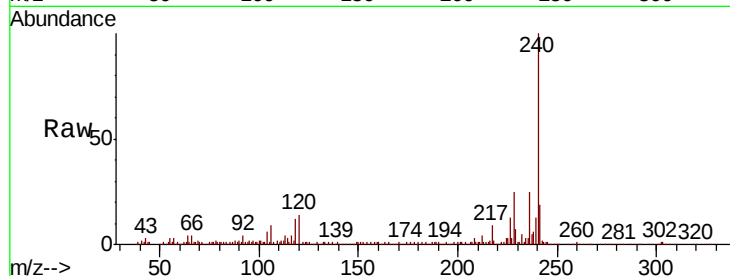




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

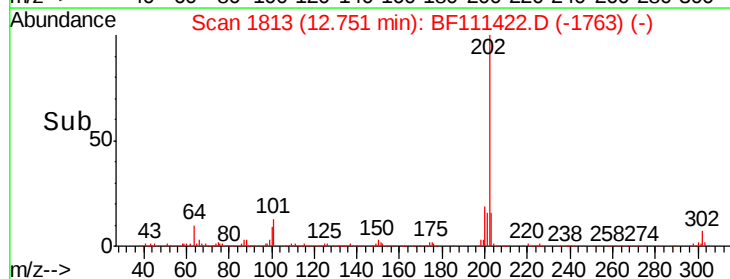
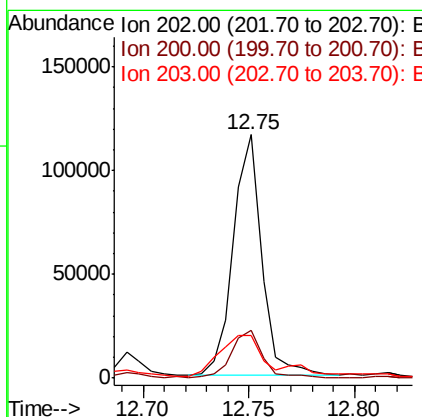
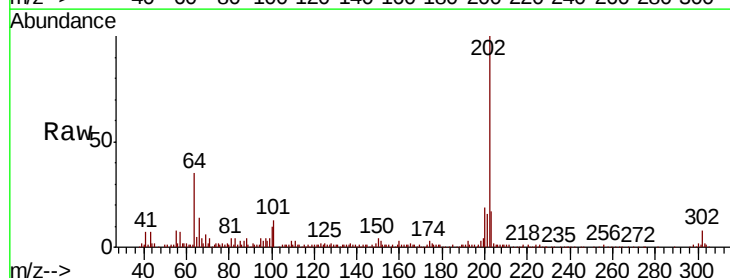
Instrument :
BNA_F
ClientSampleId :

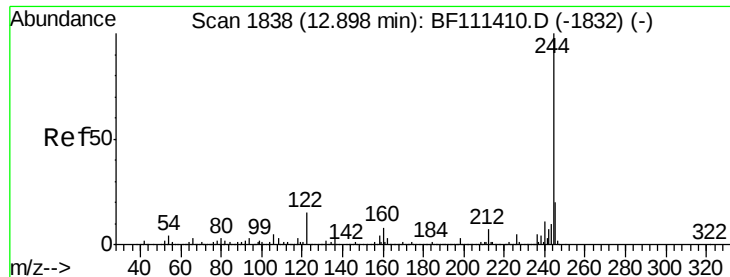
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.9	12.2	18.2
236	25.1	20.2	30.2



#78
Pyrene
Concen: 4.705 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	19.0	28.4
203	17.5	15.2	22.8

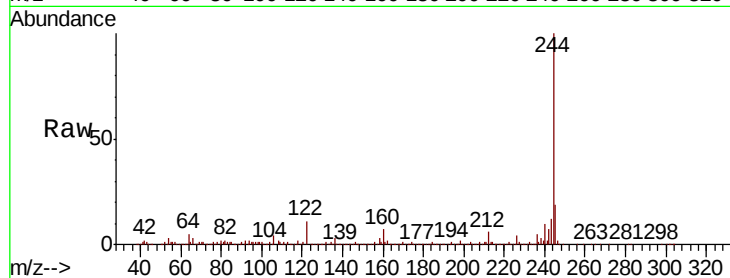




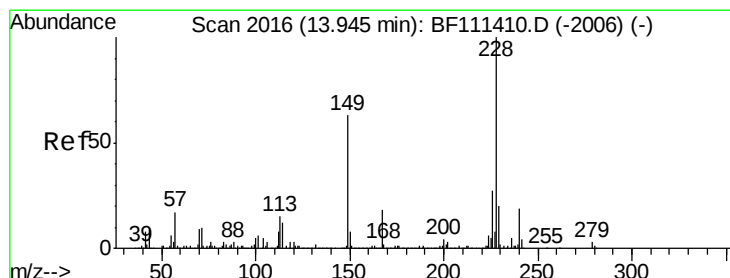
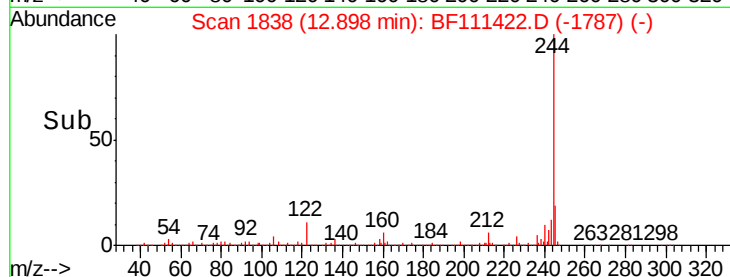
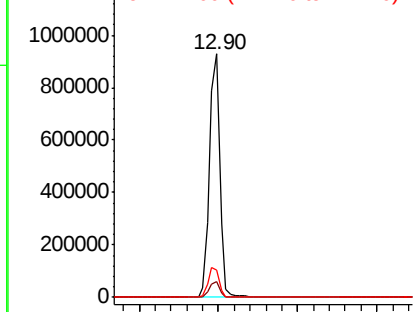
#79
 Terphenyl-d14
 Concen: 61.127 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111422.D
 Acq: 14 Dec 2018 16:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 849135
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.7 8.5
 122 11.2 13.1 19.7#

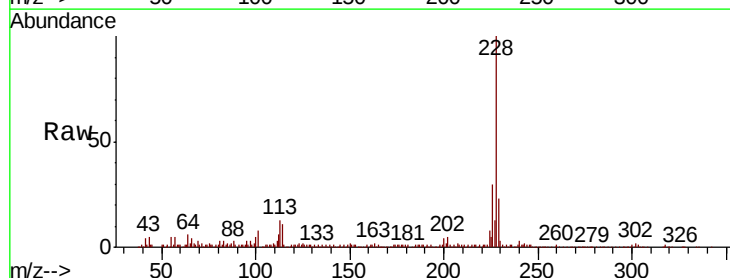


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

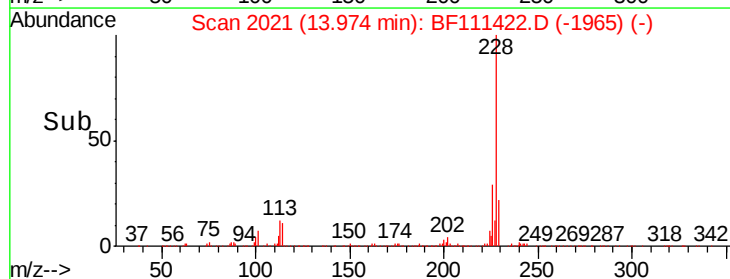
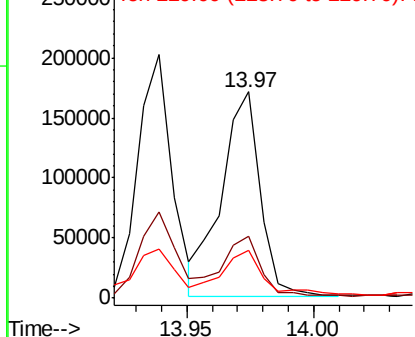


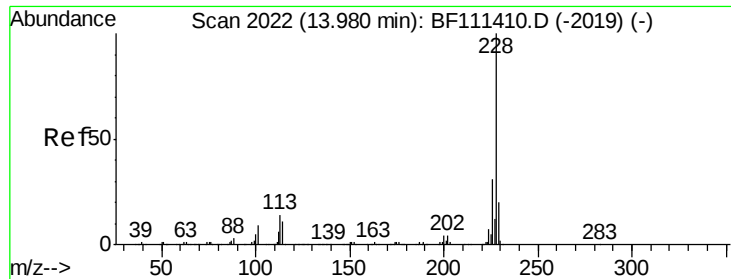
#81
 Benzo(a)anthracene
 Concen: 10.216 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.03 min
 Lab File: BF111422.D
 Acq: 14 Dec 2018 16:49

Tgt Ion:228 Resp: 181205
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.6 34.0
 229 23.2 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

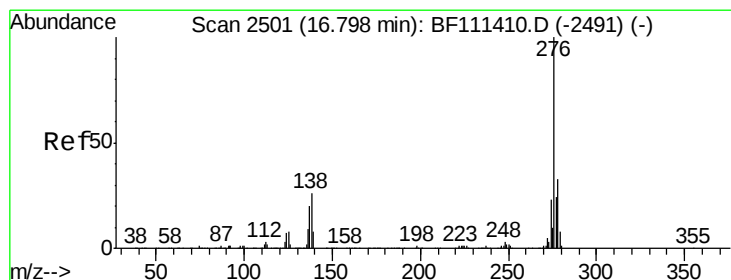
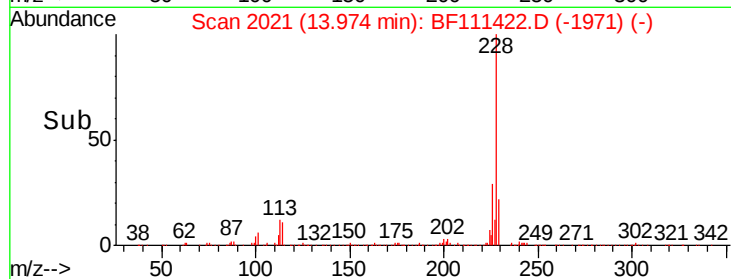
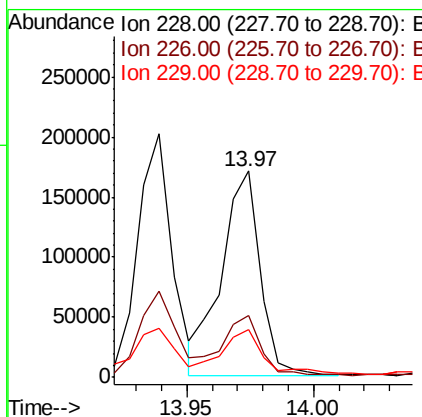
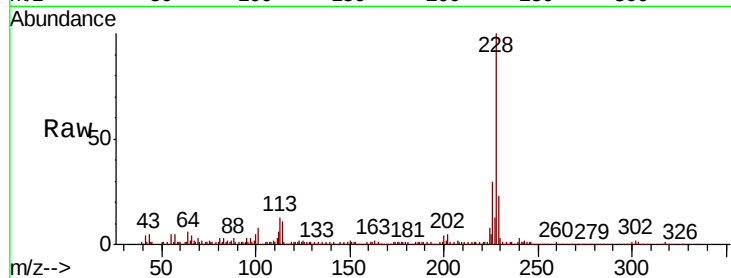




#83
Chrysene
Concen: 9.698 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

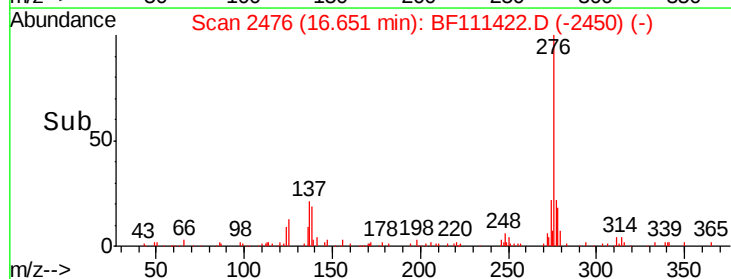
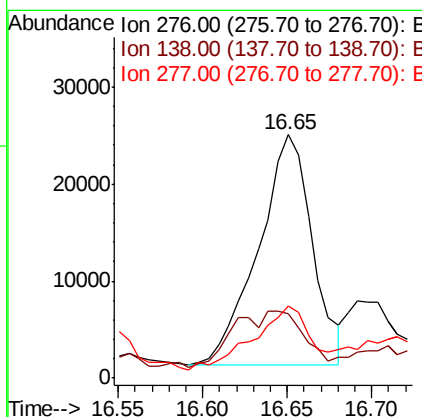
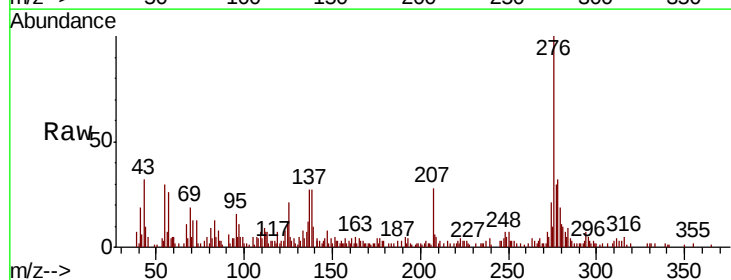
Instrument :
BNA_F
ClientSampled :

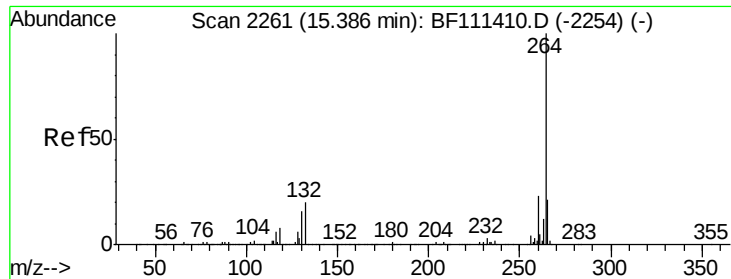
Tot Ion:228 Resp: 181205
Ion Ratio Lower Upper
228 100
226 29.7 25.3 37.9
229 23.2 17.2 25.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.890 ng
RT: 16.65 min Scan# 2476
Delta R.T. -0.15 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Tgt Ion:276 Resp: 52455
Ion Ratio Lower Upper
276 100
138 31.6 27.8 41.6
277 28.2 20.1 30.1

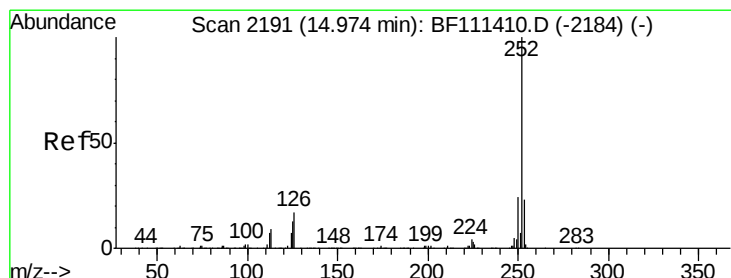
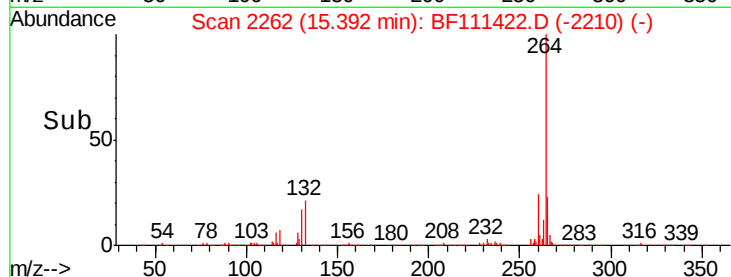
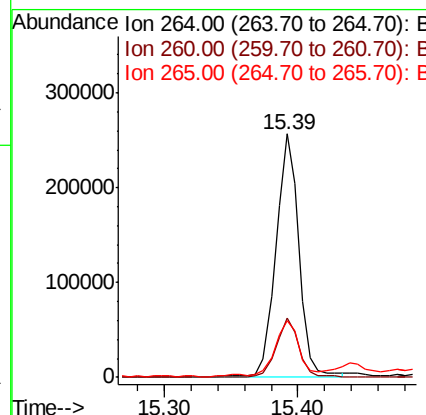
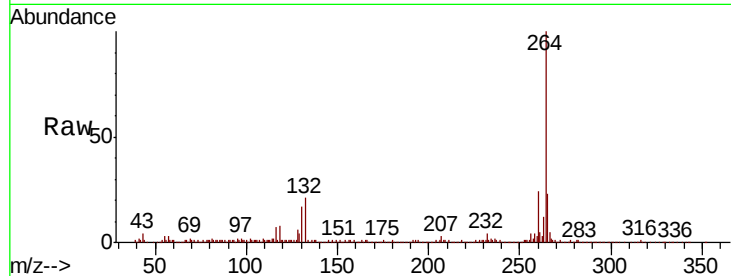




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

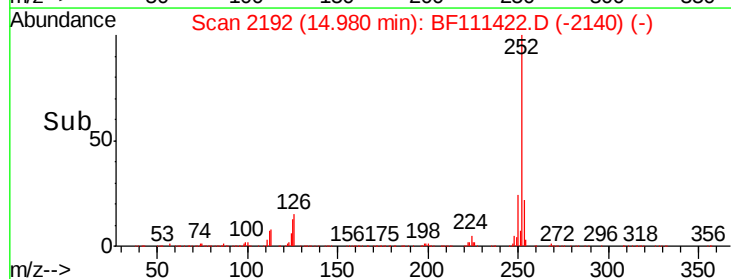
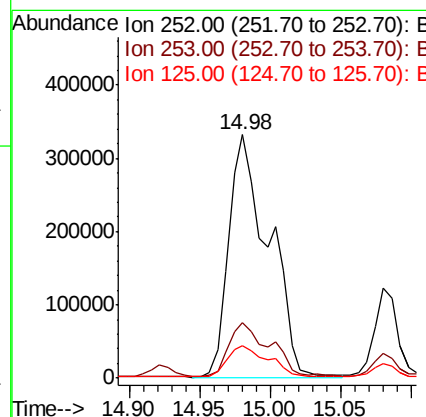
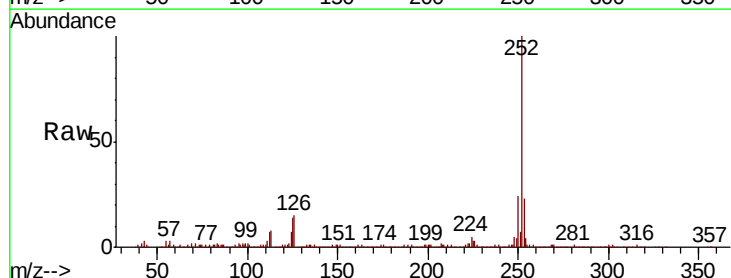
Instrument :
BNA_F
ClientSampleId :

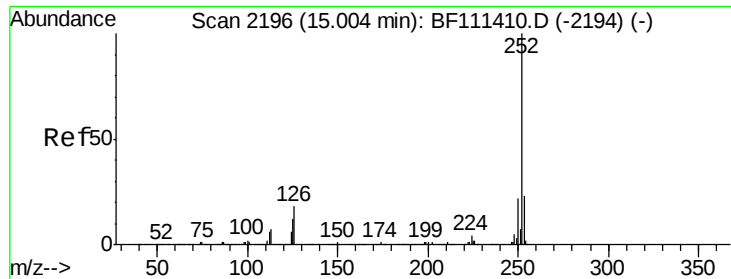
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.3	27.5
265	23.4	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 36.610 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	13.5	10.4	15.6

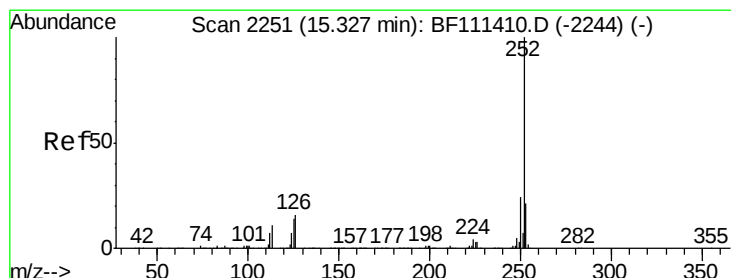
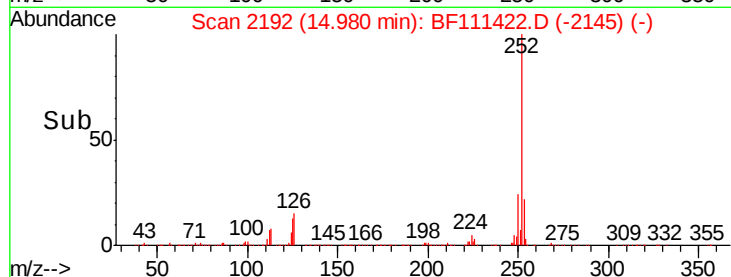
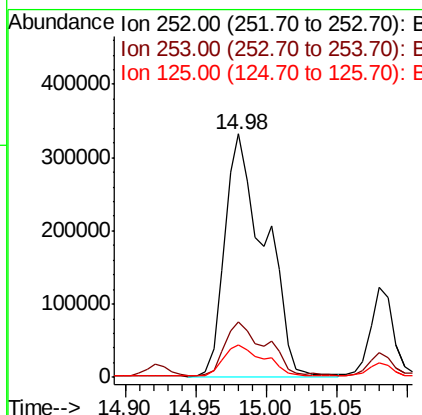
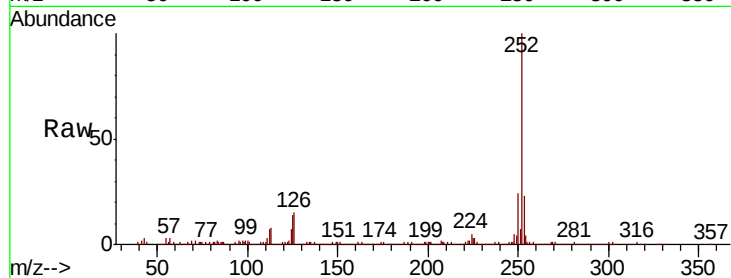




#89
Benzo(k)fluoranthene
Concen: 38.314 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

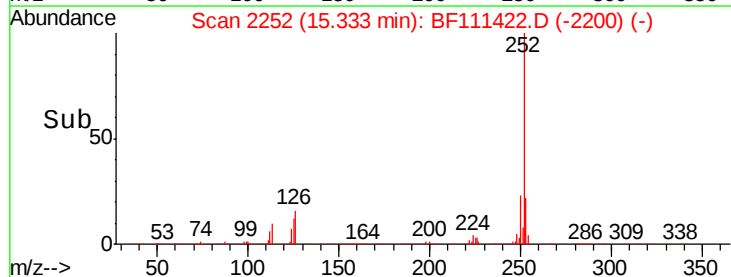
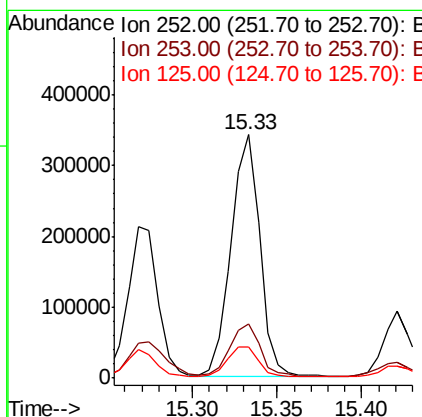
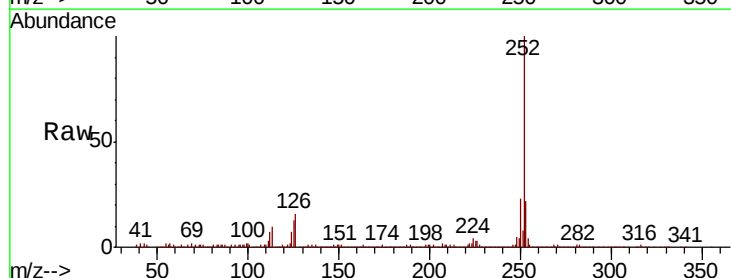
Instrument :
BNA_F
ClientSampleId :

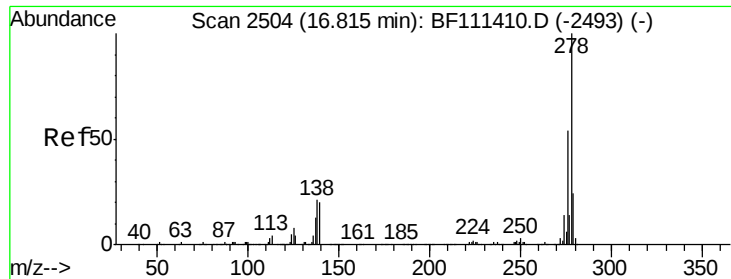
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.5	9.8	14.8



#90
Benzo(a)pyrene
Concen: 25.346 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111422.D
Acq: 14 Dec 2018 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	12.7	12.3	18.5





#91

Dibenzo(a,h)anthracene

Concen: 4.783 ng

RT: 16.63 min Scan# 2472

Delta R.T. -0.19 min

Lab File: BF111422.D

Acq: 14 Dec 2018 16:49

Instrument :

BNA_F

ClientSampleId :

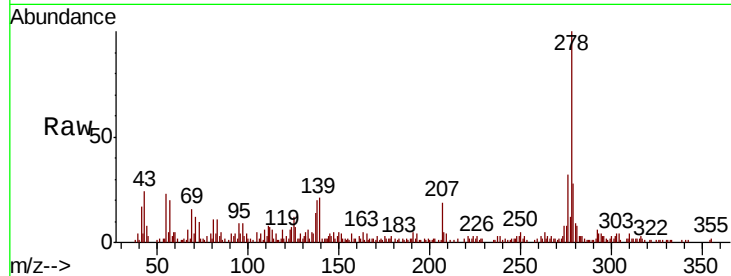
Tot Ion:278 Resp: 60887

Ion Ratio Lower Upper

278 100

139 20.6 18.2 27.4

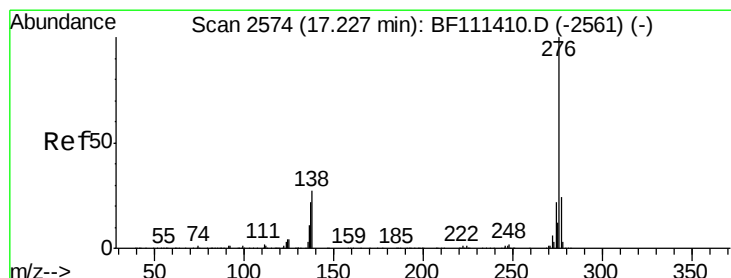
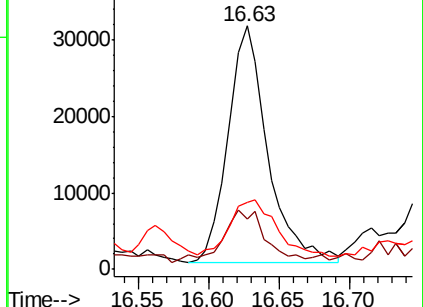
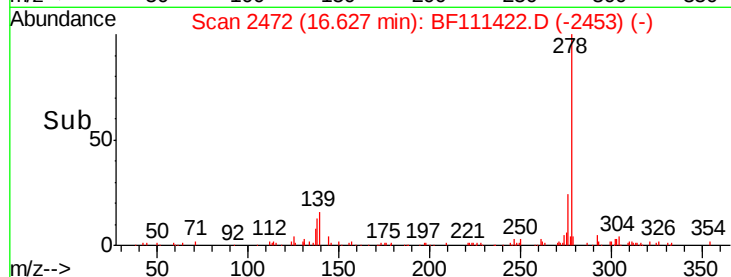
279 27.6 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 20.569 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111422.D

Acq: 14 Dec 2018 16:49

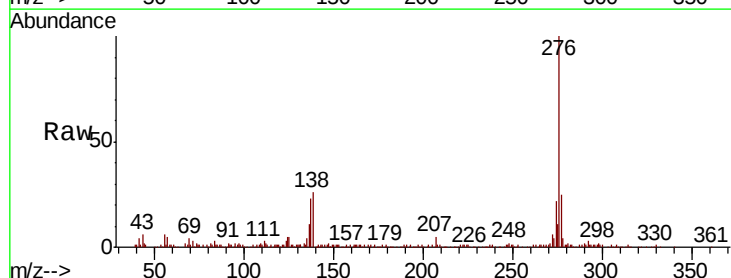
Tgt Ion:276 Resp: 257026

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 26.4 24.9 37.3



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

