

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128978.D
 Acq On : 24 Jun 2022 03:51
 Operator : CG\JU
 Sample : N3428-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062122

Quant Time: Jun 24 04:42:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

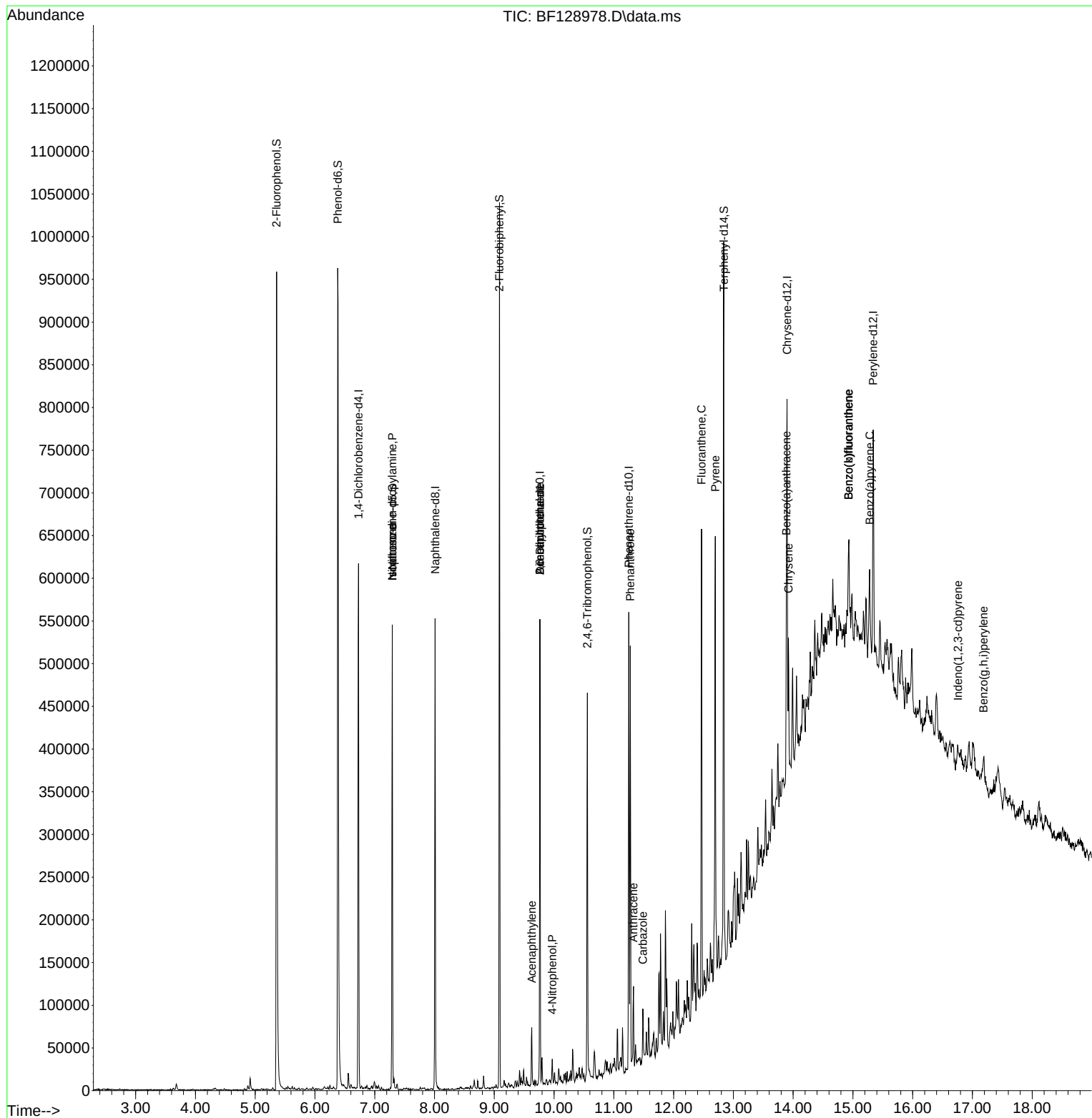
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	83377	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	196812	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	97294	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	175467	20.000	ng	0.00
76) Chrysene-d12	13.898	240	133090	20.000	ng	0.00
86) Perylene-d12	15.339	264	97137	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	256470	48.996	ng	0.00
7) Phenol-d6	6.381	99	310391	48.577	ng	0.00
23) Nitrobenzene-d5	7.293	82	140982	33.351	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	46793	40.705	ng	0.00
45) 2-Fluorobiphenyl	9.087	172	253861	36.550	ng	0.00
79) Terphenyl-d14	12.839	244	284320	37.121	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.293	70	19732	4.967	ng	# 80
25) Isophorone	7.293	82	139481	21.725	ng	# 65
49) Acenaphthylene	9.628	152	25617	3.004	ng	99
50) Dimethylphthalate	9.763	163	16671	2.503	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	13204	10.046	ng	# 26
56) 4-Nitrophenol	9.969	139	3390	3.278	ng	# 10
71) Phenanthrene	11.275	178	156767	17.812	ng	98
72) Anthracene	11.328	178	32892	3.776	ng	97
73) Carbazole	11.486	167	20134	2.488	ng	98
75) Fluoranthene	12.469	202	200976	21.846	ng	95
78) Pyrene	12.698	202	207372	20.943	ng	98
81) Benzo(a)anthracene	13.886	228	69024	8.320	ng	94
83) Chrysene	13.922	228	63789	8.065	ng	97
87) Indeno(1,2,3-cd)pyrene	16.757	276	17932	3.063	ng	# 87
88) Benzo(b)fluoranthene	14.927	252	61023	9.831	ng	# 80
89) Benzo(k)fluoranthene	14.927	252	61023	10.451	ng	# 80
90) Benzo(a)pyrene	15.280	252	36602	7.503	ng	# 81
92) Benzo(g,h,i)perylene	17.186	276	20019	4.159	ng	93

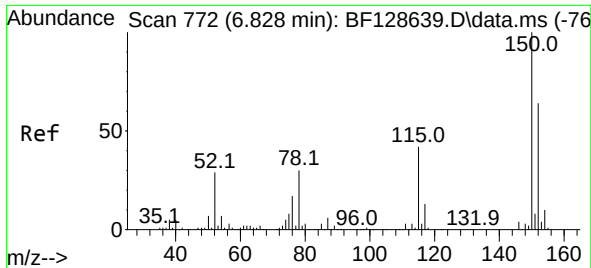
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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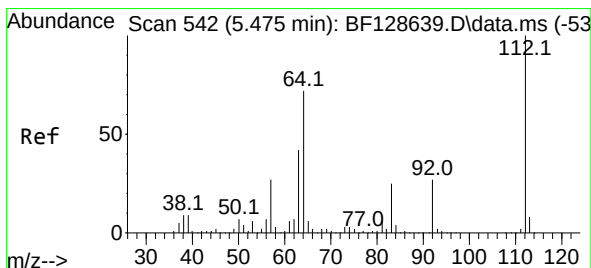
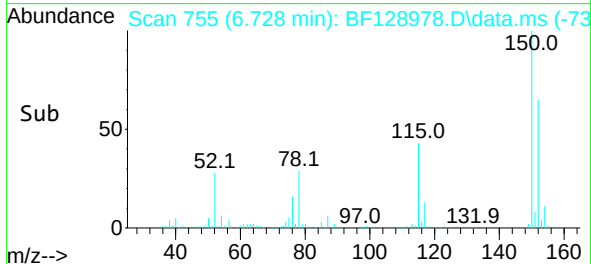
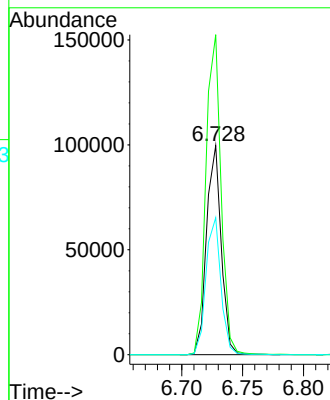
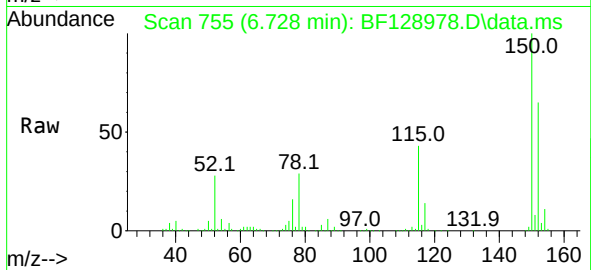




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

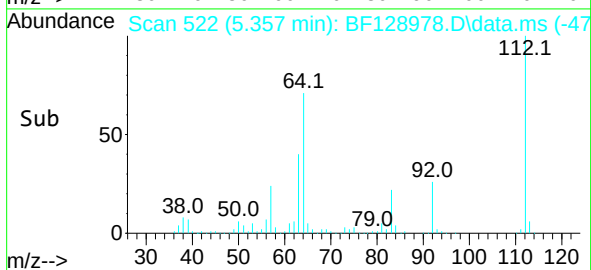
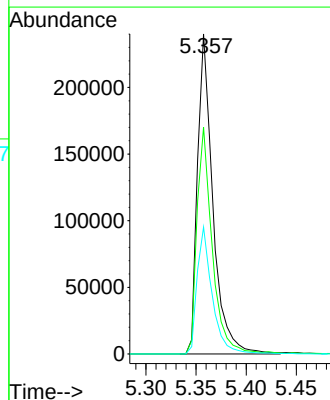
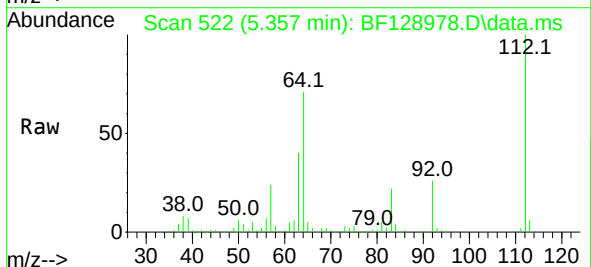
Instrument :
BNA_F
ClientSampleId :
CL-01-062122

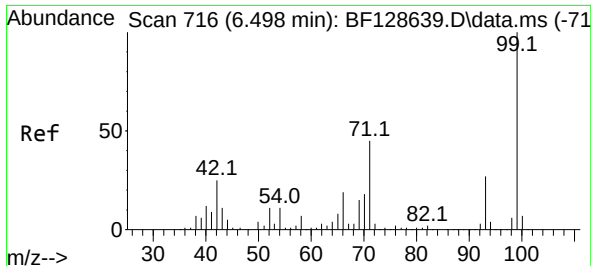
Tgt Ion:152 Resp: 83377
Ion Ratio Lower Upper
152 100
150 153.0 123.7 185.5
115 65.5 49.9 74.9



#5
2-Fluorophenol
Concen: 48.996 ng
RT: 5.357 min Scan# 522
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Tgt Ion:112 Resp: 256470
Ion Ratio Lower Upper
112 100
64 70.9 53.3 79.9
63 39.7 28.0 42.0

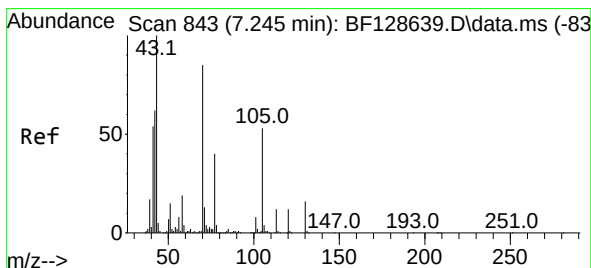
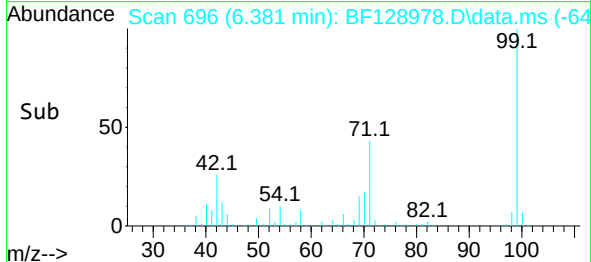
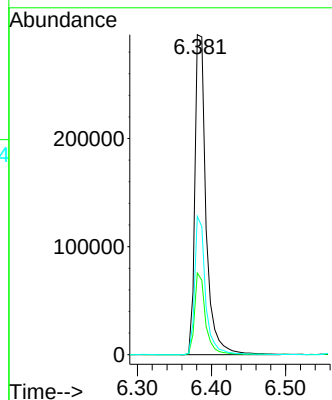
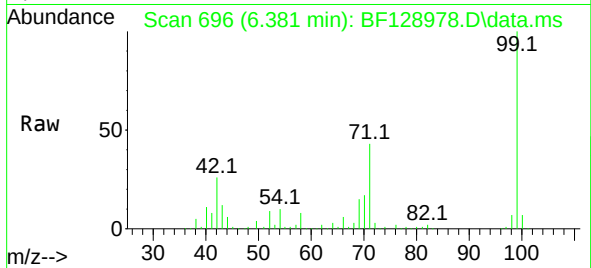




#7
Phenol-d6
Concen: 48.577 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

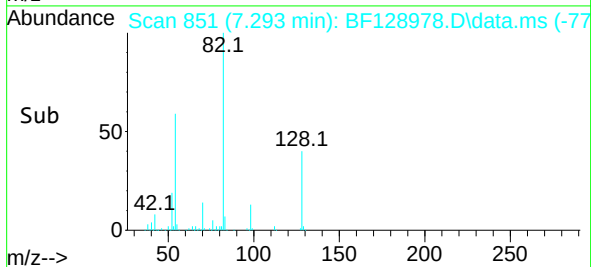
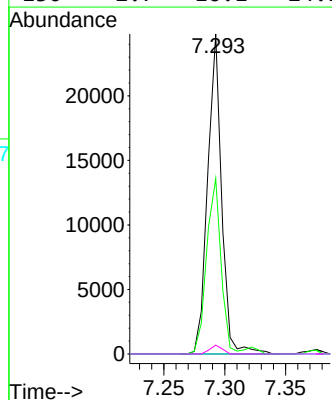
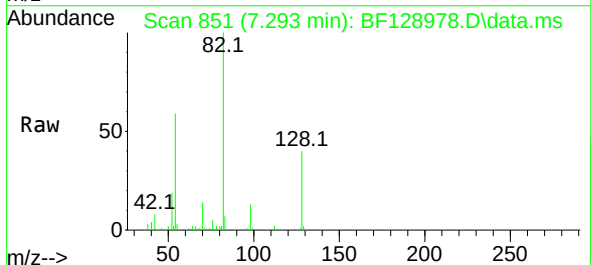
Instrument :
BNA_F
ClientSampleId :
CL-01-062122

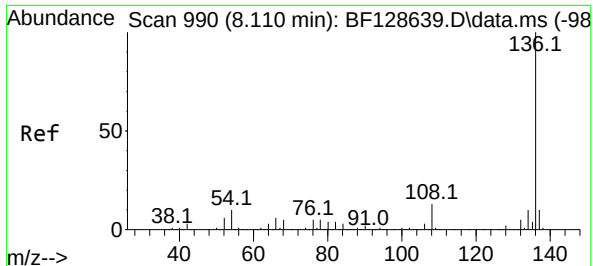
Tgt Ion: 99 Resp: 310391
Ion Ratio Lower Upper
99 100
42 25.6 17.3 25.9
71 43.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 4.967 ng
RT: 7.293 min Scan# 851
Delta R.T. 0.141 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

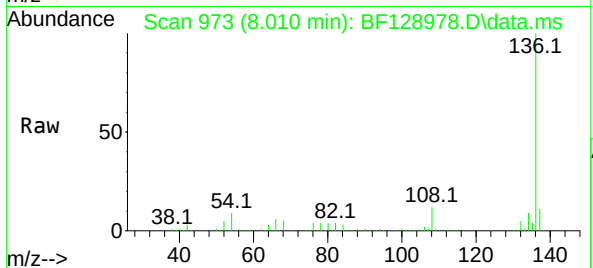
Tgt Ion: 70 Resp: 19732
Ion Ratio Lower Upper
70 100
42 54.8 52.3 78.5
101 0.0 7.5 11.3#
130 2.7 16.1 24.1#



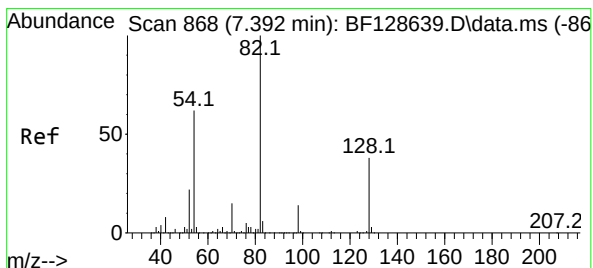
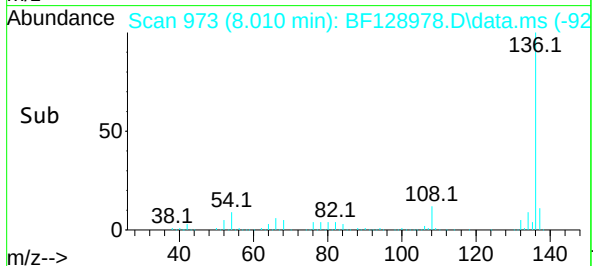
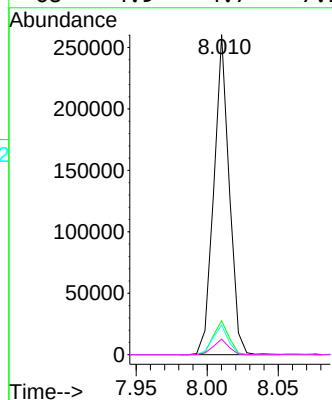


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062122

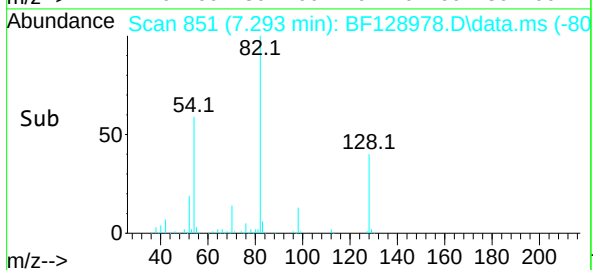
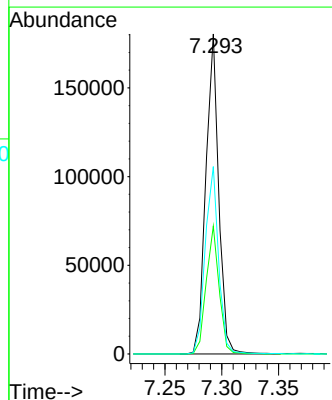
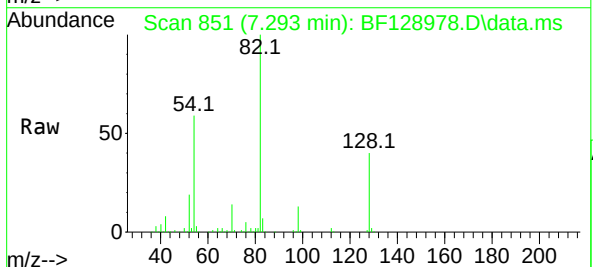


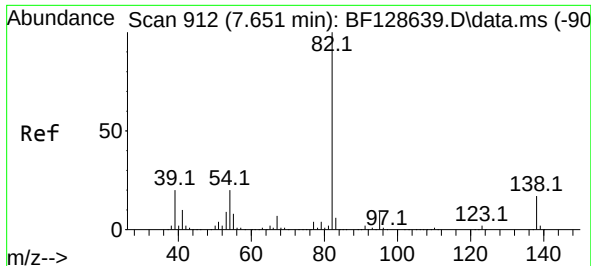
Tgt Ion:	136	Resp:	196812
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.3	7.5	11.3
68	4.9	4.7	7.1



#23
Nitrobenzene-d5
Concen: 33.351 ng
RT: 7.293 min Scan# 851
Delta R.T. -0.012 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Tgt Ion:	82	Resp:	140982
Ion	Ratio	Lower	Upper
82	100		
128	40.0	34.0	51.0
54	58.6	46.9	70.3

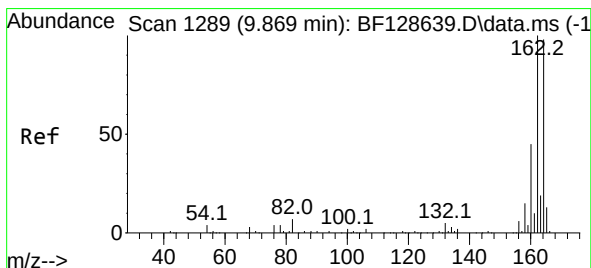
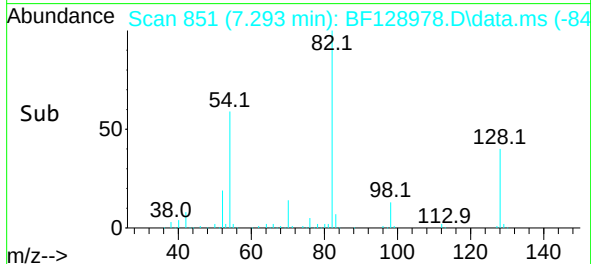
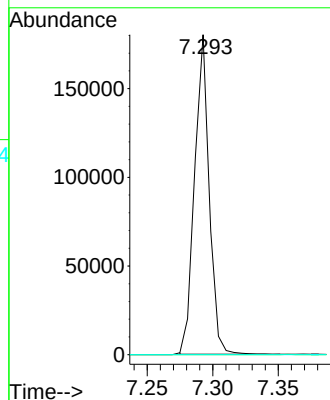
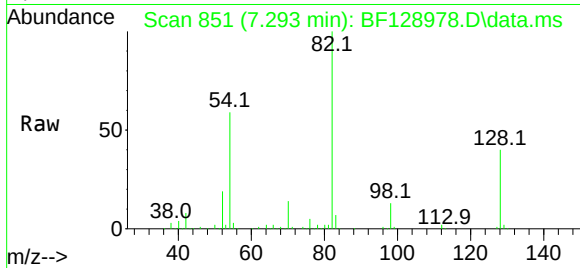




#25
Isophorone
Concen: 21.725 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

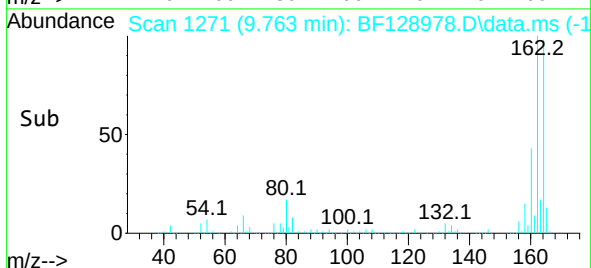
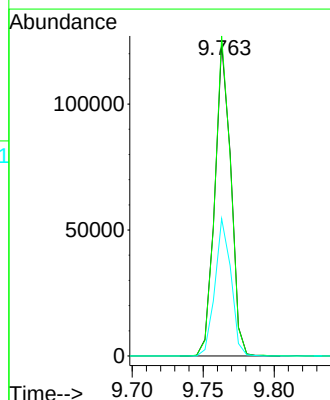
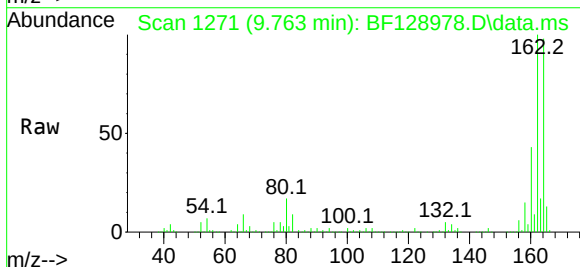
Instrument :
BNA_F
ClientSampleId :
CL-01-062122

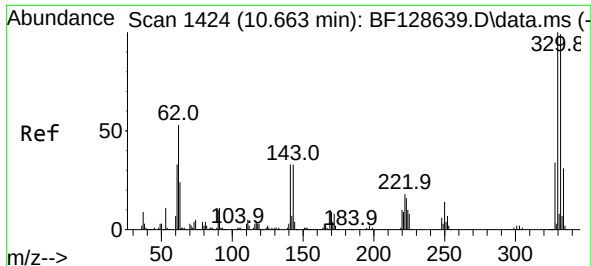
Tgt Ion: 82 Resp: 139481
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Tgt Ion:164 Resp: 97294
Ion Ratio Lower Upper
164 100
162 102.2 79.5 119.3
160 43.8 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 40.705 ng

RT: 10.557 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF128978.D

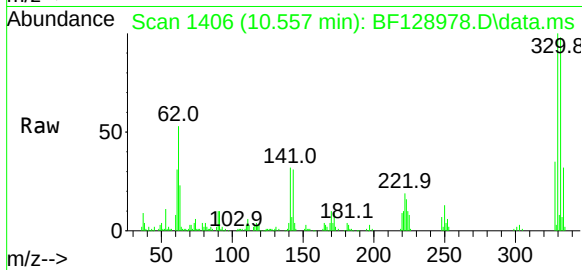
Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122



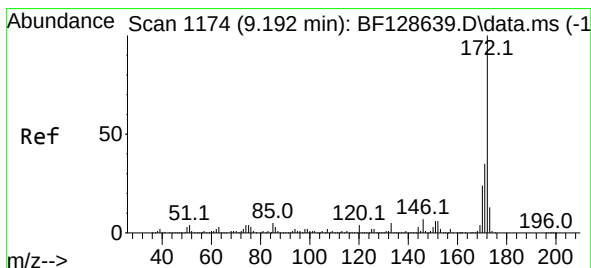
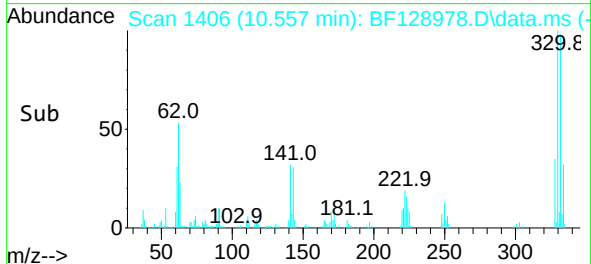
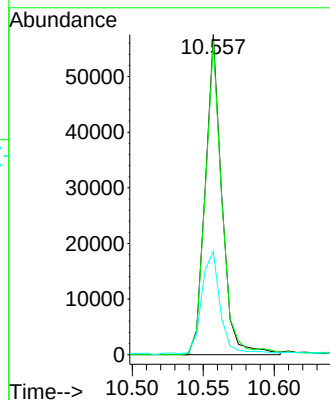
Tgt Ion:330 Resp: 46793

Ion Ratio Lower Upper

330 100

332 99.7 76.8 115.2

141 37.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 36.550 ng

RT: 9.087 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

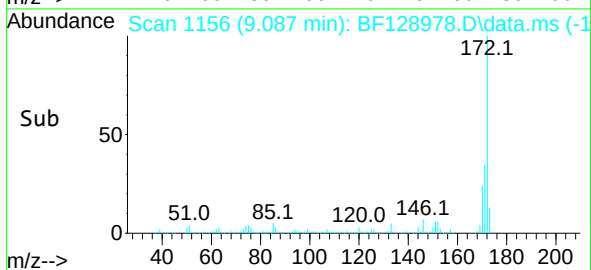
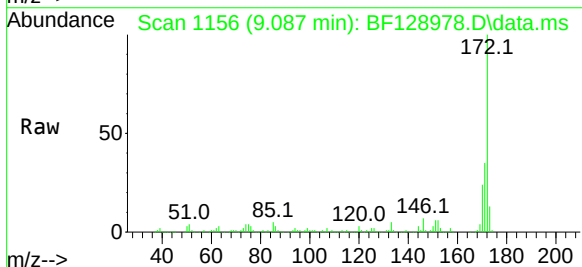
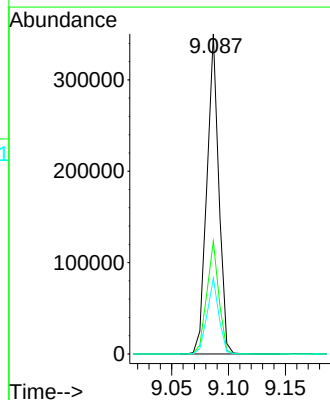
Tgt Ion:172 Resp: 253861

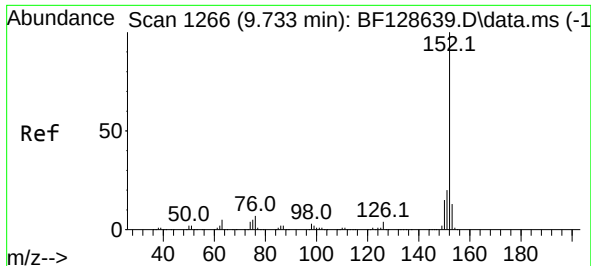
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.7 19.8 29.8

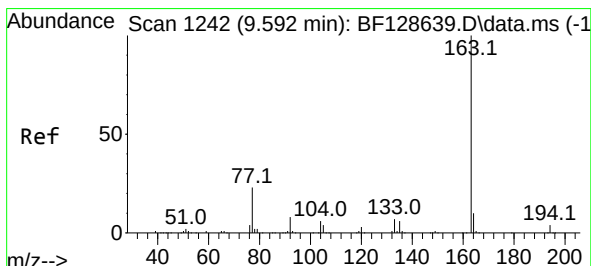
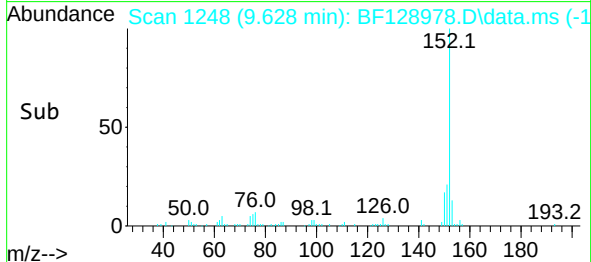
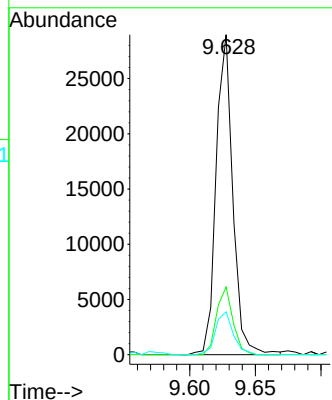
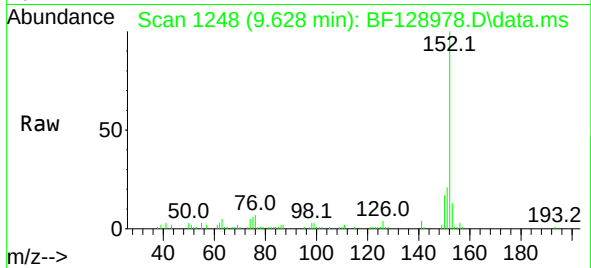




#49
Acenaphthylene
Concen: 3.004 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

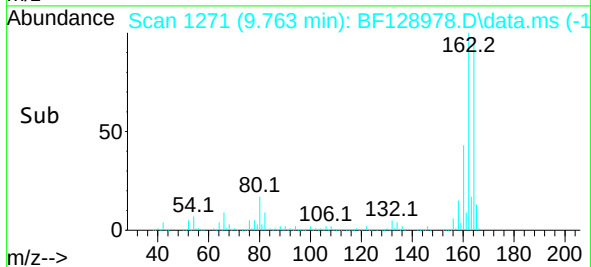
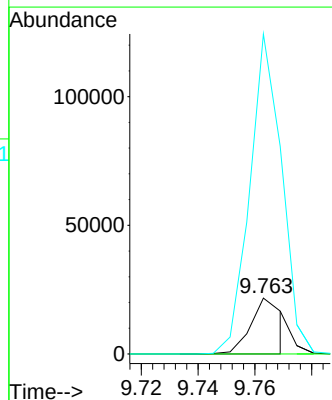
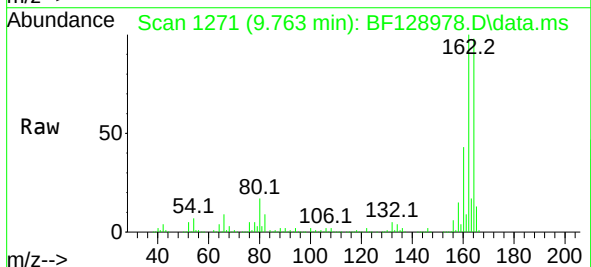
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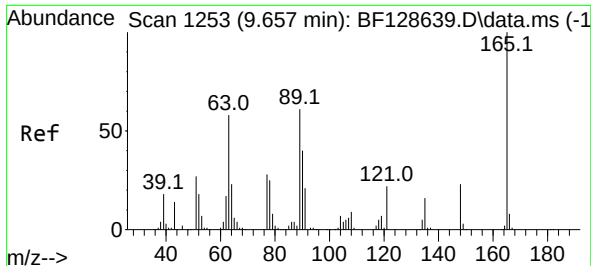
Tgt Ion:152 Resp: 25617
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.4
153 13.4 10.7 16.1



#50
Dimethylphthalate
Concen: 2.503 ng
RT: 9.763 min Scan# 1271
Delta R.T. 0.265 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Tgt Ion:163 Resp: 16671
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 572.3 8.2 12.2#

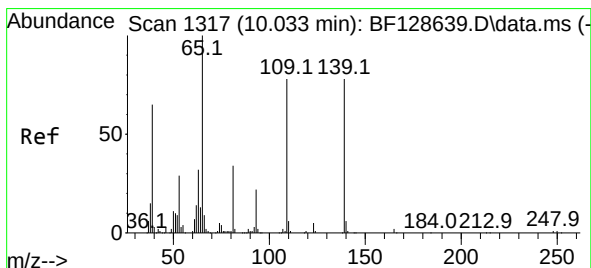
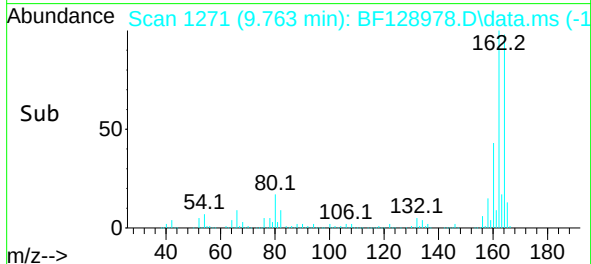
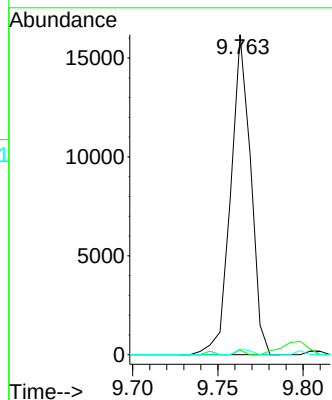
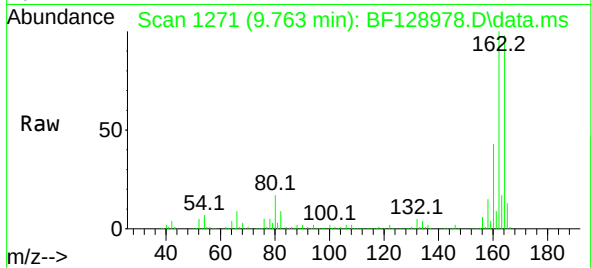




#51
2,6-Dinitrotoluene
Concen: 10.046 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

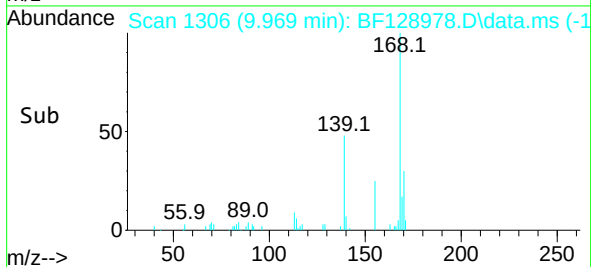
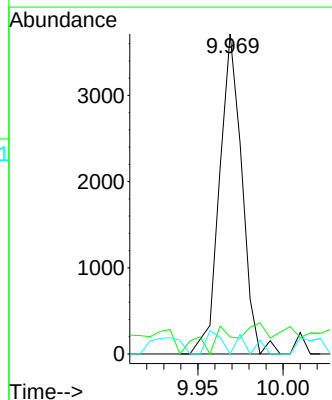
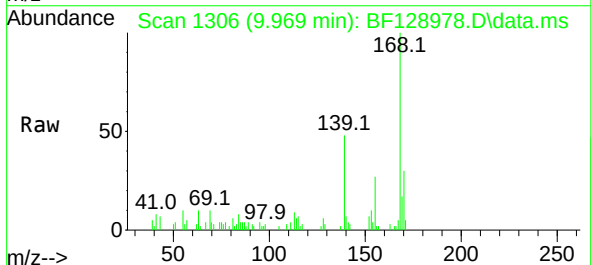
Instrument :
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CL-01-062122

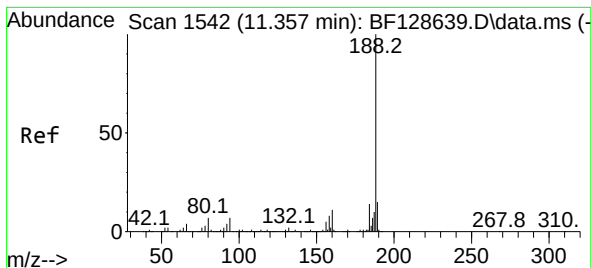
Tgt Ion:165 Resp: 13204
Ion Ratio Lower Upper
165 100
63 1.4 44.9 67.3#
89 1.7 43.6 65.4#



#56
4-Nitrophenol
Concen: 3.278 ng
RT: 9.969 min Scan# 1306
Delta R.T. 0.041 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Tgt Ion:139 Resp: 3390
Ion Ratio Lower Upper
139 100
109 5.3 50.7 90.7#
65 0.0 74.5 114.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

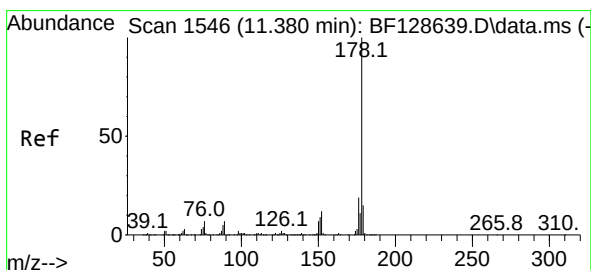
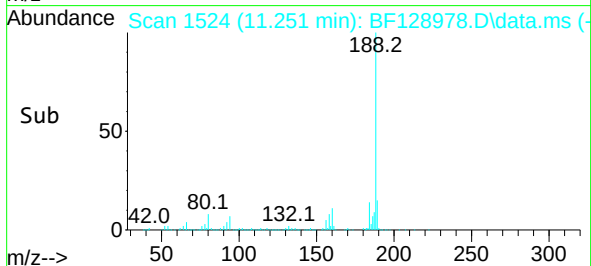
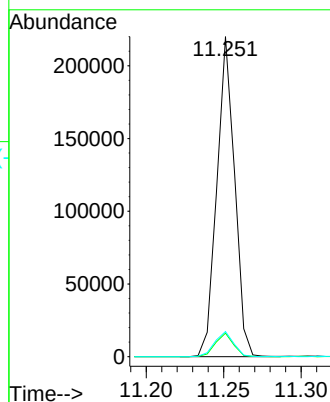
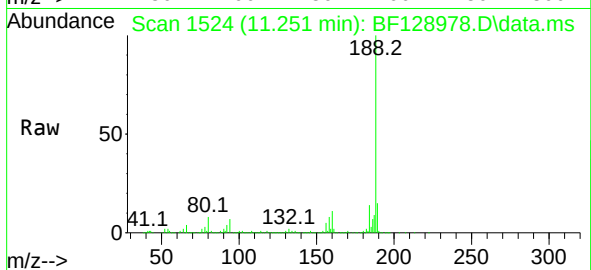
Tgt Ion:188 Resp: 175467

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.6

80 7.9 7.6 11.4



#71

Phenanthrene

Concen: 17.812 ng

RT: 11.275 min Scan# 1528

Delta R.T. -0.006 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

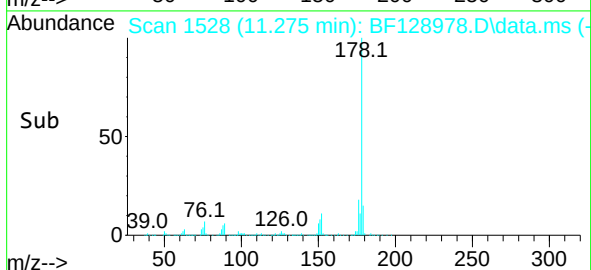
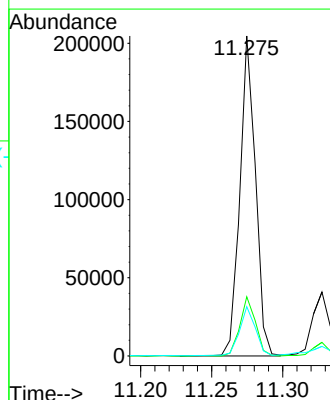
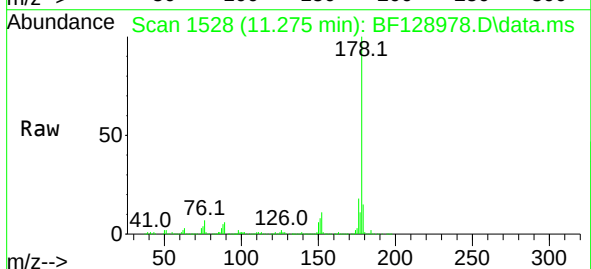
Tgt Ion:178 Resp: 156767

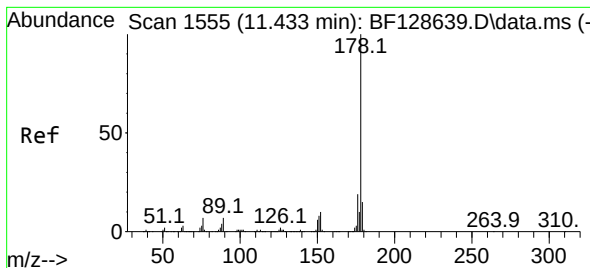
Ion Ratio Lower Upper

178 100

176 18.5 16.0 24.0

179 15.4 12.6 19.0





#72

Anthracene

Concen: 3.776 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

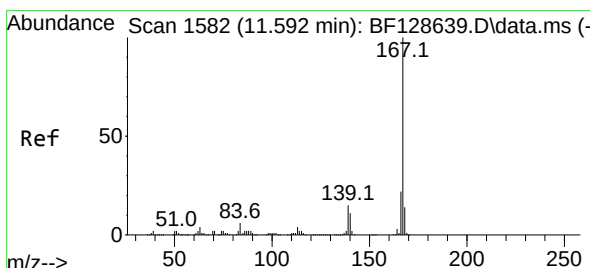
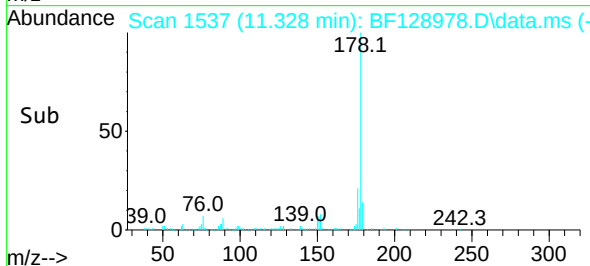
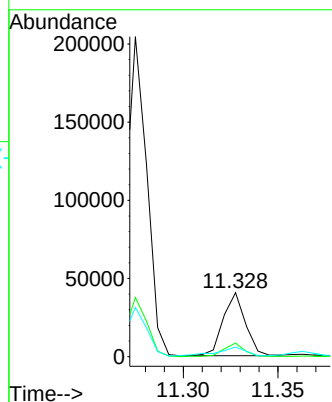
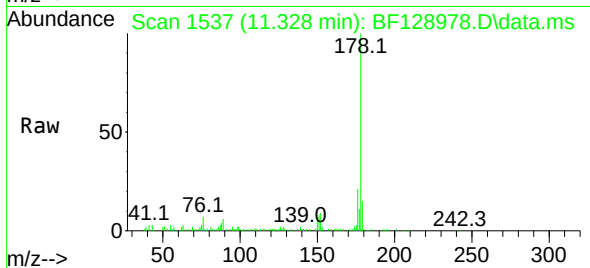
Tgt Ion:178 Resp: 32892

Ion Ratio Lower Upper

178 100

176 21.4 15.4 23.2

179 15.1 12.6 19.0



#73

Carbazole

Concen: 2.488 ng

RT: 11.486 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

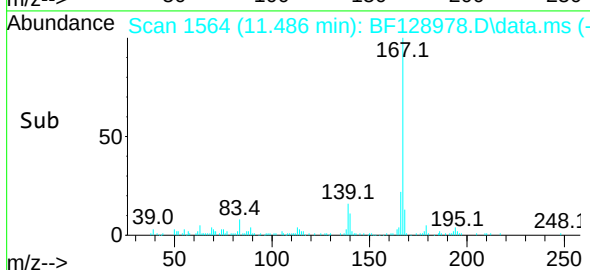
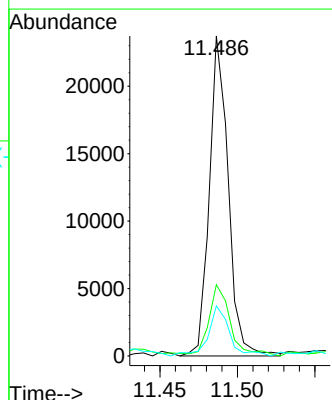
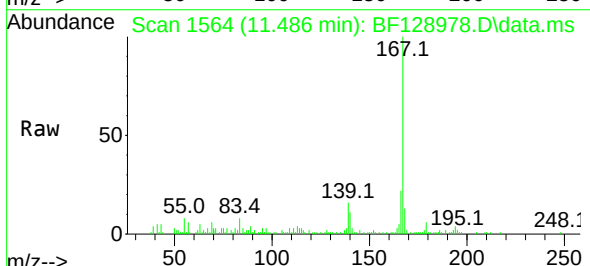
Tgt Ion:167 Resp: 20134

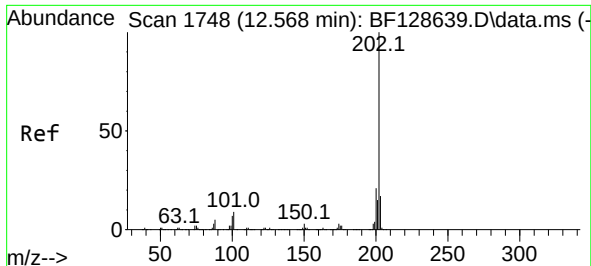
Ion Ratio Lower Upper

167 100

166 22.2 17.7 26.5

139 15.7 11.2 16.8

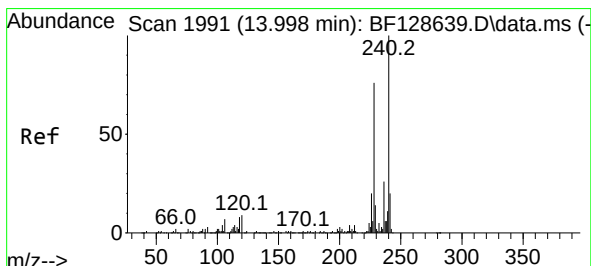
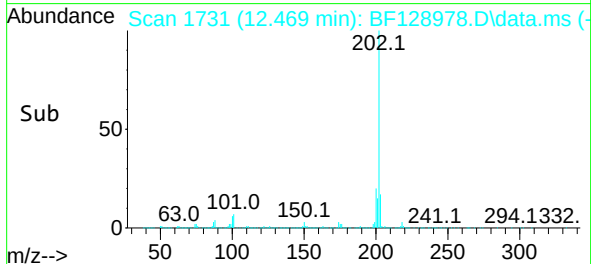
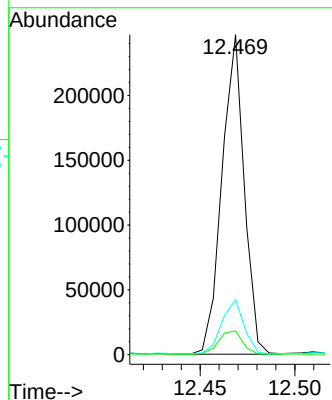
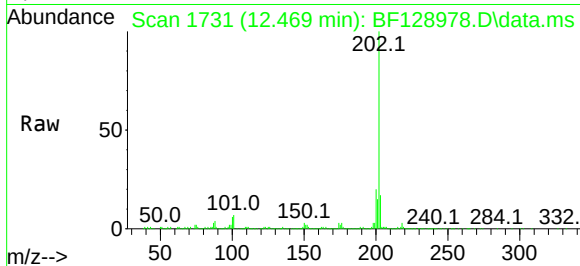




#75
Fluoranthene
Concen: 21.846 ng
RT: 12.469 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

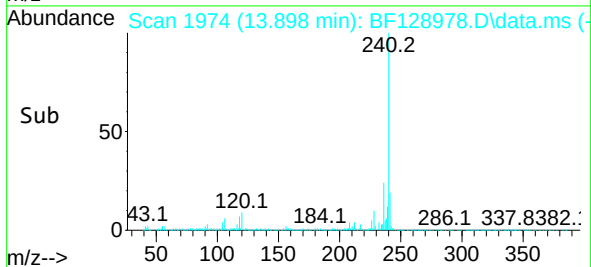
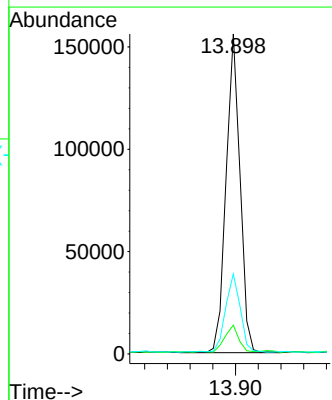
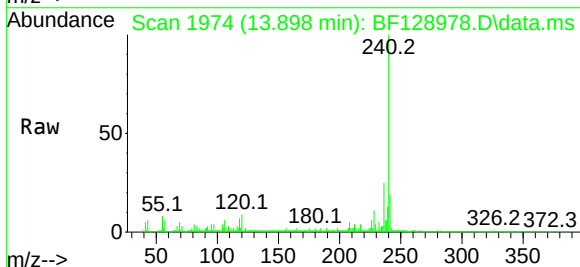
Instrument :
BNA_F
ClientSampleId :
CL-01-062122

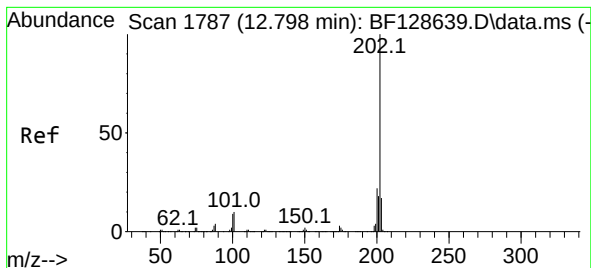
Tgt Ion:202 Resp: 200976
Ion Ratio Lower Upper
202 100
101 7.4 0.0 31.4
203 17.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Tgt Ion:240 Resp: 133090
Ion Ratio Lower Upper
240 100
120 9.0 8.9 13.3
236 25.0 20.8 31.2





#78

Pyrene

Concen: 20.943 ng

RT: 12.698 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

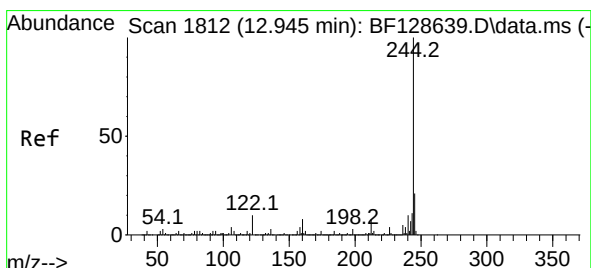
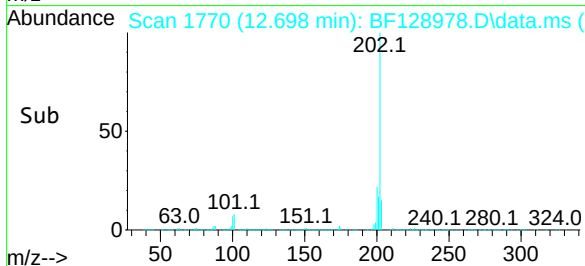
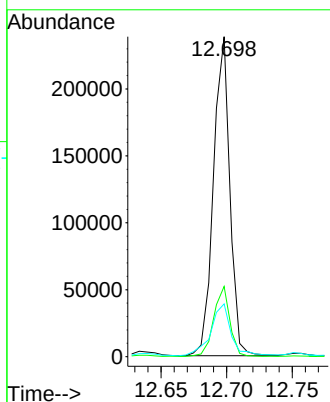
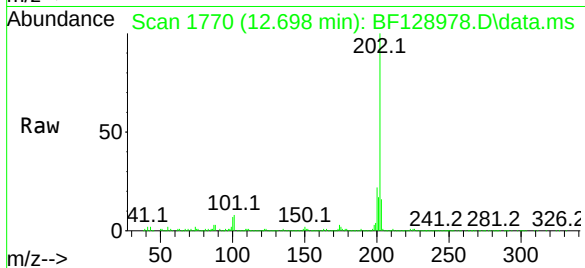
Tgt Ion:202 Resp: 207372

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

203 16.5 14.6 21.8



#79

Terphenyl-d14

Concen: 37.121 ng

RT: 12.839 min Scan# 1794

Delta R.T. 0.000 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

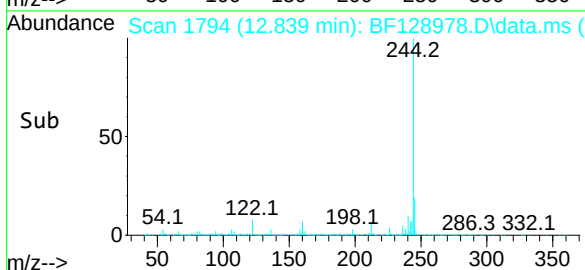
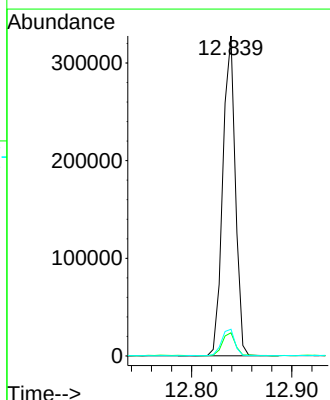
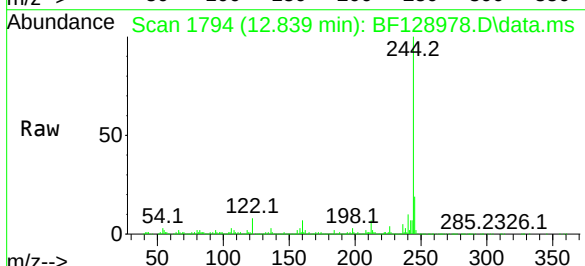
Tgt Ion:244 Resp: 284320

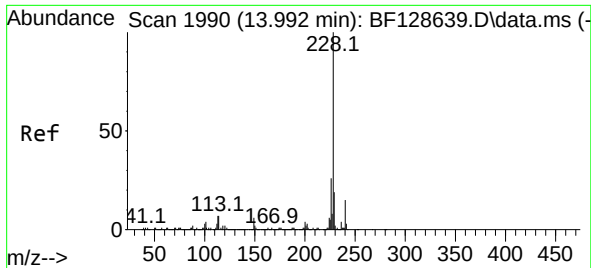
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 8.4 8.8 13.2#

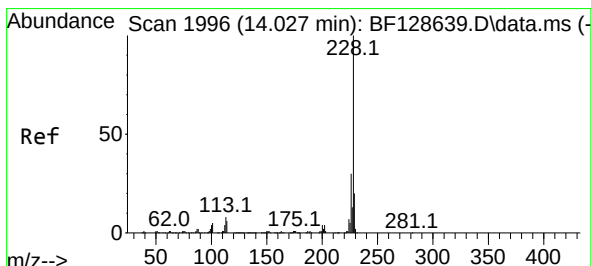
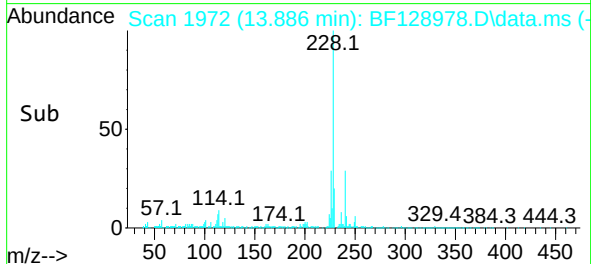
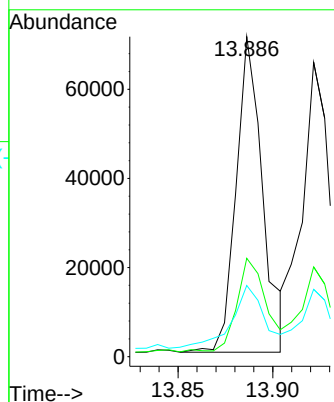
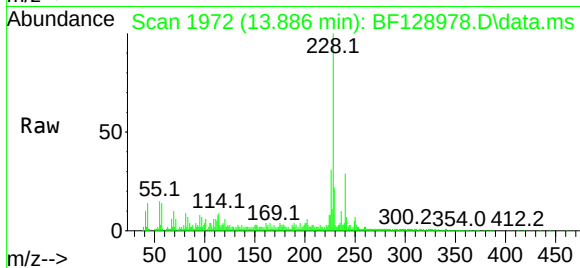




#81
Benzo(a)anthracene
Concen: 8.320 ng
RT: 13.886 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

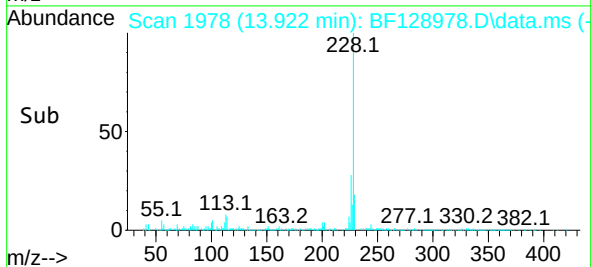
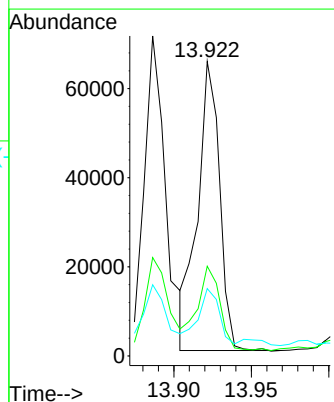
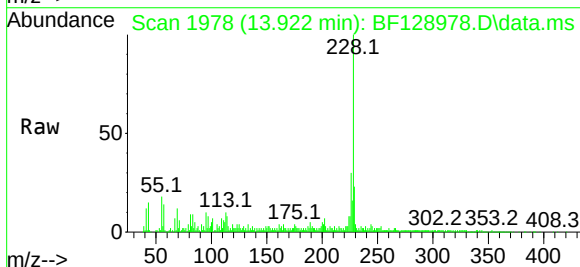
Instrument :
BNA_F
ClientSampleId :
CL-01-062122

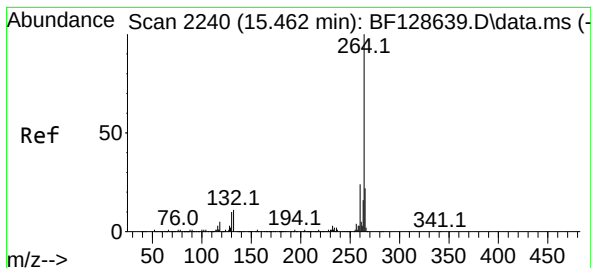
Tgt Ion:228 Resp: 69024
Ion Ratio Lower Upper
228 100
226 30.7 22.1 33.1
229 22.2 15.8 23.8



#83
Chrysene
Concen: 8.065 ng
RT: 13.922 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Tgt Ion:228 Resp: 63789
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.339 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

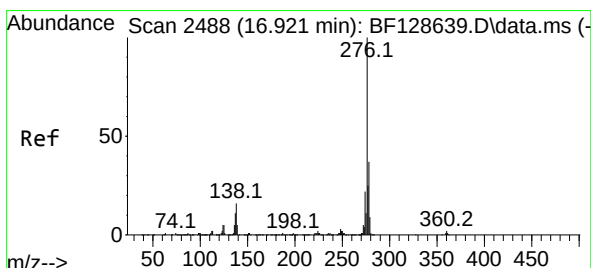
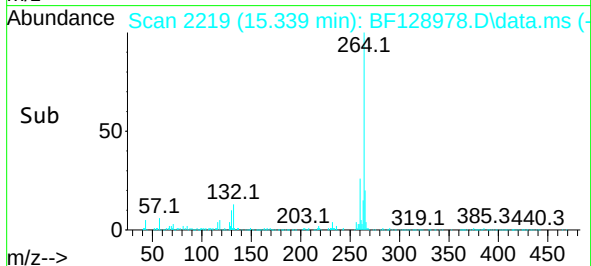
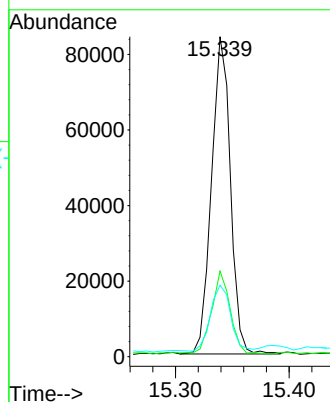
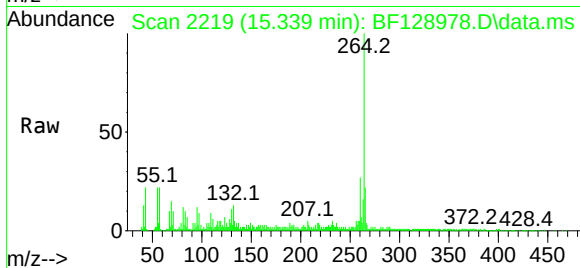
Tgt Ion:264 Resp: 97137

Ion Ratio Lower Upper

264 100

260 26.8 18.4 27.6

265 22.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.063 ng

RT: 16.757 min Scan# 2460

Delta R.T. 0.012 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

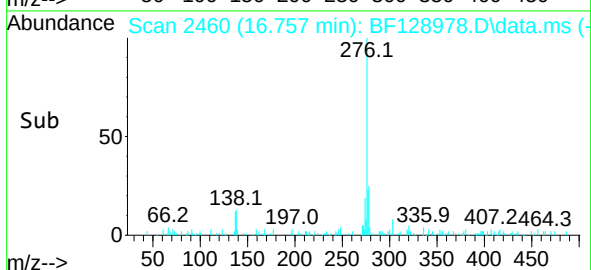
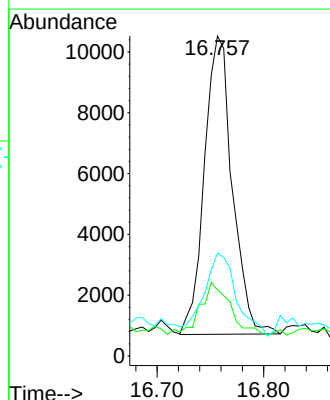
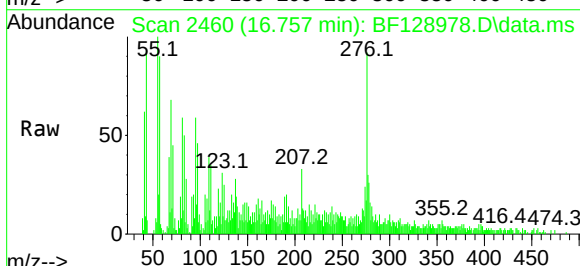
Tgt Ion:276 Resp: 17932

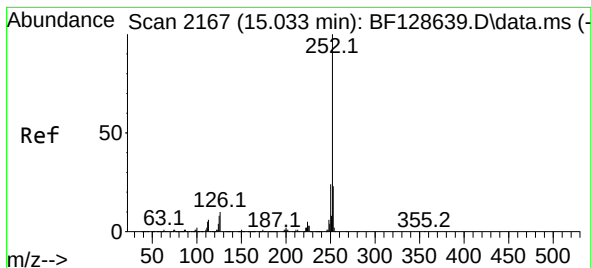
Ion Ratio Lower Upper

276 100

138 19.7 21.1 31.7#

277 32.4 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 9.831 ng

RT: 14.927 min Scan# 2149

Delta R.T. 0.006 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

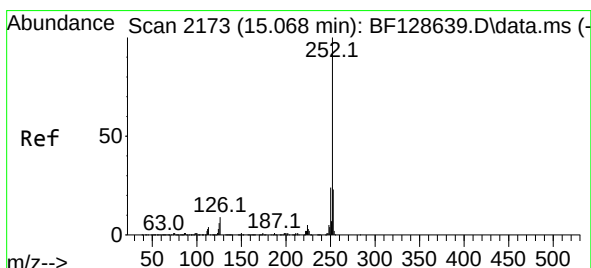
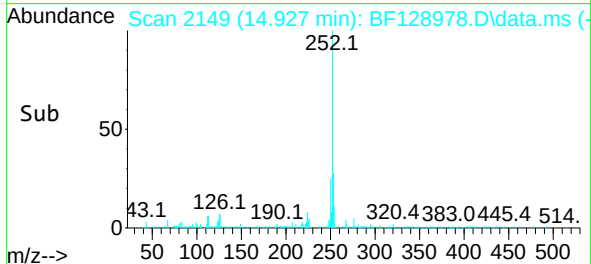
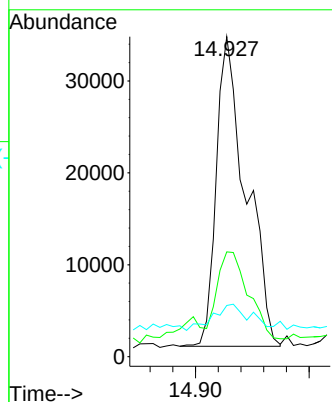
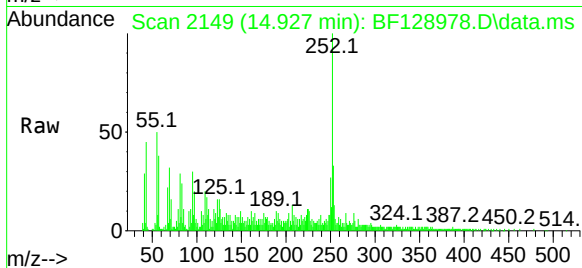
Tgt Ion:252 Resp: 61023

Ion Ratio Lower Upper

252 100

253 32.8 17.7 26.5#

125 16.0 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 10.451 ng

RT: 14.927 min Scan# 2149

Delta R.T. -0.023 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

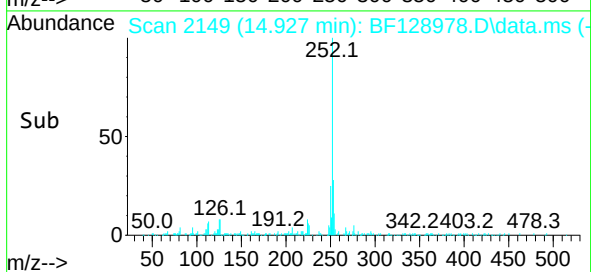
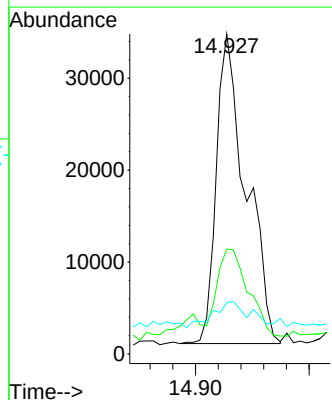
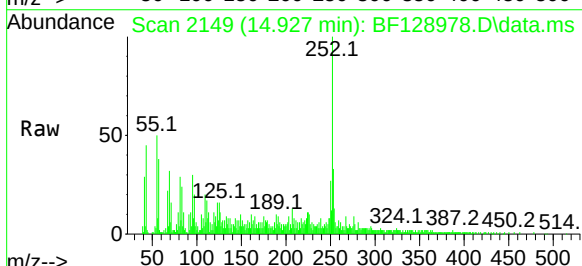
Tgt Ion:252 Resp: 61023

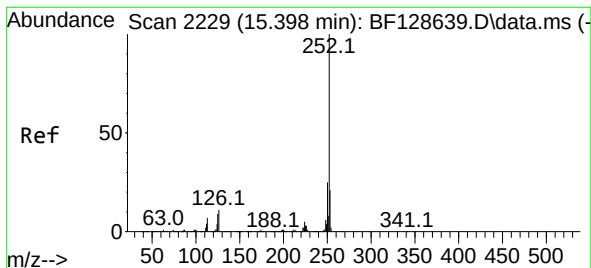
Ion Ratio Lower Upper

252 100

253 32.8 17.8 26.6#

125 16.0 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 7.503 ng

RT: 15.280 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

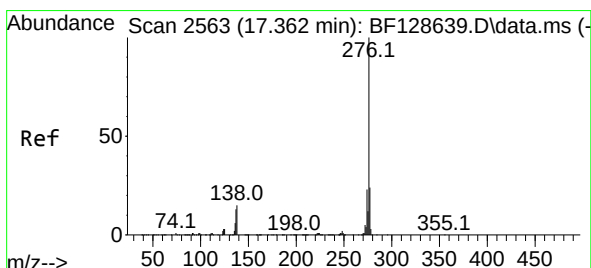
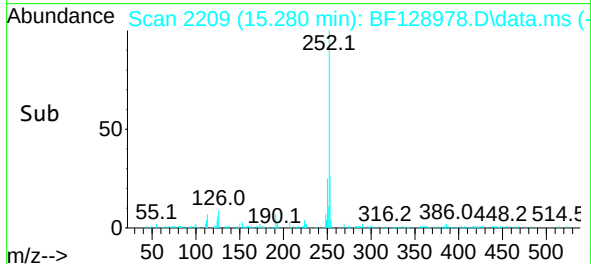
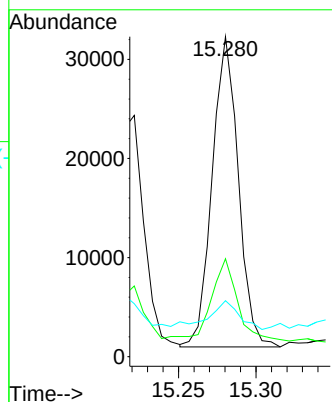
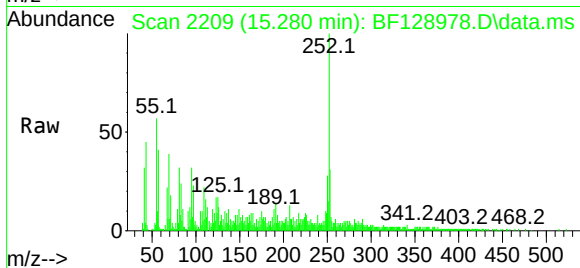
Tgt Ion:252 Resp: 36602

Ion Ratio Lower Upper

252 100

253 30.6 17.0 25.6#

125 17.5 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 4.159 ng

RT: 17.186 min Scan# 2533

Delta R.T. 0.018 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

Tgt Ion:276 Resp: 20019

Ion Ratio Lower Upper

276 100

277 28.7 19.1 28.7

138 20.4 18.0 27.0

