

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112433.D
 Acq On : 7 Feb 2019 12:37
 Operator : JU/SJ
 Sample : K1385-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 98-SB-01-2-4

Quant Time: Feb 09 03:11:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	144482	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	568289	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	282260	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	534872	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	346746	20.00	ng	-0.01
87) Perylene-d12	15.47	264	321013	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	909986	133.78	ng	-0.01
7) Phenol-d6	6.48	99	1169581	123.74	ng	-0.01
23) Nitrobenzene-d5	7.39	82	724324	73.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	352219	107.21	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1402947	70.30	ng	-0.02
79) Terphenyl-d14	12.94	244	1333858	72.45	ng	-0.01

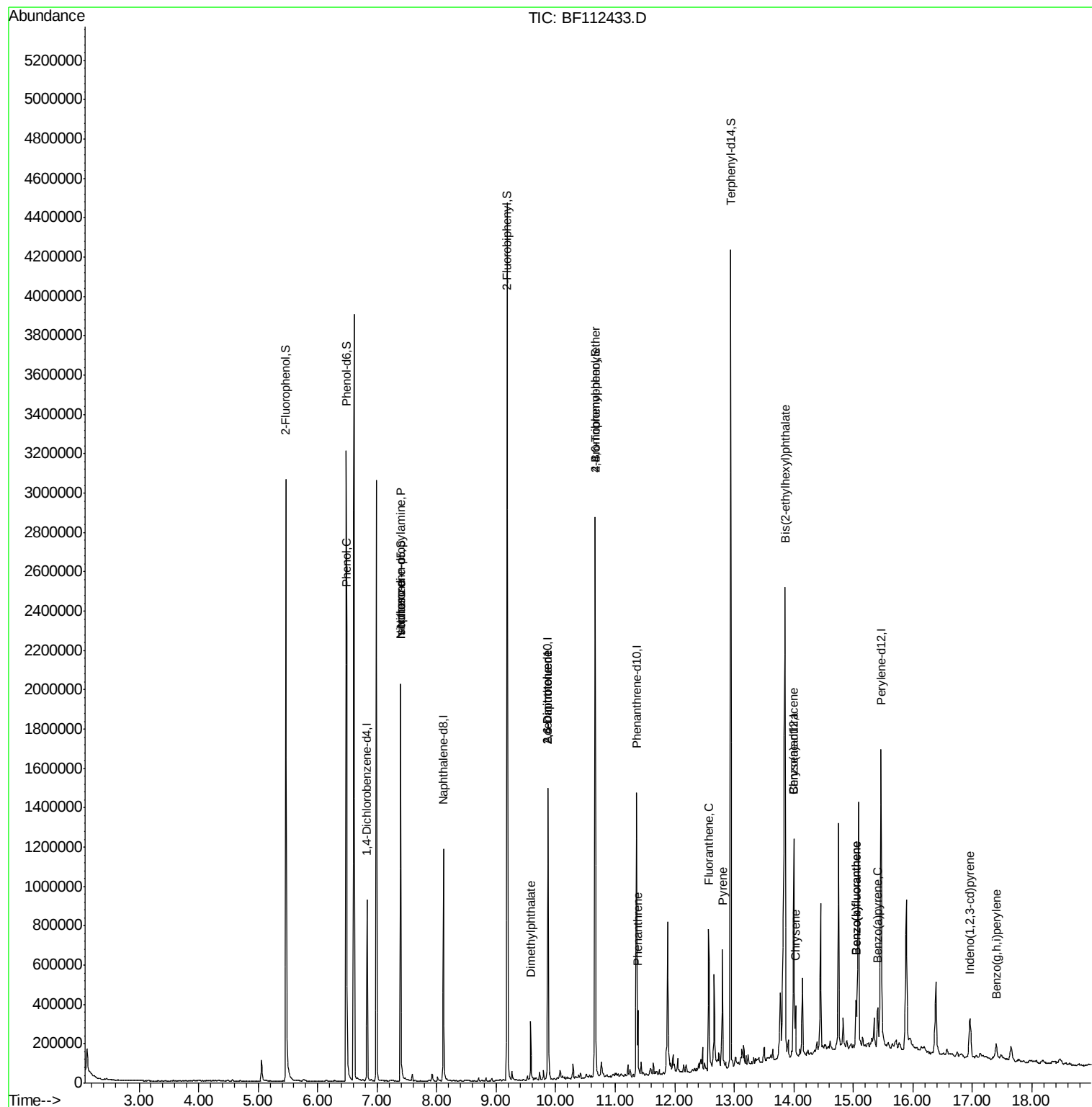
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	24513	2.364	ng	93
19) n-Nitroso-di-n-propylamine	7.39	70	97558	14.969	ng	# 76
25) Isophorone	7.39	82	724315	46.813	ng	# 63
50) Dimethylphthalate	9.58	163	115683	5.275	ng	99
51) 2,6-Dinitrotoluene	9.87	165	36240	7.379	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	36240	5.796	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	21196	3.369	ng	# 1
71) Phenanthrene	11.38	178	120157	4.321	ng	98
75) Fluoranthene	12.57	202	263892	8.848	ng	97
78) Pyrene	12.80	202	235025	9.790	ng	96
81) Benzo(a)anthracene	13.99	228	108186	5.308	ng	98
83) Chrysene	14.03	228	104482	5.370	ng	97
84) Bis(2-ethylhexyl)phthalate	13.86	149	1081044	65.569	ng	# 52
86) Indeno(1,2,3-cd)pyrene	16.95	276	59253	3.843	ng	96
88) Benzo(b)fluoranthene	15.04	252	175088	9.120	ng	97
89) Benzo(k)fluoranthene	15.04	252	175088	9.521	ng	98
90) Benzo(a)pyrene	15.41	252	90103	5.216	ng	97
92) Benzo(g,h,i)perylene	17.40	276	57904	4.408	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
Data File : BF112433.D
Acq On : 7 Feb 2019 12:37
Operator : JU/SJ
Sample : K1385-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Quant Time: Feb 09 03:11:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Instrument :

BNA_F

ClientSampleId :

98-SB-01-2-4

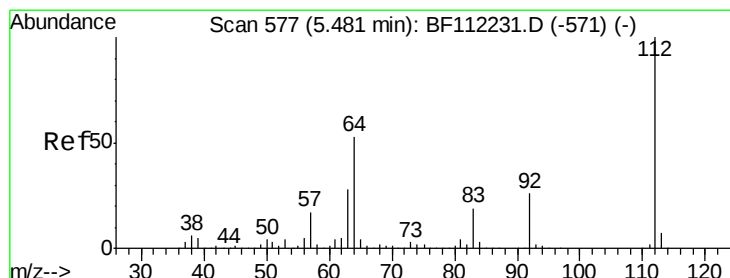
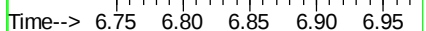
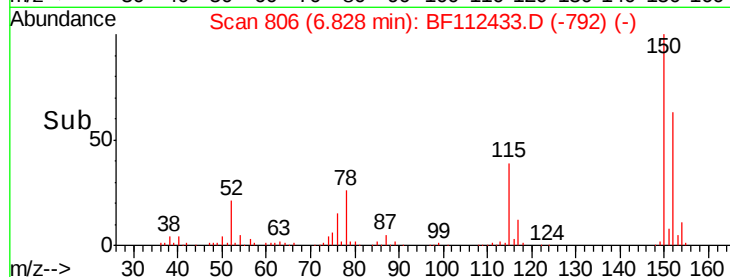
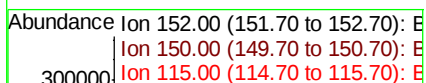
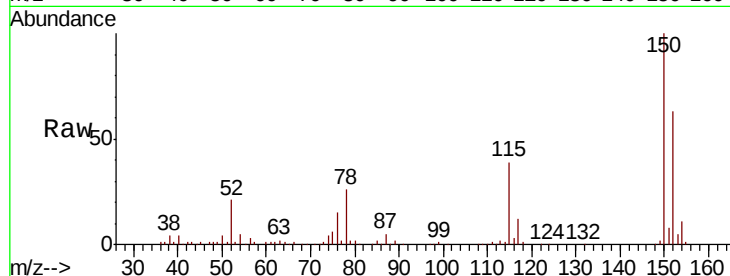
Tot Ion:152 Resp: 144482

Ion Ratio Lower Upper

152 100

150 158.4 127.4 191.0

115 61.4 45.5 68.3



#5

2-Fluorophenol

Concen: 133.779 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

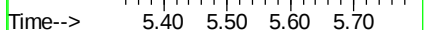
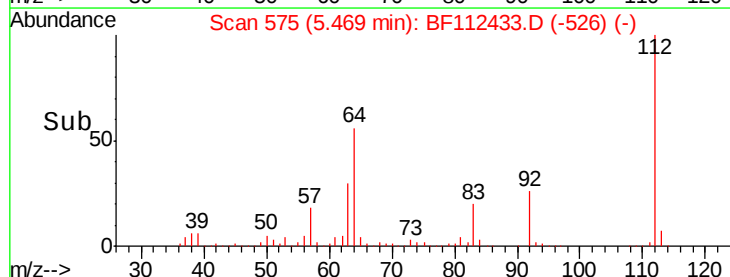
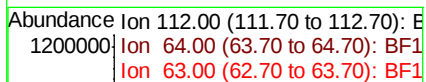
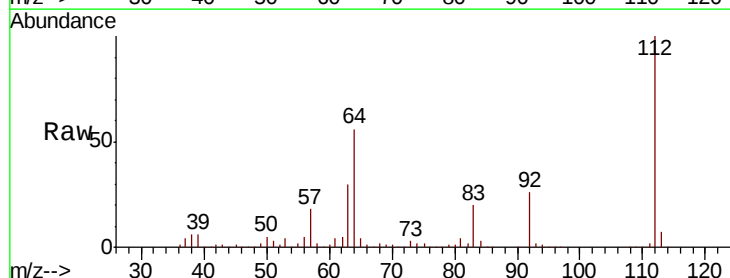
Tgt Ion:112 Resp: 909986

Ion Ratio Lower Upper

112 100

64 55.8 45.7 68.5

63 30.3 23.6 35.4





#7

Phenol-d6

Concen: 123.740 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Instrument :

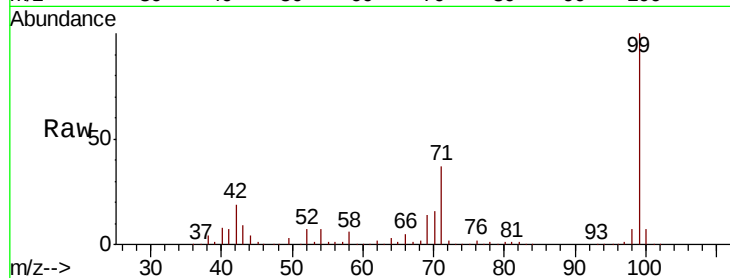
BNA_F

ClientSampleId :

98-SB-01-2-4

Tot Ion: 99 Resp: 1169581

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.1	22.7
71	37.3	26.9	40.3

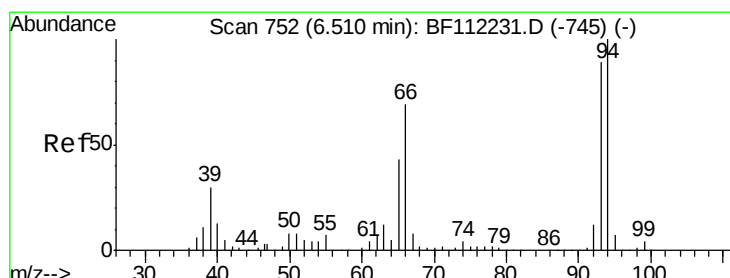
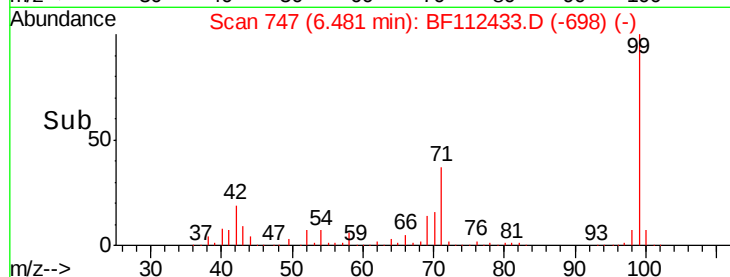


Abundance

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: 2.364 ng

RT: 6.49 min Scan# 749

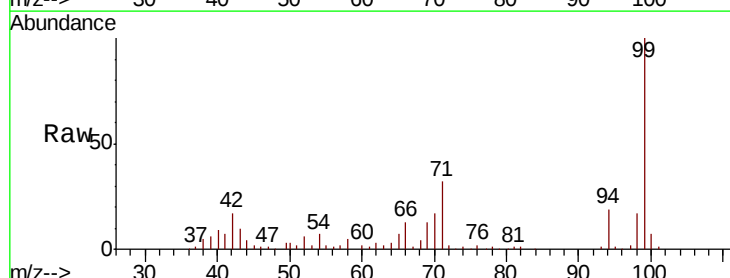
Delta R.T. -0.02 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Tgt Ion: 94 Resp: 24513

Ion	Ratio	Lower	Upper
94	100		
65	34.8	20.3	60.3
66	67.0	42.4	82.4

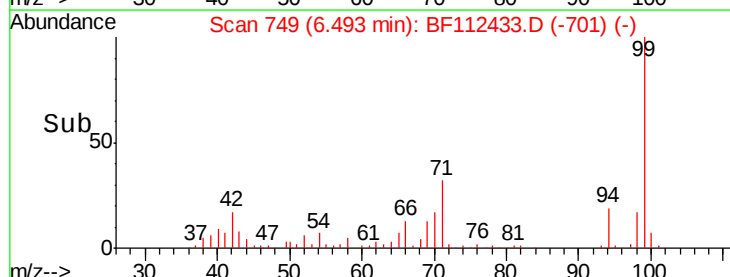


Abundance

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

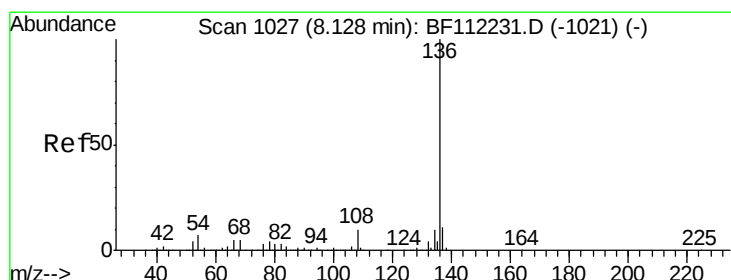
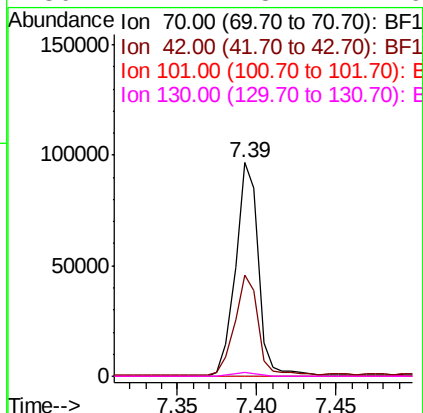
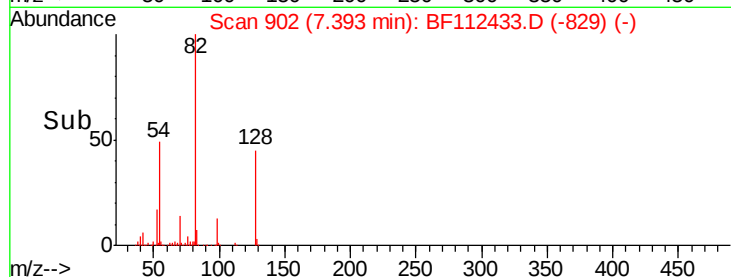
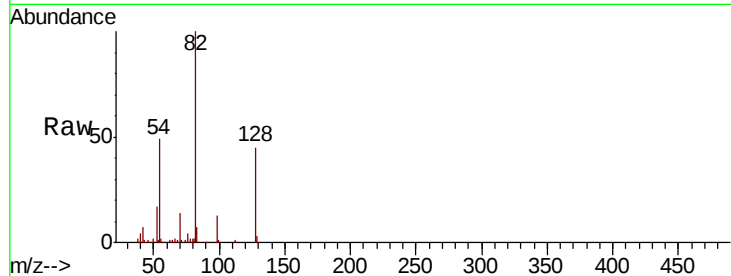




#19
n-Nitroso-di-n-propylamine
Concen: 14.969 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

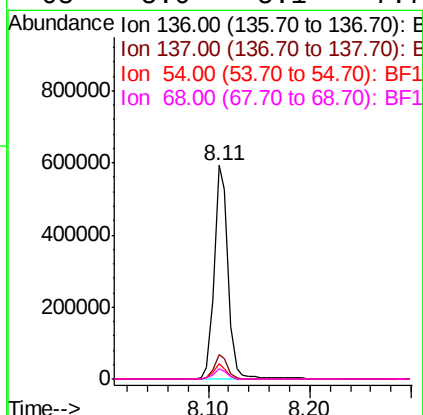
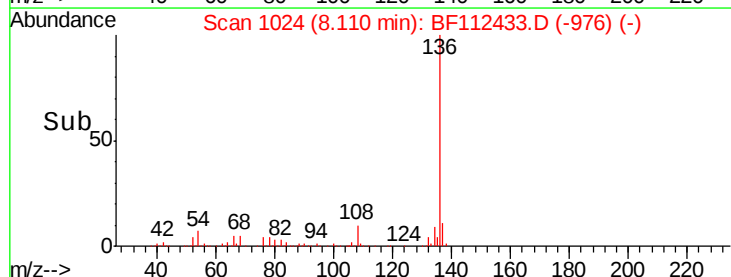
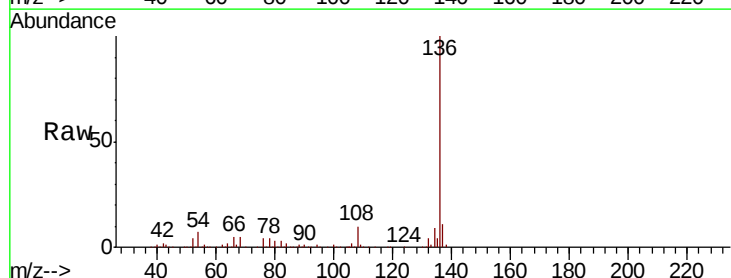
Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

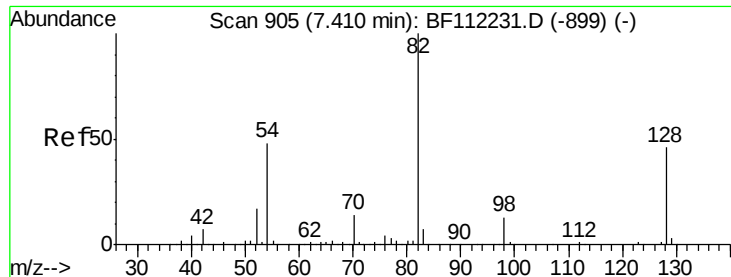
Tot Ion:	70	Resp:	97558
Ion	Ratio	Lower	Upper
70	100		
42	47.1	47.6	71.4#
101	0.0	7.9	11.9#
130	2.1	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion:	136	Resp:	568289
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.9	5.9	8.9
68	5.0	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 73.440 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Instrument :

BNA_F

ClientSampleId :

98-SB-01-2-4

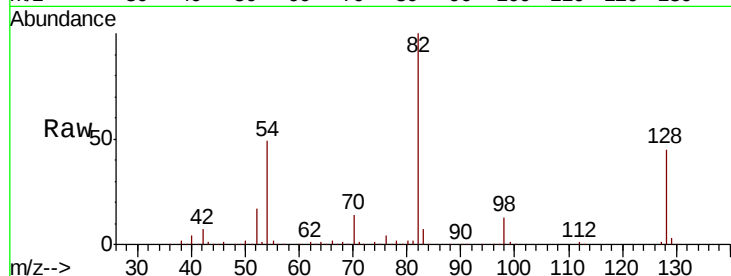
Tot Ion: 82 Resp: 724324

Ion Ratio Lower Upper

82 100

128 44.6 37.8 56.8

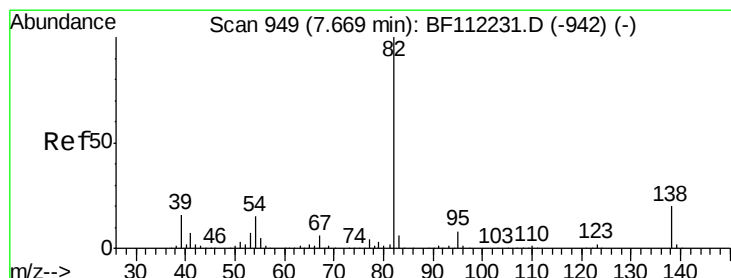
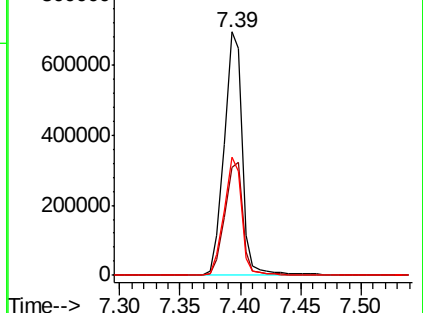
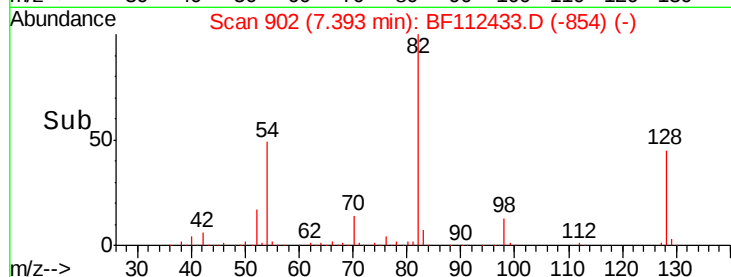
54 48.6 39.7 59.5



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: 46.813 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

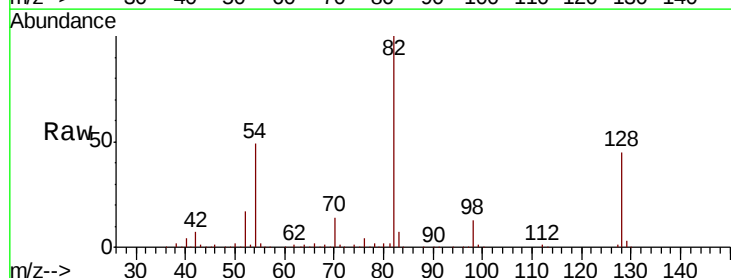
Tgt Ion: 82 Resp: 724315

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

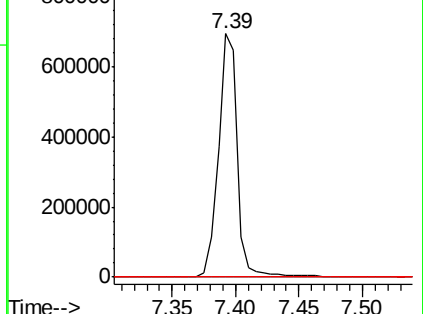
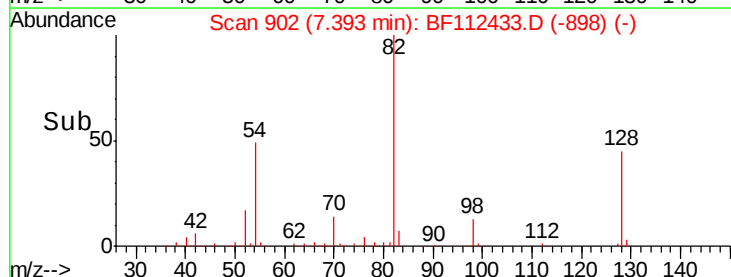
138 0.0 15.4 23.0#

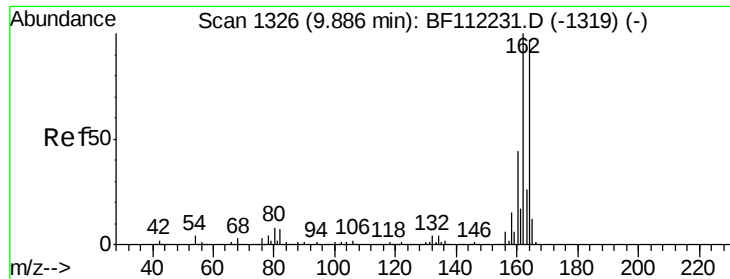


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

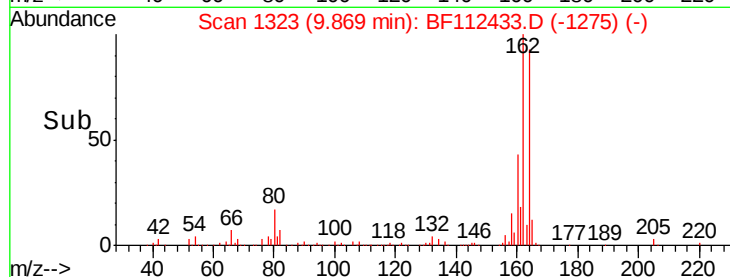
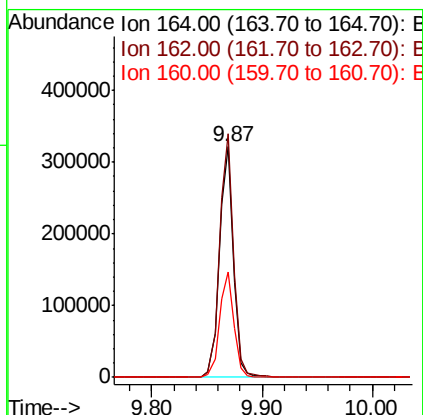
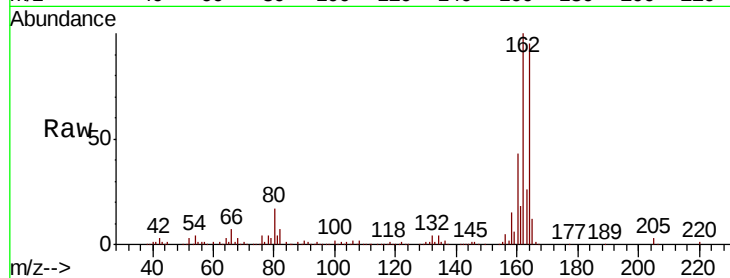




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

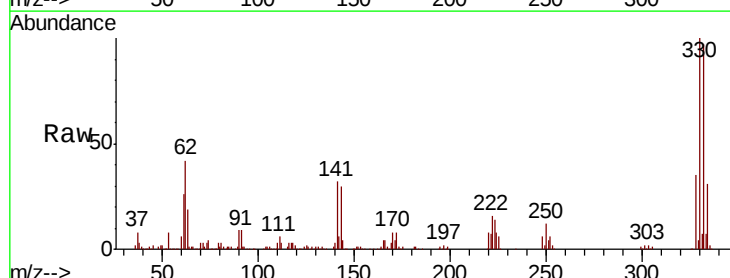
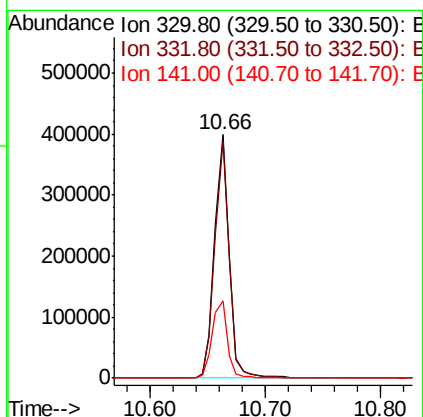
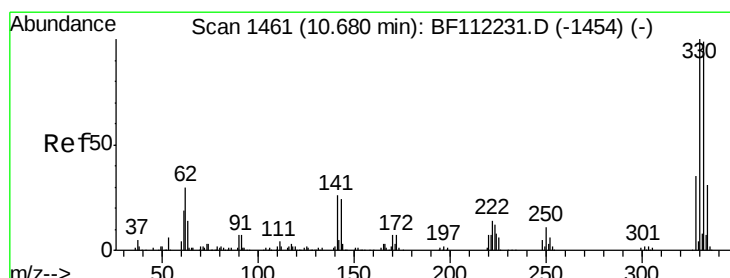
Instrument :
 BNA_F
 ClientSampleId :
 98-SB-01-2-4

Tot Ion:164 Resp: 282260
 Ion Ratio Lower Upper
 164 100
 162 105.8 82.2 123.4
 160 45.7 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 107.206 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

Tgt Ion:330 Resp: 352219
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 33.5 24.3 36.5

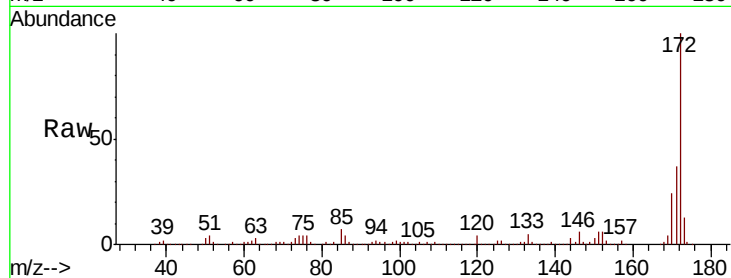




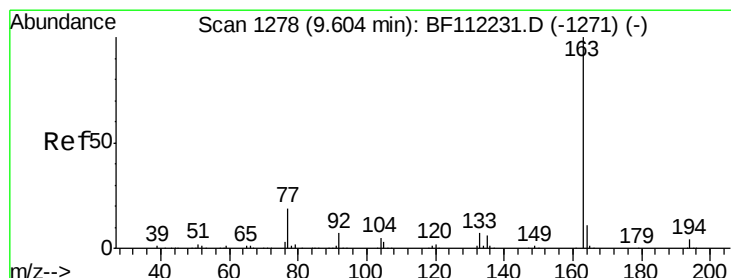
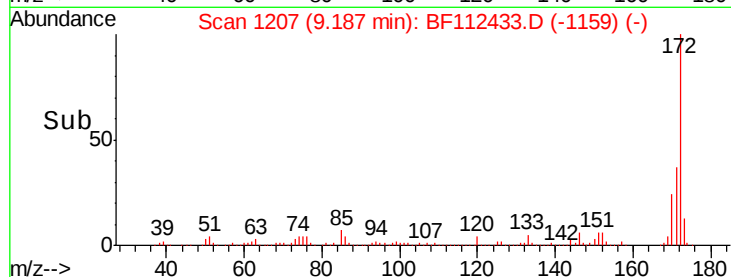
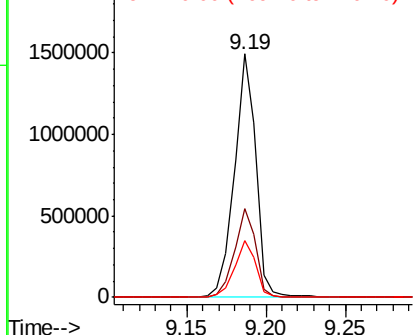
#45
2-Fluorobiphenyl
Concen: 70.298 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Tot Ion:172 Resp: 1402947
Ion Ratio Lower Upper
172 100
171 36.5 30.5 45.7
170 23.5 20.2 30.4

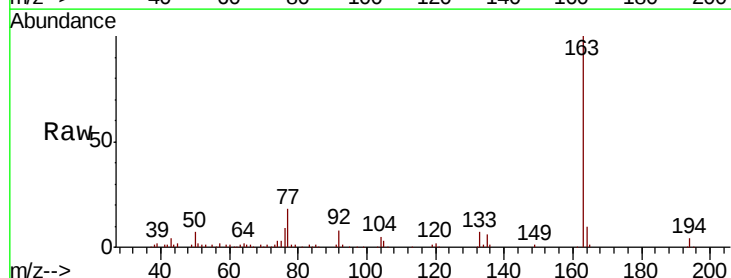


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

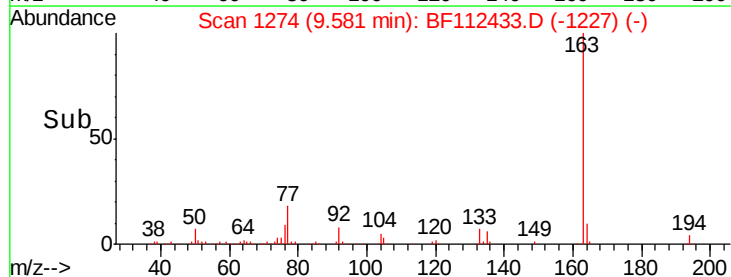
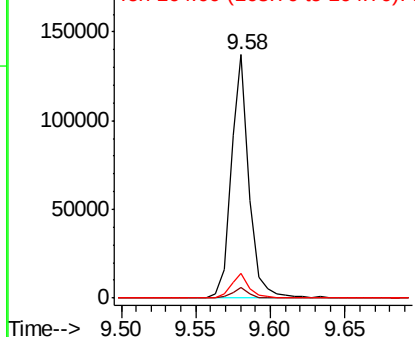


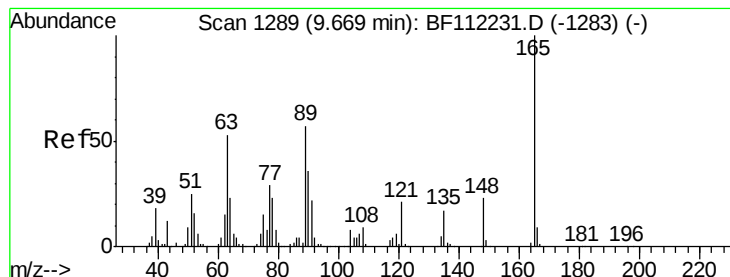
#50
Dimethylphthalate
Concen: 5.275 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion:163 Resp: 115683
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
150000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.379 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Instrument :

BNA_F

ClientSampleId :

98-SB-01-2-4

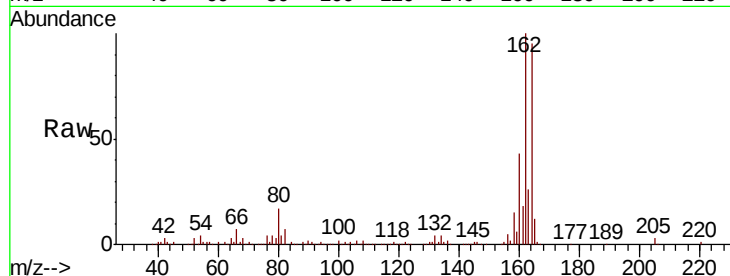
Tot Ion:165 Resp: 36240

Ion Ratio Lower Upper

165 100

63 1.5 33.8 50.8#

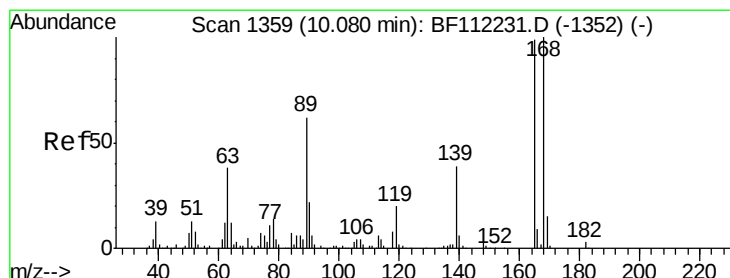
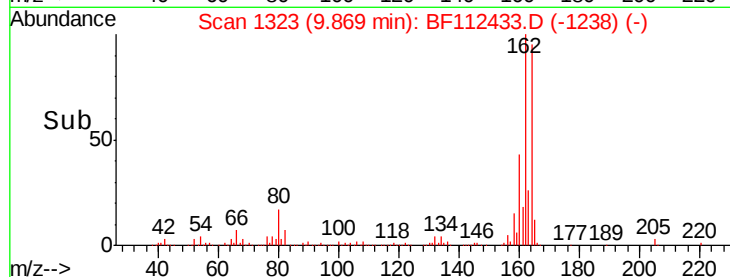
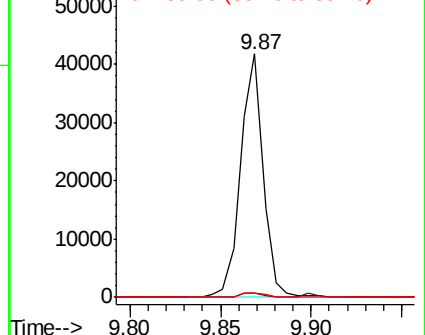
89 1.9 36.9 55.3#



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: 5.796 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Tgt Ion:165 Resp: 36240

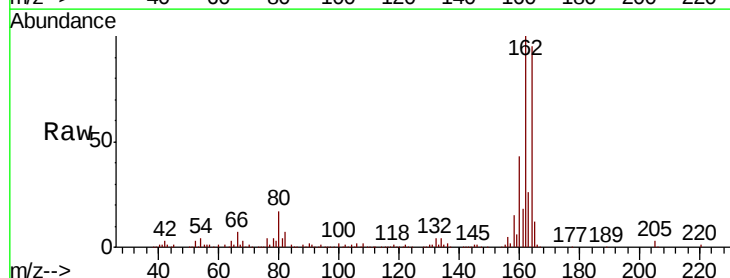
Ion Ratio Lower Upper

165 100

63 1.5 27.9 41.9#

89 1.9 47.9 71.9#

182 0.0 2.2 3.4#

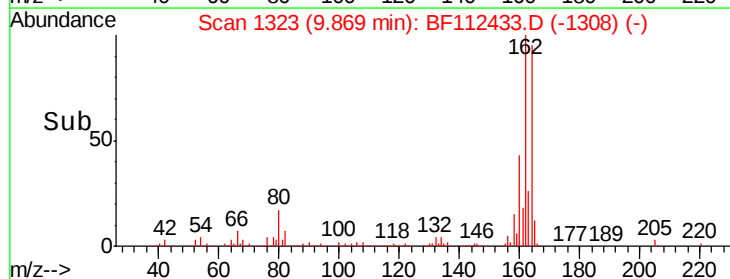
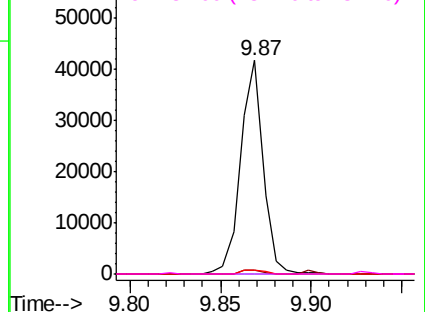


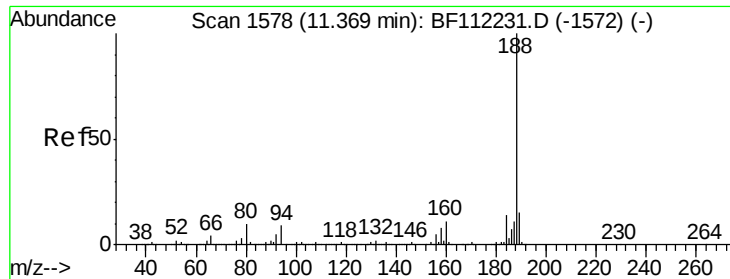
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Instrument :

BNA_F

ClientSampleId :

98-SB-01-2-4

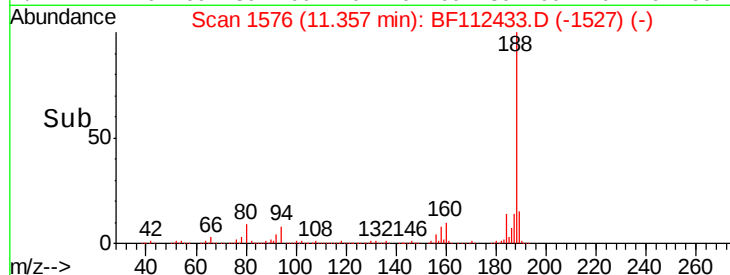
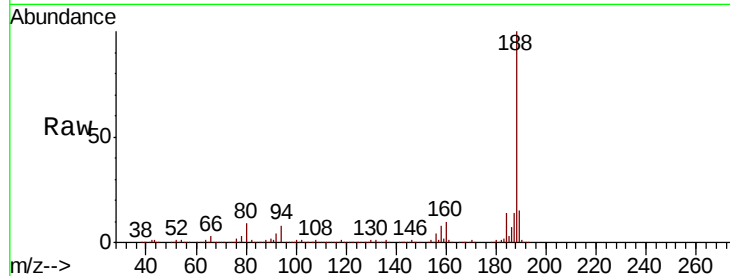
Tot Ion:188 Resp: 534872

Ion Ratio Lower Upper

188 100

94 7.8 8.2 12.2#

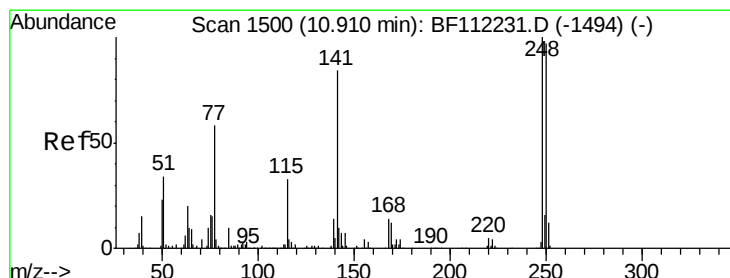
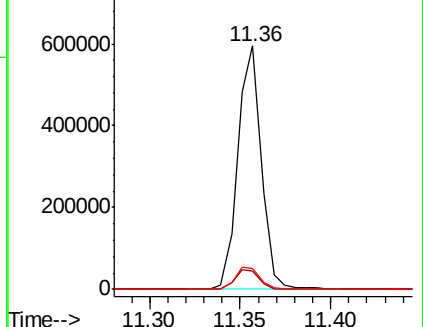
80 8.8 8.9 13.3#



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



#67

4-Bromophenyl-phenylether

Concen: 3.369 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

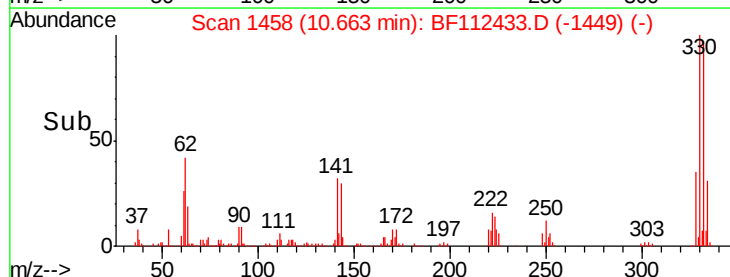
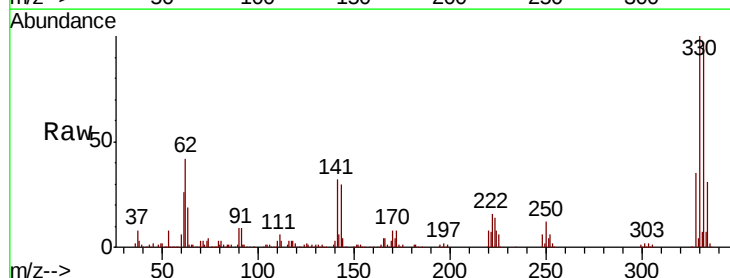
Tgt Ion:248 Resp: 21196

Ion Ratio Lower Upper

248 100

250 194.3 79.7 119.5#

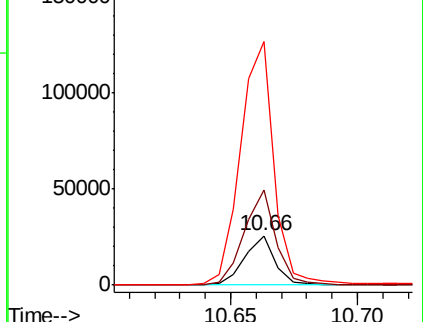
141 496.1 60.3 90.5#

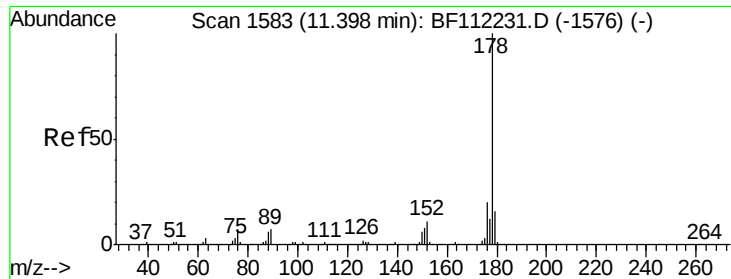


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

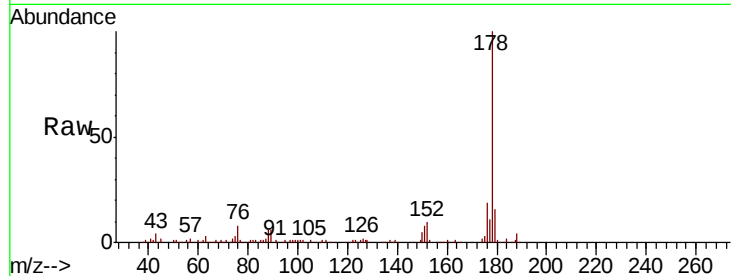




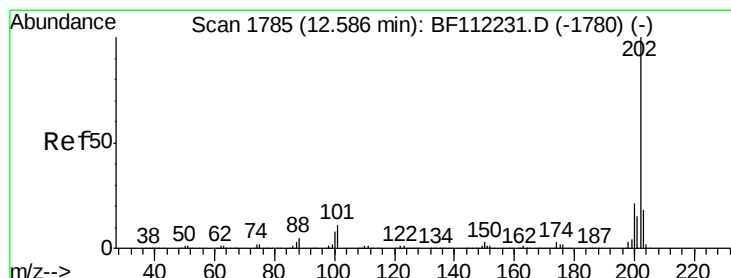
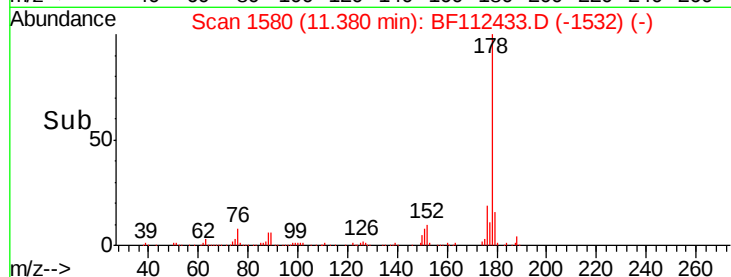
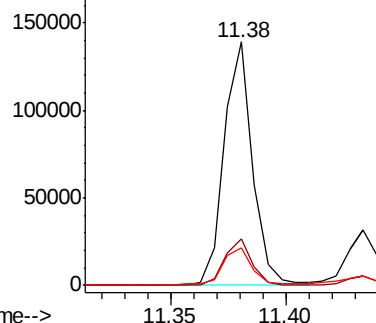
#71
Phenanthrene
Concen: 4.321 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.6	13.0	19.4

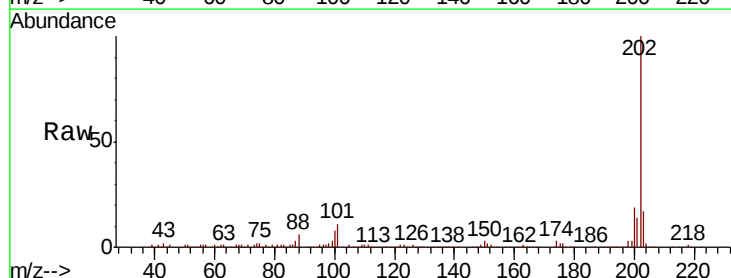


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

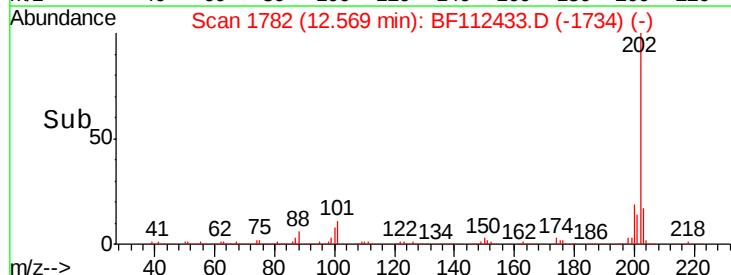
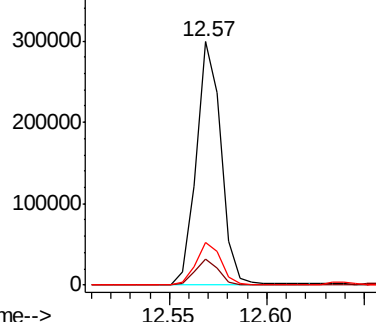


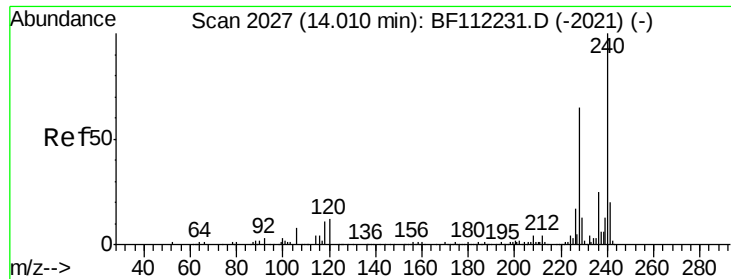
#75
Fluoranthene
Concen: 8.848 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.8
203	17.3	0.0	38.4



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

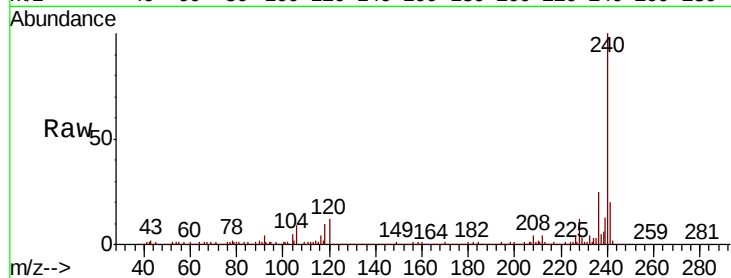




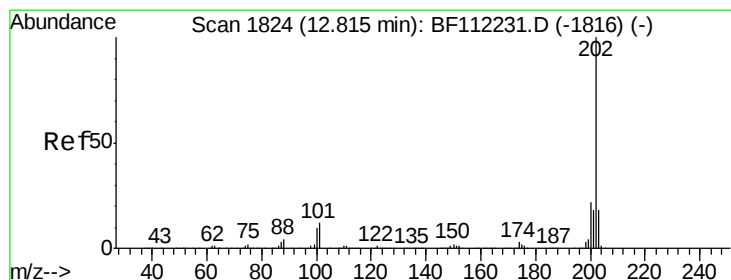
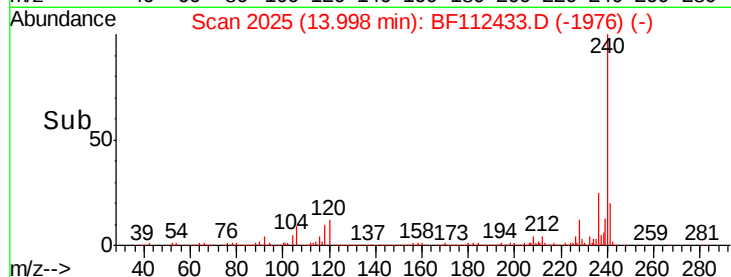
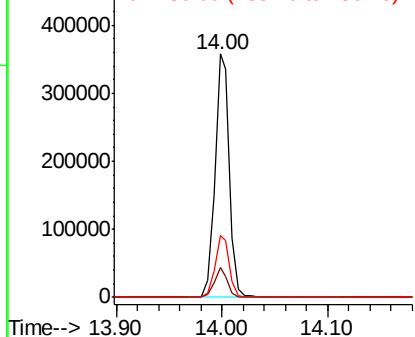
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Tot Ion:240 Resp: 346746
Ion Ratio Lower Upper
240 100
120 12.2 9.0 13.6
236 25.5 20.7 31.1

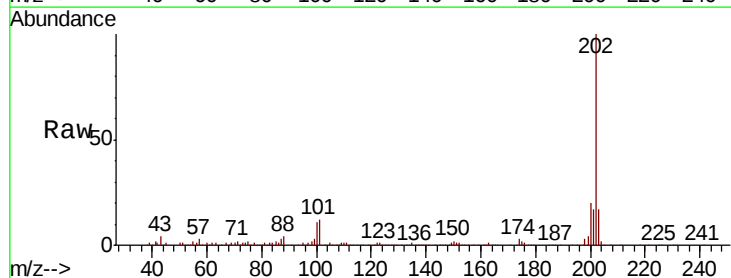


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

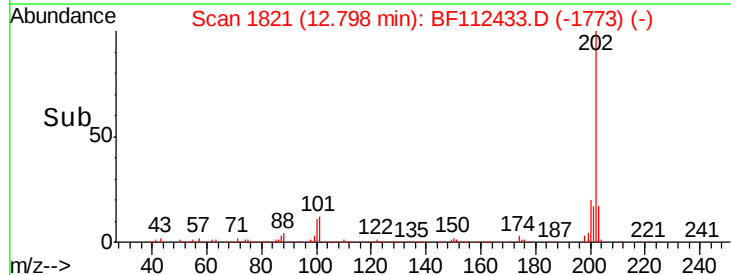
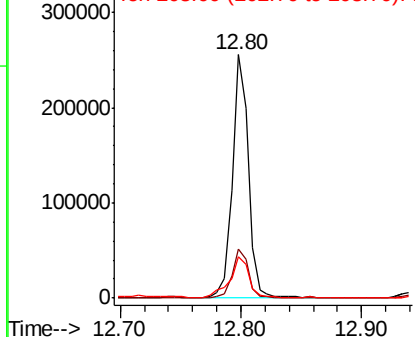


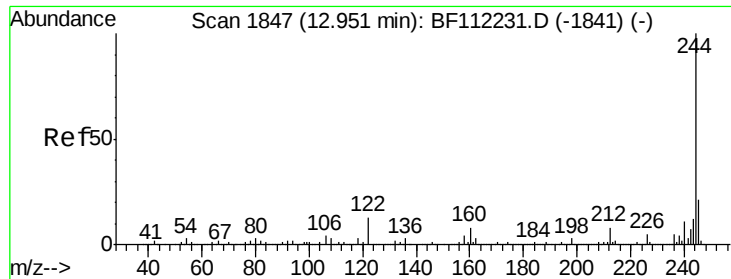
#78
Pyrene
Concen: 9.790 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion:202 Resp: 235025
Ion Ratio Lower Upper
202 100
200 20.1 17.7 26.5
203 16.8 14.6 22.0



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

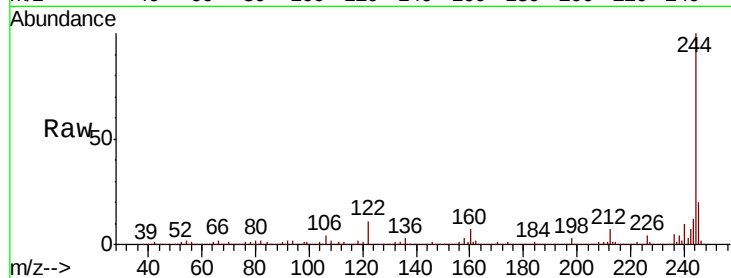




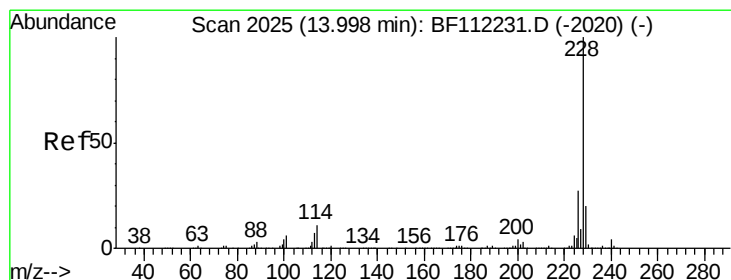
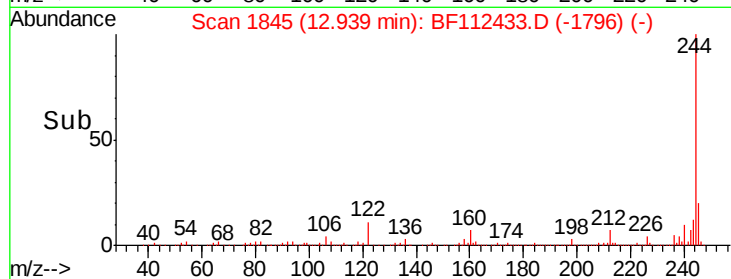
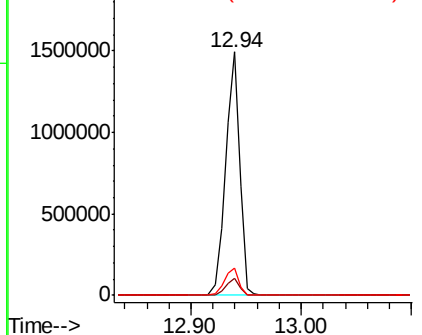
#79
 Terphenyl-d14
 Concen: 72.452 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

Instrument :
 BNA_F
 ClientSampleId :
 98-SB-01-2-4

Tot Ion:244 Resp: 1333858
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.3 9.8 14.6

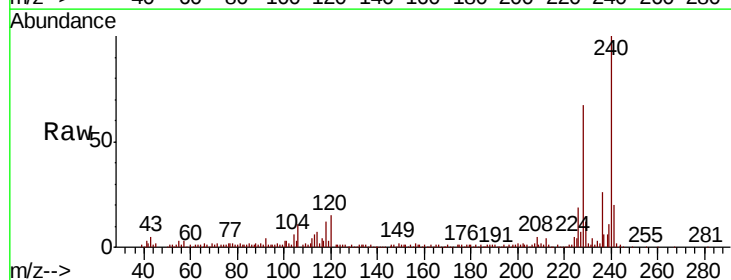


Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

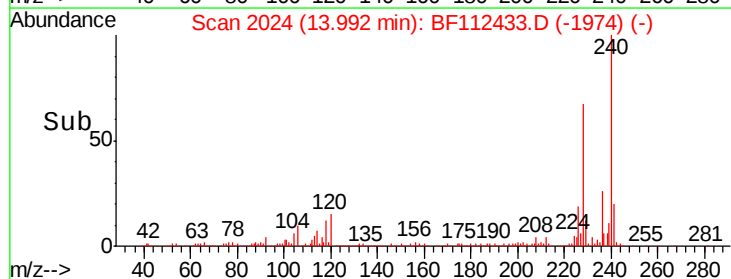
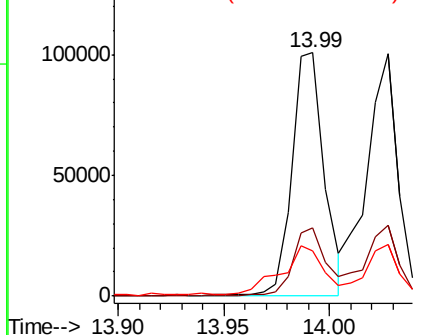


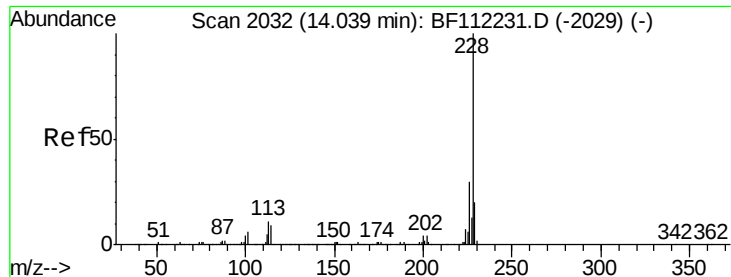
#81
 Benzo(a)anthracene
 Concen: 5.308 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

Tgt Ion:228 Resp: 108186
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.6 34.0
 229 18.5 16.5 24.7



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

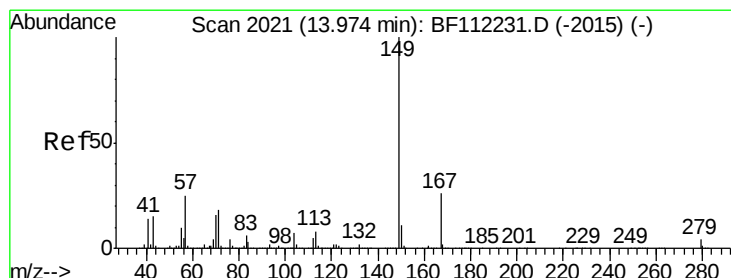
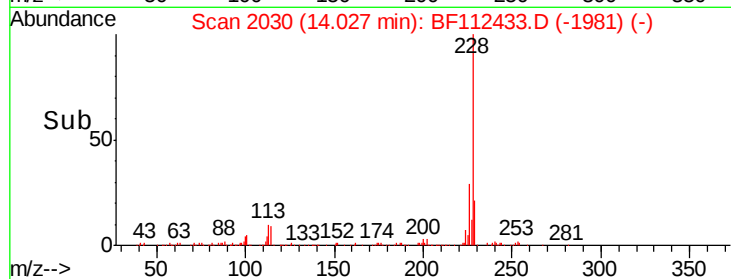
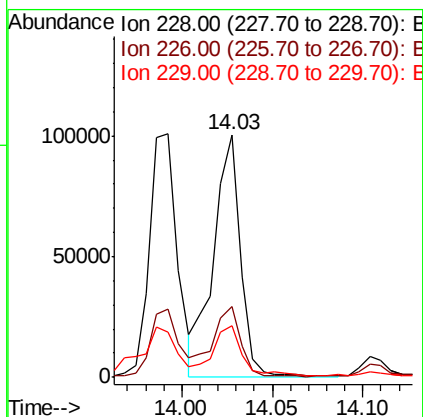
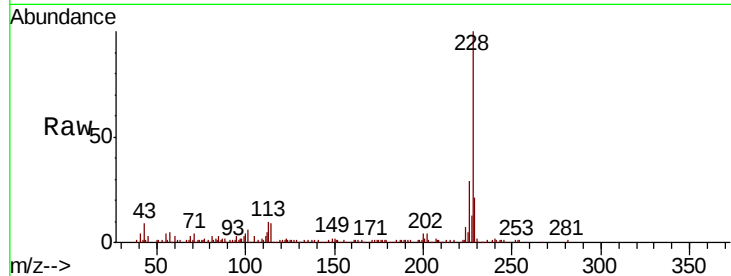




#83
 Chrvsene
 Concen: 5.370 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

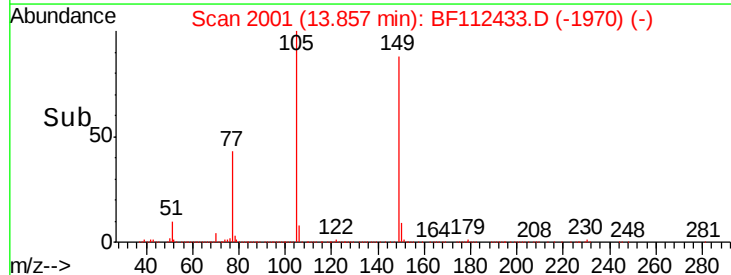
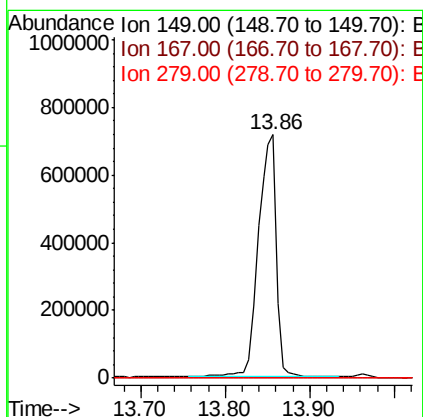
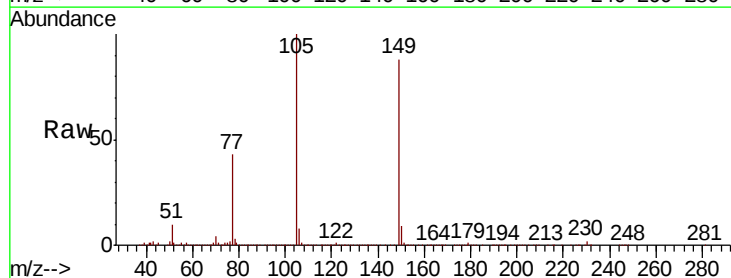
Instrument :
 BNA_F
 ClientSampleId :
 98-SB-01-2-4

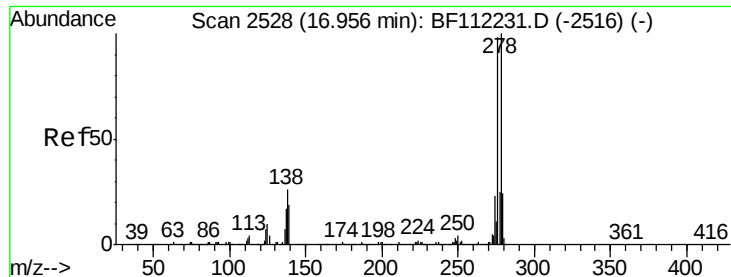
Tot Ion:228 Resp: 104482
 Ion Ratio Lower Upper
 228 100
 226 28.9 25.0 37.6
 229 21.5 16.6 24.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 65.569 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.12 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

Tgt Ion:149 Resp: 1081044
 Ion Ratio Lower Upper
 149 100
 167 0.1 22.5 33.7#
 279 0.0 3.8 5.6#

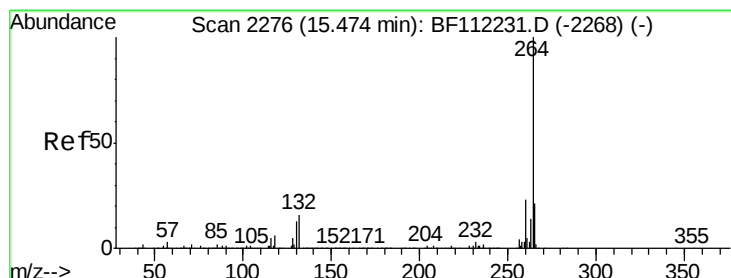
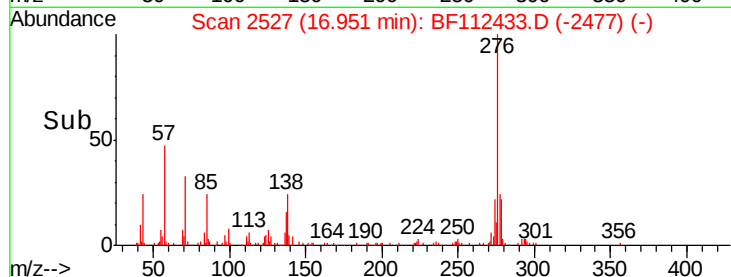
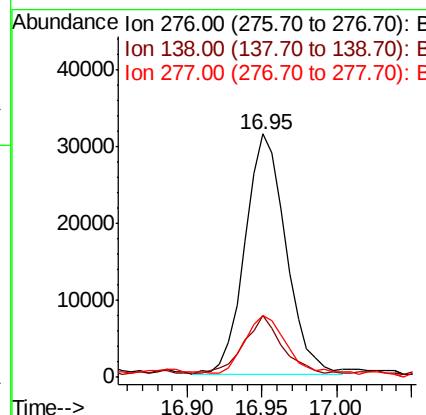
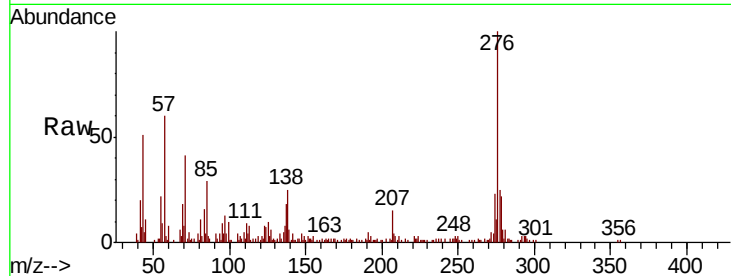




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.843 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

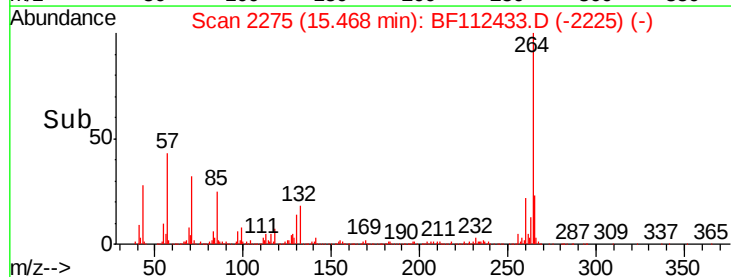
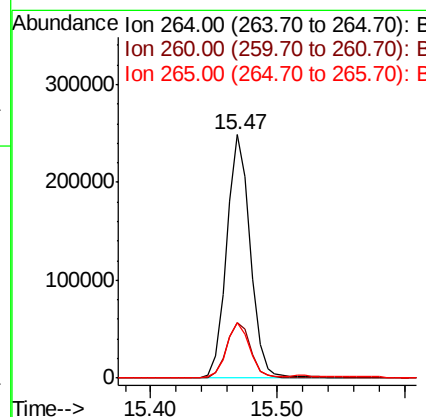
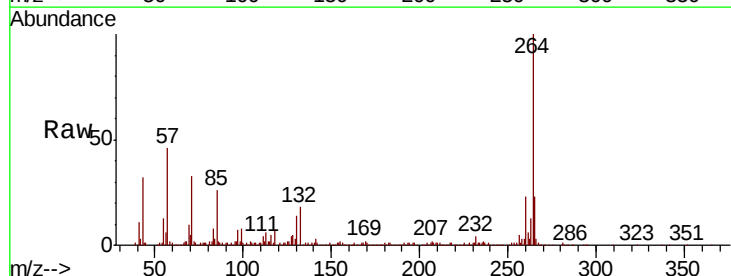
Instrument :
 BNA_F
 ClientSampleId :
 98-SB-01-2-4

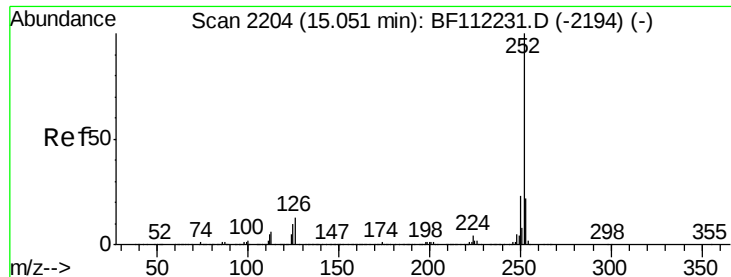
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	22.6	34.0
277	25.4	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.2
265	22.8	17.0	25.4

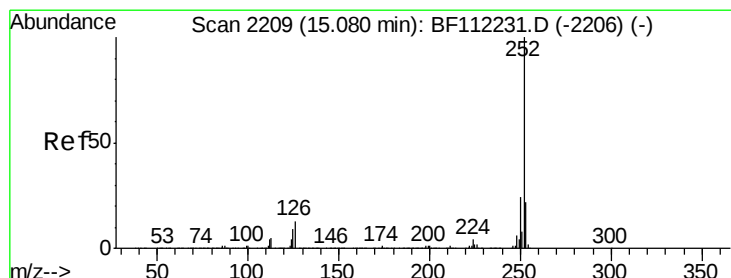
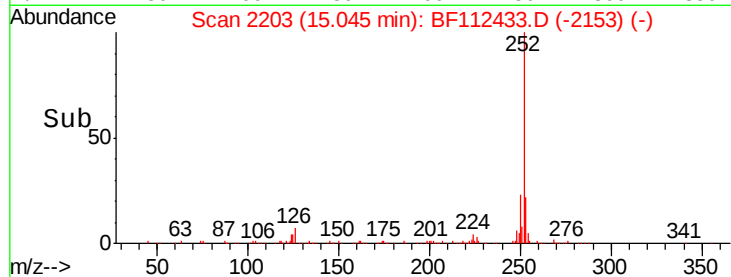
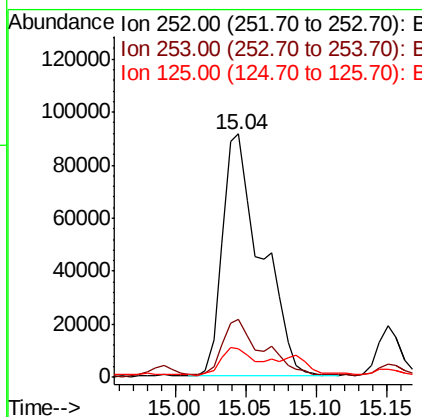
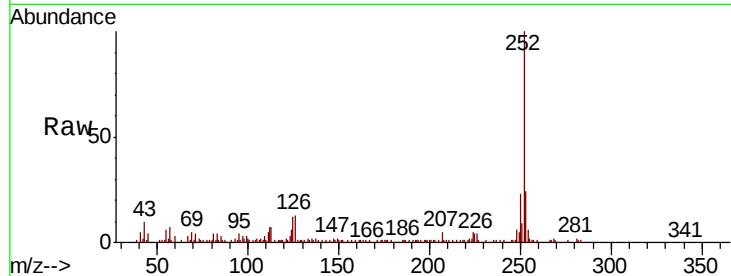




#88
Benzo(b)fluoranthene
Concen: 9.120 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

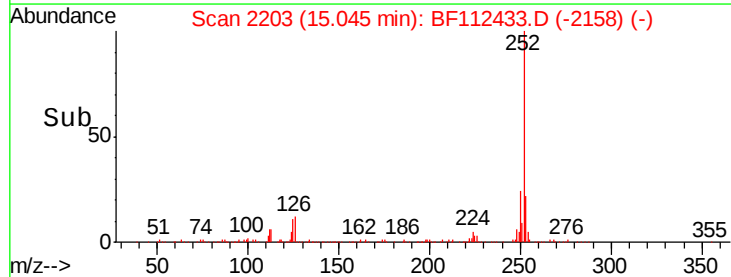
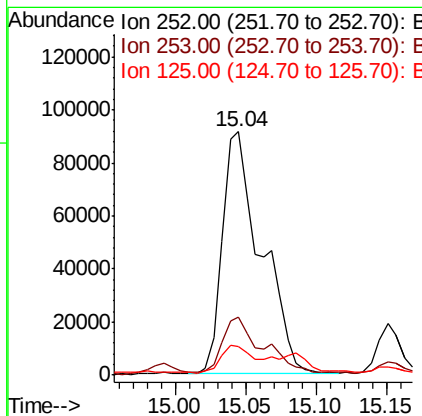
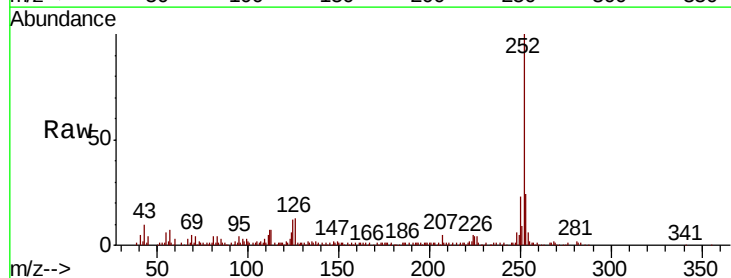
Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

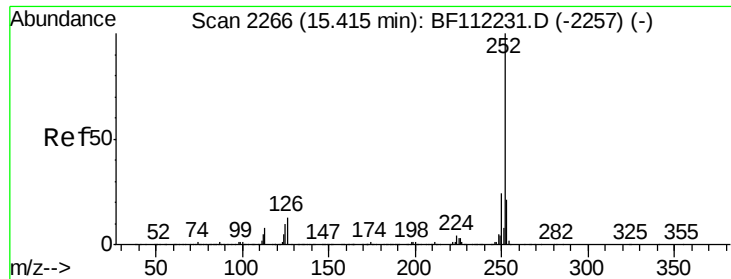
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	12.0	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 9.521 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	12.0	9.1	13.7

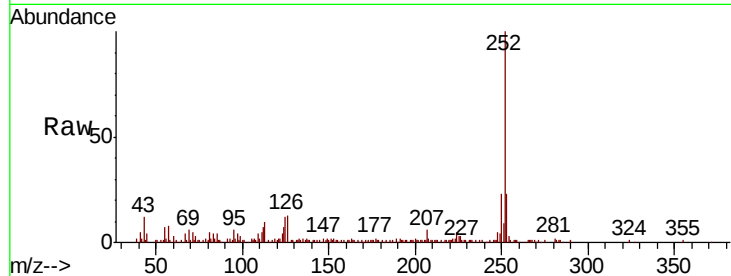




#90
Benzo(a)pyrene
Concen: 5.216 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.6	9.0	13.4

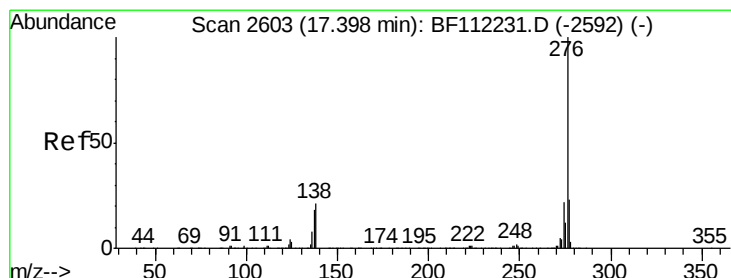
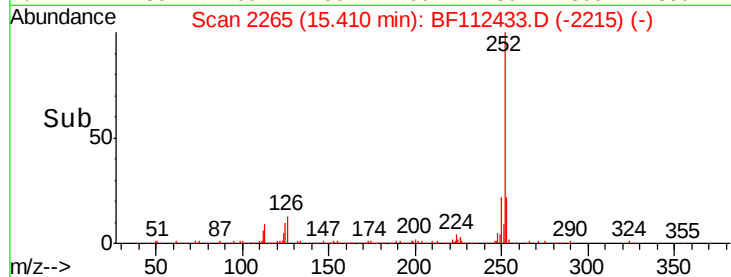
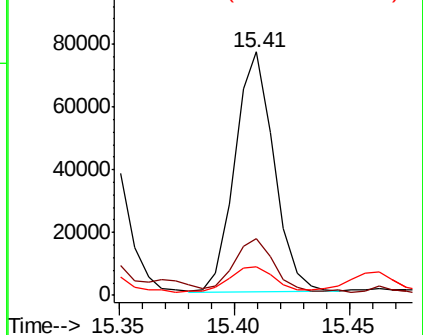


Abundance

Ion 252.00 (251.70 to 252.70): E

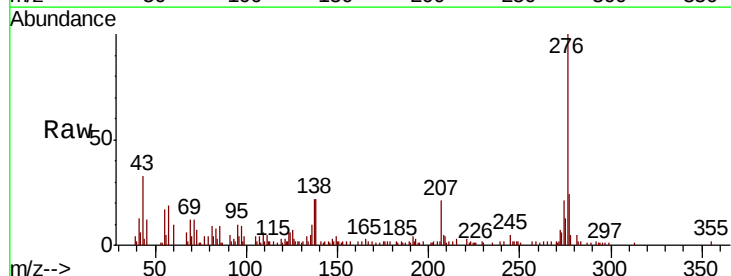
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.408 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.00 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	22.4	19.1	28.7



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

