

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112523.D
 Acq On : 12 Feb 2019 22:50
 Operator : JU/SJ
 Sample : K1343-09 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-E

Quant Time: Feb 13 03:41:39 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

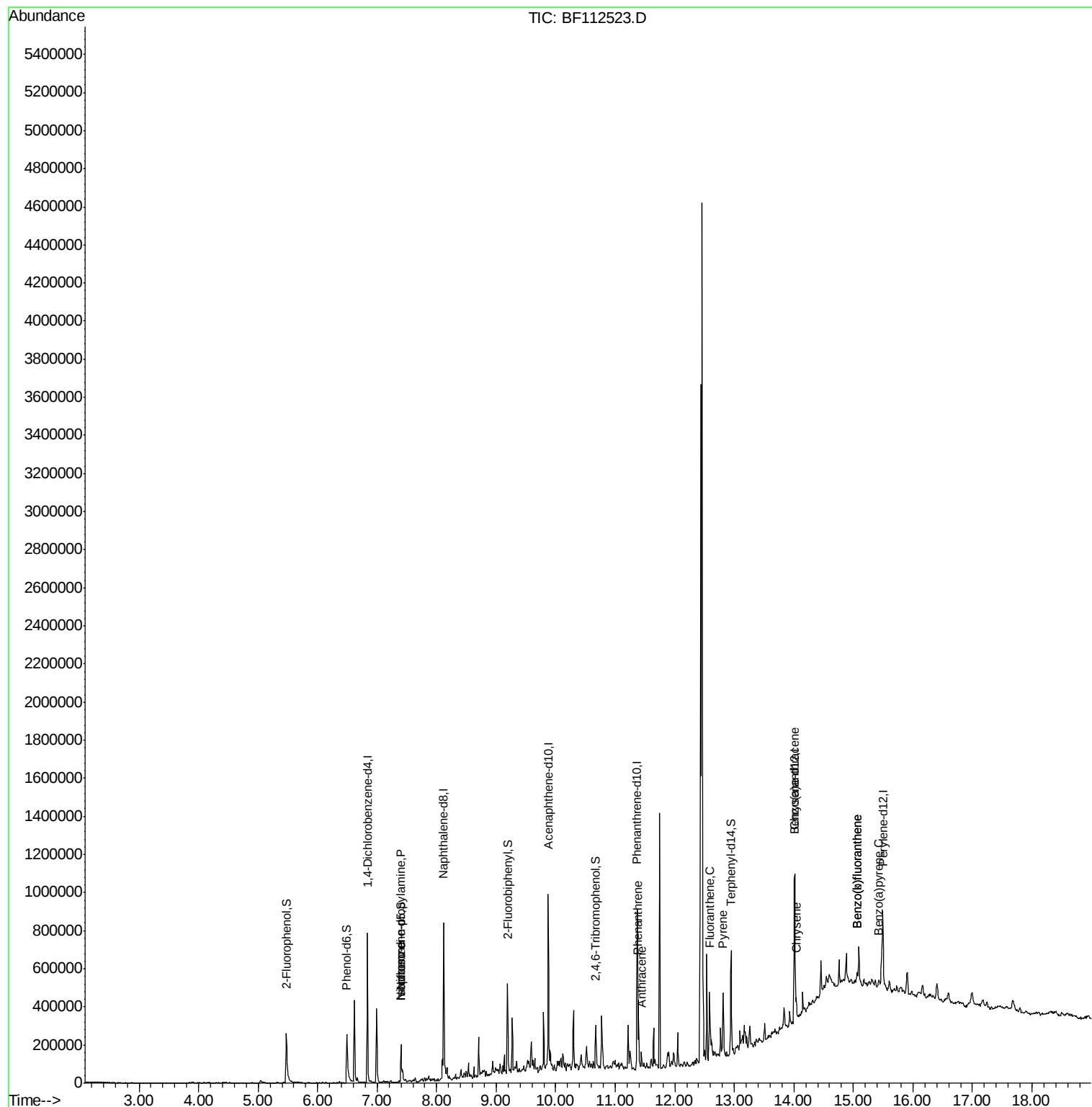
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	117077	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	426039	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	174777	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	309161	20.00	ng	0.00
76) Chrysene-d12	14.02	240	266962	20.00	ng	0.00
87) Perylene-d12	15.49	264	197704	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	117227	21.27	ng	0.00
7) Phenol-d6	6.49	99	142700	18.63	ng	0.00
23) Nitrobenzene-d5	7.40	82	83744	11.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	31996	15.73	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	169450	13.71	ng	-0.01
79) Terphenyl-d14	12.95	244	164994	11.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	12401	2.348	ng	Qvalue # 80
25) Isophorone	7.40	82	83744	7.220	ng	# 63
71) Phenanthrene	11.39	178	128468	7.993	ng	98
72) Anthracene	11.45	178	41682	2.603	ng	100
75) Fluoranthene	12.58	202	130658	7.579	ng	99
78) Pyrene	12.82	202	107459	5.814	ng	99
81) Benzo(a)anthracene	14.00	228	48079	3.064	ng	98
83) Chrysene	14.04	228	39565	2.641	ng	95
88) Benzo(b)fluoranthene	15.06	252	44917	3.799	ng	# 73
89) Benzo(k)fluoranthene	15.06	252	44917	3.966	ng	# 74
90) Benzo(a)pyrene	15.43	252	22226	2.089	ng	# 82

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

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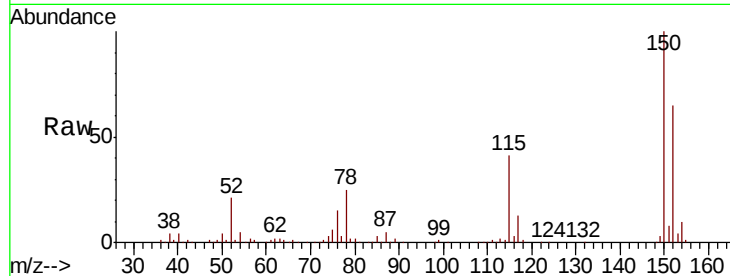


#1

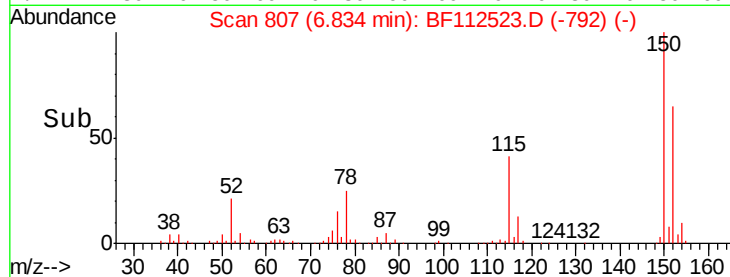
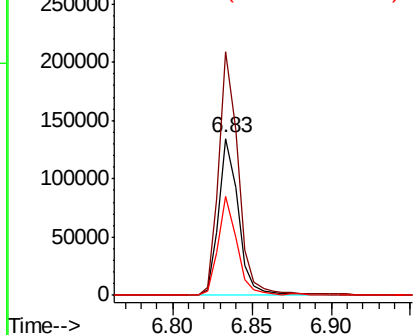
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112523.D
 Acq: 12 Feb 2019 22:50

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-E

Tgt Ion:152 Resp: 117077
 Ion Ratio Lower Upper
 152 100
 150 155.0 127.4 191.0
 115 63.2 45.5 68.3



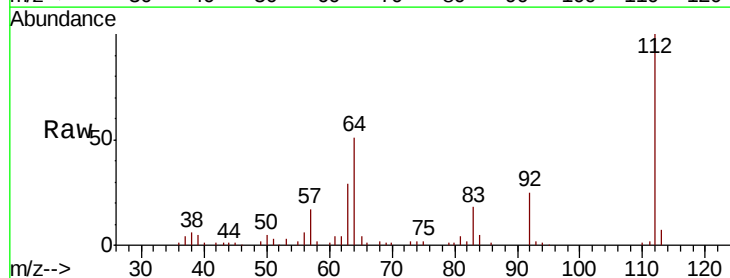
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



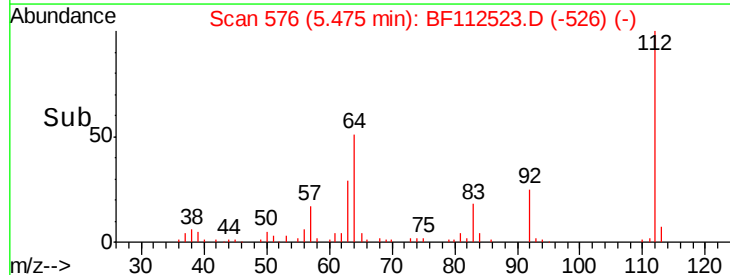
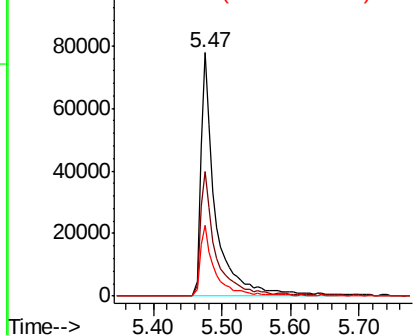
#5

2-Fluorophenol
 Concen: 21.268 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF112523.D
 Acq: 12 Feb 2019 22:50

Tgt Ion:112 Resp: 117227
 Ion Ratio Lower Upper
 112 100
 64 51.3 45.7 68.5
 63 29.1 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: 18.631 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

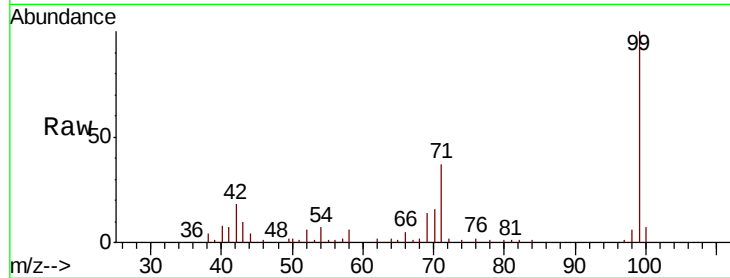
Tgt Ion: 99 Resp: 142700

Ion Ratio Lower Upper

99 100

42 18.3 15.1 22.7

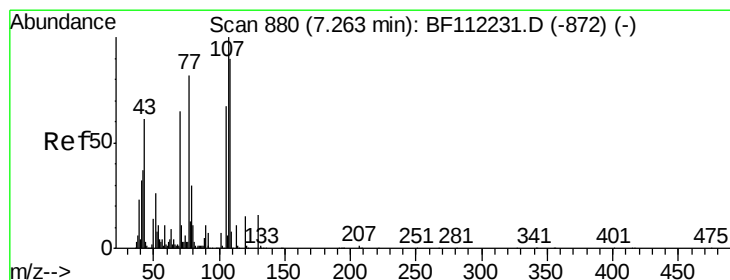
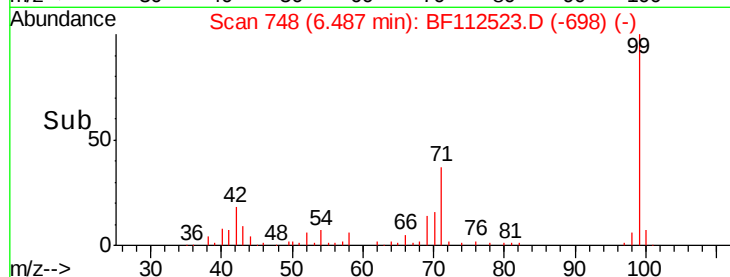
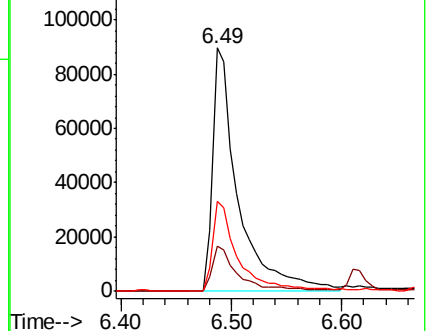
71 36.9 26.9 40.3



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: 2.348 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Tgt Ion: 70 Resp: 12401

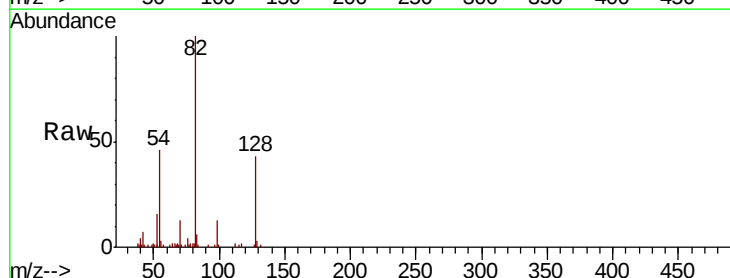
Ion Ratio Lower Upper

70 100

42 53.3 47.6 71.4

101 0.0 7.9 11.9#

130 0.0 18.4 27.6#

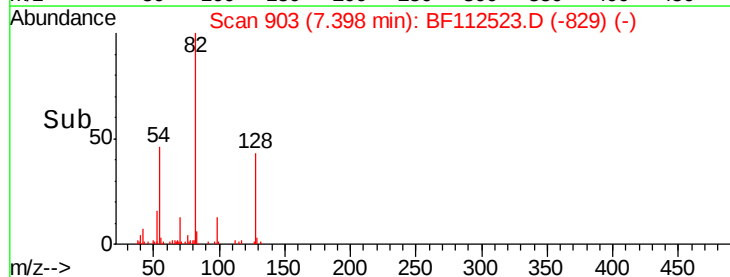
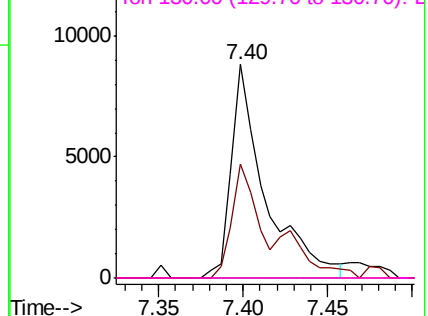


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

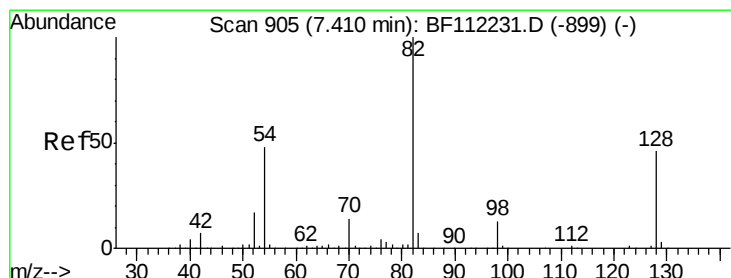
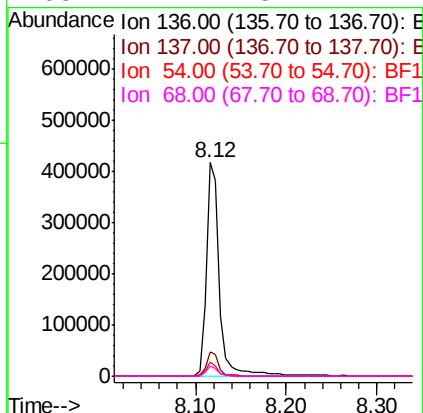
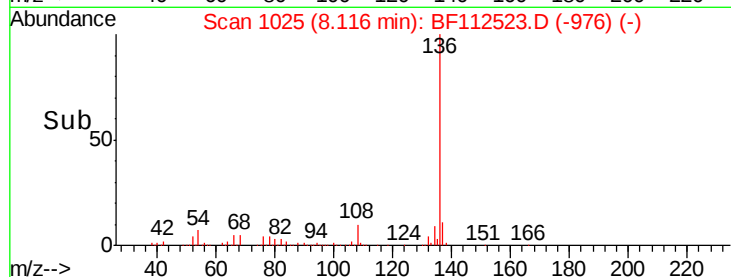
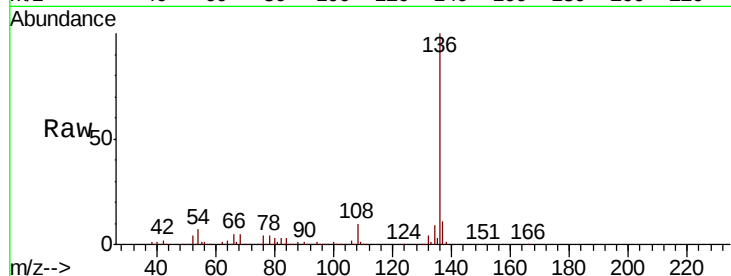




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

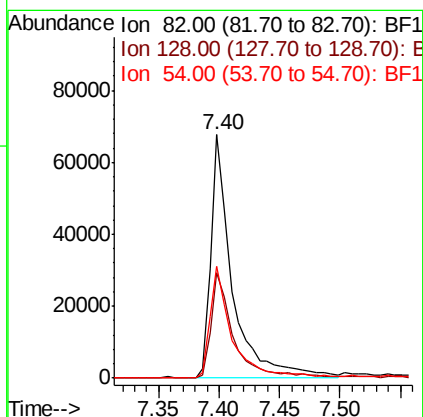
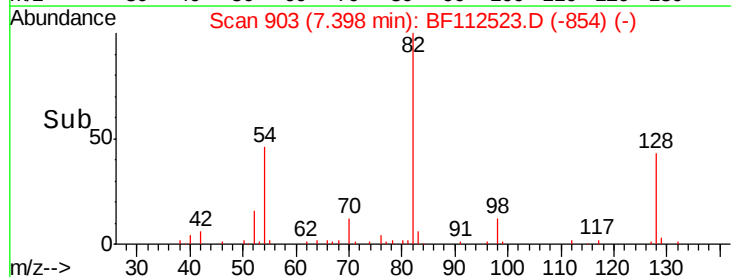
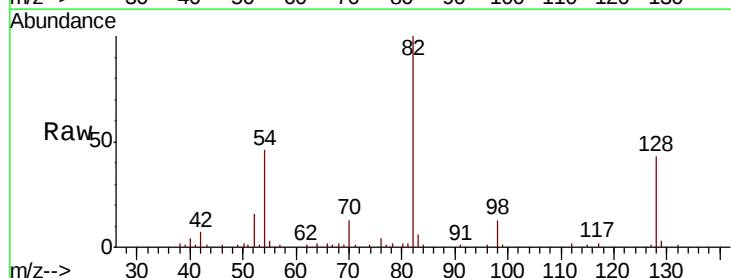
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

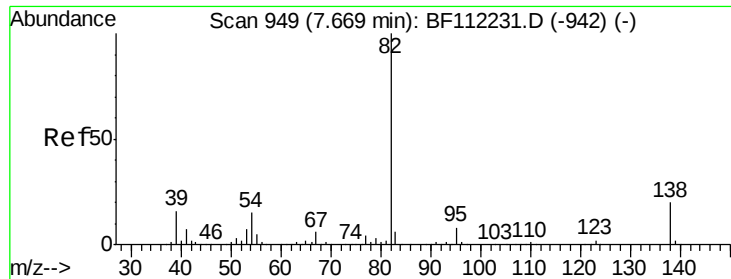
Tgt Ion: 136 Resp: 426039
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 6.6 5.9 8.9
68 4.7 5.1 7.7#



#23
Nitrobenzene-d5
Concen: 11.326 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

Tgt Ion: 82 Resp: 83744
Ion Ratio Lower Upper
82 100
128 43.2 37.8 56.8
54 45.8 39.7 59.5





#25

Isophorone

Concen: 7.220 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

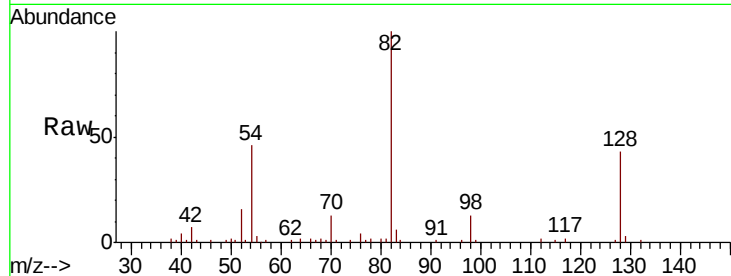
Tgt Ion: 82 Resp: 83744

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

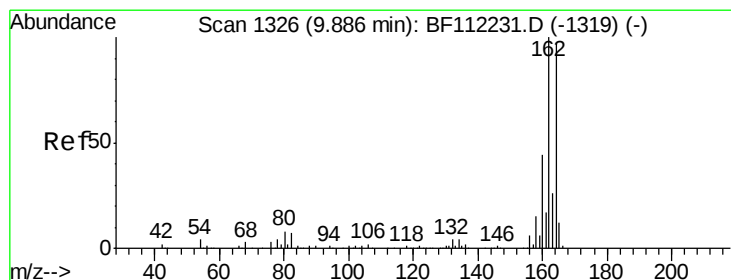
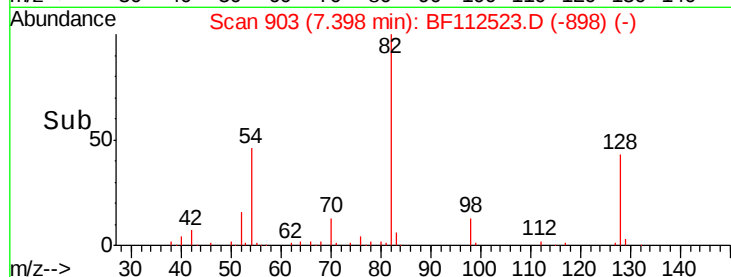
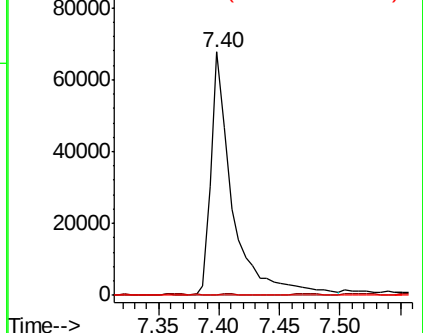
138 0.0 15.4 23.0#



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# 1324

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

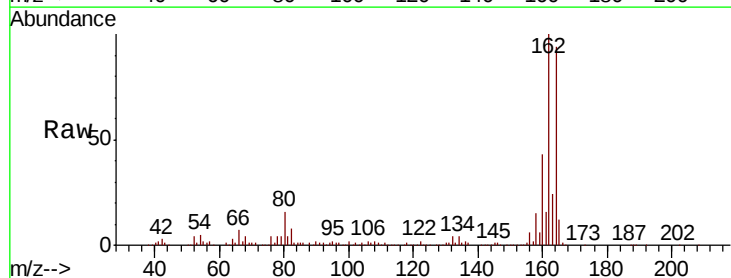
Tgt Ion: 164 Resp: 174777

Ion Ratio Lower Upper

164 100

162 106.5 82.2 123.4

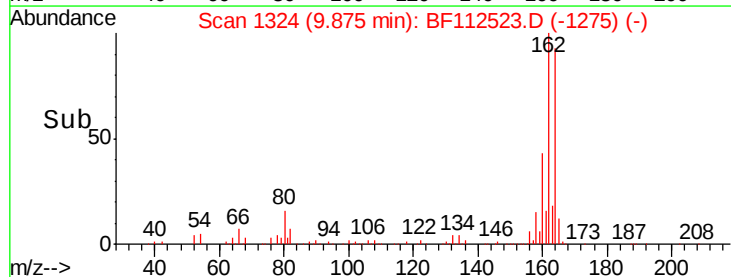
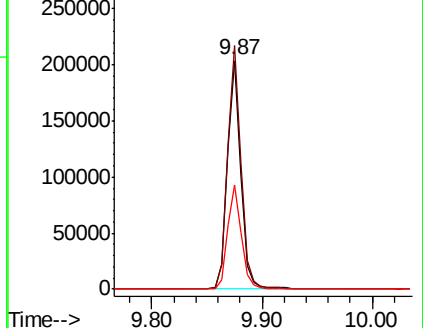
160 45.4 36.2 54.4



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: 15.728 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

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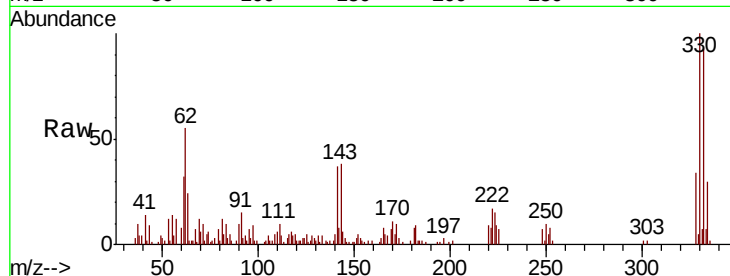
Tgt Ion:330 Resp: 31996

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

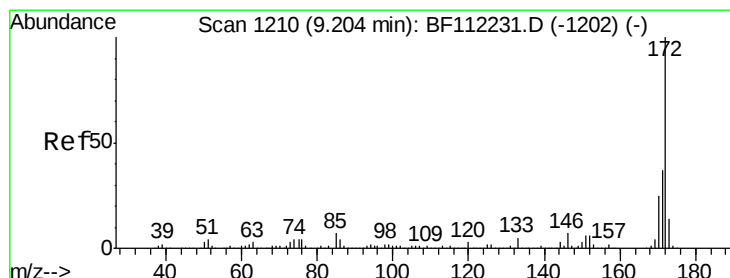
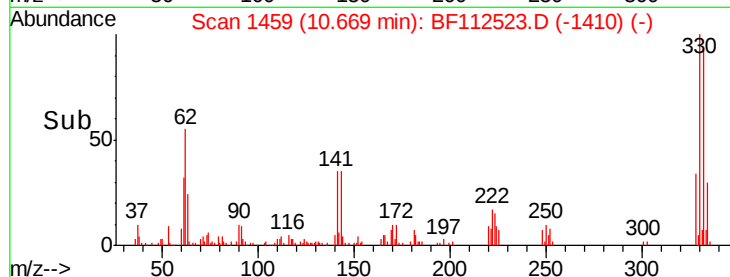
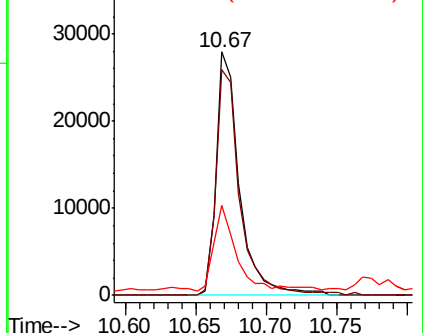
141 32.0 24.3 36.5



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: 13.712 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

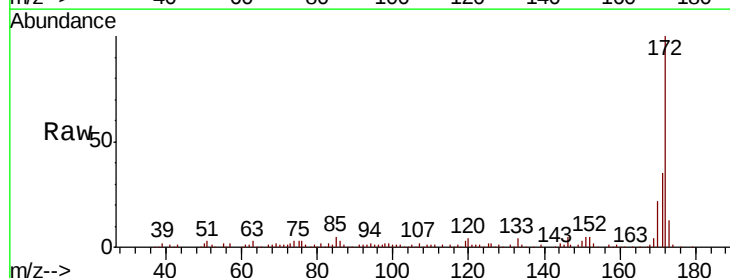
Tgt Ion:172 Resp: 169450

Ion Ratio Lower Upper

172 100

171 34.7 30.5 45.7

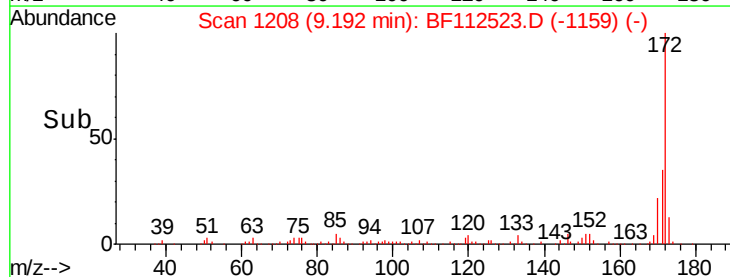
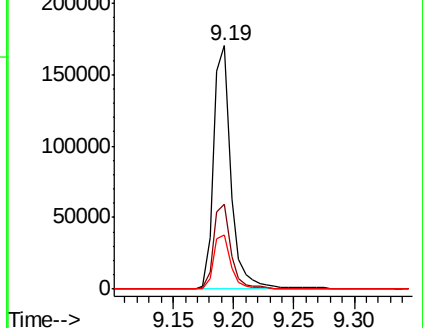
170 22.5 20.2 30.4



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

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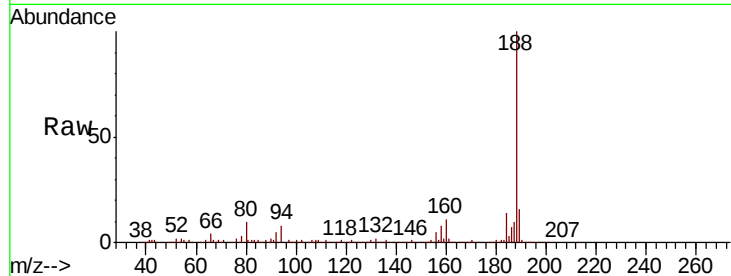
Tgt Ion:188 Resp: 309161

Ion Ratio Lower Upper

188 100

94 8.2 8.2 12.2

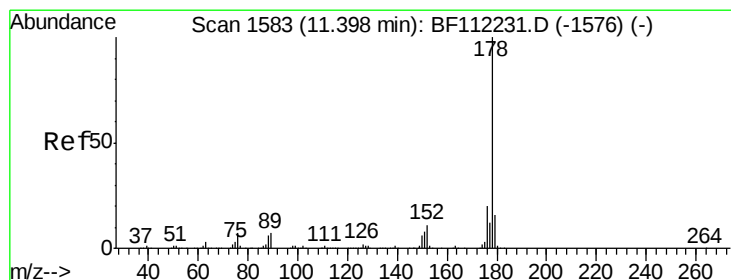
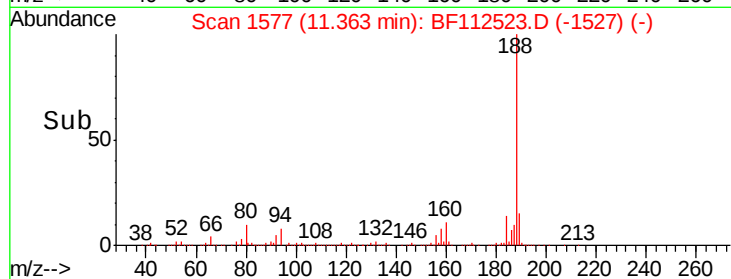
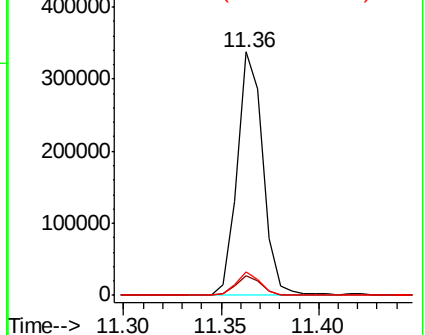
80 9.7 8.9 13.3



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



#71

Phenanthrene

Concen: 7.993 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

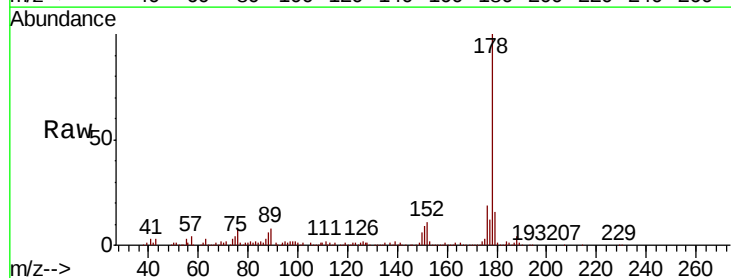
Tgt Ion:178 Resp: 128468

Ion Ratio Lower Upper

178 100

176 18.8 16.3 24.5

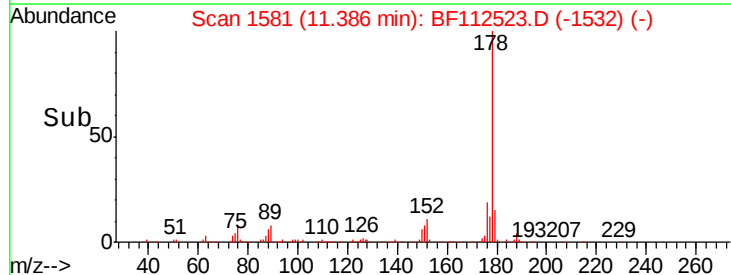
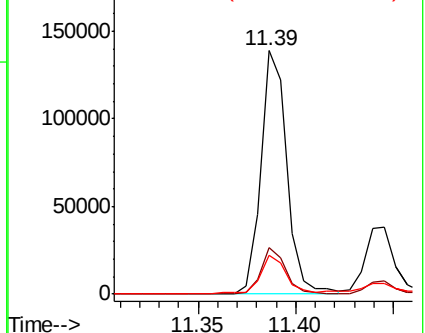
179 15.8 13.0 19.4

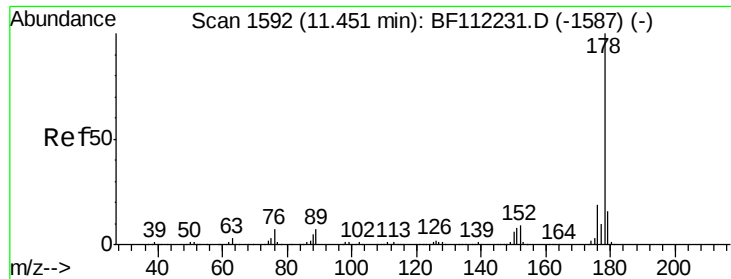


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.603 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

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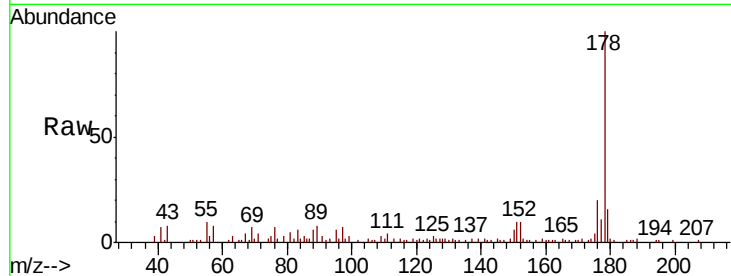
Tgt Ion:178 Resp: 41682

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

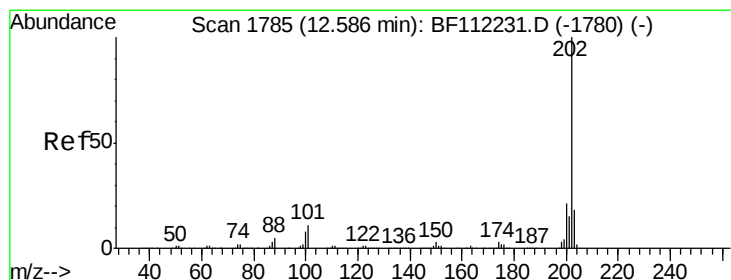
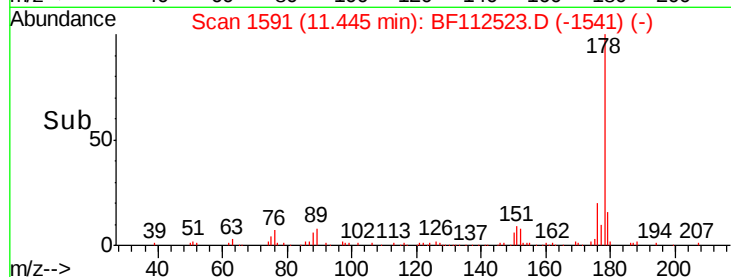
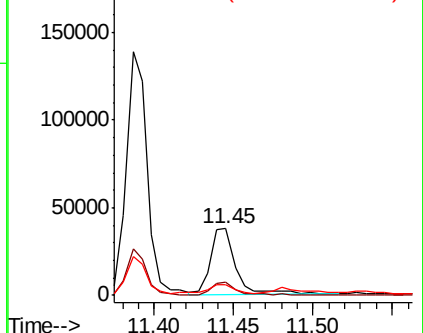
179 16.1 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 7.579 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

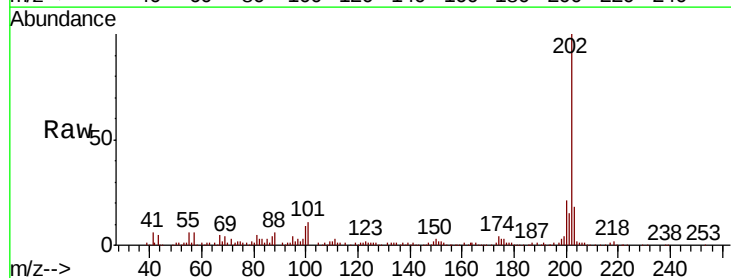
Tgt Ion:202 Resp: 130658

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.8

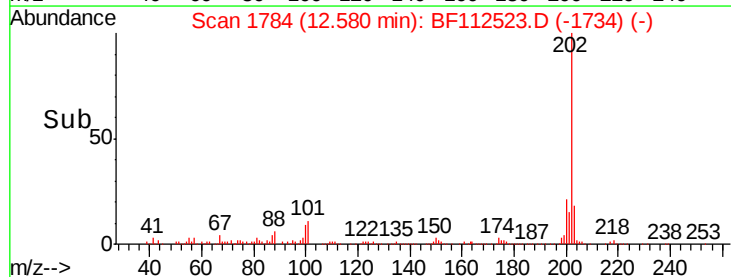
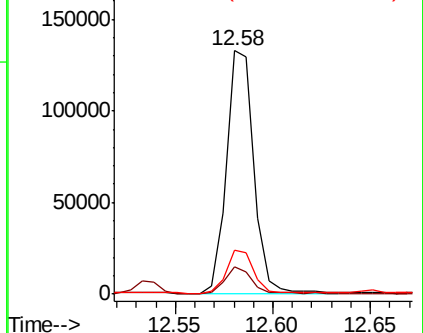
203 18.1 0.0 38.4

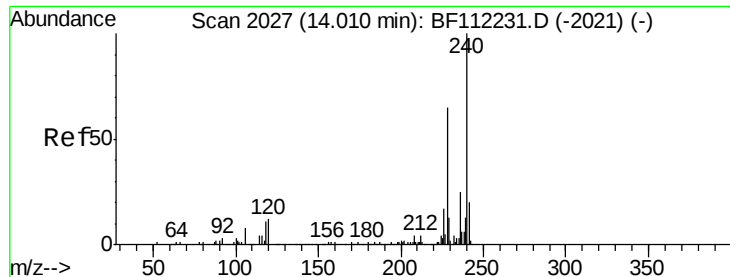


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

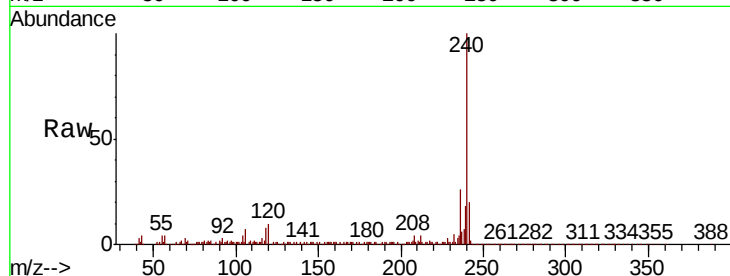




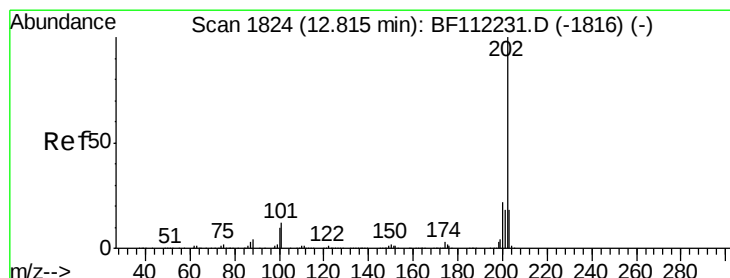
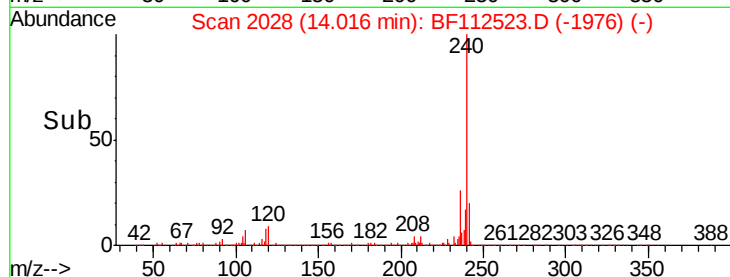
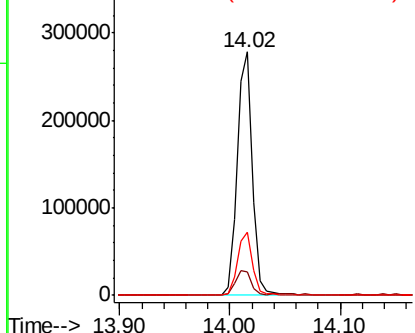
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

Tgt Ion:240 Resp: 266962
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.6
236 26.0 20.7 31.1

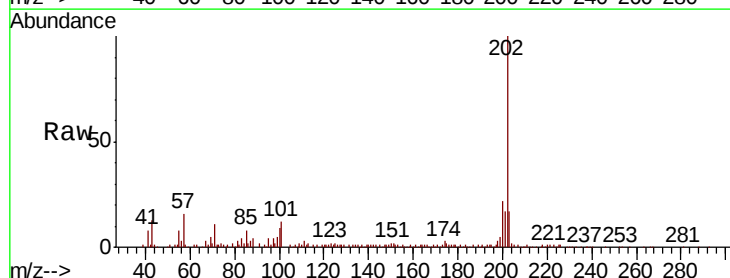


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

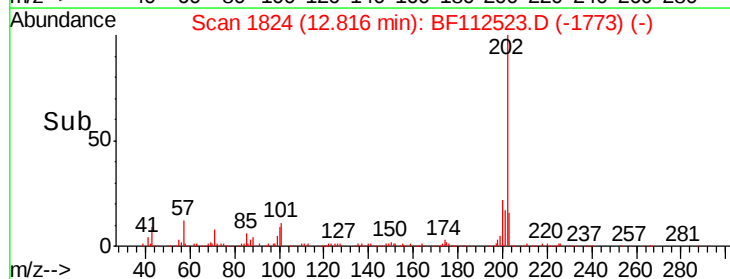
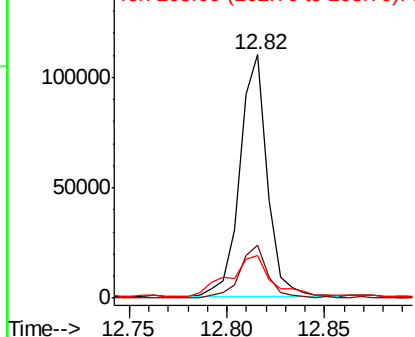


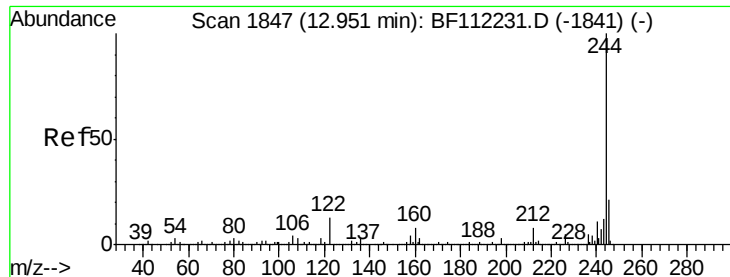
#78
Pyrene
Concen: 5.814 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

Tgt Ion:202 Resp: 107459
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 17.3 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: 11.641 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

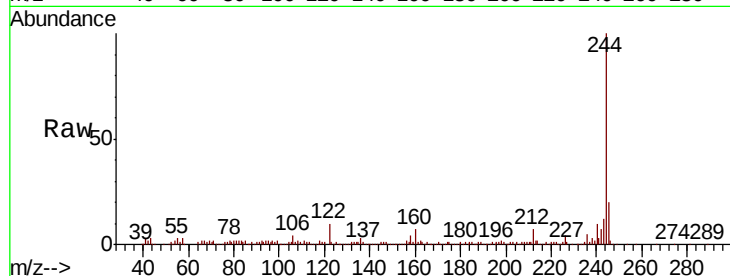
Tgt Ion:244 Resp: 164994

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

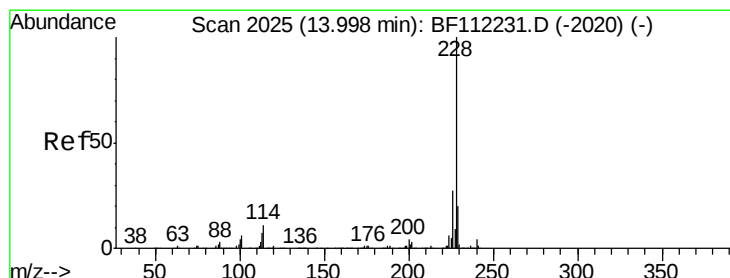
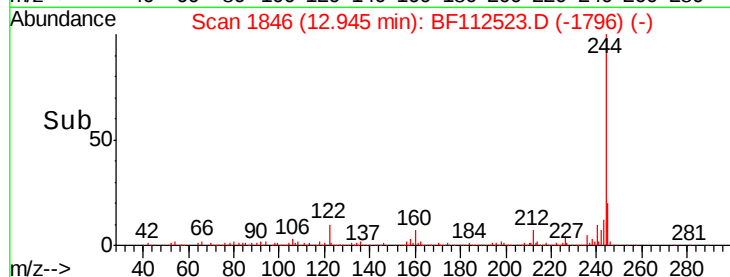
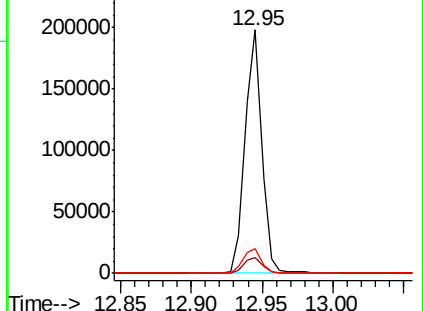
122 10.3 9.8 14.6



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



#81

Benzo(a)anthracene

Concen: 3.064 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

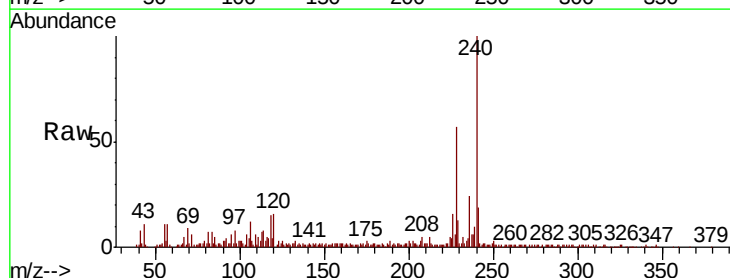
Tgt Ion:228 Resp: 48079

Ion Ratio Lower Upper

228 100

226 28.8 22.6 34.0

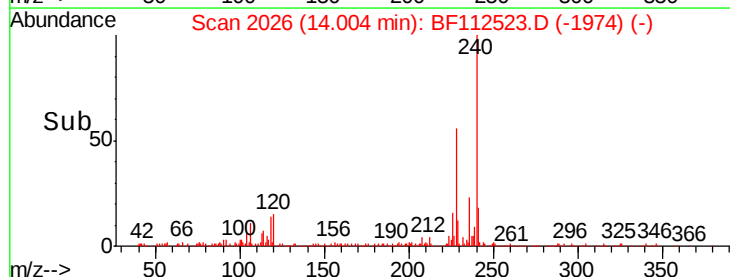
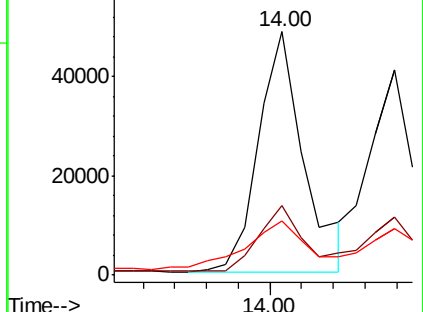
229 22.4 16.5 24.7

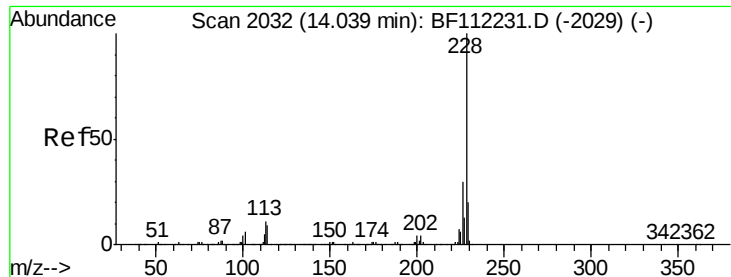


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.641 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

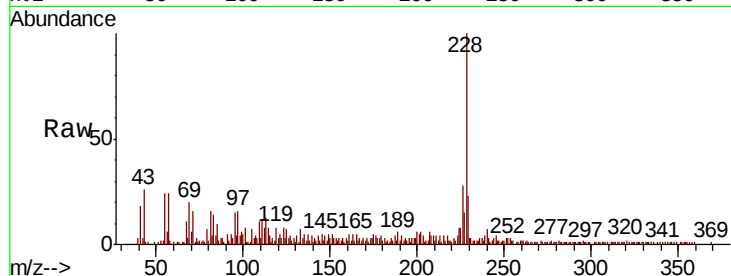
Tgt Ion:228 Resp: 39565

Ion Ratio Lower Upper

228 100

226 28.3 25.0 37.6

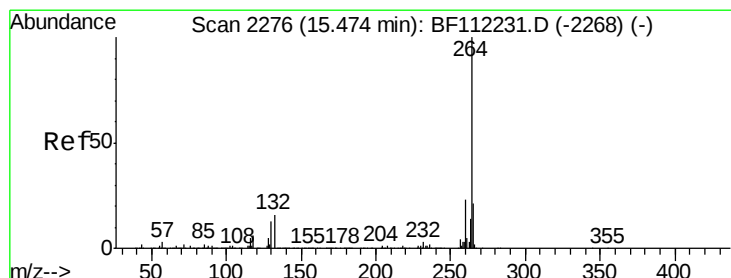
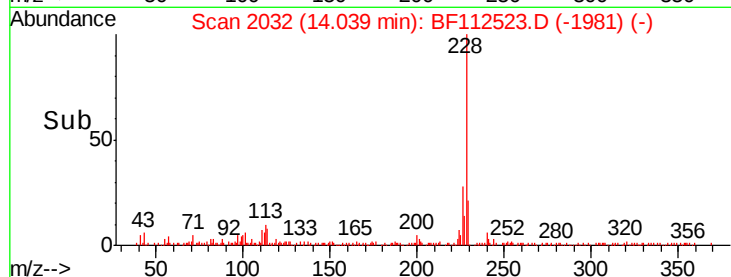
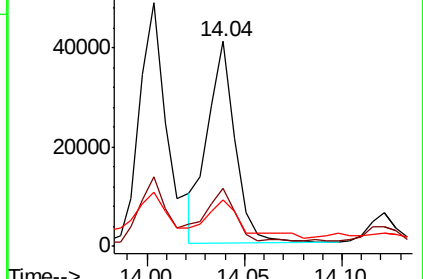
229 22.8 16.6 24.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

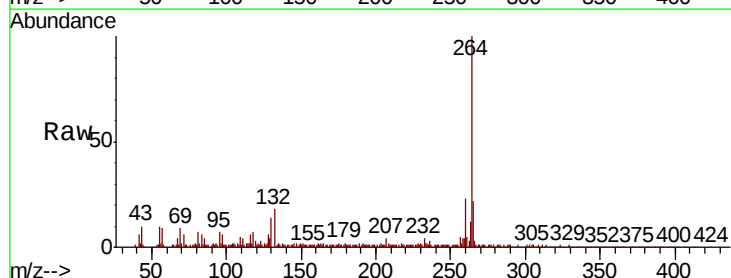
Tgt Ion:264 Resp: 197704

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

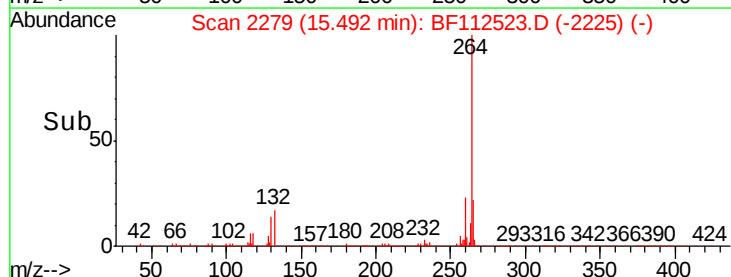
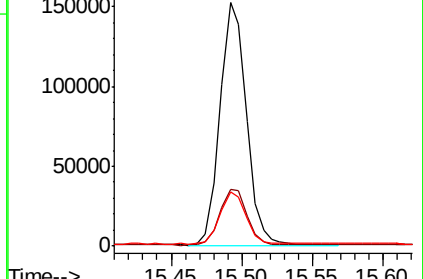
265 22.1 17.0 25.4

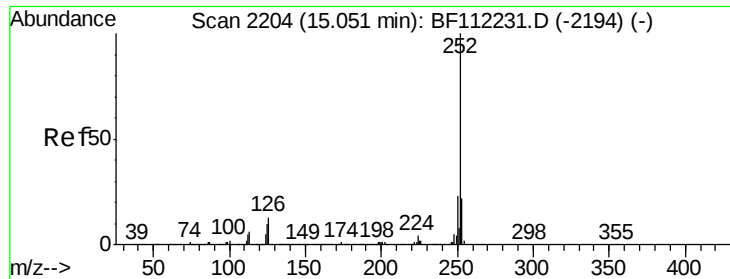


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

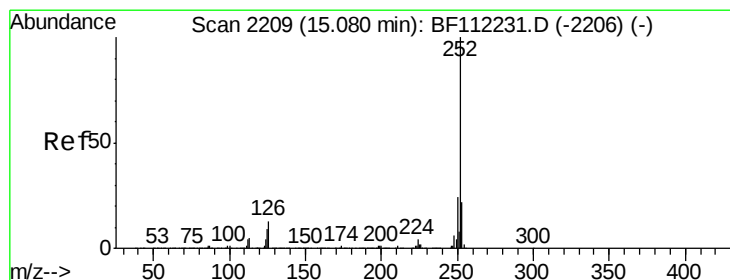
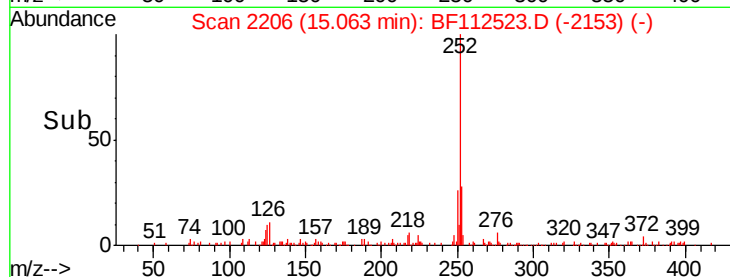
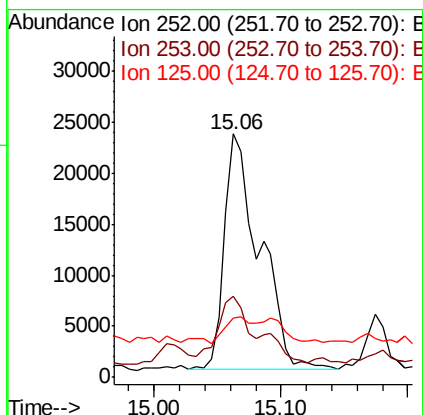
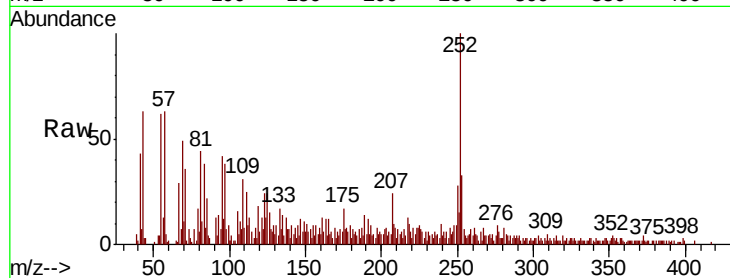




#88
 Benzo(b)fluoranthene
 Concen: 3.799 ng
 RT: 15.06 min Scan# 2206
 Delta R.T. 0.01 min
 Lab File: BF112523.D
 Acq: 12 Feb 2019 22:50

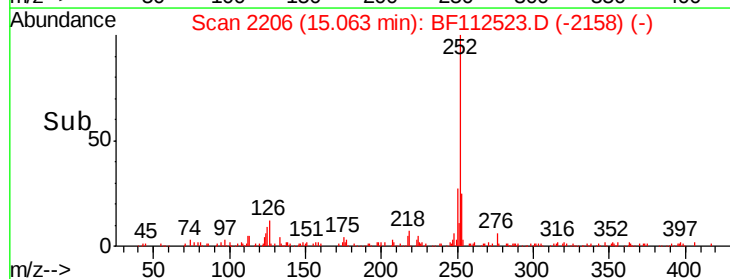
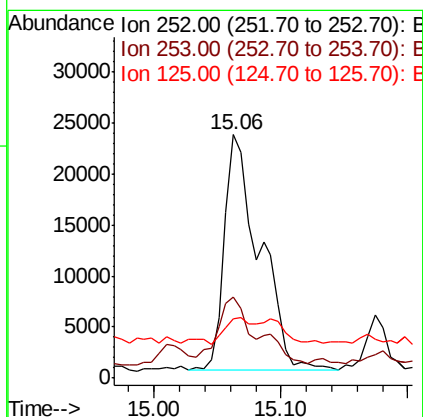
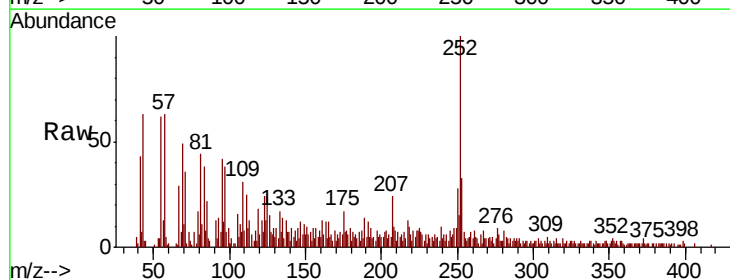
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-E

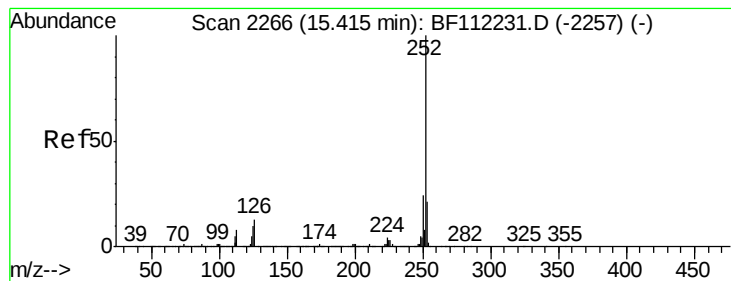
Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.4	18.0	27.0#
125	24.1	8.7	13.1#



#89
 Benzo(k)fluoranthene
 Concen: 3.966 ng
 RT: 15.06 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BF112523.D
 Acq: 12 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.4	18.0	27.0#
125	24.1	9.1	13.7#





#90

Benzo(a)pyrene

Concen: 2.089 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.02 min

Lab File: BF112523.D

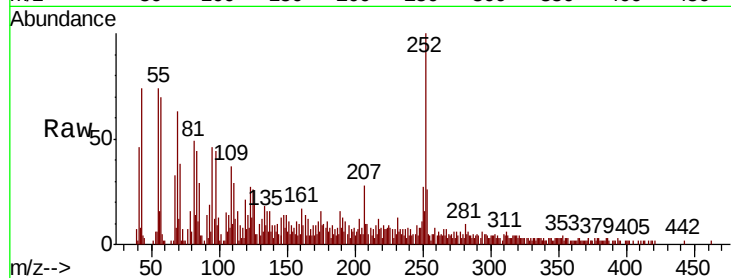
Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E



Tgt Ion:	252	Resp:	22226
Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	25.8	9.0	13.4

