

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120520.D
 Acq On : 3 Jun 2020 20:10
 Operator : JU/CG
 Sample : L2839-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP05-2020-0-6

Quant Time: Jun 04 00:41:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	141415	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	505564	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	234132	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	372736	20.00	ng	0.00
76) Chrysene-d12	14.00	240	295230	20.00	ng	-0.01
86) Perylene-d12	15.46	264	262517	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	702050	94.61	ng	0.00
7) Phenol-d6	6.47	99	875117	95.68	ng	0.00
23) Nitrobenzene-d5	7.40	82	572119	74.02	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	216017	99.58	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1075676	77.95	ng	0.00
79) Terphenyl-d14	12.95	244	908853	68.50	ng	0.00

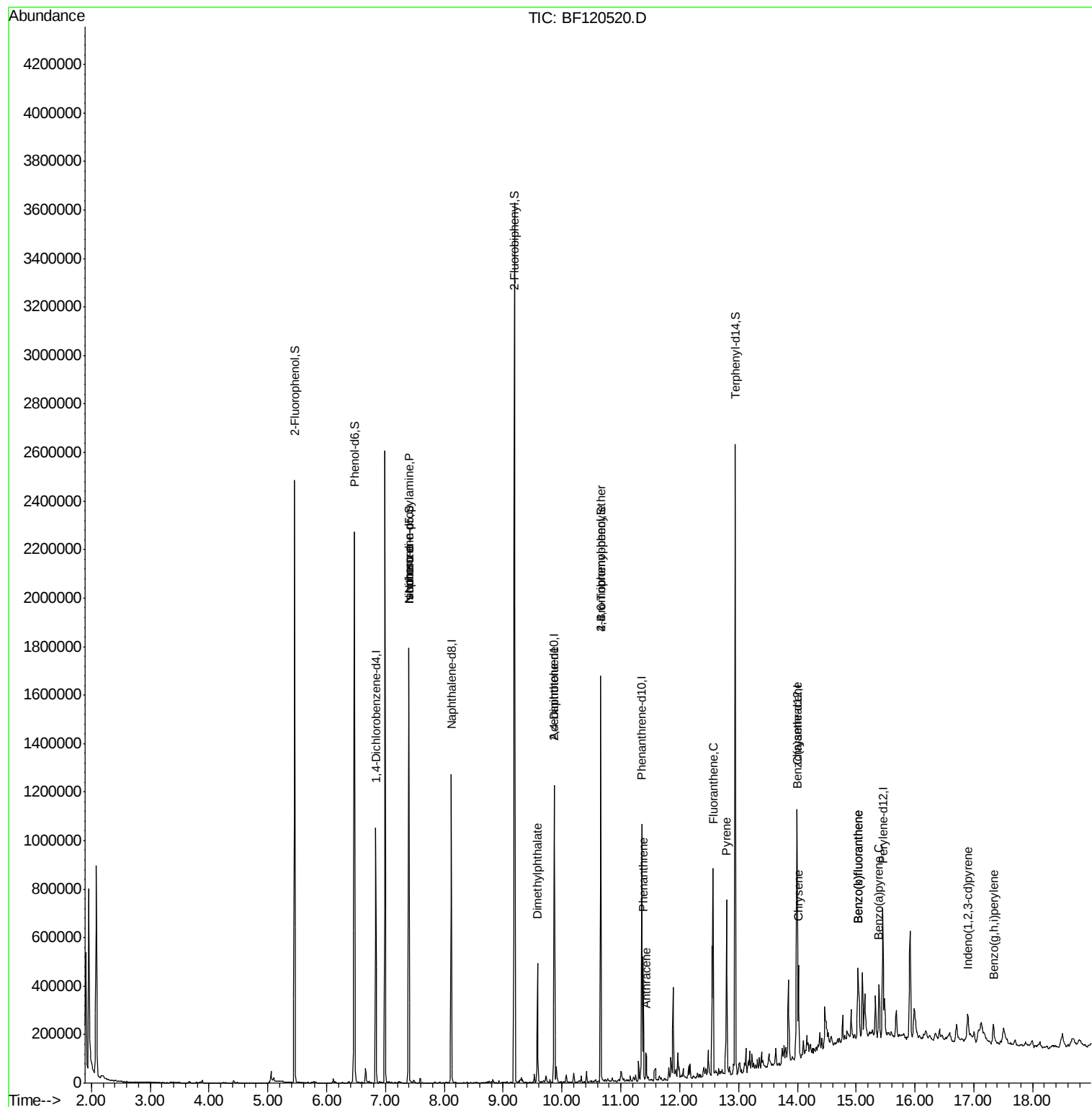
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	76344	13.131	ng	# 77
25) Isophorone	7.40	82	569496	36.662	ng	# 64
50) Dimethylphthalate	9.59	163	198157	13.538	ng	99
57) 2,4-Dinitrotoluene	9.87	165	30005	7.207	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	12849	3.415	ng	# 1
71) Phenanthrene	11.38	178	170508	10.382	ng	97
72) Anthracene	11.43	178	44002	2.670	ng	99
75) Fluoranthene	12.57	202	311137	17.606	ng	99
78) Pyrene	12.80	202	278421	13.561	ng	99
81) Benzo(a)anthracene	13.99	228	166544	10.526	ng	99
83) Chrysene	14.02	228	137173	8.269	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	70161	4.886	ng	94
88) Benzo(b)fluoranthene	15.03	252	224380	15.389	ng	99
89) Benzo(k)fluoranthene	15.03	252	224380	16.484	ng	98
90) Benzo(a)pyrene	15.39	252	110758	8.684	ng	96
92) Benzo(g,h,i)perylene	17.33	276	64826	5.615	ng	99

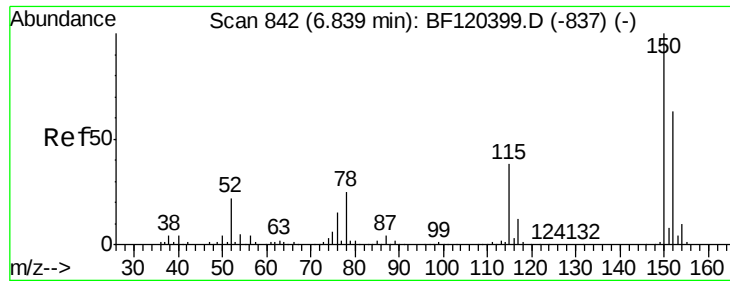
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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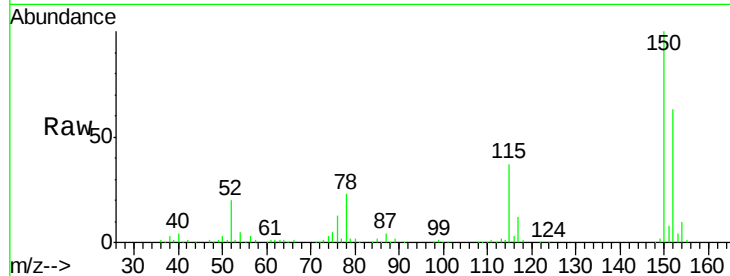


#1

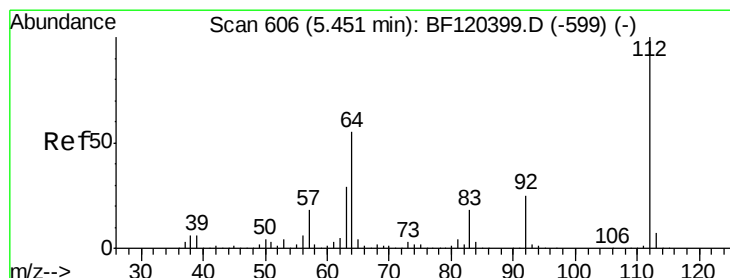
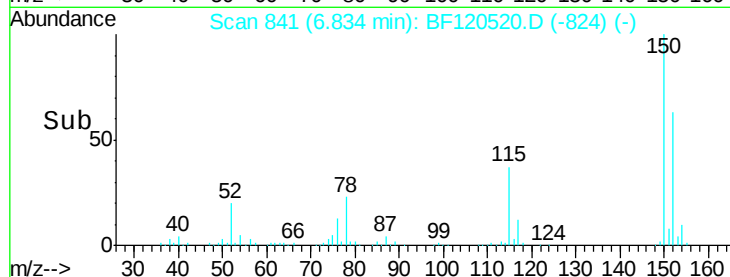
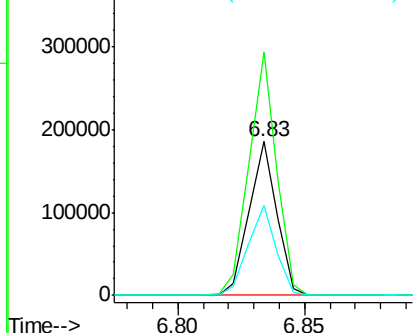
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

Instrument :
BNA_F
ClientSampleId :
NMDUP05-2020-0-6

Tot Ion:152 Resp: 141415
Ion Ratio Lower Upper
152 100
150 158.7 127.1 190.7
115 58.3 48.7 73.1



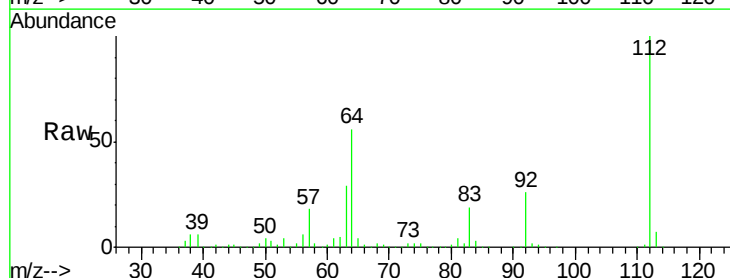
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



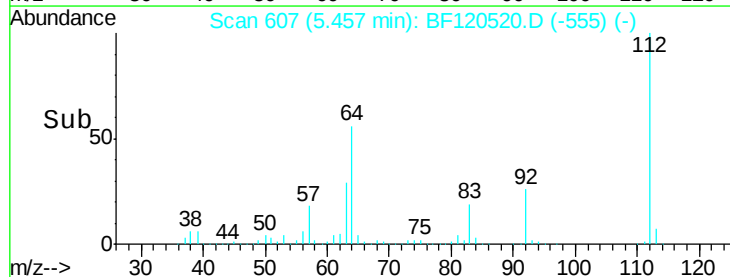
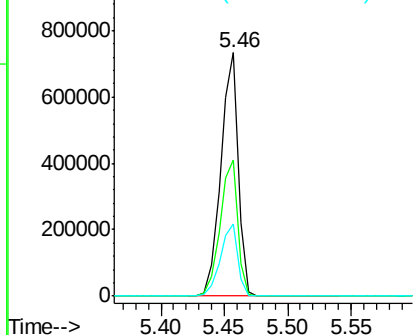
#5

2-Fluorophenol
Concen: 94.610 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

Tgt Ion:112 Resp: 702050
Ion Ratio Lower Upper
112 100
64 55.9 45.8 68.8
63 29.5 23.7 35.5



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: 95.681 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

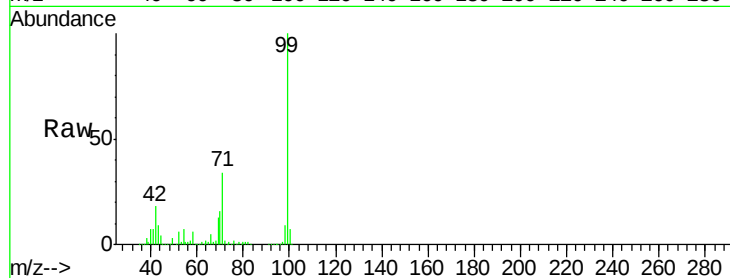
Tot Ion: 99 Resp: 875117

Ion Ratio Lower Upper

99 100

42 18.5 15.0 22.4

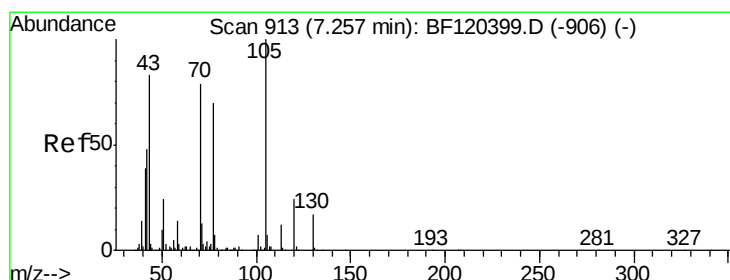
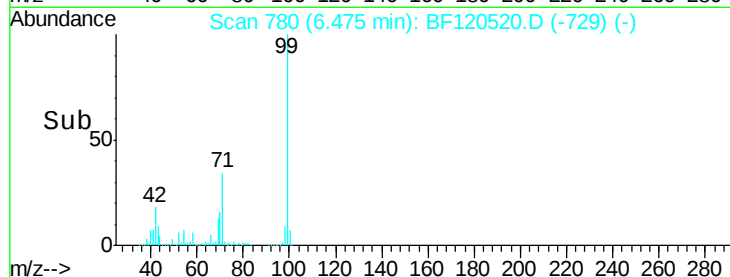
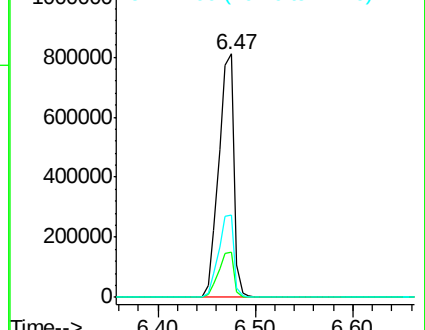
71 33.6 26.3 39.5



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: 13.131 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

Tgt Ion: 70 Resp: 76344

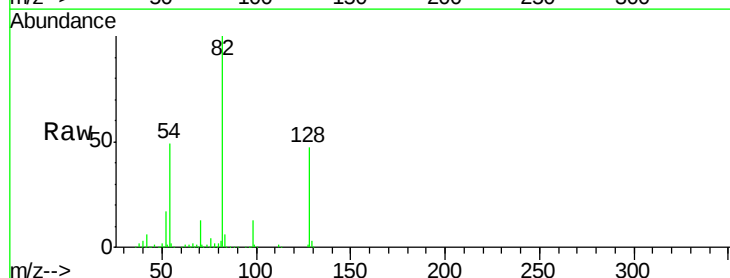
Ion Ratio Lower Upper

70 100

42 47.1 47.6 71.4#

101 0.0 7.4 11.0#

130 2.3 17.1 25.7#

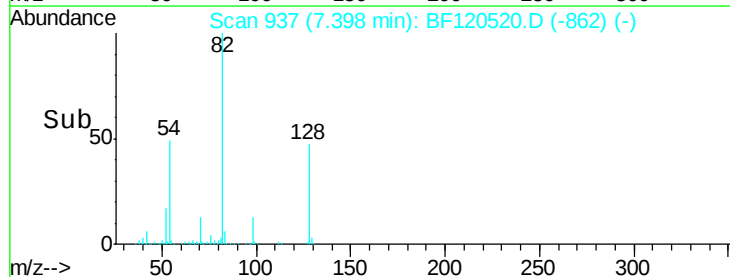
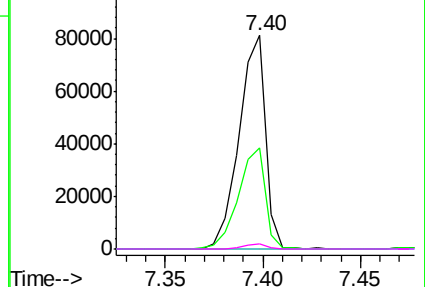


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1059

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

Tot Ion:136 Resp: 505564

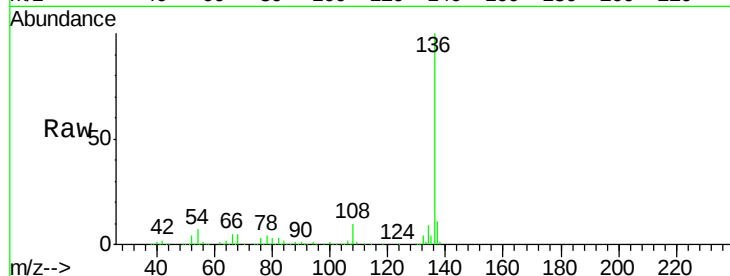
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.1 6.0 9.0

68 5.1 4.8 7.2

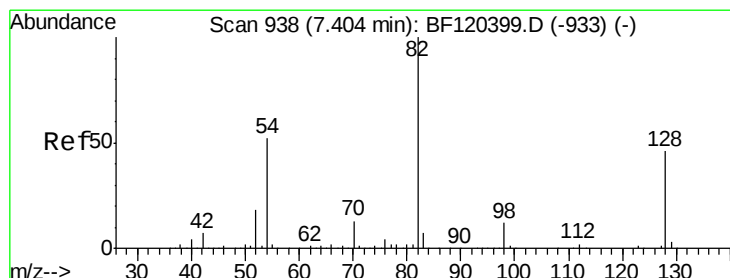
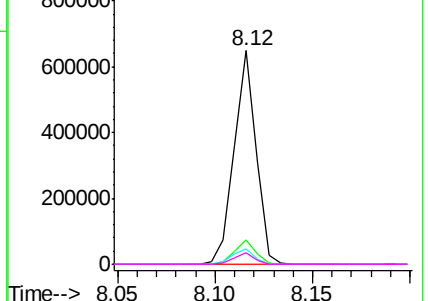
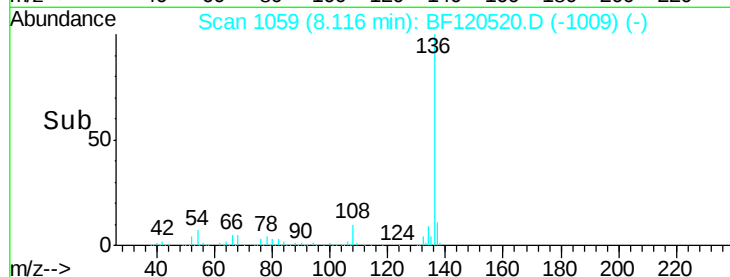


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.024 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

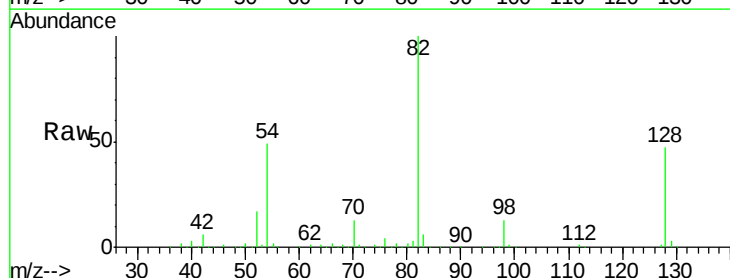
Tgt Ion: 82 Resp: 572119

Ion Ratio Lower Upper

82 100

128 46.7 37.4 56.0

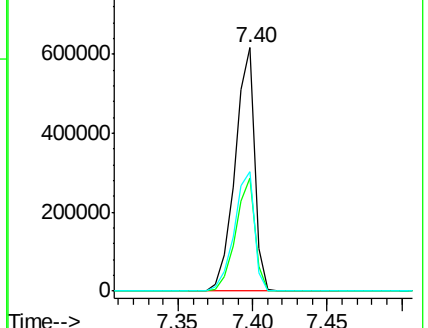
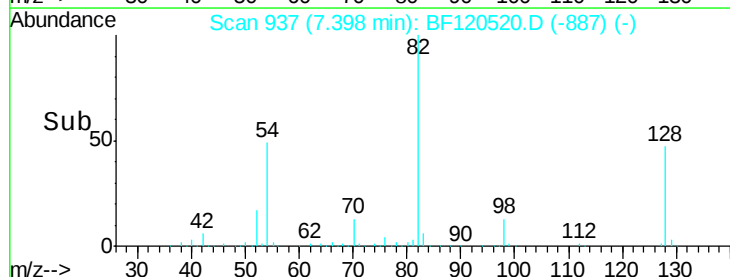
54 48.9 40.7 61.1



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: 36.662 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

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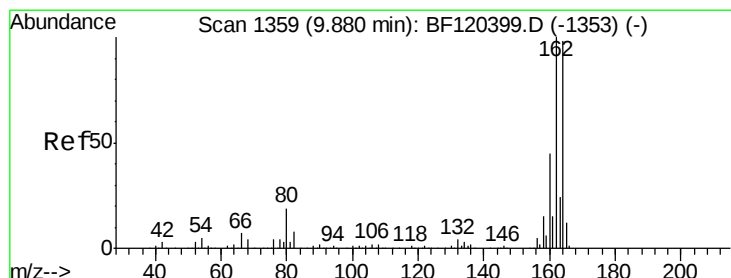
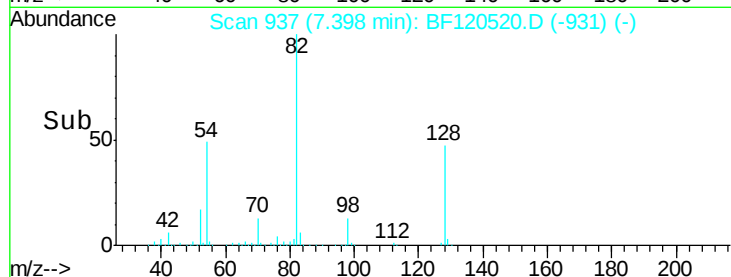
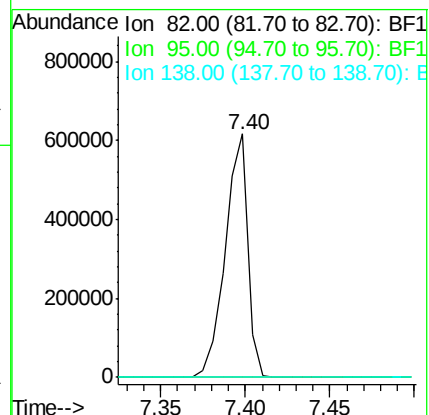
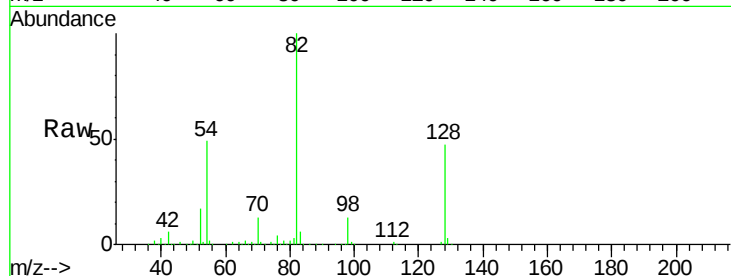
Tot Ion: 82 Resp: 569496

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.0 22.6#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

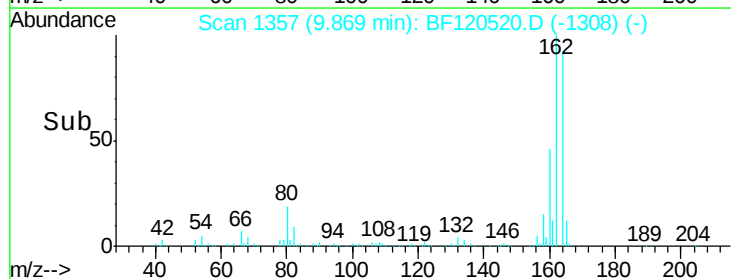
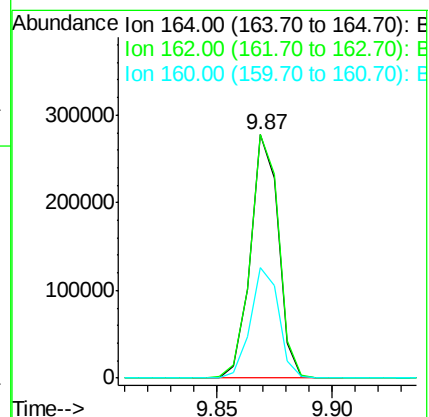
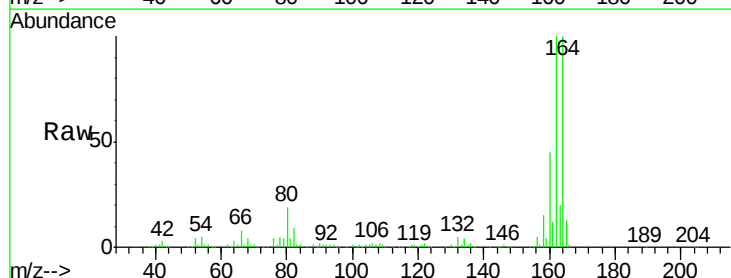
Tgt Ion: 164 Resp: 234132

Ion Ratio Lower Upper

164 100

162 100.1 81.8 122.6

160 45.3 37.3 55.9

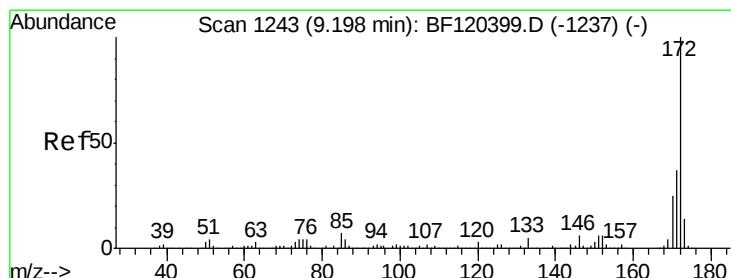
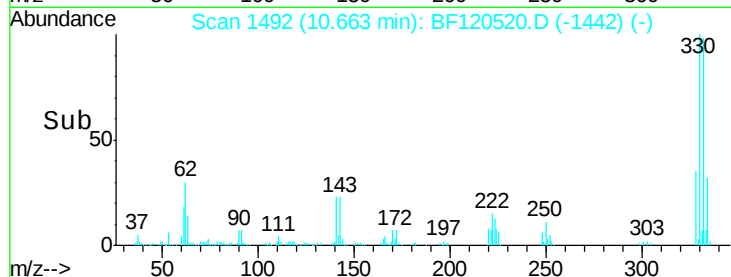
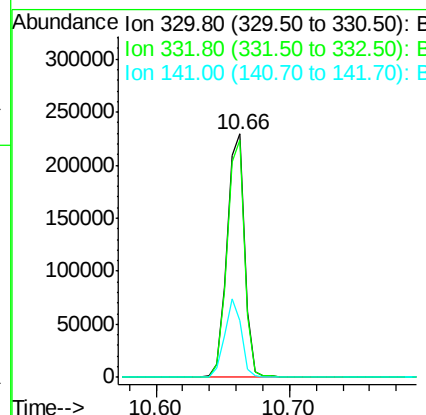
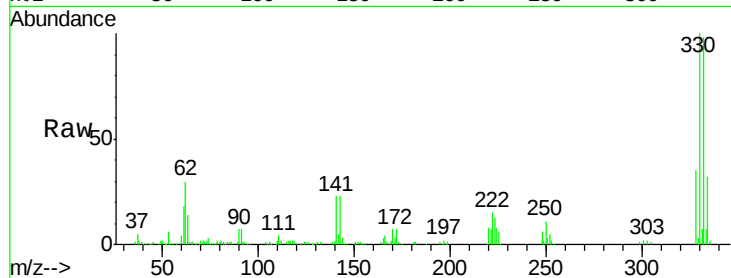




#42
 2,4,6-Tribromophenol
 Concen: 99.577 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120520.D
 Acq: 3 Jun 2020 20:10

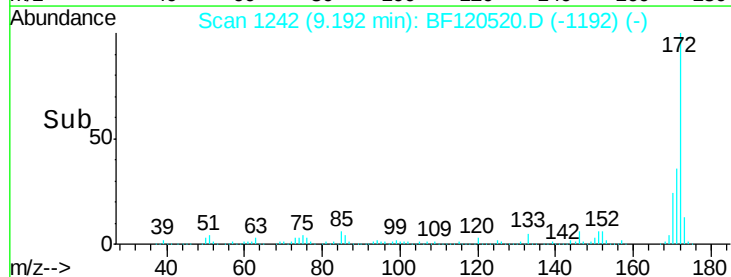
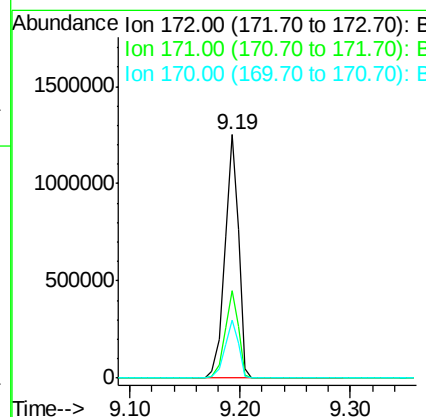
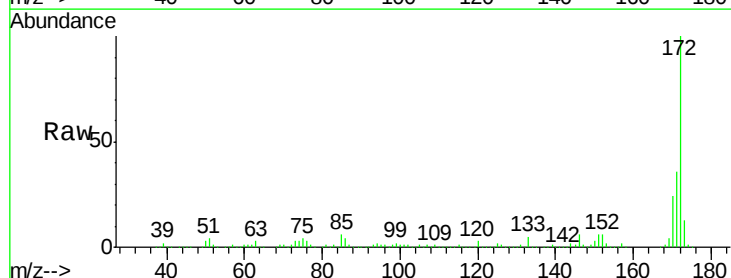
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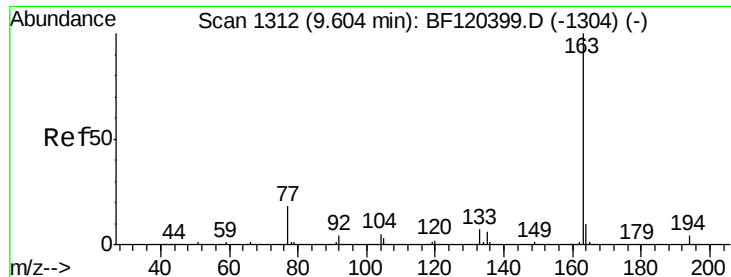
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	30.3	23.5	35.3



#45
 2-Fluorobiphenyl
 Concen: 77.951 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120520.D
 Acq: 3 Jun 2020 20:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	23.9	20.1	30.1

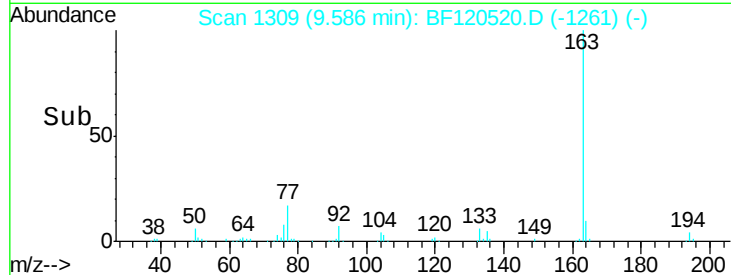
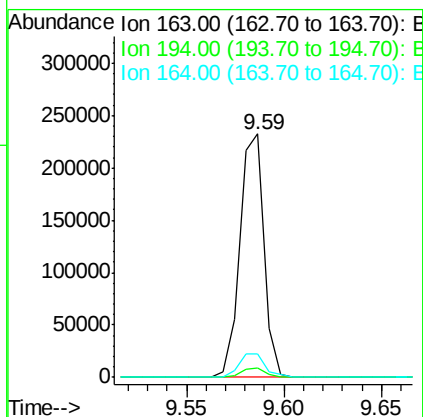
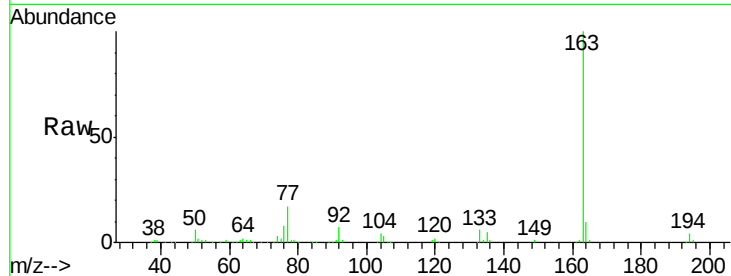




#50
Dimethylphthalate
Concen: 13.538 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

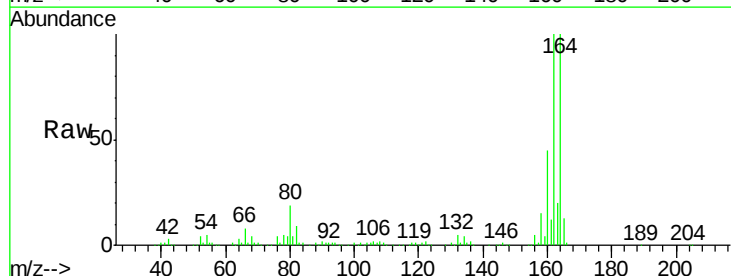
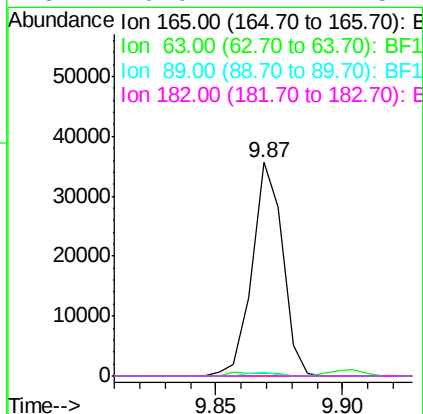
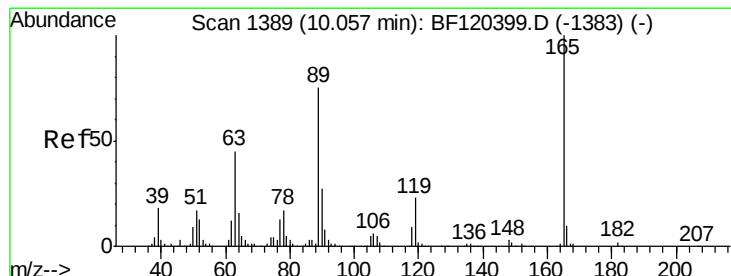
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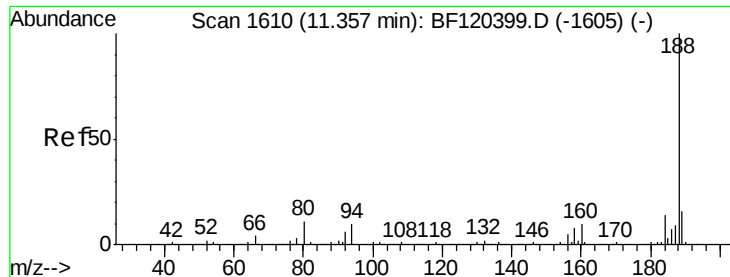
Tot Ion:163 Resp: 198157
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.8 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 7.207 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.20 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

Tgt Ion:165 Resp: 30005
Ion Ratio Lower Upper
165 100
63 1.3 33.4 50.0#
89 1.6 54.7 82.1#
182 0.0 2.1 3.1#

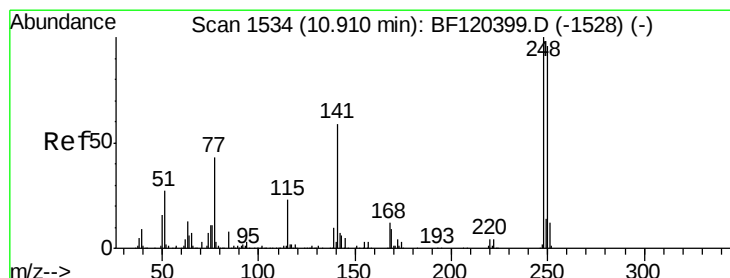
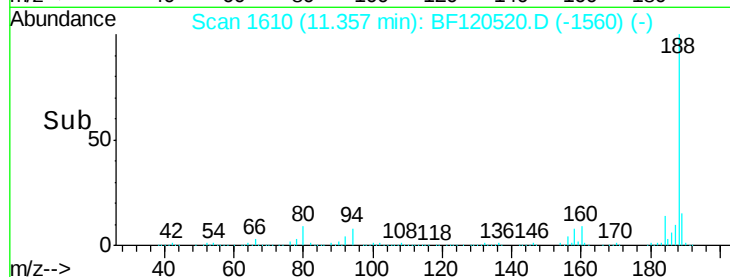
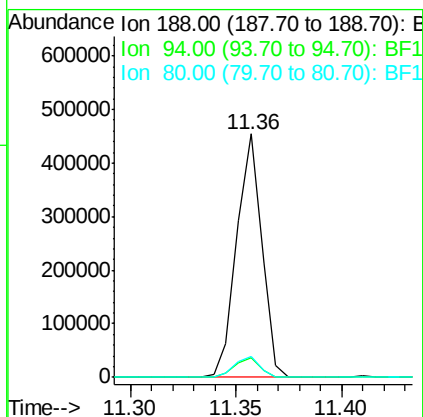
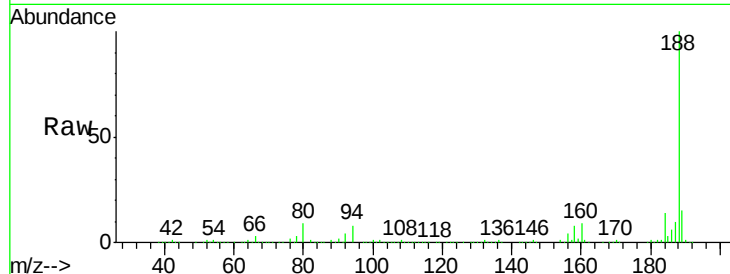




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

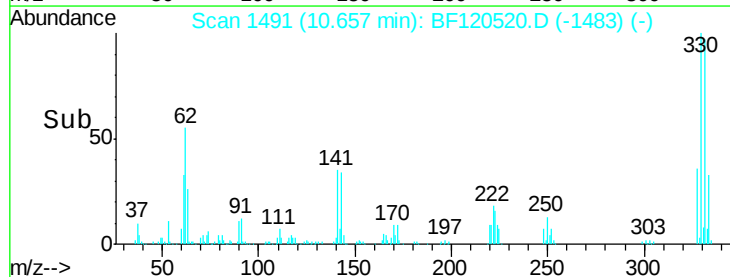
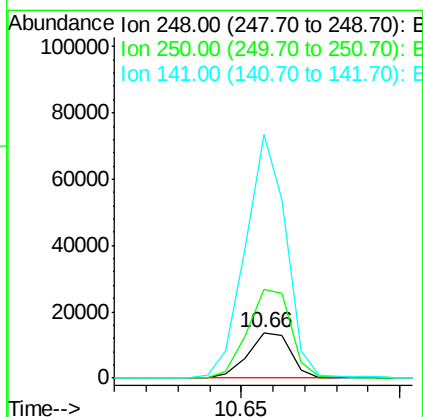
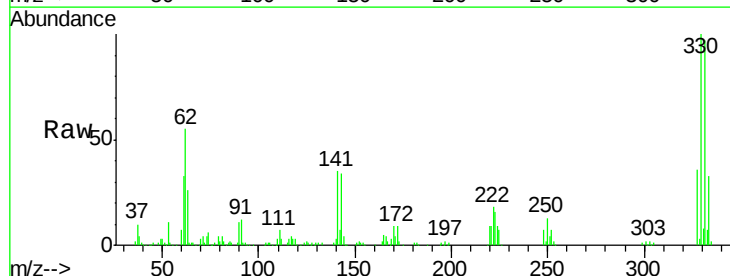
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NMDUP05-2020-0-6

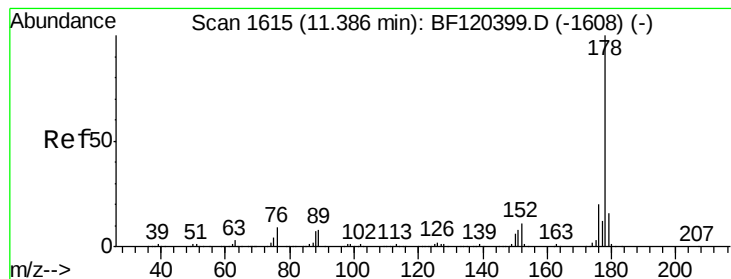
Tot Ion:188 Resp: 372736
Ion Ratio Lower Upper
188 100
94 7.9 7.5 11.3
80 8.6 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.415 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.25 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

Tgt Ion:248 Resp: 12849
Ion Ratio Lower Upper
248 100
250 196.6 78.0 117.0#
141 535.9 50.3 75.5#





#71

Phenanthrene

Concen: 10.382 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

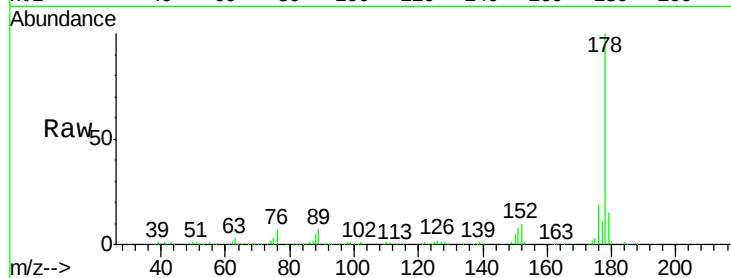
Tot Ion:178 Resp: 170508

Ion Ratio Lower Upper

178 100

176 19.0 16.6 24.8

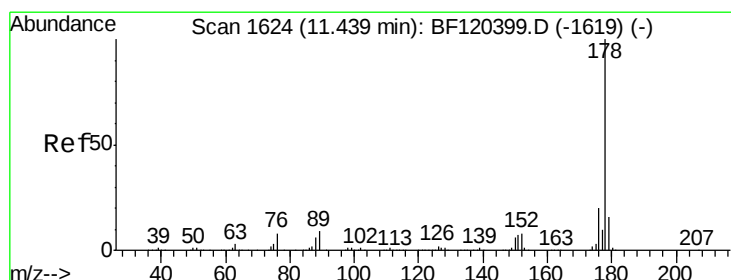
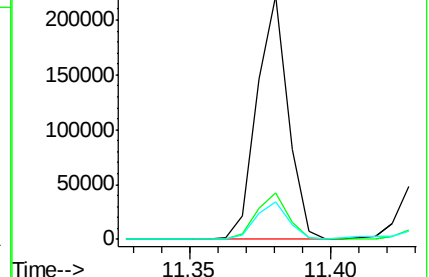
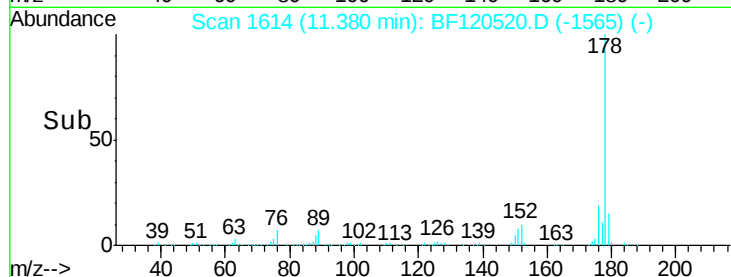
179 15.2 13.0 19.4



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: 2.670 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

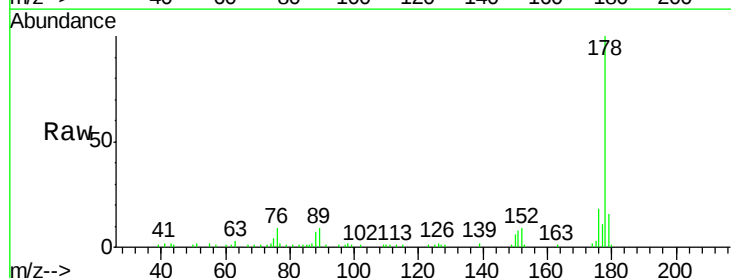
Tgt Ion:178 Resp: 44002

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

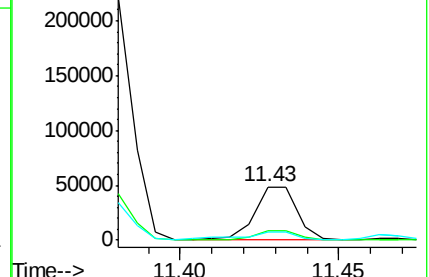
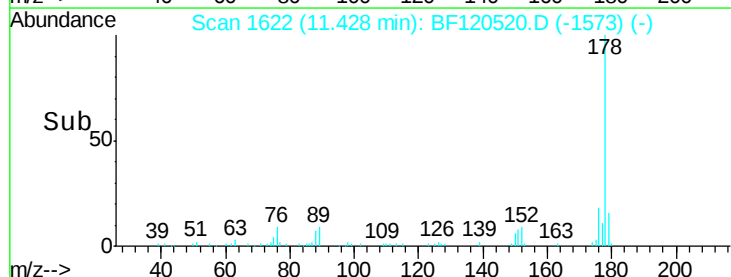
179 16.3 13.1 19.7

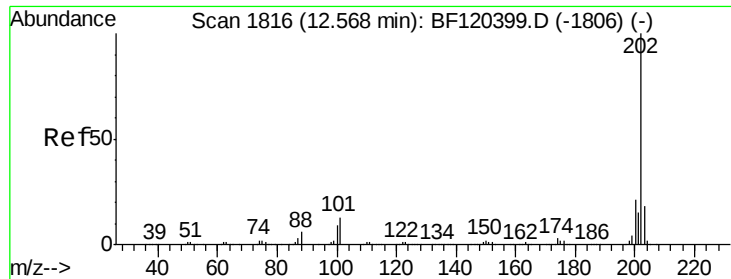


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 17.606 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

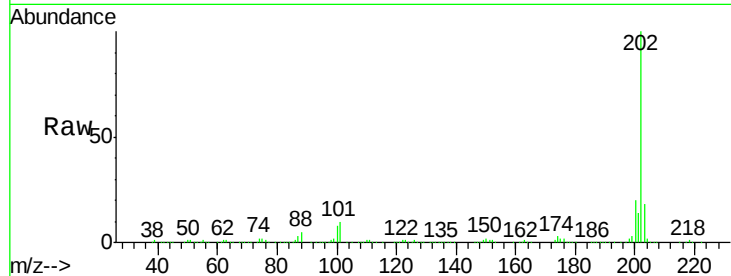
Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

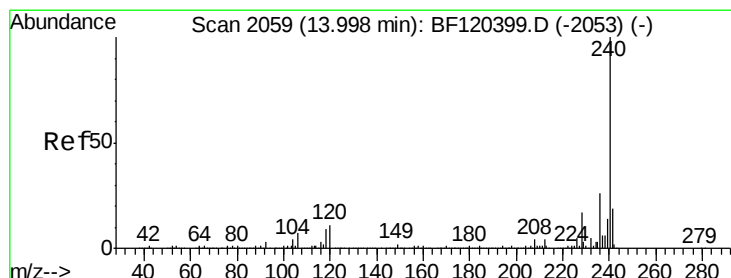
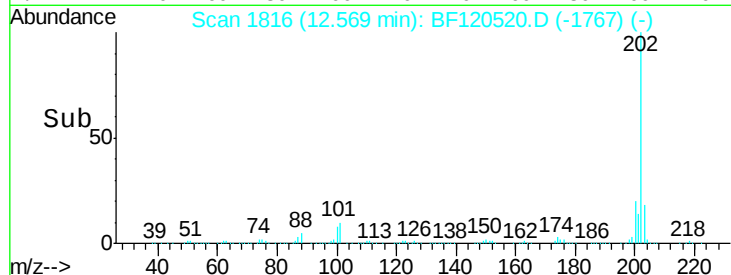
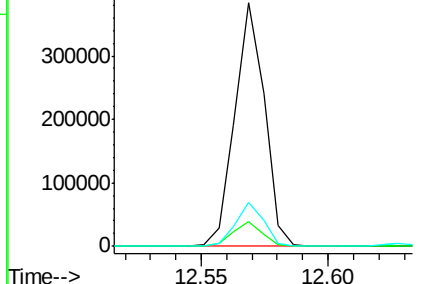
Tot Ion:	202	Resp:	311137
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.4
203	17.8	0.0	38.2



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

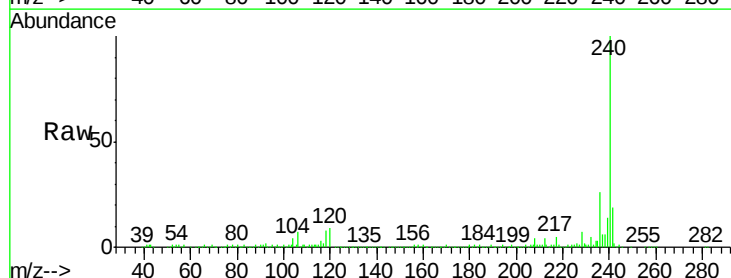
RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

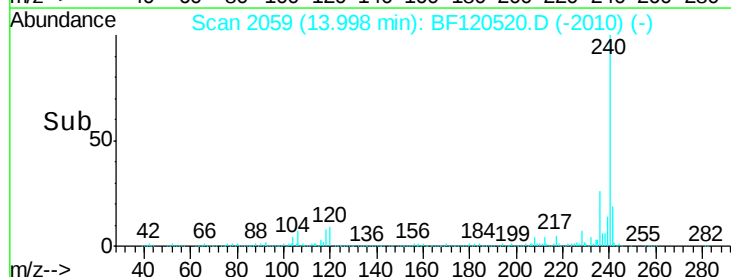
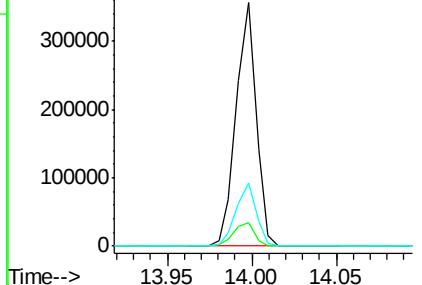
Tgt Ion:	240	Resp:	295230
Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.9	11.9
236	25.9	21.1	31.7

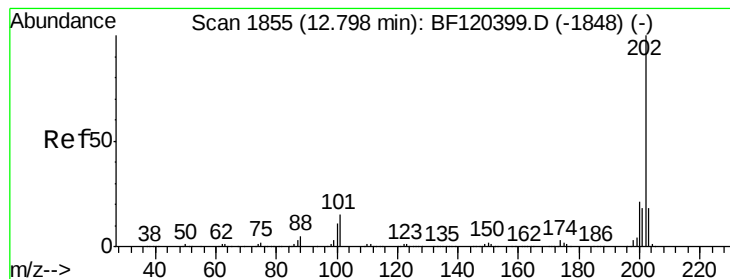


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.561 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

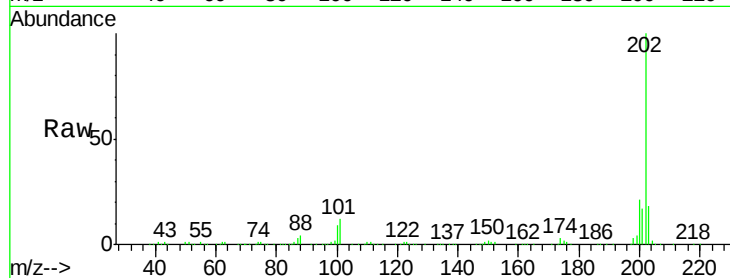
Tot Ion:202 Resp: 278421

Ion Ratio Lower Upper

202 100

200 20.9 17.3 25.9

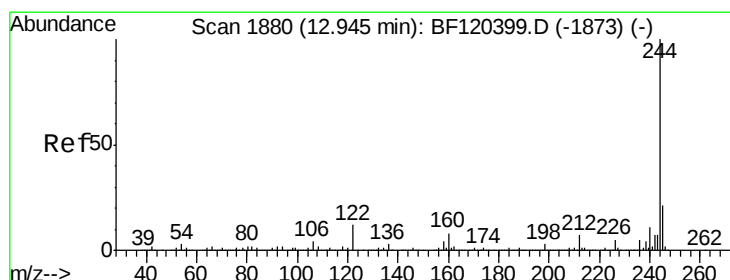
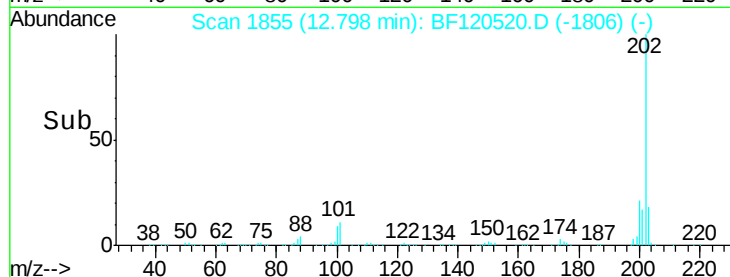
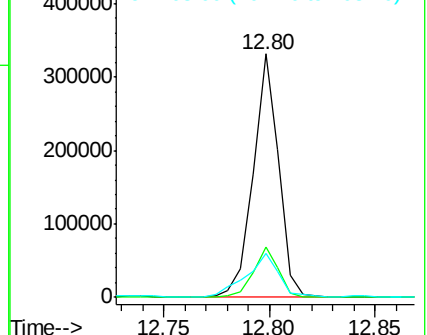
203 17.9 14.5 21.7



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: 68.503 ng

RT: 12.95 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

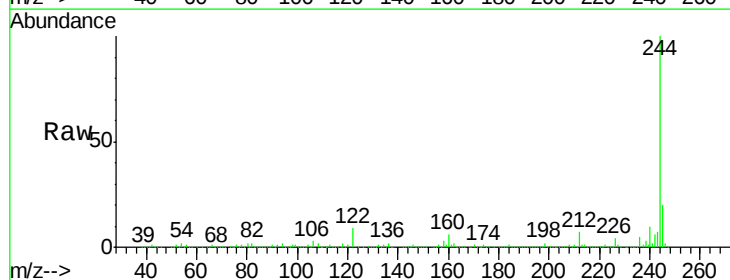
Tgt Ion:244 Resp: 908853

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

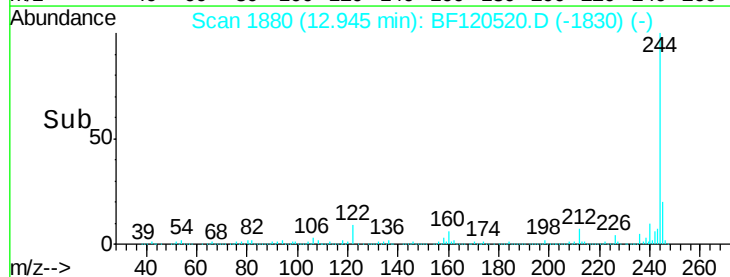
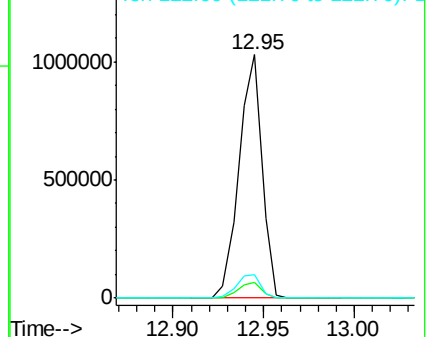
122 9.5 8.2 12.4

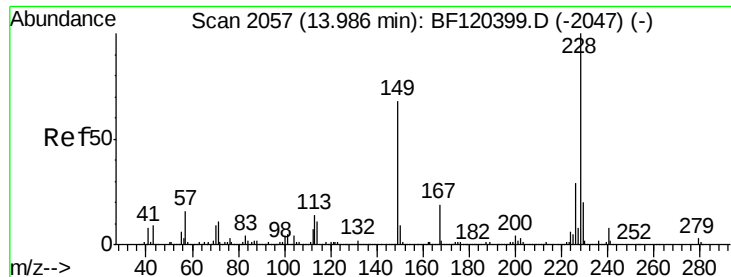


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 10.526 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

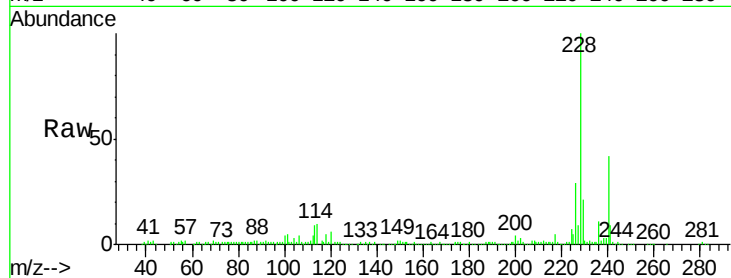
Tot Ion:228 Resp: 166544

Ion Ratio Lower Upper

228 100

226 29.2 22.7 34.1

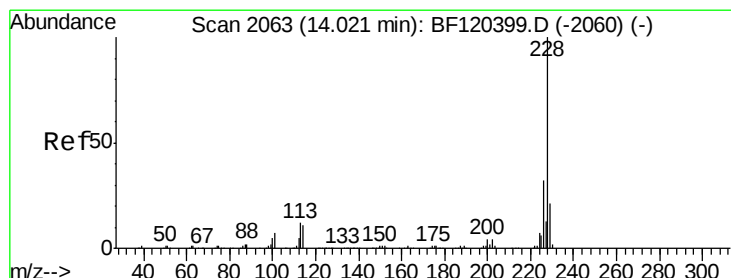
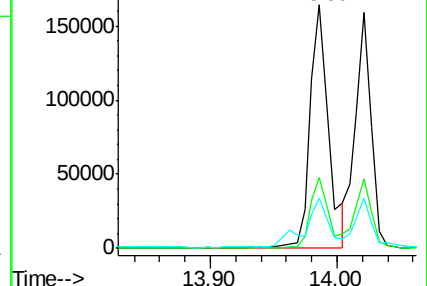
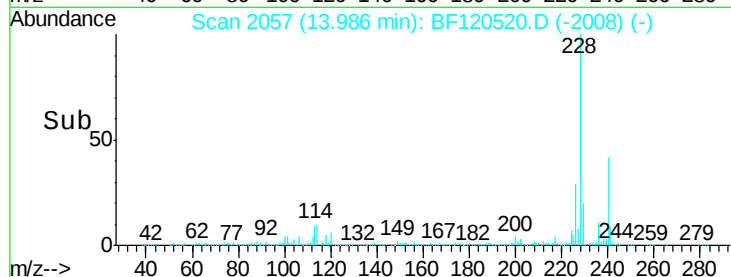
229 20.7 16.3 24.5



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: 8.269 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BF120520.D

Acq: 3 Jun 2020 20:10

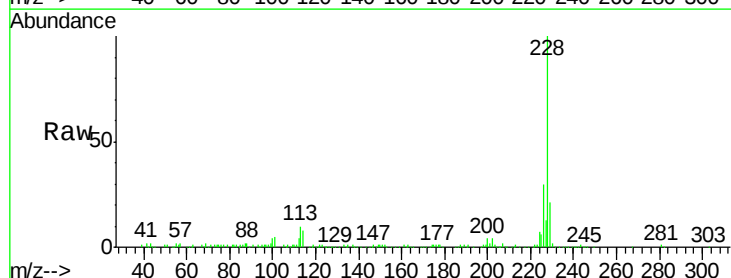
Tgt Ion:228 Resp: 137173

Ion Ratio Lower Upper

228 100

226 29.6 25.2 37.8

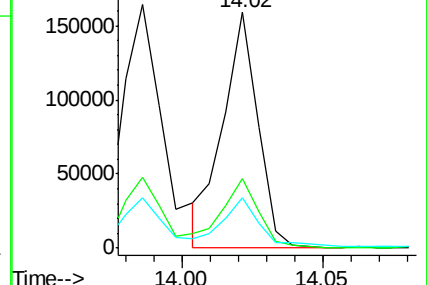
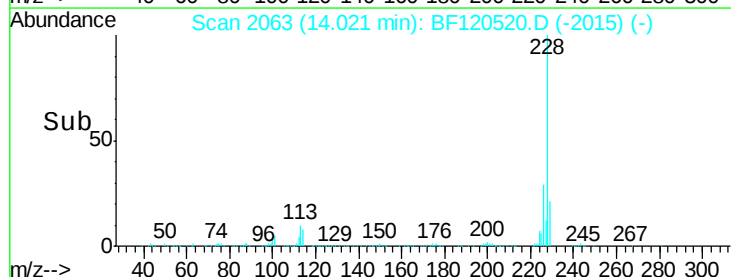
229 21.4 16.1 24.1

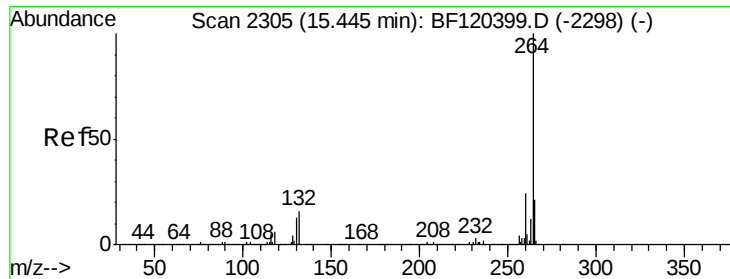


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

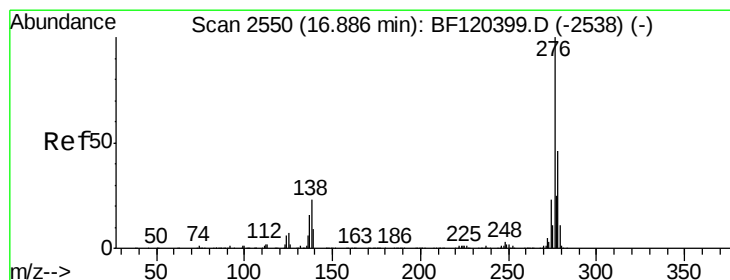
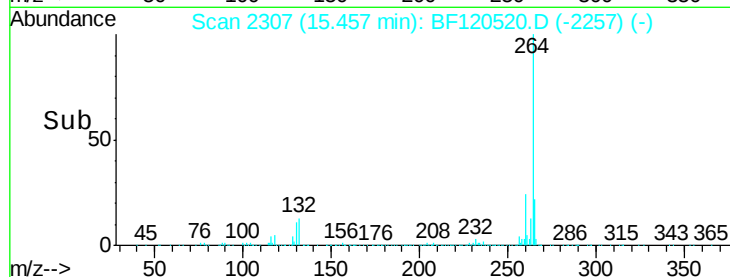
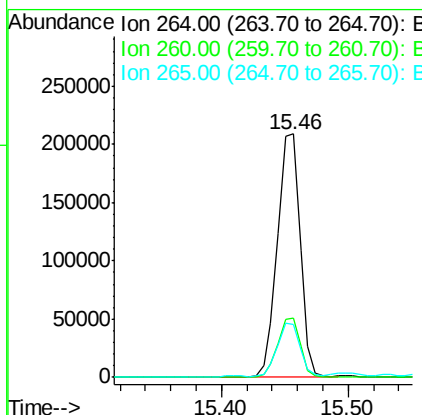
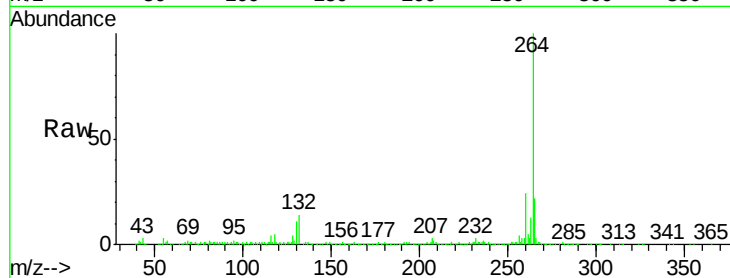




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

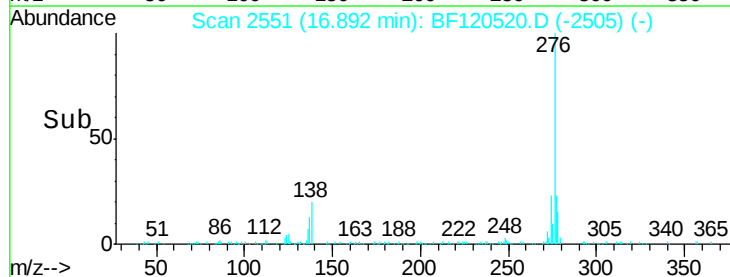
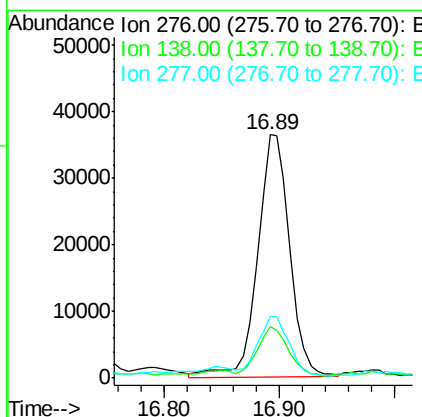
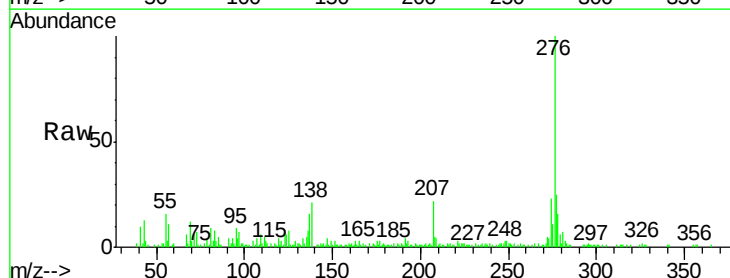
Instrument :
BNA_F
ClientSampleId :
NMDUP05-2020-0-6

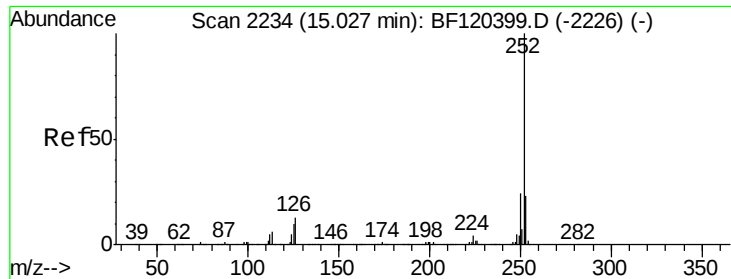
Tot Ion:264 Resp: 262517
Ion Ratio Lower Upper
264 100
260 24.3 19.8 29.8
265 21.8 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.886 ng
RT: 16.89 min Scan# 2551
Delta R.T. -0.03 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

Tgt Ion:276 Resp: 70161
Ion Ratio Lower Upper
276 100
138 19.7 19.2 28.8
277 24.1 20.4 30.6

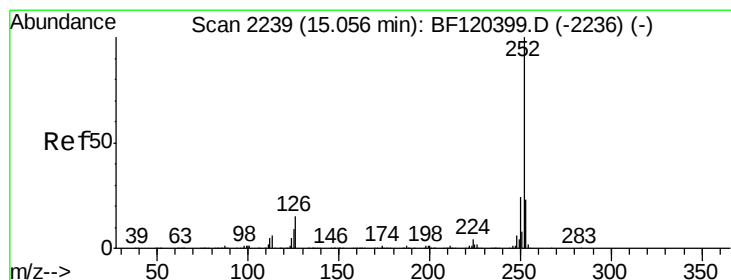
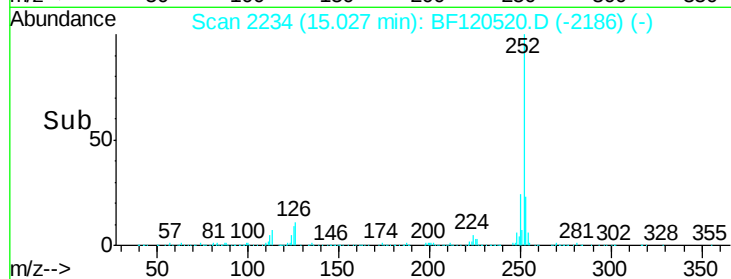
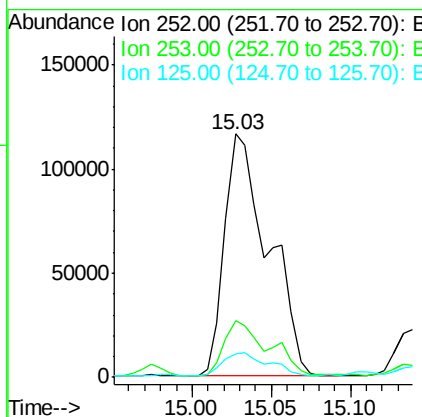
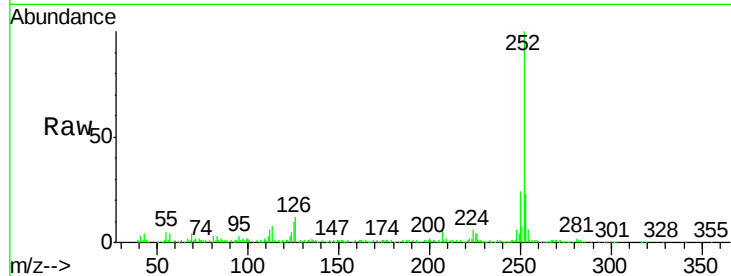




#88
Benzo(b)fluoranthene
Concen: 15.389 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

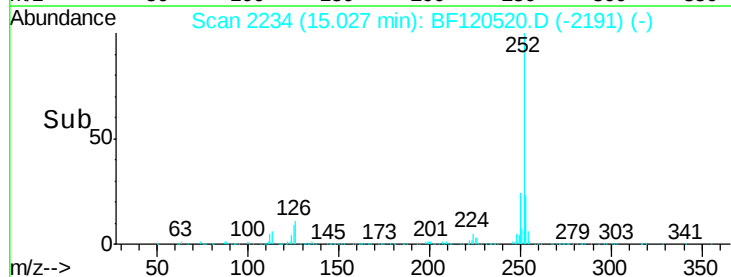
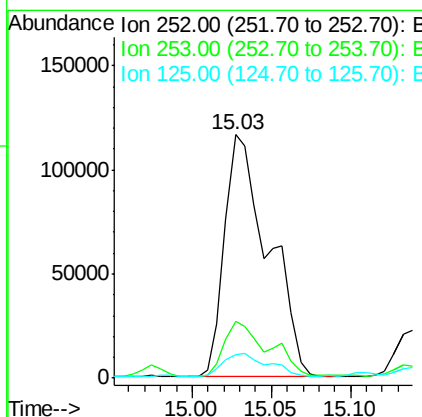
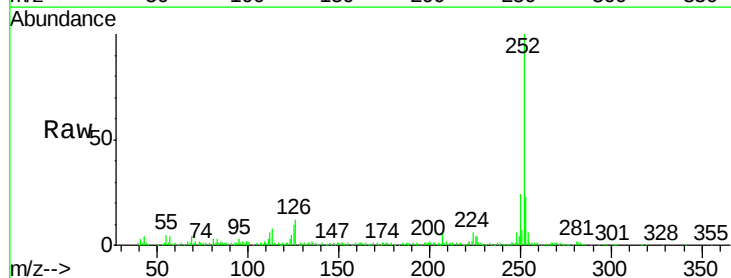
Instrument :
BNA_F
ClientSampleId :
NMDUP05-2020-0-6

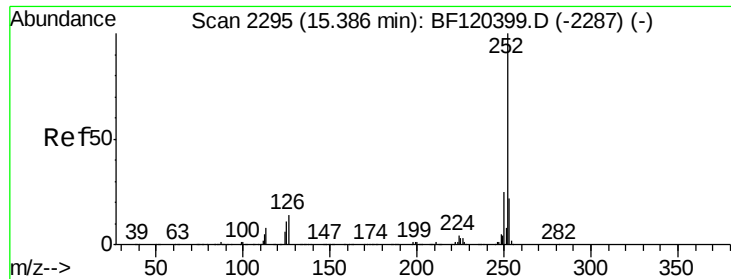
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	9.7	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 16.484 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	9.7	7.5	11.3

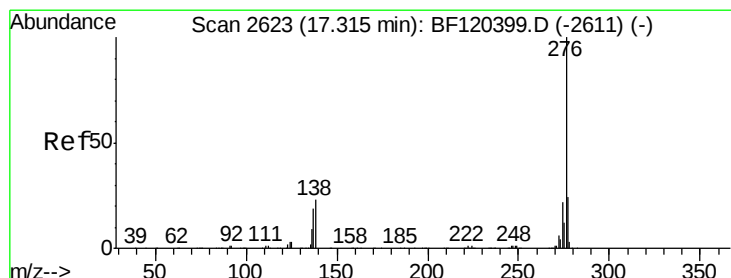
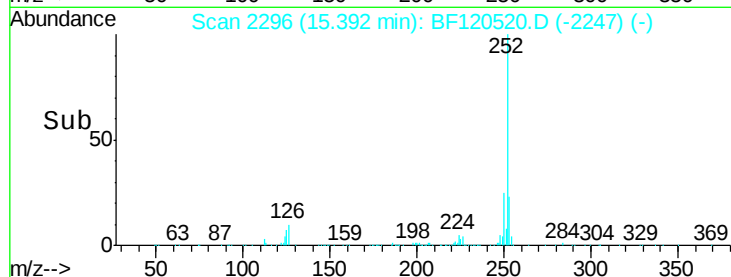
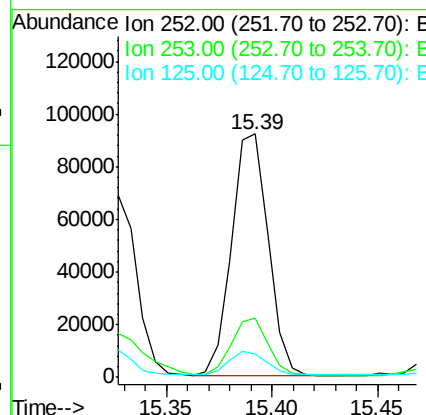
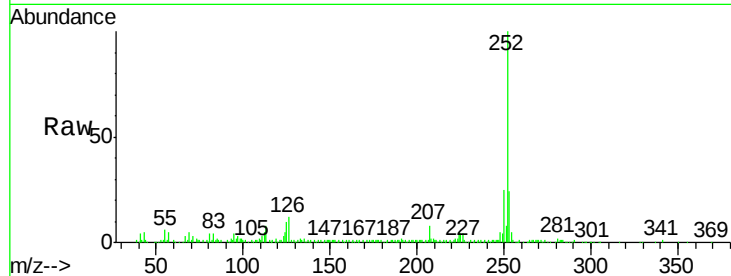




#90
Benzo(a)pyrene
Concen: 8.684 ng
RT: 15.39 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

Instrument :
BNA_F
ClientSampleId :
NMDUP05-2020-0-6

Tot Ion:252 Resp: 110758
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 9.8 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 5.615 ng
RT: 17.33 min Scan# 2626
Delta R.T. -0.03 min
Lab File: BF120520.D
Acq: 3 Jun 2020 20:10

Tgt Ion:276 Resp: 64826
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.2
138 20.2 16.6 25.0

