

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112438.D
 Acq On : 7 Feb 2019 15:18
 Operator : JU/SJ
 Sample : K1389-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-5S

Quant Time: Feb 09 03:12:48 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

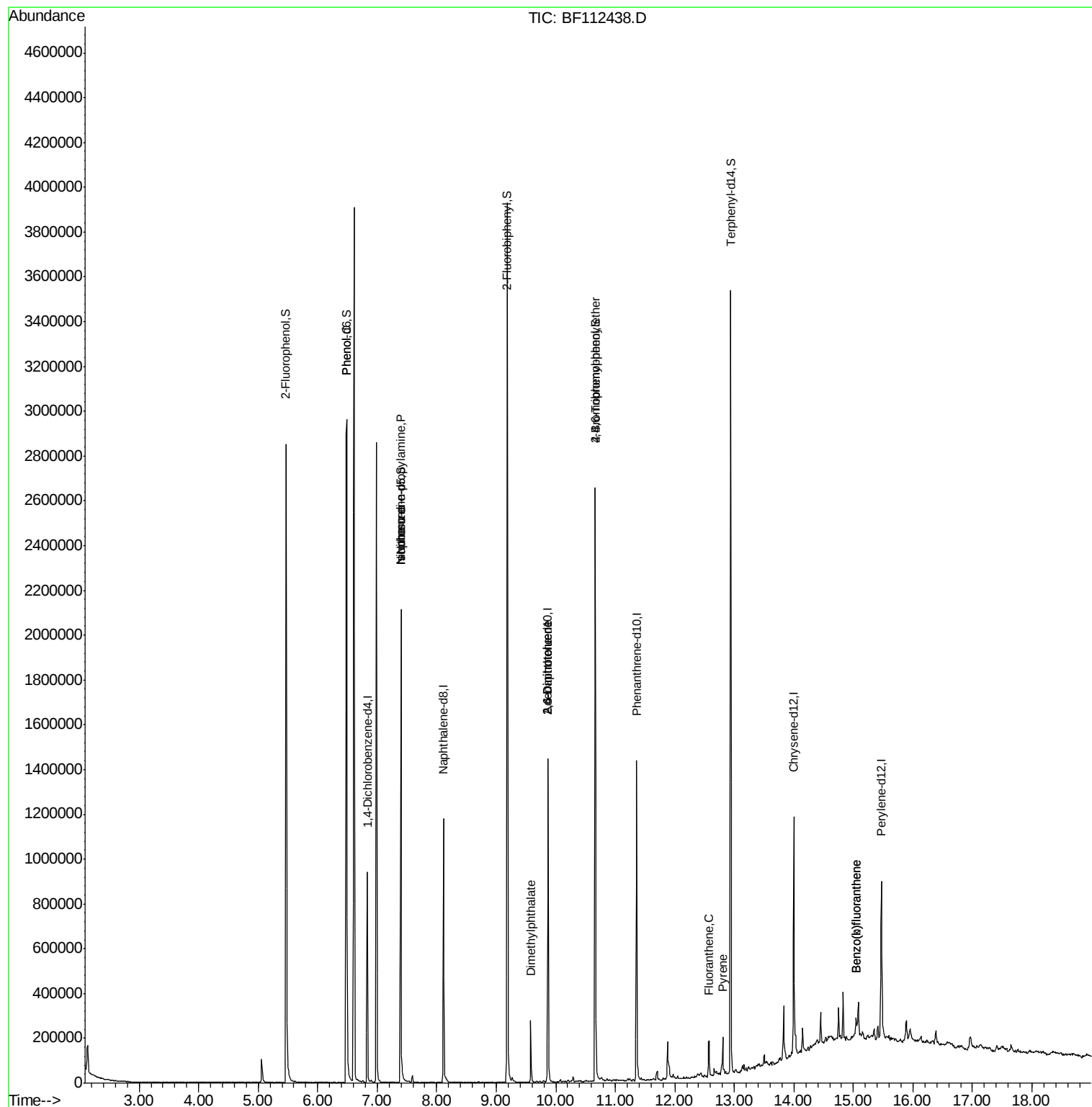
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	155076	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	605507	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	286626	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	503884	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	356957	20.00	ng	-0.01
87) Perylene-d12	15.47	264	324140	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	921660	126.24	ng	0.00
7) Phenol-d6	6.49	99	1161959	114.54	ng	0.00
23) Nitrobenzene-d5	7.40	82	726782	69.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	333013	99.82	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1324429	65.35	ng	-0.02
79) Terphenyl-d14	12.94	244	1141143	60.21	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	23365	2.099	ng	# 84
19) n-Nitroso-di-n-propylamine	7.40	70	98829	14.128	ng	# 74
25) Isophorone	7.40	82	726778	44.085	ng	# 63
50) Dimethylphthalate	9.58	163	120754	5.422	ng	# 98
51) 2,6-Dinitrotoluene	9.87	165	35711	7.160	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	35711	5.624	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	19074	3.218	ng	# 1
75) Fluoranthene	12.57	202	65807	2.342	ng	# 98
78) Pyrene	12.80	202	61324	2.481	ng	# 97
88) Benzo(b)fluoranthene	15.04	252	56584	2.919	ng	# 90
89) Benzo(k)fluoranthene	15.04	252	56584	3.047	ng	# 90

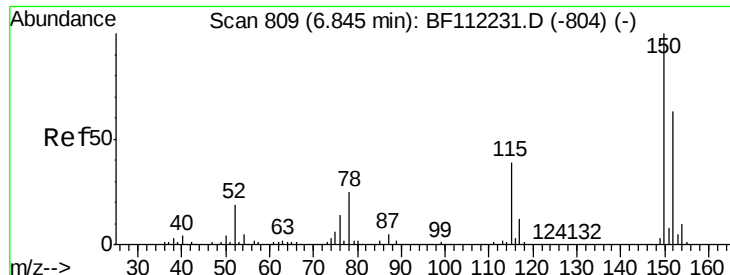
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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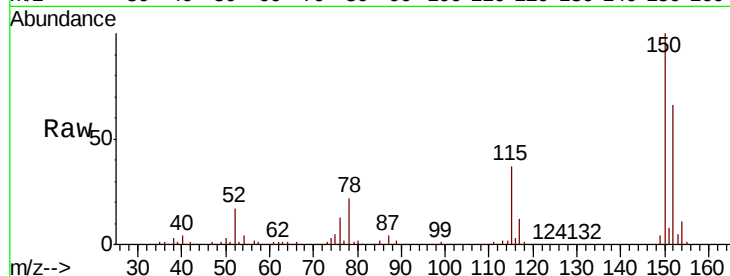


#1

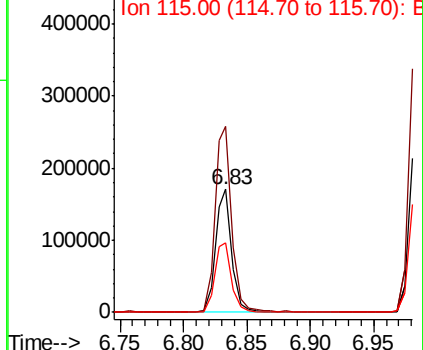
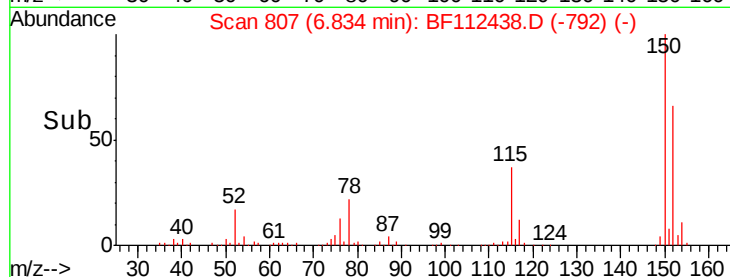
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

Instrument :
BNA_F
ClientSampleId :
M-5S

Tot Ion:152 Resp: 155076
Ion Ratio Lower Upper
152 100
150 151.9 127.4 191.0
115 56.5 45.5 68.3



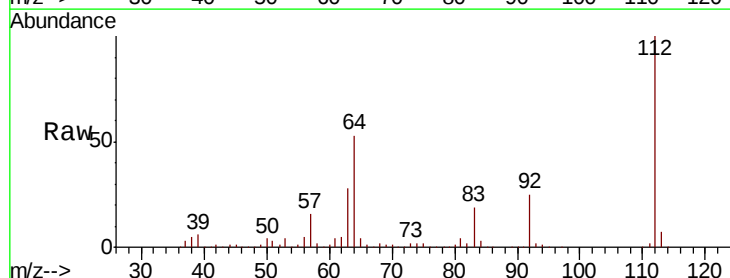
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



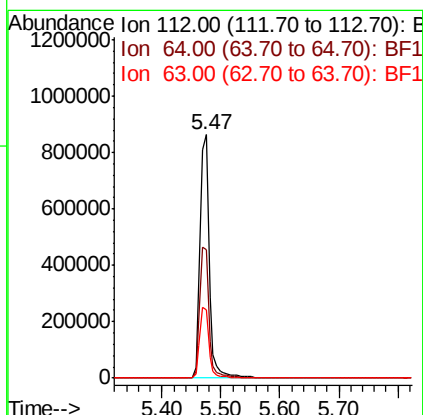
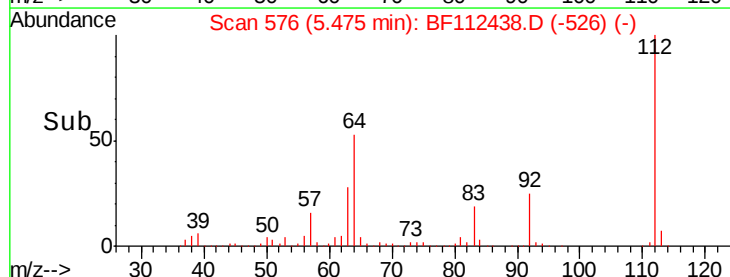
#5

2-Fluorophenol
Concen: 126.239 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

Tgt Ion:112 Resp: 921660
Ion Ratio Lower Upper
112 100
64 52.5 45.7 68.5
63 28.2 23.6 35.4



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: 114.535 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112438.D

Acq: 7 Feb 2019 15:18

Instrument :

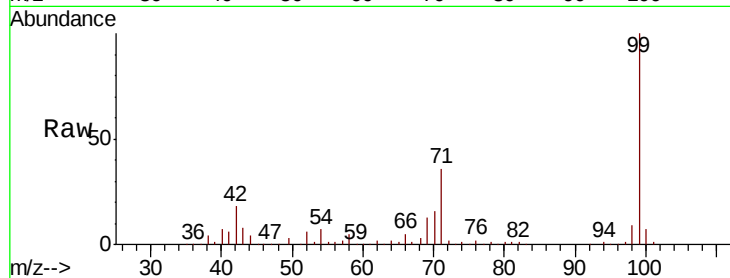
BNA_F

ClientSampleId :

M-5S

Tot Ion: 99 Resp: 1161959

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.1	22.7
71	35.6	26.9	40.3

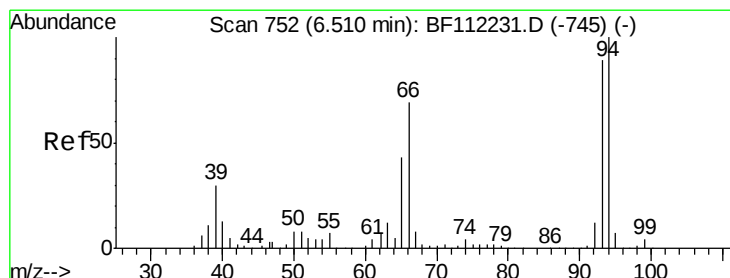
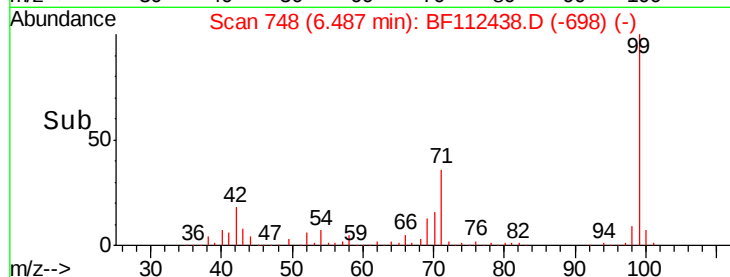


Abundance

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: 2.099 ng

RT: 6.49 min Scan# 749

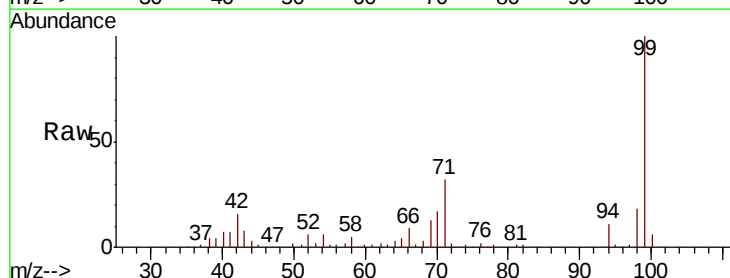
Delta R.T. -0.02 min

Lab File: BF112438.D

Acq: 7 Feb 2019 15:18

Tgt Ion: 94 Resp: 23365

Ion	Ratio	Lower	Upper
94	100		
65	40.0	20.3	60.3
66	83.0	42.4	82.4#

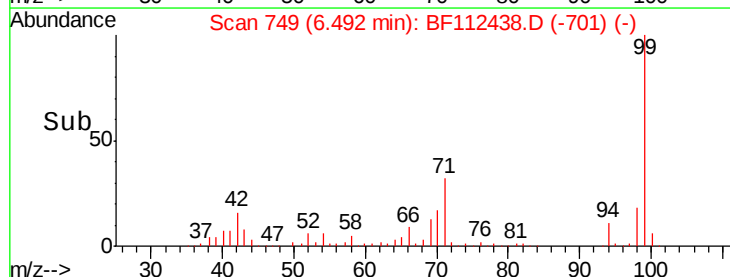


Abundance

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

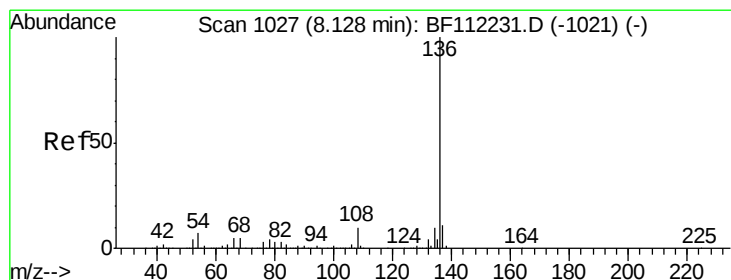
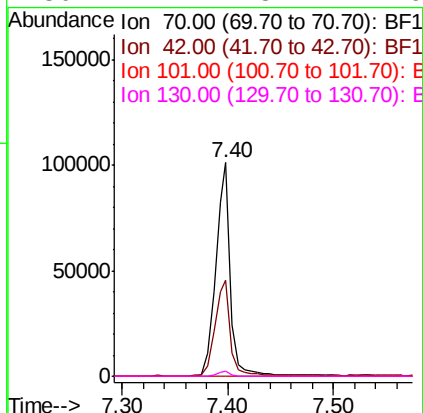
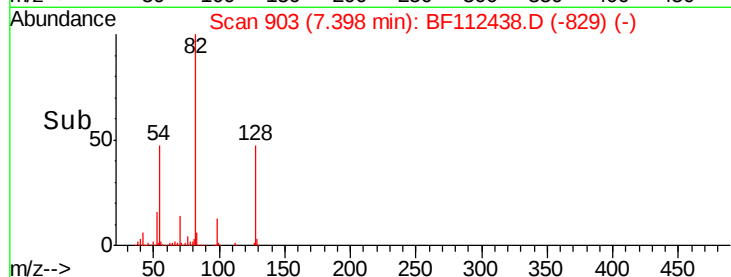
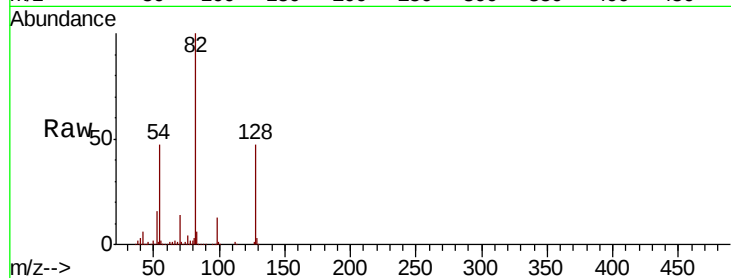




#19
n-Nitroso-di-n-propylamine
Concen: 14.128 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

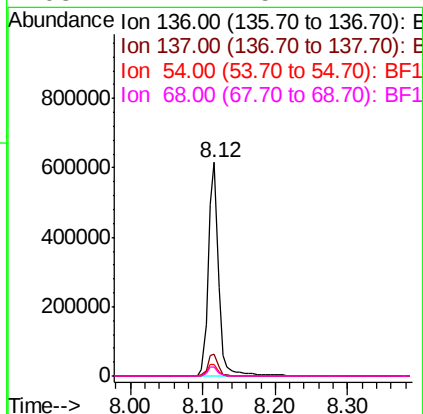
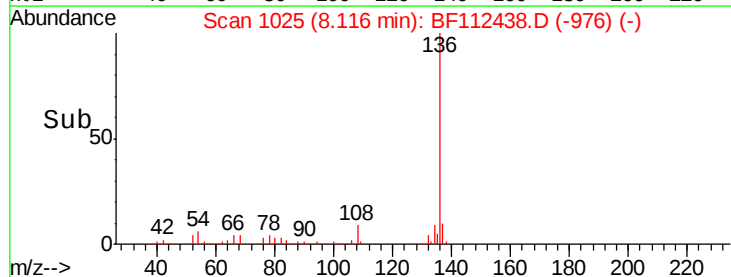
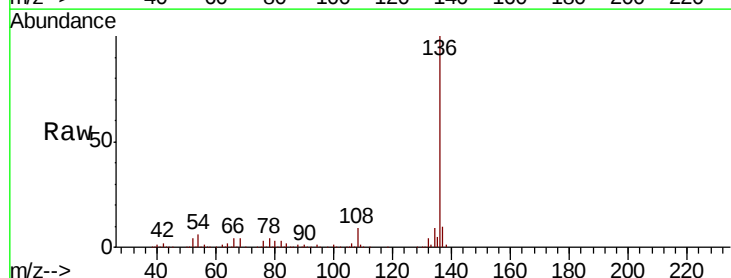
Instrument :
BNA_F
ClientSampleId :
M-5S

Tot Ion: 70 Resp: 98829
Ion Ratio Lower Upper
70 100
42 45.1 47.6 71.4#
101 0.0 7.9 11.9#
130 2.2 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

Tgt Ion: 136 Resp: 605507
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 5.7 5.9 8.9#
68 4.4 5.1 7.7#

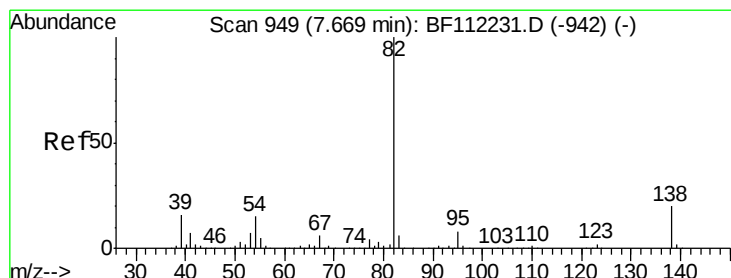
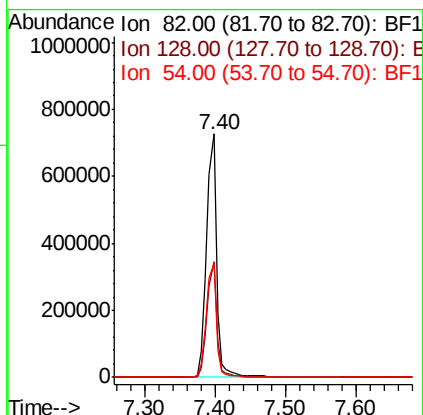
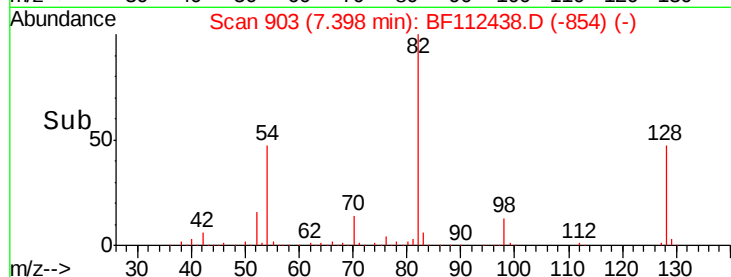
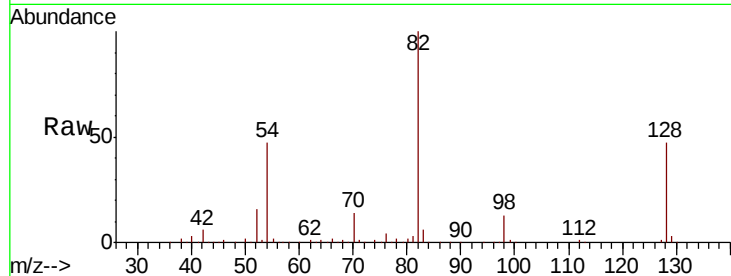




#23
Nitrobenzene-d5
Concen: 69.160 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

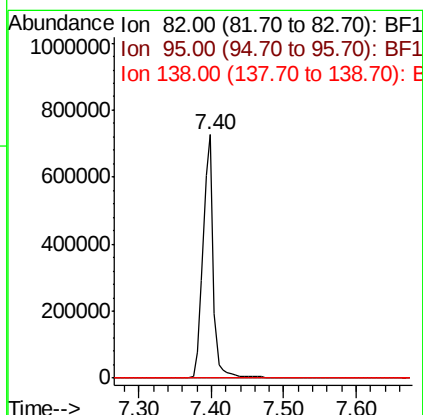
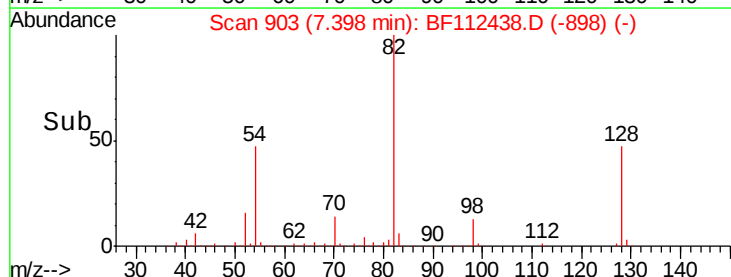
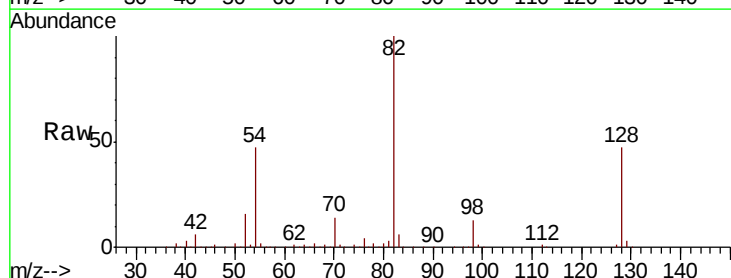
Instrument :
BNA_F
ClientSampled :
M-5S

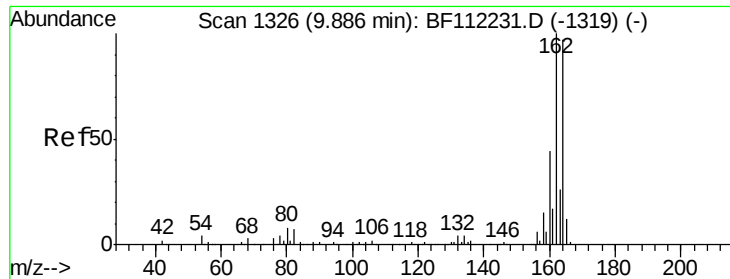
Tot Ion	82	Resp	726782
Ion Ratio	100	Lower	Upper
128	47.5	37.8	56.8
54	46.8	39.7	59.5



#25
Isophorone
Concen: 44.085 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

Tgt Ion	82	Resp	726778
Ion Ratio	100	Lower	Upper
95	0.0	5.7	8.5#
138	0.0	15.4	23.0#

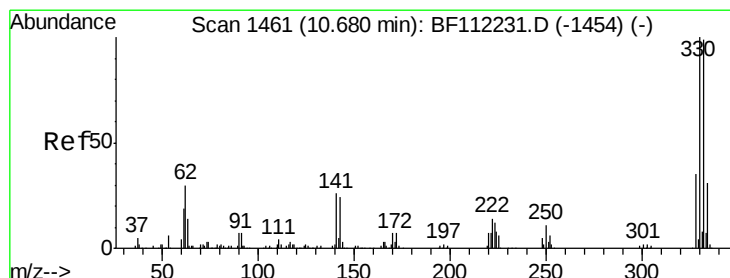
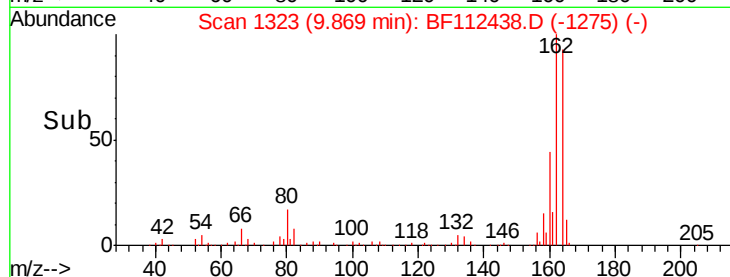
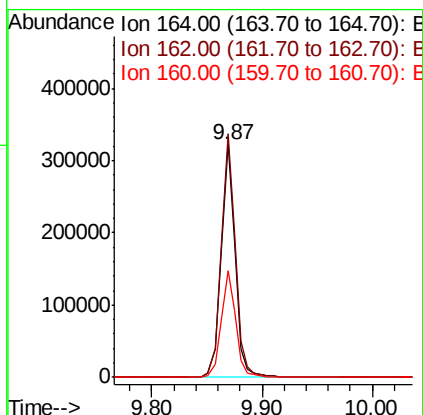
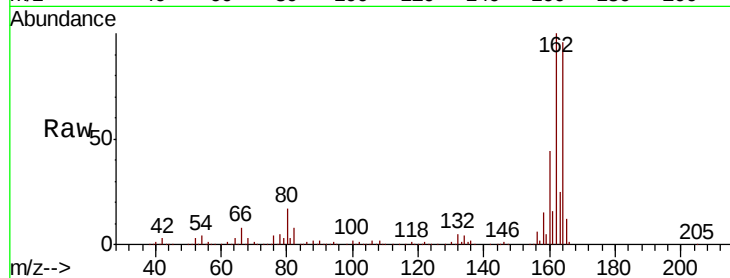




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112438.D
 Acq: 7 Feb 2019 15:18

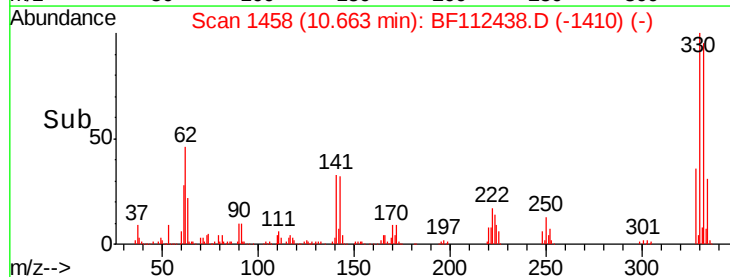
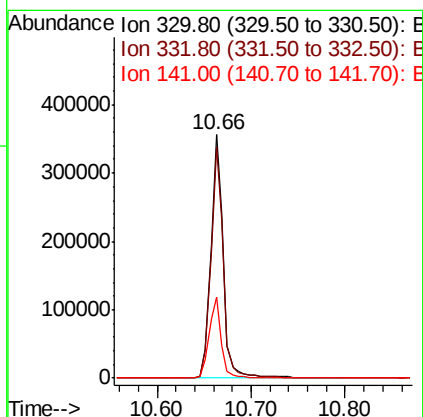
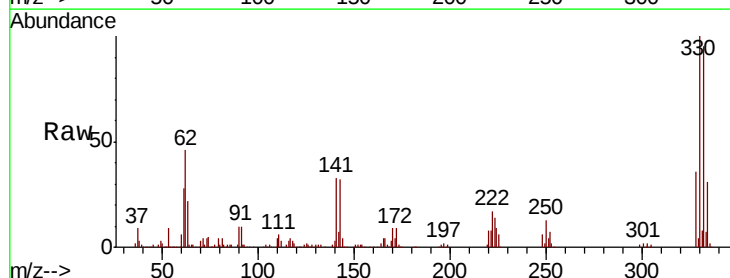
Instrument :
 BNA_F
 ClientSampleId :
 M-5S

Tot Ion:164 Resp: 286626
 Ion Ratio Lower Upper
 164 100
 162 104.5 82.2 123.4
 160 46.1 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 99.817 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112438.D
 Acq: 7 Feb 2019 15:18

Tgt Ion:330 Resp: 333013
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 114.8
 141 32.8 24.3 36.5

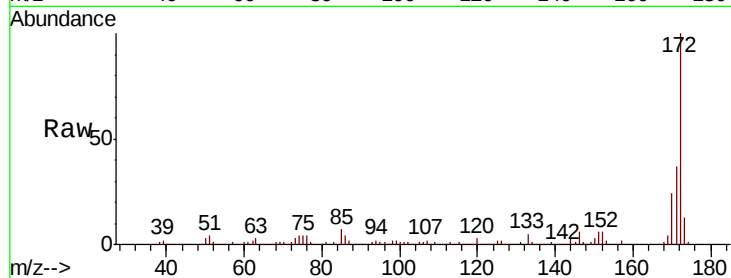




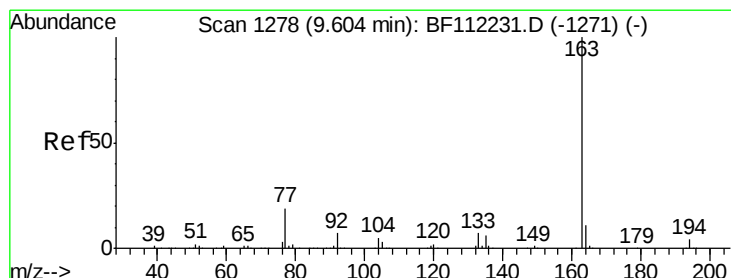
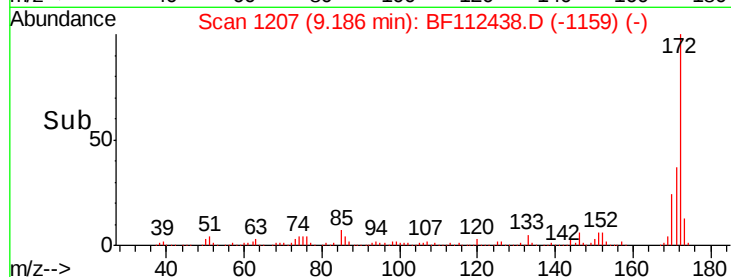
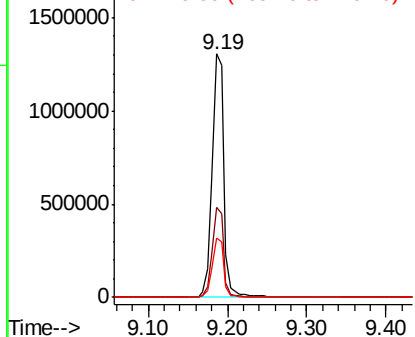
#45
2-Fluorobiphenyl
Concen: 65.353 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

Instrument :
BNA_F
ClientSampleId :
M-5S

Tot Ion:172 Resp: 1324429
Ion Ratio Lower Upper
172 100
171 36.8 30.5 45.7
170 24.2 20.2 30.4

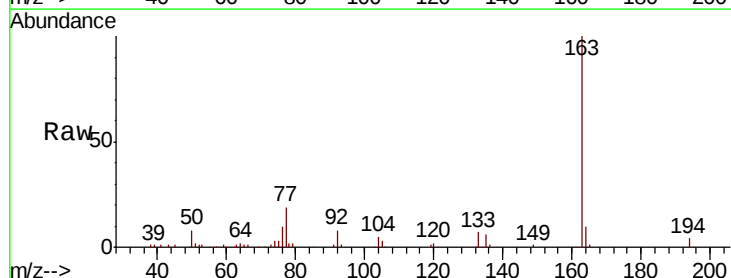


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

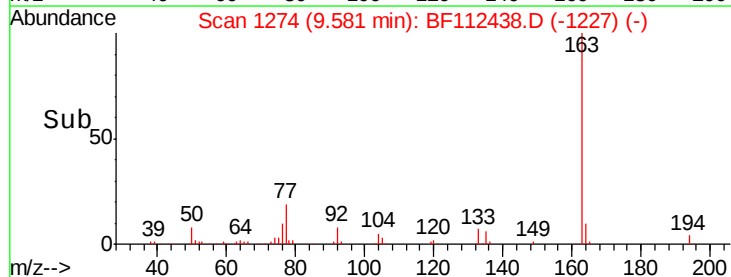
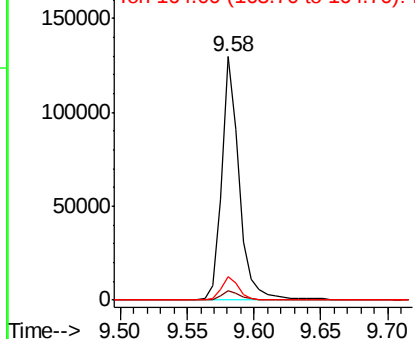


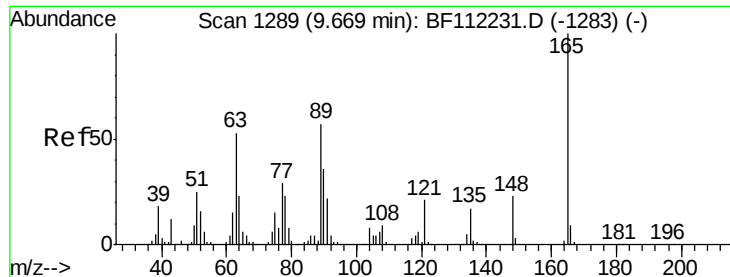
#50
Dimethylphthalate
Concen: 5.422 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

Tgt Ion:163 Resp: 120754
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.6 8.5 12.7



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

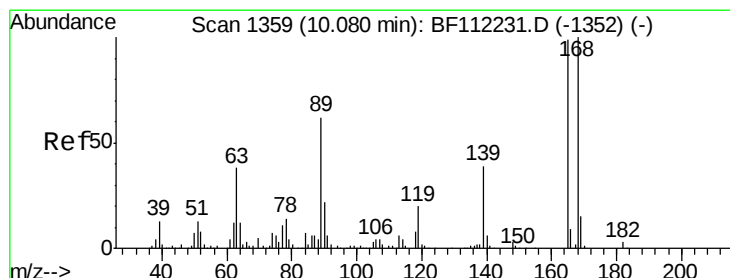
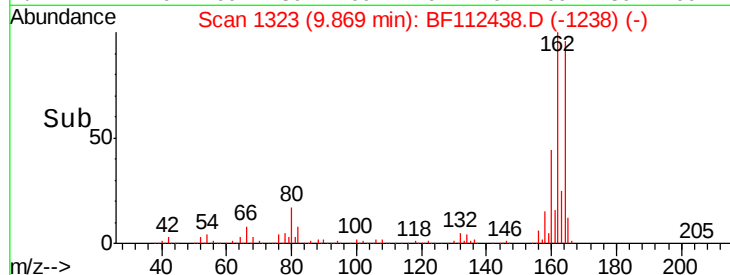
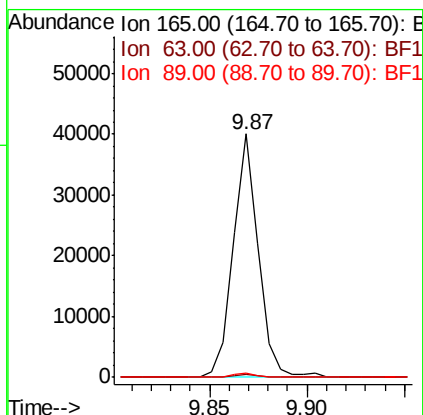
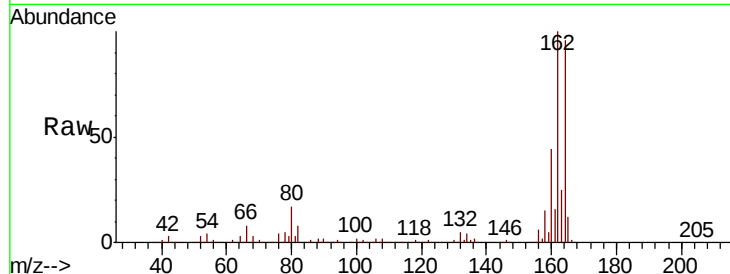




#51
 2,6-Dinitrotoluene
 Concen: 7.160 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112438.D
 Acq: 7 Feb 2019 15:18

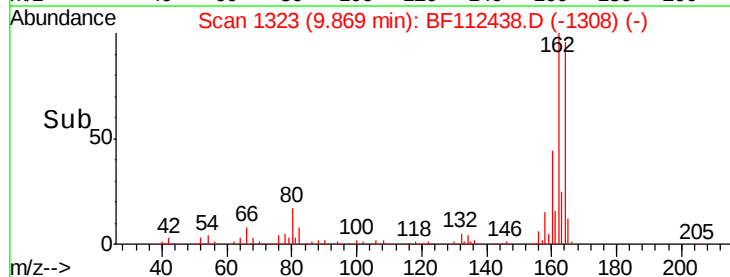
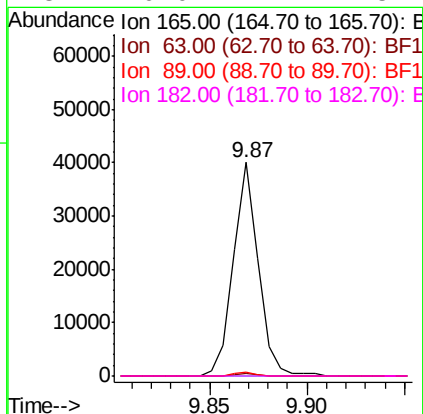
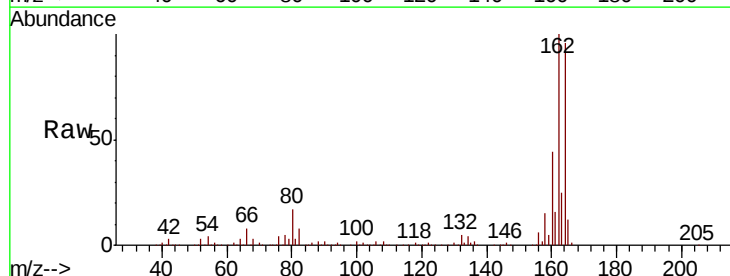
Instrument :
 BNA_F
 ClientSampled :
 M-5S

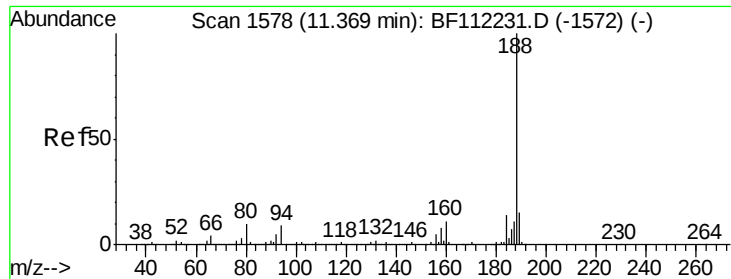
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.8	50.8#
89	1.8	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.624 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112438.D
 Acq: 7 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.9	41.9#
89	1.8	47.9	71.9#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112438.D

Acq: 7 Feb 2019 15:18

Instrument :

BNA_F

ClientSampleId :

M-5S

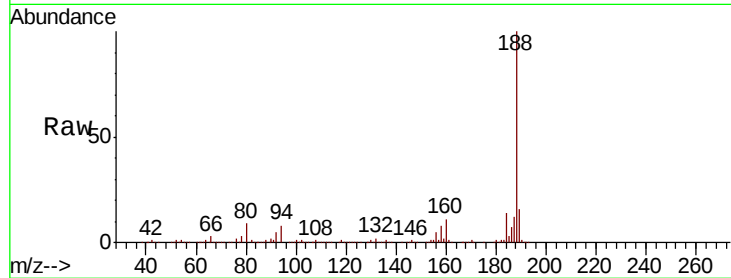
Tot Ion:188 Resp: 503884

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.2

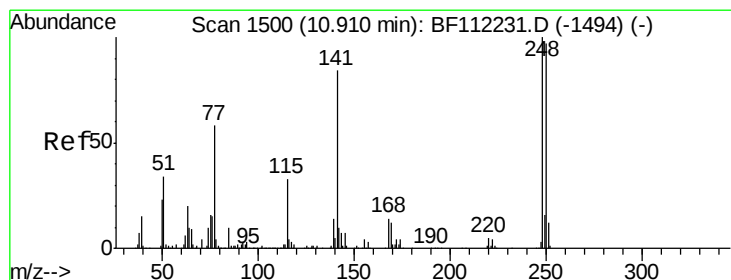
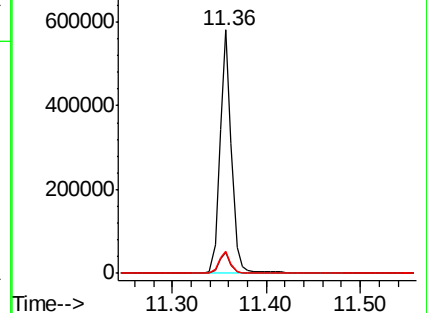
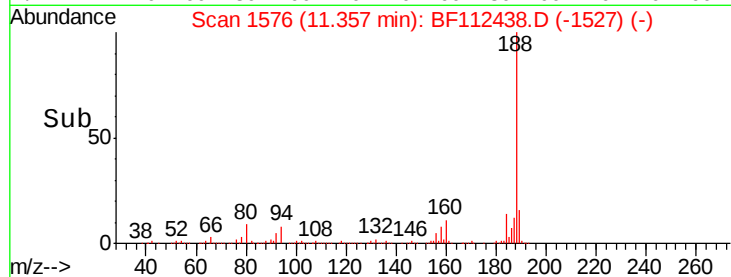
80 9.2 8.9 13.3



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: 3.218 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112438.D

Acq: 7 Feb 2019 15:18

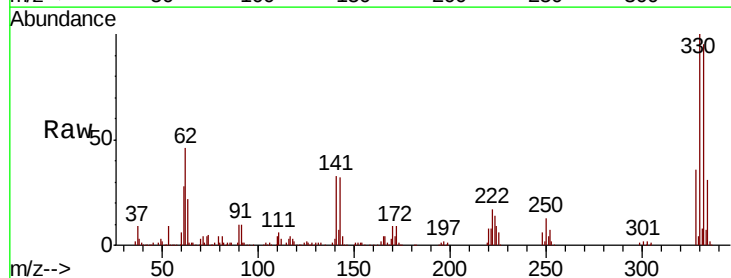
Tgt Ion:248 Resp: 19074

Ion Ratio Lower Upper

248 100

250 214.5 79.7 119.5#

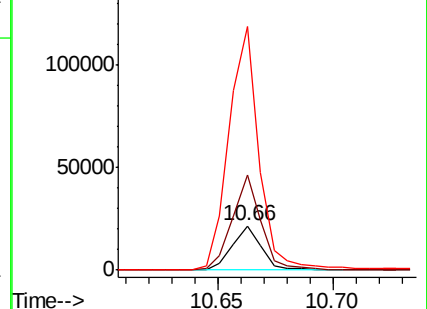
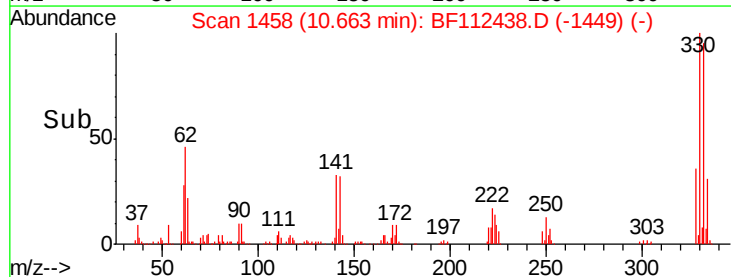
141 547.8 60.3 90.5#

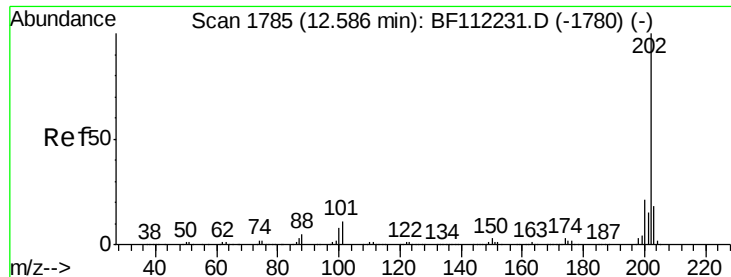


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.342 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112438.D

Acq: 7 Feb 2019 15:18

Instrument :

BNA_F

ClientSampleId :

M-5S

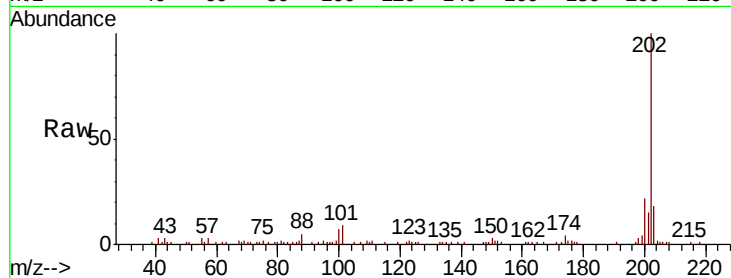
Tot Ion:202 Resp: 65807

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.8

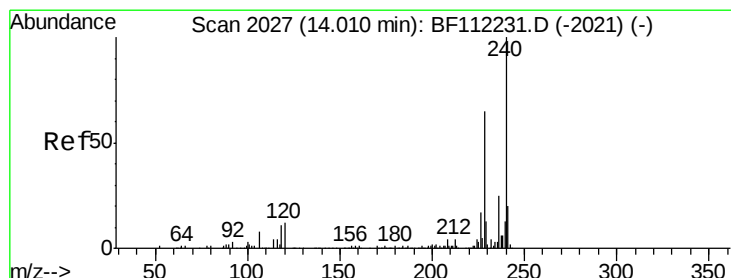
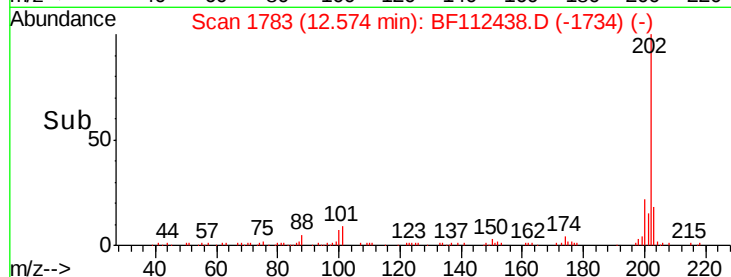
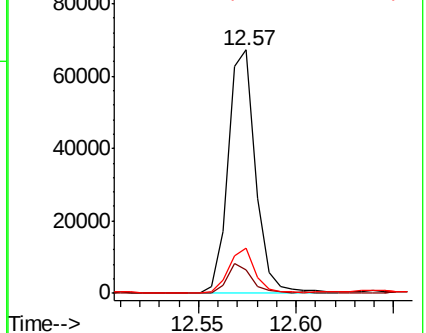
203 18.3 0.0 38.4



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: BF112438.D

Acq: 7 Feb 2019 15:18

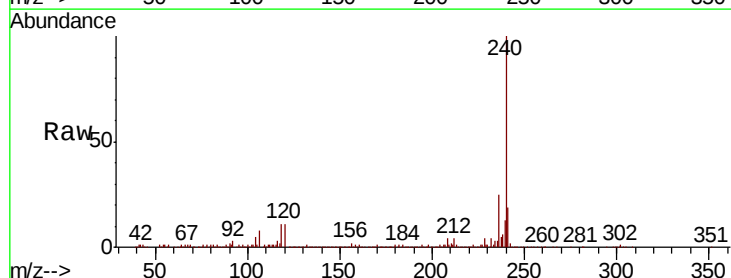
Tgt Ion:240 Resp: 356957

Ion Ratio Lower Upper

240 100

120 11.4 9.0 13.6

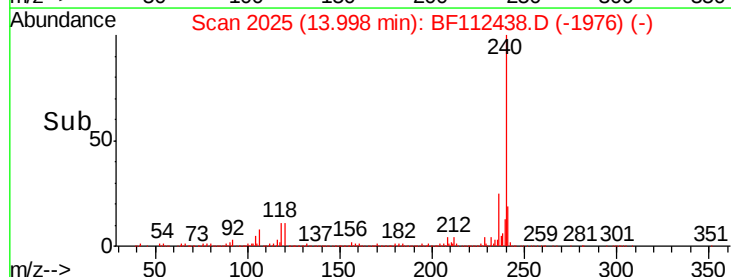
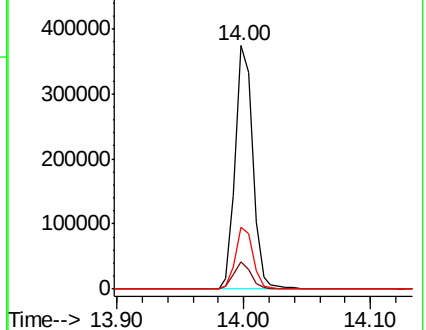
236 25.3 20.7 31.1

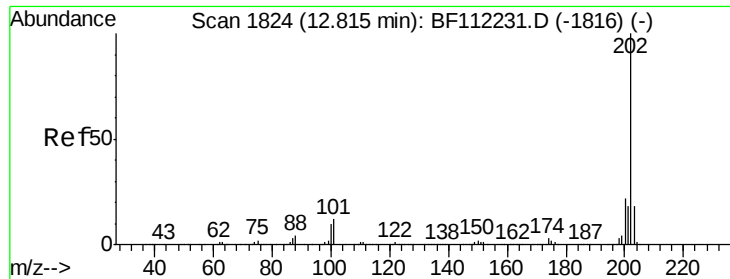


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

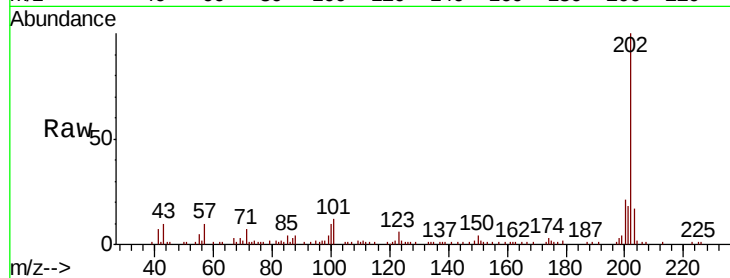




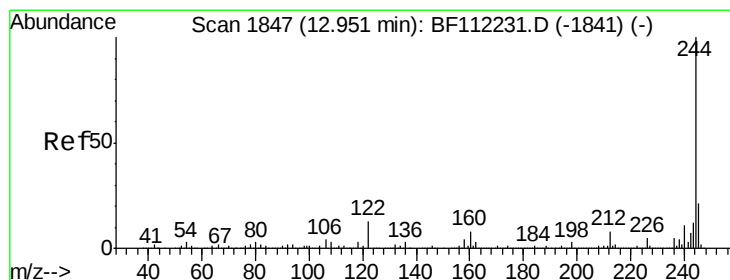
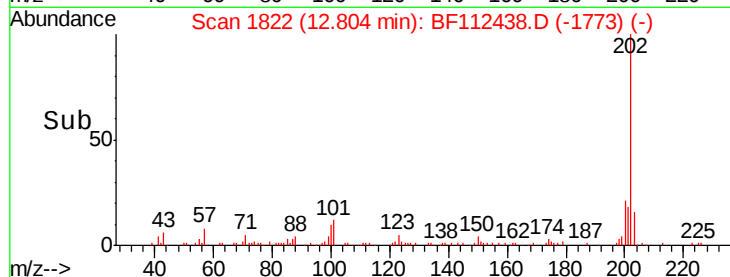
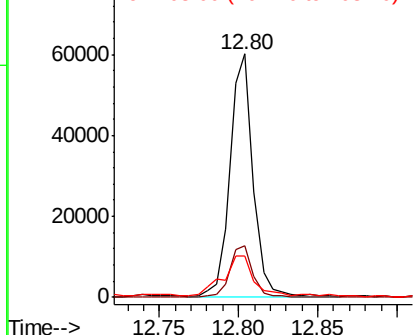
#78
Pvrene
Concen: 2.481 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

Instrument :
BNA_F
ClientSampleId :
M-5S

Tot Ion:202 Resp: 61324
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.0 14.6 22.0

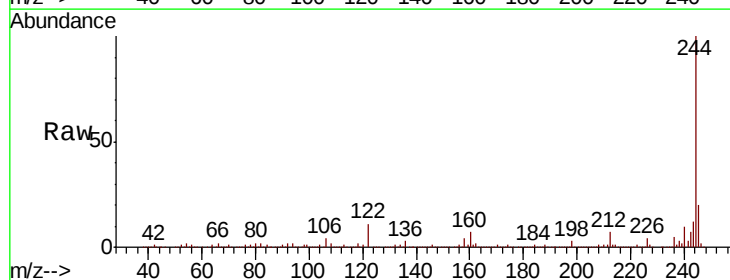


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

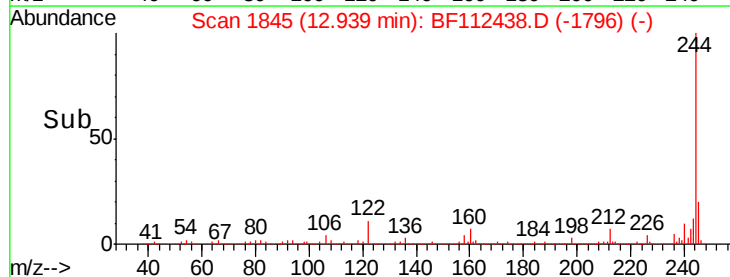
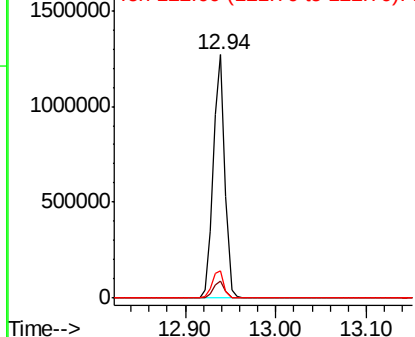


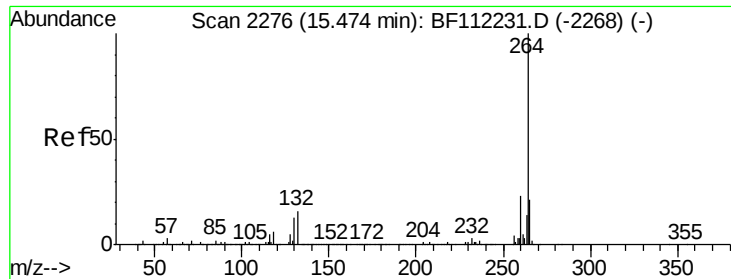
#79
Terphenyl-d14
Concen: 60.211 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

Tgt Ion:244 Resp: 1141143
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 11.3 9.8 14.6



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

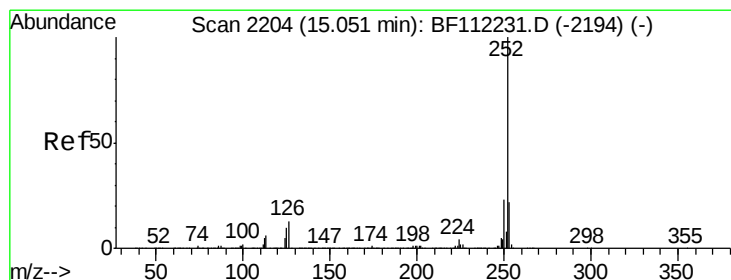
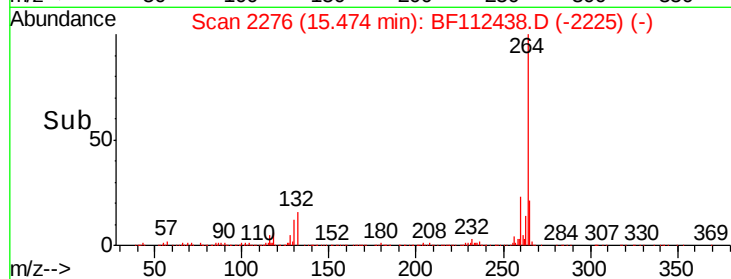
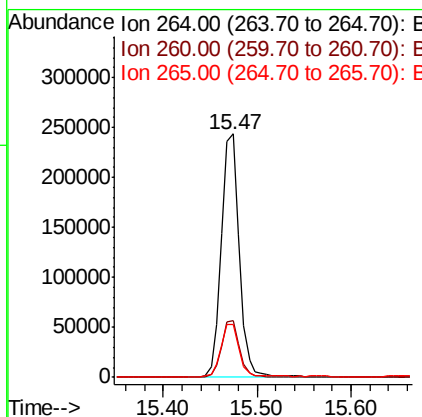
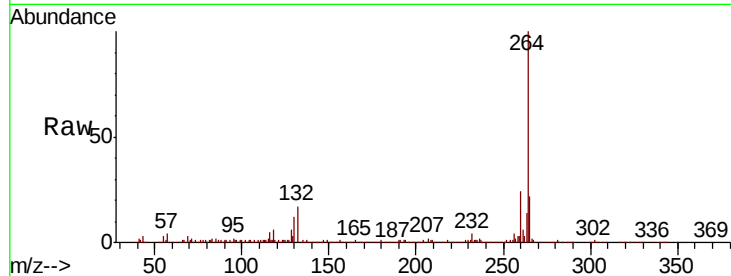




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

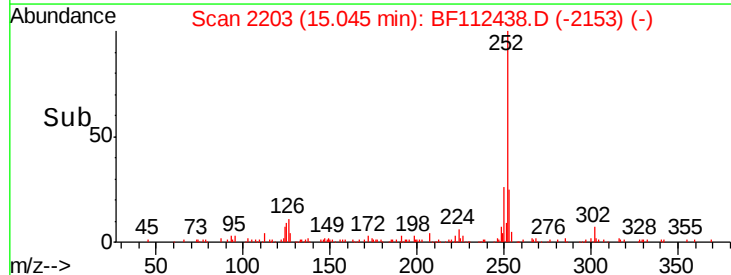
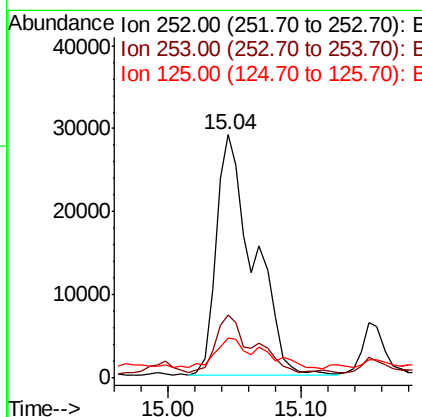
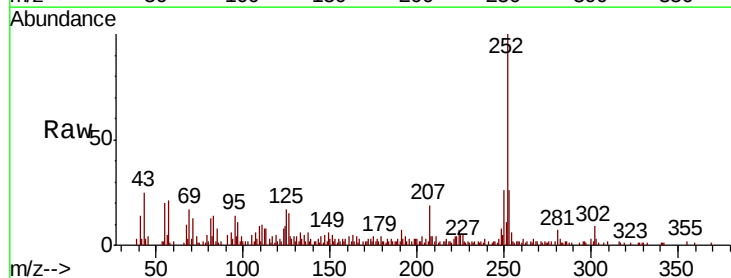
Instrument :
BNA_F
ClientSampleId :
M-5S

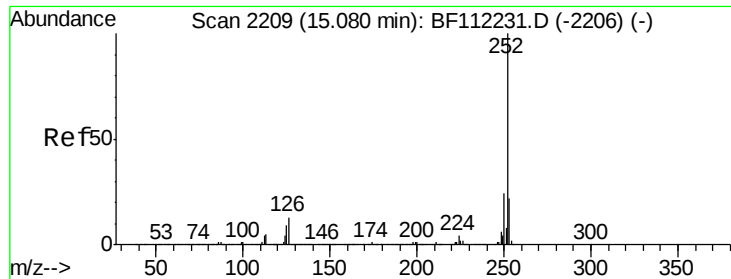
Tot Ion:264 Resp: 324140
Ion Ratio Lower Upper
264 100
260 23.5 18.2 27.2
265 21.6 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 2.919 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112438.D
Acq: 7 Feb 2019 15:18

Tgt Ion:252 Resp: 56584
Ion Ratio Lower Upper
252 100
253 26.1 18.0 27.0
125 16.6 8.7 13.1#





#89
 Benzo(k)fluoranthene
 Concen: 3.047 ng
 RT: 15.04 min Scan# 2203
 Delta R.T. -0.04 min
 Lab File: BF112438.D
 Acq: 7 Feb 2019 15:18

Instrument :
 BNA_F
 ClientSampleId :
 M-5S

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	16.6	9.1	13.7

