

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052920\
 Data File : BF120436.D
 Acq On : 29 May 2020 13:55
 Operator : MA/SJ
 Sample : L2948-09 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-052220

Quant Time: May 29 14:32:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	282971	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1050926	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	517975	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	826319	20.00	ng	0.00
76) Chrysene-d12	13.99	240	558050	20.00	ng	0.00
86) Perylene-d12	15.45	264	602528	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1041376	70.13	ng	0.00
7) Phenol-d6	6.46	99	1297076	70.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	804463	50.07	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	320326	66.74	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1574404	51.57	ng	0.00
79) Terphenyl-d14	12.94	244	1300205	51.85	ng	0.00

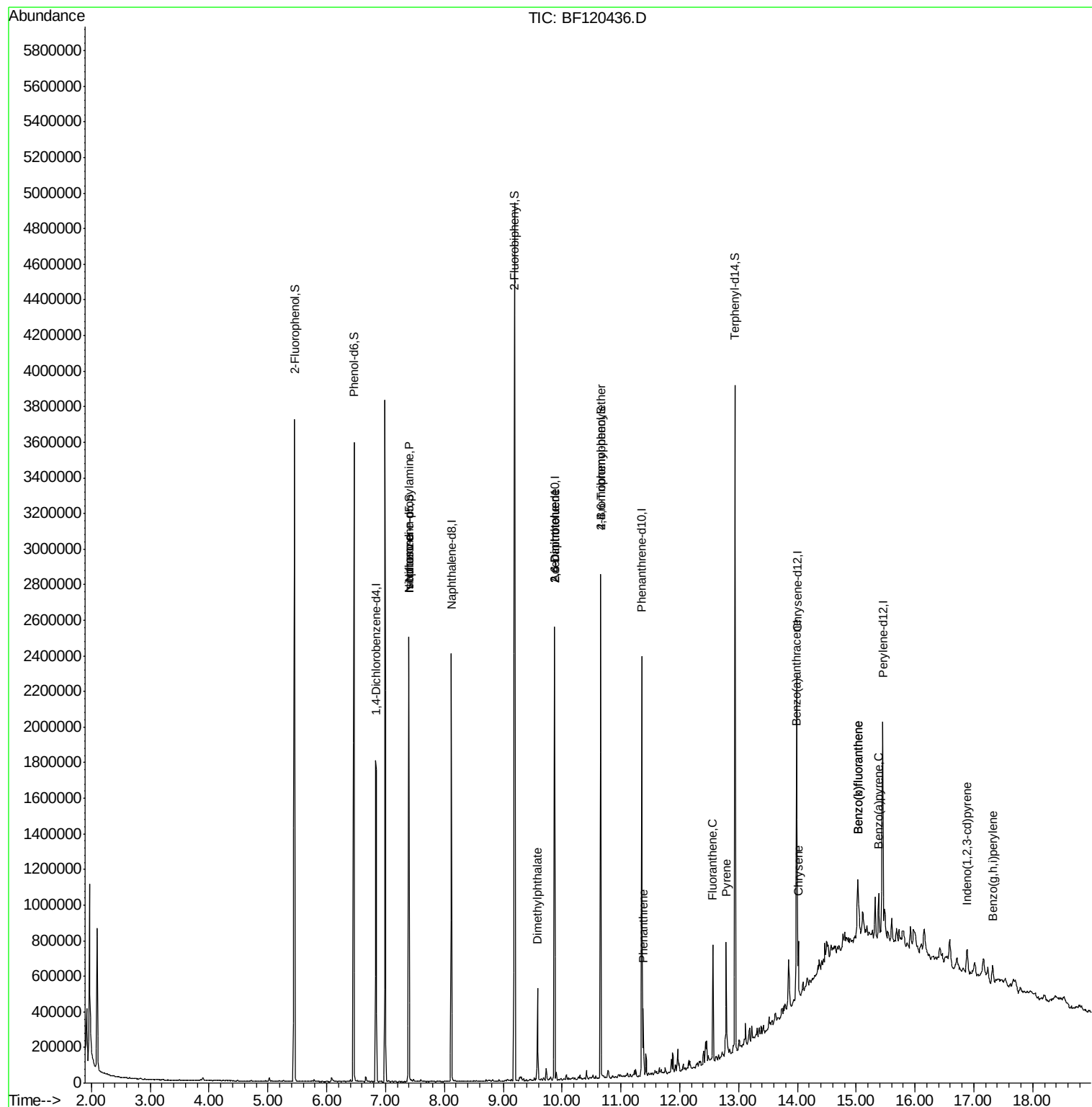
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	108457	9.323	ng	# 77
25) Isophorone	7.40	82	804382	24.911	ng	# 64
50) Dimethylphthalate	9.59	163	178634	5.516	ng	98
51) 2,6-Dinitrotoluene	9.87	165	67393	9.365	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	67393	7.317	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	19068	2.286	ng	# 1
71) Phenanthrene	11.38	178	135415	3.719	ng	97
75) Fluoranthene	12.56	202	265007	6.764	ng	99
78) Pyrene	12.79	202	255475	6.583	ng	98
81) Benzo(a)anthracene	13.98	228	136615	4.568	ng	96
83) Chrysene	14.02	228	121746	3.883	ng	95
87) Indeno(1,2,3-cd)pyrene	16.88	276	82668	2.509	ng	93
88) Benzo(b)fluoranthene	15.02	252	235367	7.033	ng	# 92
89) Benzo(k)fluoranthene	15.02	252	235367	7.534	ng	# 93
90) Benzo(a)pyrene	15.38	252	131423	4.490	ng	# 93
92) Benzo(g,h,i)perylene	17.32	276	81531	3.077	ng	96

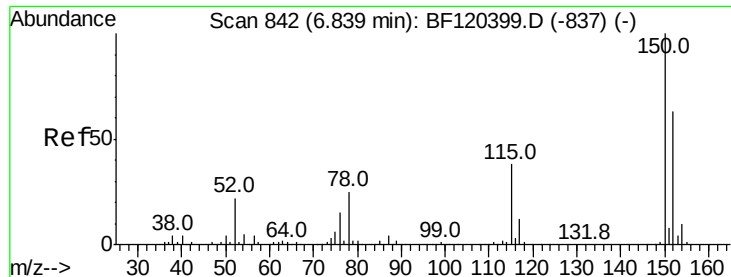
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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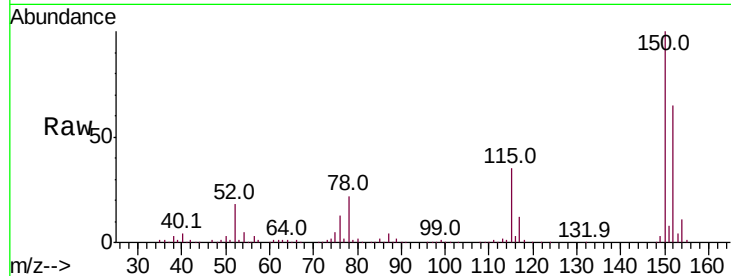


#1

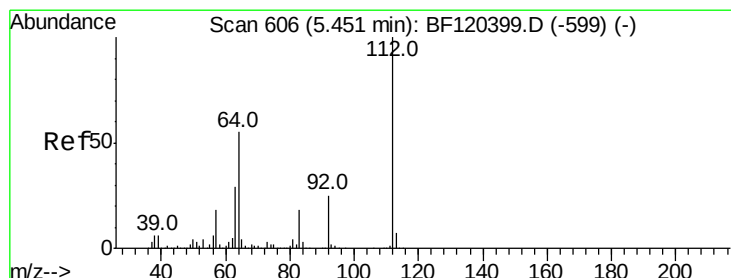
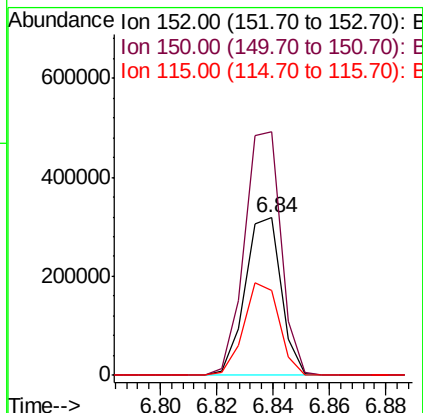
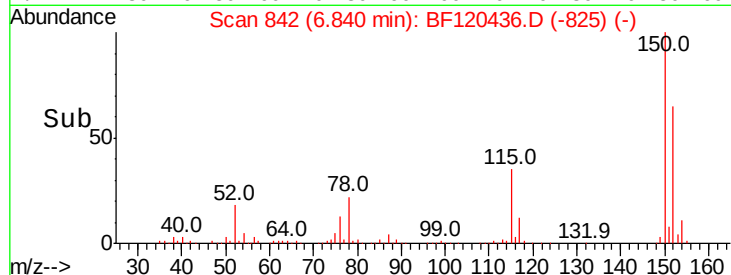
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Instrument :
BNA_F
ClientSampleId :
CL-01-052220

Tot Ion:152 Resp: 282971
Ion Ratio Lower Upper
152 100
150 154.6 126.5 189.7
115 54.1 47.6 71.4



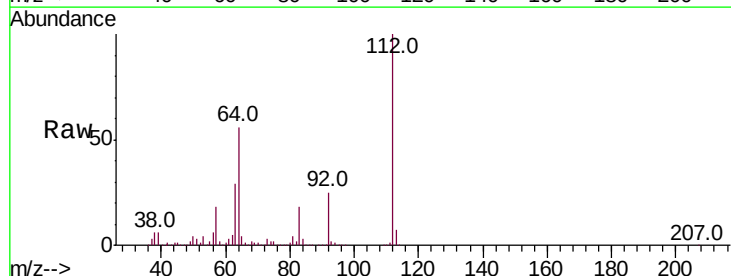
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



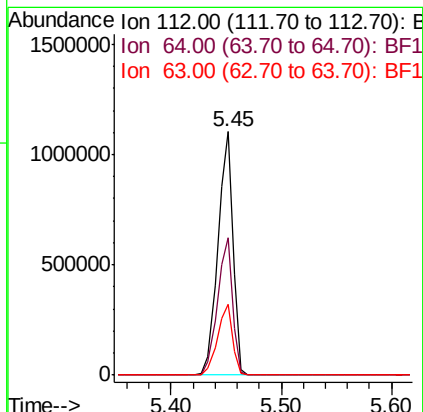
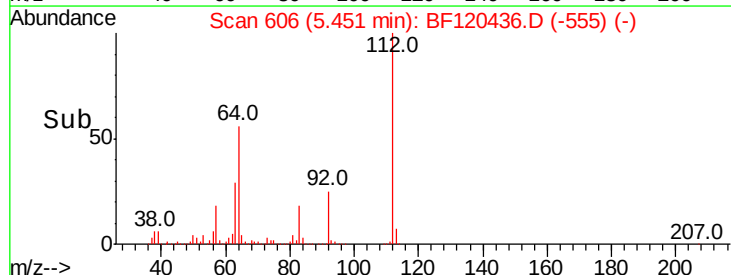
#5

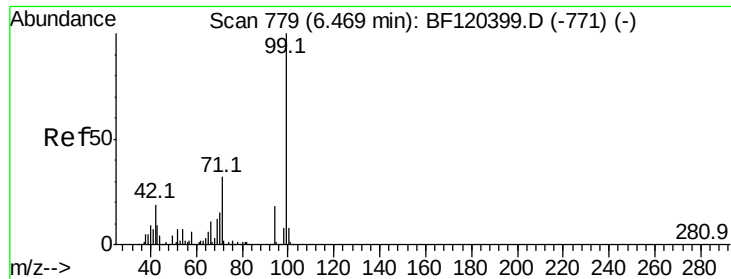
2-Fluorophenol
Concen: 70.134 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Tgt Ion:112 Resp: 1041376
Ion Ratio Lower Upper
112 100
64 56.4 44.3 66.5
63 28.9 22.9 34.3



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: 70.872 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Instrument :

BNA_F

ClientSampleId :

CL-01-052220

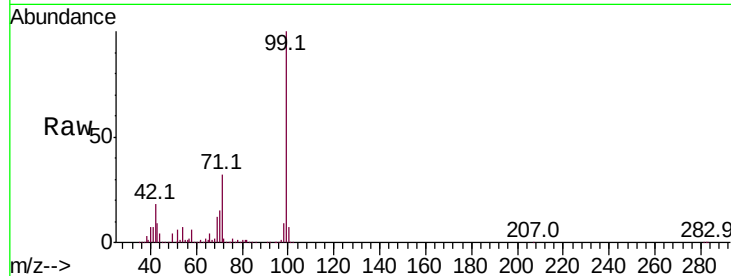
Tot Ion: 99 Resp: 1297076

Ion Ratio Lower Upper

99 100

42 18.0 15.2 22.8

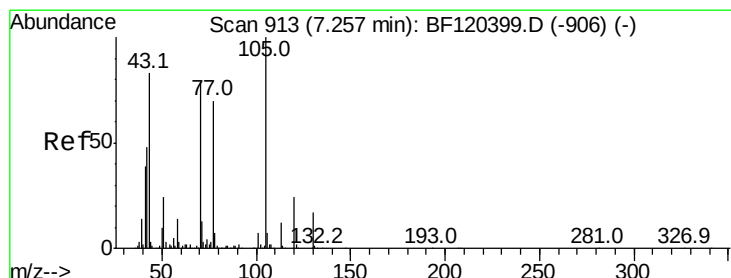
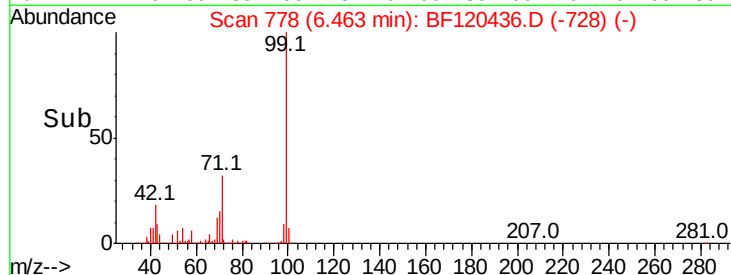
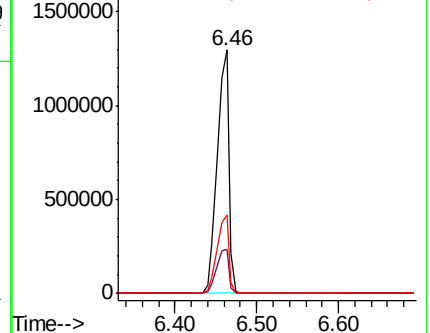
71 32.4 25.6 38.4



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: 9.323 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Tgt Ion: 70 Resp: 108457

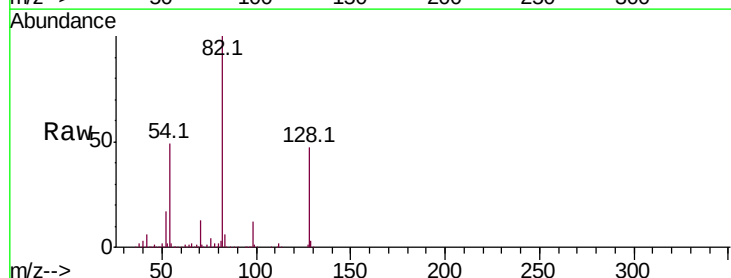
Ion Ratio Lower Upper

70 100

42 48.9 48.9 73.3

101 0.0 7.4 11.2#

130 2.1 16.8 25.2#

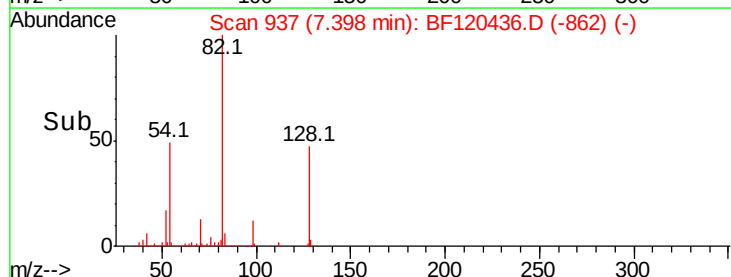
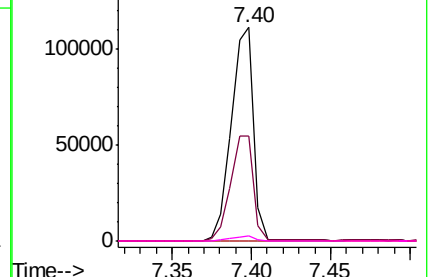


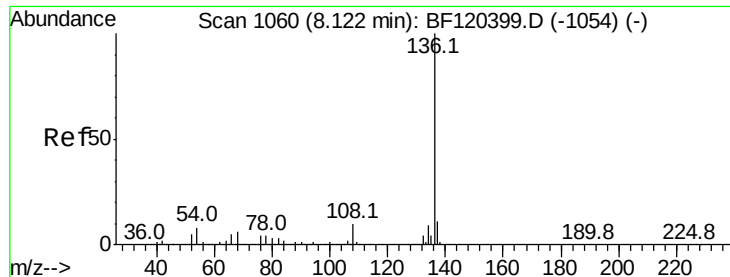
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120436.D

Acq: 29 May 2020 13:55

Instrument :

BNA_F

ClientSampleId :

CL-01-052220

Tot Ion:136 Resp: 1050926

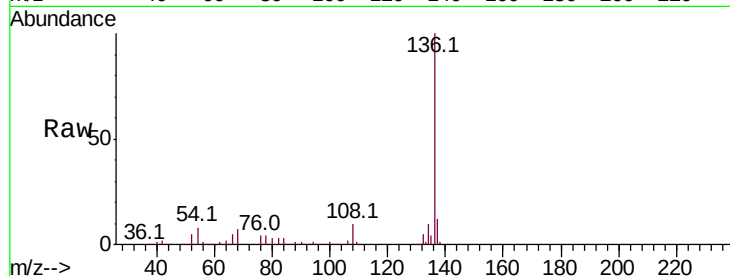
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 8.4 6.7 10.1

68 6.6 5.0 7.4

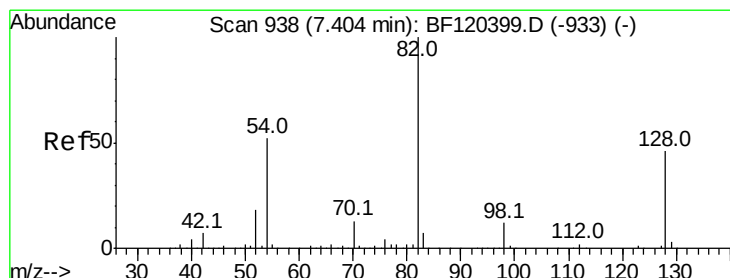
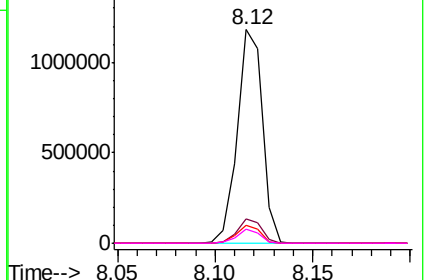
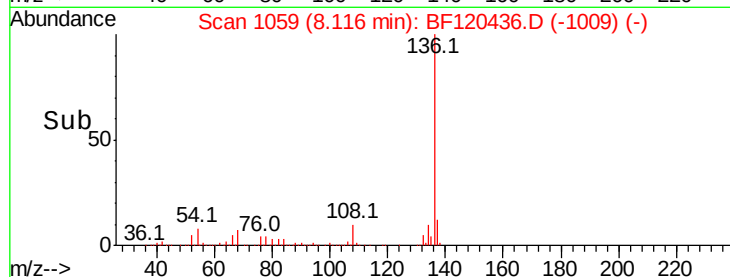


Abundance Ion 136.00 (135.70 to 136.70): E

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: 50.072 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

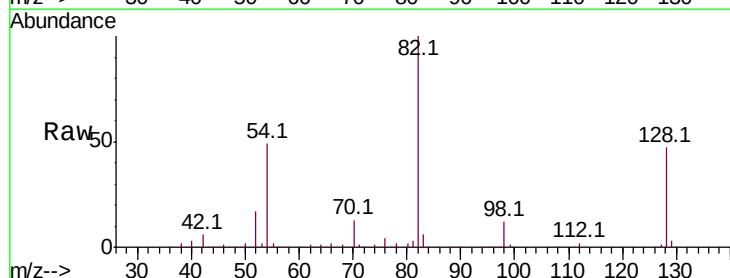
Tgt Ion: 82 Resp: 804463

Ion Ratio Lower Upper

82 100

128 47.1 36.8 55.2

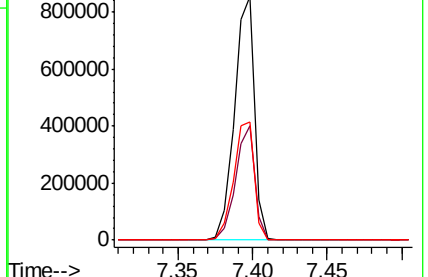
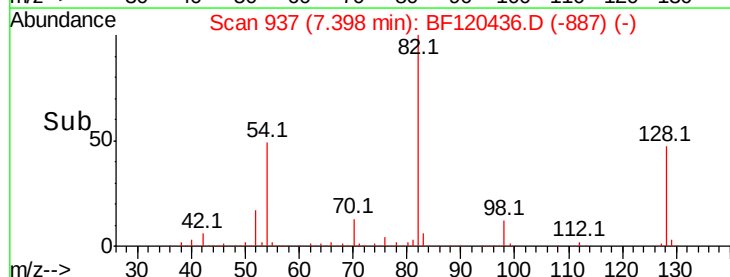
54 48.7 41.6 62.4

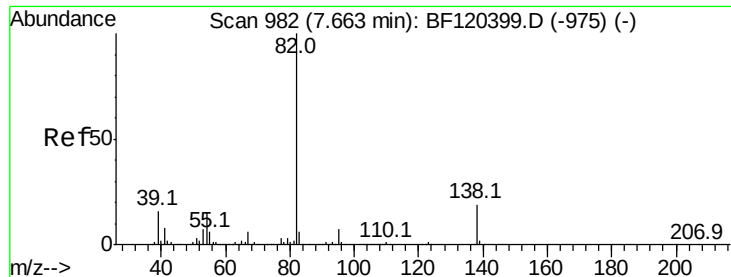


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 24.911 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Instrument :

BNA_F

ClientSampleId :

CL-01-052220

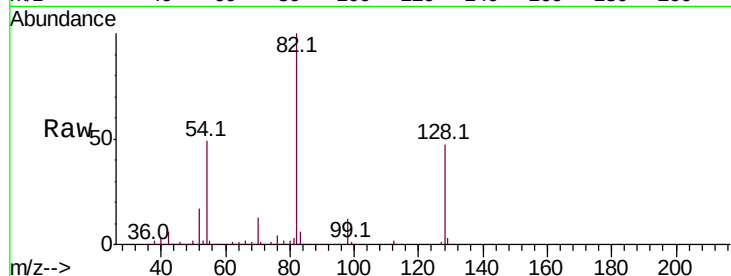
Tot Ion: 82 Resp: 804382

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

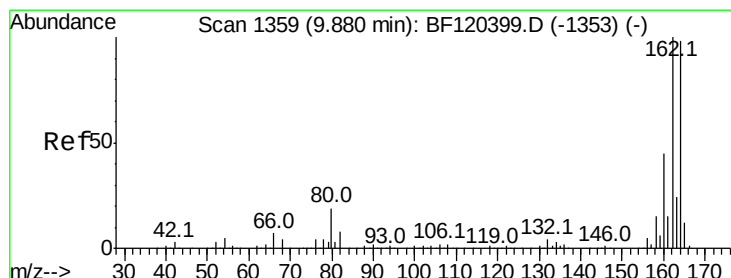
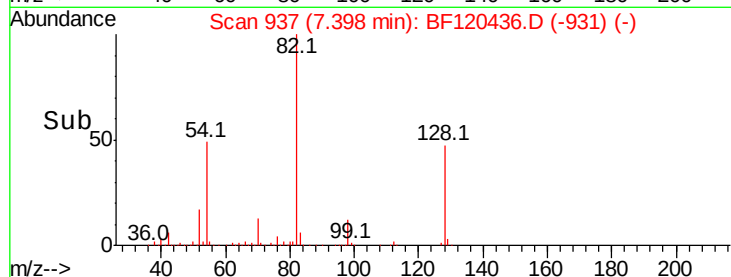
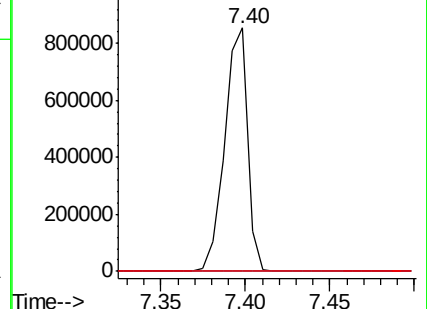
138 0.0 15.0 22.4#



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: 9.87 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

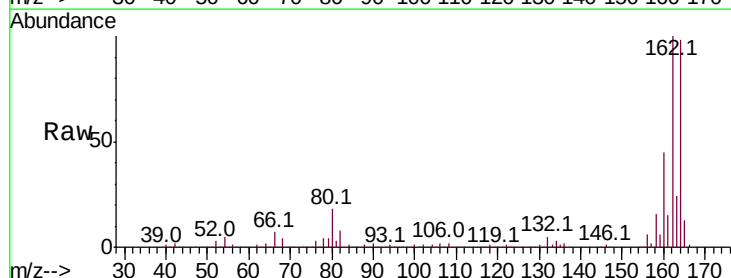
Tgt Ion: 164 Resp: 517975

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

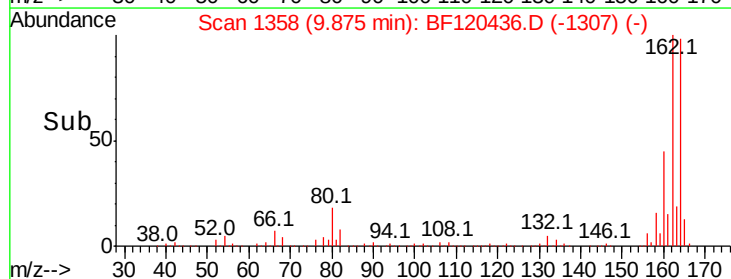
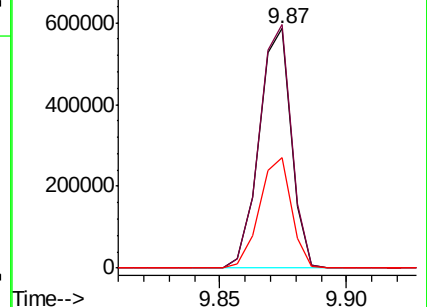
160 46.1 36.9 55.3

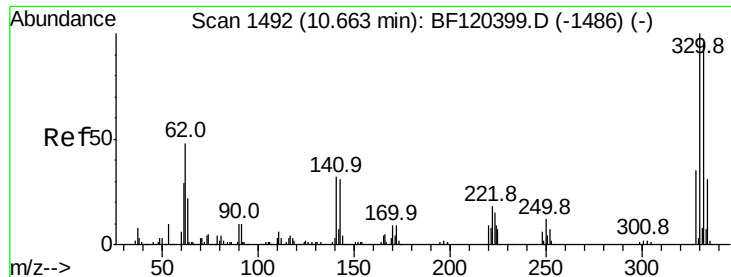


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

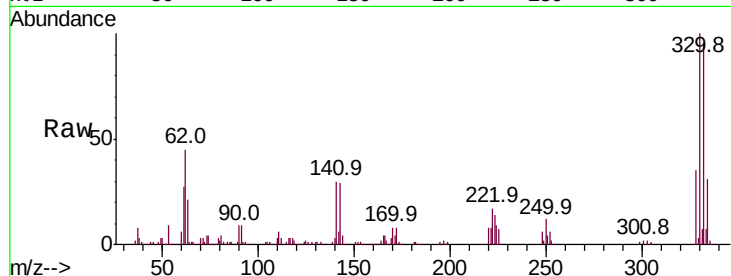




#42
 2,4,6-Tribromophenol
 Concen: 66.745 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-052220

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	31.0	25.3	37.9

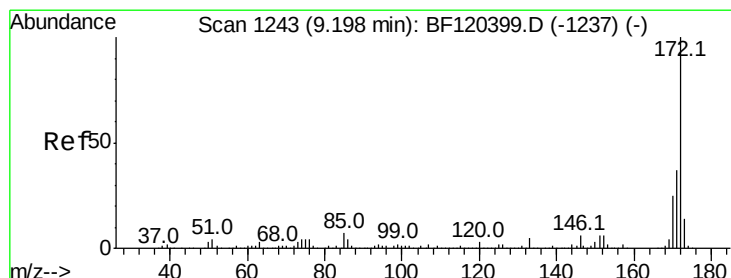
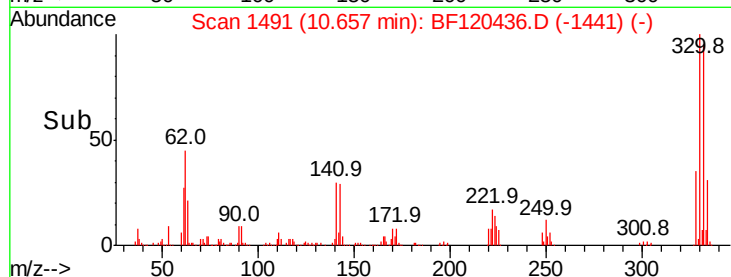
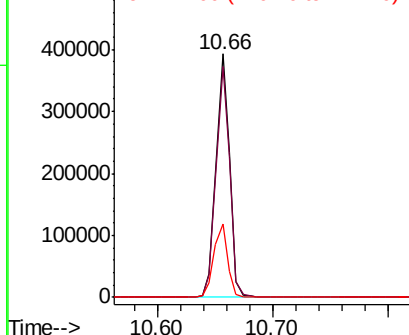


Abundance

Ion 329.80 (329.50 to 330.50): E

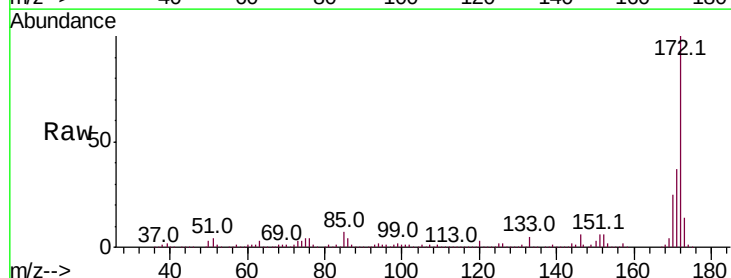
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 51.572 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.8	19.9	29.9

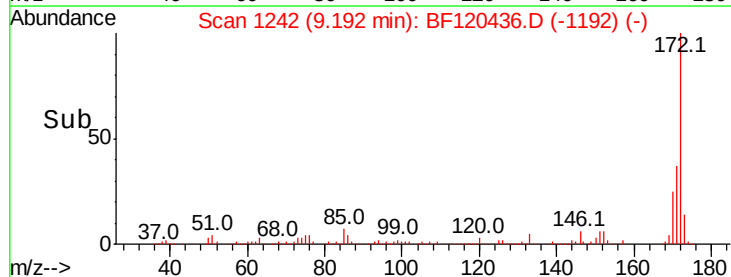
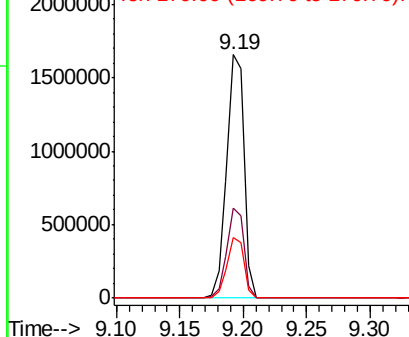


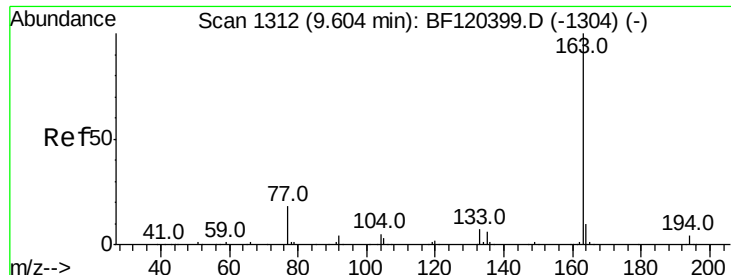
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.516 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

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BNA_F

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CL-01-052220

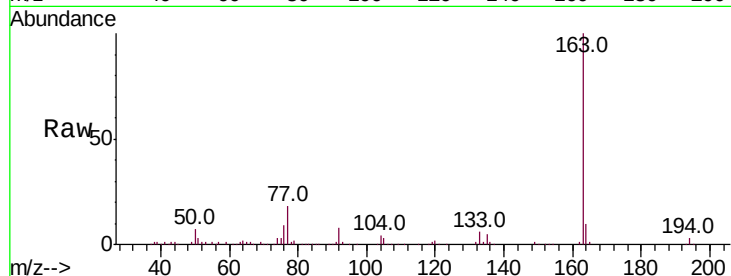
Tot Ion:163 Resp: 178634

Ion Ratio Lower Upper

163 100

194 3.5 3.3 4.9

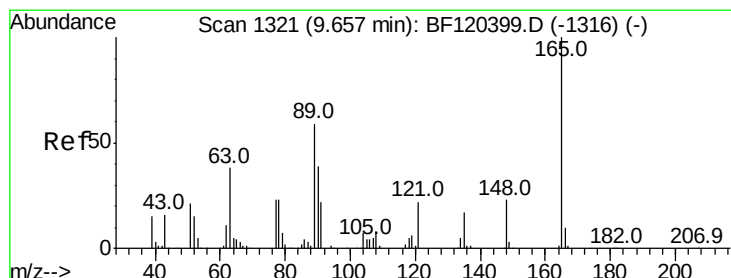
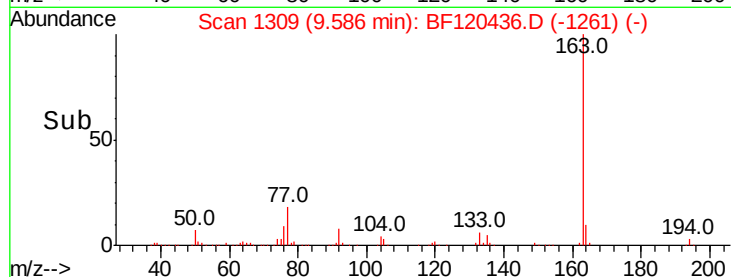
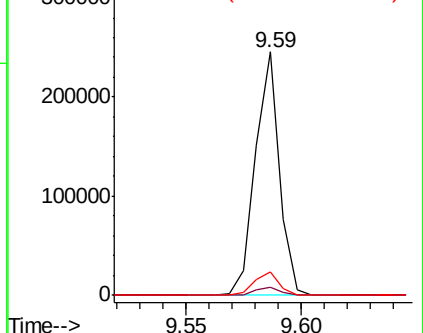
164 9.8 8.3 12.5



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: 9.365 ng

RT: 9.87 min Scan# 1358

Delta R.T. 0.21 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

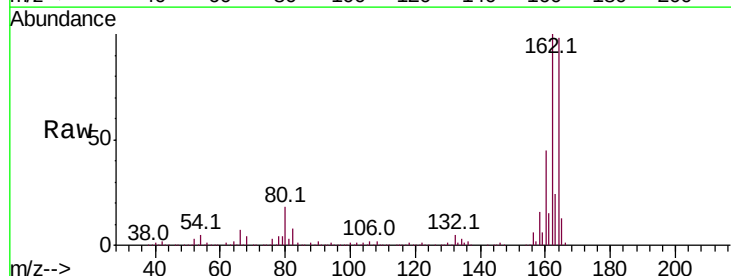
Tgt Ion:165 Resp: 67393

Ion Ratio Lower Upper

165 100

63 0.9 46.9 70.3#

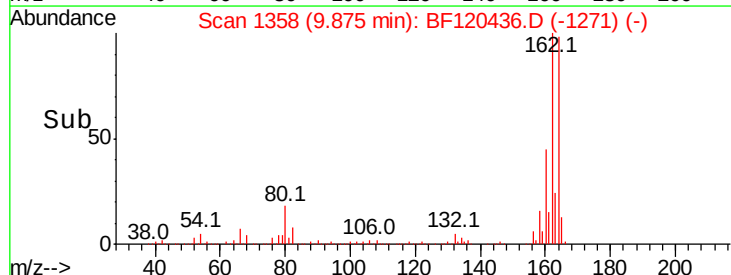
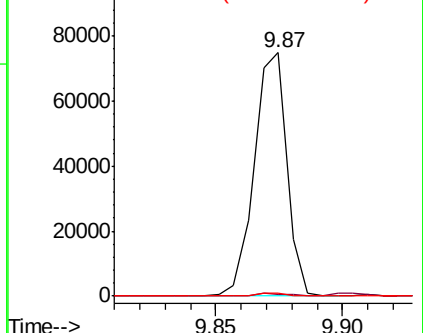
89 1.3 47.5 71.3#

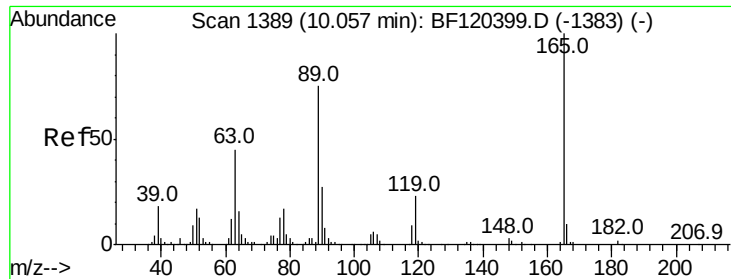


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

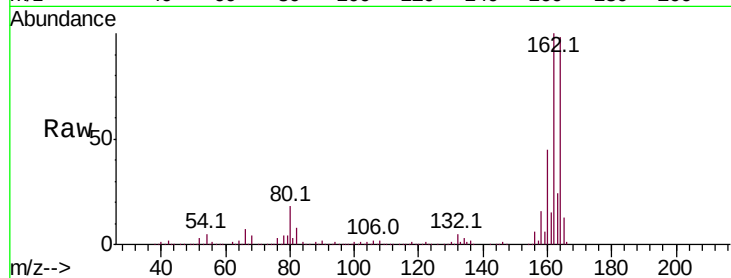




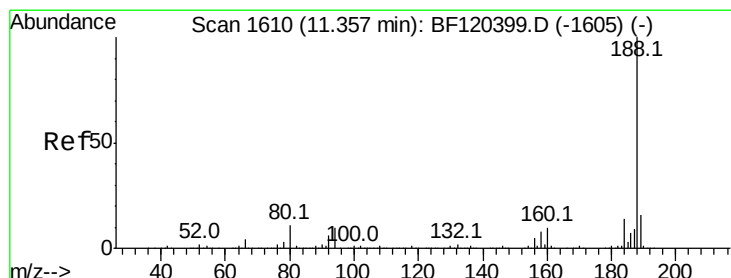
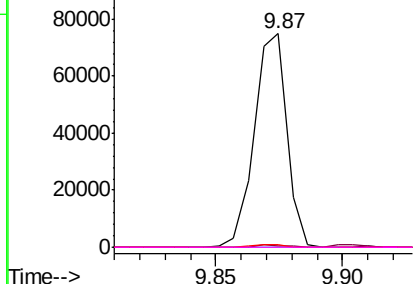
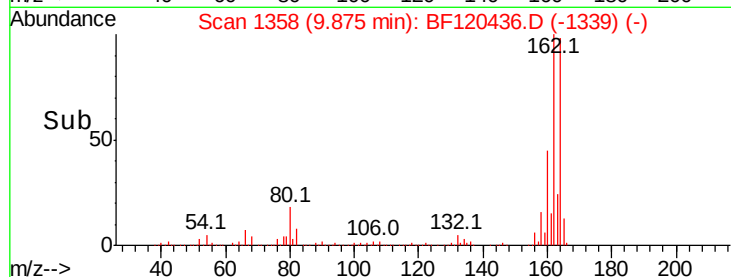
#57
 2,4-Dinitrotoluene
 Concen: 7.317 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.19 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-052220

Tot Ion:165 Resp: 67393
 Ion Ratio Lower Upper
 165 100
 63 0.9 35.9 53.9#
 89 1.3 60.0 90.0#
 182 0.0 2.0 3.0#

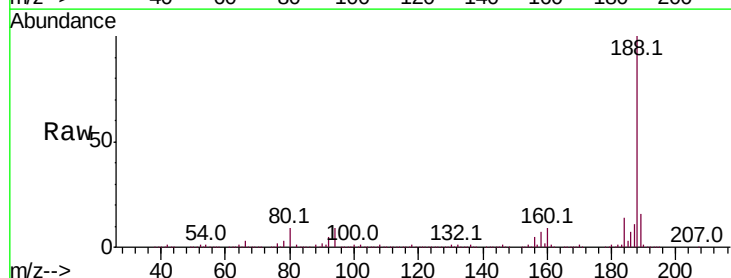


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

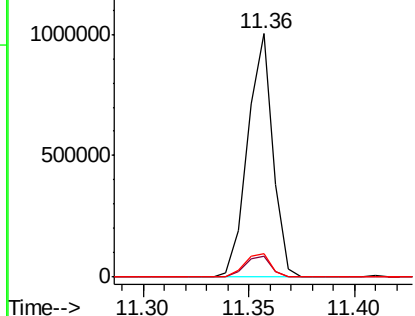
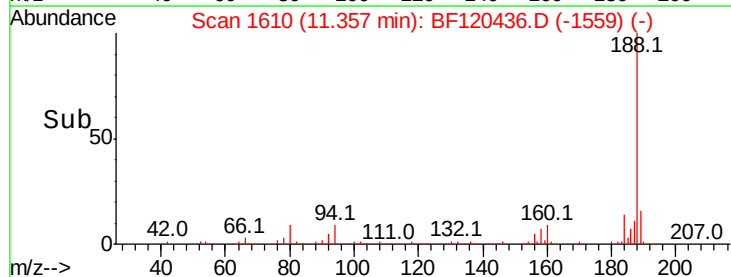


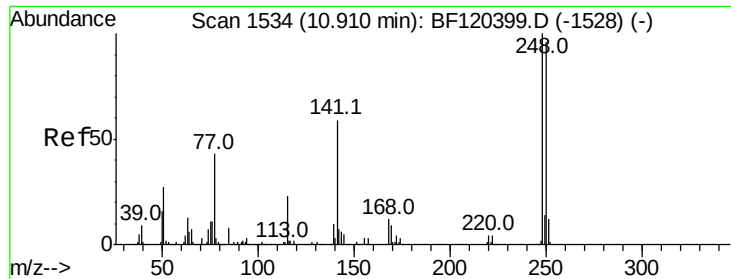
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Tgt Ion:188 Resp: 826319
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.9 11.9
 80 9.4 8.6 13.0



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

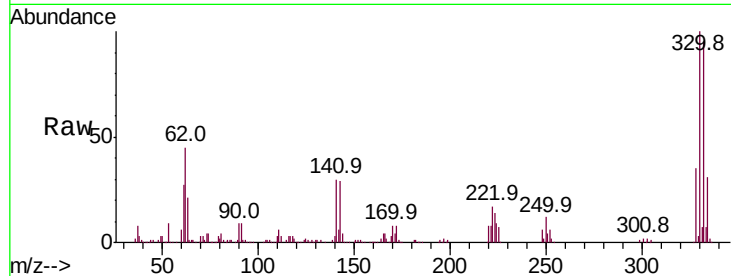




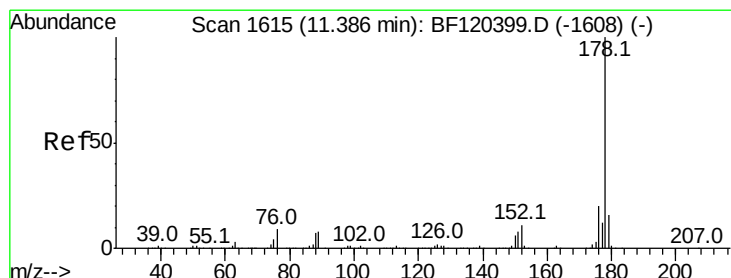
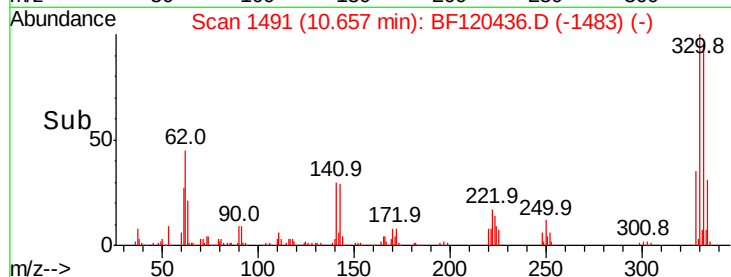
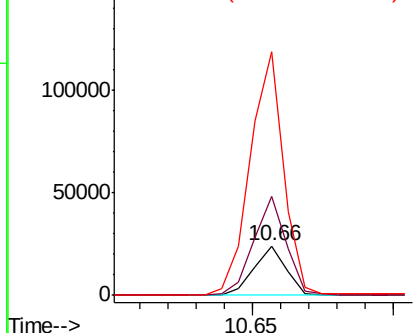
#67
 4-Bromophenyl-phenylether
 Concen: 2.286 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-052220

Tot Ion:248 Resp: 19068
 Ion Ratio Lower Upper
 248 100
 250 198.7 76.5 114.7#
 141 490.1 47.2 70.8#

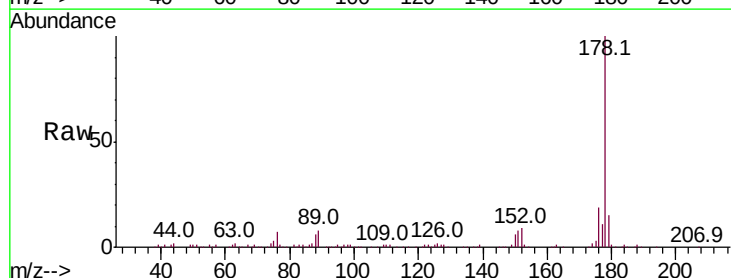


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

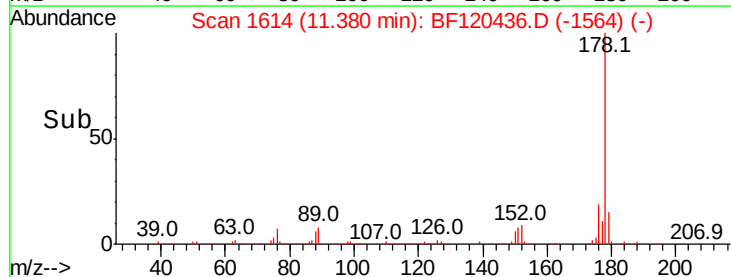
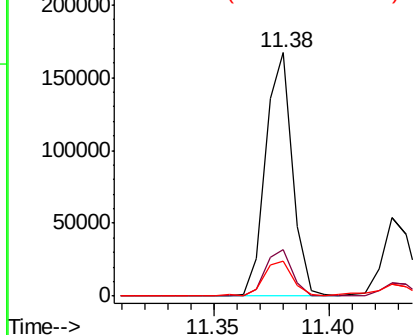


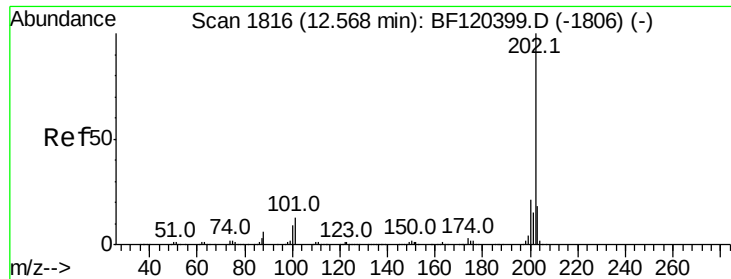
#71
 Phenanthrene
 Concen: 3.719 ng
 RT: 11.38 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF120436.D
 Acq: 29 May 2020 13:55

Tgt Ion:178 Resp: 135415
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.4 24.6
 179 14.6 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





#75

Fluoranthene

Concen: 6.764 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Instrument :

BNA_F

ClientSampleId :

CL-01-052220

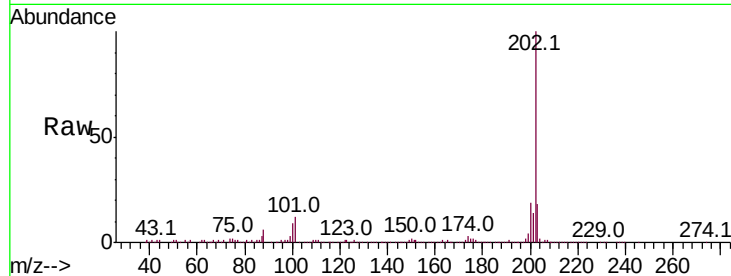
Tot Ion:202 Resp: 265007

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.6

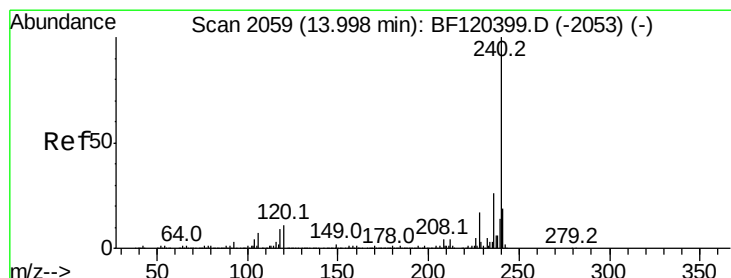
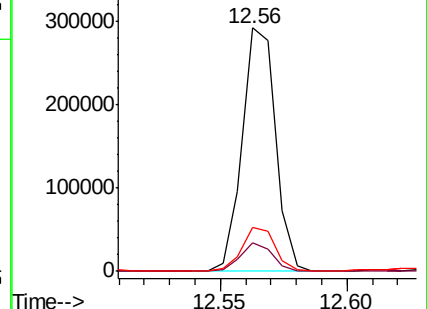
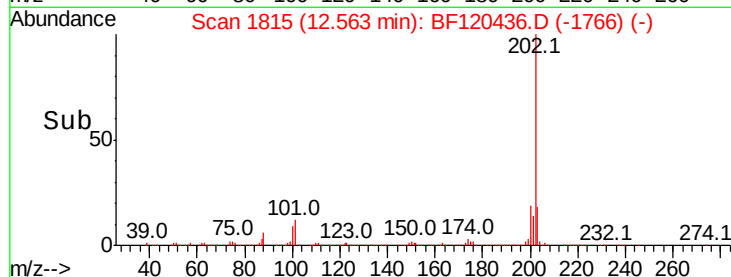
203 18.1 0.0 38.4



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: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

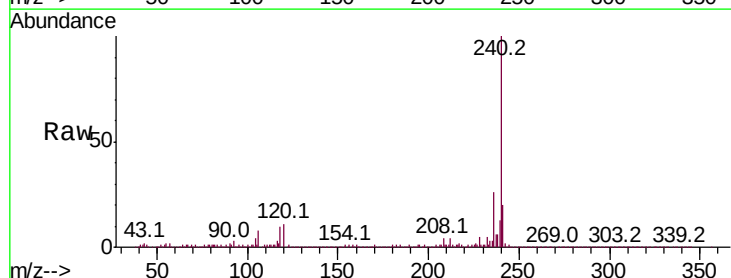
Tgt Ion:240 Resp: 558050

Ion Ratio Lower Upper

240 100

120 11.4 8.8 13.2

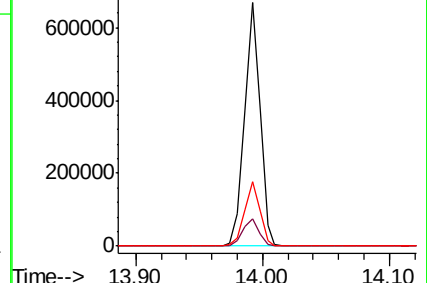
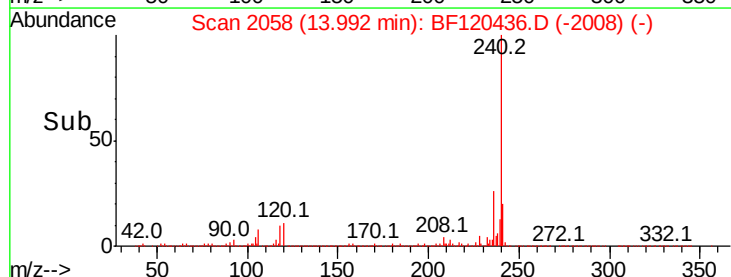
236 26.4 21.0 31.4

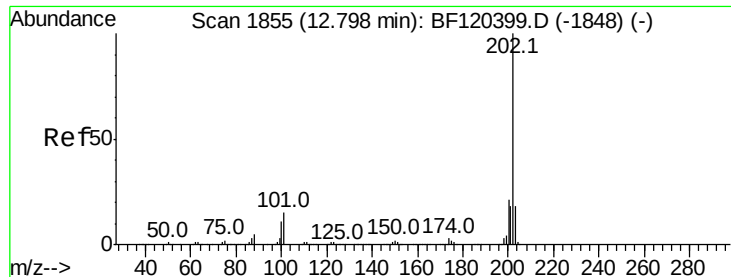


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.583 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Instrument :

BNA_F

ClientSampleId :

CL-01-052220

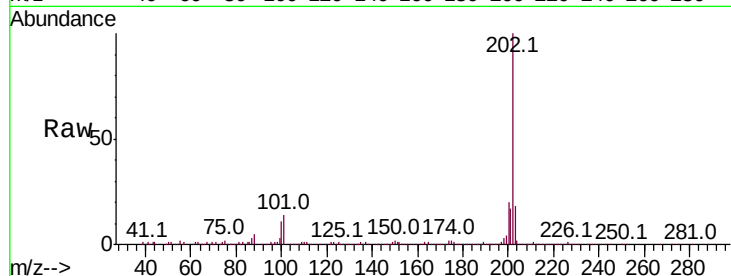
Tot Ion:202 Resp: 255475

Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.4

203 18.1 14.7 22.1

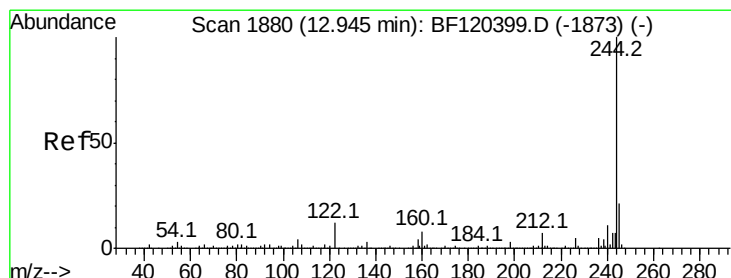
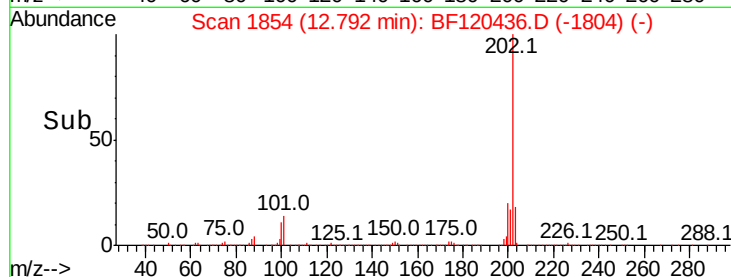
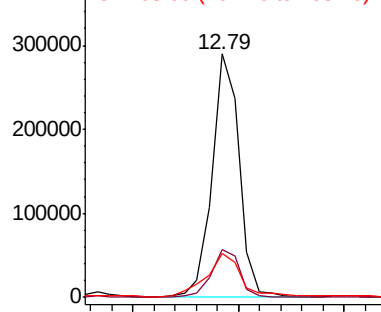


Abundance

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: 51.846 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

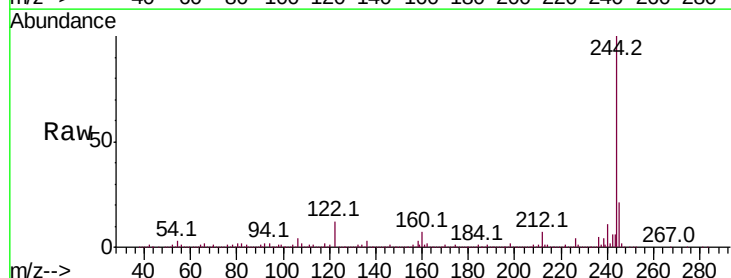
Tgt Ion:244 Resp: 1300205

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 11.7 9.2 13.8

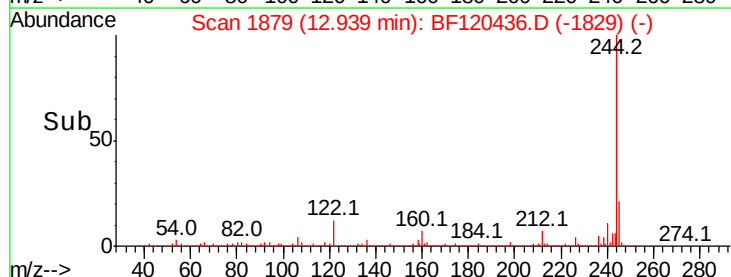
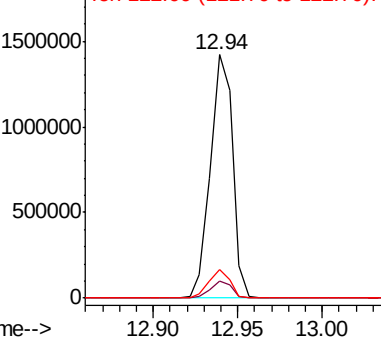


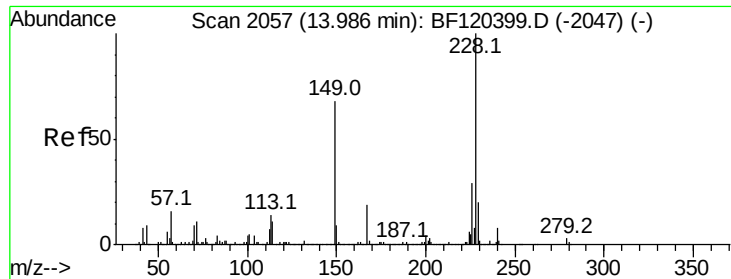
Abundance

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: 4.568 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

Instrument :

BNA_F

ClientSampleId :

CL-01-052220

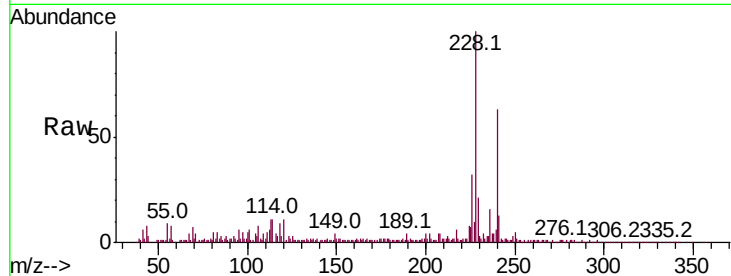
Tot Ion:228 Resp: 136615

Ion Ratio Lower Upper

228 100

226 31.8 23.0 34.4

229 21.2 16.2 24.4

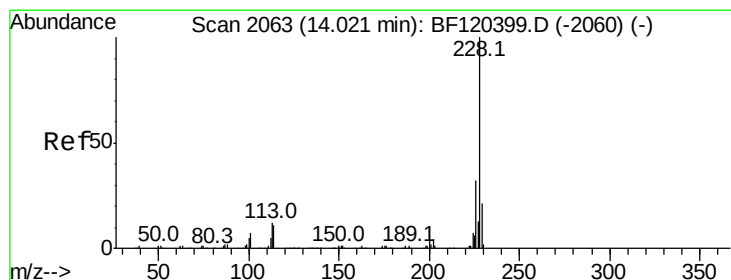
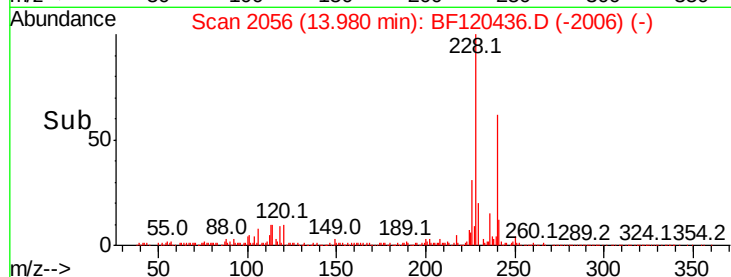
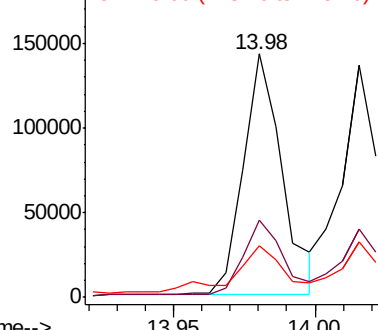


Abundance

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



#83

Chrysene

Concen: 3.883 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BF120436.D

Acq: 29 May 2020 13:55

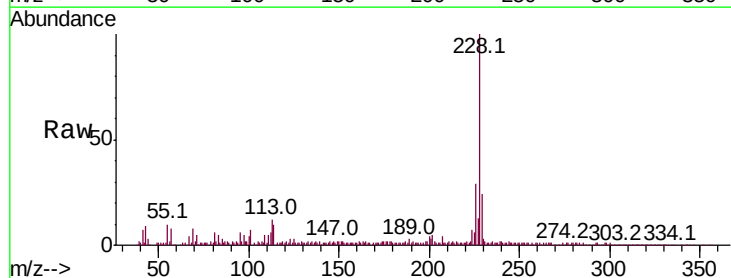
Tgt Ion:228 Resp: 121746

Ion Ratio Lower Upper

228 100

226 29.4 25.6 38.4

229 23.8 16.6 25.0

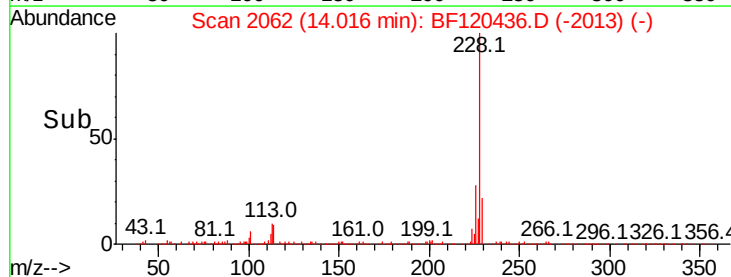
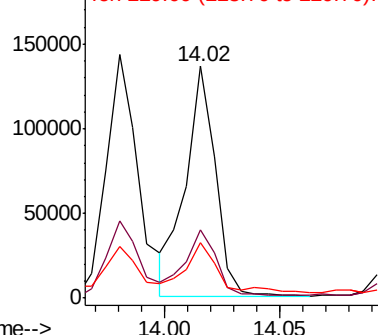


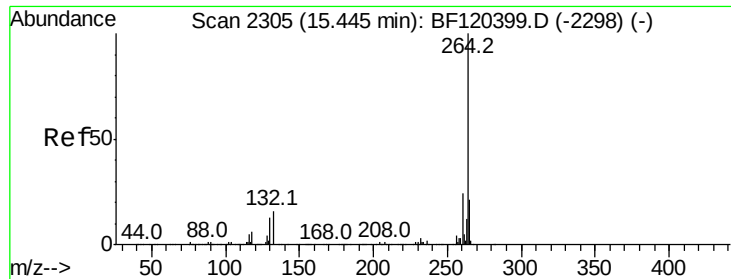
Abundance

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

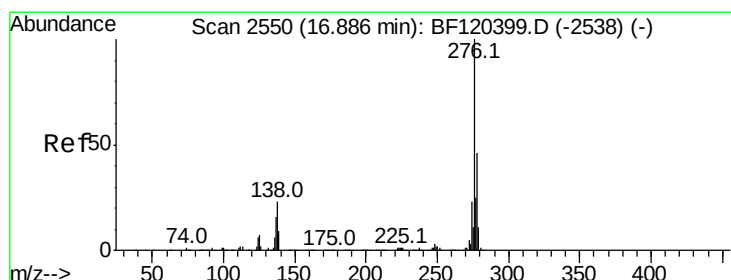
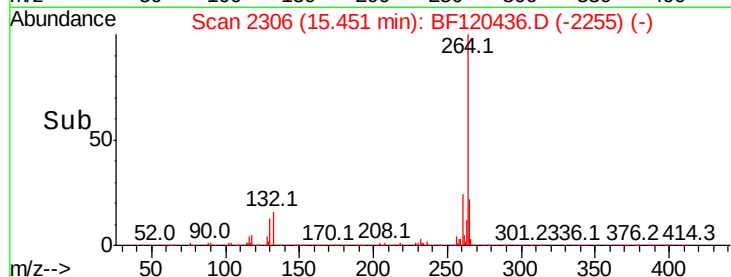
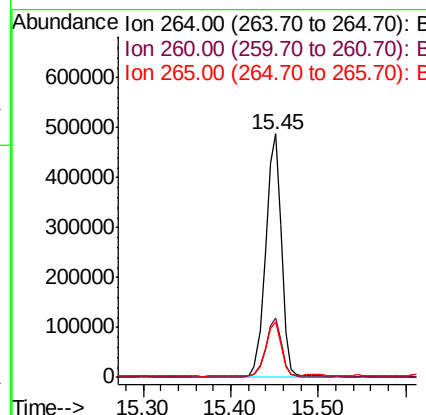
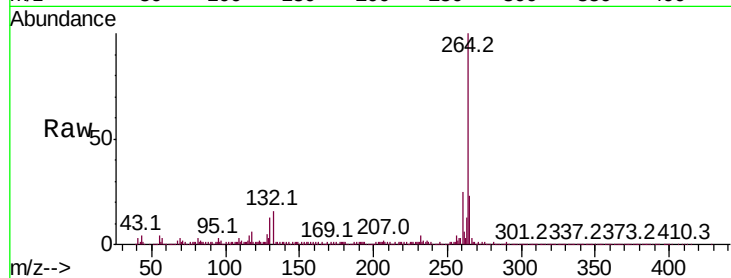




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

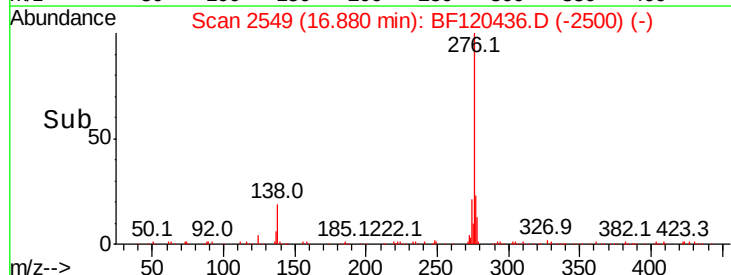
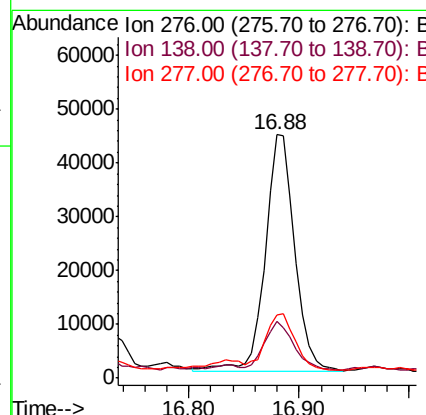
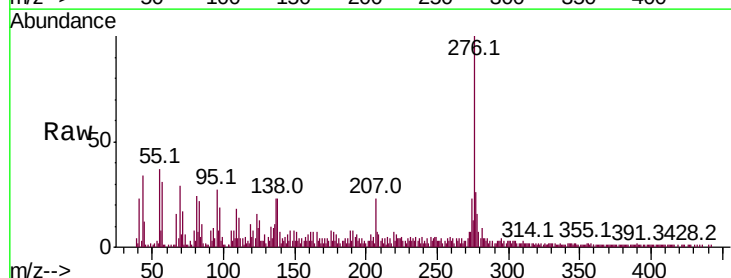
Instrument :
BNA_F
ClientSampleId :
CL-01-052220

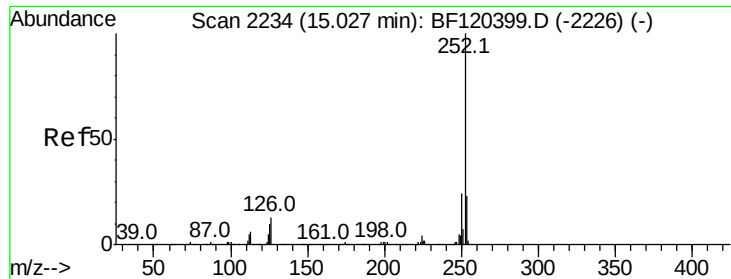
Tot Ion:264 Resp: 602528
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.7 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.509 ng
RT: 16.88 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Tgt Ion:276 Resp: 82668
Ion Ratio Lower Upper
276 100
138 20.8 20.4 30.6
277 23.4 20.4 30.6

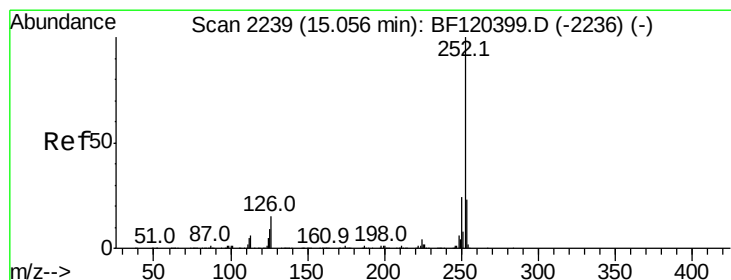
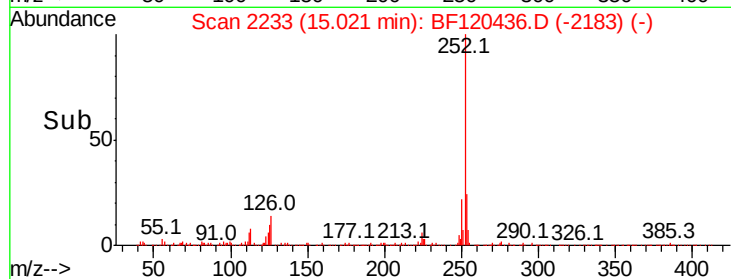
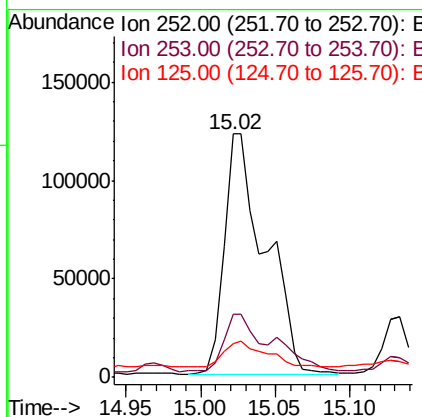
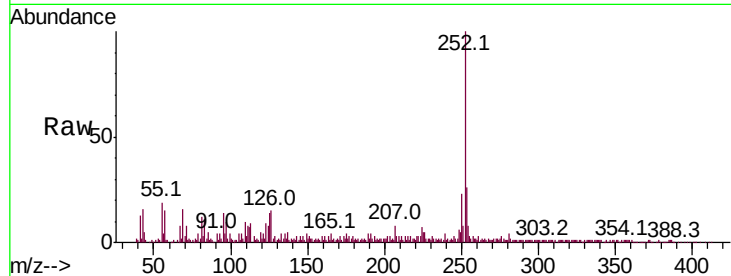




#88
Benzo(b)fluoranthene
Concen: 7.033 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

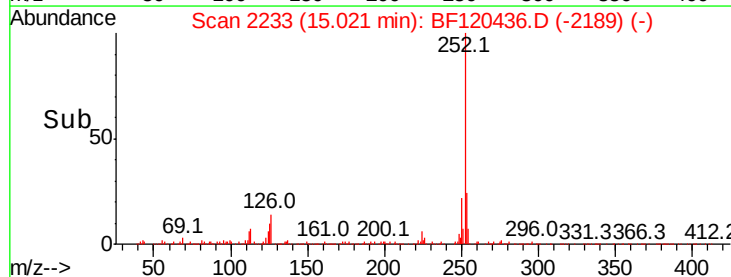
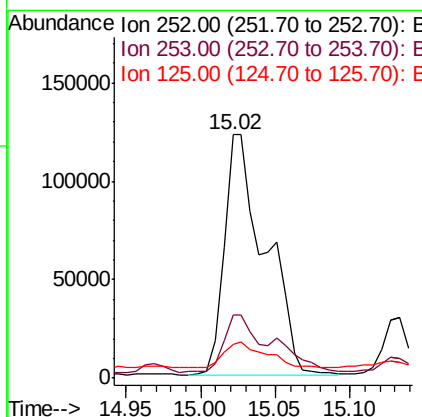
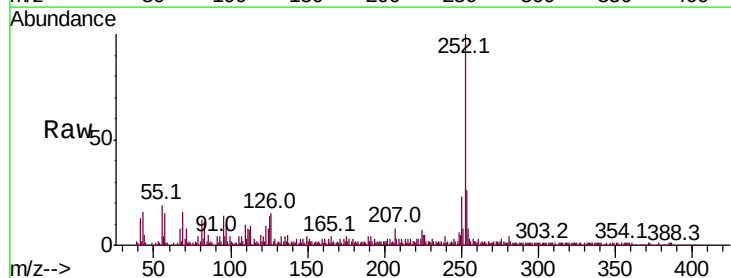
Instrument :
BNA_F
ClientSampleId :
CL-01-052220

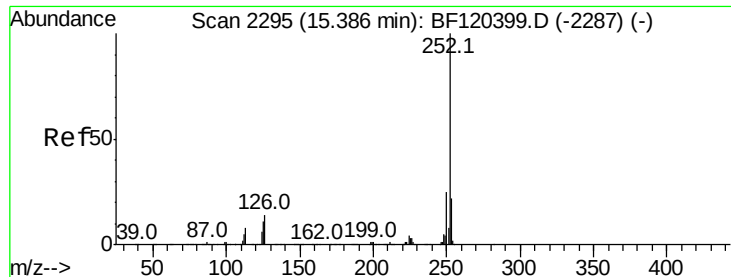
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.1	27.1
125	14.0	7.8	11.8



#89
Benzo(k)fluoranthene
Concen: 7.534 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.5	27.7
125	14.0	8.0	12.0

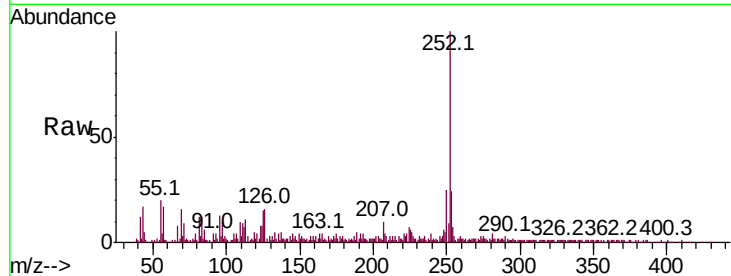




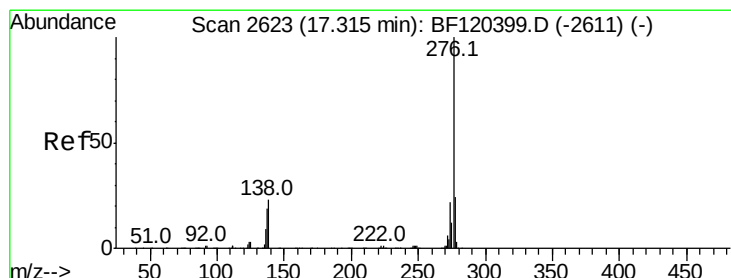
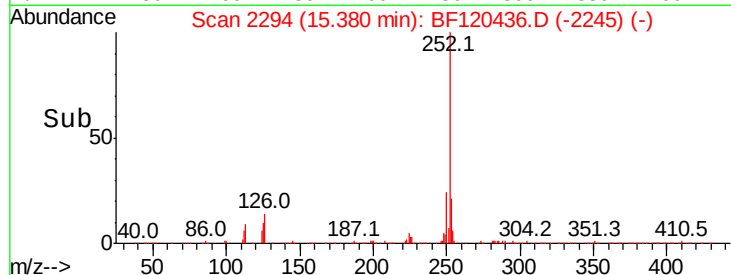
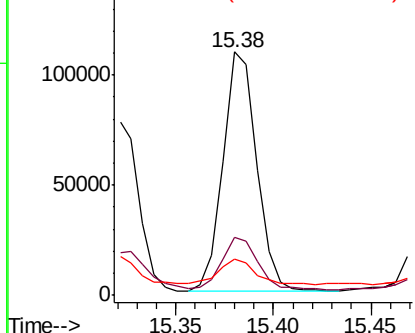
#90
Benzo(a)pyrene
Concen: 4.490 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Instrument :
BNA_F
ClientSampleId :
CL-01-052220

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	15.1	8.7	13.1

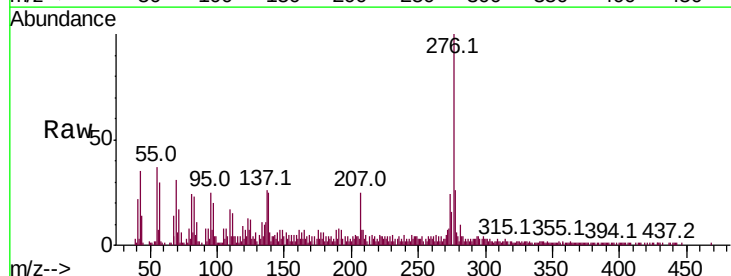


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.077 ng
RT: 17.32 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF120436.D
Acq: 29 May 2020 13:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.5	29.3
138	24.7	18.1	27.1



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

