

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081120\
 Data File : BF121252.D
 Acq On : 11 Aug 2020 21:25
 Operator : JU/CG
 Sample : L3506-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080720

Quant Time: Aug 12 10:52:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	146984	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	581274	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	302884	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	610611	20.00	ng	0.00
76) Chrysene-d12	13.96	240	431556	20.00	ng	0.00
86) Perylene-d12	15.42	264	415423	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	372132	41.50	ng	-0.01
7) Phenol-d6	6.43	99	463393	40.01	ng	-0.02
23) Nitrobenzene-d5	7.36	82	297702	29.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	140697	42.44	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	634167	31.26	ng	-0.01
79) Terphenyl-d14	12.90	244	674476	33.97	ng	0.00

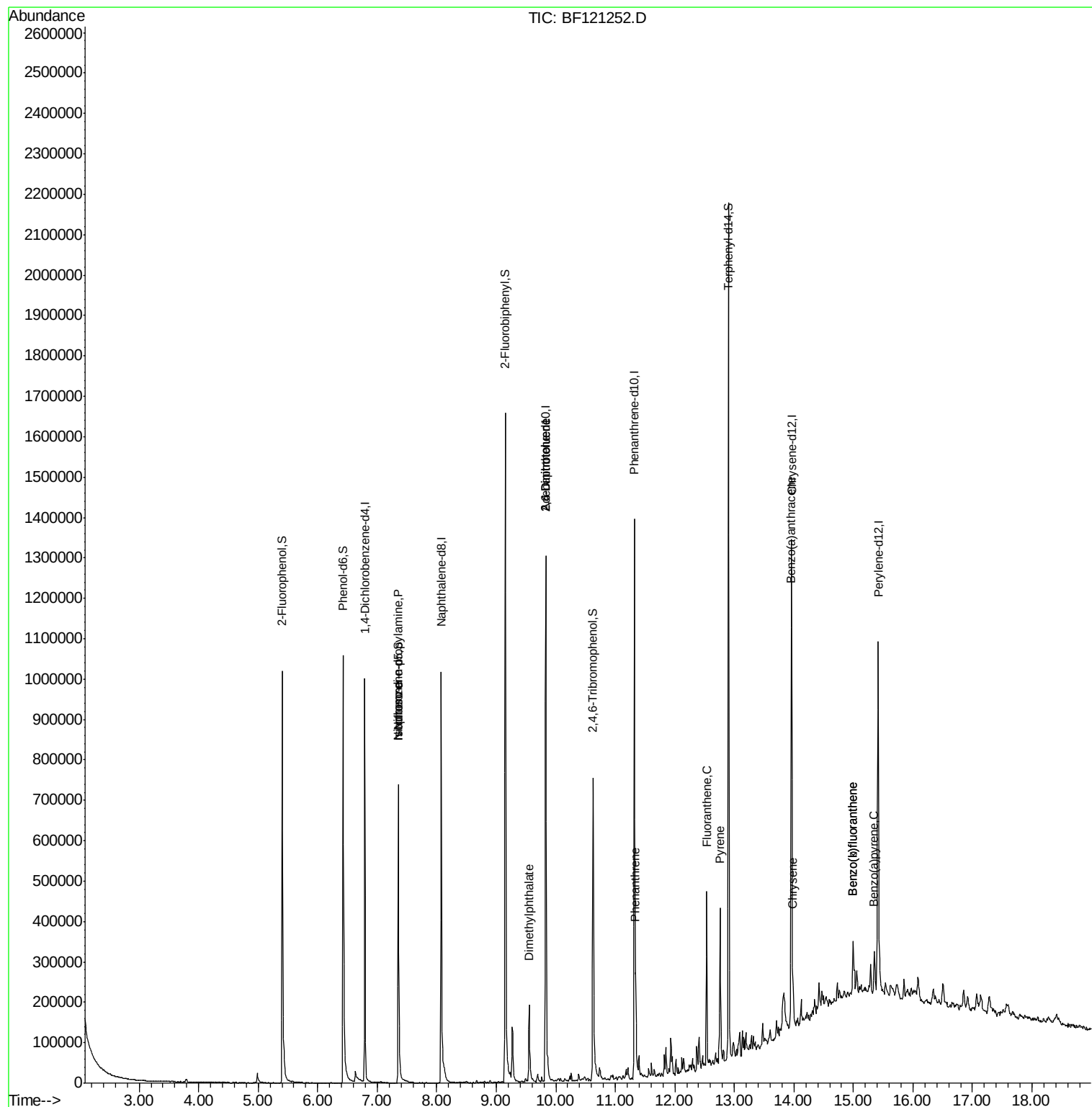
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	553	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	38079	5.782	ng	# 79
25) Isophorone	7.36	82	297698	14.849	ng	# 62
50) Dimethylphthalate	9.55	163	115798	5.299	ng	100
51) 2,6-Dinitrotoluene	9.83	165	38813	8.268	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	39200	6.359	ng	# 29
71) Phenanthrene	11.35	178	92238	2.937	ng	97
75) Fluoranthene	12.53	202	170112	4.887	ng	98
78) Pyrene	12.76	202	163627	5.363	ng	99
81) Benzo(a)anthracene	13.95	228	66481	2.544	ng	97
83) Chrysene	13.99	228	63364	2.307	ng	96
88) Benzo(b)fluoranthene	14.99	252	94906	3.779	ng	# 96
89) Benzo(k)fluoranthene	14.99	252	94906	4.144	ng	# 96
90) Benzo(a)pyrene	15.35	252	53192	2.322	ng	97

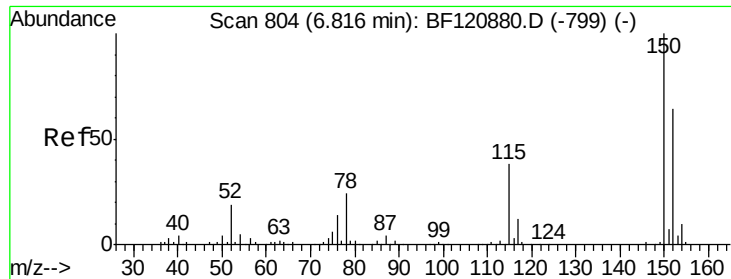
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

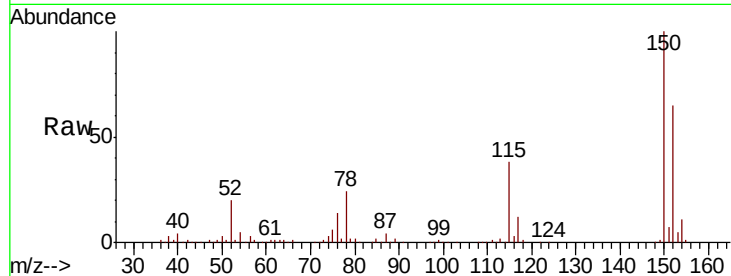
Tot Ion:152 Resp: 146984

Ion Ratio Lower Upper

152 100

150 154.7 125.6 188.4

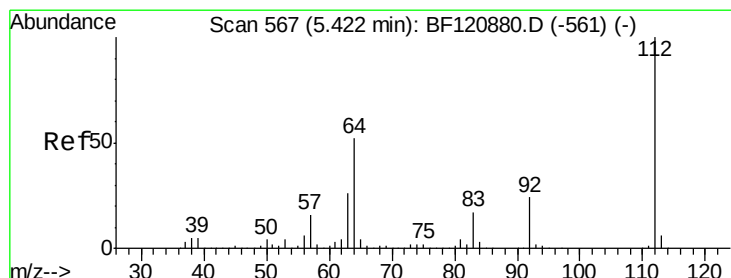
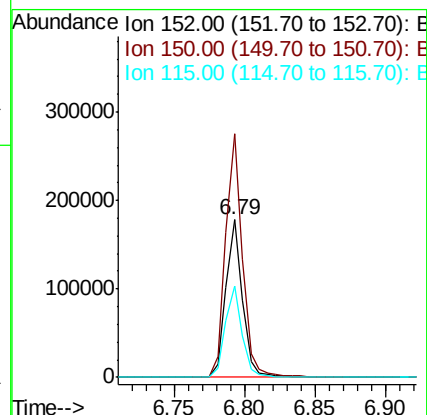
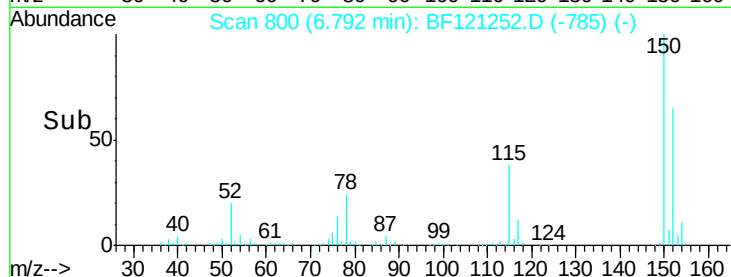
115 58.2 46.2 69.2



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: 41.505 ng

RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

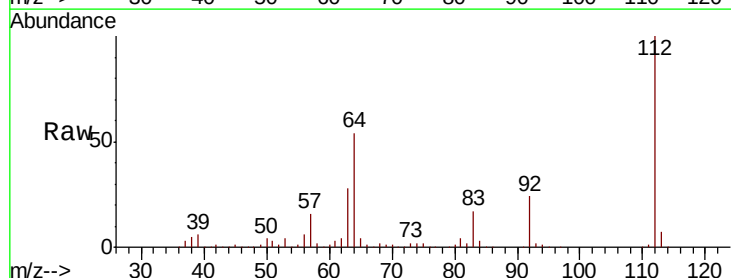
Tgt Ion:112 Resp: 372132

Ion Ratio Lower Upper

112 100

64 54.0 43.9 65.9

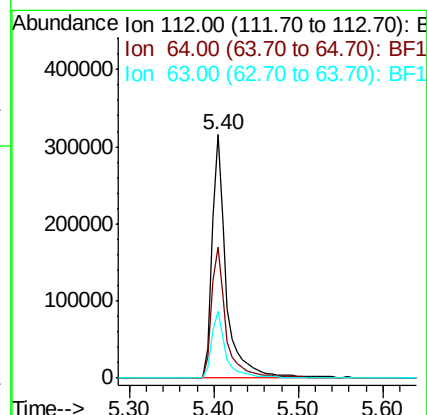
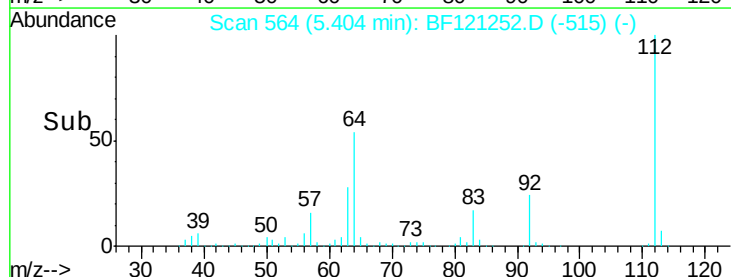
63 27.7 22.7 34.1

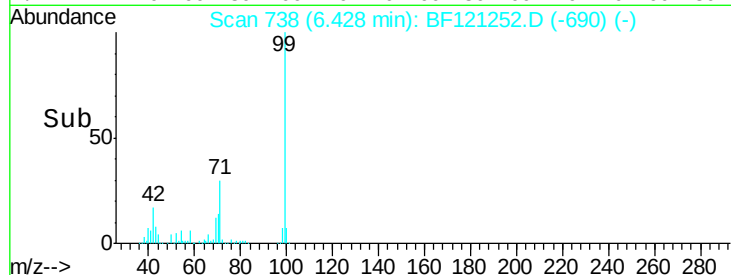
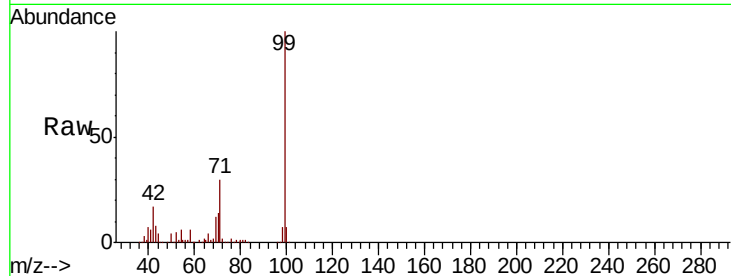
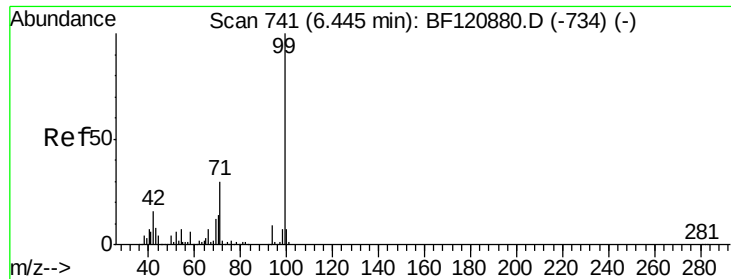


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 40.011 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

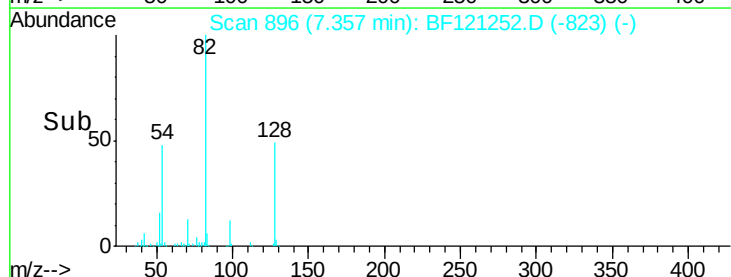
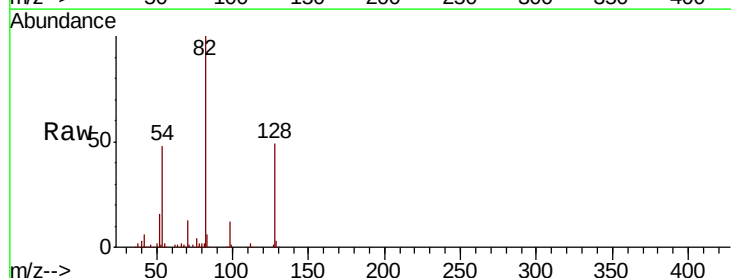
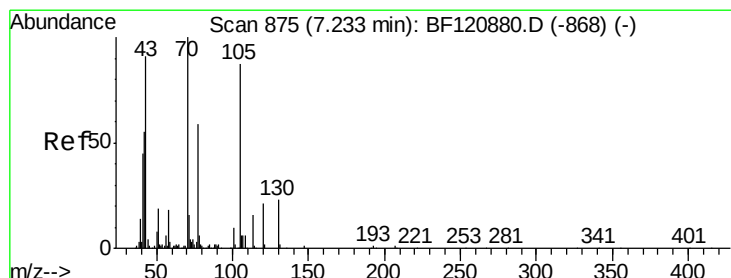
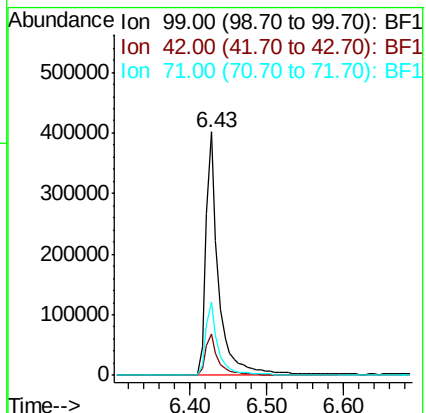
Tot Ion: 99 Resp: 463393

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 30.3 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.782 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

Tgt Ion: 70 Resp: 38079

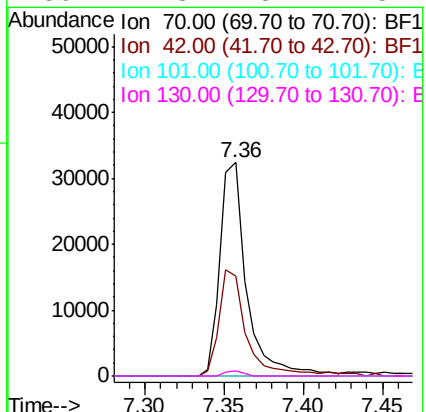
Ion Ratio Lower Upper

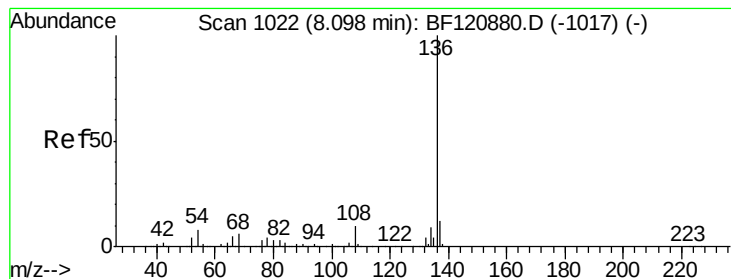
70 100

42 47.0 43.3 64.9

101 0.0 8.4 12.6#

130 2.3 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

Tot Ion:136 Resp: 581274

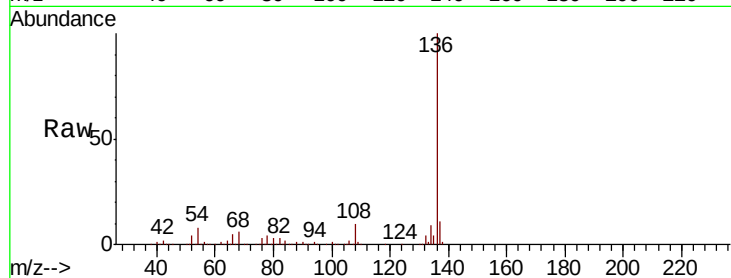
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.8 6.1 9.1

68 6.0 5.0 7.6

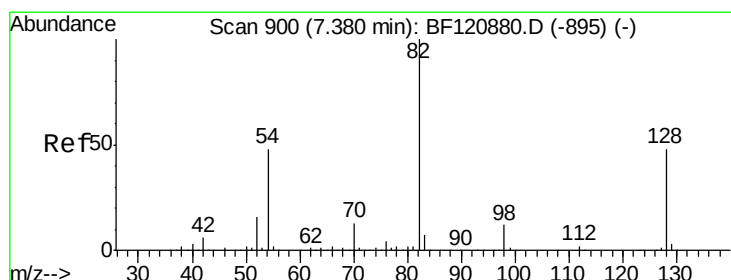
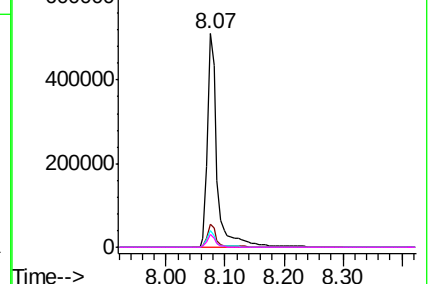
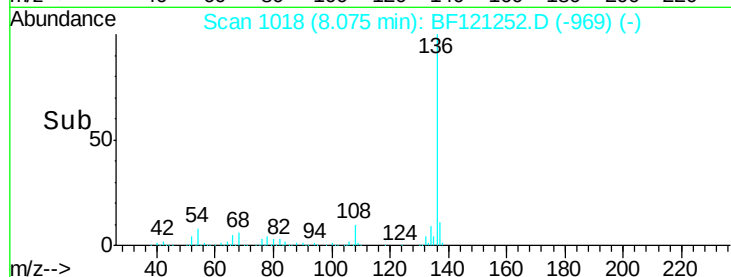


Abundance Ion 136.00 (135.70 to 136.70): E

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: 29.635 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

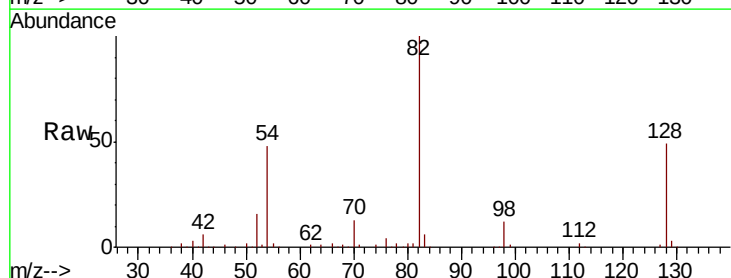
Tgt Ion: 82 Resp: 297702

Ion Ratio Lower Upper

82 100

128 49.1 39.2 58.8

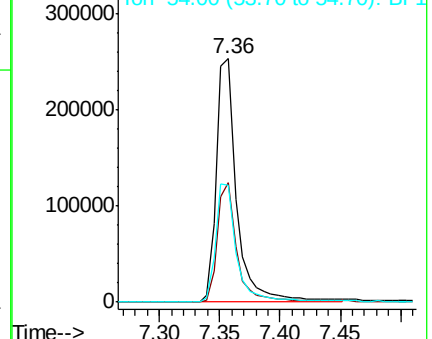
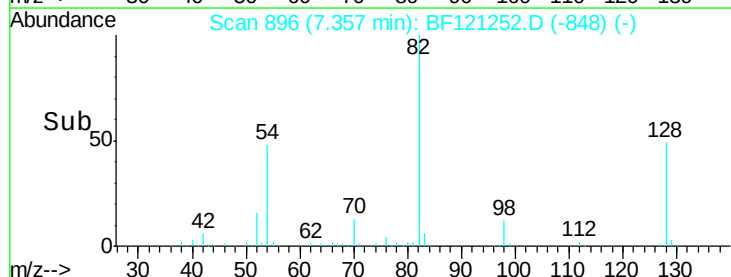
54 48.2 37.8 56.8

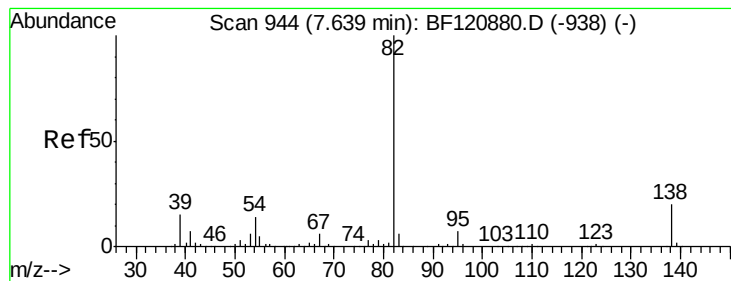


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.849 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

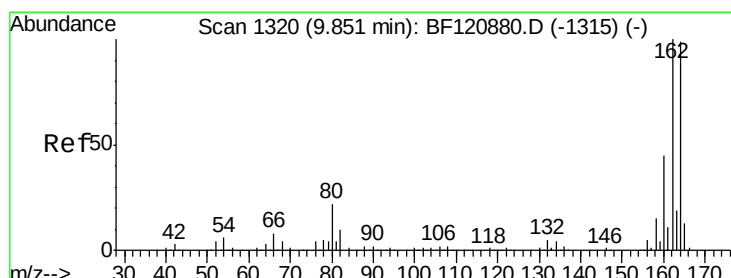
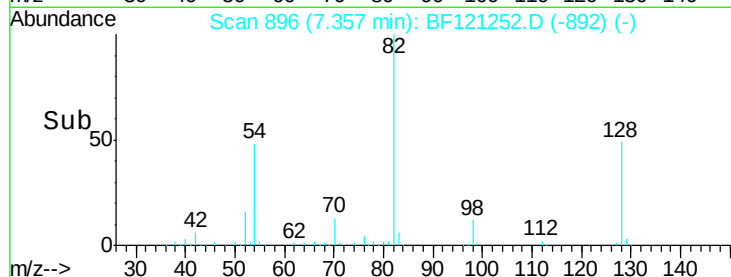
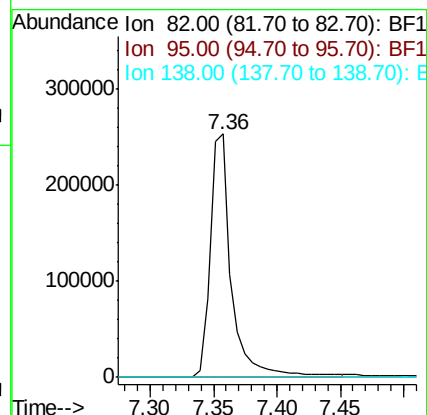
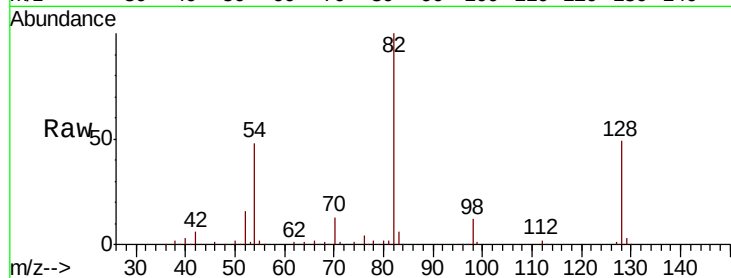
Tot Ion: 82 Resp: 297698

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 16.2 24.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

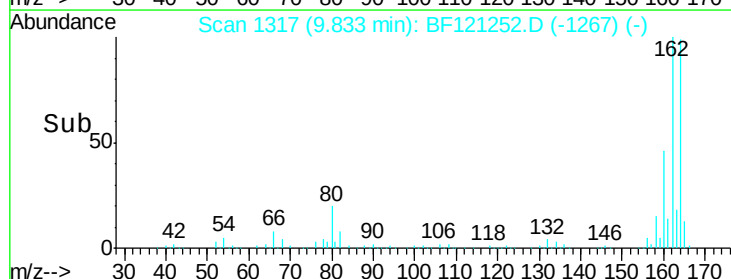
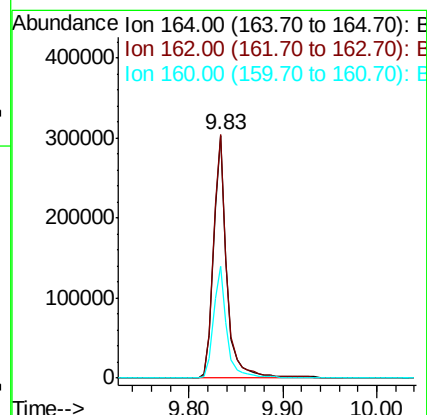
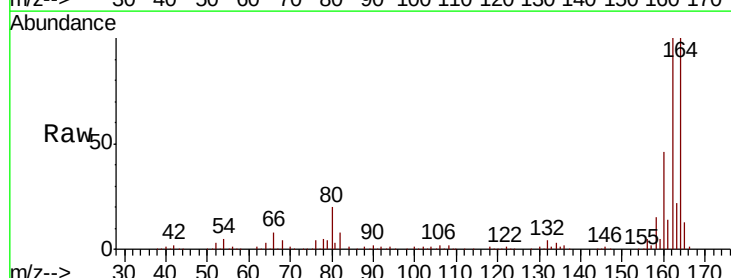
Tgt Ion: 164 Resp: 302884

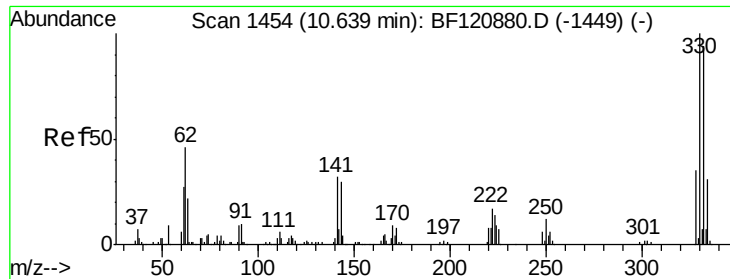
Ion Ratio Lower Upper

164 100

162 100.2 82.2 123.2

160 45.8 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 42.438 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

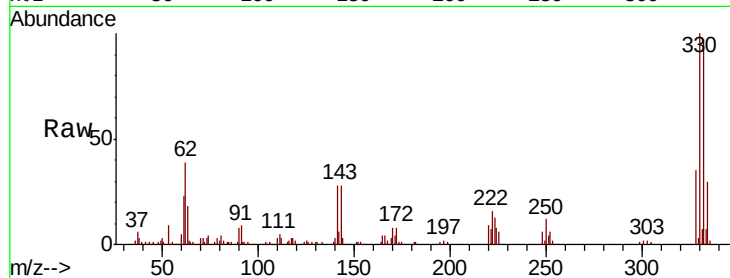
Tot Ion:330 Resp: 140697

Ion Ratio Lower Upper

330 100

332 97.3 76.1 114.1

141 31.1 24.1 36.1

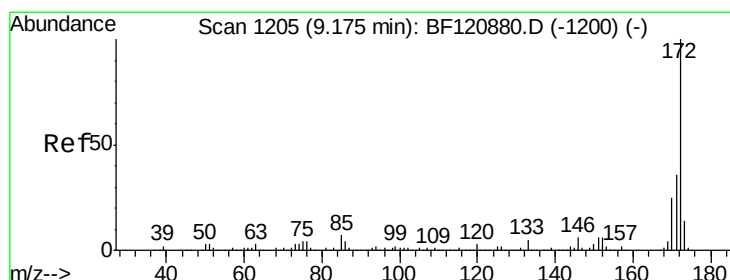
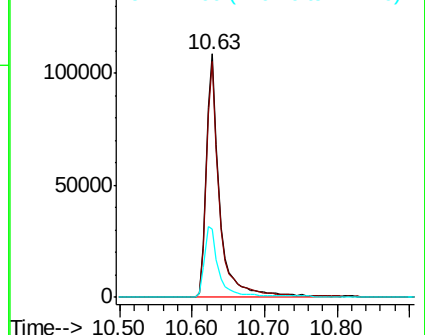
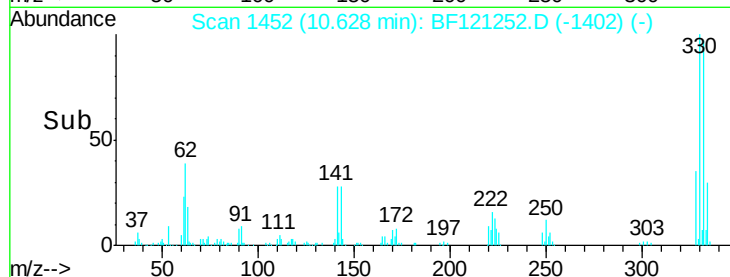


Abundance

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: 31.261 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

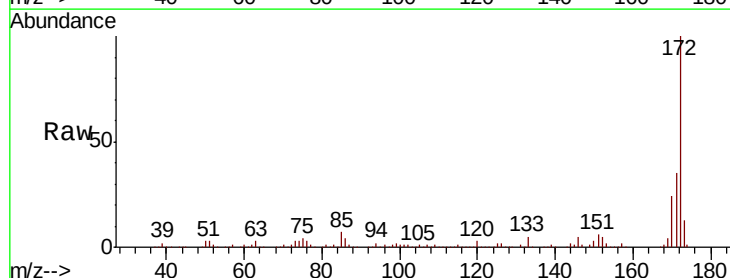
Tgt Ion:172 Resp: 634167

Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.4

170 24.0 19.6 29.4

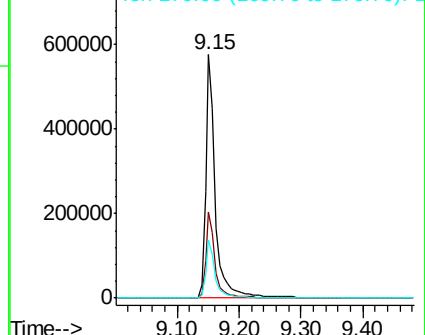
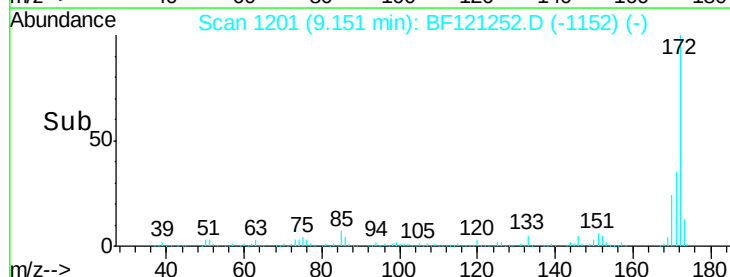


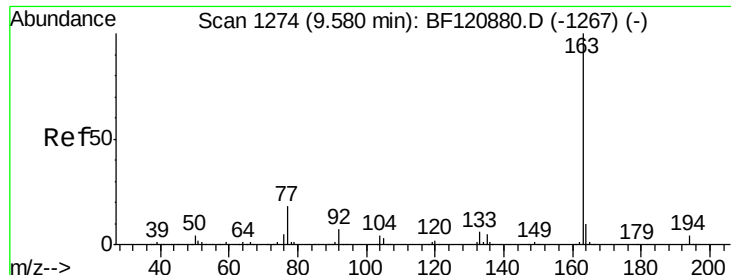
Abundance

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

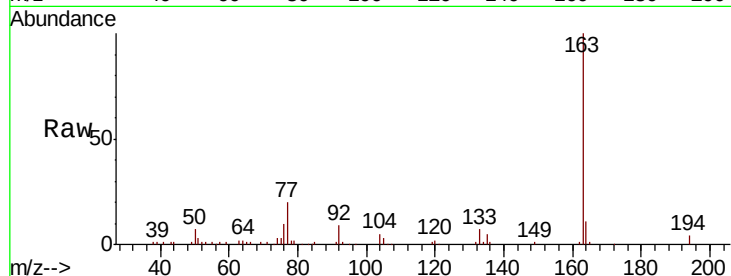




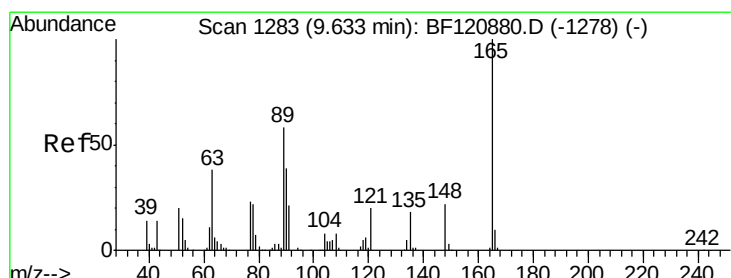
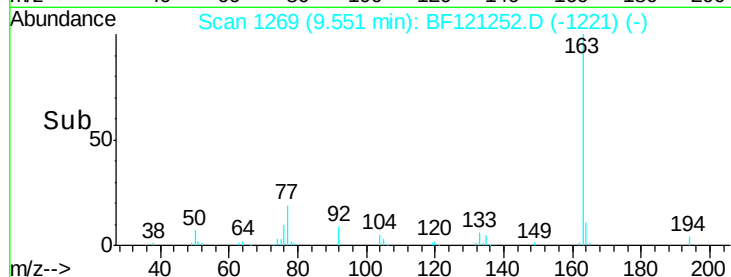
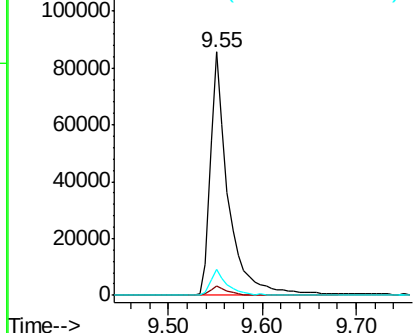
#50
Dimethylphthalate
Concen: 5.299 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121252.D
Acq: 11 Aug 2020 21:25

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Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.7	8.4	12.6

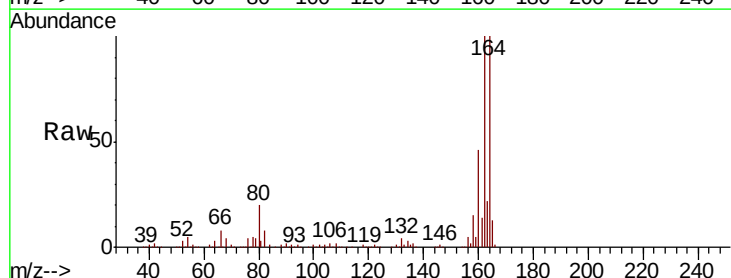


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

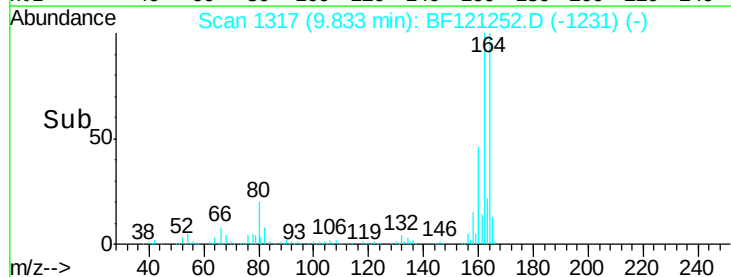
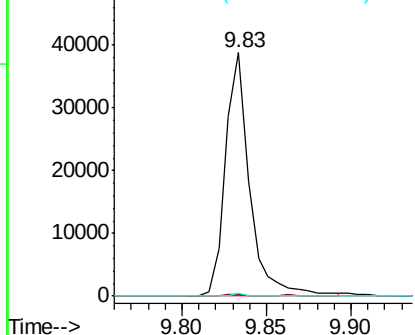


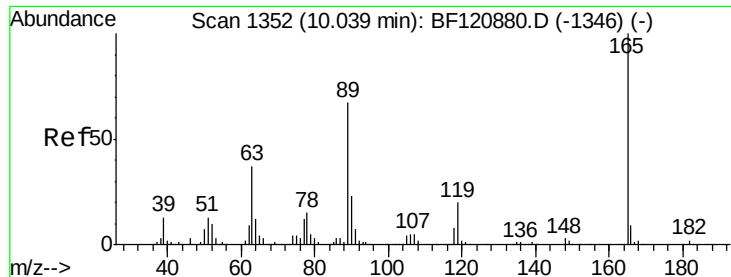
#51
2,6-Dinitrotoluene
Concen: 8.268 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.21 min
Lab File: BF121252.D
Acq: 11 Aug 2020 21:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	41.1	61.7#
89	1.1	43.5	65.3#



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

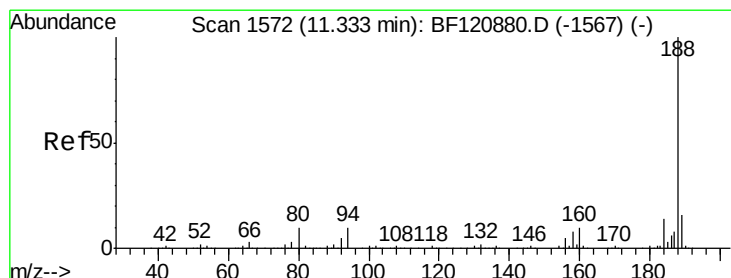
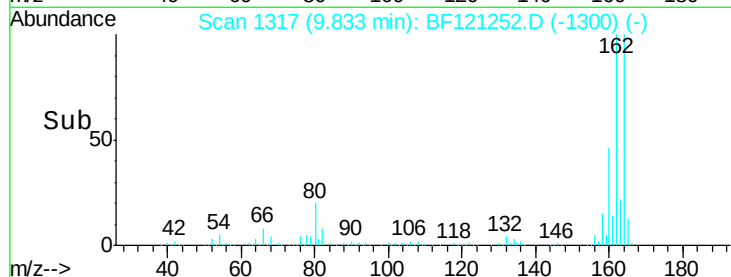
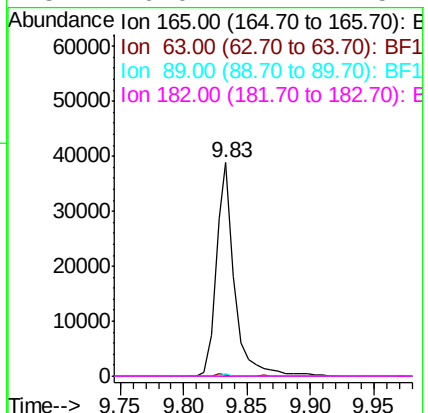
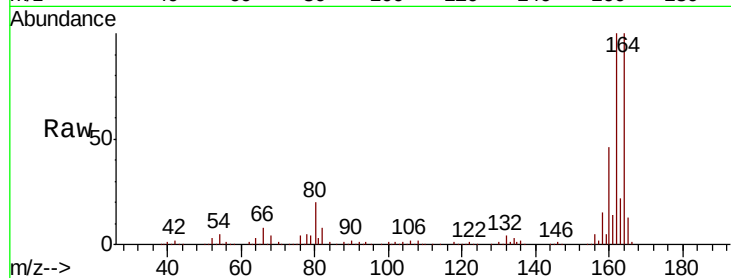




#57
 2,4-Dinitrotoluene
 Concen: 6.359 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.20 min
 Lab File: BF121252.D
 Acq: 11 Aug 2020 21:25

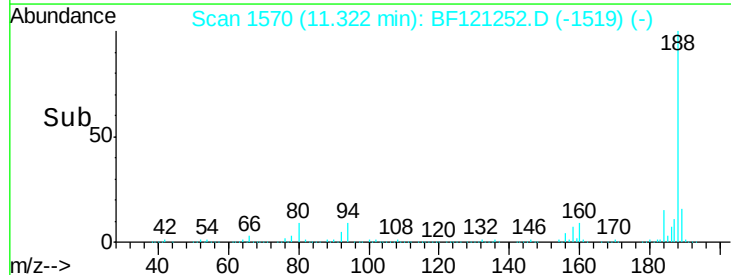
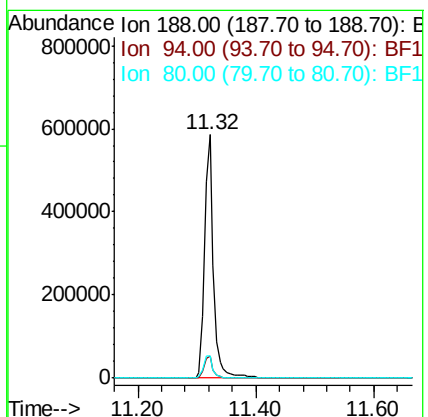
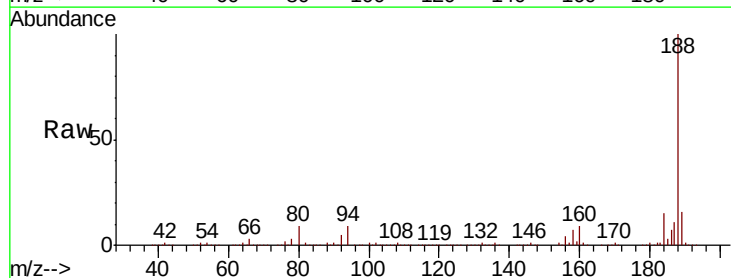
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080720

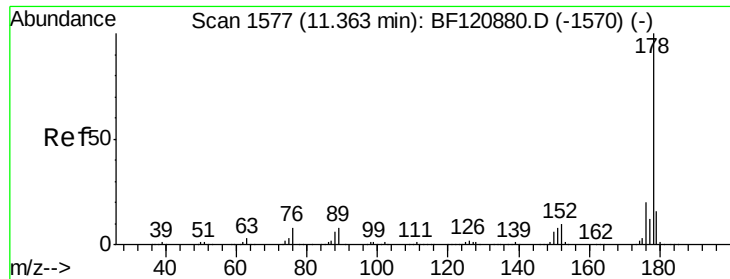
Tot Ion:165	Resp:	39200
Ion Ratio	Lower	Upper
165	100	
63	0.9	29.8 44.8#
89	1.1	50.3 75.5#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF121252.D
 Acq: 11 Aug 2020 21:25

Tgt Ion:188	Resp:	610611
Ion Ratio	Lower	Upper
188	100	
94	8.9	8.0 12.0
80	9.0	8.3 12.5

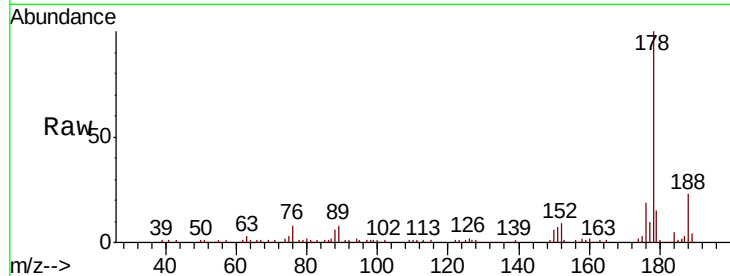




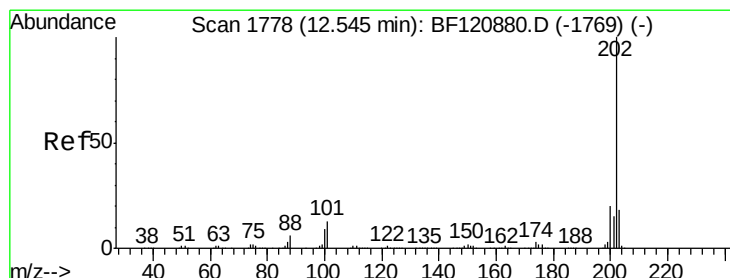
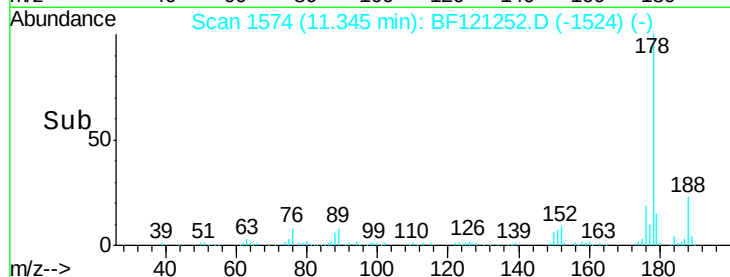
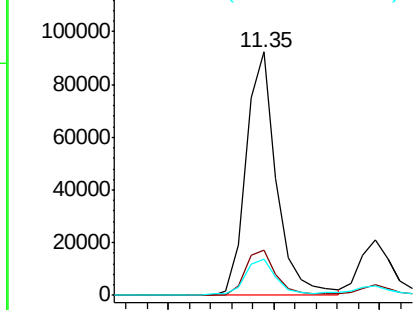
#71
Phenanthrene
Concen: 2.937 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121252.D
Acq: 11 Aug 2020 21:25

Instrument :
BNA_F
ClientSampleId :
OR-02-080720

Tot Ion:178 Resp: 92238
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 15.0 12.6 19.0

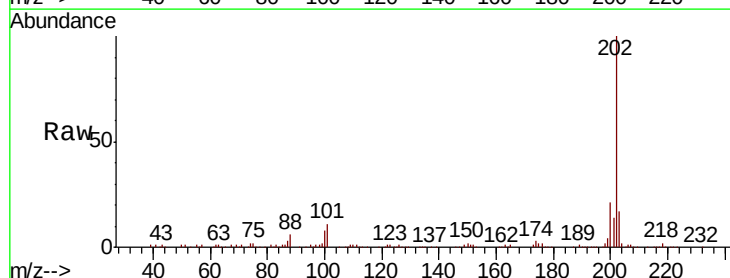


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

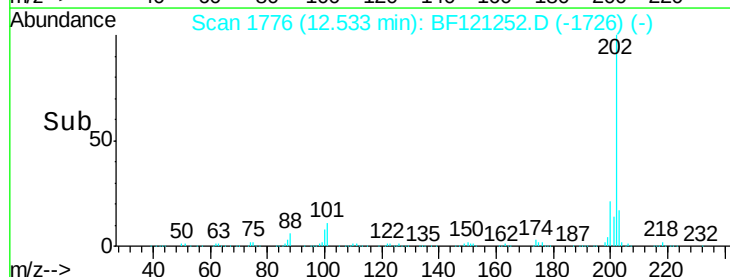
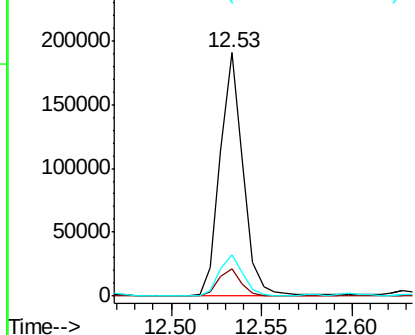


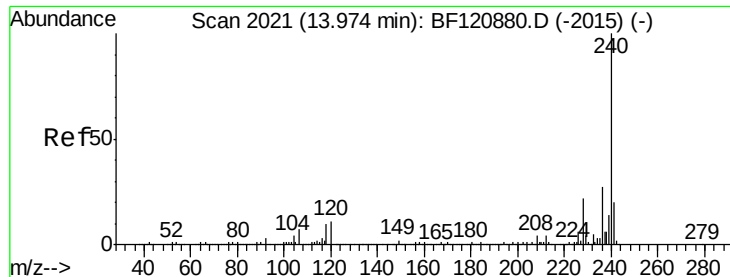
#75
Fluoranthene
Concen: 4.887 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF121252.D
Acq: 11 Aug 2020 21:25

Tgt Ion:202 Resp: 170112
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.5
203 17.2 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

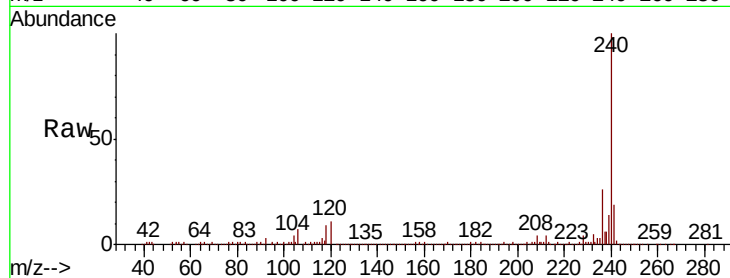
Tot Ion:240 Resp: 431556

Ion Ratio Lower Upper

240 100

120 11.0 9.3 13.9

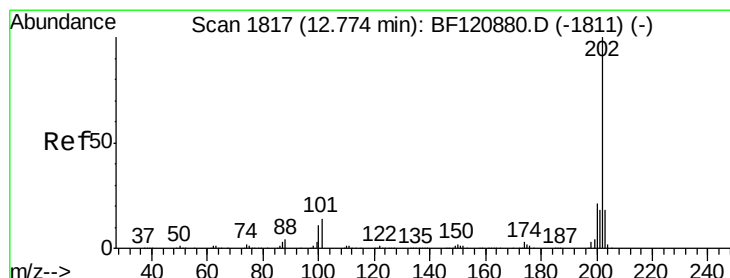
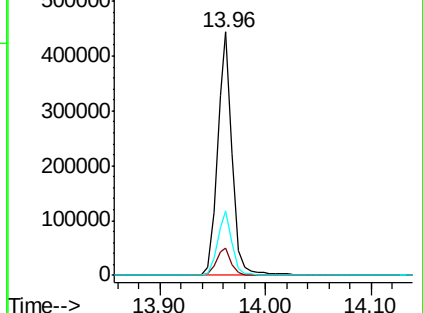
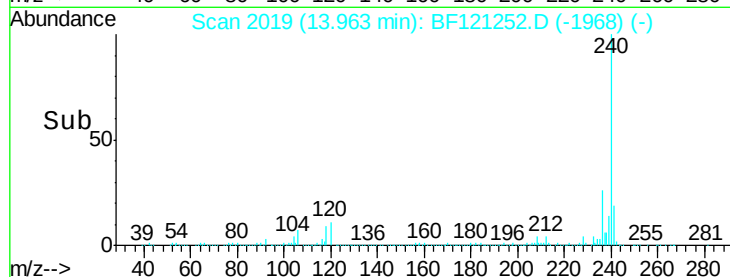
236 26.4 21.1 31.7



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: 5.363 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

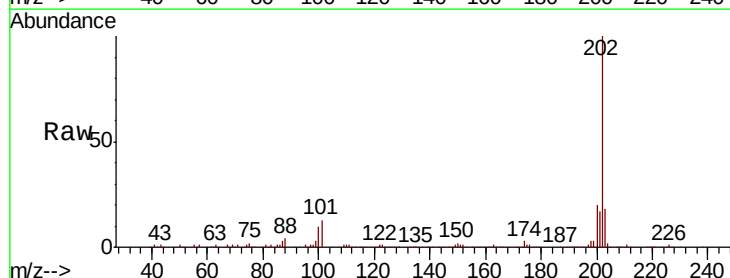
Tgt Ion:202 Resp: 163627

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

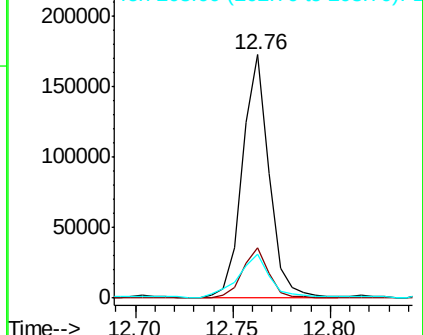
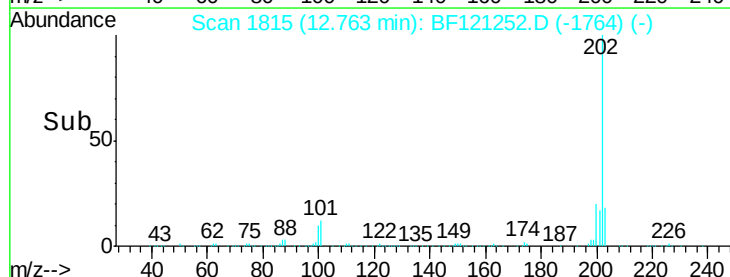
203 18.3 14.6 21.8

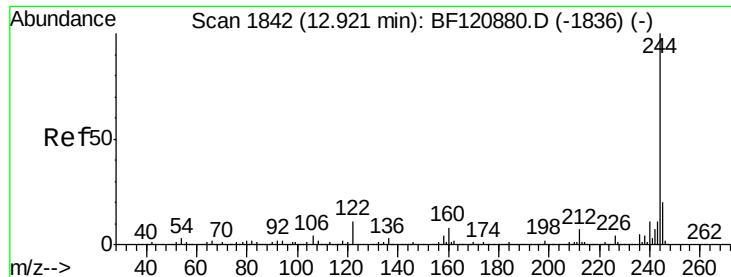


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

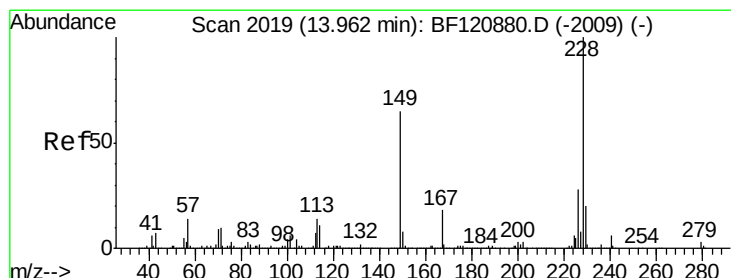
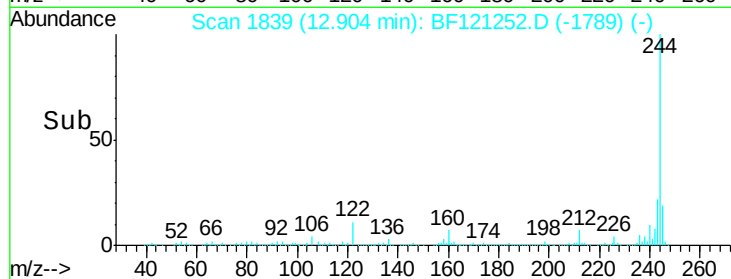
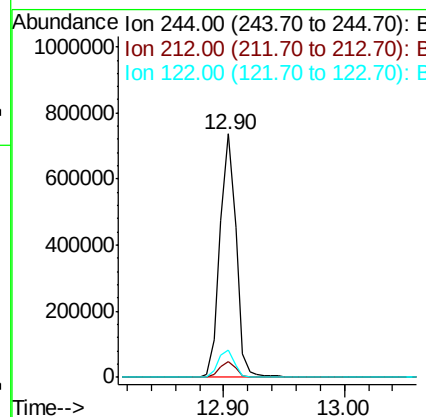
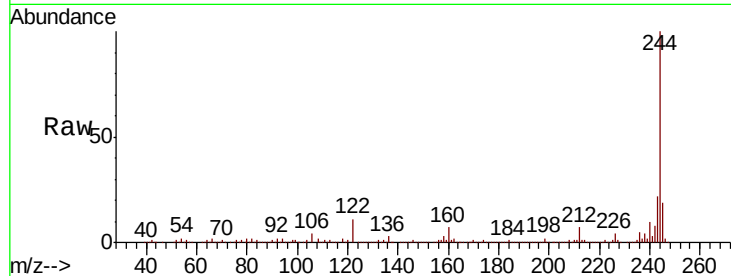




#79
 Terphenyl-d14
 Concen: 33.974 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF121252.D
 Acq: 11 Aug 2020 21:25

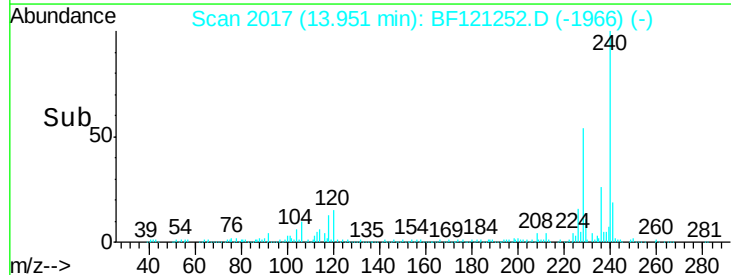
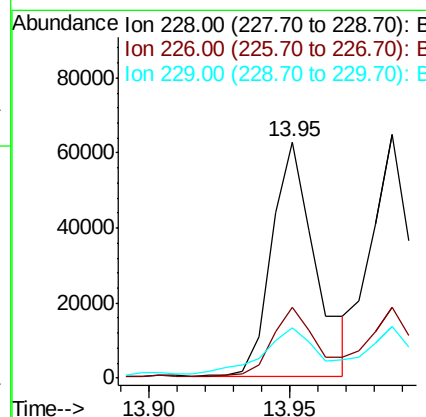
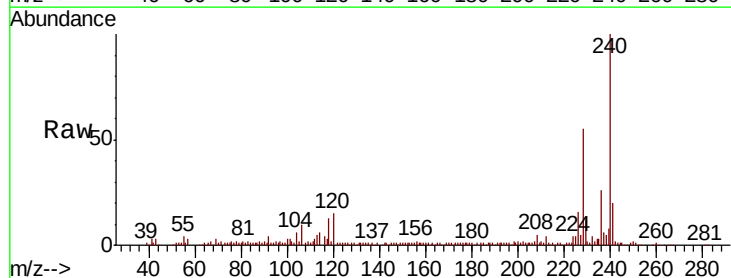
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080720

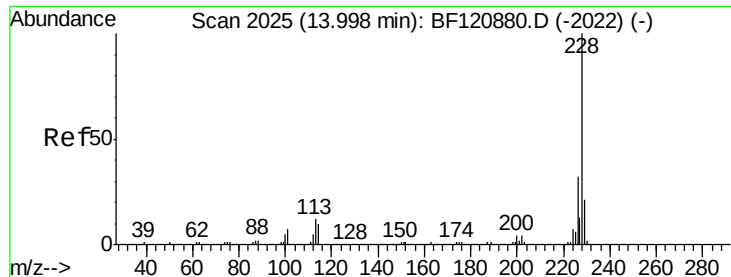
Tot Ion:244 Resp: 674476
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 11.5 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.544 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF121252.D
 Acq: 11 Aug 2020 21:25

Tgt Ion:228 Resp: 66481
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 34.0
 229 21.5 16.1 24.1

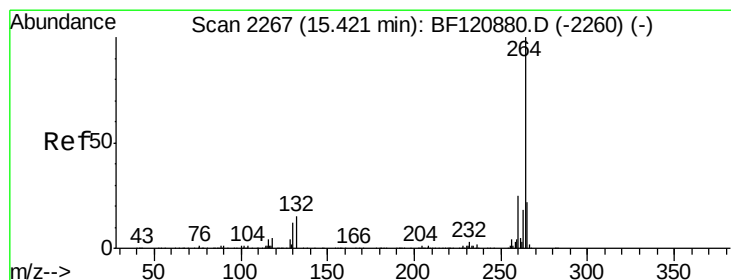
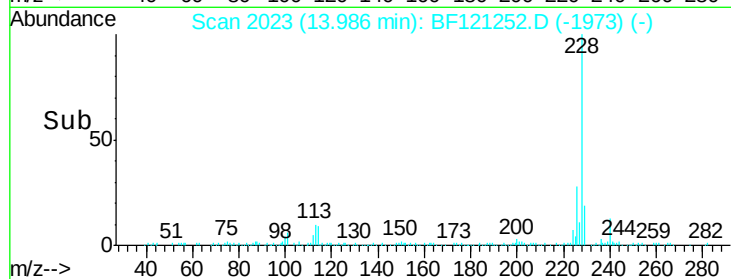
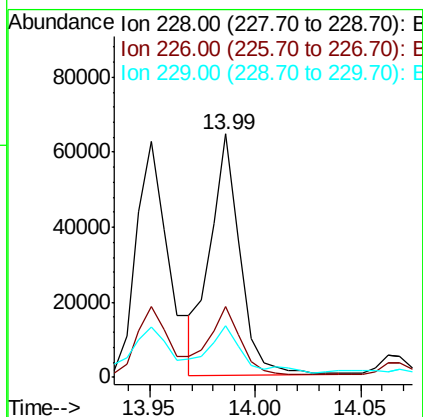
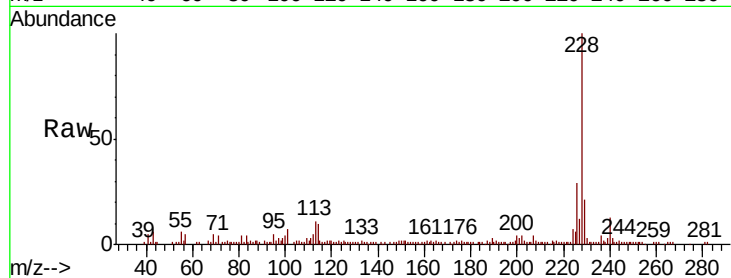




#83
Chrysene
Concen: 2.307 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121252.D
Acq: 11 Aug 2020 21:25

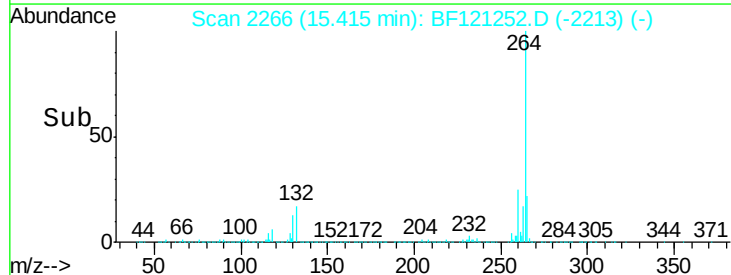
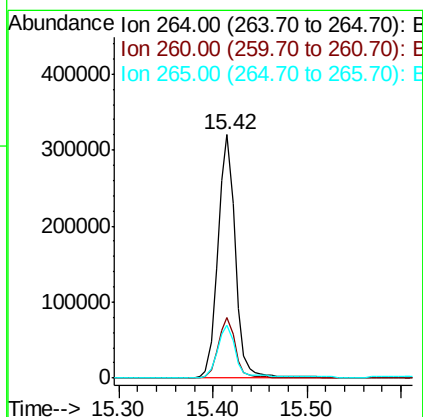
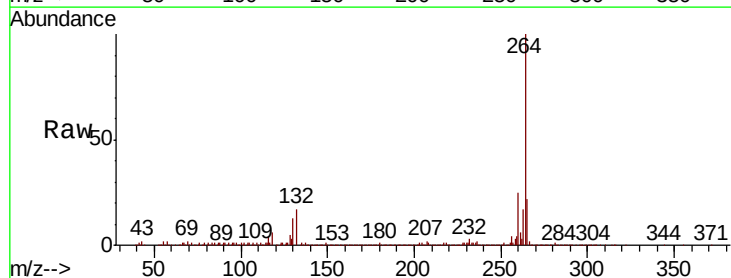
Instrument :
BNA_F
ClientSampleId :
OR-02-080720

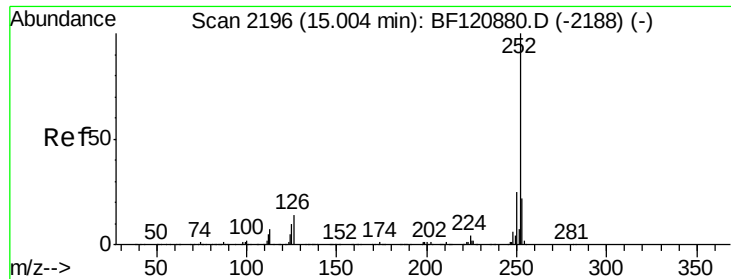
Tot Ion:228 Resp: 63364
Ion Ratio Lower Upper
228 100
226 29.2 25.4 38.0
229 21.2 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF121252.D
Acq: 11 Aug 2020 21:25

Tgt Ion:264 Resp: 415423
Ion Ratio Lower Upper
264 100
260 24.8 19.9 29.9
265 21.8 17.8 26.8

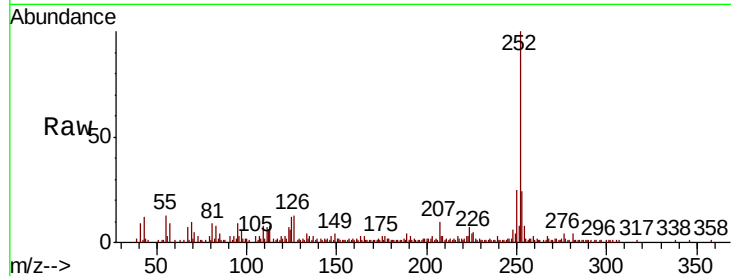




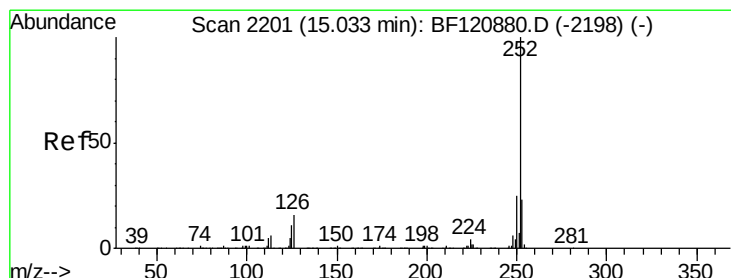
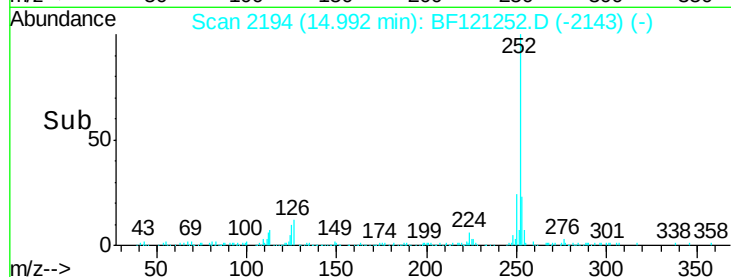
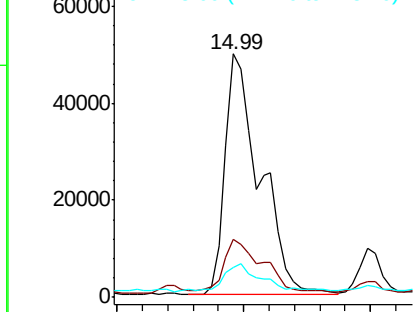
#88
Benzo(b)fluoranthene
Concen: 3.779 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BF121252.D
Acq: 11 Aug 2020 21:25

Instrument :
BNA_F
ClientSampleId :
OR-02-080720

Tot Ion:252 Resp: 94906
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 12.4 8.1 12.1#

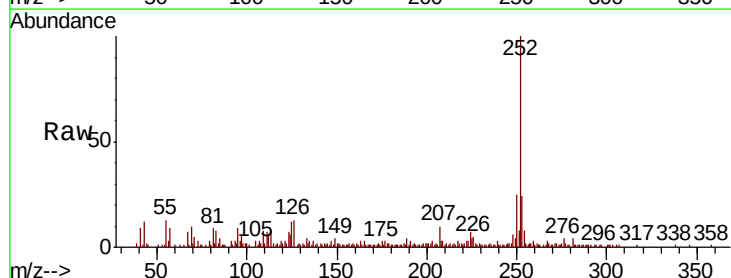


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

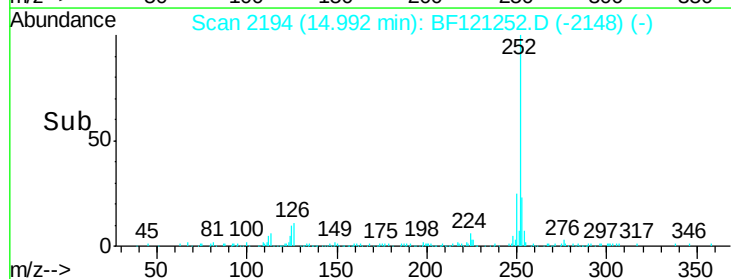
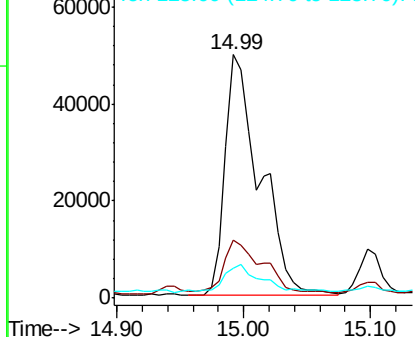


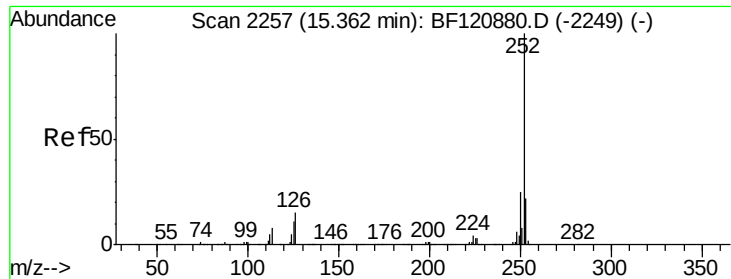
#89
Benzo(k)fluoranthene
Concen: 4.144 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.03 min
Lab File: BF121252.D
Acq: 11 Aug 2020 21:25

Tgt Ion:252 Resp: 94906
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 12.4 8.0 12.0#



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: 2.322 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.01 min

Lab File: BF121252.D

Acq: 11 Aug 2020 21:25

Instrument :

BNA_F

ClientSampleId :

OR-02-080720

Tot Ion:252 Resp: 53192

Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

125 14.0 9.5 14.3

