

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020119\
 Data File : BF112359.D
 Acq On : 1 Feb 2019 18:46
 Operator : JU/SJ
 Sample : K1011-13 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-013119-A

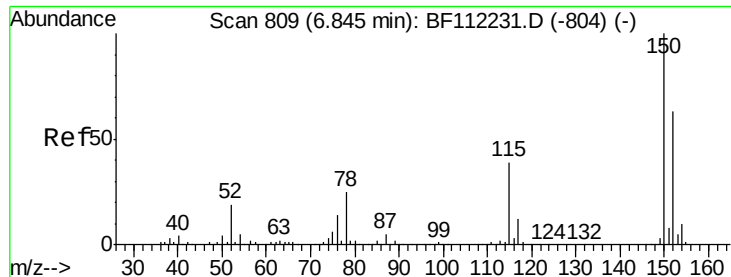
Quant Time: Feb 01 23:21:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	140969	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	511623	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	214828	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	330567	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	325912	20.00	ng	0.00
87) Perylene-d12	15.47	264	334864	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	195400	29.44	ng	-0.01
7) Phenol-d6	6.48	99	238998	25.92	ng	-0.01
23) Nitrobenzene-d5	7.40	82	142215	16.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	49937	19.97	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	281224	18.51	ng	-0.01
79) Terphenyl-d14	12.94	244	210604	12.17	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	19650	3.090	ng	# 74
25) Isophorone	7.40	82	142213	10.209	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	29023	7.764	ng	# 35
56) 4-Nitrophenol	10.08	139	4828	2.255	ng	# 12
57) 2,4-Dinitrotoluene	9.87	165	29023	6.099	ng	# 32
71) Phenanthrene	11.38	178	99342	5.780	ng	99
75) Fluoranthene	12.57	202	98919	5.367	ng	98
78) Pyrene	12.80	202	85531	3.791	ng	98
81) Benzo(a)anthracene	13.99	228	47438	2.476	ng	97
83) Chrysene	14.03	228	39398	2.154	ng	98
88) Benzo(b)fluoranthene	15.04	252	73971	3.694	ng	# 87
89) Benzo(k)fluoranthene	15.04	252	73971	3.856	ng	# 88
90) Benzo(a)pyrene	15.41	252	40686	2.258	ng	# 95

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

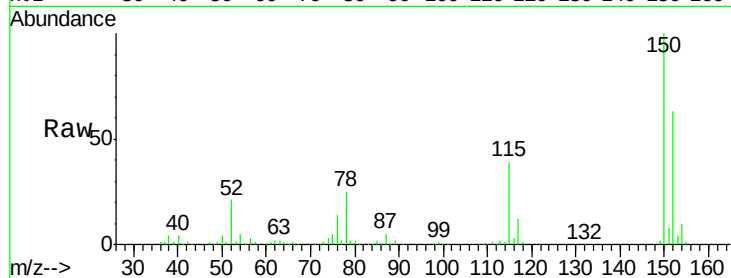


#1

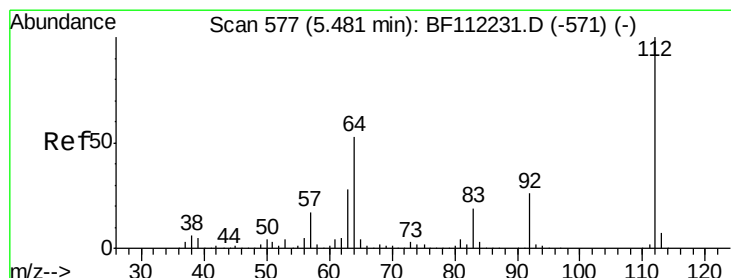
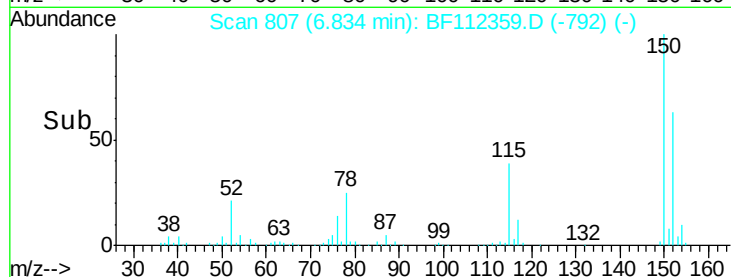
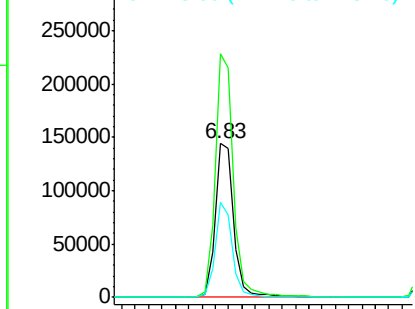
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112359.D
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Instrument :
BNA_F
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OR-02-013119-A

Tgt Ion:152 Resp: 140969
Ion Ratio Lower Upper
152 100
150 158.4 127.4 191.0
115 61.8 45.5 68.3



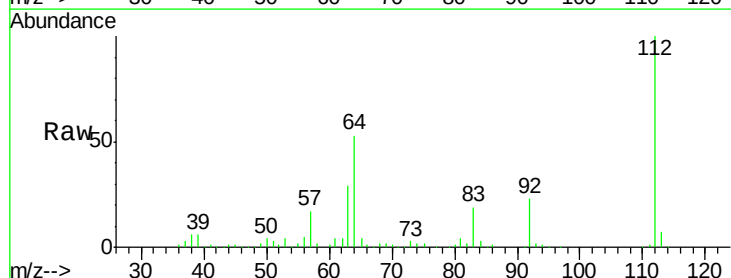
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



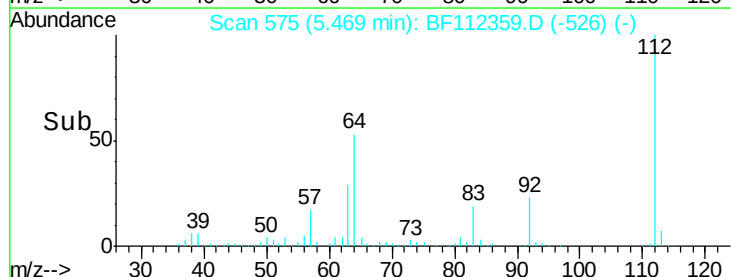
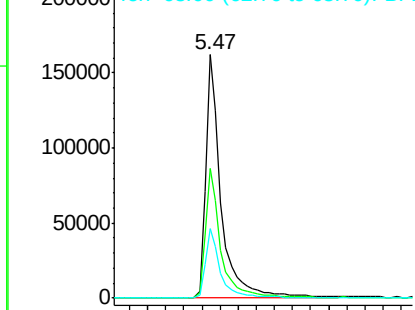
#5

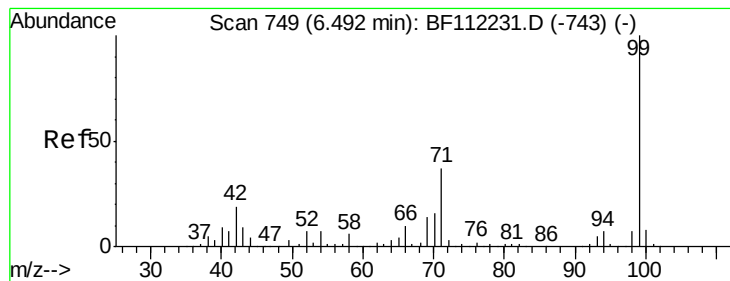
2-Fluorophenol
Concen: 29.442 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion:112 Resp: 195400
Ion Ratio Lower Upper
112 100
64 53.2 45.7 68.5
63 28.6 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: 25.916 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Instrument :

BNA_F

ClientSampleId :

OR-02-013119-A

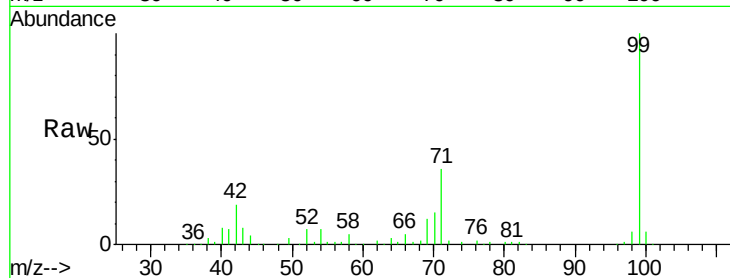
Tgt Ion: 99 Resp: 238998

Ion Ratio Lower Upper

99 100

42 18.6 15.1 22.7

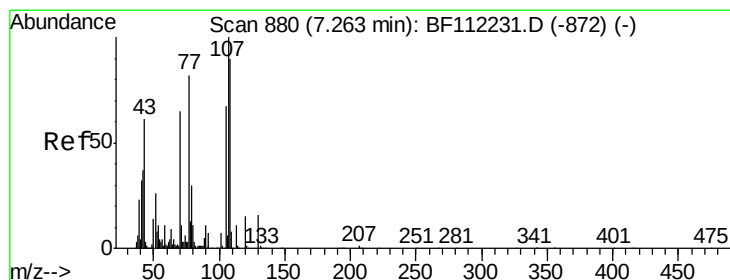
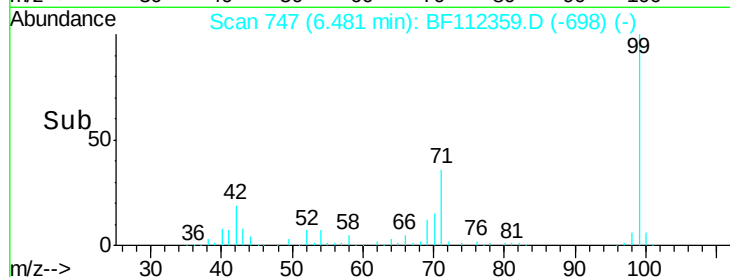
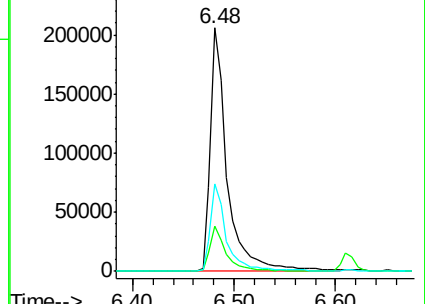
71 35.7 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.090 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Tgt Ion: 70 Resp: 19650

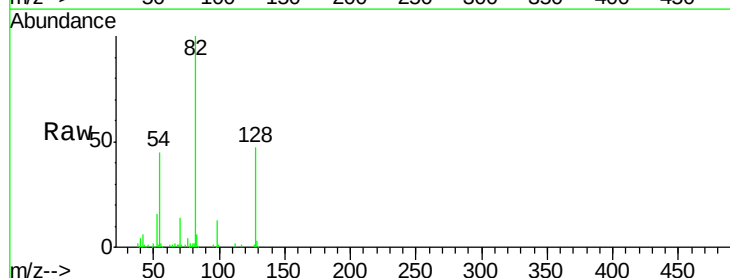
Ion Ratio Lower Upper

70 100

42 44.7 47.6 71.4#

101 0.0 7.9 11.9#

130 1.9 18.4 27.6#

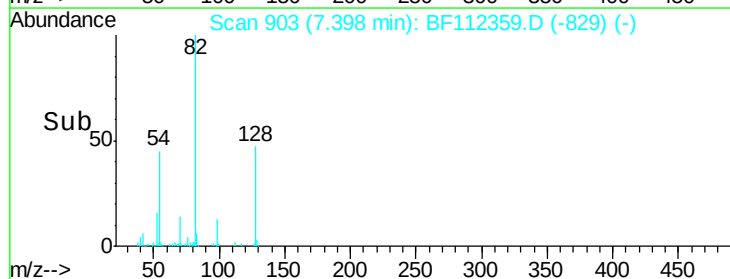
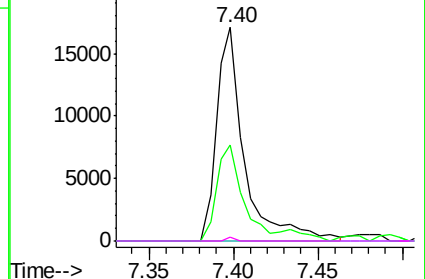


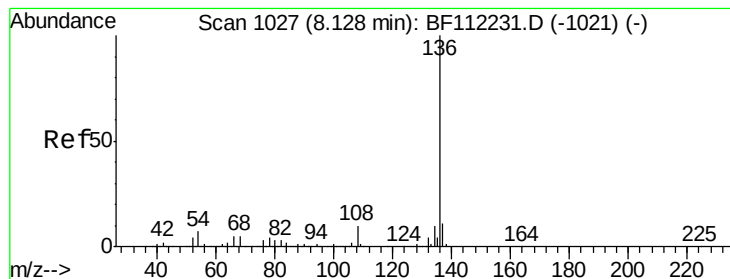
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1025

Delta R.T. -0.01 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Instrument :

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ClientSampleId :

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Tgt Ion:136 Resp: 511623

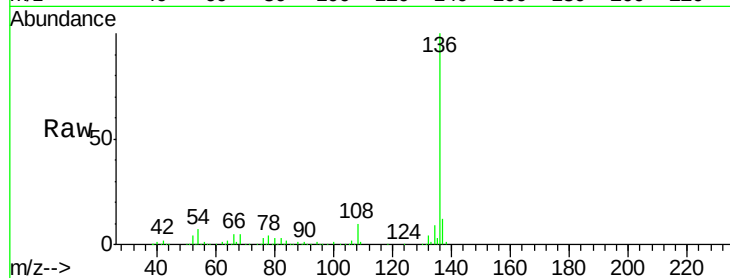
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 6.7 5.9 8.9

68 5.4 5.1 7.7

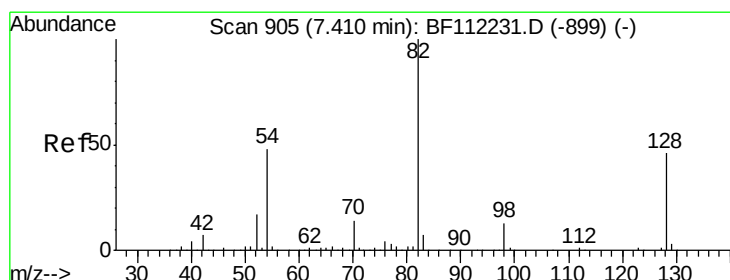
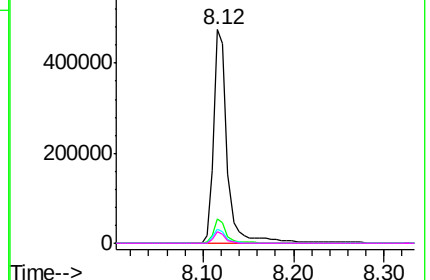
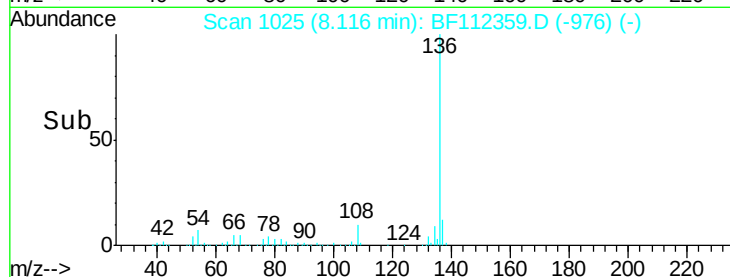


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.016 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

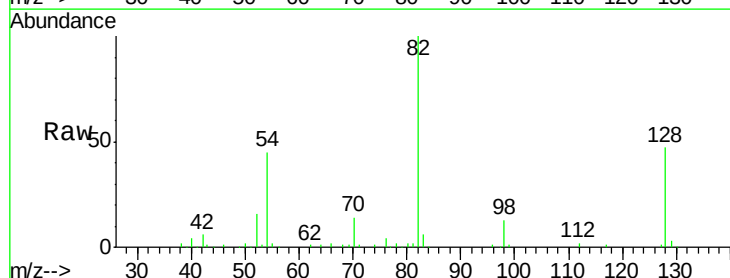
Tgt Ion: 82 Resp: 142215

Ion Ratio Lower Upper

82 100

128 47.3 37.8 56.8

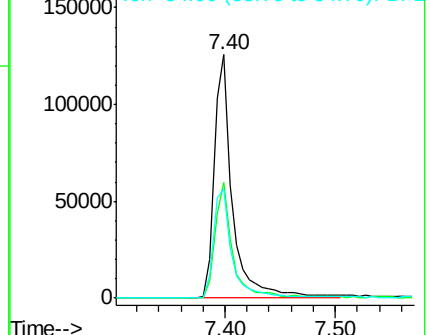
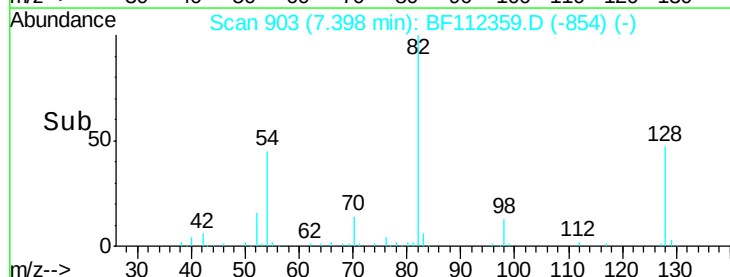
54 44.7 39.7 59.5

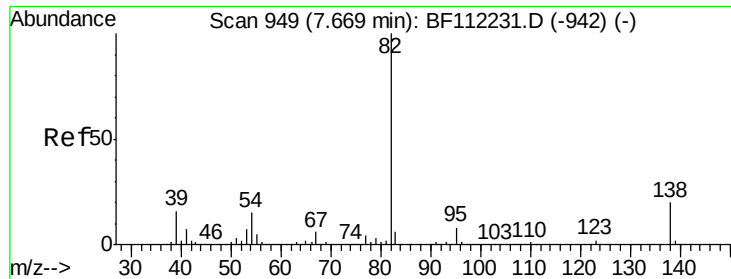


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 10.209 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Instrument :

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ClientSampleId :

OR-02-013119-A

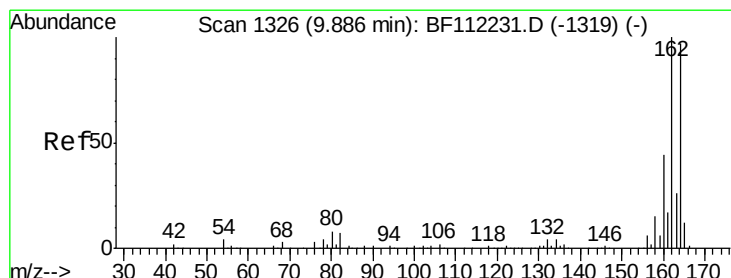
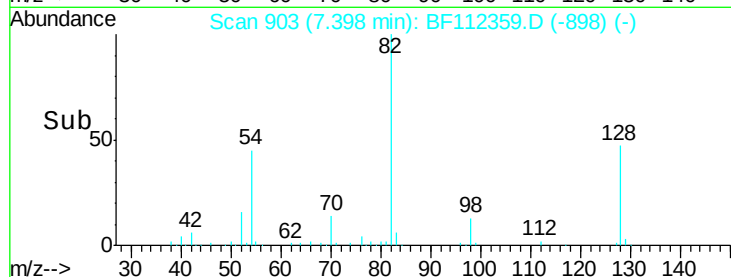
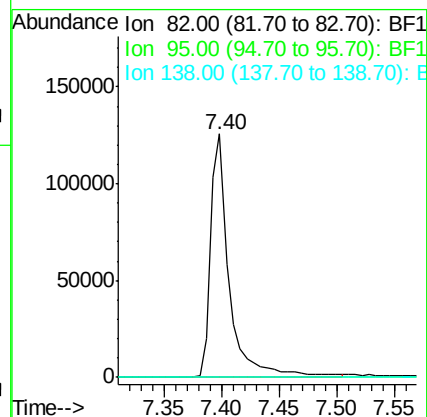
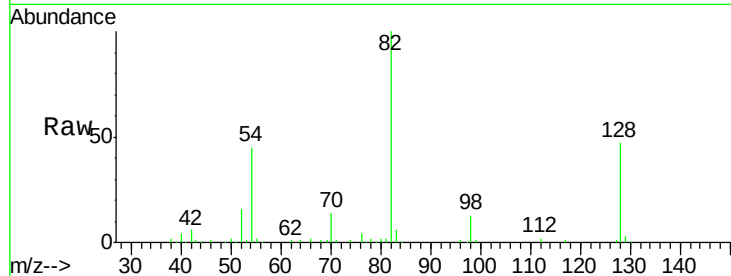
Tgt Ion: 82 Resp: 142213

Ion Ratio Lower Upper

82 100

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# 1324

Delta R.T. -0.01 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

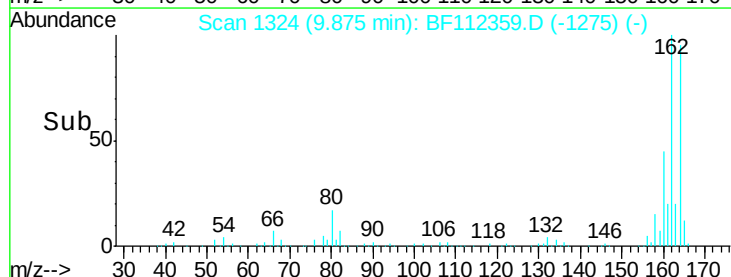
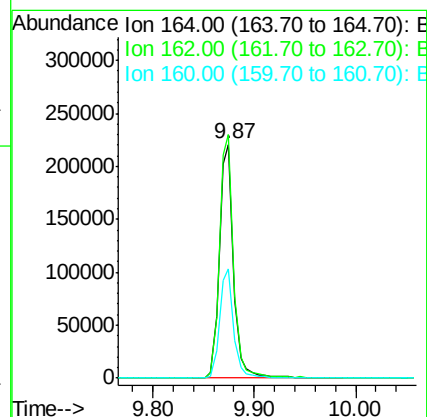
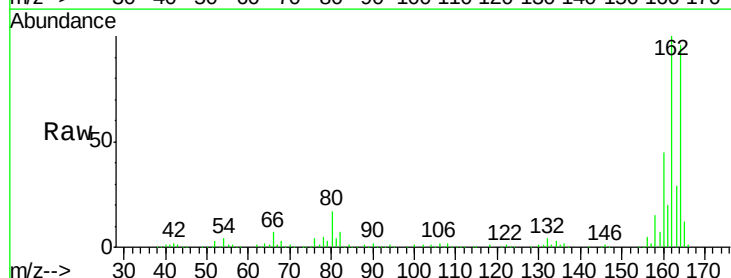
Tgt Ion: 164 Resp: 214828

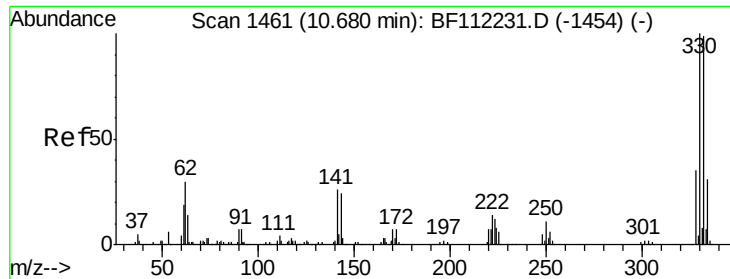
Ion Ratio Lower Upper

164 100

162 104.3 82.2 123.4

160 46.6 36.2 54.4

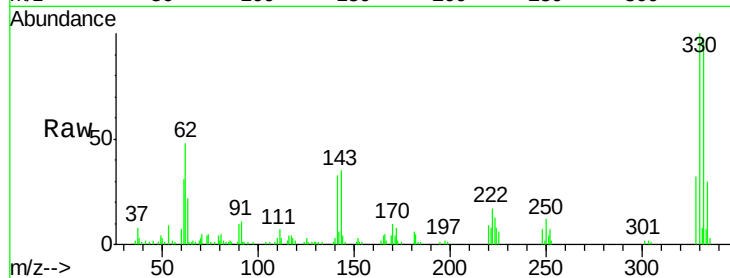




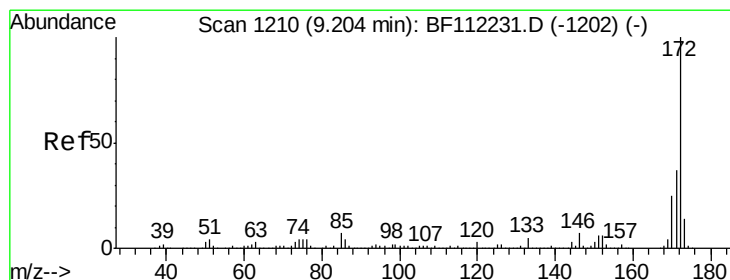
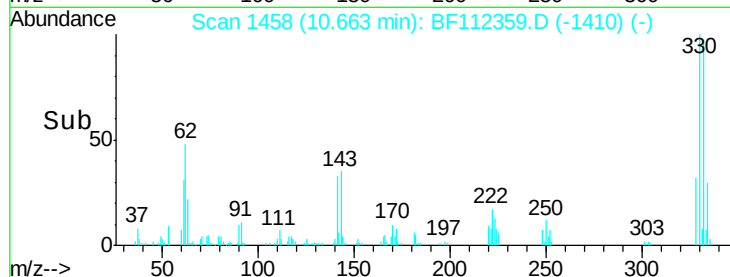
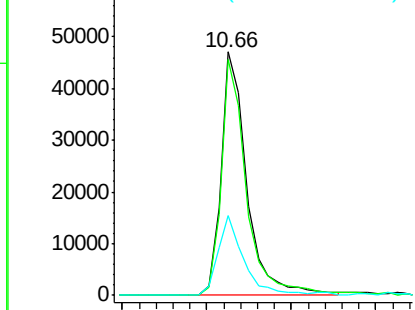
#42
 2,4,6-Tribromophenol
 Concen: 19.971 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112359.D
 Acq: 1 Feb 2019 18:46

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-013119-A

Tgt Ion:330 Resp: 49937
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 33.5 24.3 36.5

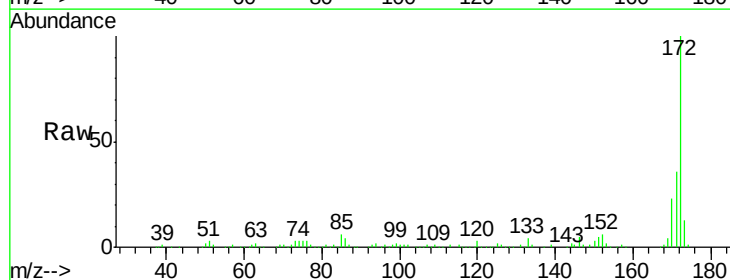


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

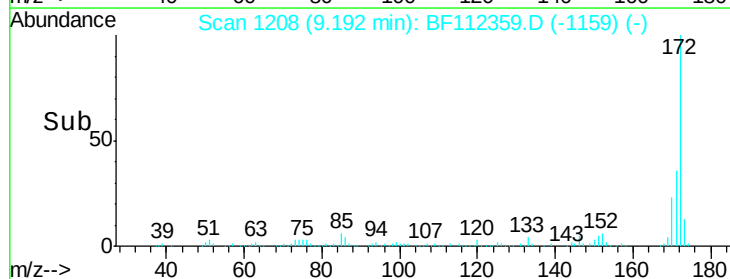
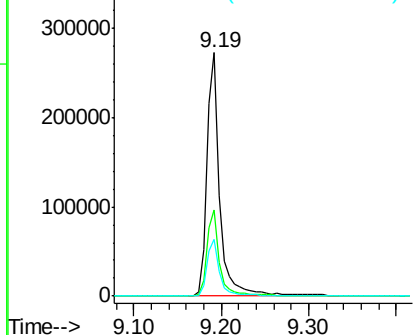


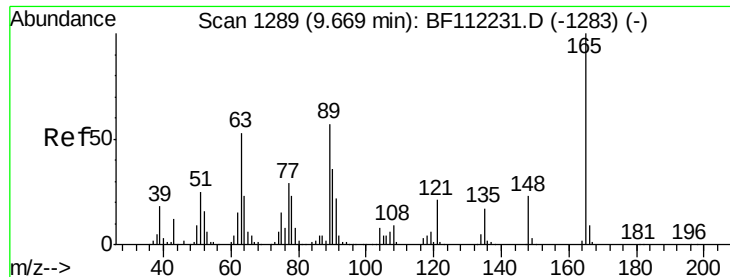
#45
 2-Fluorobiphenyl
 Concen: 18.515 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112359.D
 Acq: 1 Feb 2019 18:46

Tgt Ion:172 Resp: 281224
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.5 45.7
 170 23.2 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





#51

2,6-Dinitrotoluene

Concen: 7.764 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

Instrument :

BNA_F

ClientSampleId :

OR-02-013119-A

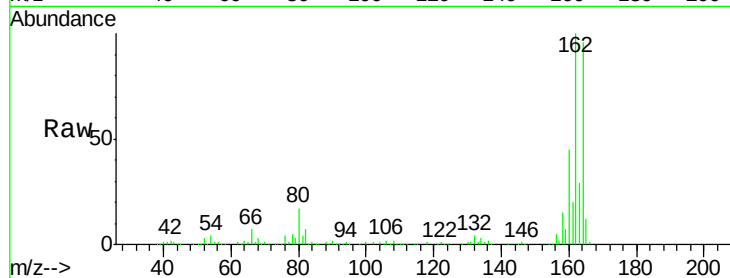
Tgt Ion:165 Resp: 29023

Ion Ratio Lower Upper

165 100

63 2.2 33.8 50.8#

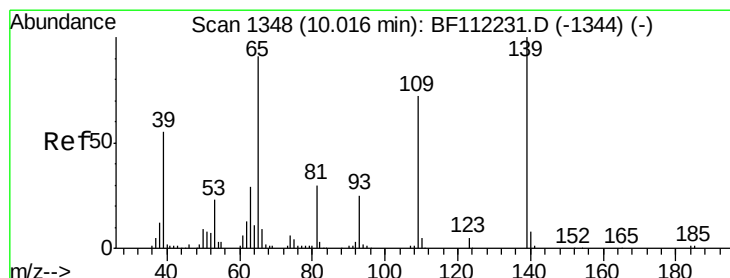
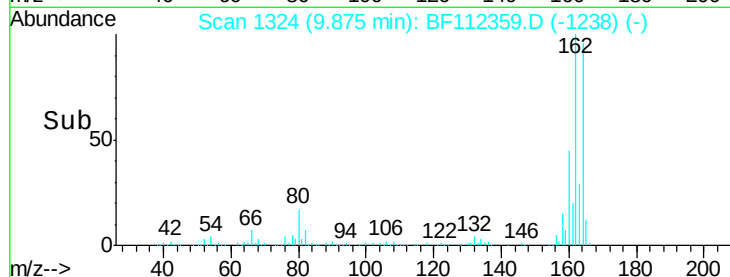
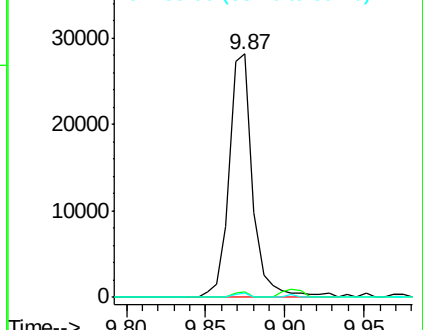
89 1.5 36.9 55.3#



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



#56

4-Nitrophenol

Concen: 2.255 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.06 min

Lab File: BF112359.D

Acq: 1 Feb 2019 18:46

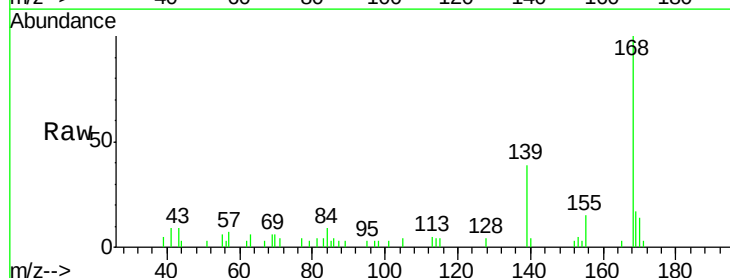
Tgt Ion:139 Resp: 4828

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

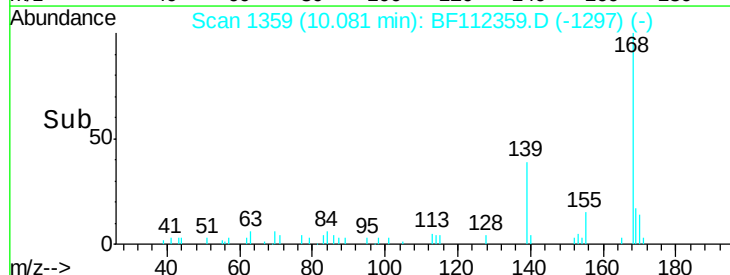
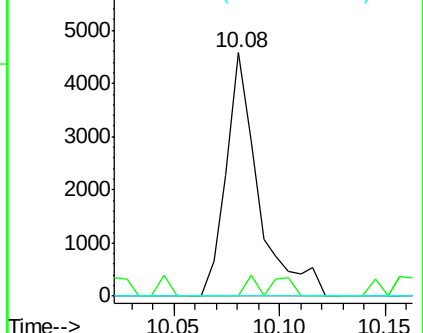
65 0.0 66.1 106.1#

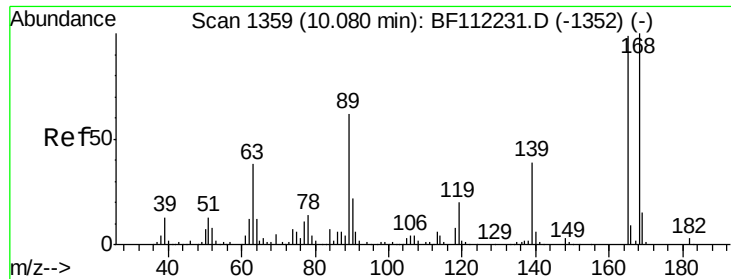


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

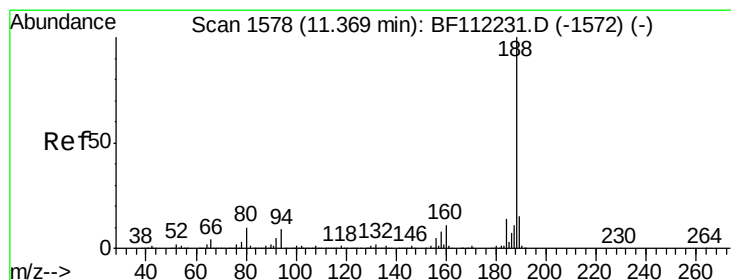
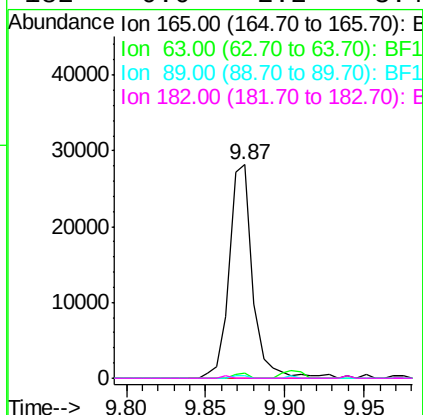
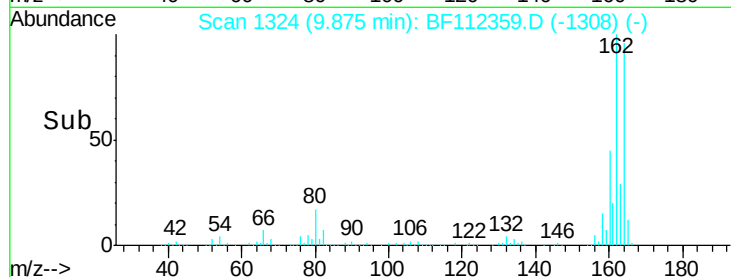
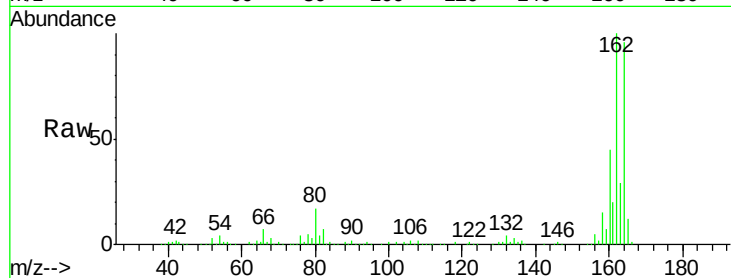




#57
2,4-Dinitrotoluene
Concen: 6.099 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.21 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

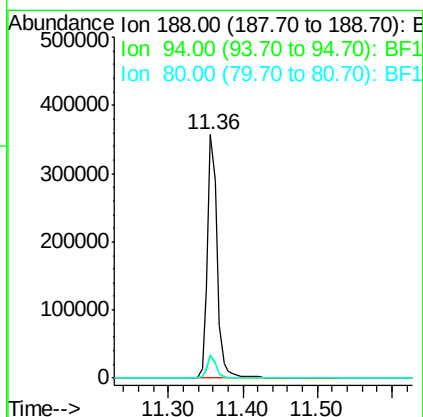
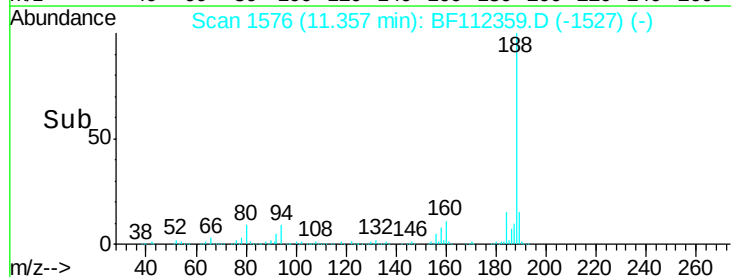
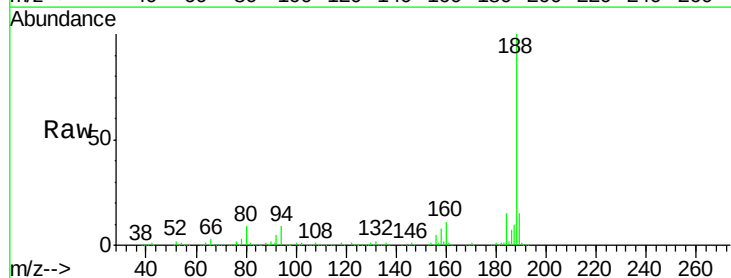
Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

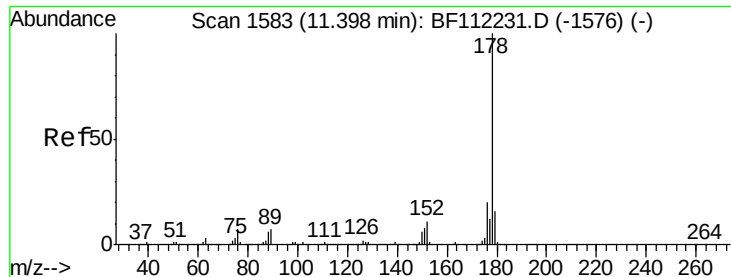
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	27.9	41.9#
89	1.5	47.9	71.9#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.2
80	9.5	8.9	13.3

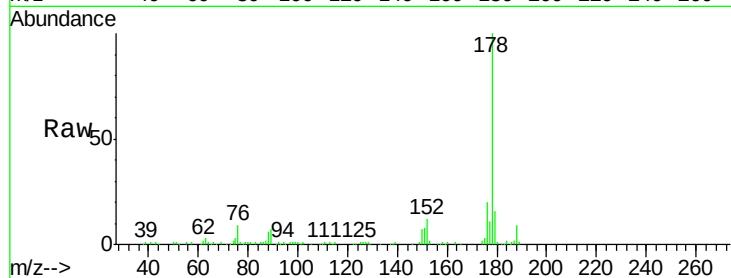




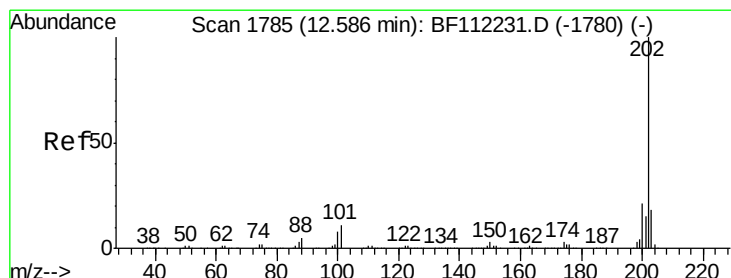
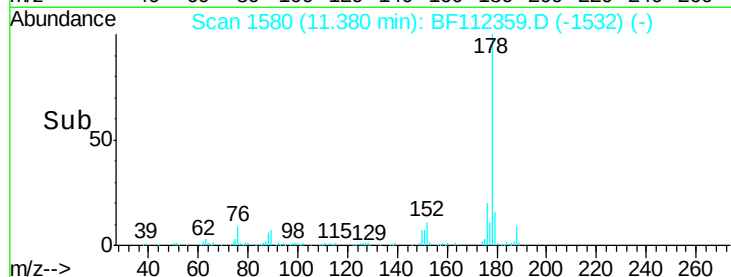
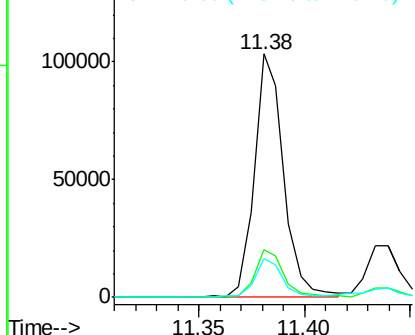
#71
Phenanthrene
Concen: 5.780 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

Tgt Ion:178 Resp: 99342
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 15.7 13.0 19.4

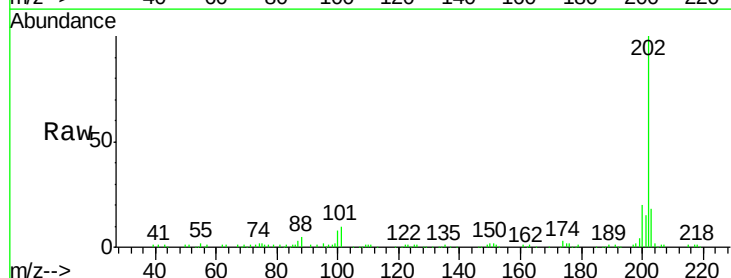


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

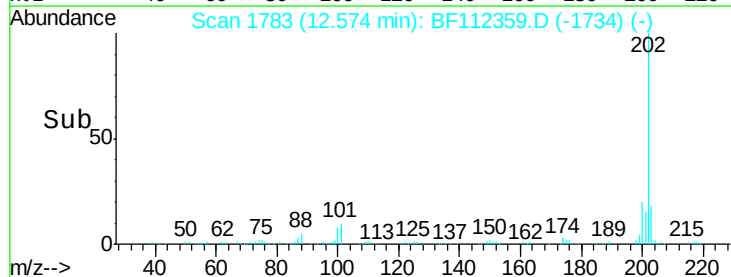
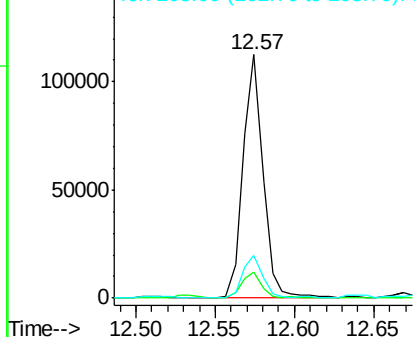


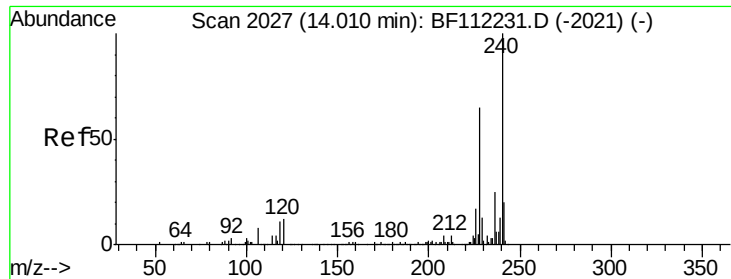
#75
Fluoranthene
Concen: 5.367 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion:202 Resp: 98919
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.8
203 17.7 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

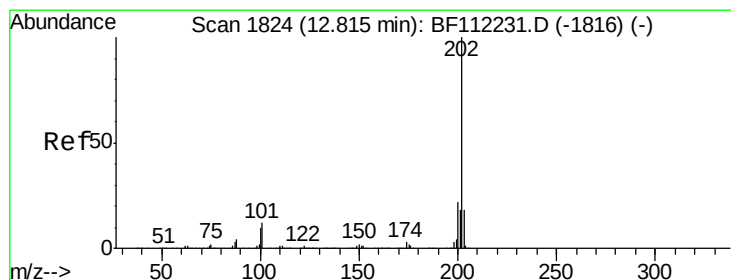
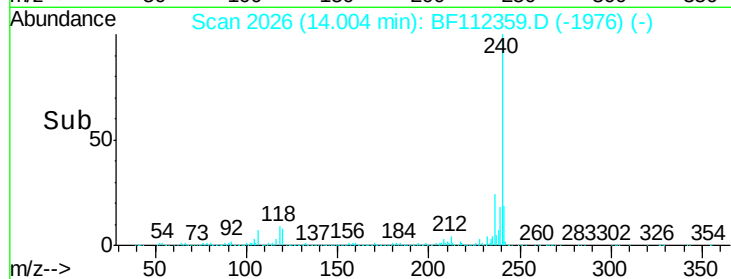
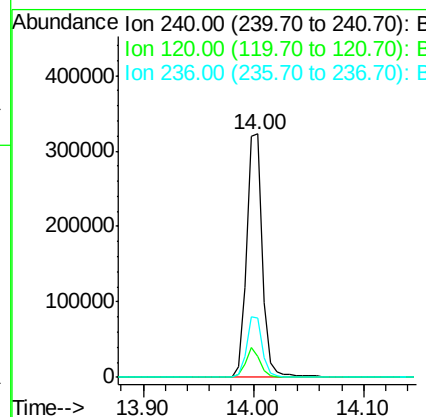
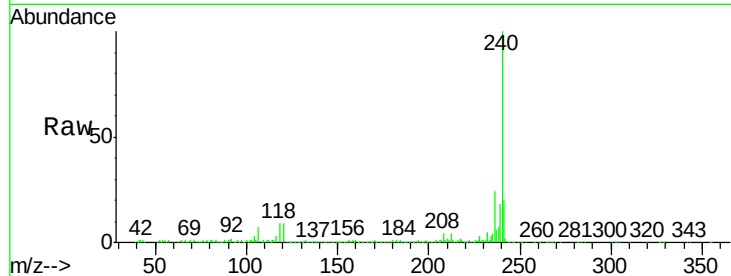




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

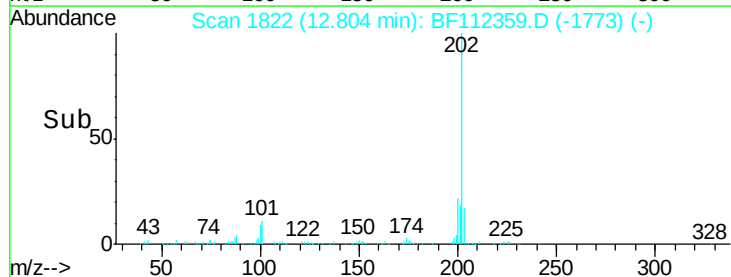
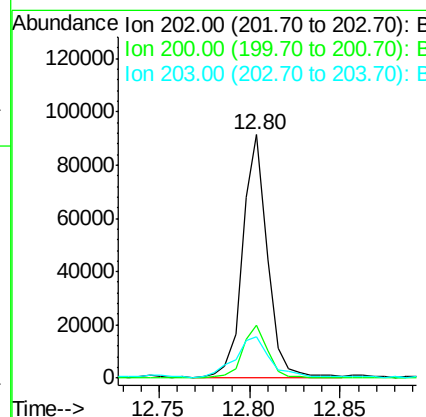
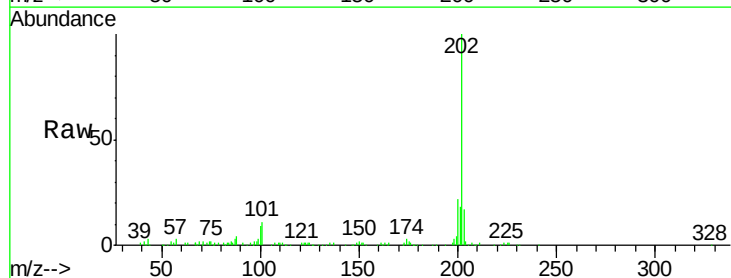
Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

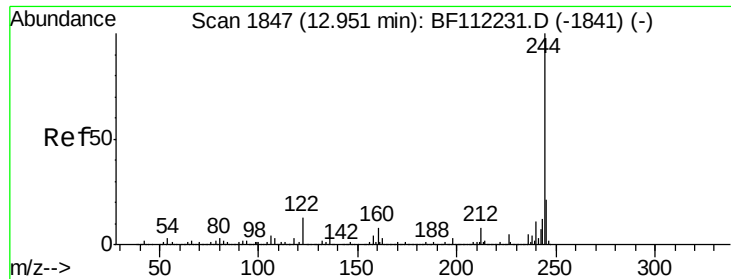
Tgt Ion:240 Resp: 325912
Ion Ratio Lower Upper
240 100
120 8.6 9.0 13.6#
236 24.5 20.7 31.1



#78
Pyrene
Concen: 3.791 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion:202 Resp: 85531
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 17.3 14.6 22.0

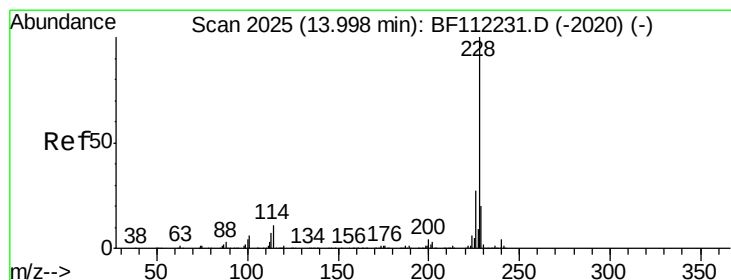
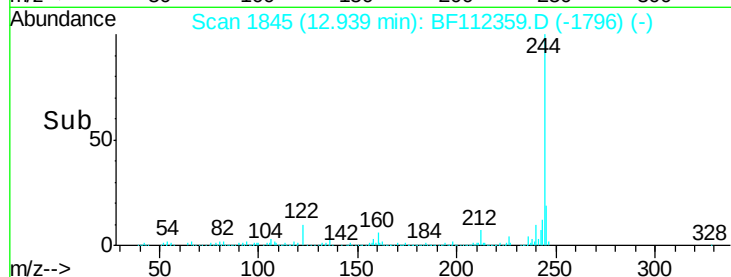
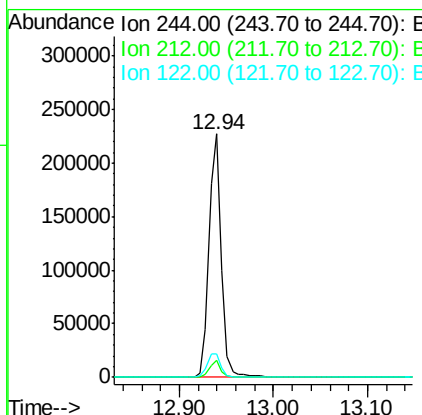
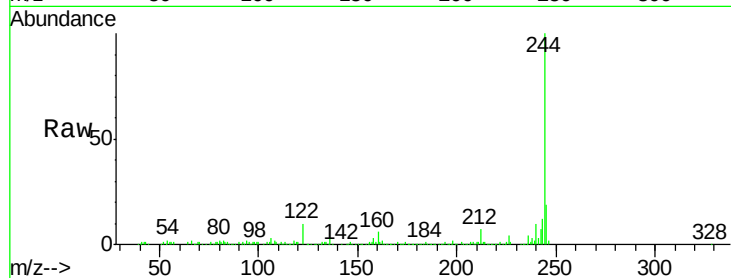




#79
 Terphenyl-d14
 Concen: 12.171 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112359.D
 Acq: 1 Feb 2019 18:46

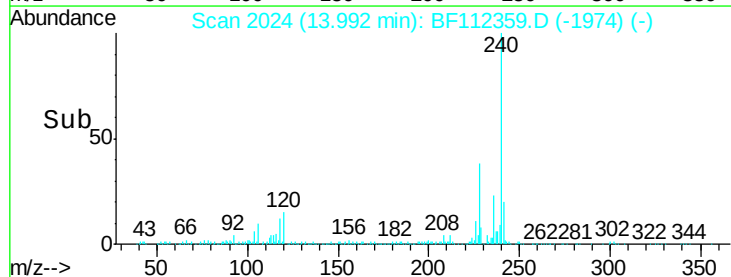
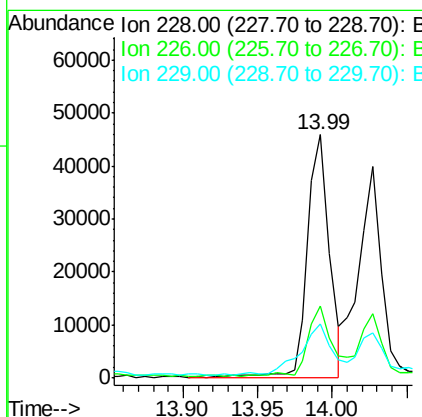
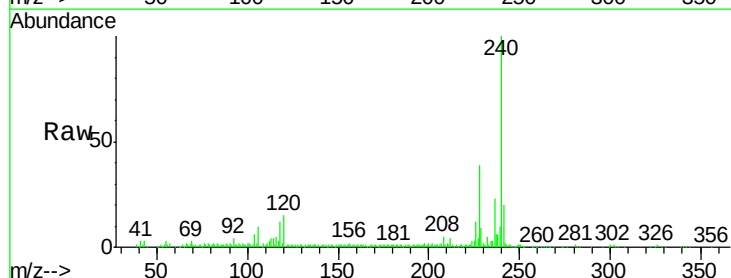
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-013119-A

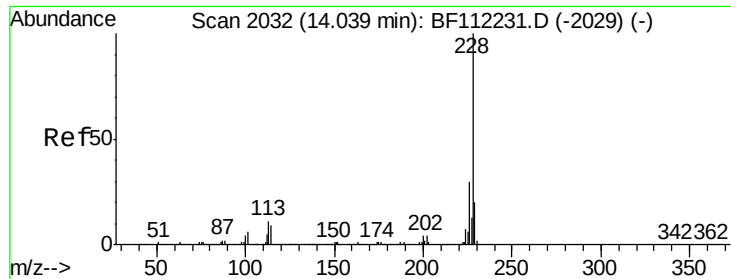
Tgt Ion:244 Resp: 210604
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 9.8 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 2.476 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112359.D
 Acq: 1 Feb 2019 18:46

Tgt Ion:228 Resp: 47438
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.6 34.0
 229 22.5 16.5 24.7

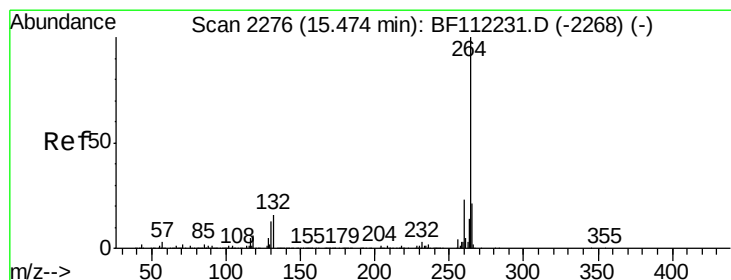
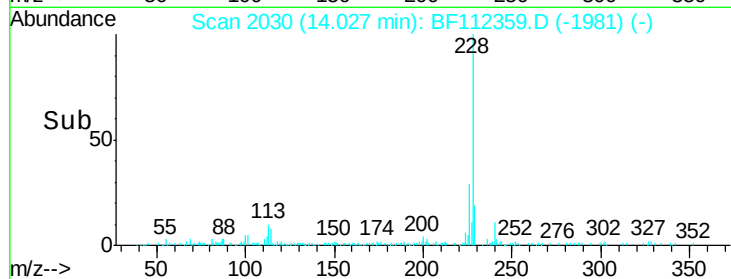
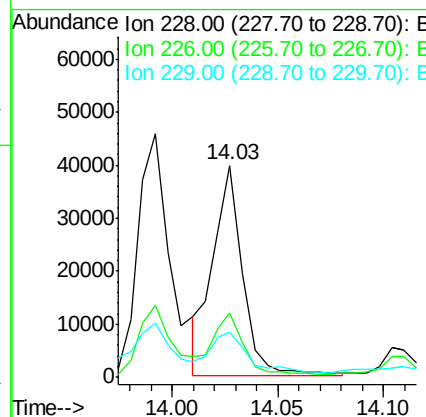
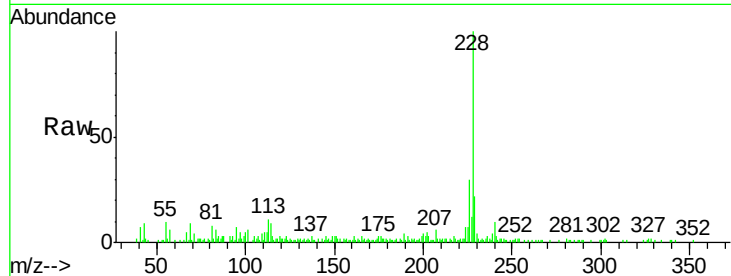




#83
Chrysene
Concen: 2.154 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

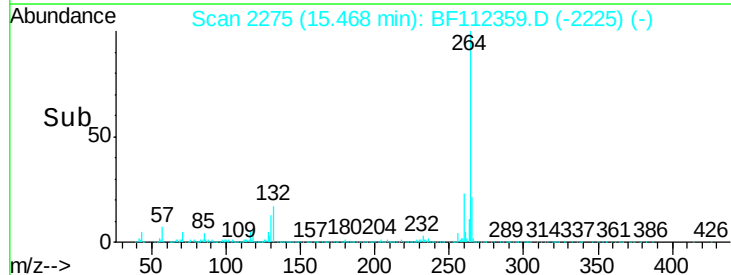
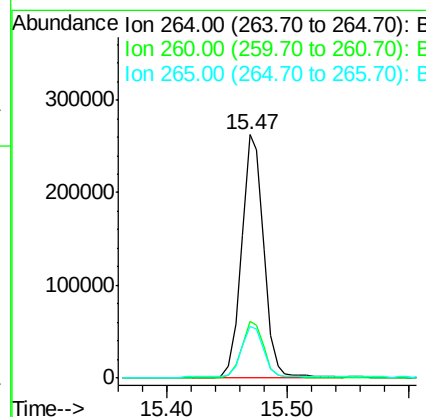
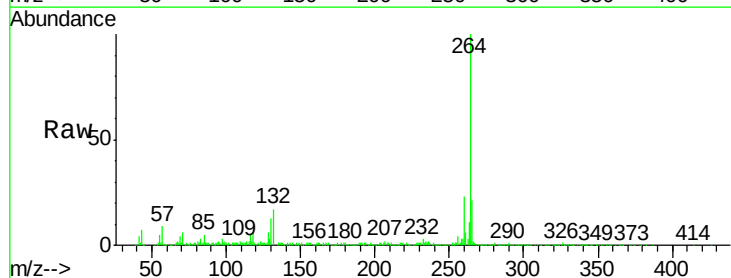
Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

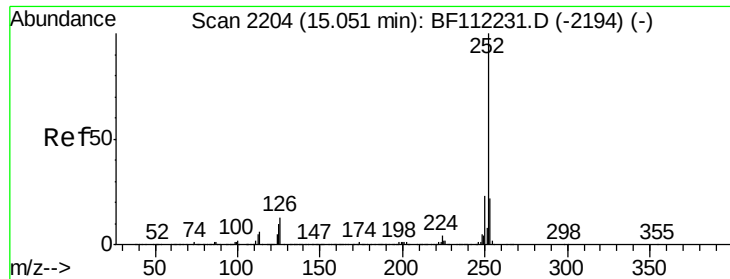
Tgt Ion: 228 Resp: 39398
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 21.6 16.6 24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion: 264 Resp: 334864
Ion Ratio Lower Upper
264 100
260 23.3 18.2 27.2
265 21.4 17.0 25.4

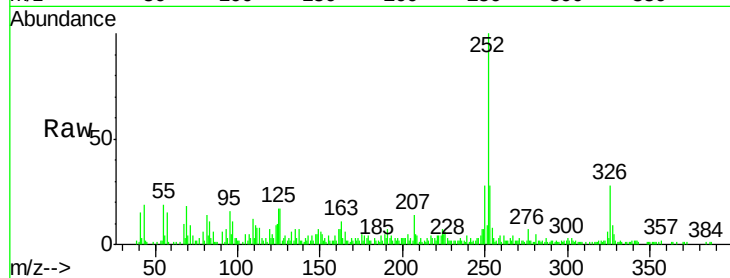




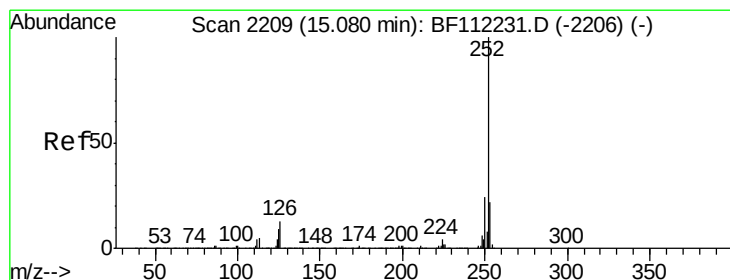
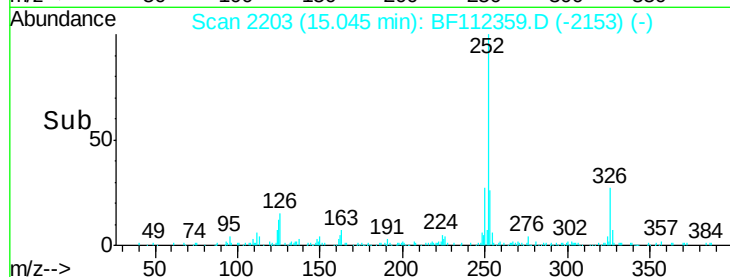
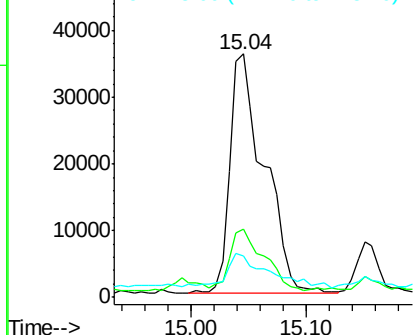
#88
Benzo(b)fluoranthene
Concen: 3.694 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Instrument :
BNA_F
ClientSampleId :
OR-02-013119-A

Tgt Ion:252 Resp: 73971
Ion Ratio Lower Upper
252 100
253 28.0 18.0 27.0#
125 16.8 8.7 13.1#

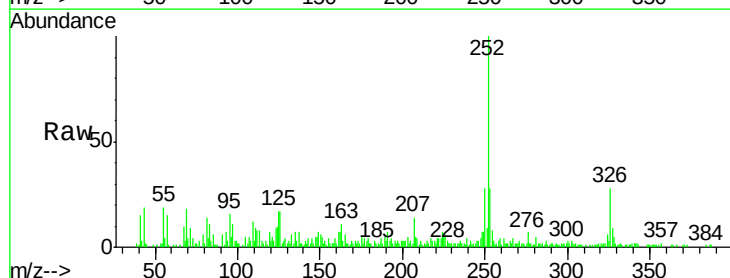


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

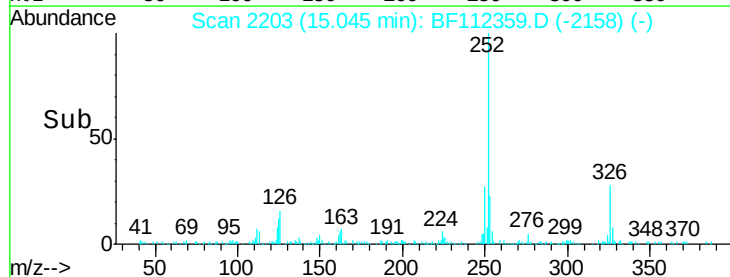
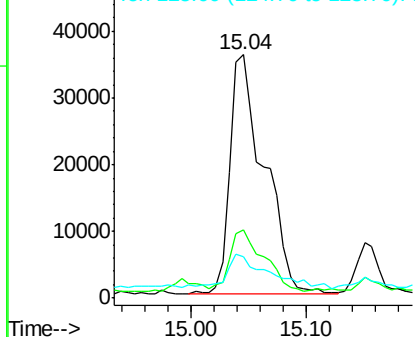


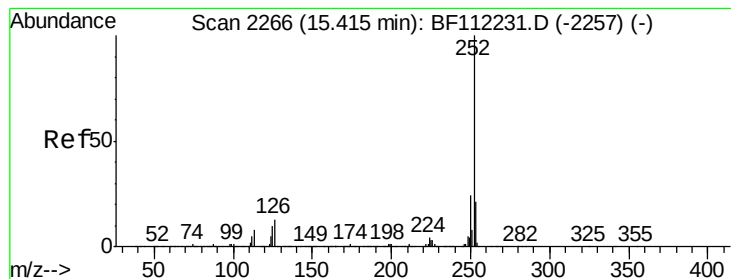
#89
Benzo(k)fluoranthene
Concen: 3.856 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112359.D
Acq: 1 Feb 2019 18:46

Tgt Ion:252 Resp: 73971
Ion Ratio Lower Upper
252 100
253 28.0 18.0 27.0#
125 16.8 9.1 13.7#



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: 2.258 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF112359.D

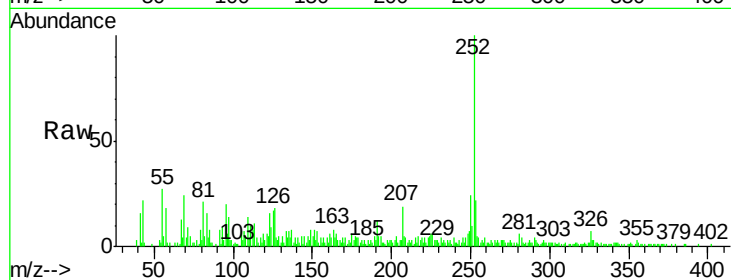
Acq: 1 Feb 2019 18:46

Instrument :

BNA_F

ClientSampleId :

OR-02-013119-A



Tgt Ion:	252	Resp:	40686
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	16.7	9.0	13.4

