

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120542.D
 Acq On : 4 Jun 2020 19:17
 Operator : JU/CG
 Sample : L2839-11RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jun 05 00:28:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	203765	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	742829	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	354288	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	566713	20.00	ng	0.00
76) Chrysene-d12	14.00	240	426259	20.00	ng	0.00
86) Perylene-d12	15.45	264	379227	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1068392	99.92	ng	0.00
7) Phenol-d6	6.46	99	1302161	98.81	ng	0.00
23) Nitrobenzene-d5	7.39	82	844315	74.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	308120	93.86	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1490925	71.40	ng	0.00
79) Terphenyl-d14	12.94	244	1302018	67.97	ng	0.00

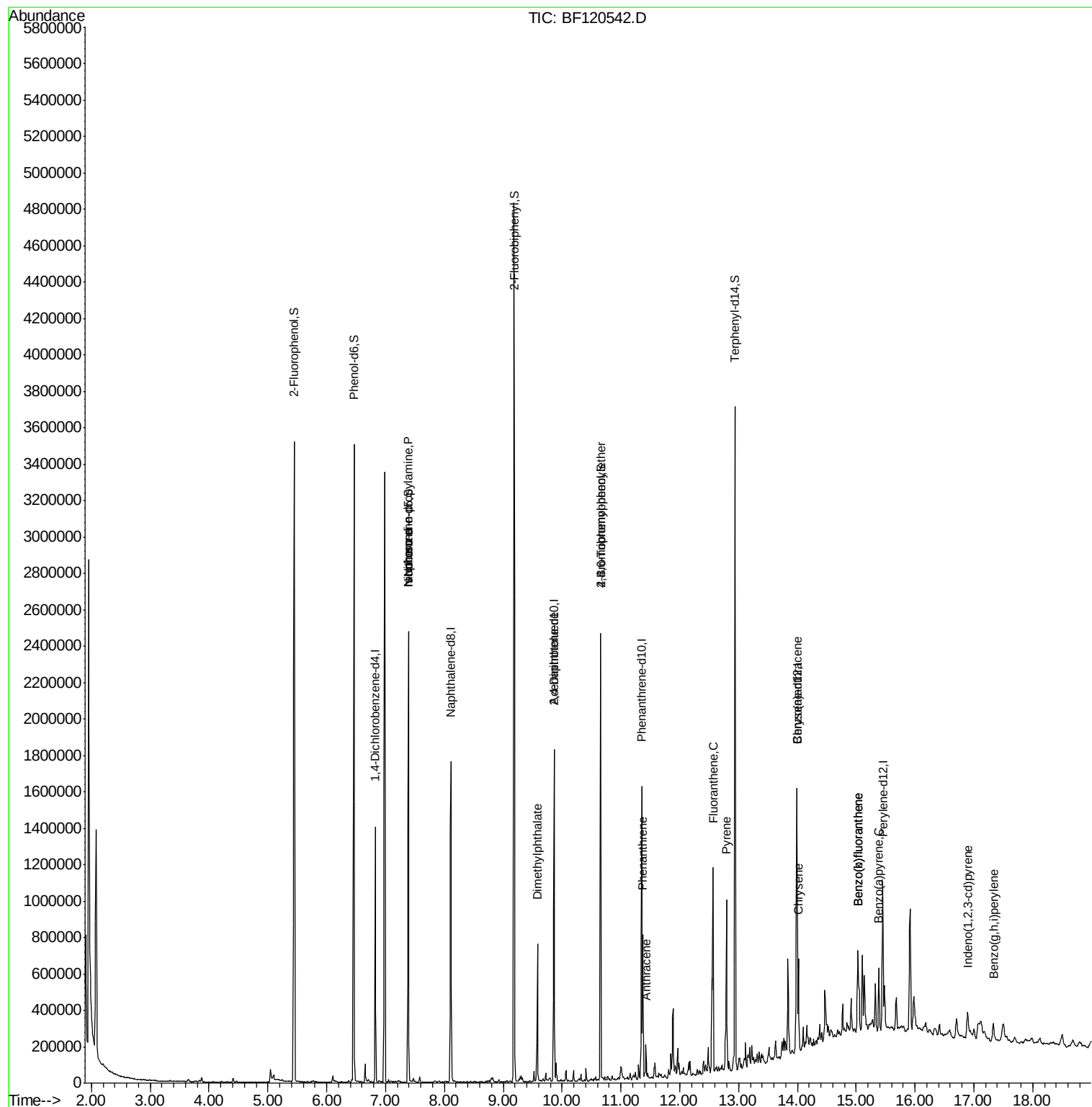
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	111756	13.340	ng	# 79
25) Isophorone	7.39	82	840330	36.818	ng	# 63
50) Dimethylphthalate	9.58	163	287139	12.964	ng	99
57) 2,4-Dinitrotoluene	9.86	165	45883	7.283	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	18460	3.227	ng	# 1
71) Phenanthrene	11.37	178	261716	10.481	ng	99
72) Anthracene	11.43	178	65981	2.633	ng	98
75) Fluoranthene	12.57	202	452091	16.826	ng	97
78) Pyrene	12.80	202	407648	13.752	ng	98
81) Benzo(a)anthracene	13.99	228	221751	9.707	ng	98
83) Chrysene	14.02	228	206820	8.635	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	92492	4.459	ng	95
88) Benzo(b)fluoranthene	15.03	252	327508	15.549	ng	98
89) Benzo(k)fluoranthene	15.03	252	327508	16.655	ng	99
90) Benzo(a)pyrene	15.39	252	163709	8.886	ng	98
92) Benzo(g,h,i)perylene	17.33	276	83814	5.025	ng	96

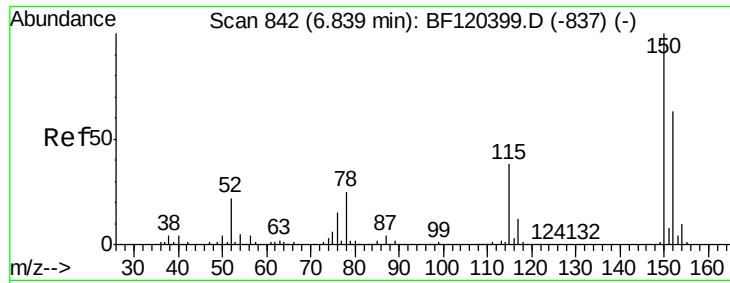
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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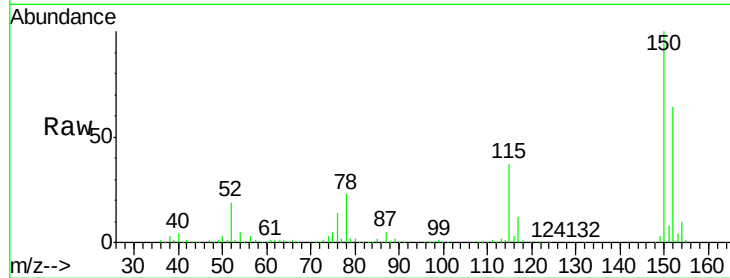


#1

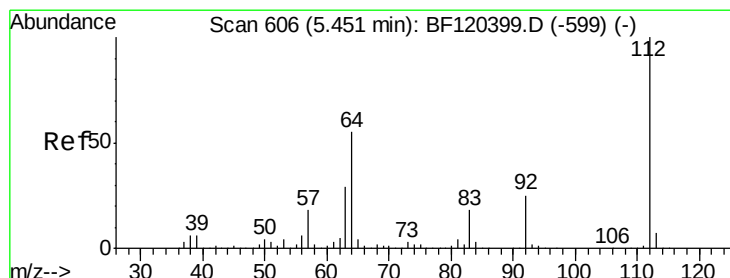
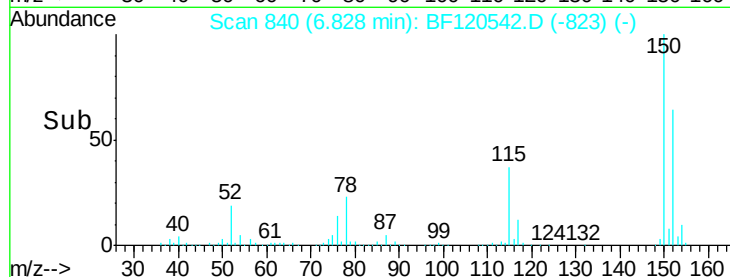
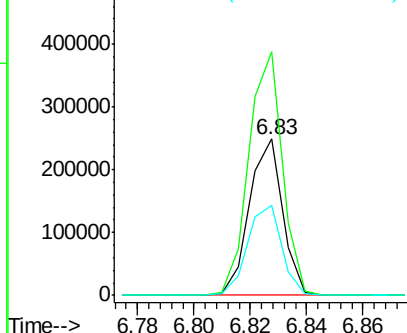
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

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

Tot Ion:152 Resp: 203765
Ion Ratio Lower Upper
152 100
150 155.8 126.3 189.5
115 57.9 48.1 72.1



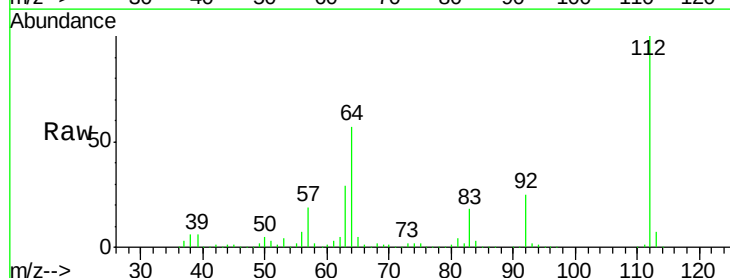
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



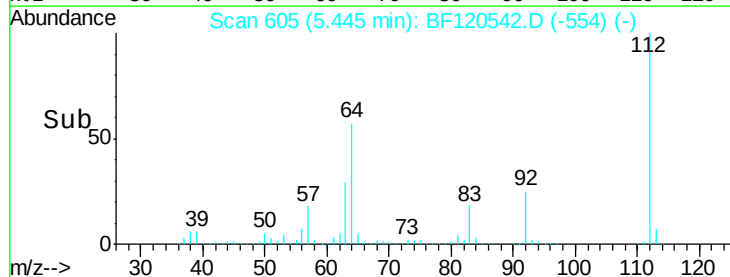
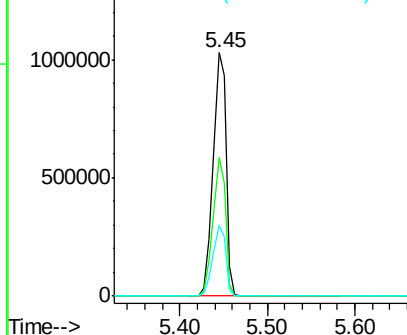
#5

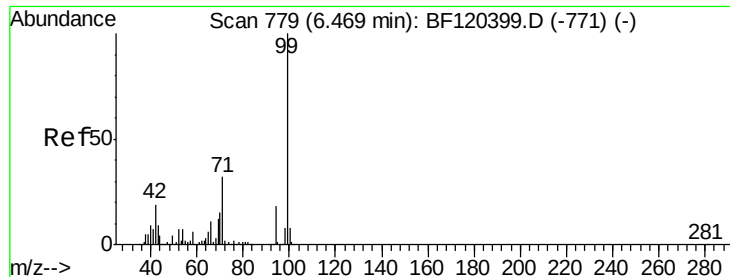
2-Fluorophenol
Concen: 99.923 ng
RT: 5.45 min Scan# 605
Delta R.T. -0.00 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

Tgt Ion:112 Resp: 1068392
Ion Ratio Lower Upper
112 100
64 57.2 47.2 70.8
63 29.2 24.7 37.1



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: 98.807 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

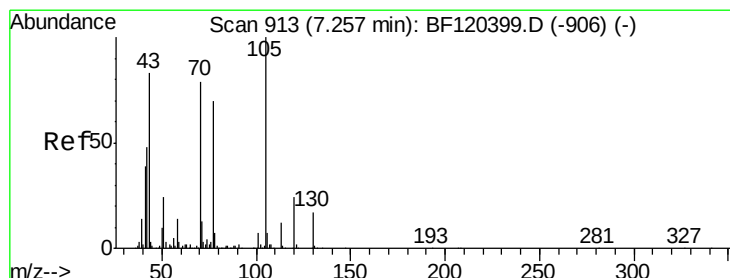
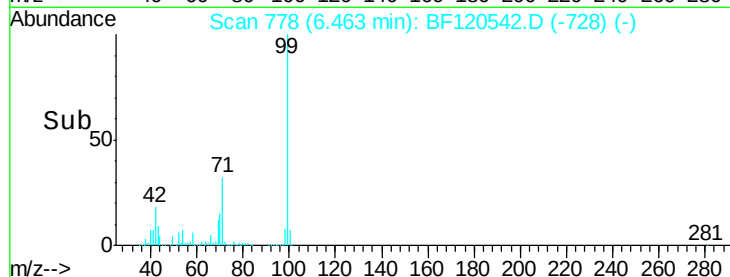
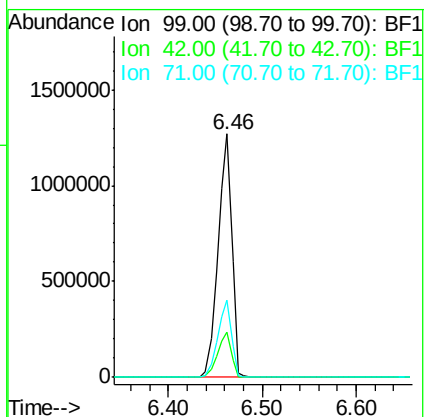
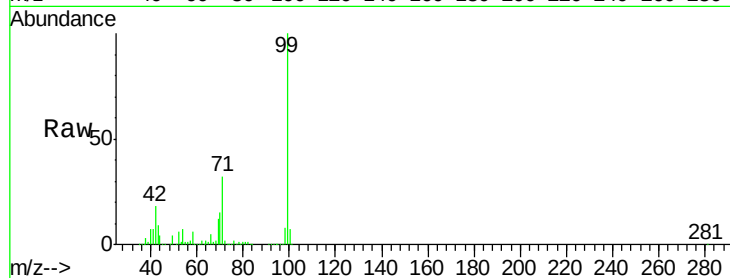
Tot Ion: 99 Resp: 1302161

Ion Ratio Lower Upper

99 100

42 18.4 15.0 22.6

71 31.7 27.0 40.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.340 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

Tgt Ion: 70 Resp: 111756

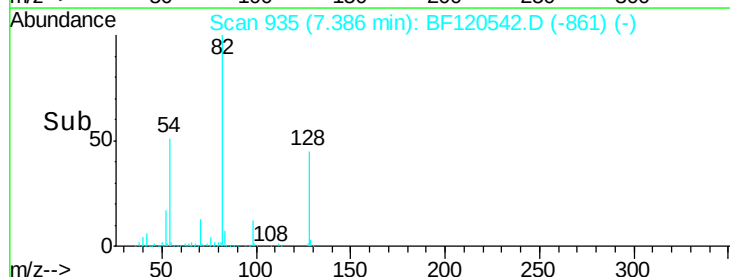
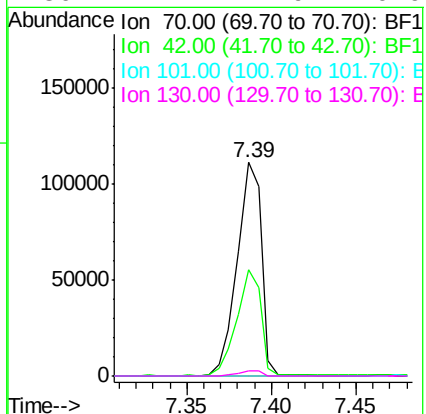
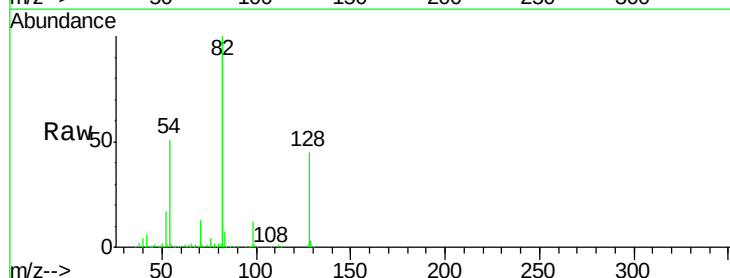
Ion Ratio Lower Upper

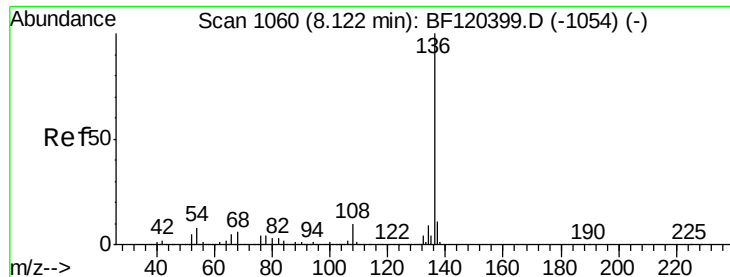
70 100

42 49.6 47.0 70.4

101 0.0 7.8 11.8#

130 2.2 17.9 26.9#

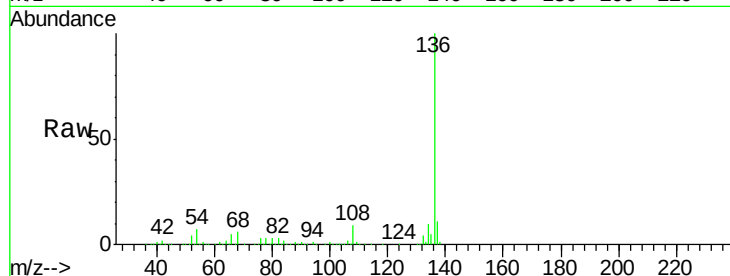




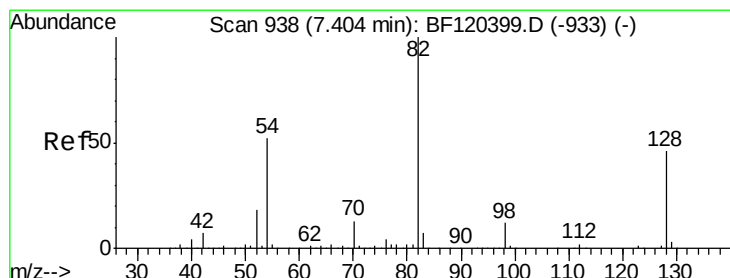
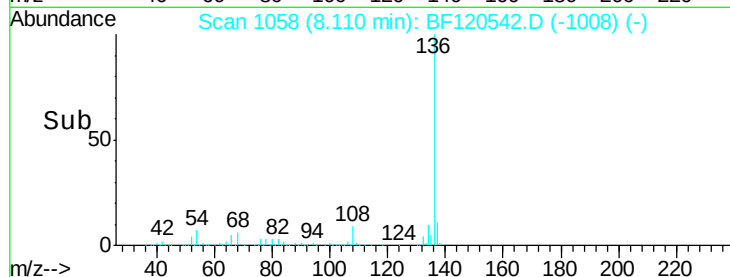
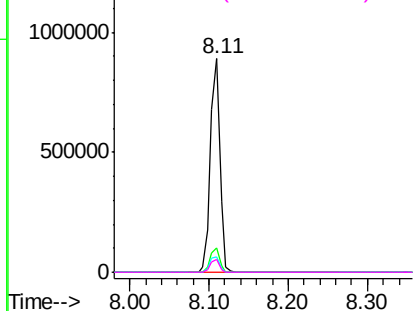
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

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

Tot Ion:136	Resp:	742829
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	7.4	5.4 8.0
68	5.9	4.3 6.5

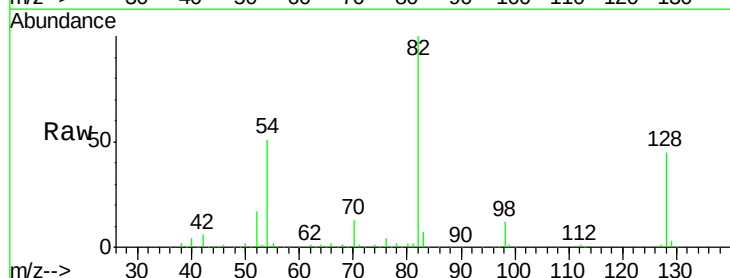


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

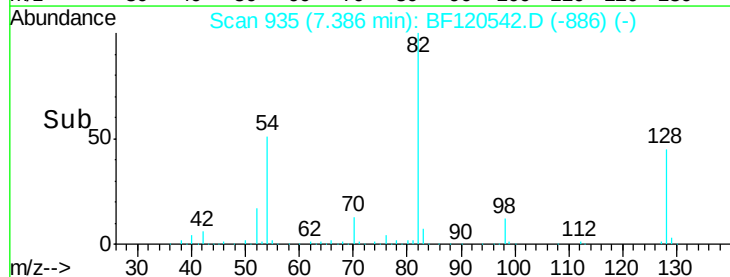
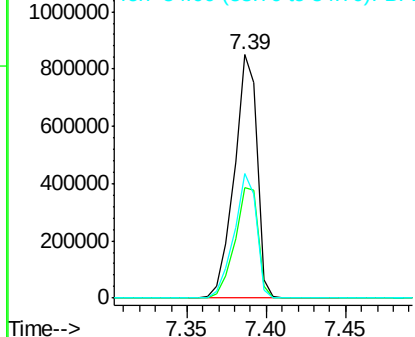


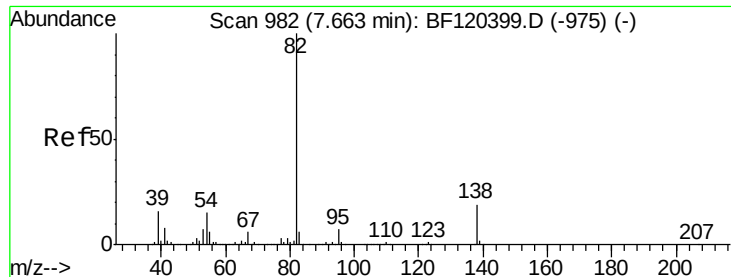
#23
Nitrobenzene-d5
Concen: 74.350 ng
RT: 7.39 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

Tgt Ion: 82	Resp:	844315
Ion	Ratio	Lower Upper
82	100	
128	45.4	36.7 55.1
54	51.1	40.0 60.0



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: 36.818 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

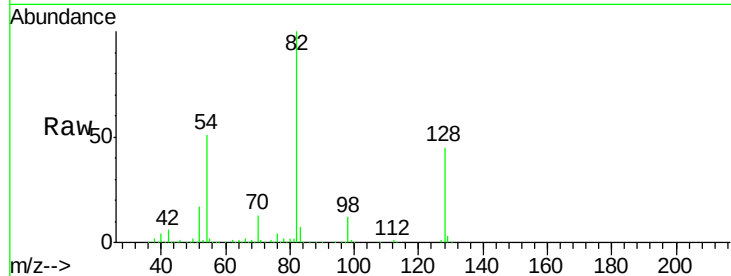
Tot Ion: 82 Resp: 840330

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

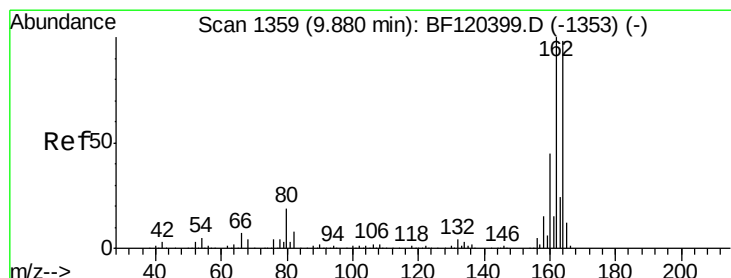
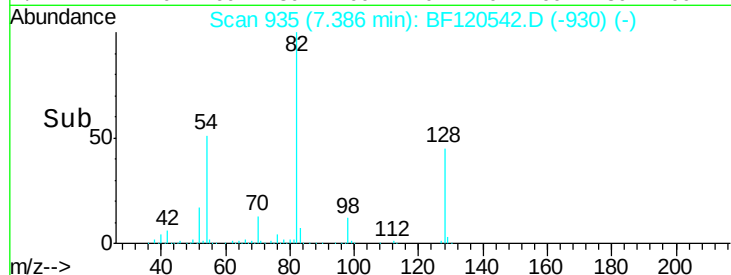
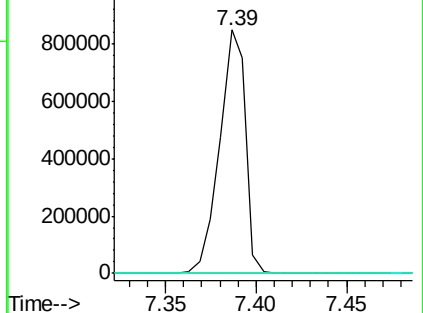
138 0.0 15.6 23.4#



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: 9.86 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

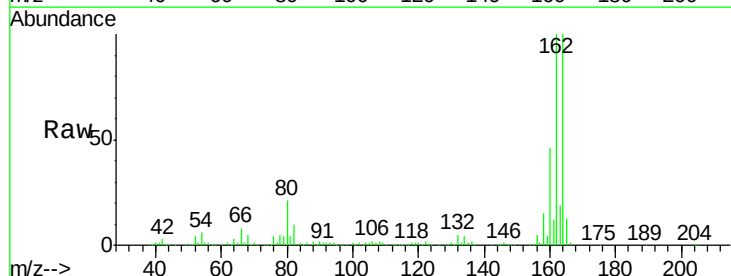
Tgt Ion:164 Resp: 354288

Ion Ratio Lower Upper

164 100

162 99.8 81.2 121.8

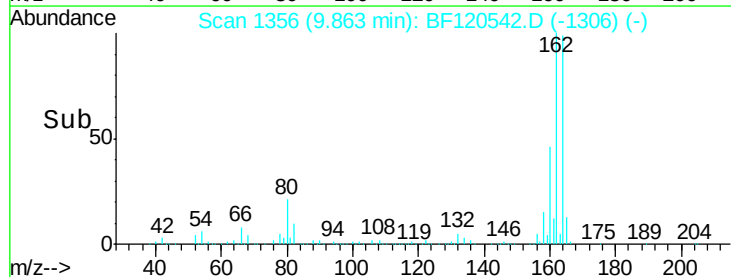
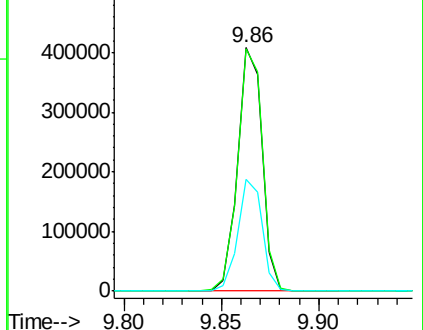
160 45.7 37.0 55.4

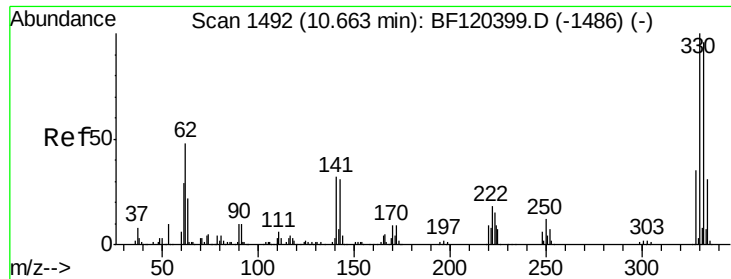


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

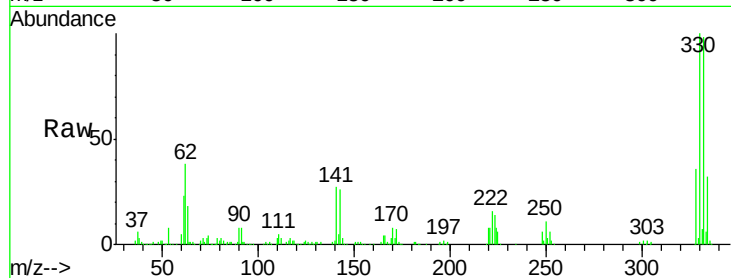




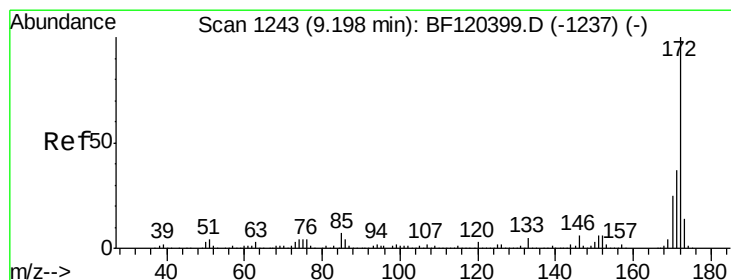
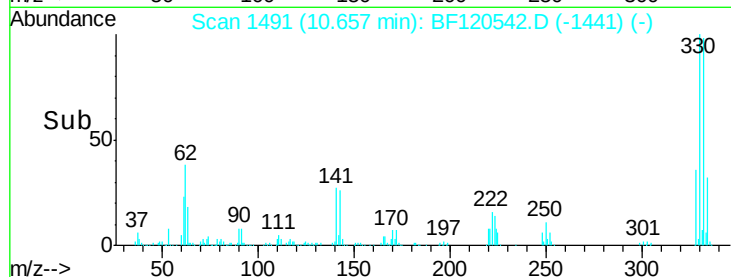
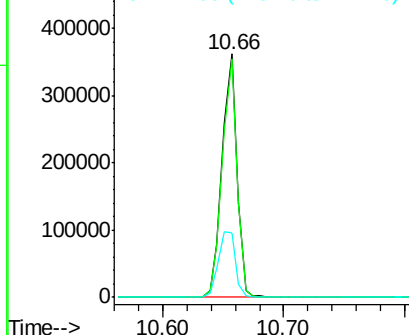
#42
 2,4,6-Tribromophenol
 Concen: 93.864 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120542.D
 Acq: 4 Jun 2020 19:17

Instrument :
 BNA_F
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 NMDUP05-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.4
141	30.6	23.8	35.8

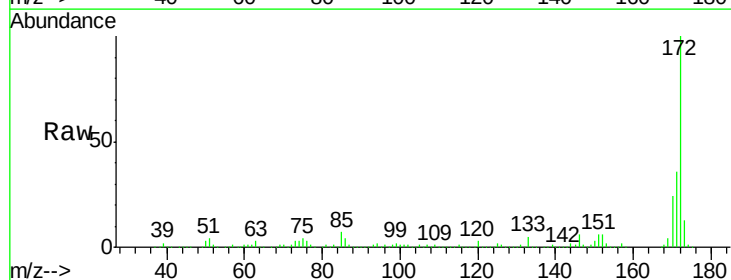


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

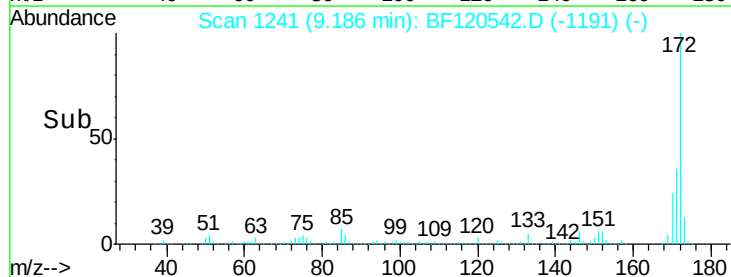
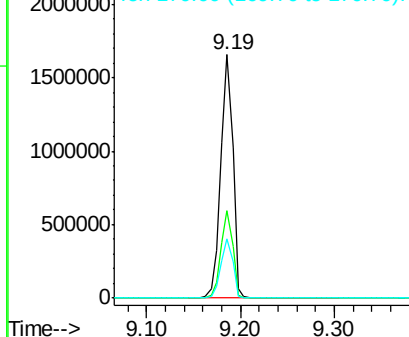


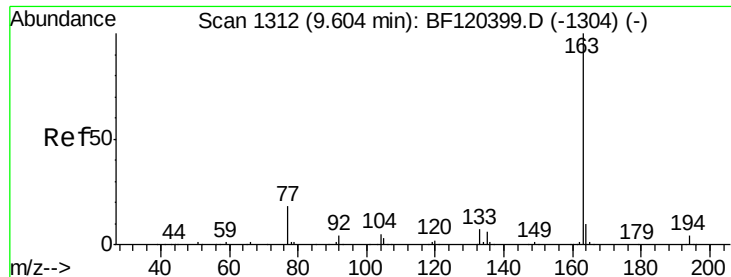
#45
 2-Fluorobiphenyl
 Concen: 71.401 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120542.D
 Acq: 4 Jun 2020 19:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.5	44.3
170	24.4	19.8	29.6



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

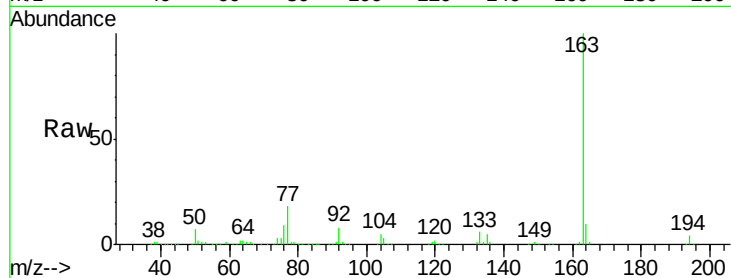




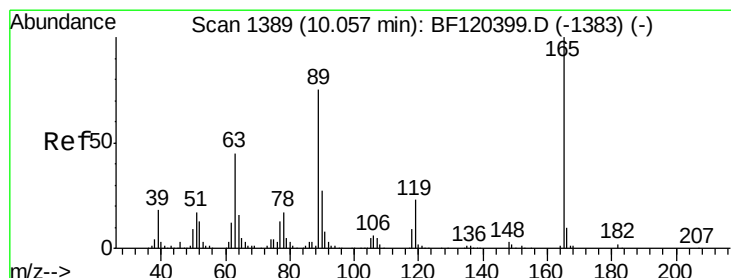
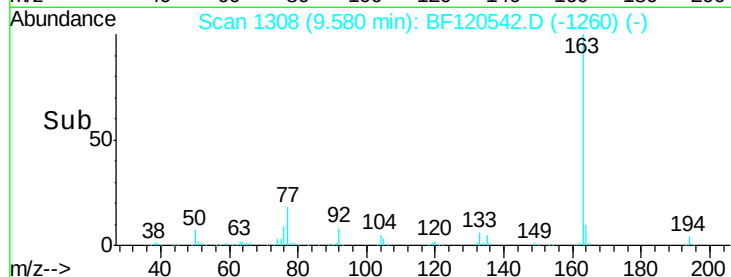
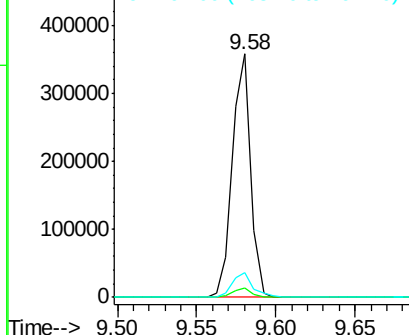
#50
Dimethylphthalate
Concen: 12.964 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

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

Tot Ion:163 Resp: 287139
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.3 8.0 12.0

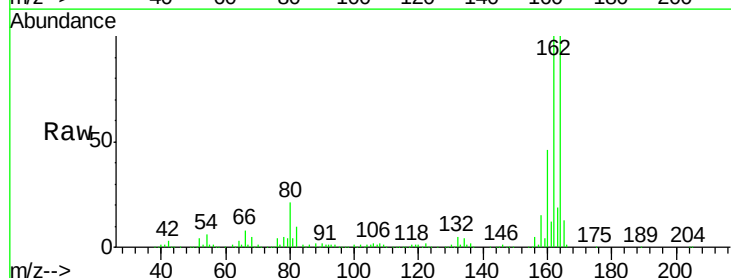


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

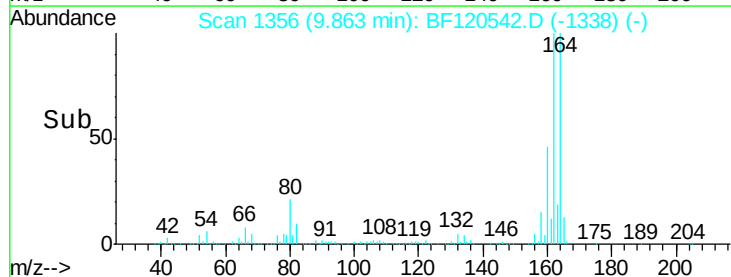
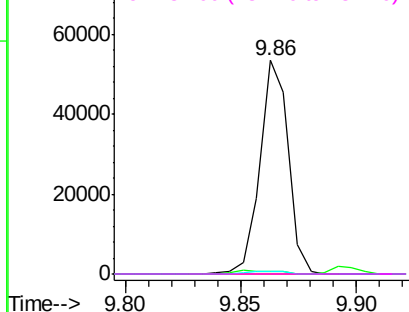


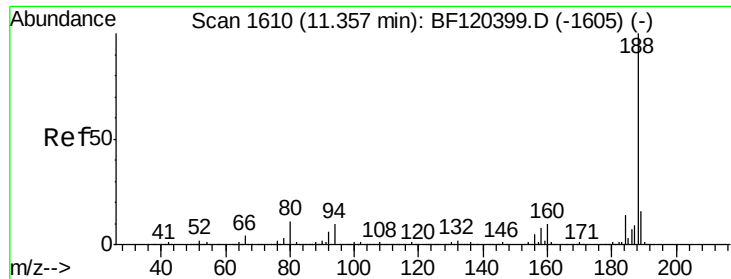
#57
2,4-Dinitrotoluene
Concen: 7.283 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.19 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

Tgt Ion:165 Resp: 45883
Ion Ratio Lower Upper
165 100
63 1.5 34.1 51.1#
89 1.3 56.2 84.4#
182 0.0 2.0 3.0#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

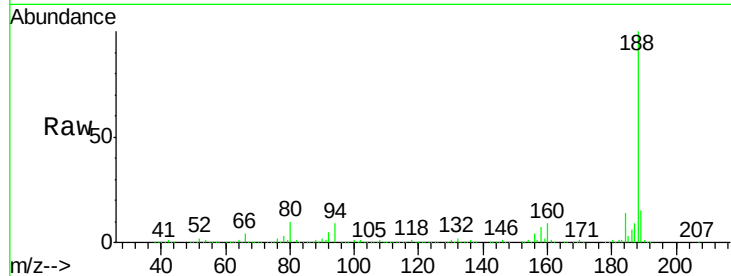
Tot Ion:188 Resp: 566713

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

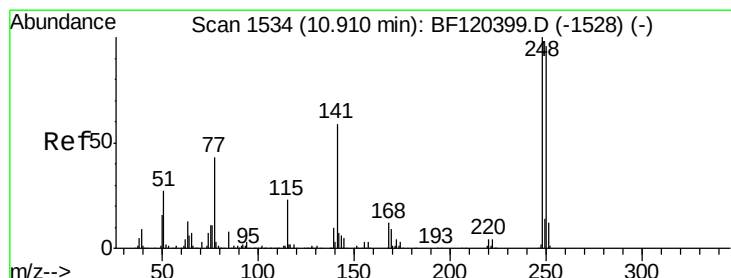
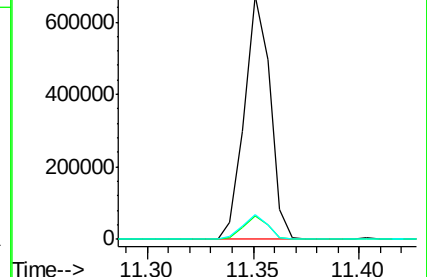
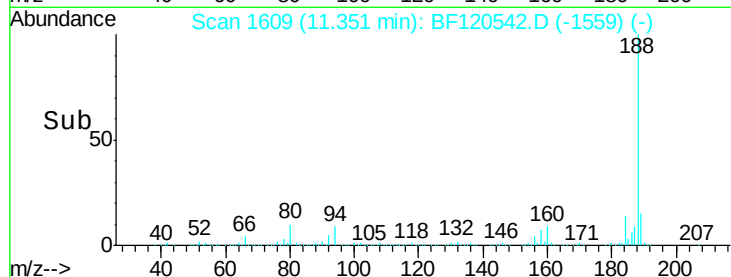
80 10.2 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.227 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.25 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

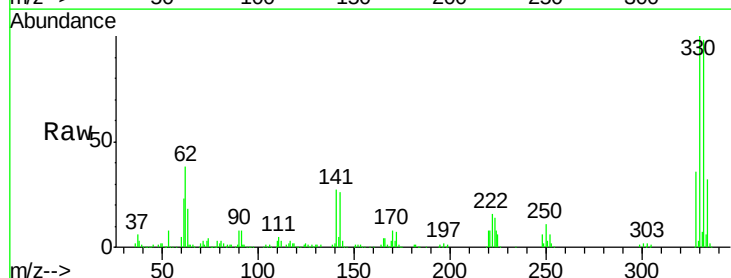
Tgt Ion:248 Resp: 18460

Ion Ratio Lower Upper

248 100

250 193.1 77.4 116.0#

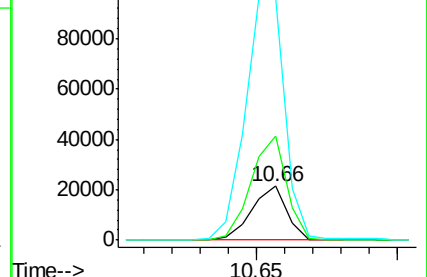
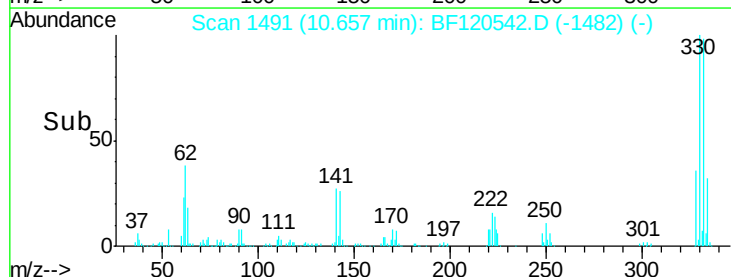
141 448.9 46.1 69.1#

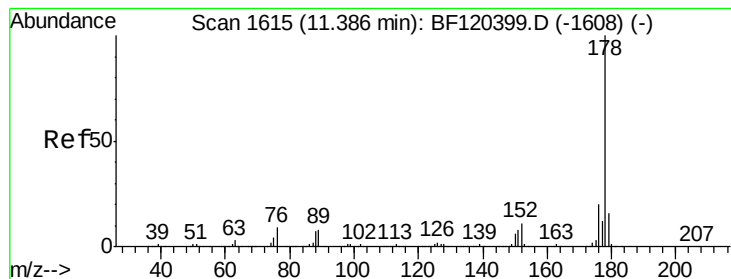


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 10.481 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

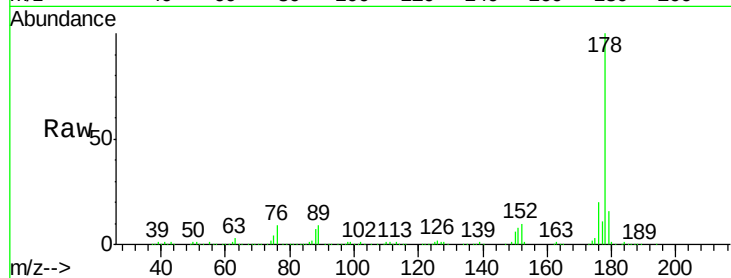
Tot Ion:178 Resp: 261716

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.2

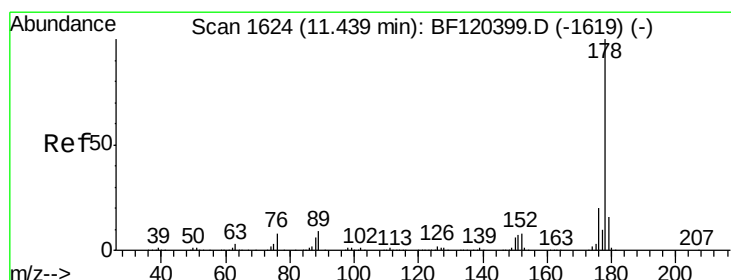
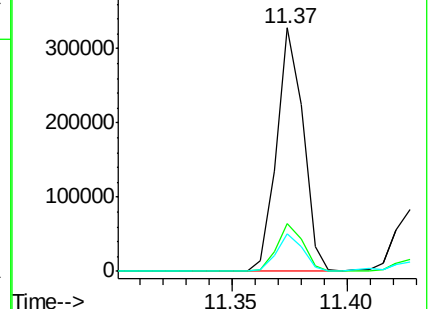
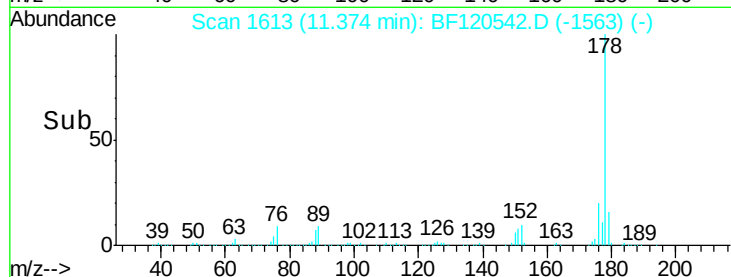
179 15.6 12.8 19.2



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



#72

Anthracene

Concen: 2.633 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

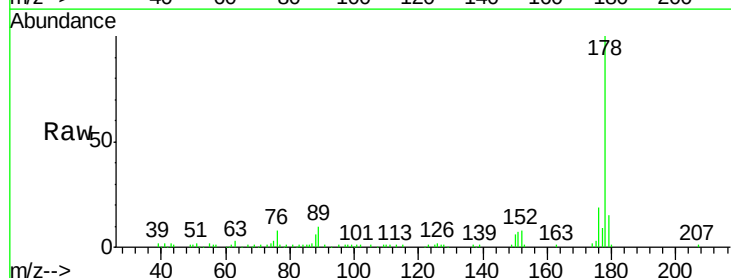
Tgt Ion:178 Resp: 65981

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

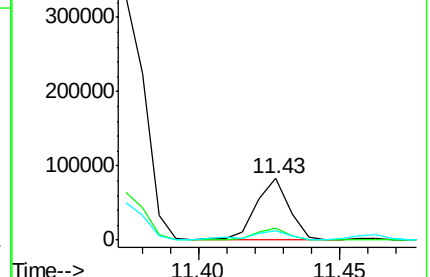
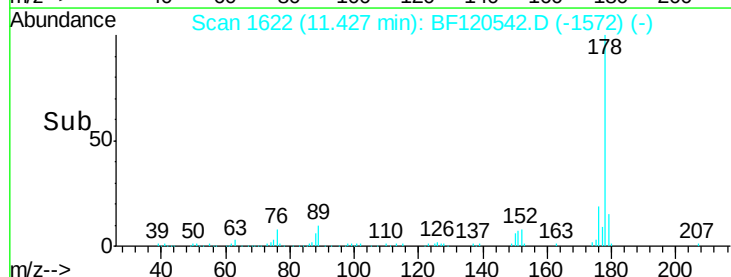
179 15.2 12.9 19.3

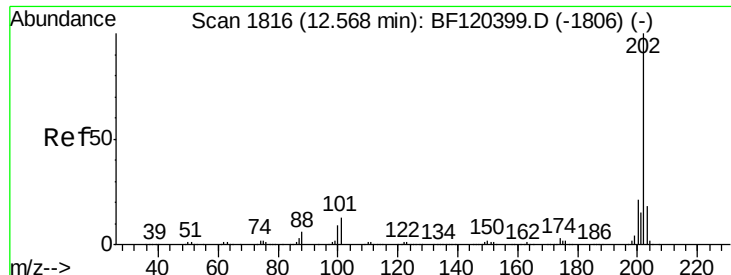


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

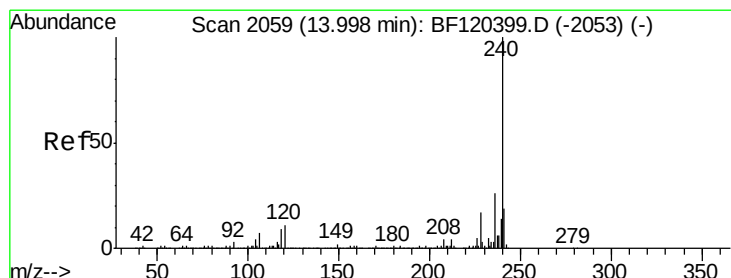
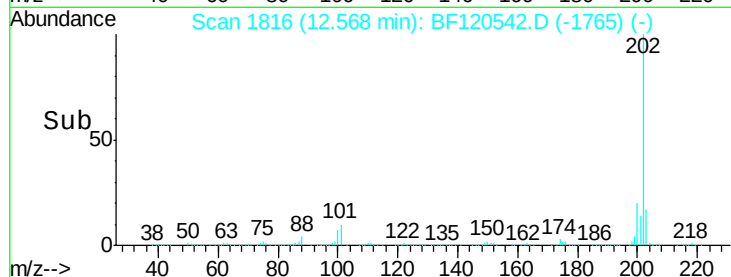
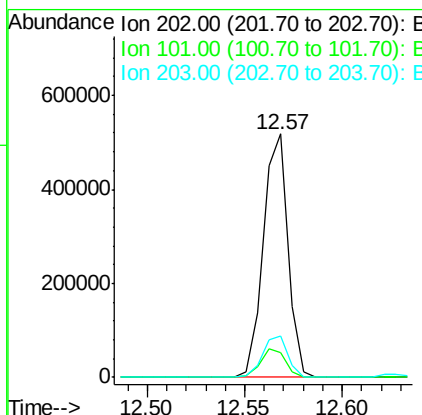
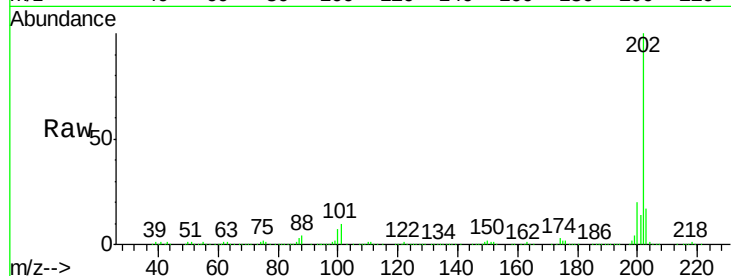




#75
Fluoranthene
Concen: 16.826 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

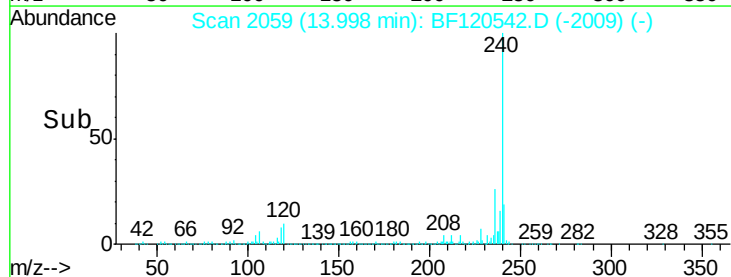
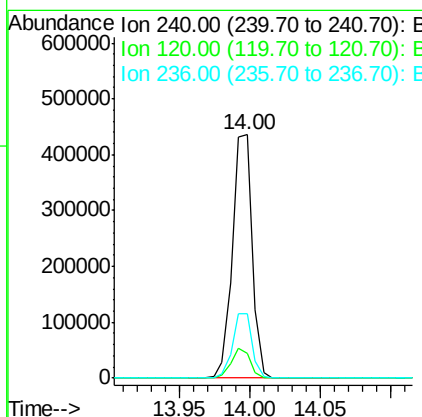
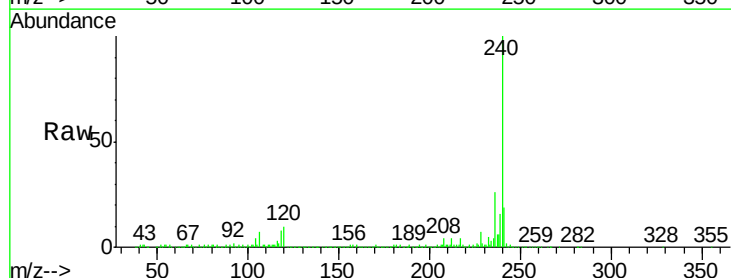
Instrument :
BNA_F
ClientSampleId :
NMDUP05-2020-0-6

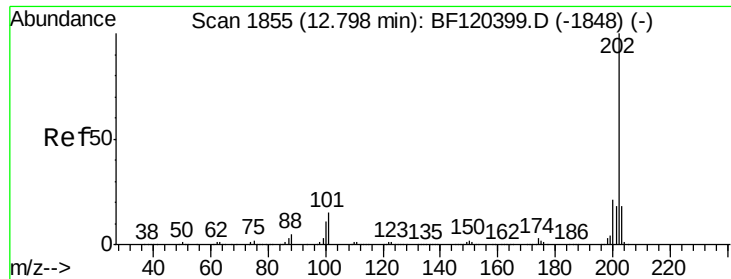
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.3
203	17.3	0.0	38.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.7	11.5
236	26.3	20.8	31.2





#78

Pvrene

Concen: 13.752 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

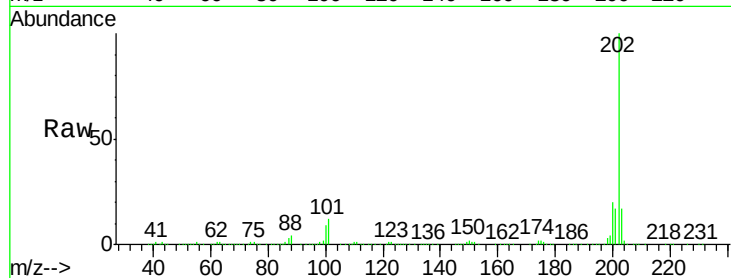
Tot Ion:202 Resp: 407648

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

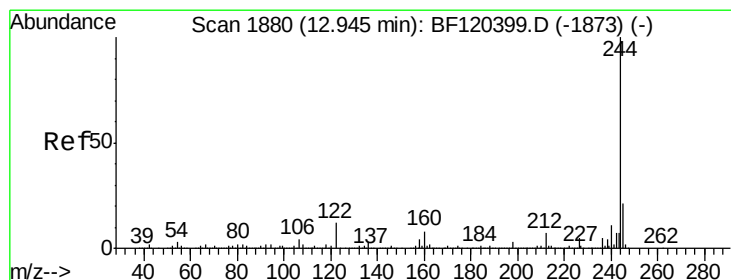
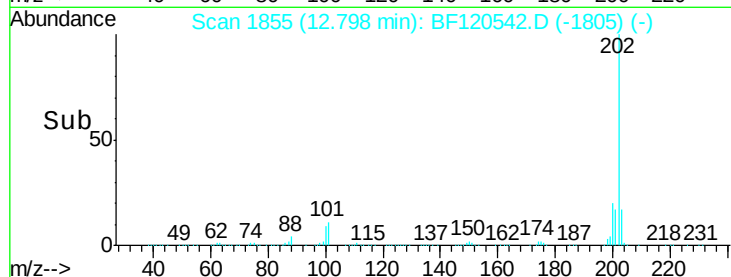
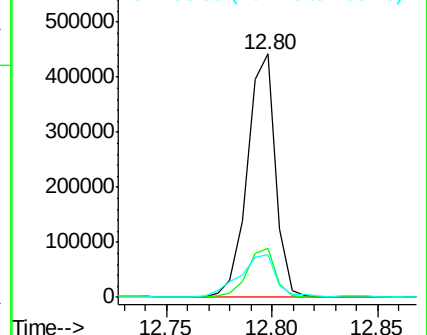
203 17.4 14.2 21.2



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: 67.970 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

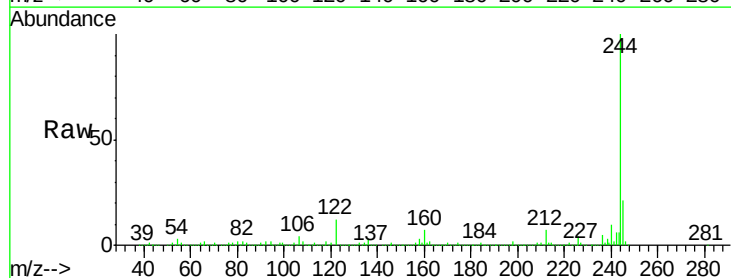
Tgt Ion:244 Resp: 1302018

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

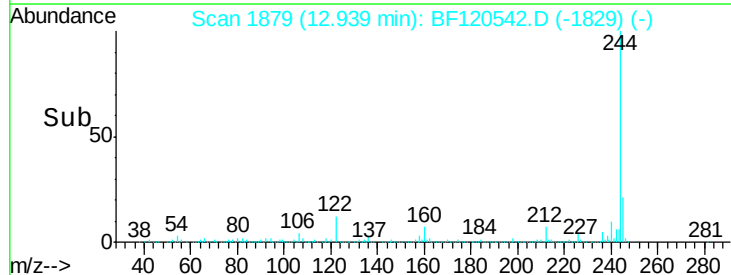
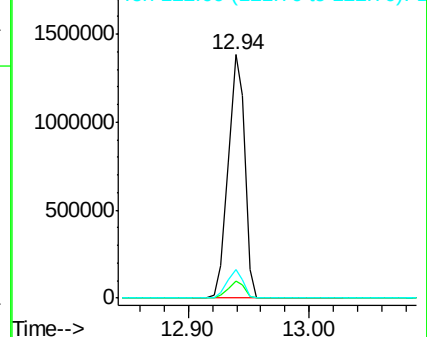
122 11.9 8.0 12.0

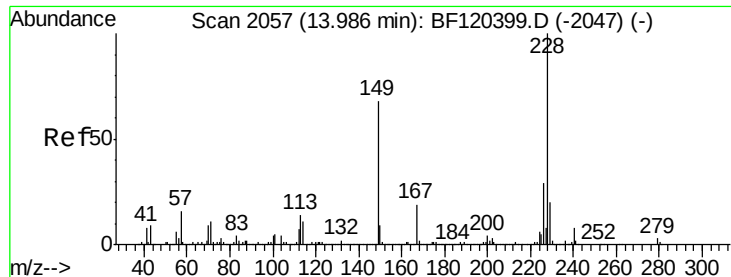


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 9.707 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

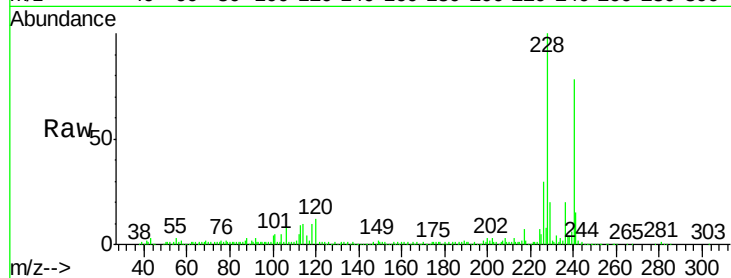
Tot Ion:228 Resp: 221751

Ion Ratio Lower Upper

228 100

226 29.7 22.4 33.6

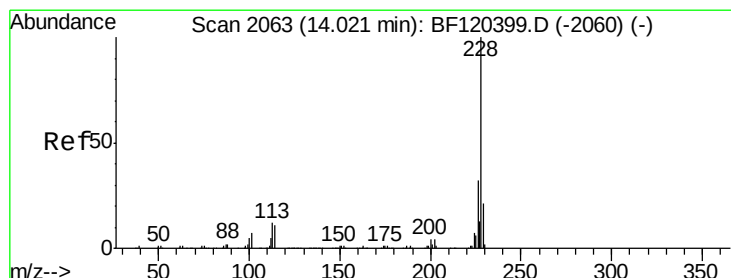
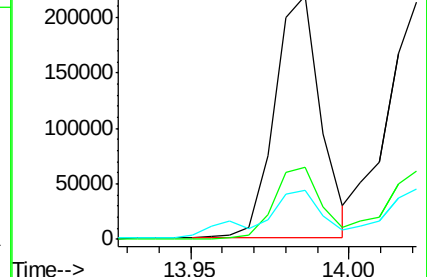
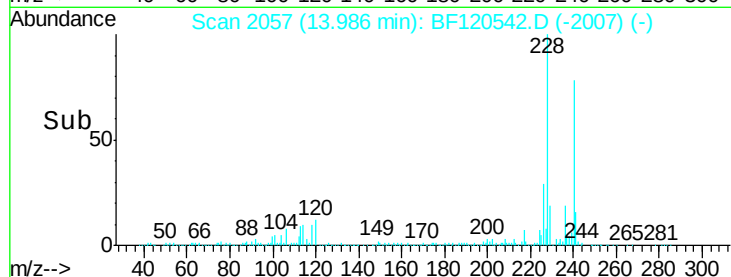
229 20.1 16.2 24.2



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: 8.635 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

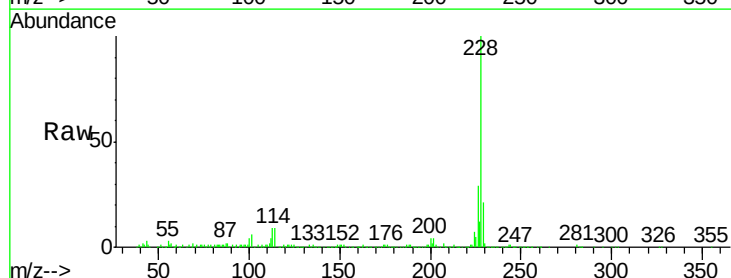
Tgt Ion:228 Resp: 206820

Ion Ratio Lower Upper

228 100

226 29.0 25.6 38.4

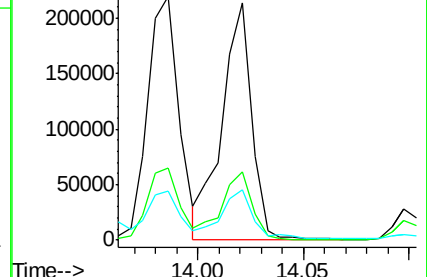
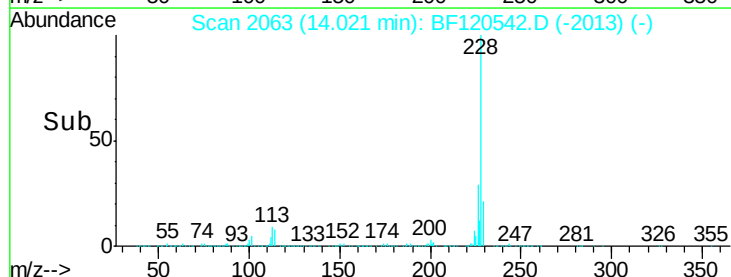
229 21.4 16.2 24.2

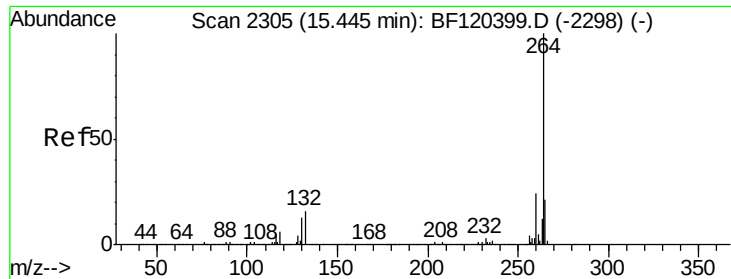


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



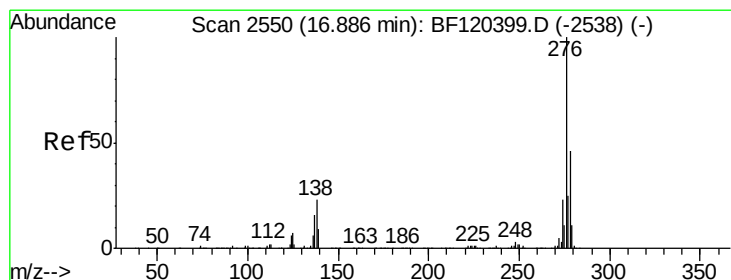
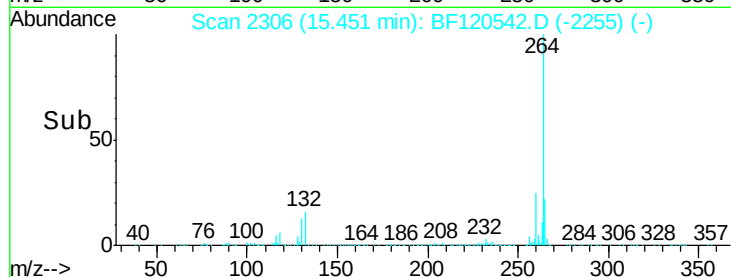
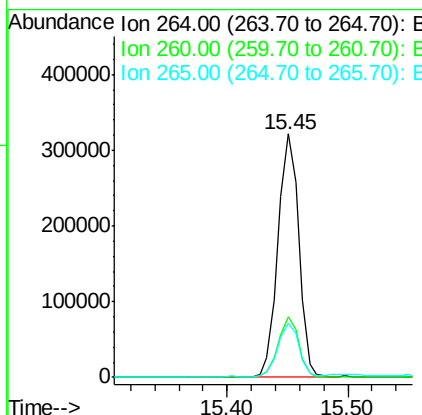
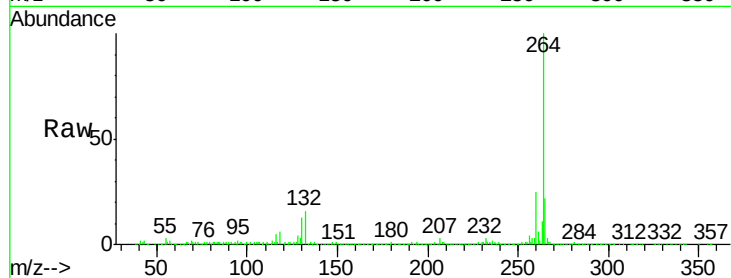


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

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

Tot Ion:264 Resp: 379227

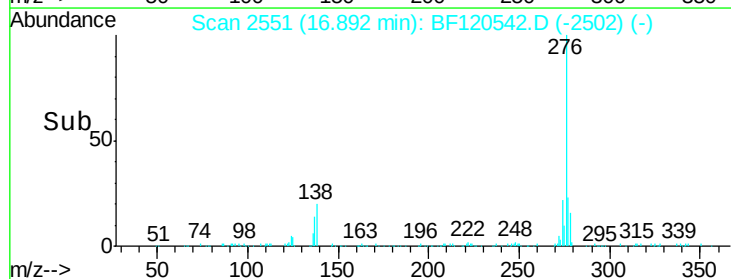
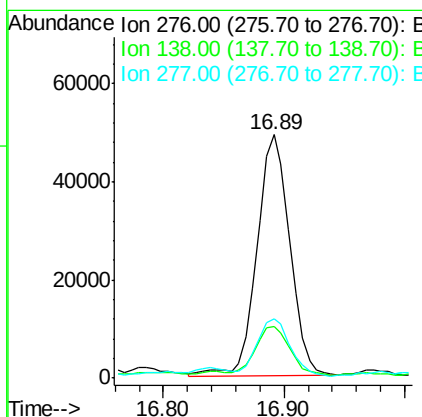
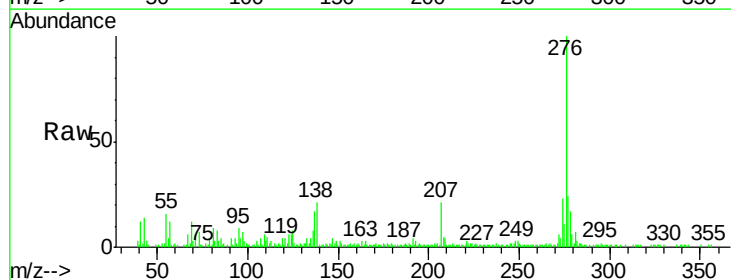
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.3	17.5	26.3

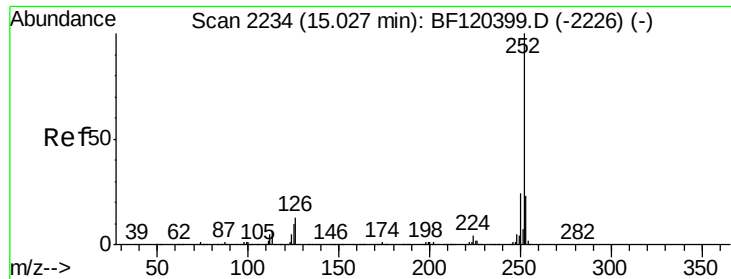


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.459 ng
RT: 16.89 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

Tgt Ion:276 Resp: 92492

Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.2	28.8
277	23.9	20.3	30.5

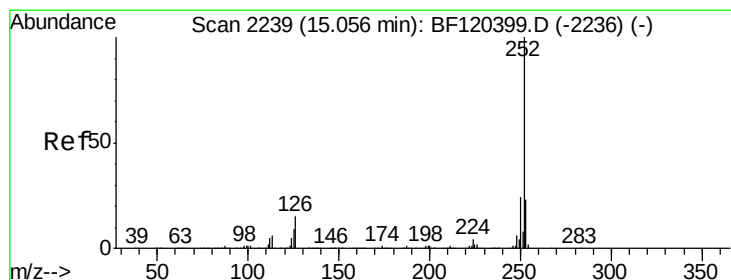
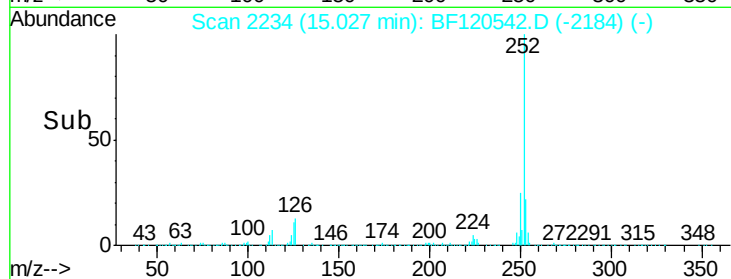
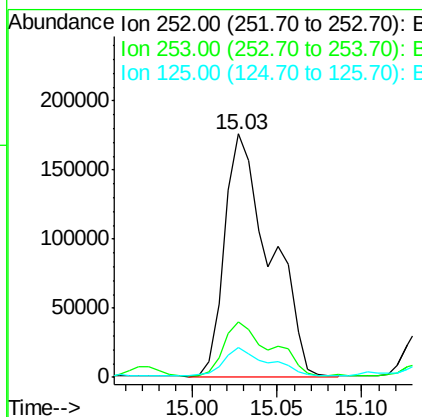
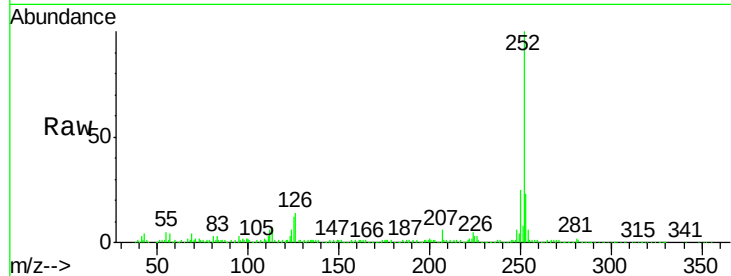




#88
Benzo(b)fluoranthene
Concen: 15.549 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

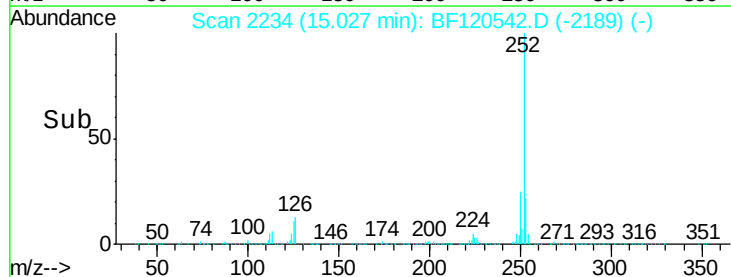
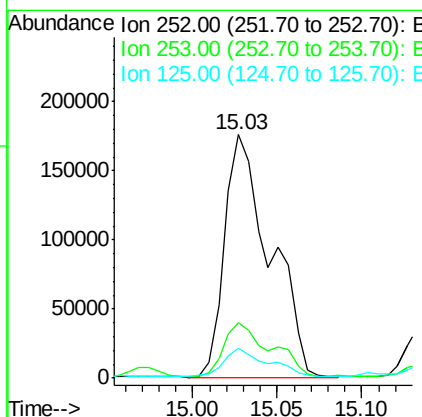
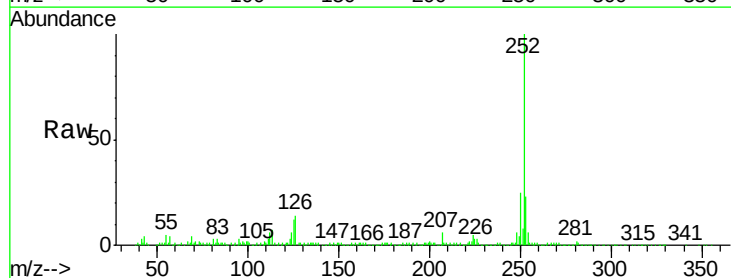
Instrument :
BNA_F
ClientSampleId :
NMDUP05-2020-0-6

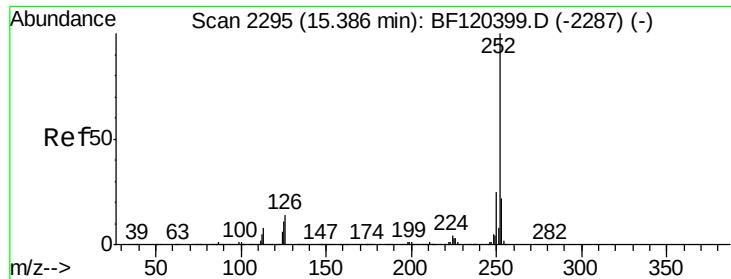
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.0	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 16.655 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120542.D
Acq: 4 Jun 2020 19:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	12.0	8.6	13.0





#90

Benzo(a)pyrene

Concen: 8.886 ng

RT: 15.39 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

NMDUP05-2020-0-6

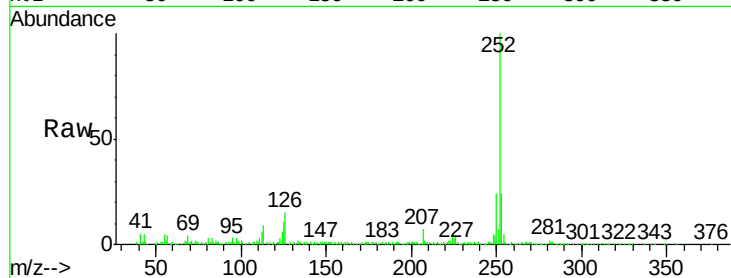
Tot Ion:252 Resp: 163709

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

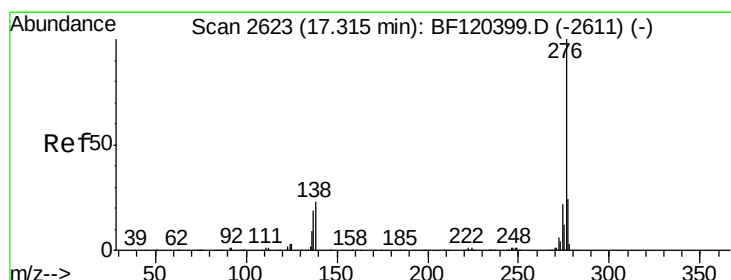
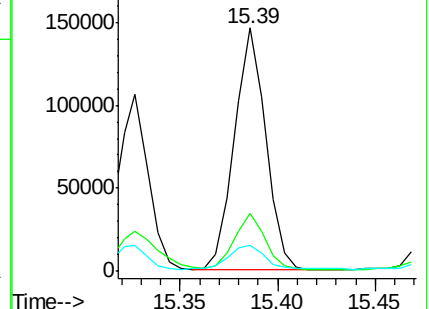
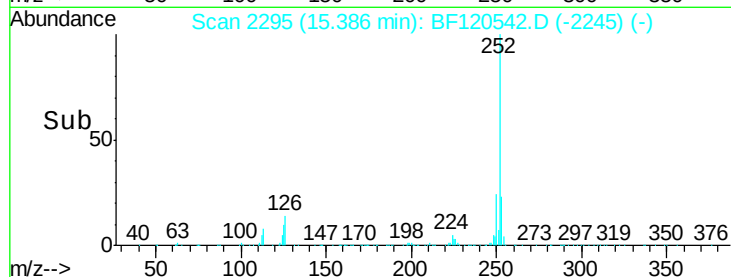
125 10.8 9.6 14.4



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



#92

Benzo(g,h,i)perylene

Concen: 5.025 ng

RT: 17.33 min Scan# 2625

Delta R.T. -0.02 min

Lab File: BF120542.D

Acq: 4 Jun 2020 19:17

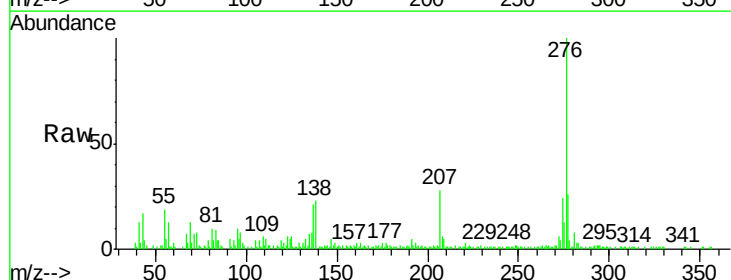
Tgt Ion:276 Resp: 83814

Ion Ratio Lower Upper

276 100

277 25.8 19.3 28.9

138 22.8 16.9 25.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

