

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121107.D
 Acq On : 29 Jul 2020 17:55
 Operator : JU/CG
 Sample : L3181-06 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-072720

Quant Time: Jul 29 18:20:09 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	6.80	152	154552	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	569142	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	295770	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	521779	20.00	ng	0.00
76) Chrysene-d12	13.96	240	381587	20.00	ng	0.00
86) Perylene-d12	15.40	264	440397	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	193793	20.56	ng	0.00
7) Phenol-d6	6.43	99	236509	19.42	ng	-0.01
23) Nitrobenzene-d5	7.36	82	139362	14.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	64627	19.96	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	304709	15.38	ng	0.00
79) Terphenyl-d14	12.90	244	268325	15.29	ng	0.00

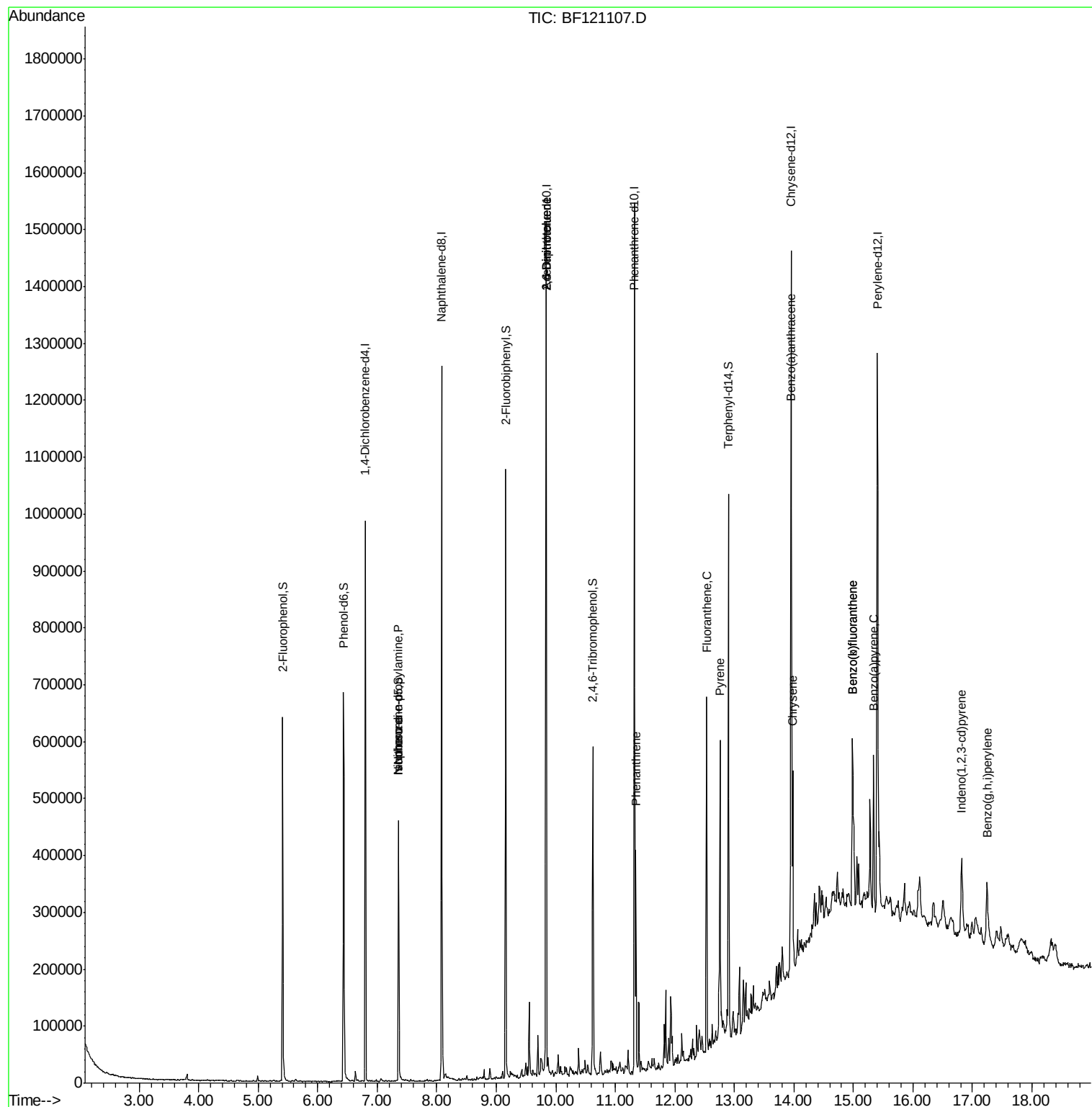
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	312	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	17633	2.546	ng	# 80
25) Isophorone	7.36	82	134939	6.874	ng	# 62
51) 2,6-Dinitrotoluene	9.84	165	38607	8.422	ng	# 27
57) 2,4-Dinitrotoluene	9.84	165	38607	6.413	ng	# 29
71) Phenanthrene	11.35	178	132249	4.928	ng	98
75) Fluoranthene	12.53	202	242654	8.158	ng	99
78) Pyrene	12.76	202	219383	8.132	ng	99
81) Benzo(a)anthracene	13.94	228	137591	5.955	ng	95
83) Chrysene	13.98	228	125585	5.172	ng	98
87) Indeno(1,2,3-cd)pyrene	16.82	276	86890	2.837	ng	97
88) Benzo(b)fluoranthene	14.99	252	229391	8.617	ng	99
89) Benzo(k)fluoranthene	14.99	252	229391	9.449	ng	99
90) Benzo(a)pyrene	15.34	252	128019	5.271	ng	99
92) Benzo(a,h,i)perylene	17.24	276	79246	3.212	ng	99

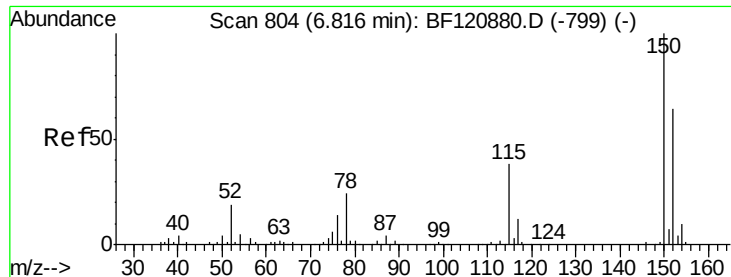
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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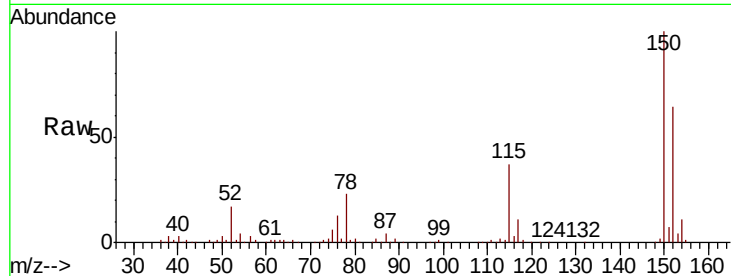


#1

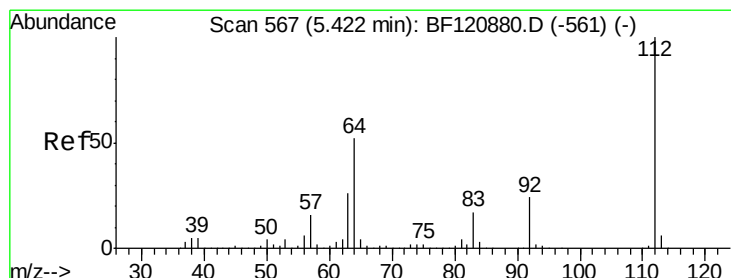
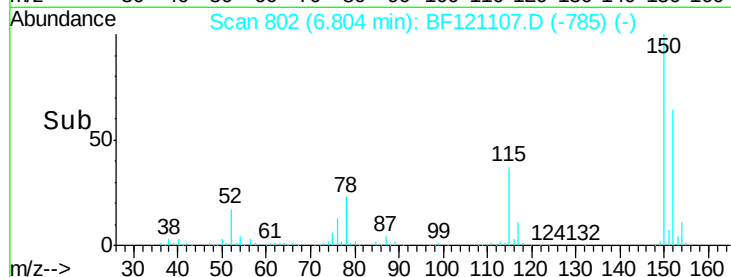
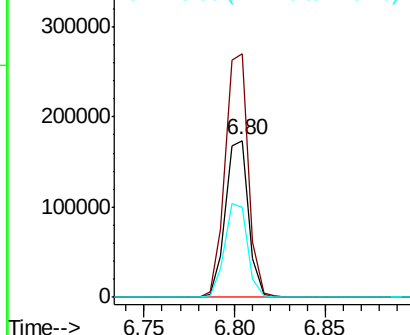
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion:152 Resp: 154552
Ion Ratio Lower Upper
152 100
150 155.3 125.6 188.4
115 57.4 46.2 69.2



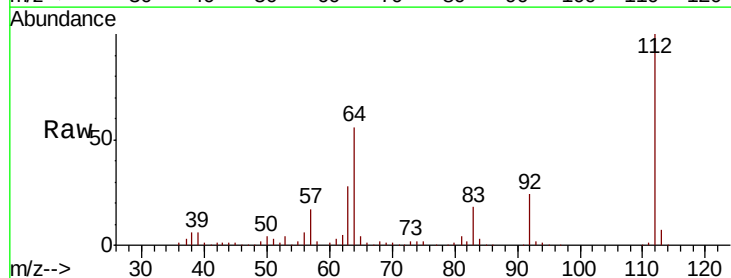
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



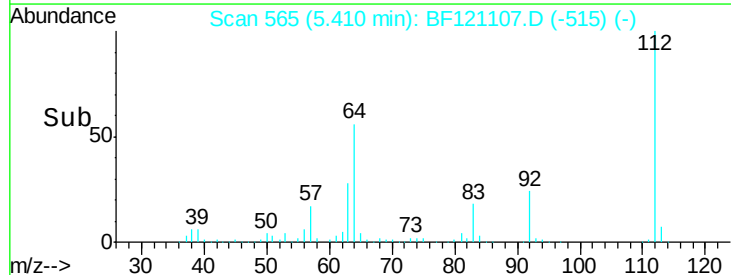
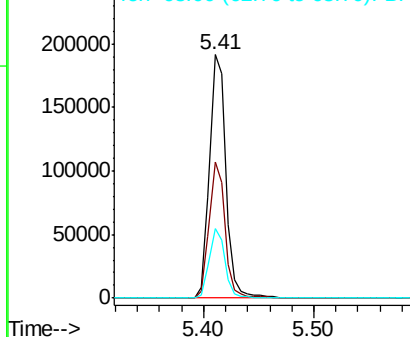
#5

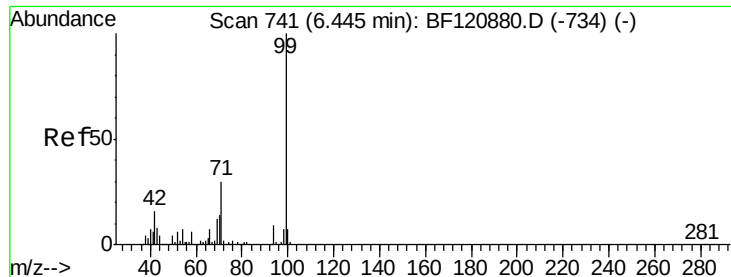
2-Fluorophenol
Concen: 20.556 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion:112 Resp: 193793
Ion Ratio Lower Upper
112 100
64 56.0 43.9 65.9
63 28.5 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: 19.421 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

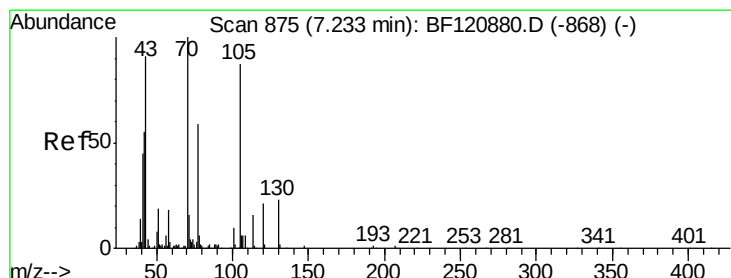
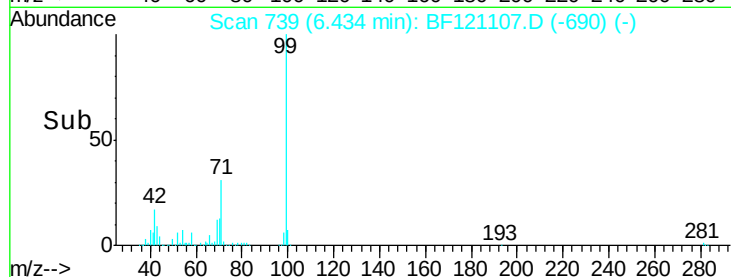
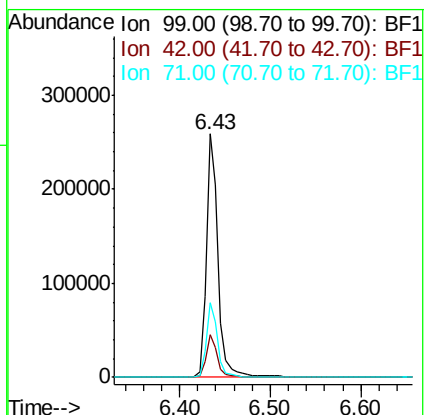
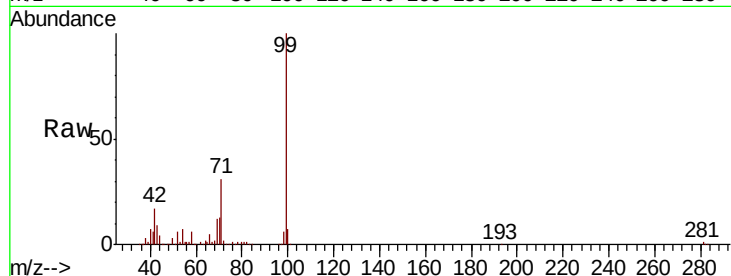
Tot Ion: 99 Resp: 236509

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

71 30.5 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.546 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Tgt Ion: 70 Resp: 17633

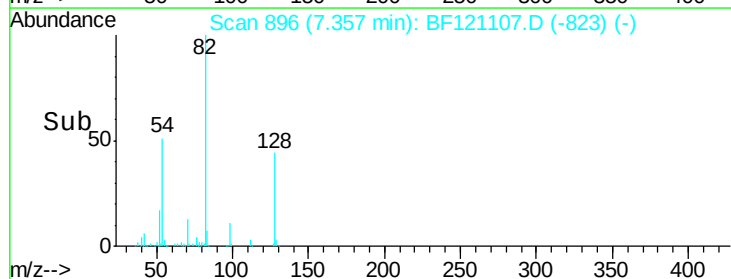
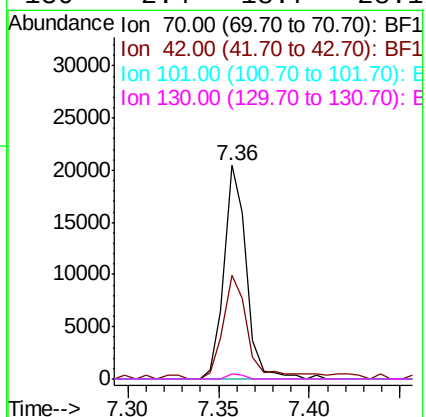
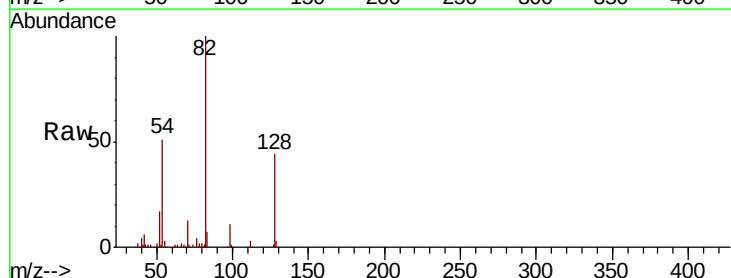
Ion Ratio Lower Upper

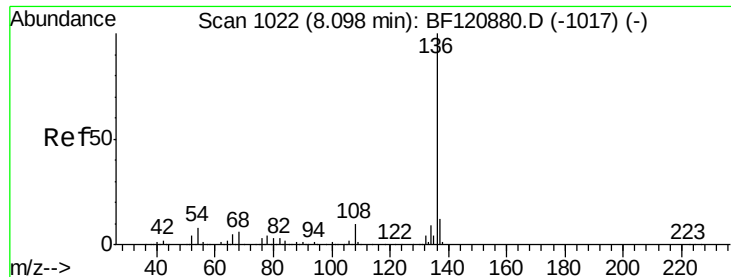
70 100

42 48.3 43.3 64.9

101 0.0 8.4 12.6#

130 2.4 18.7 28.1#

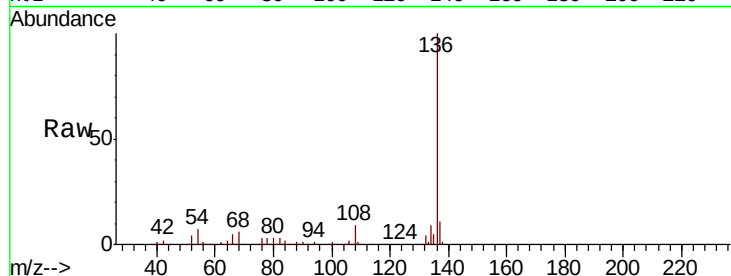




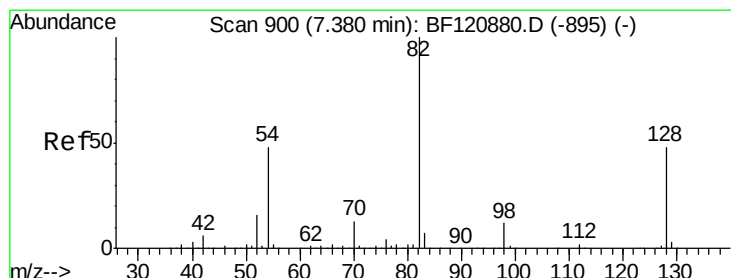
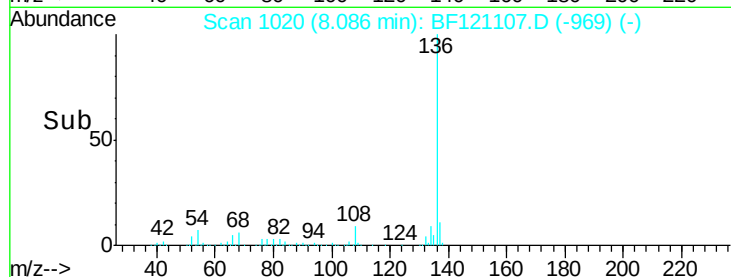
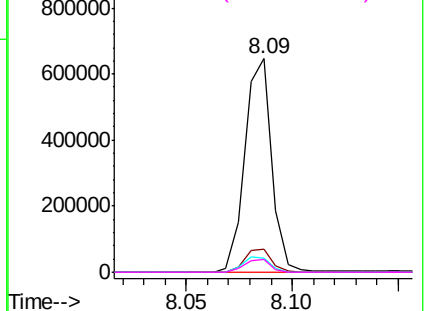
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion:136	Resp:	569142
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.0 13.4
54	6.8	6.1 9.1
68	5.8	5.0 7.6

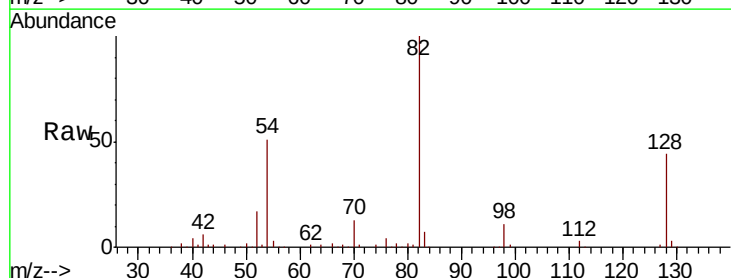


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

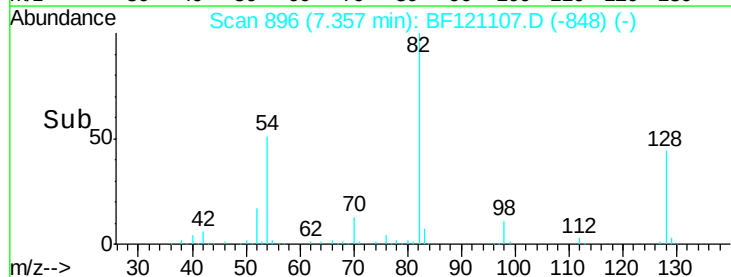
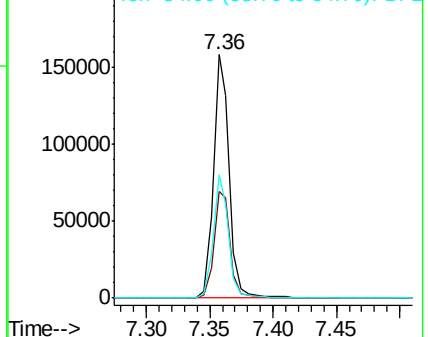


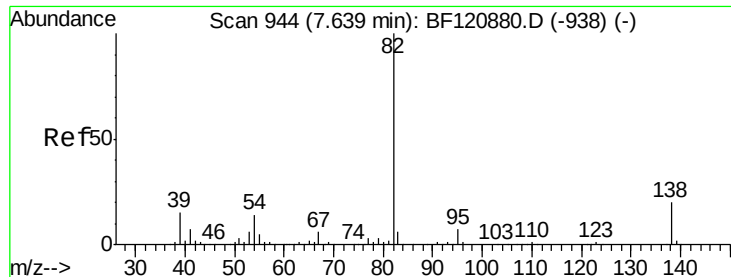
#23
Nitrobenzene-d5
Concen: 14.169 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion: 82	Resp:	139362
Ion	Ratio	Lower Upper
82	100	
128	43.8	39.2 58.8
54	50.7	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: 6.874 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

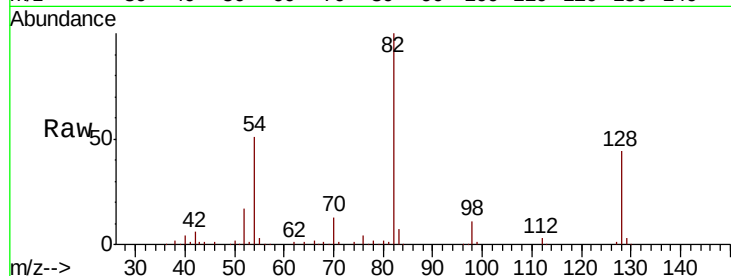
Tot Ion: 82 Resp: 134939

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

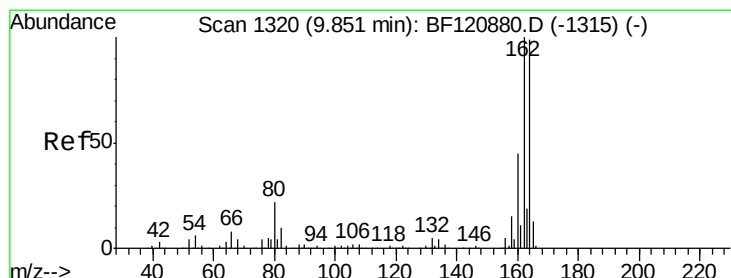
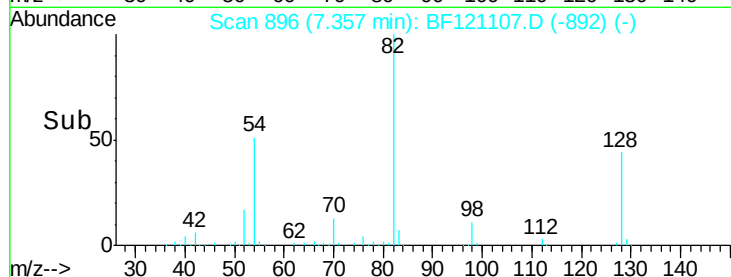
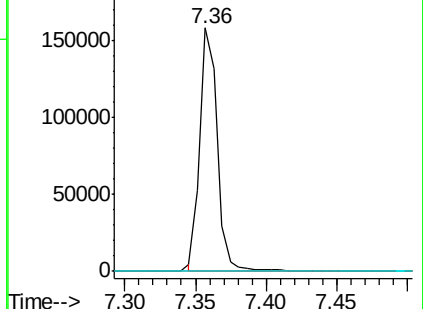
138 0.0 16.2 24.2#



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: 9.84 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

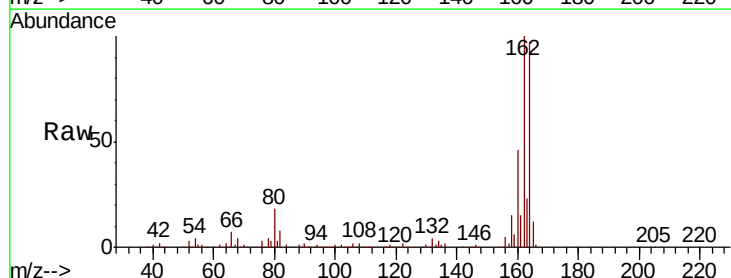
Tgt Ion:164 Resp: 295770

Ion Ratio Lower Upper

164 100

162 103.4 82.2 123.2

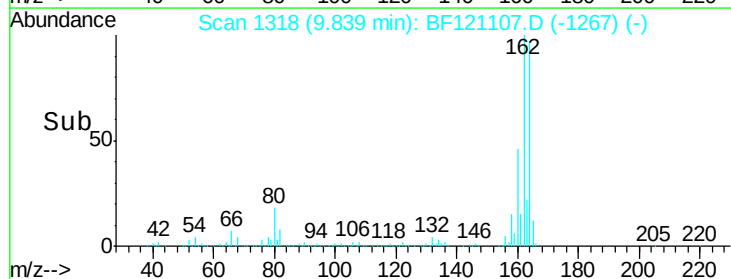
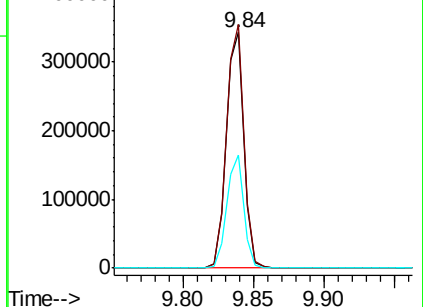
160 47.8 37.2 55.8

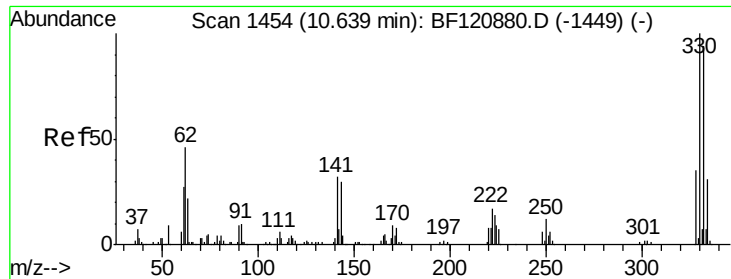


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

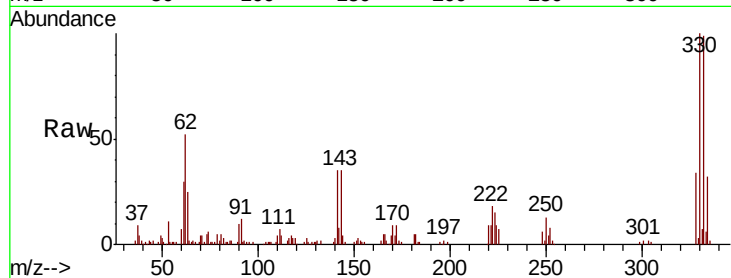




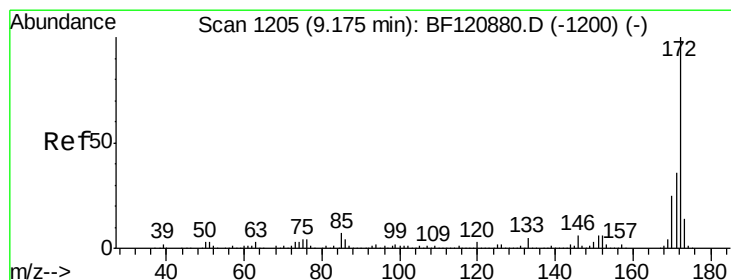
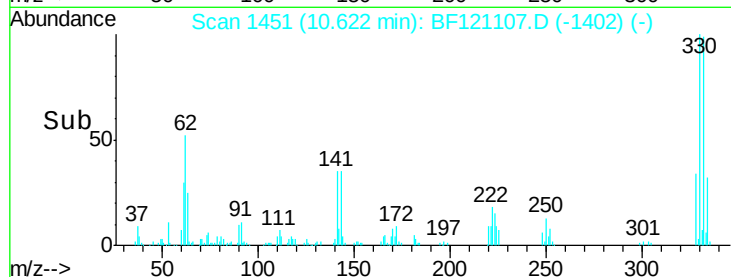
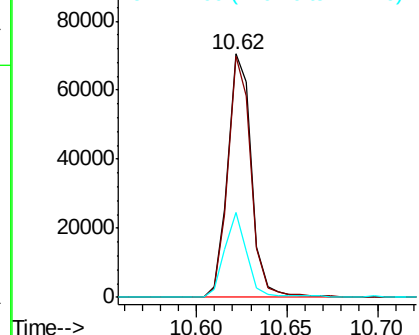
#42
 2,4,6-Tribromophenol
 Concen: 19.962 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF121107.D
 Acq: 29 Jul 2020 17:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-072720

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.1	114.1
141	33.1	24.1	36.1

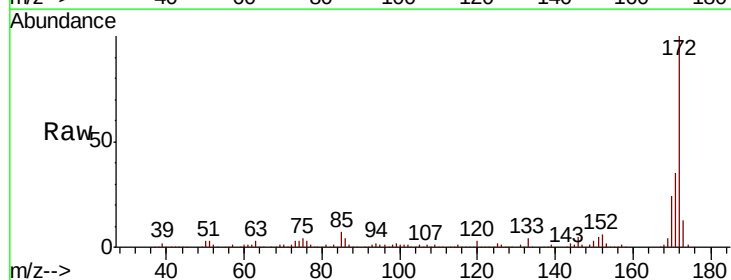


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

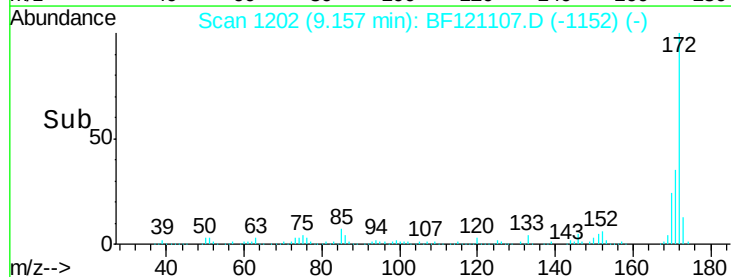
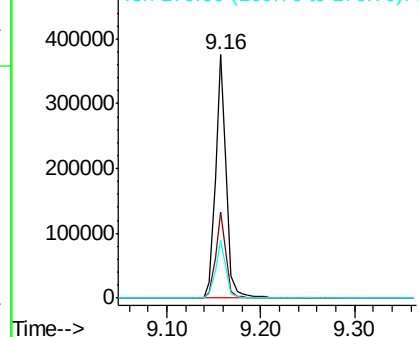


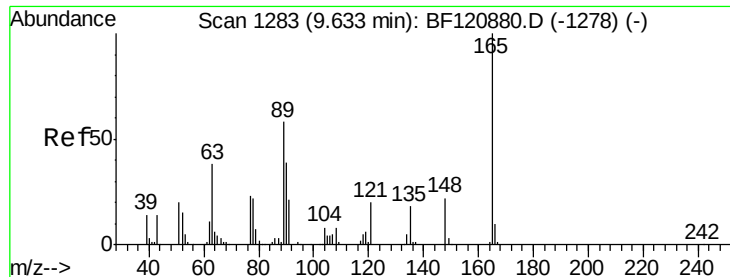
#45
 2-Fluorobiphenyl
 Concen: 15.382 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121107.D
 Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	24.1	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





#51

2,6-Dinitrotoluene

Concen: 8.422 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

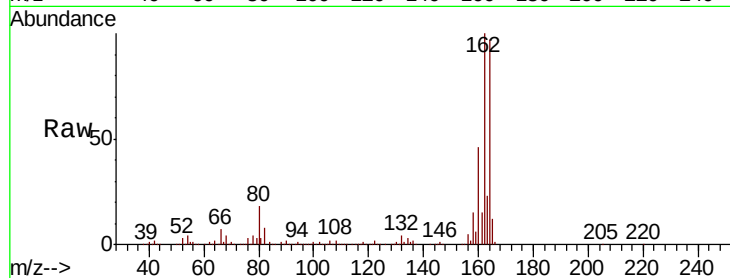
Tot Ion:165 Resp: 38607

Ion Ratio Lower Upper

165 100

63 1.1 41.1 61.7#

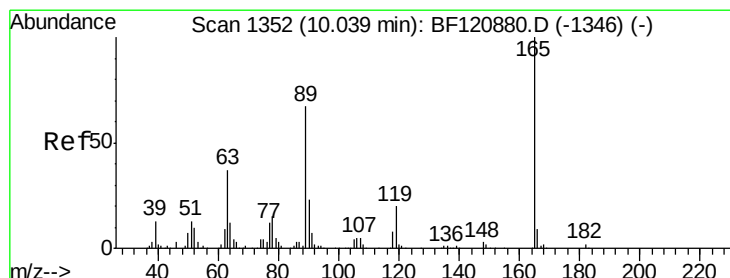
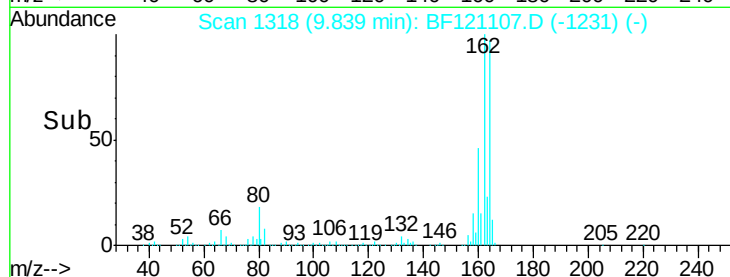
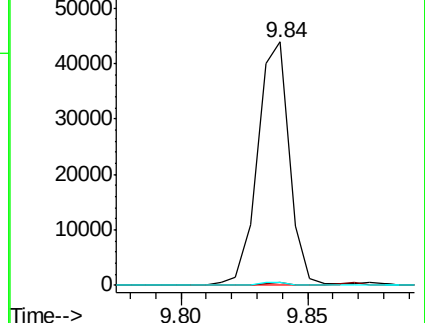
89 1.4 43.5 65.3#



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: 6.413 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Tgt Ion:165 Resp: 38607

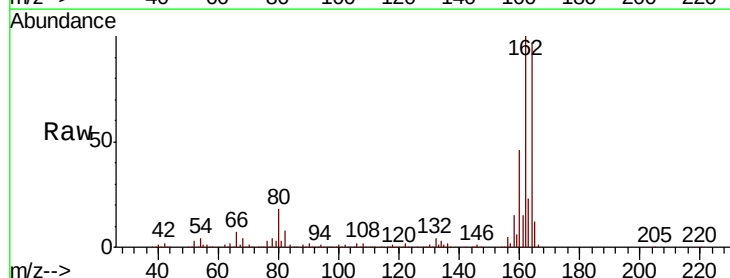
Ion Ratio Lower Upper

165 100

63 1.1 29.8 44.8#

89 1.4 50.3 75.5#

182 0.0 2.1 3.1#

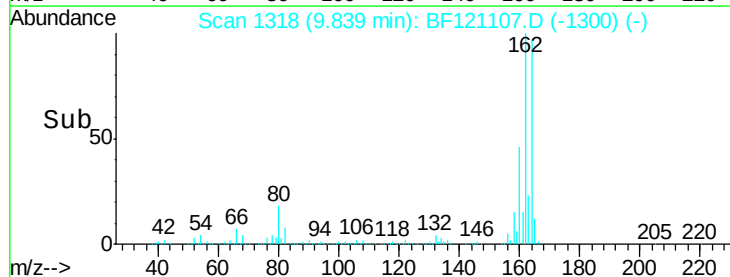
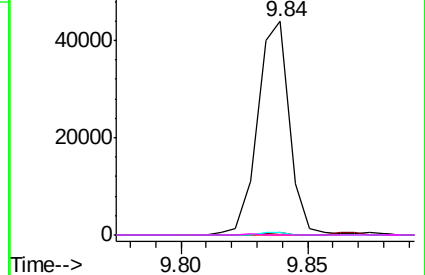


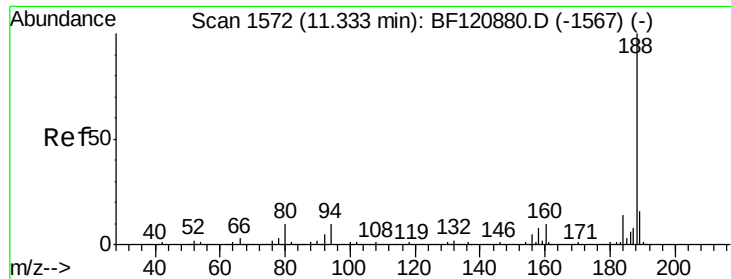
Abundance Ion 165.00 (164.70 to 165.70): E

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

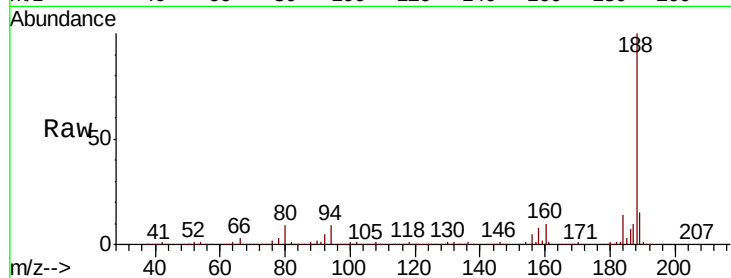




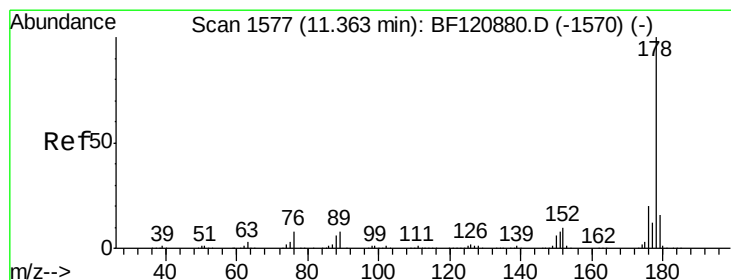
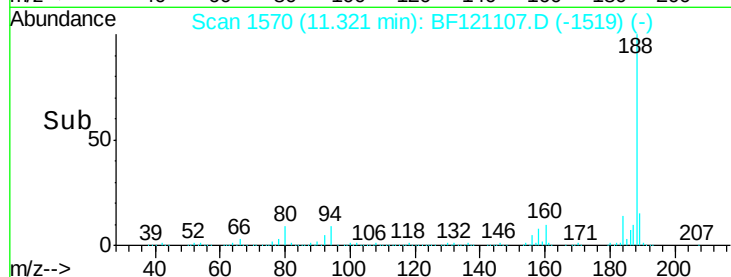
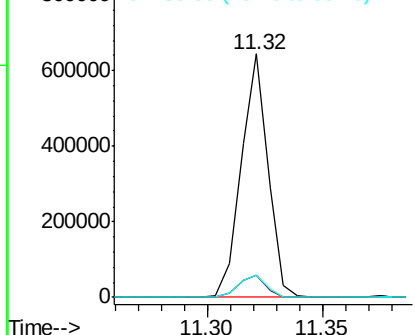
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion:188 Resp: 521779
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 9.3 8.3 12.5

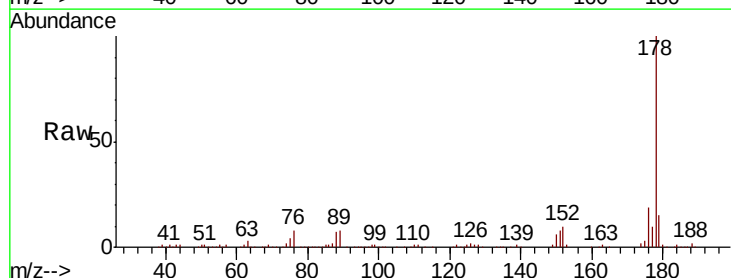


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

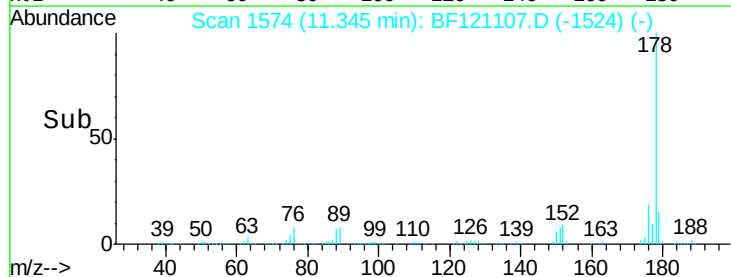
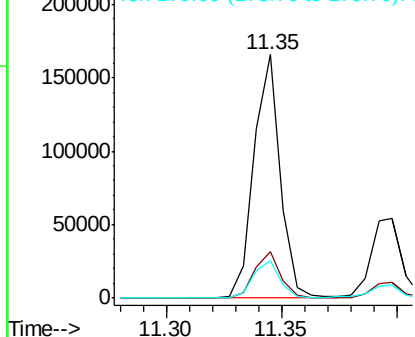


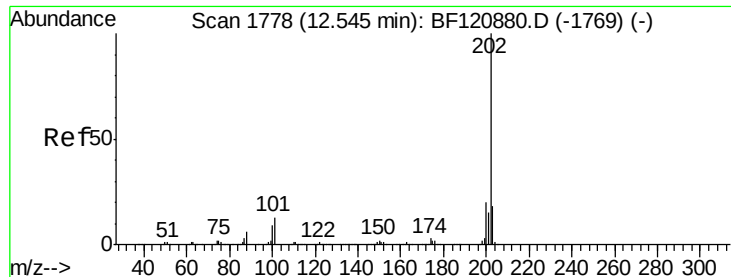
#71
Phenanthrene
Concen: 4.928 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion:178 Resp: 132249
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.3 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: 8.158 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

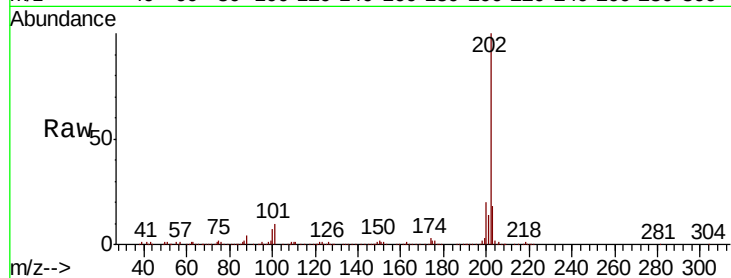
Tot Ion:202 Resp: 242654

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.5

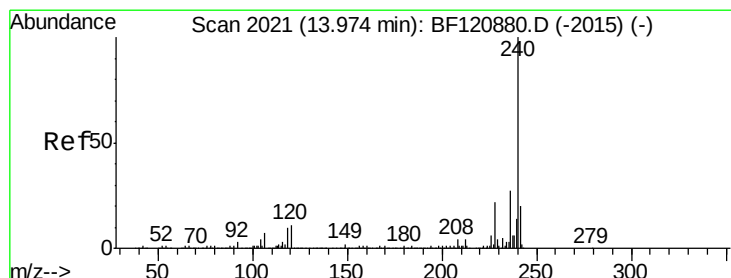
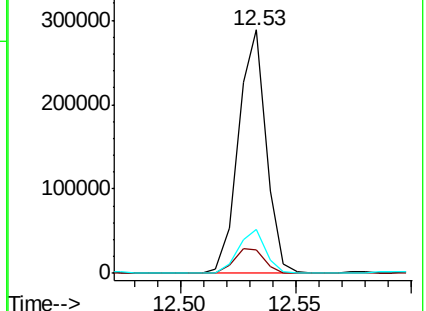
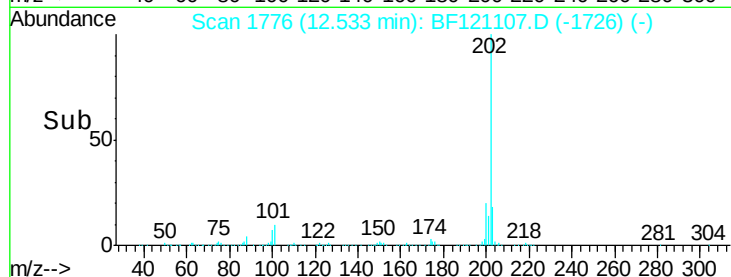
203 17.9 0.0 37.7



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# 2018

Delta R.T. -0.01 min

Lab File: BF121107.D

Acq: 29 Jul 2020 17:55

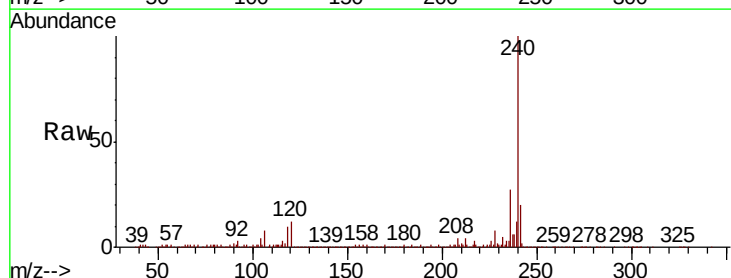
Tgt Ion:240 Resp: 381587

Ion Ratio Lower Upper

240 100

120 11.6 9.3 13.9

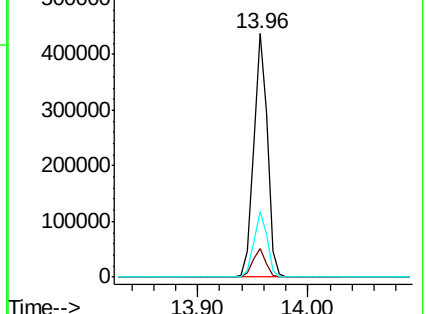
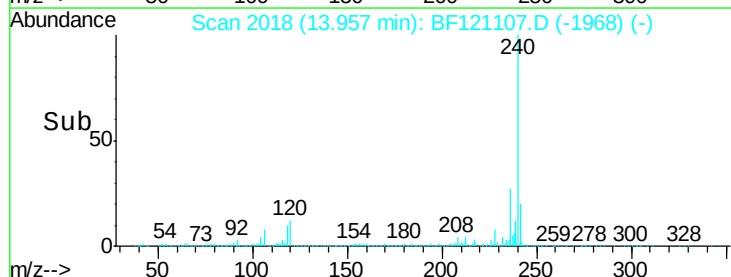
236 26.8 21.1 31.7

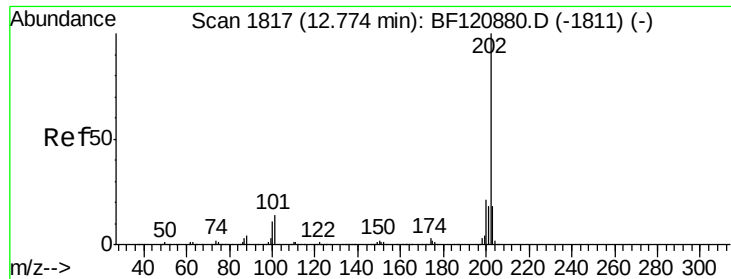


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

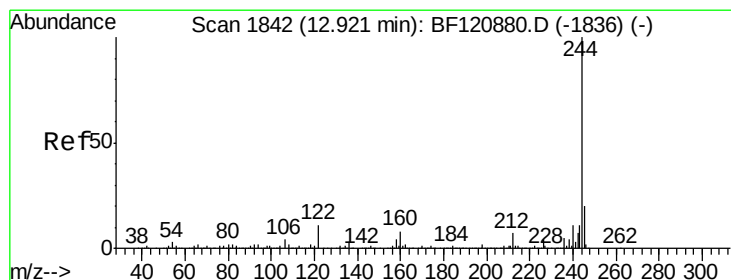
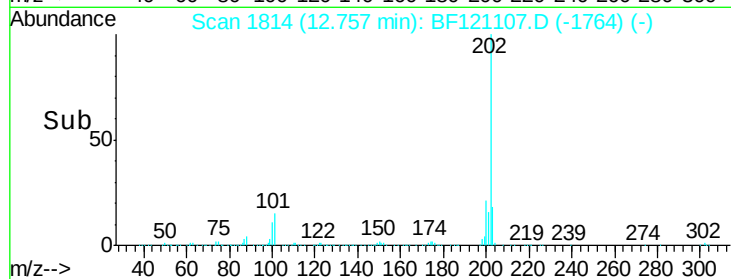
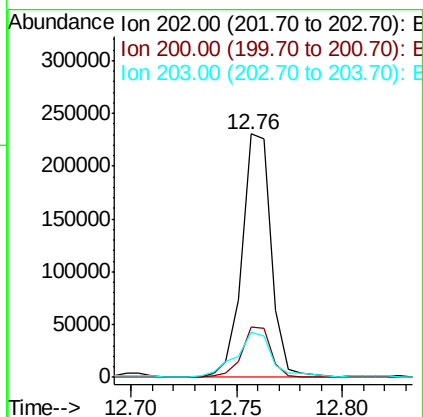
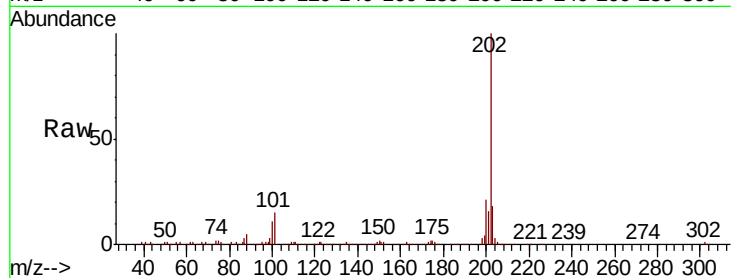




#78
Pvrene
Concen: 8.132 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

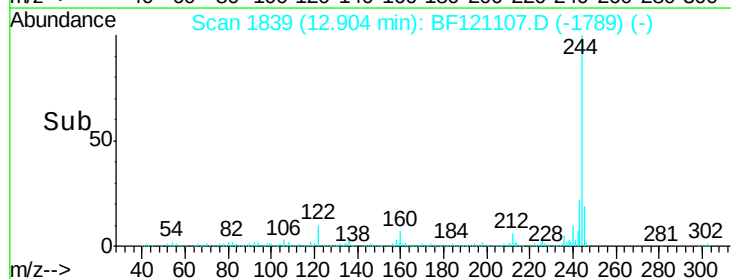
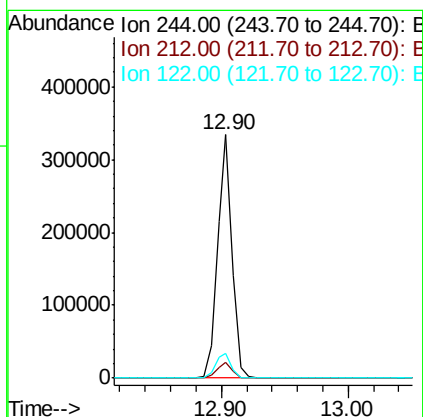
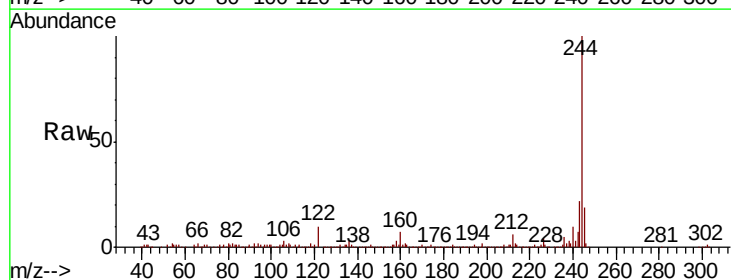
Instrument :
BNA_F
ClientSampleId :
CL-01-072720

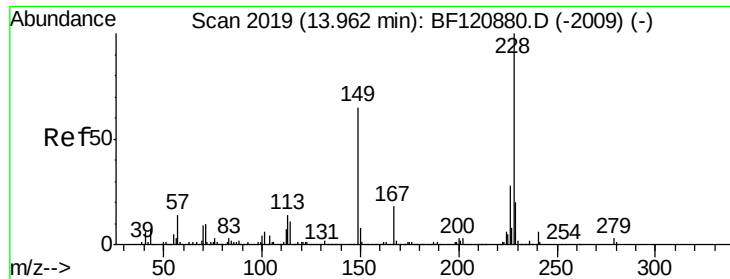
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.6
203	18.4	14.6	21.8



#79
Terphenyl-d14
Concen: 15.286 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.7	8.5
122	10.1	8.3	12.5

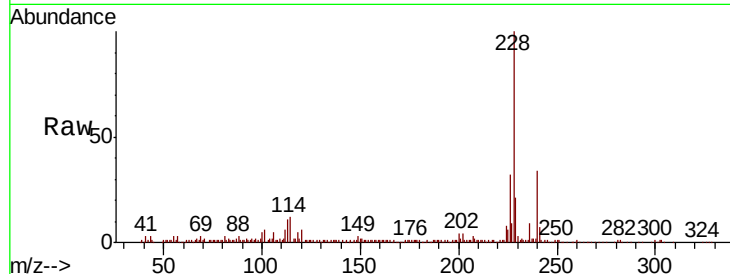




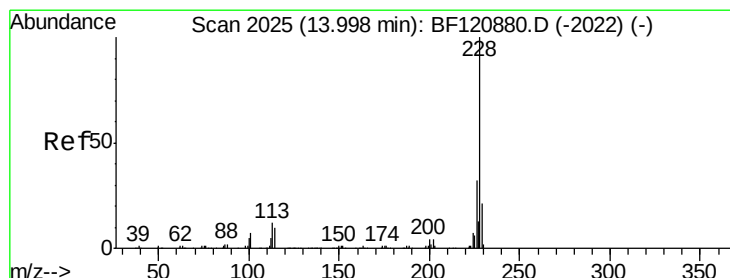
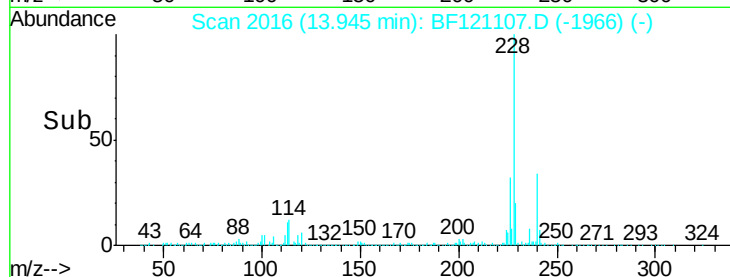
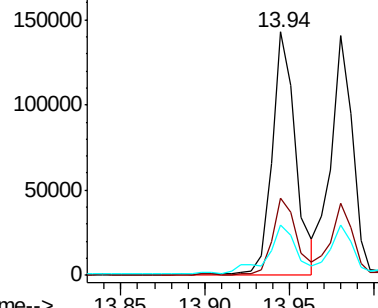
#81
Benzo(a)anthracene
Concen: 5.955 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion:228 Resp: 137591
Ion Ratio Lower Upper
228 100
226 31.8 22.6 34.0
229 20.9 16.1 24.1

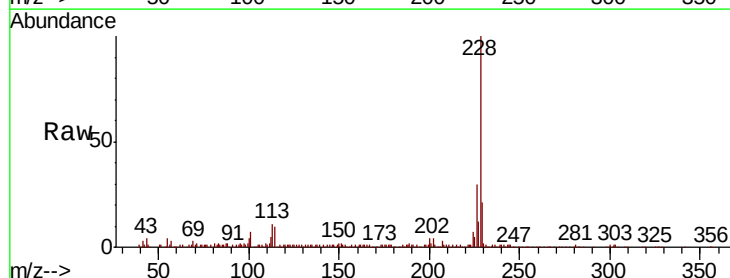


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

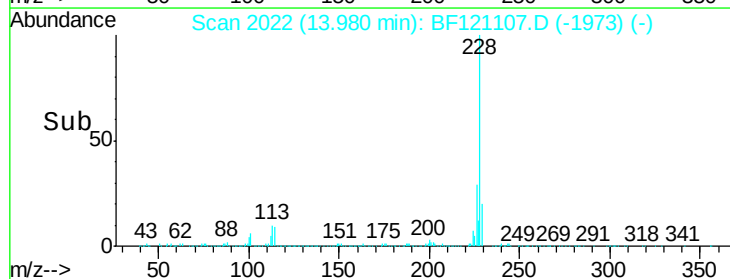
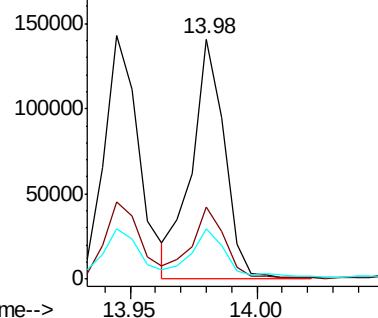


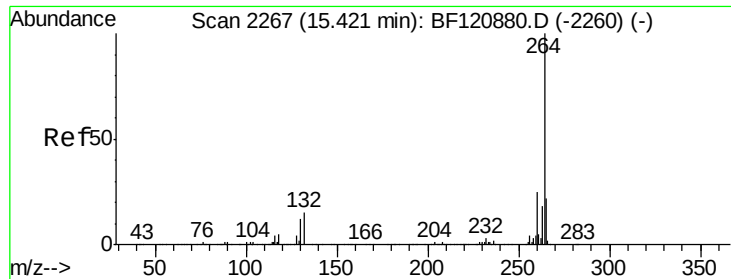
#83
Chrysene
Concen: 5.172 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion:228 Resp: 125585
Ion Ratio Lower Upper
228 100
226 30.0 25.4 38.0
229 21.0 16.2 24.4



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

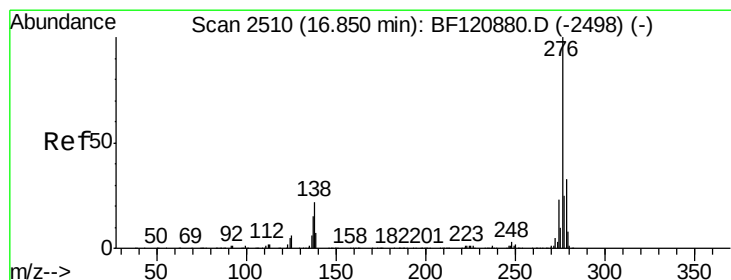
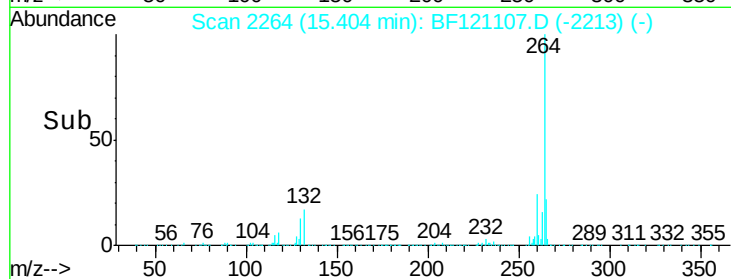
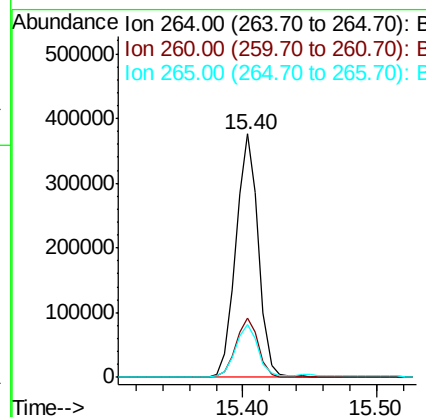
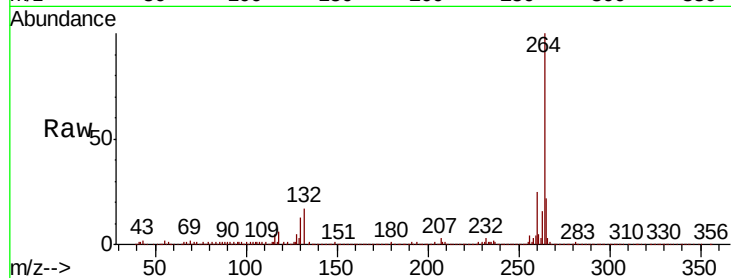




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.00 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

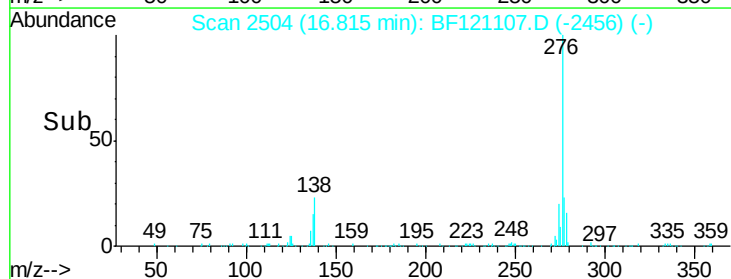
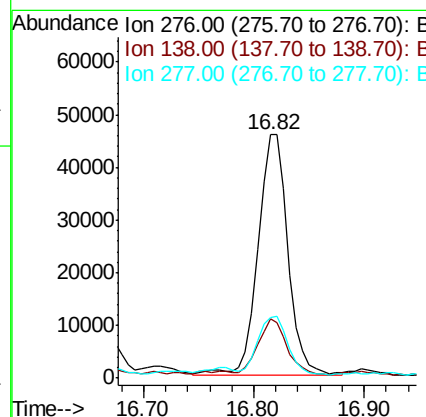
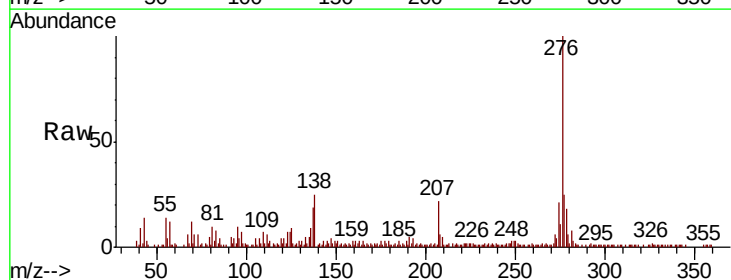
Instrument :
BNA_F
ClientSampleId :
CL-01-072720

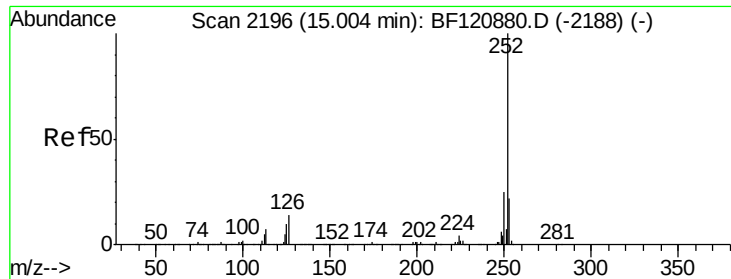
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.9	29.9
265	22.0	17.8	26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.837 ng
RT: 16.82 min Scan# 2504
Delta R.T. -0.02 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.3	28.9
277	24.2	20.1	30.1

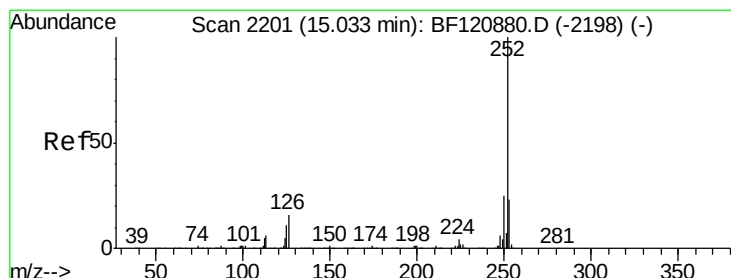
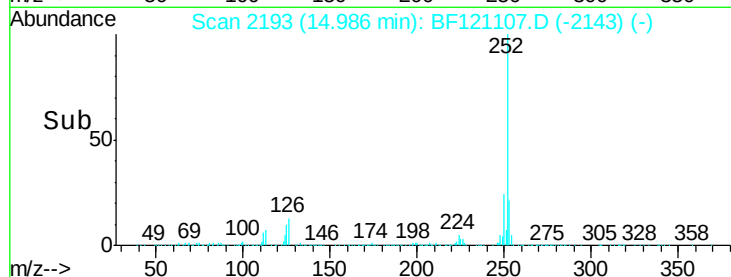
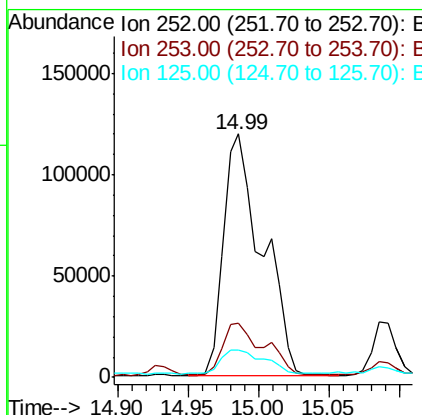
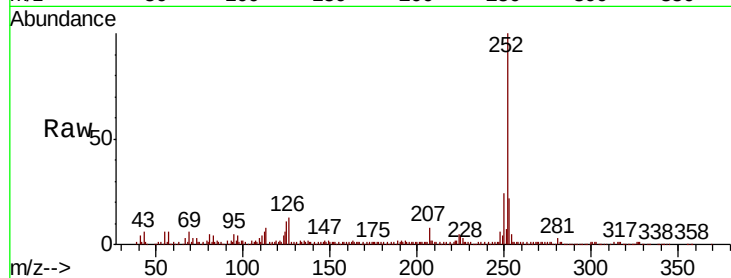




#88
Benzo(b)fluoranthene
Concen: 8.617 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

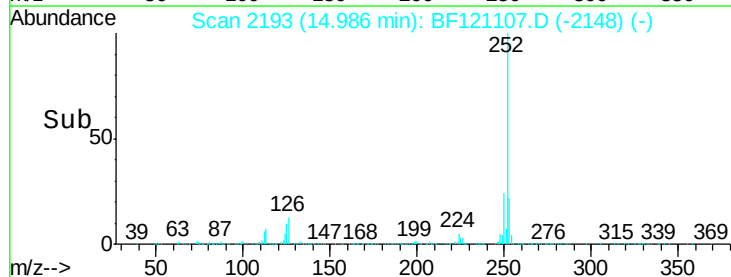
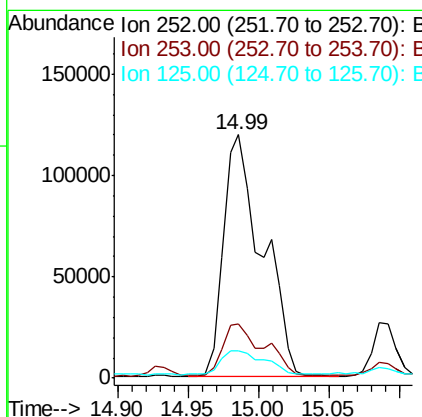
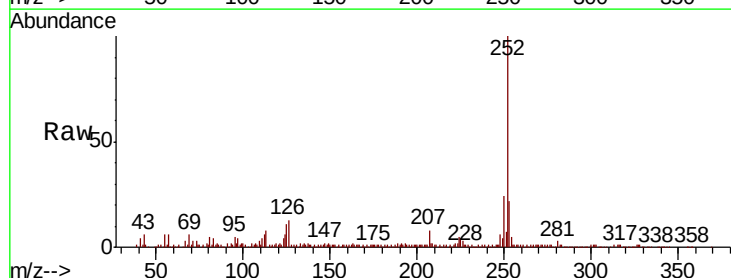
Instrument :
BNA_F
ClientSampleId :
CL-01-072720

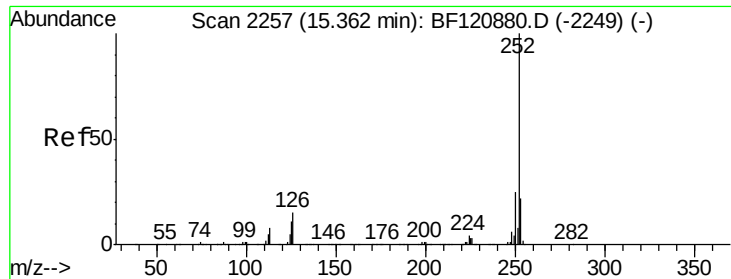
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.4	8.1	12.1



#89
Benzo(k)fluoranthene
Concen: 9.449 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.04 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	11.4	8.0	12.0

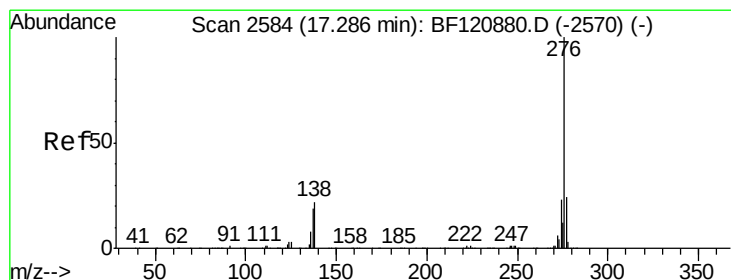
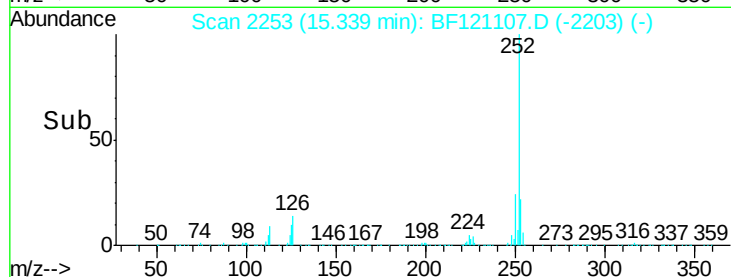
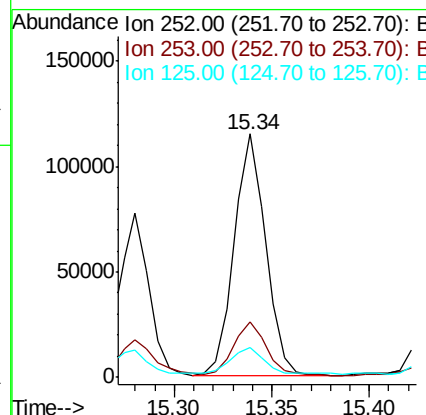
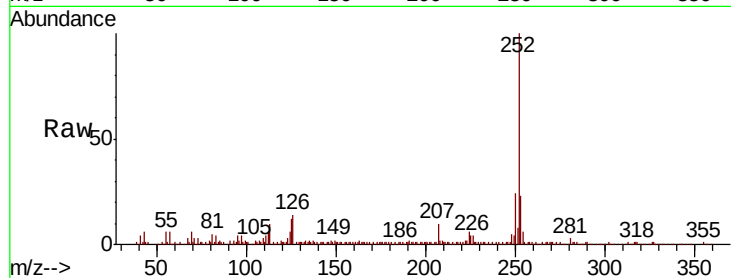




#90
Benzo(a)pyrene
Concen: 5.271 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Instrument :
BNA_F
ClientSampleId :
CL-01-072720

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.1	9.5	14.3



#92
Benzo(g,h,i)perylene
Concen: 3.212 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF121107.D
Acq: 29 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.0
138	21.9	17.2	25.8

