

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121106.D
 Acq On : 29 Jul 2020 17:23
 Operator : JU/CG
 Sample : L3185-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-072720

Quant Time: Jul 29 18:11:11 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	160842	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	601671	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	304356	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	539004	20.00	ng	0.00
76) Chrysene-d12	13.96	240	361632	20.00	ng	0.00
86) Perylene-d12	15.40	264	422485	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	390818	39.83	ng	0.00
7) Phenol-d6	6.44	99	470225	37.10	ng	0.00
23) Nitrobenzene-d5	7.36	82	299602	28.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	127268	38.20	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	588708	28.88	ng	0.00
79) Terphenyl-d14	12.90	244	489437	29.42	ng	0.00

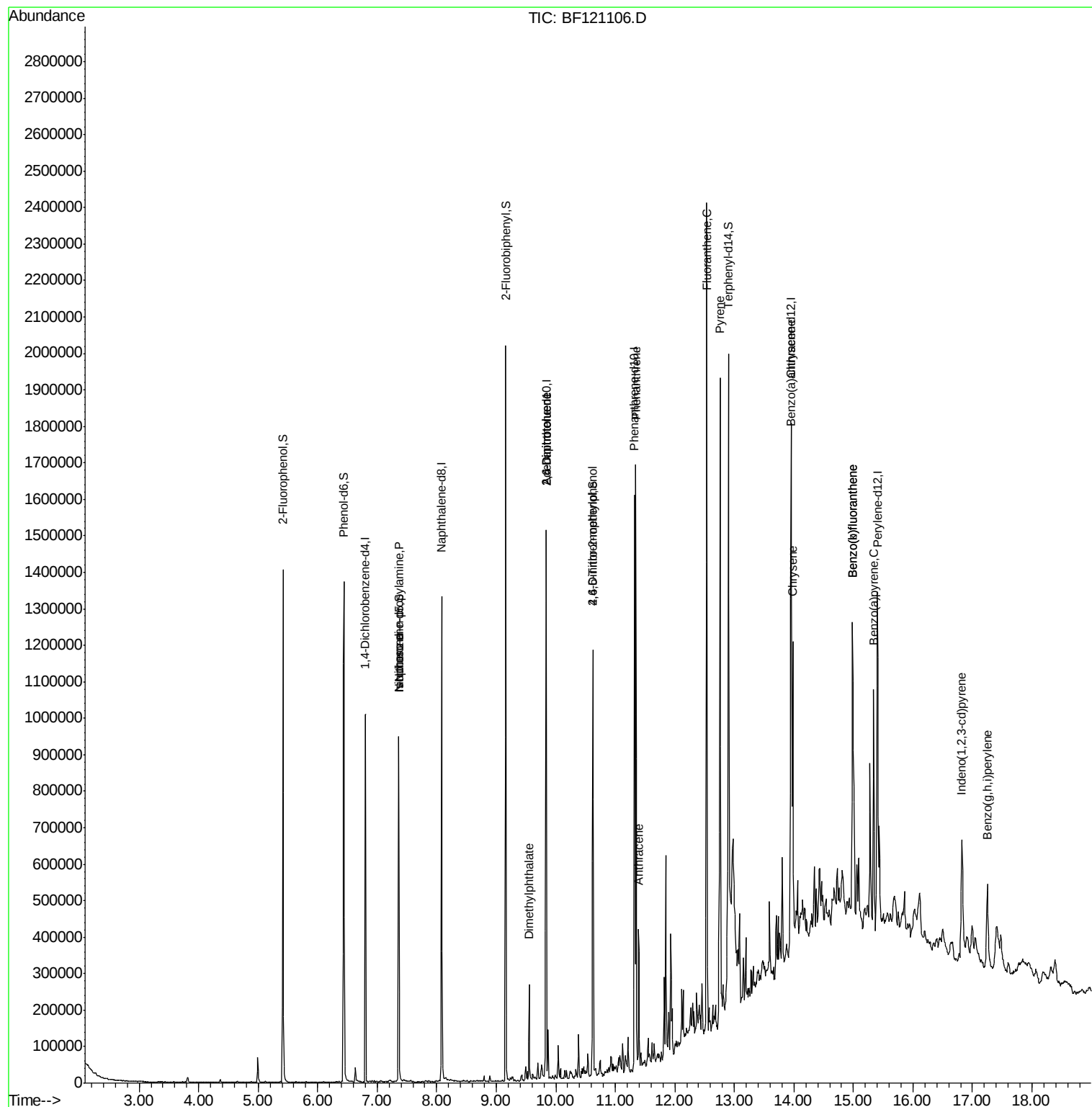
Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	236	Below Cal	#	66
19) n-Nitroso-di-n-propylamine	7.36	70	38515	5.344	ng	# 78
25) Isophorone	7.36	82	291974	14.069	ng	# 62
50) Dimethylphthalate	9.55	163	90109	4.104	ng	99
51) 2,6-Dinitrotoluene	9.84	165	39705	8.417	ng	# 27
57) 2,4-Dinitrotoluene	9.84	165	39705	6.409	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.62	198	148	3.886	ng	# 1
71) Phenanthrene	11.34	178	560740	20.228	ng	99
72) Anthracene	11.39	178	140767	5.057	ng	97
75) Fluoranthene	12.53	202	867785	28.242	ng	98
78) Pyrene	12.76	202	701110	27.422	ng	98
81) Benzo(a)anthracene	13.94	228	376452	17.191	ng	99
83) Chrysene	13.98	228	330587	14.365	ng	96
87) Indeno(1,2,3-cd)pyrene	16.82	276	221340	7.533	ng	95
88) Benzo(b)fluoranthene	14.99	252	581839	22.784	ng	98
89) Benzo(k)fluoranthene	14.99	252	581839	24.982	ng	98
90) Benzo(a)pyrene	15.34	252	311513	13.370	ng	98
92) Benzo(g,h,i)perylene	17.25	276	185705	7.847	ng	99

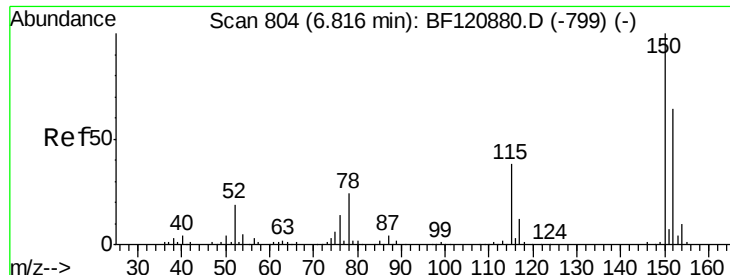
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121106.D
Acq On : 29 Jul 2020 17:23
Operator : JU/CG
Sample : L3185-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Quant Time: Jul 29 18:11:11 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



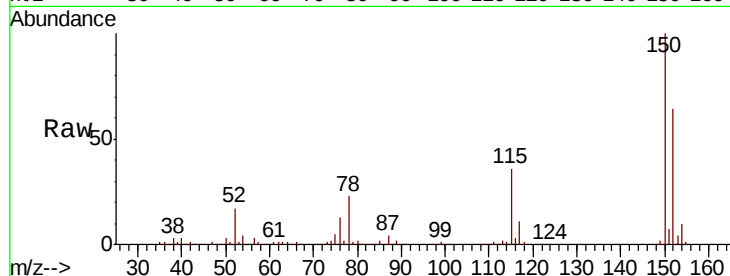


#1

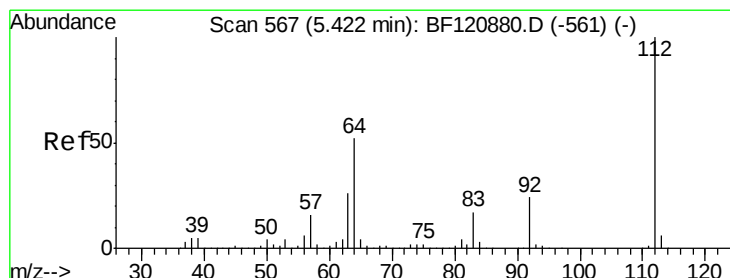
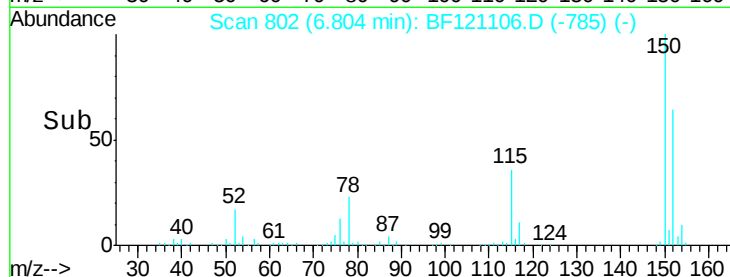
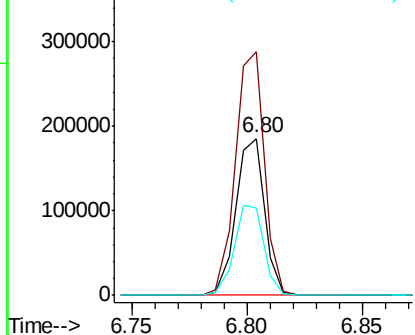
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Tot Ion:152 Resp: 160842
Ion Ratio Lower Upper
152 100
150 155.4 125.6 188.4
115 55.8 46.2 69.2



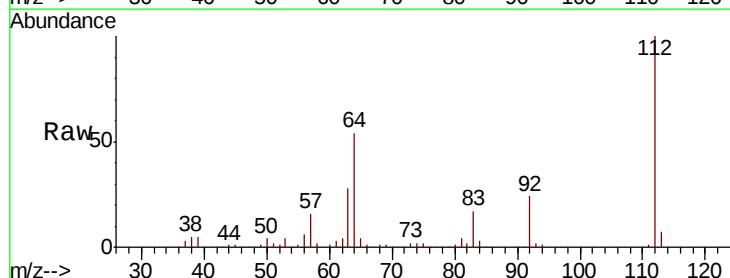
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



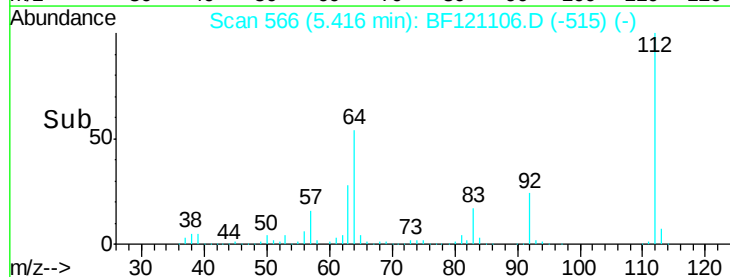
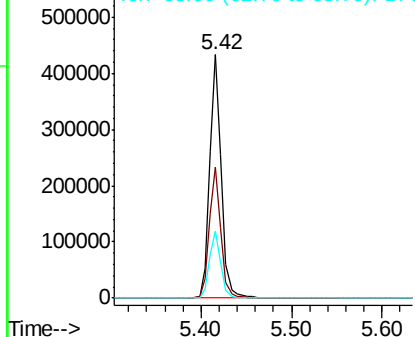
#5

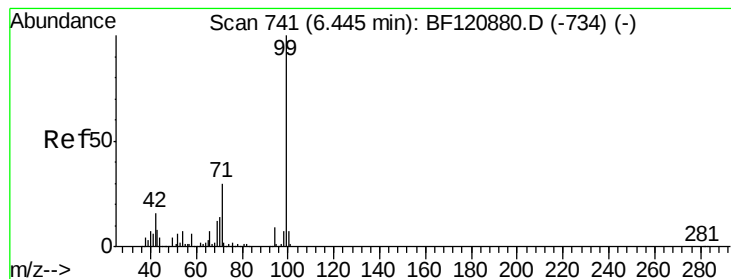
2-Fluorophenol
Concen: 39.833 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion:112 Resp: 390818
Ion Ratio Lower Upper
112 100
64 53.9 43.9 65.9
63 27.6 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: 37.102 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

ClientSampleId :

PL-05-072720

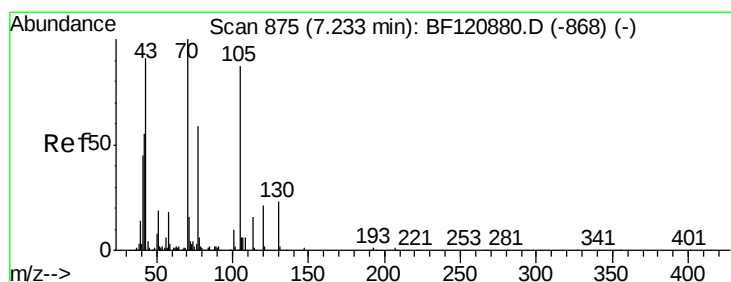
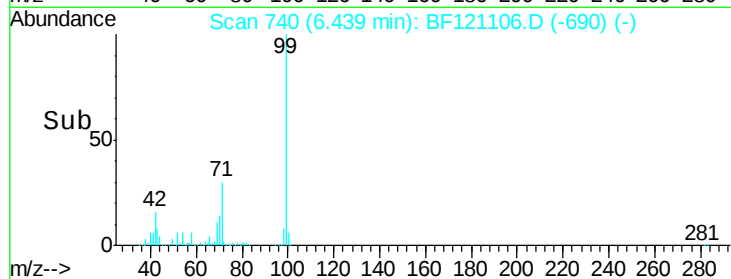
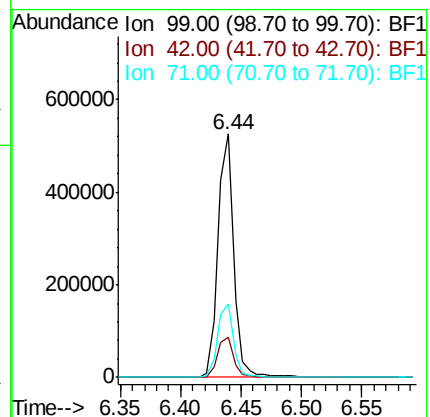
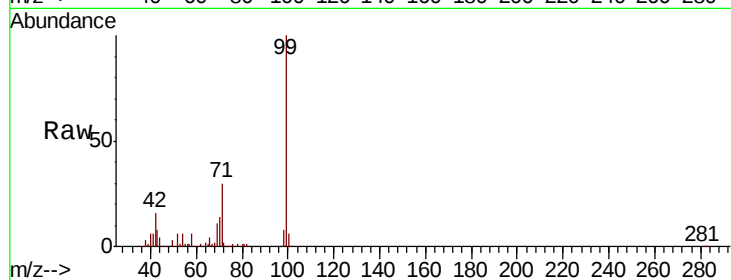
Tot Ion: 99 Resp: 470225

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

71 30.1 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.344 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Tgt Ion: 70 Resp: 38515

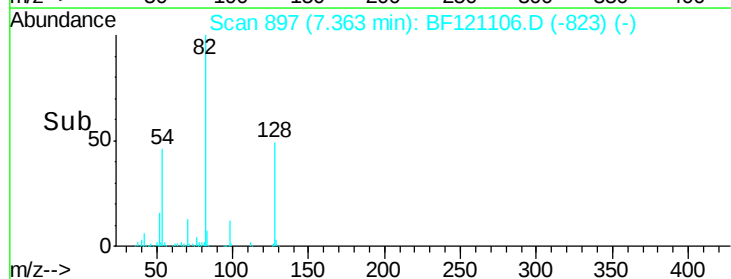
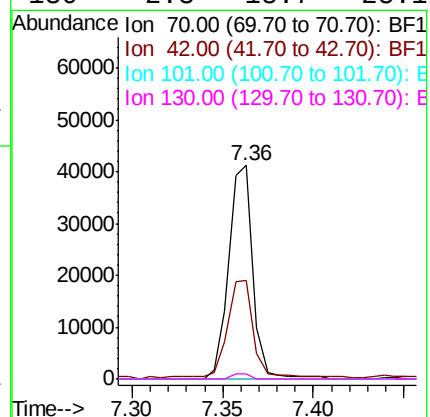
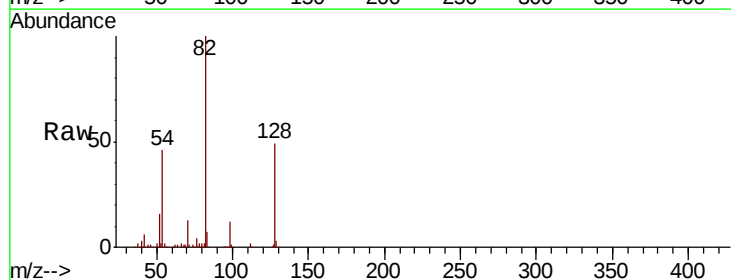
Ion Ratio Lower Upper

70 100

42 46.3 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: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

ClientSampleId :

PL-05-072720

Tot Ion:136 Resp: 601671

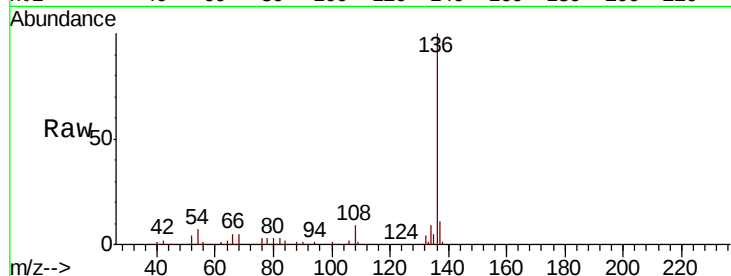
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.6 6.1 9.1

68 5.5 5.0 7.6

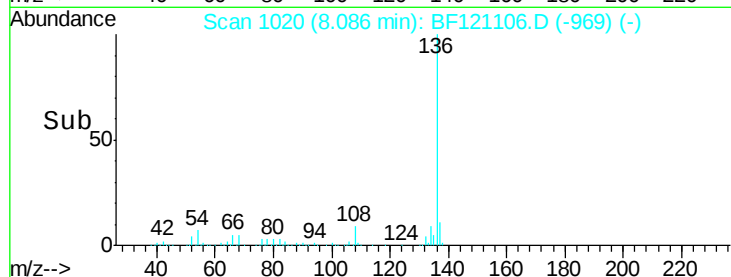


Abundance Ion 136.00 (135.70 to 136.70): E

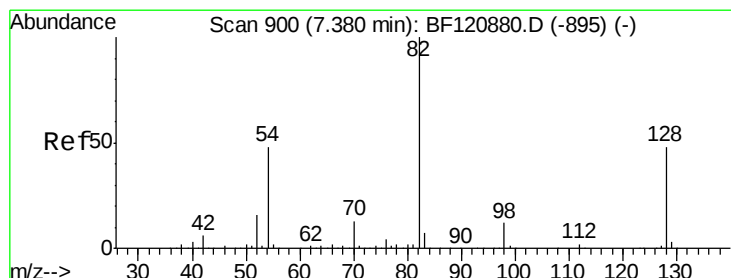
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 28.813 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

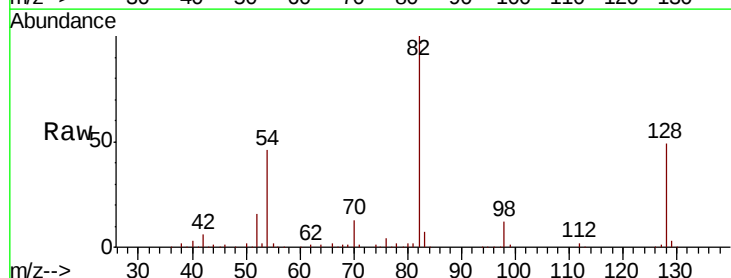
Tgt Ion: 82 Resp: 299602

Ion Ratio Lower Upper

82 100

128 49.3 39.2 58.8

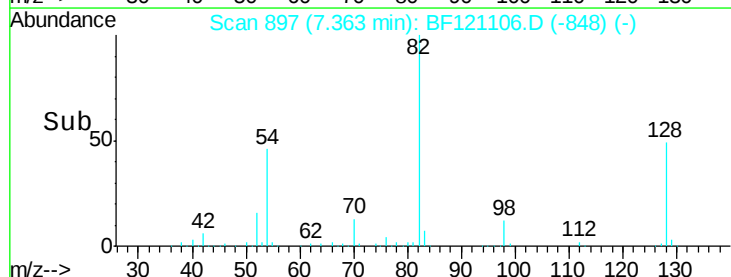
54 46.2 37.8 56.8



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



Time-->



#25

Isophorone

Concen: 14.069 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.27 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

ClientSampleId :

PL-05-072720

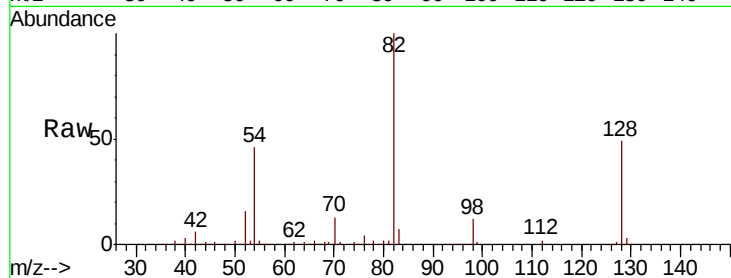
Tot Ion: 82 Resp: 291974

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

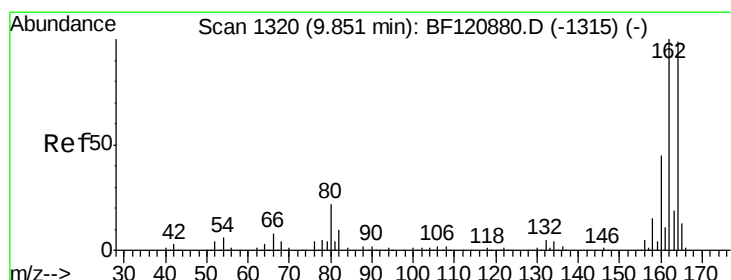
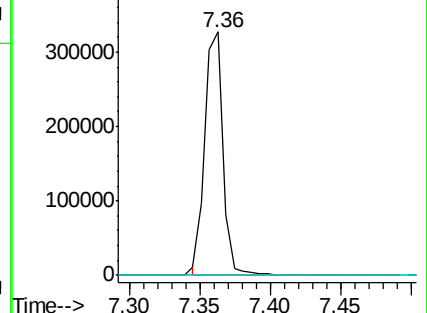
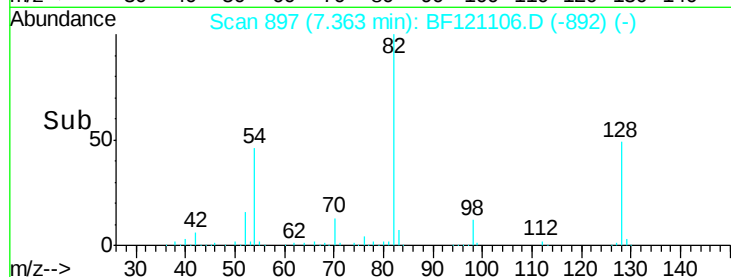
138 0.0 16.2 24.2#



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: BF121106.D

Acq: 29 Jul 2020 17:23

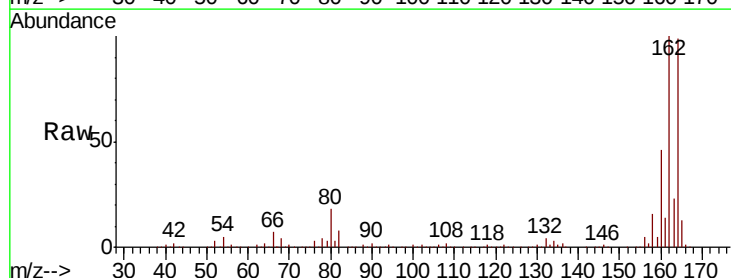
Tgt Ion:164 Resp: 304356

Ion Ratio Lower Upper

164 100

162 101.3 82.2 123.2

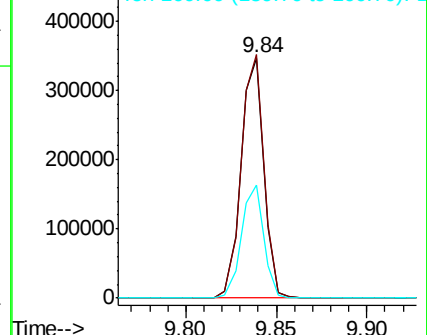
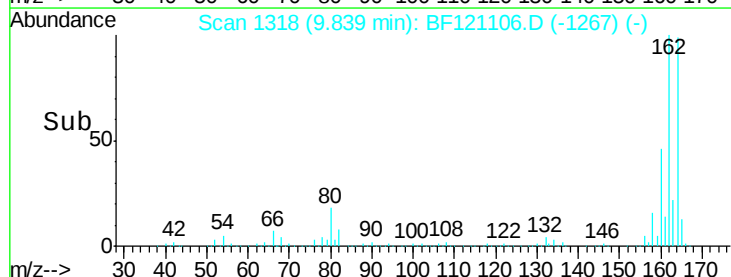
160 46.9 37.2 55.8



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

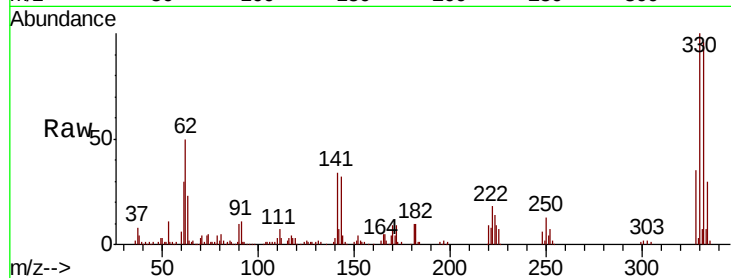




#42
 2,4,6-Tribromophenol
 Concen: 38.202 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF121106.D
 Acq: 29 Jul 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-072720

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.1	114.1
141	32.5	24.1	36.1

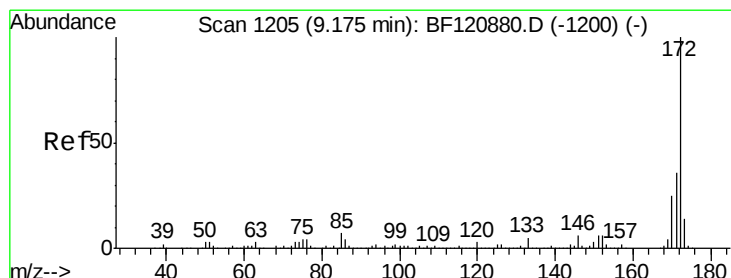
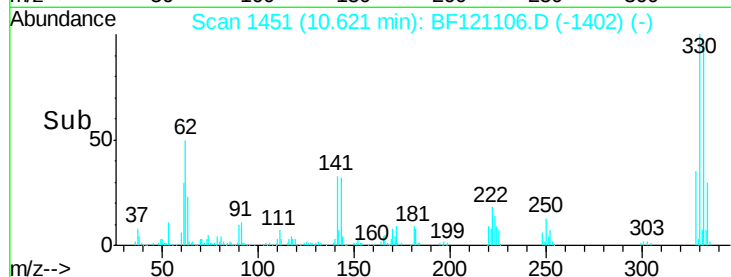
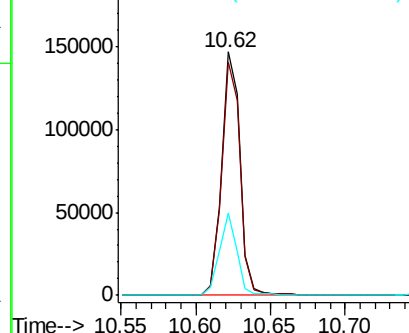


Abundance

Ion 329.80 (329.50 to 330.50): E

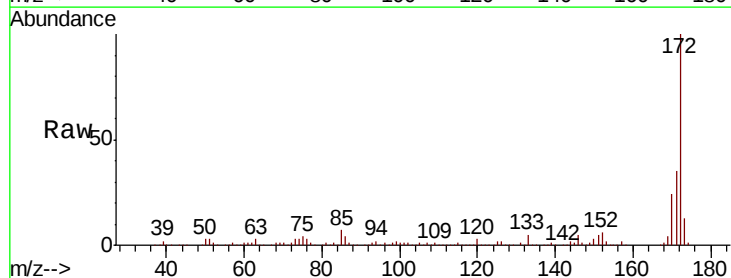
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 28.880 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121106.D
 Acq: 29 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.4
170	24.0	19.6	29.4

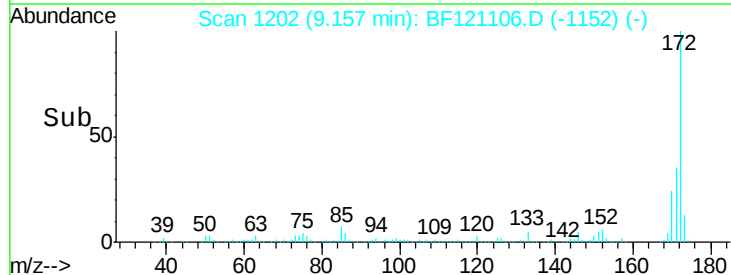
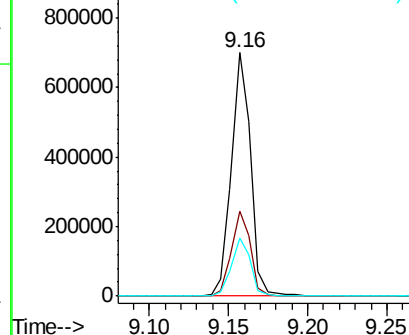


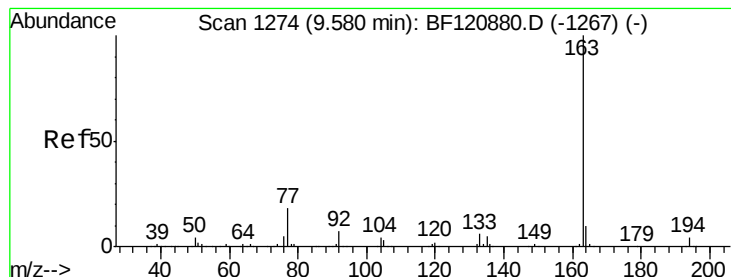
Abundance

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: 4.104 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

ClientSampleId :

PL-05-072720

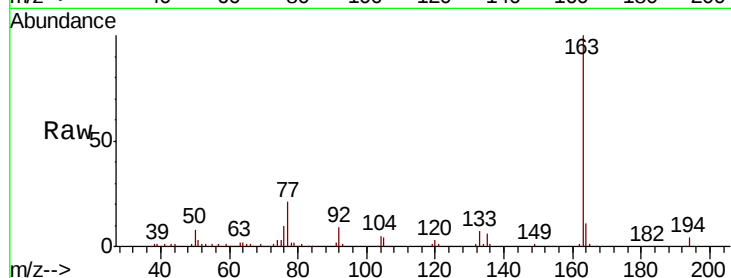
Tot Ion:163 Resp: 90109

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

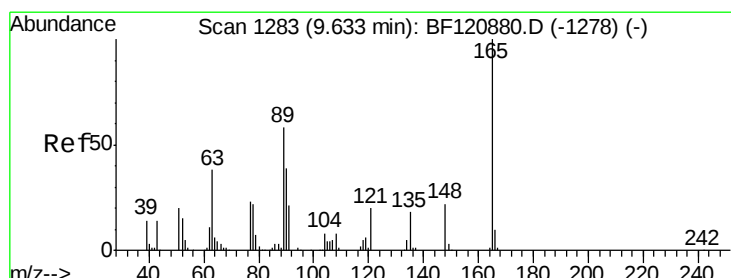
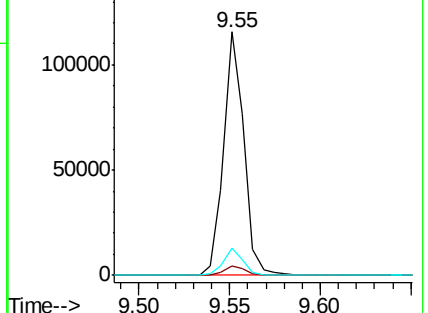
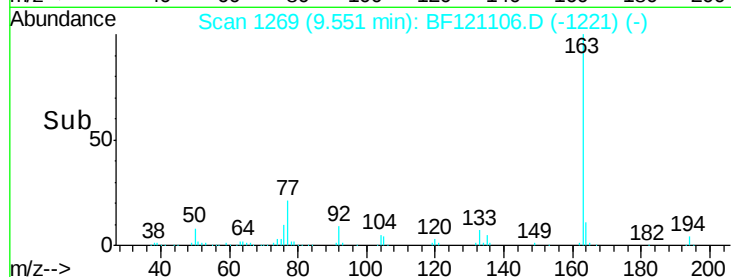
164 11.0 8.4 12.6



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: 8.417 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

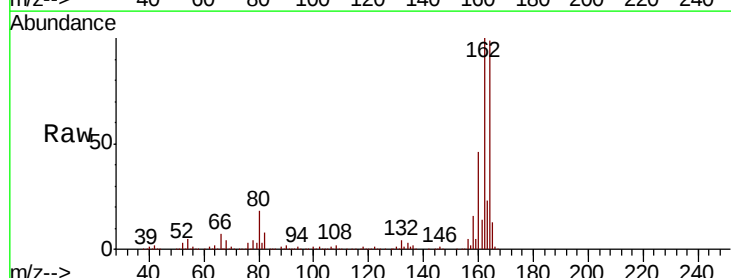
Tgt Ion:165 Resp: 39705

Ion Ratio Lower Upper

165 100

63 0.9 41.1 61.7#

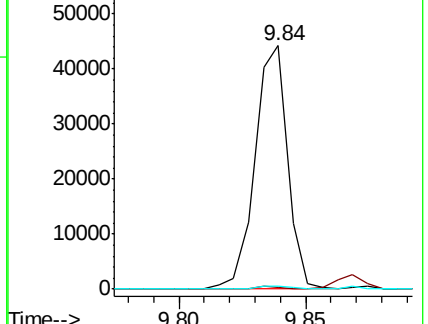
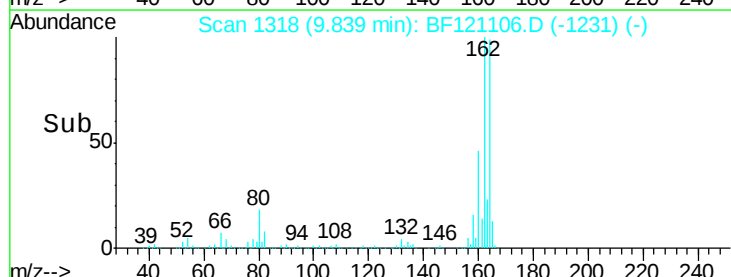
89 1.2 43.5 65.3#

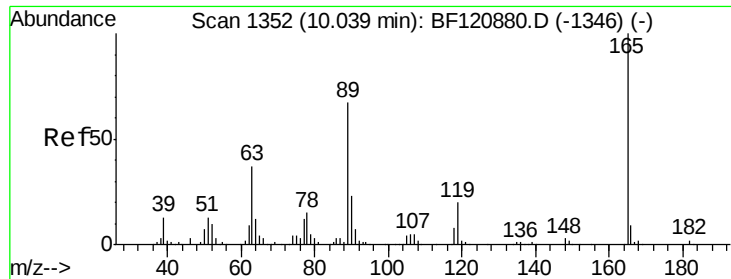


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

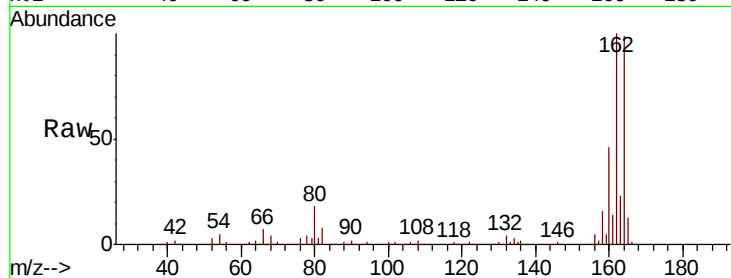




#57
2,4-Dinitrotoluene
Concen: 6.409 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.19 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.8	44.8#
89	1.2	50.3	75.5#
182	0.0	2.1	3.1#

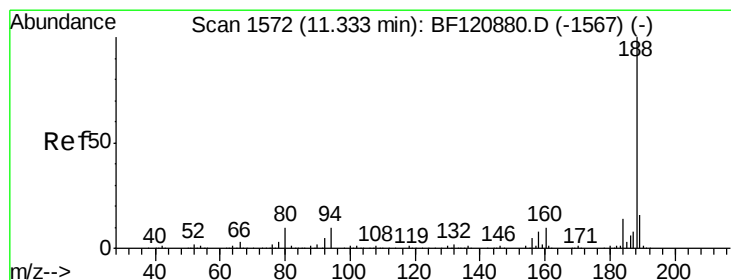
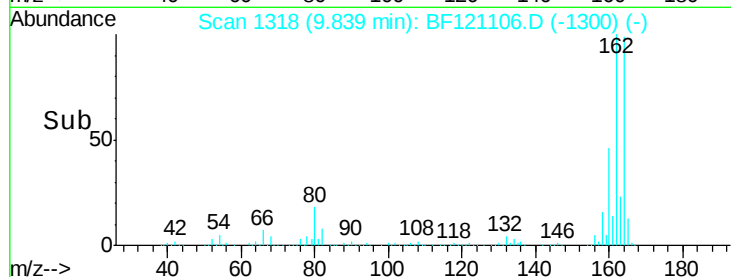
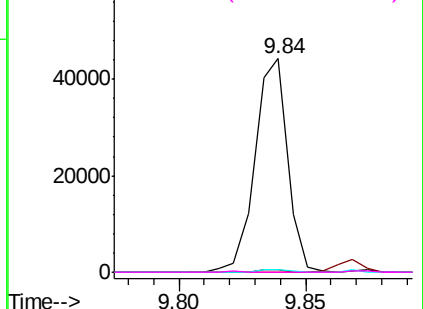


Abundance Ion 165.00 (164.70 to 165.70): E

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



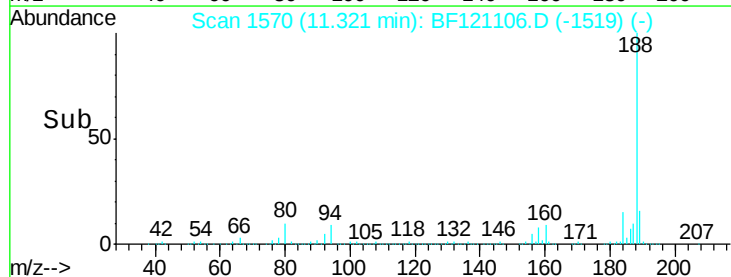
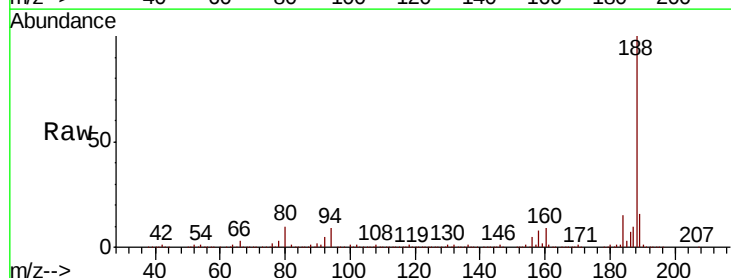
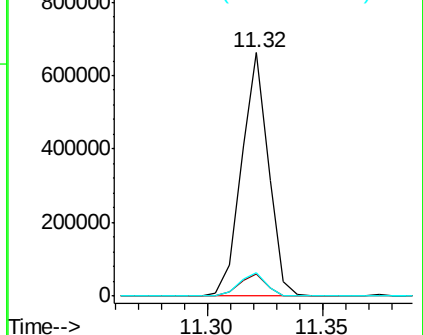
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

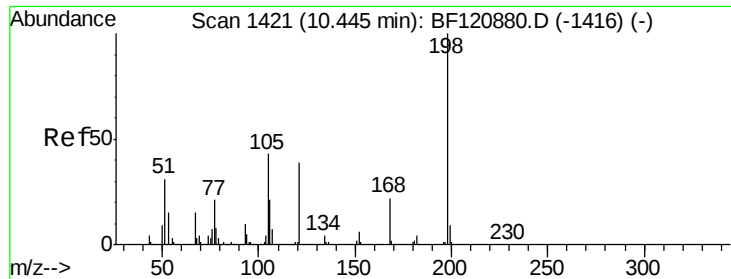
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.0	12.0
80	9.6	8.3	12.5

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





#65

4,6-Dinitro-2-methylphenol

Concen: 3.886 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.18 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

ClientSampleId :

PL-05-072720

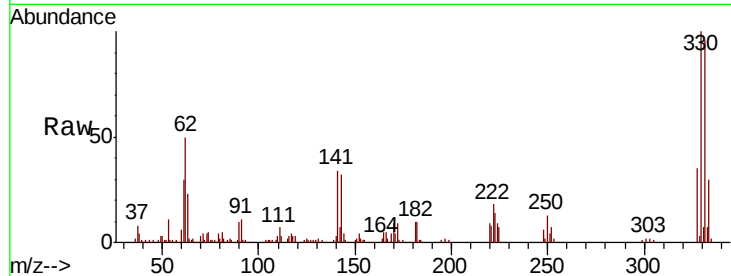
Tot Ion:198 Resp: 148

Ion Ratio Lower Upper

198 100

51 304.5 23.4 63.4#

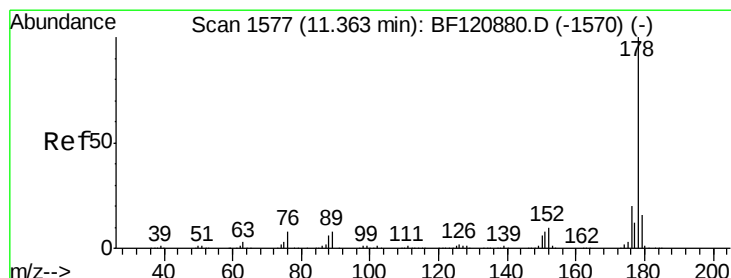
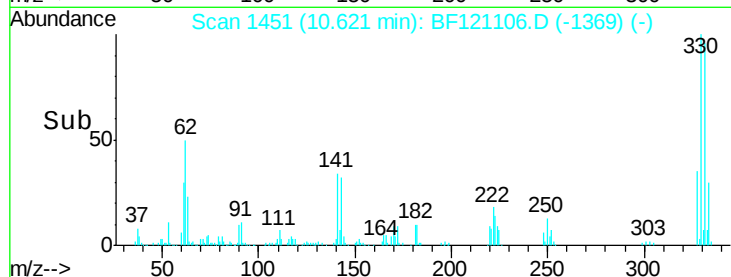
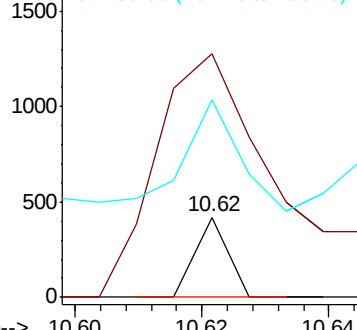
105 246.5 23.7 63.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 20.228 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

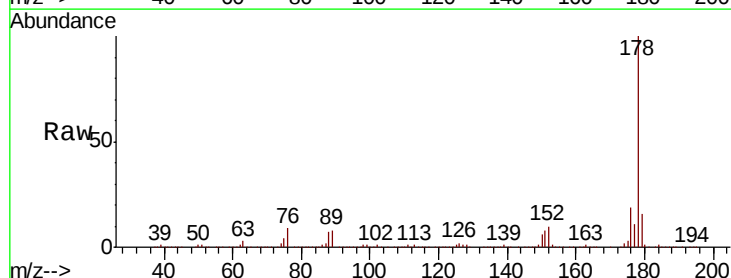
Tgt Ion:178 Resp: 560740

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.2

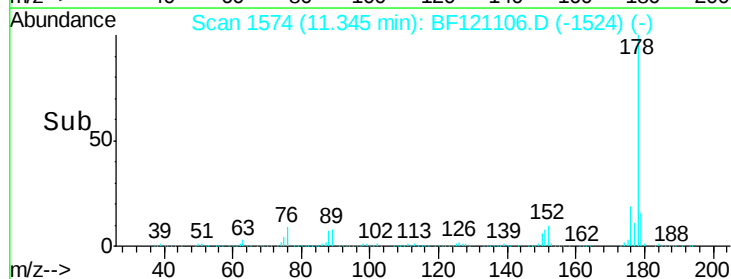
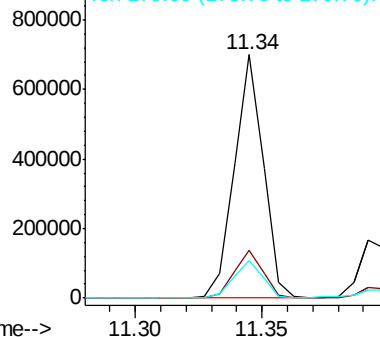
179 15.6 12.6 19.0

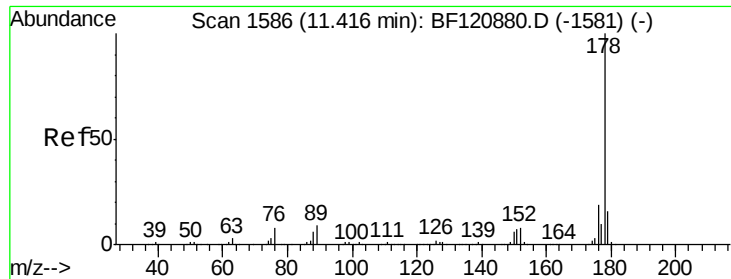


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.057 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

ClientSampleId :

PL-05-072720

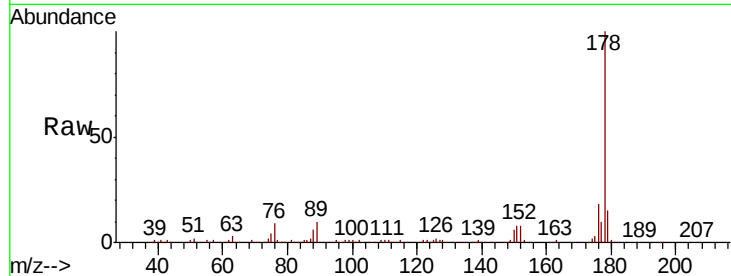
Tot Ion:178 Resp: 140767

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

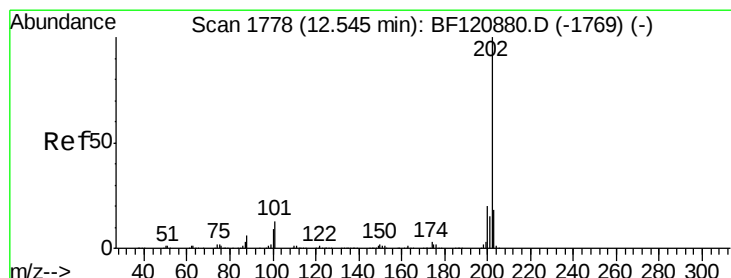
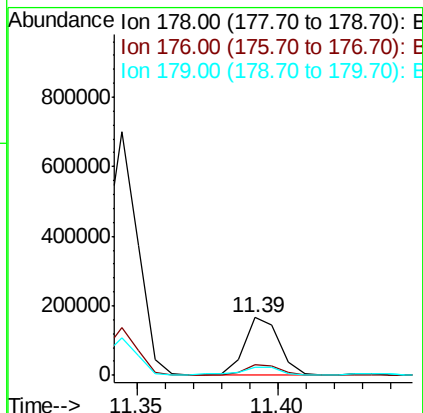
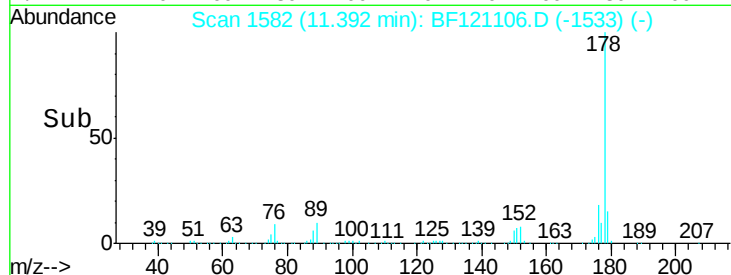
179 15.1 12.6 19.0



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: 28.242 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

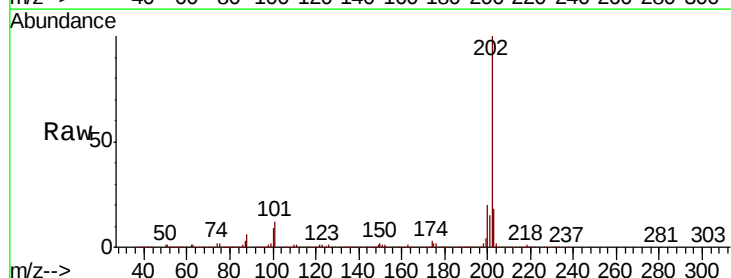
Tgt Ion:202 Resp: 867785

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.5

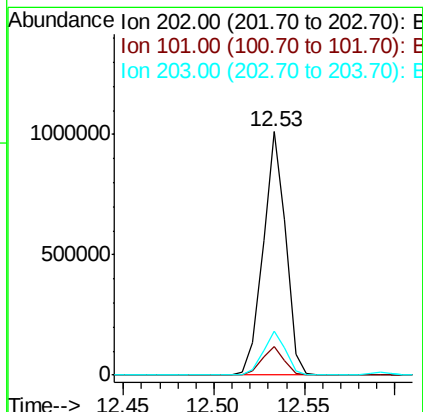
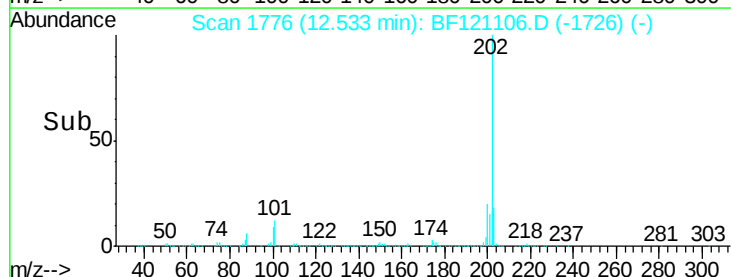
203 18.3 0.0 37.7

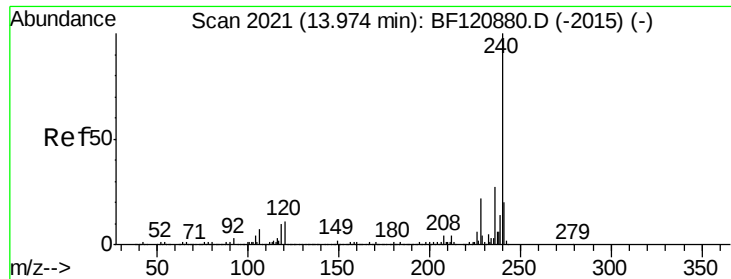


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

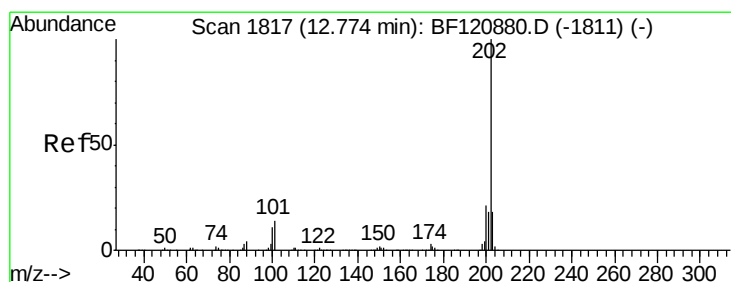
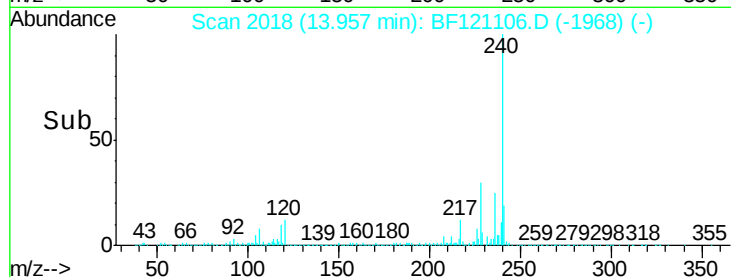
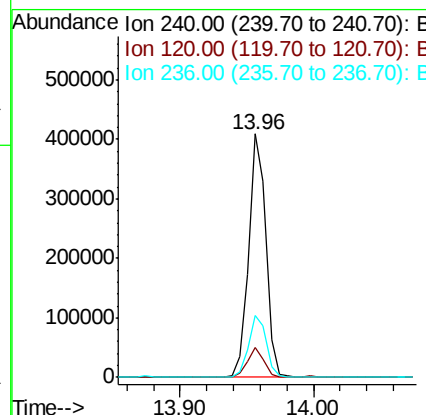
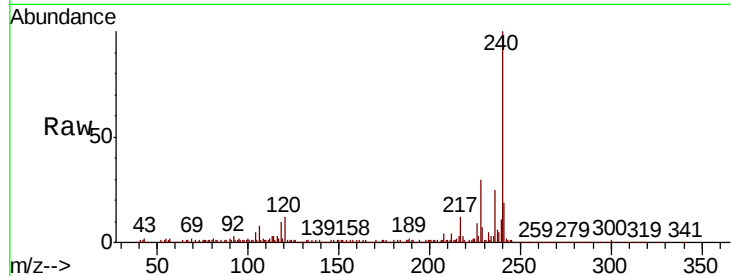




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

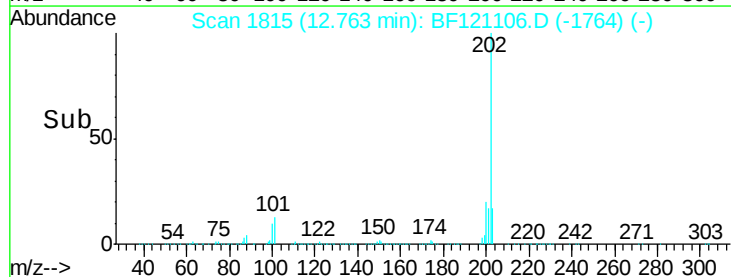
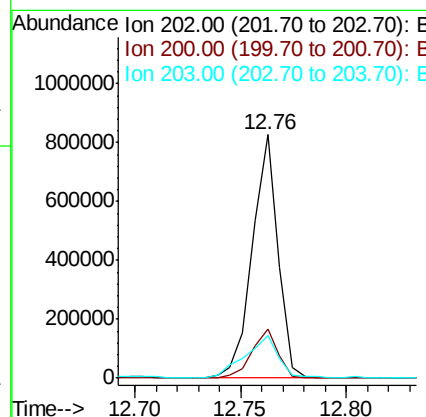
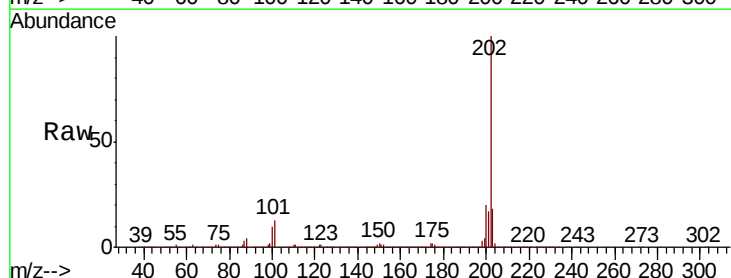
Instrument :
BNA_F
ClientSampleId :
PL-05-072720

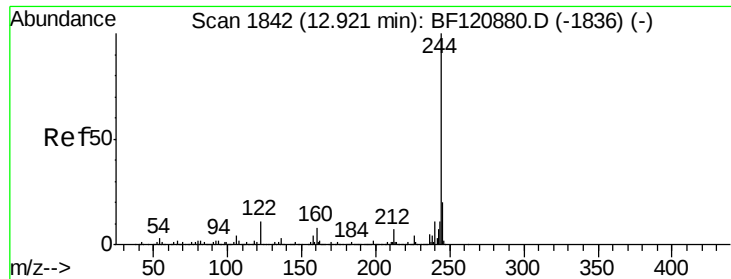
Tot Ion:240 Resp: 361632
Ion Ratio Lower Upper
240 100
120 12.2 9.3 13.9
236 25.3 21.1 31.7



#78
Pyrene
Concen: 27.422 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion:202 Resp: 701110
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.6
203 17.7 14.6 21.8





#79

Terphenyl-d14

Concen: 29.420 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

ClientSampleId :

PL-05-072720

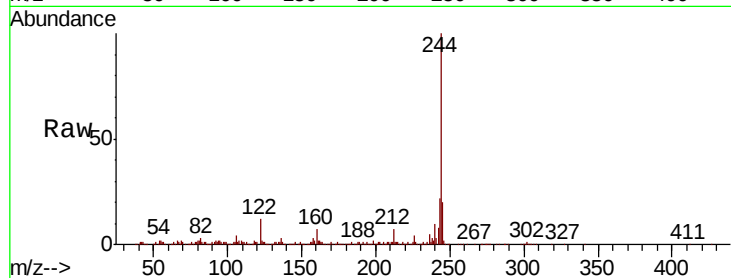
Tot Ion:244 Resp: 489437

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

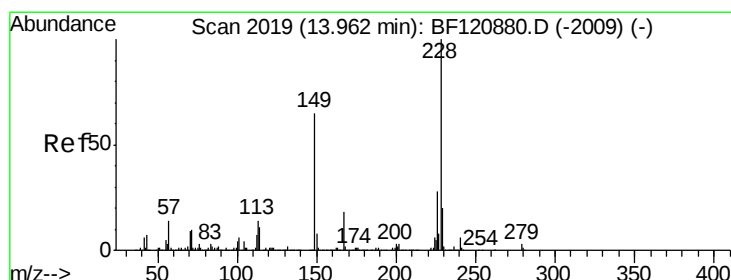
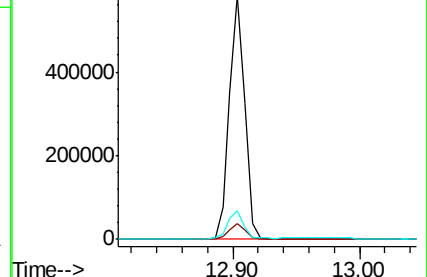
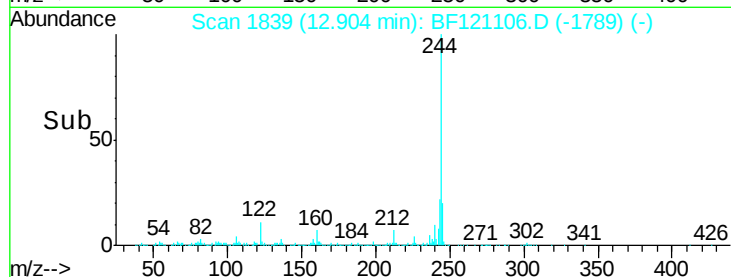
122 11.6 8.3 12.5



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: 17.191 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

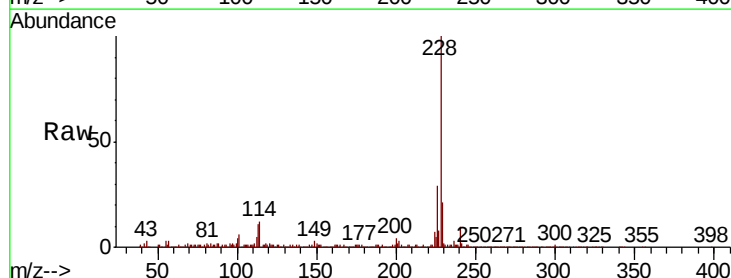
Tgt Ion:228 Resp: 376452

Ion Ratio Lower Upper

228 100

226 28.9 22.6 34.0

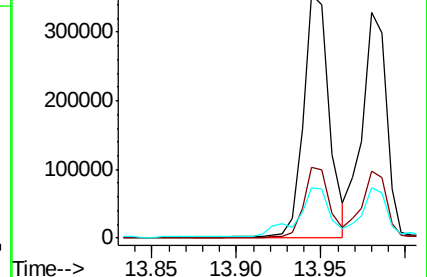
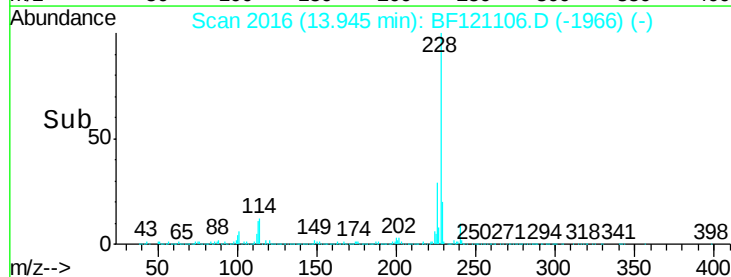
229 20.6 16.1 24.1

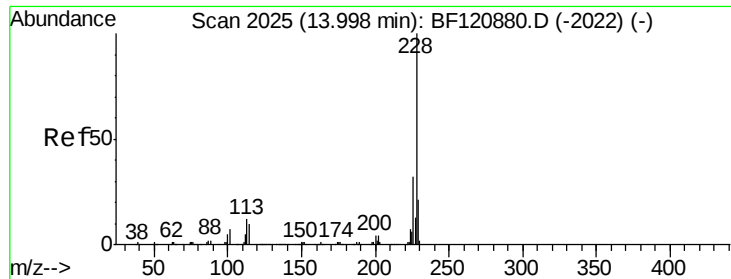


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 14.365 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

ClientSampleId :

PL-05-072720

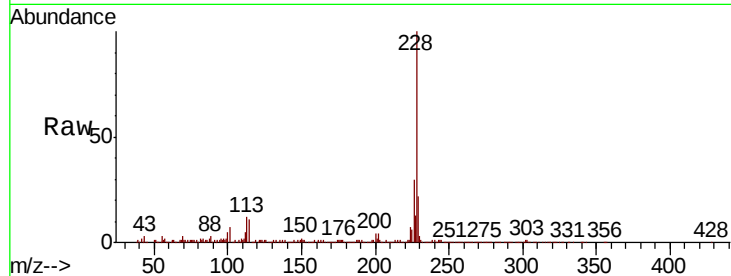
Tot Ion:228 Resp: 330587

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.0

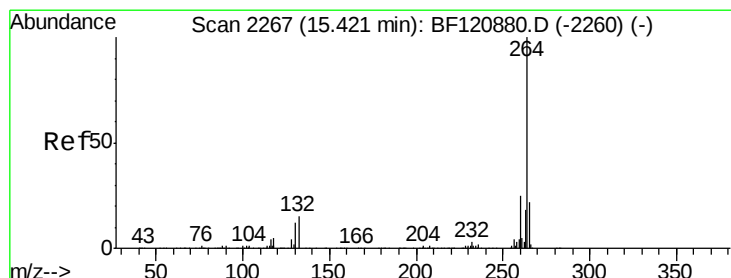
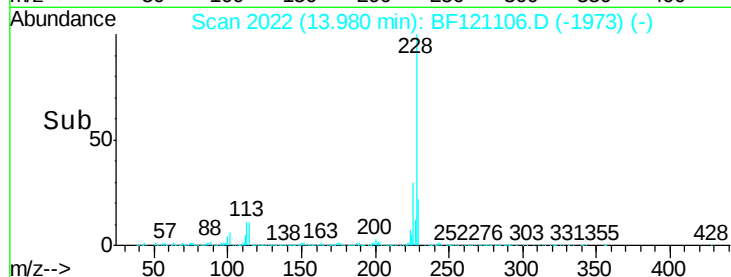
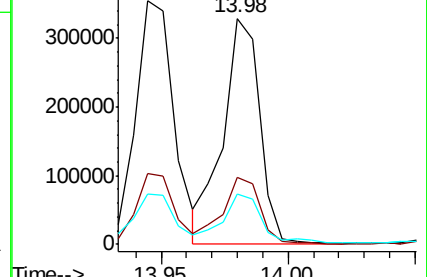
229 22.4 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.00 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

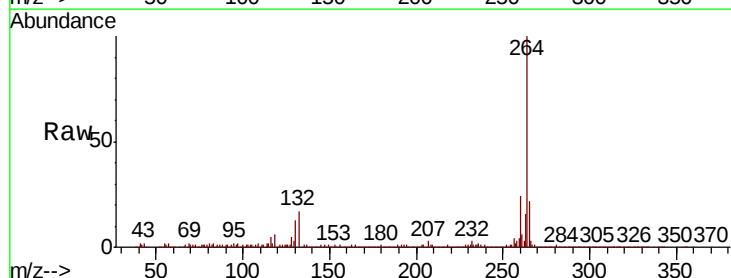
Tgt Ion:264 Resp: 422485

Ion Ratio Lower Upper

264 100

260 23.9 19.9 29.9

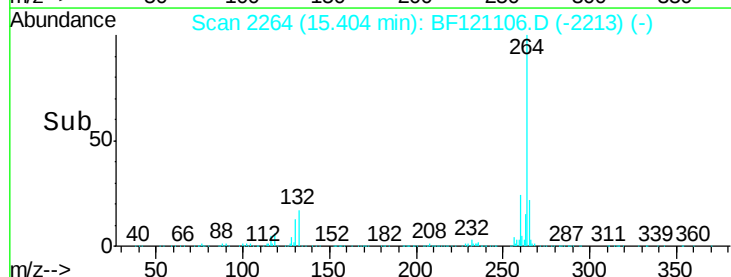
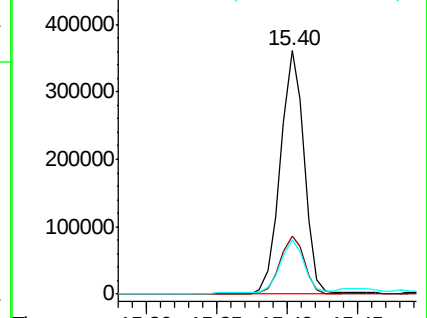
265 22.1 17.8 26.8

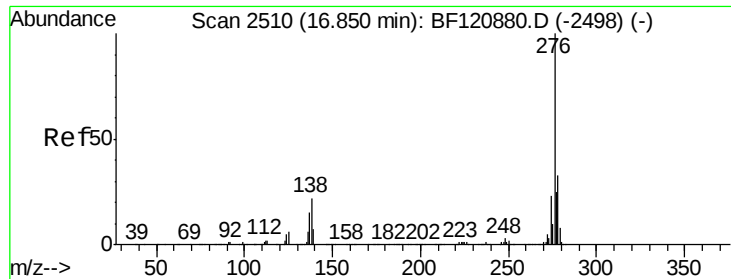


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.533 ng

RT: 16.82 min Scan# 2505

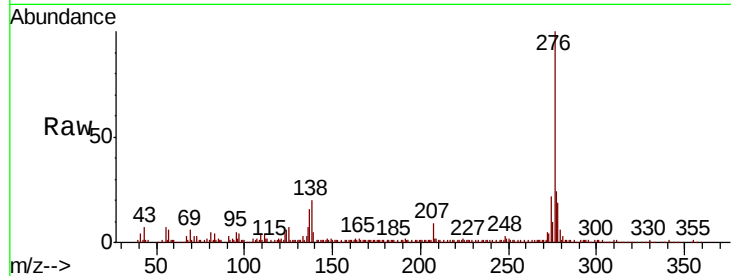
Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

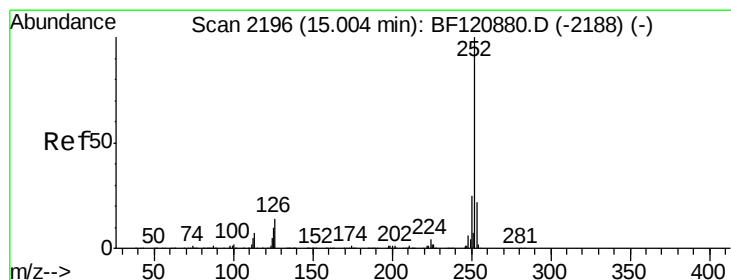
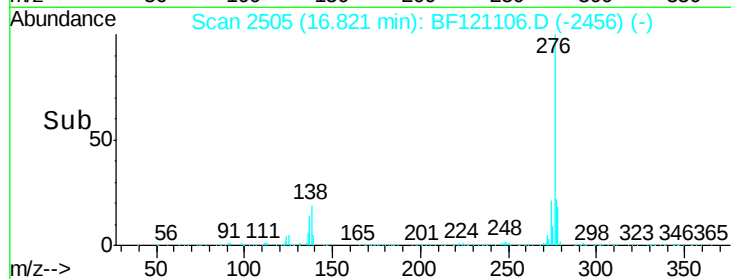
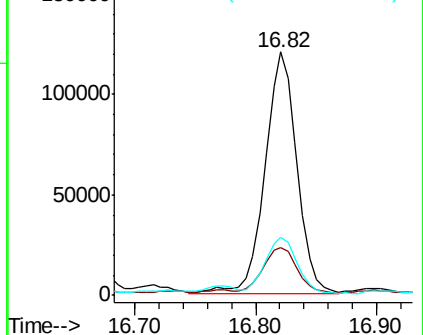
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	19.3	28.9
277	23.5	20.1	30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 22.784 ng

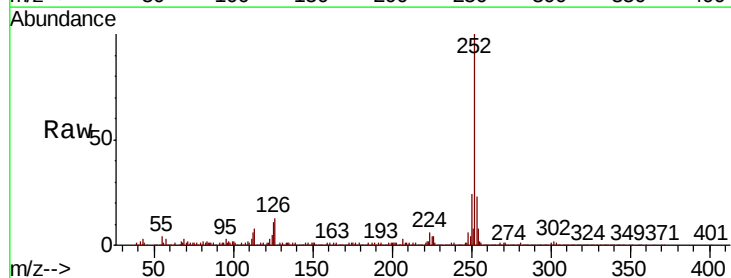
RT: 14.99 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

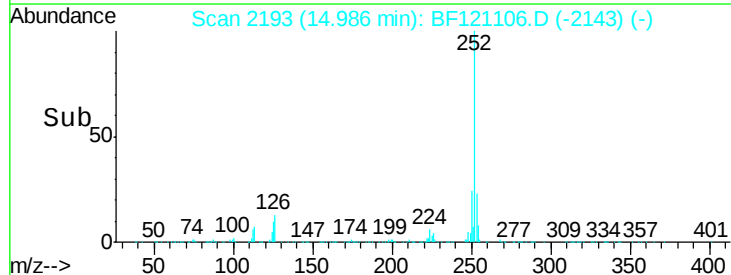
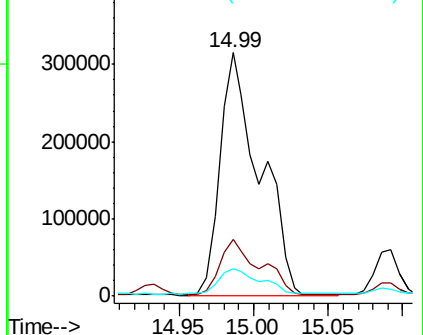
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.4	8.1	12.1

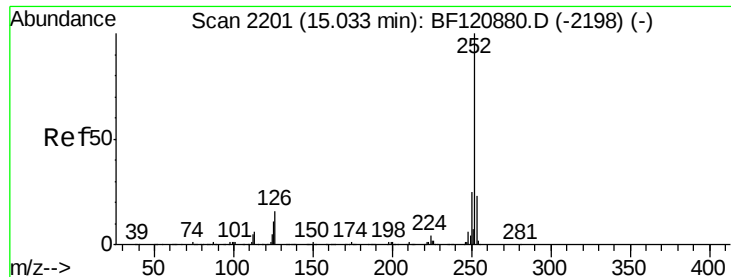


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

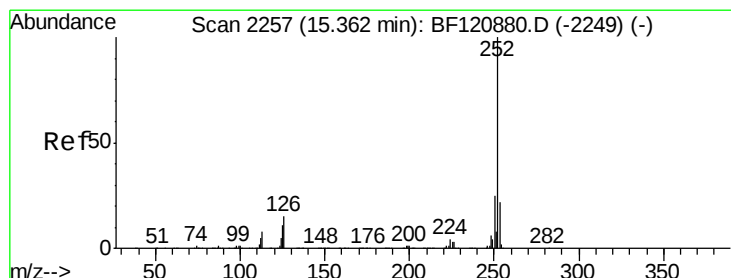
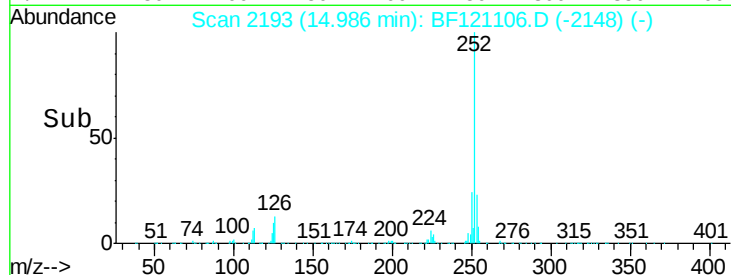
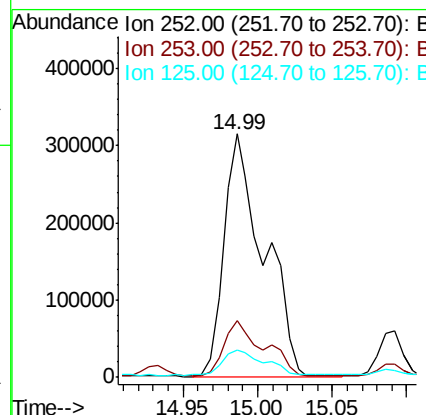
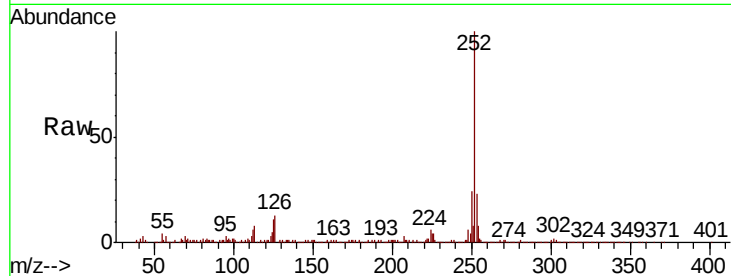




#89
Benzo(k)fluoranthene
Concen: 24.982 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.04 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

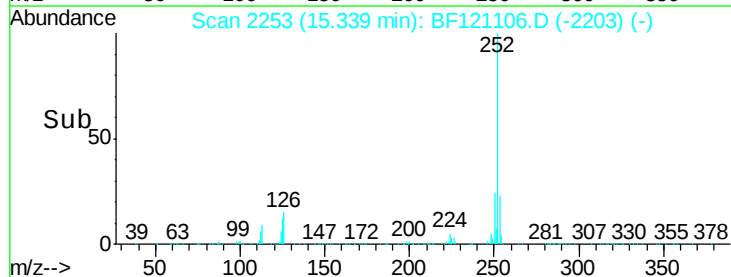
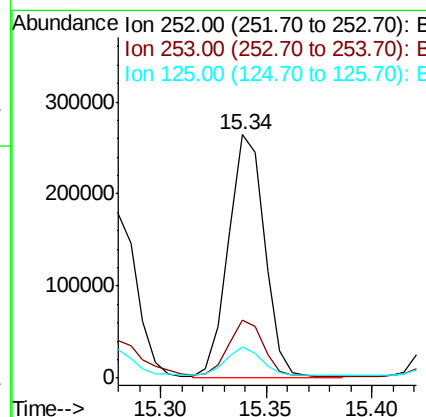
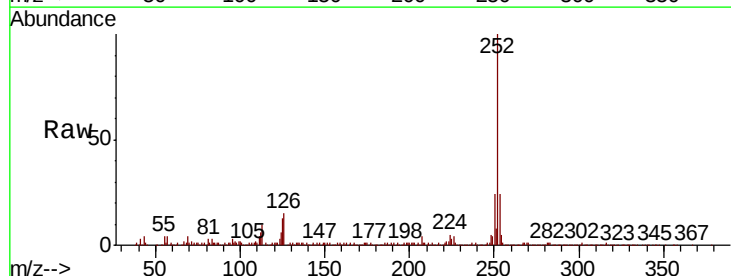
Instrument :
BNA_F
ClientSampleId :
PL-05-072720

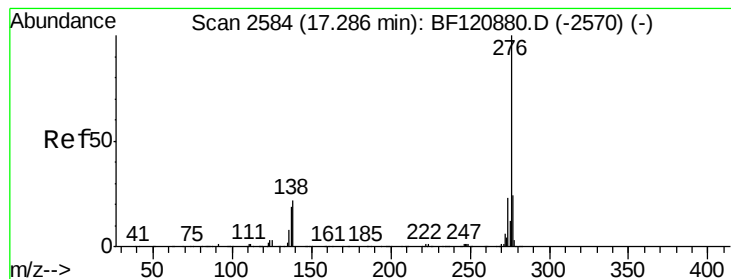
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.4	8.0	12.0



#90
Benzo(a)pyrene
Concen: 13.370 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	12.7	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 7.847 ng
 RT: 17.25 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BF121106.D
 Acq: 29 Jul 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-072720

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	21.2	17.2	25.8

