

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071822\
 Data File : BF129278.D
 Acq On : 18 Jul 2022 20:49
 Operator : CG\JU
 Sample : N3746-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-071522

Quant Time: Jul 19 02:10:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 12:55:49 2022
 Response via : Initial Calibration

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

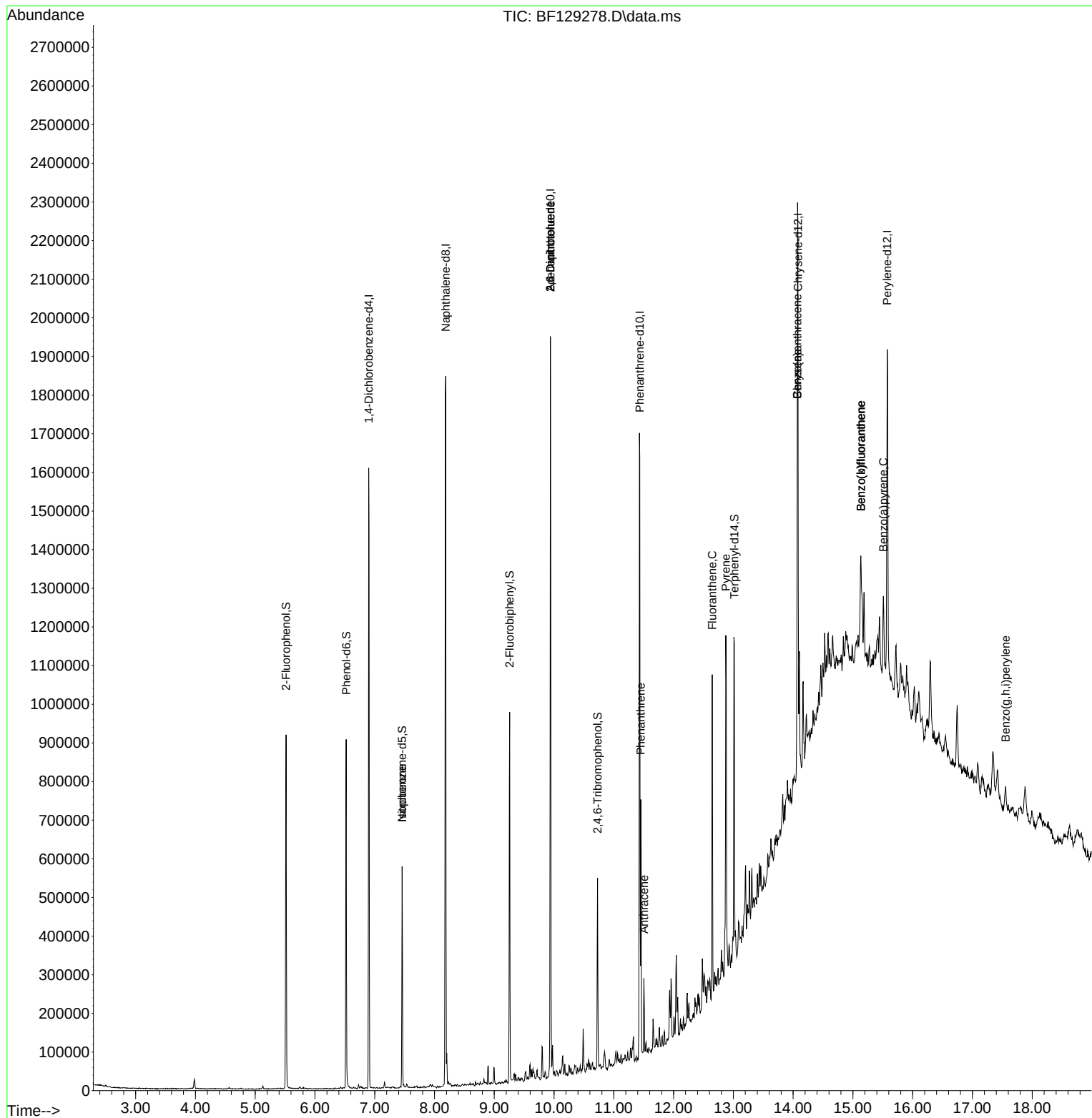
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	229139	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	815318	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	368431	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	604466	20.000	ng	0.00
76) Chrysene-d12	14.080	240	486230	20.000	ng	0.00
86) Perylene-d12	15.574	264	354467	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	233402	16.268	ng	0.00
7) Phenol-d6	6.522	99	271505	14.631	ng	0.00
23) Nitrobenzene-d5	7.457	82	151934	9.961	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	46090	13.478	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	275938	12.689	ng	0.00
79) Terphenyl-d14	13.016	244	285096	10.969	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.457	82	151702	5.918	ng	# 65
51) 2,6-Dinitrotoluene	9.939	165	47955	9.269	ng	# 26
57) 2,4-Dinitrotoluene	9.939	165	47955	7.069	ng	# 22
71) Phenanthrene	11.451	178	227611	7.417	ng	98
72) Anthracene	11.504	178	69297	2.273	ng	97
75) Fluoranthene	12.645	202	295917	9.682	ng	98
78) Pyrene	12.874	202	326489	8.290	ng	98
81) Benzo(a)anthracene	14.069	228	128521	4.190	ng	93
83) Chrysene	14.069	228	128521	4.390	ng	96
88) Benzo(b)fluoranthene	15.133	252	148572	6.823	ng	# 82
89) Benzo(k)fluoranthene	15.133	252	148572	6.983	ng	# 82
90) Benzo(a)pyrene	15.510	252	87935	4.960	ng	# 86
92) Benzo(g,h,i)perylene	17.557	276	44757	2.449	ng	# 87

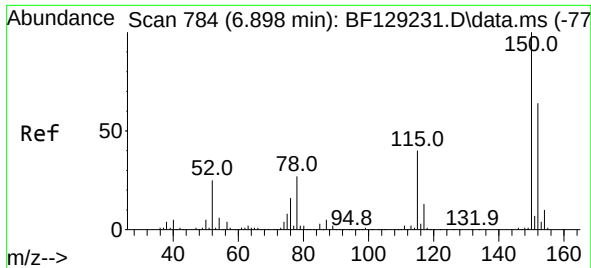
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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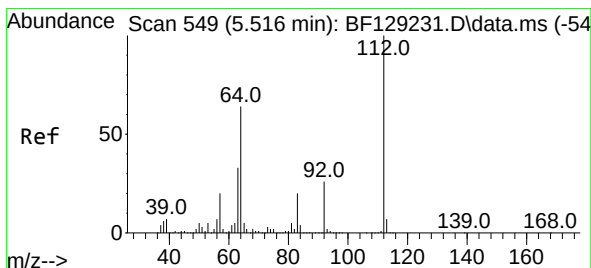
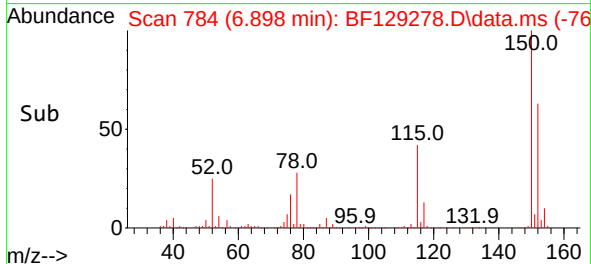
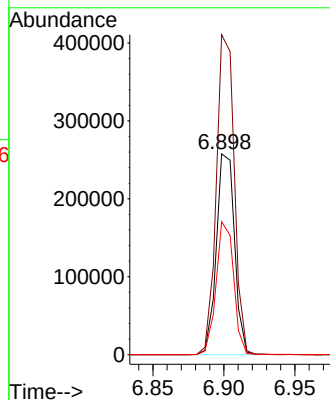
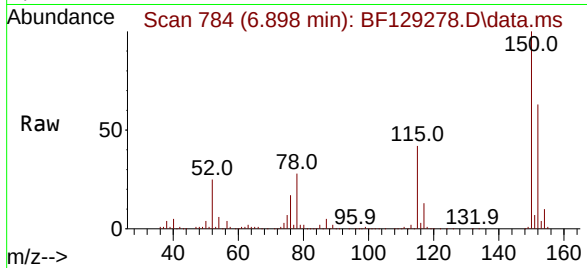




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: BF129278.D
 Acq: 18 Jul 2022 20:49

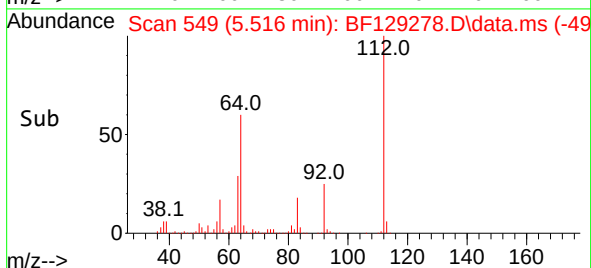
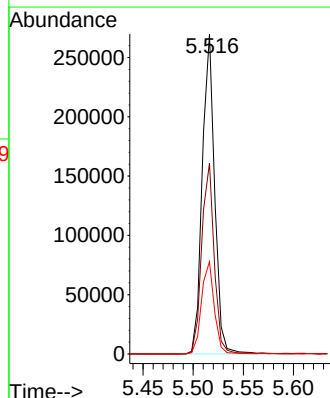
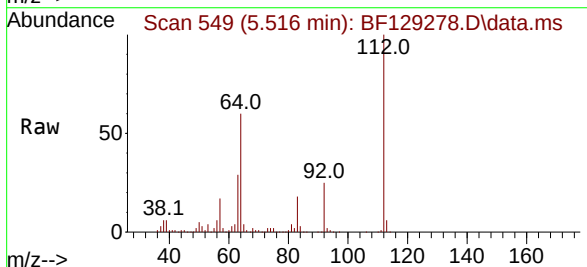
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-071522

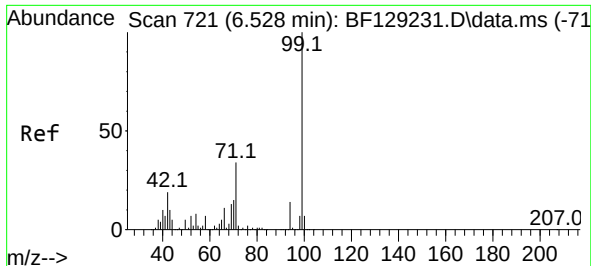
Tgt Ion:152 Resp: 229139
 Ion Ratio Lower Upper
 152 100
 150 159.4 123.7 185.5
 115 66.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 16.268 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: BF129278.D
 Acq: 18 Jul 2022 20:49

Tgt Ion:112 Resp: 233402
 Ion Ratio Lower Upper
 112 100
 64 59.6 53.3 79.9
 63 28.9 28.0 42.0

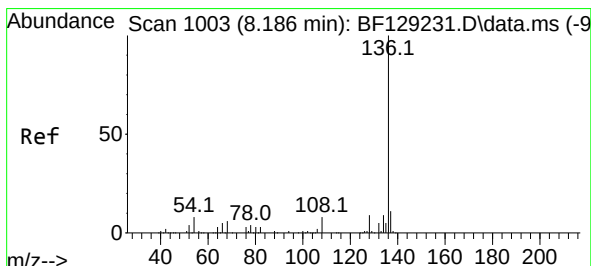
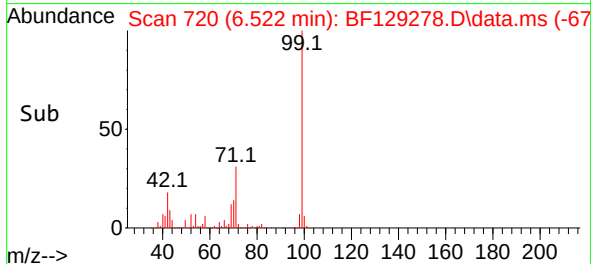
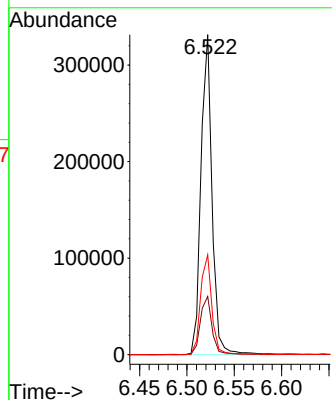
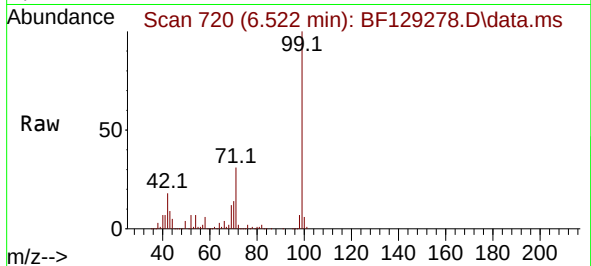




#7
Phenol-d6
Concen: 14.631 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

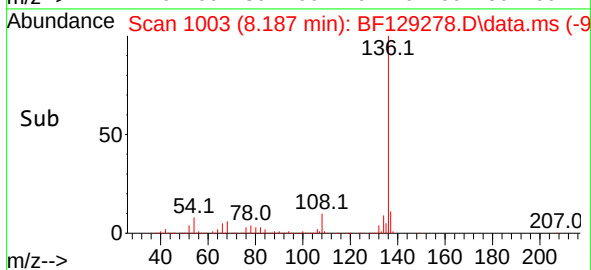
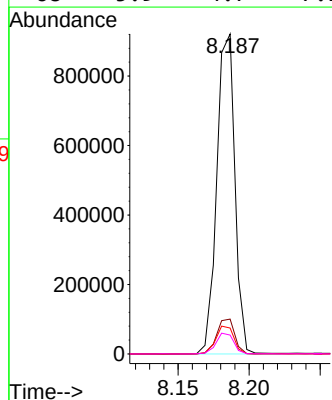
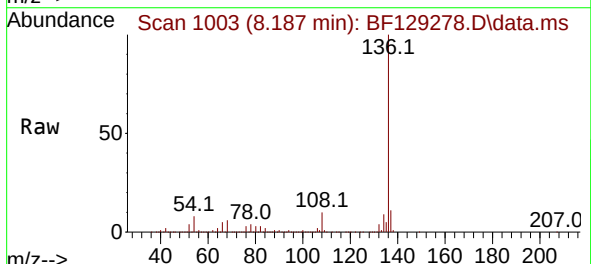
Instrument :
BNA_F
ClientSampleId :
CL-02-071522

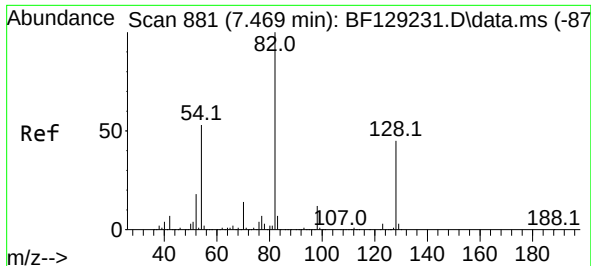
Tgt Ion: 99 Resp: 271505
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 31.2 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Tgt Ion: 136 Resp: 815318
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.1 7.5 11.3
68 5.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 9.961 ng

RT: 7.457 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522

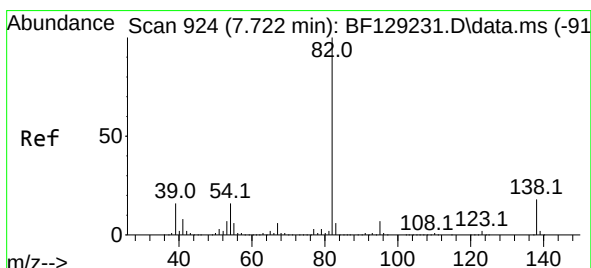
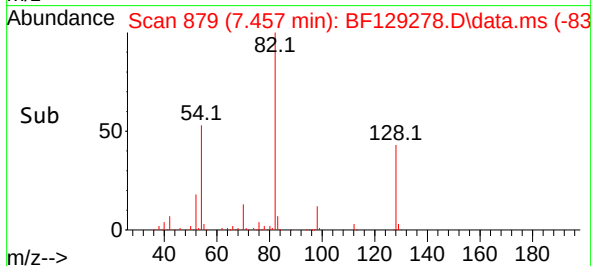
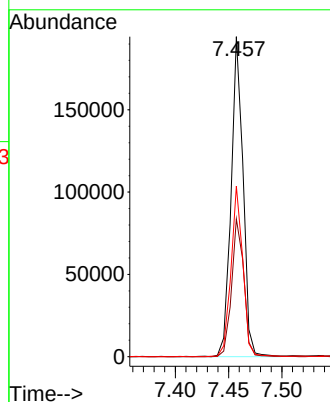
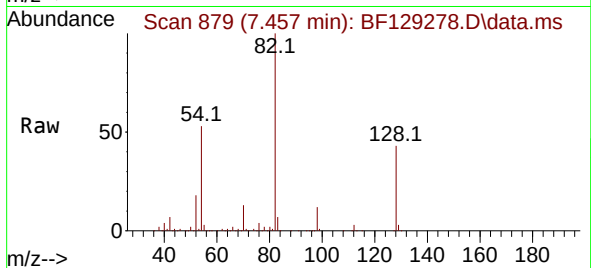
Tgt Ion: 82 Resp: 151934

Ion Ratio Lower Upper

82 100

128 43.1 34.0 51.0

54 53.3 46.9 70.3



#25

Isophorone

Concen: 5.918 ng

RT: 7.457 min Scan# 879

Delta R.T. -0.265 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

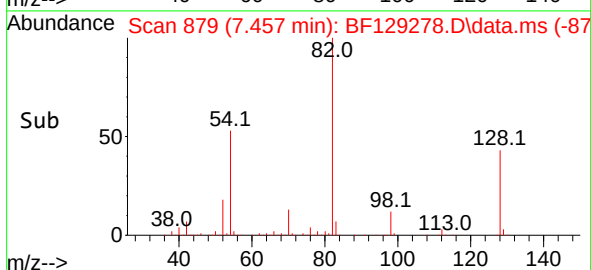
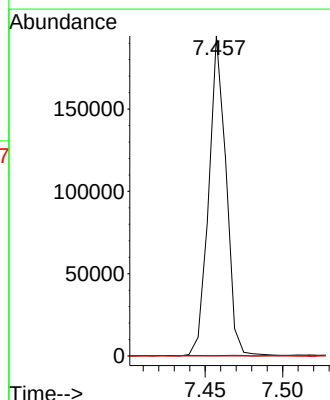
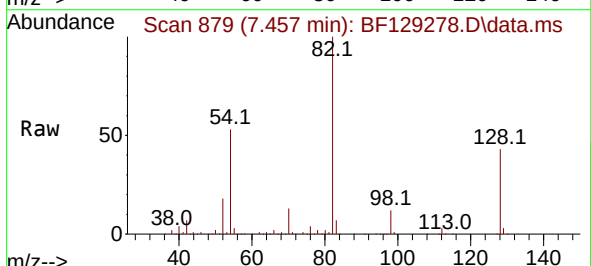
Tgt Ion: 82 Resp: 151702

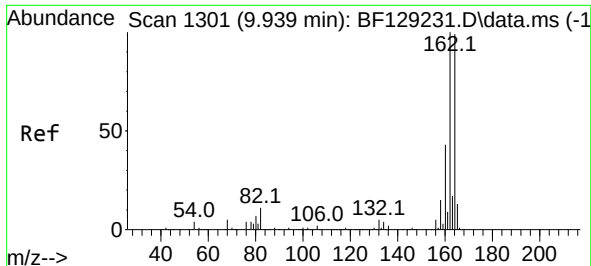
Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 14.2 21.2#

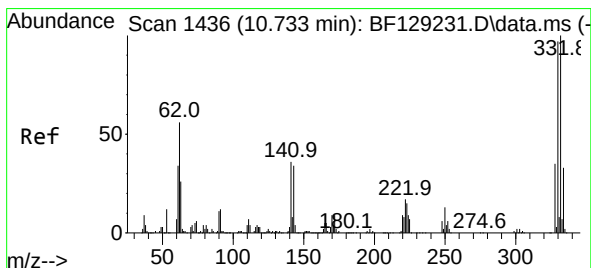
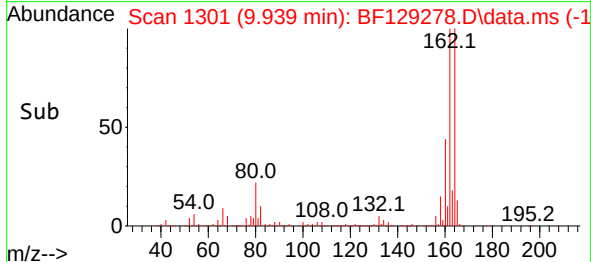
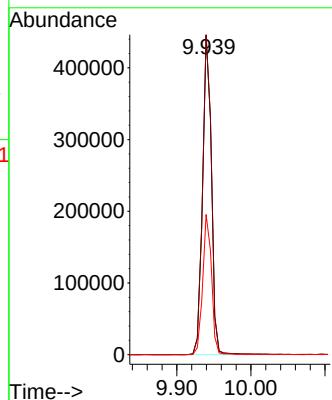
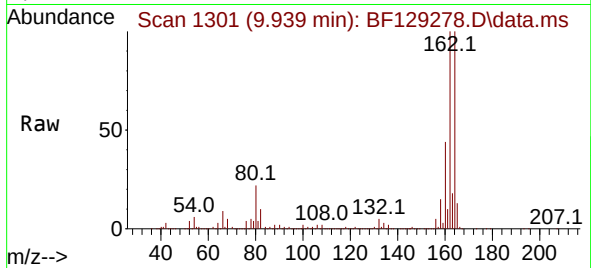




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

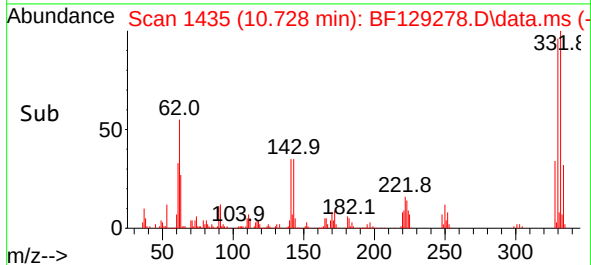
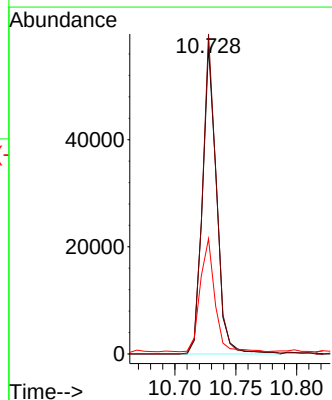
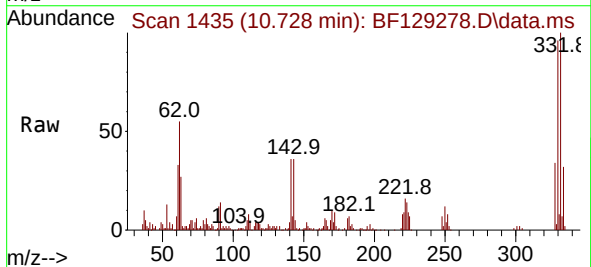
Instrument :
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ClientSampleId :
CL-02-071522

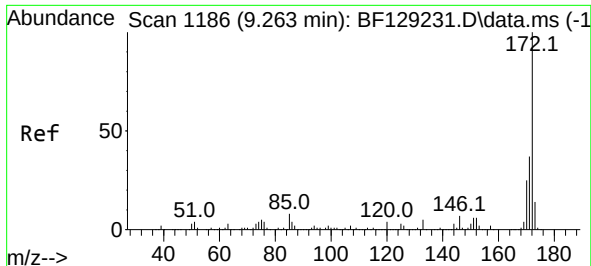
Tgt Ion:164 Resp: 368431
Ion Ratio Lower Upper
164 100
162 100.2 79.5 119.3
160 43.9 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 13.478 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Tgt Ion:330 Resp: 46090
Ion Ratio Lower Upper
330 100
332 102.4 76.8 115.2
141 38.4 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 12.689 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522

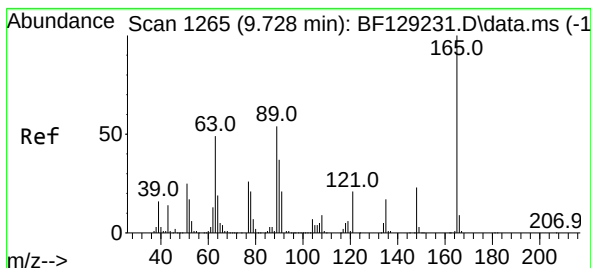
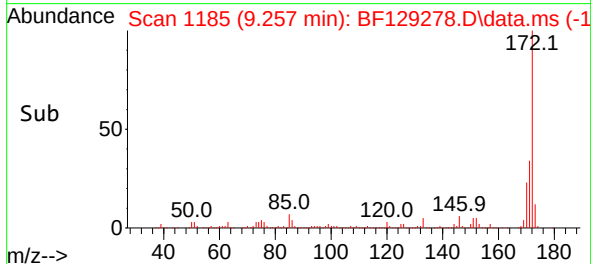
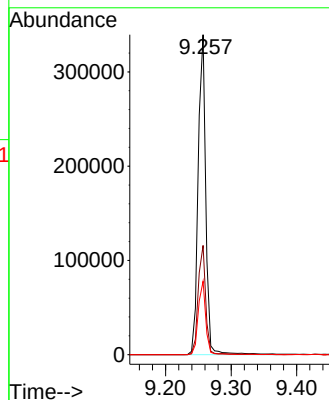
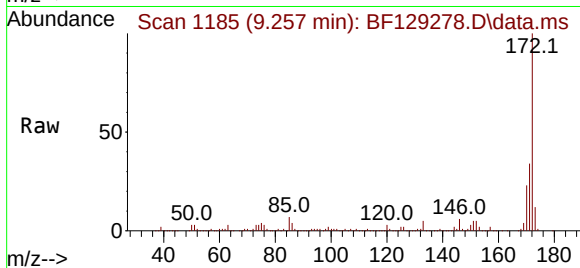
Tgt Ion:172 Resp: 275938

Ion Ratio Lower Upper

172 100

171 34.2 28.8 43.2

170 23.0 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 9.269 ng

RT: 9.939 min Scan# 1301

Delta R.T. 0.212 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

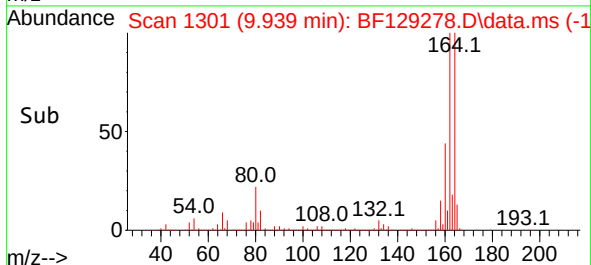
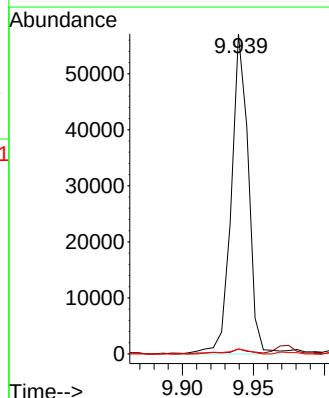
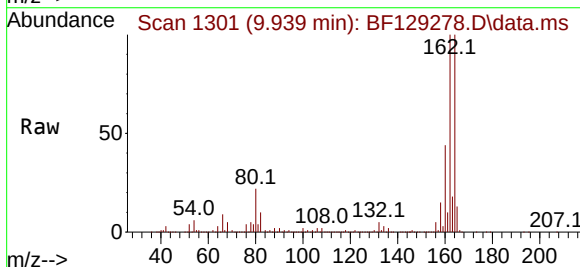
Tgt Ion:165 Resp: 47955

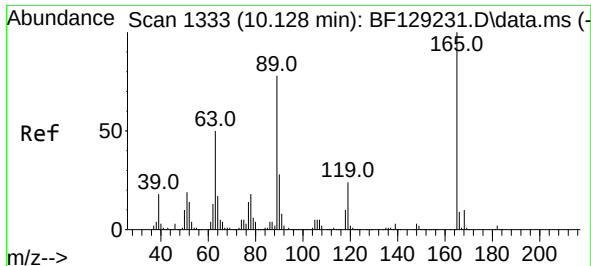
Ion Ratio Lower Upper

165 100

63 1.6 44.9 67.3#

89 1.6 43.6 65.4#

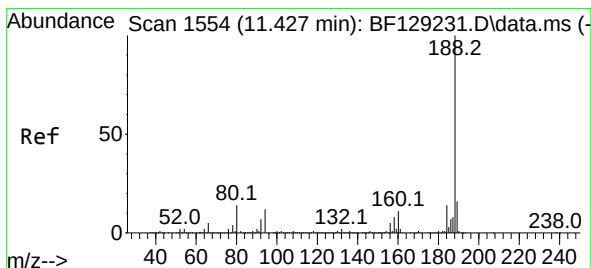
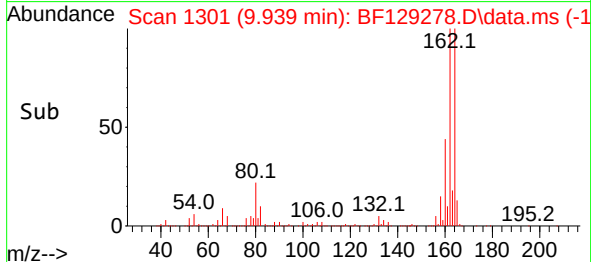
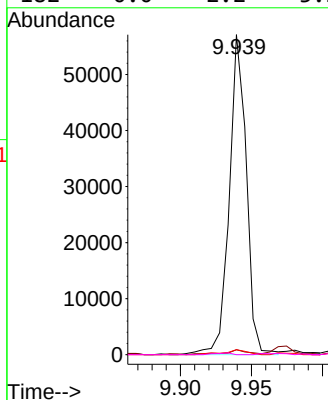
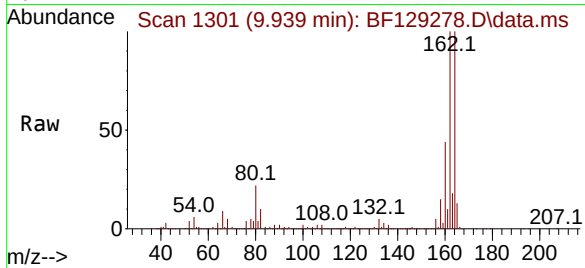




#57
2,4-Dinitrotoluene
Concen: 7.069 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

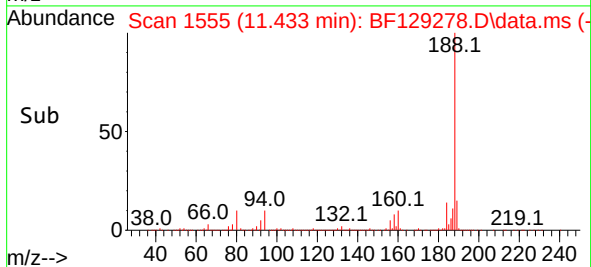
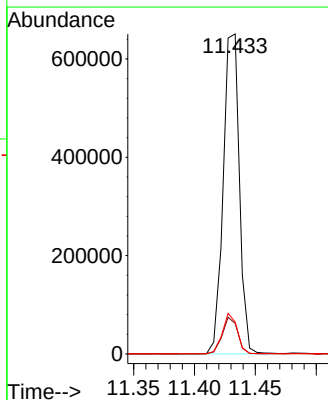
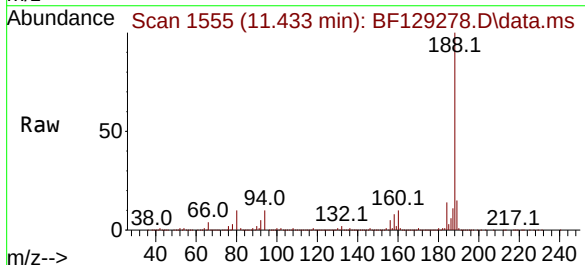
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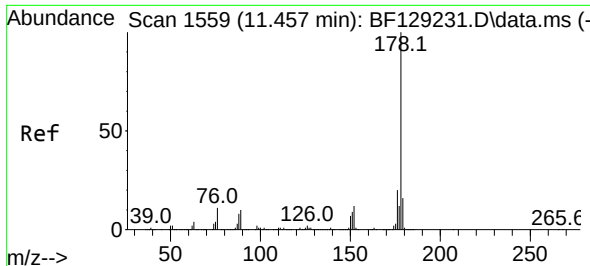
Tgt Ion:165 Resp: 47955
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 1.6 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1555
Delta R.T. 0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Tgt Ion:188 Resp: 604466
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.0 7.6 11.4

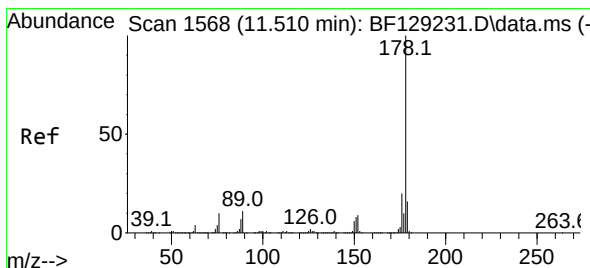
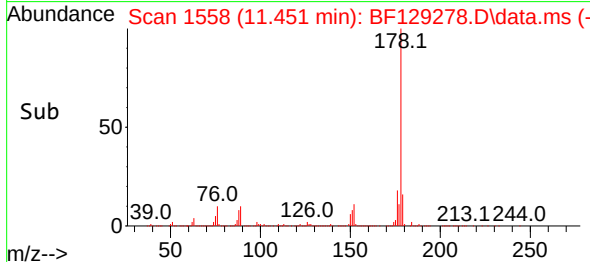
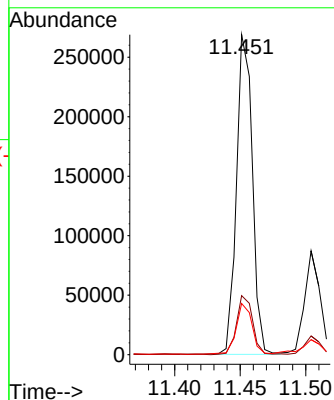
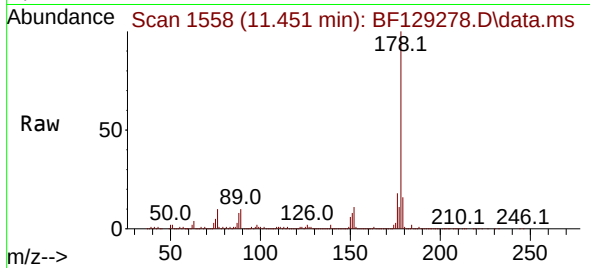




#71
Phenanthrene
Concen: 7.417 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

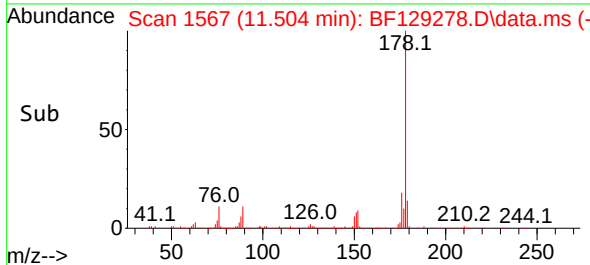
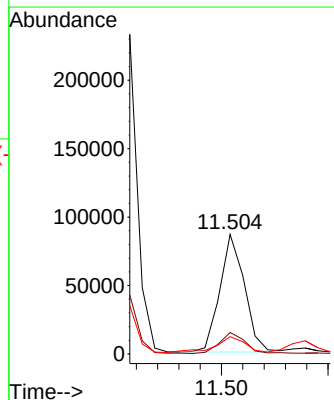
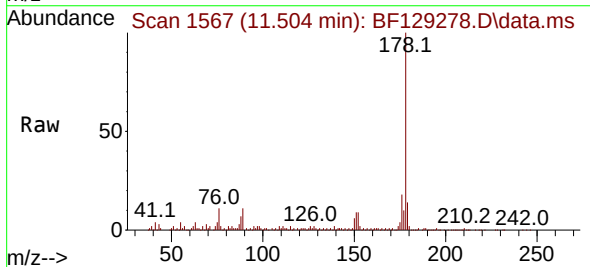
Instrument :
BNA_F
ClientSampleId :
CL-02-071522

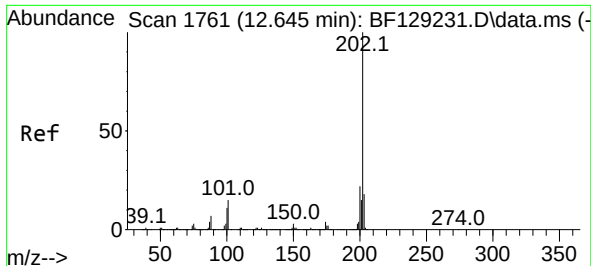
Tgt Ion:178 Resp: 227611
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 16.0 12.6 19.0



#72
Anthracene
Concen: 2.273 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Tgt Ion:178 Resp: 69297
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.2
179 14.4 12.6 19.0

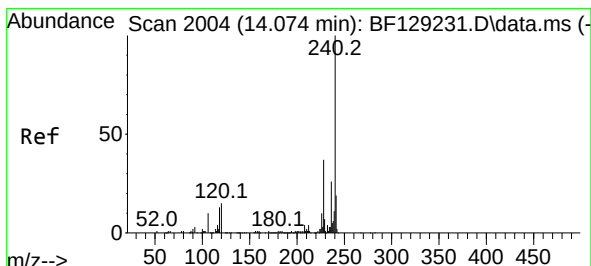
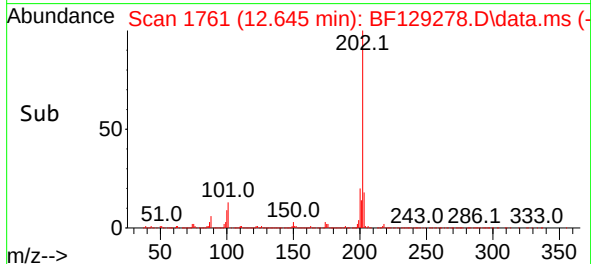
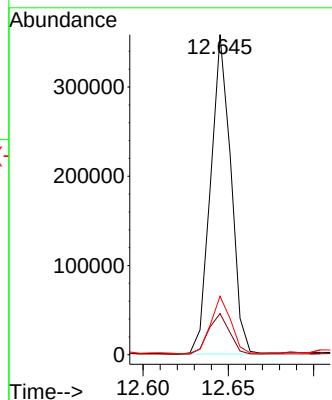
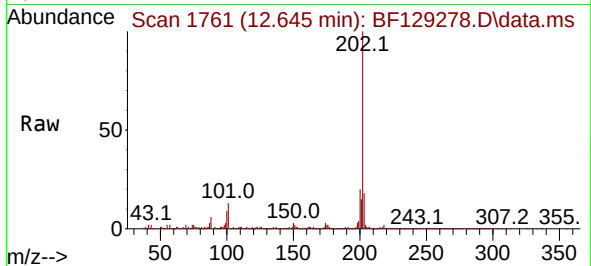




#75
Fluoranthene
Concen: 9.682 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

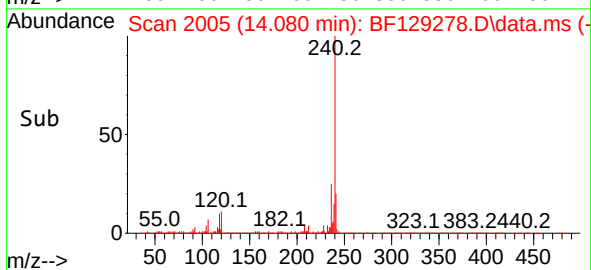
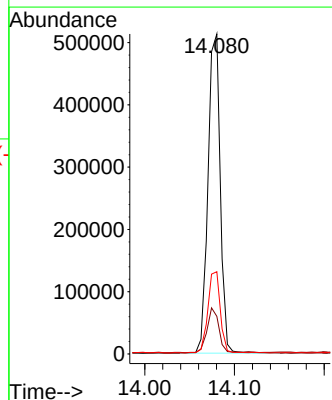
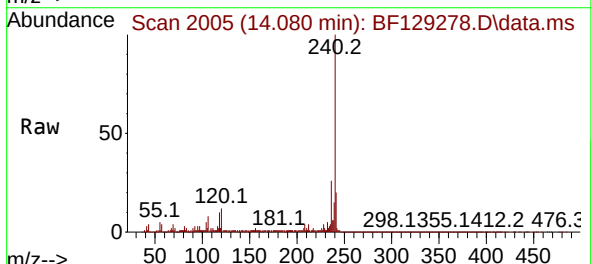
Instrument :
BNA_F
ClientSampleId :
CL-02-071522

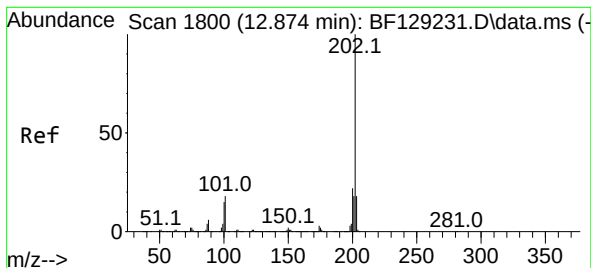
Tgt Ion:202 Resp: 295917
Ion Ratio Lower Upper
202 100
101 12.9 0.0 31.4
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Tgt Ion:240 Resp: 486230
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 25.7 20.8 31.2





#78

Pyrene

Concen: 8.290 ng

RT: 12.874 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522

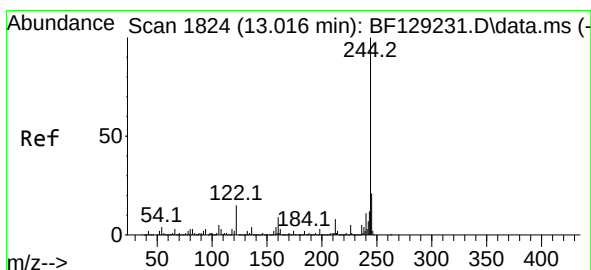
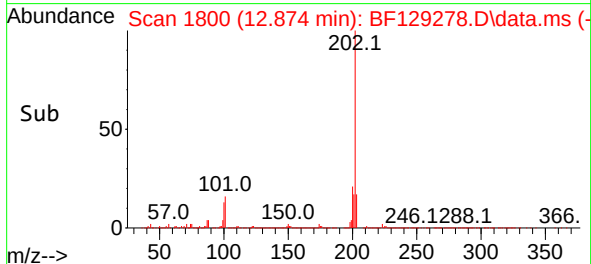
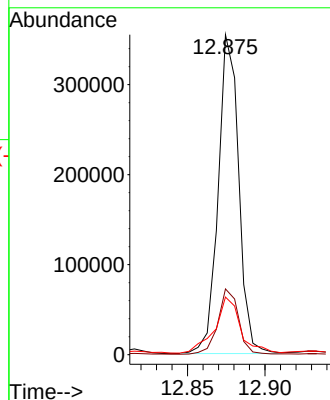
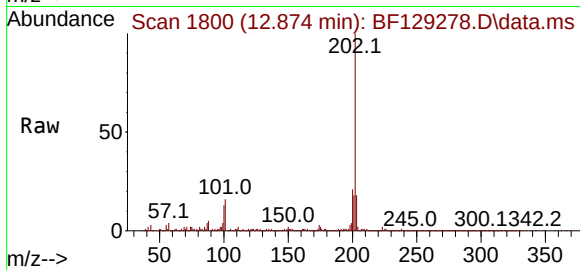
Tgt Ion:202 Resp: 326489

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

203 18.0 14.6 21.8



#79

Terphenyl-d14

Concen: 10.969 ng

RT: 13.016 min Scan# 1824

Delta R.T. 0.000 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

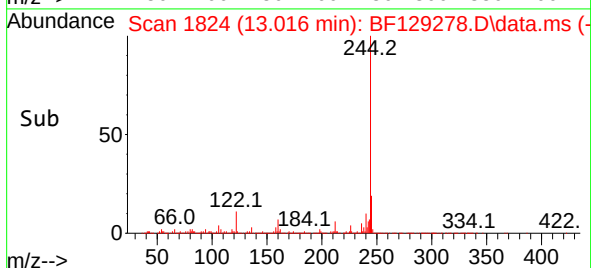
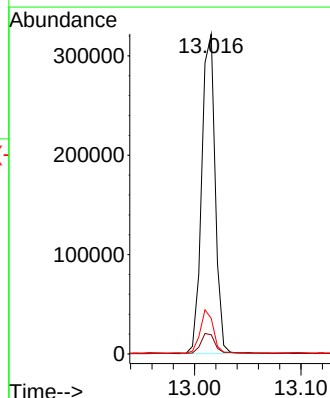
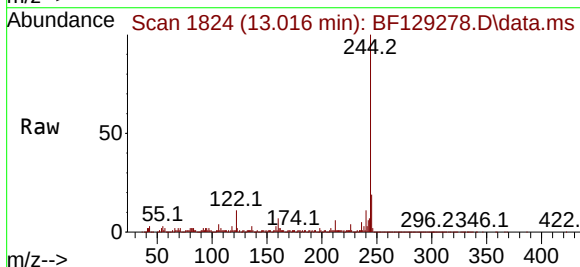
Tgt Ion:244 Resp: 285096

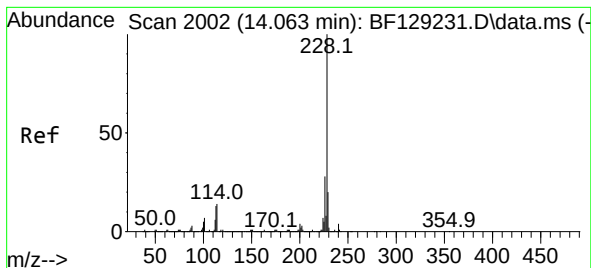
Ion Ratio Lower Upper

244 100

212 6.0 6.1 9.1#

122 11.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 4.190 ng

RT: 14.069 min Scan# 2003

Delta R.T. 0.006 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522

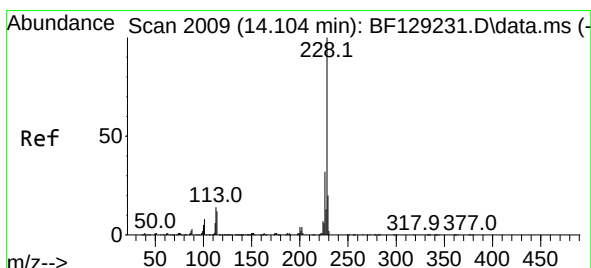
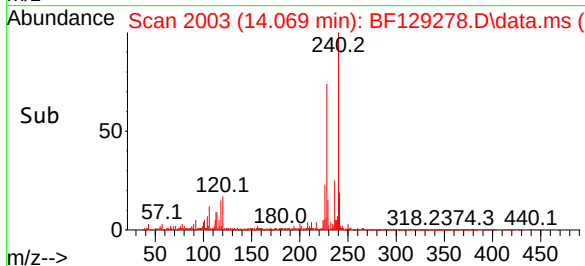
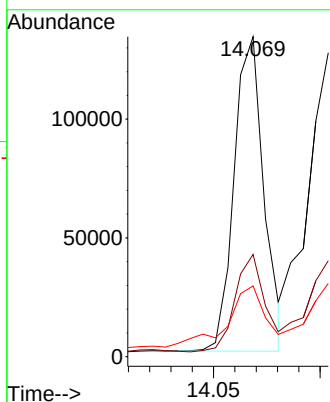
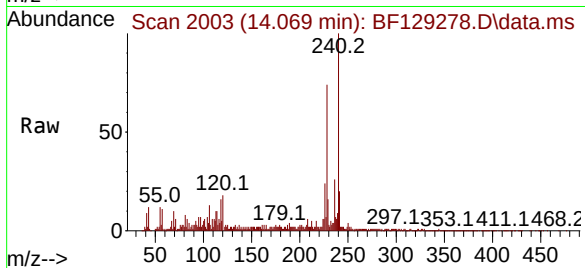
Tgt Ion:228 Resp: 128521

Ion Ratio Lower Upper

228 100

226 31.9 22.1 33.1

229 22.1 15.8 23.8



#83

Chrysene

Concen: 4.390 ng

RT: 14.069 min Scan# 2003

Delta R.T. -0.035 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

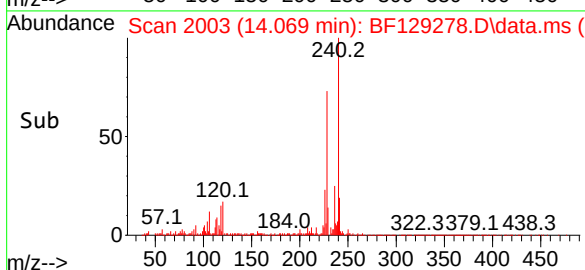
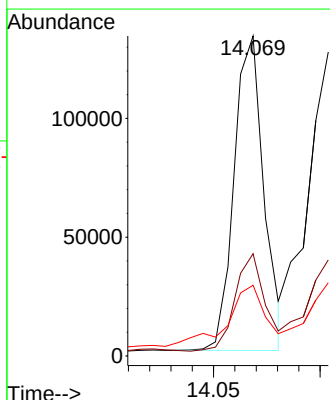
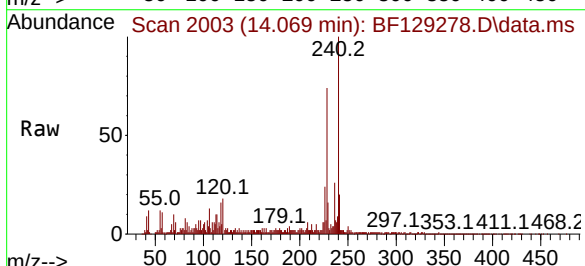
Tgt Ion:228 Resp: 128521

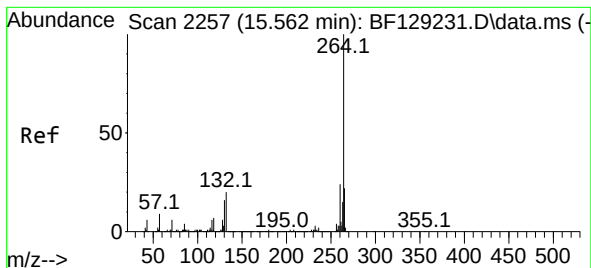
Ion Ratio Lower Upper

228 100

226 31.9 24.3 36.5

229 22.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522

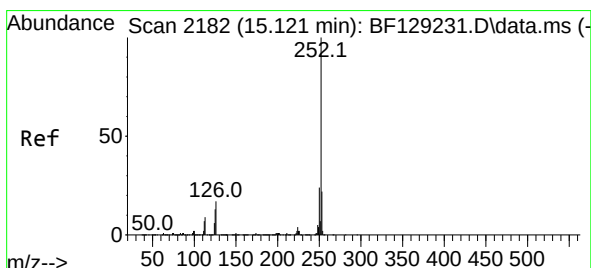
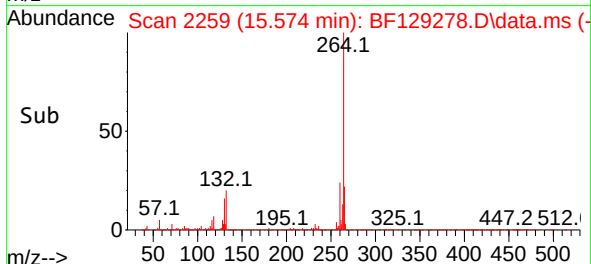
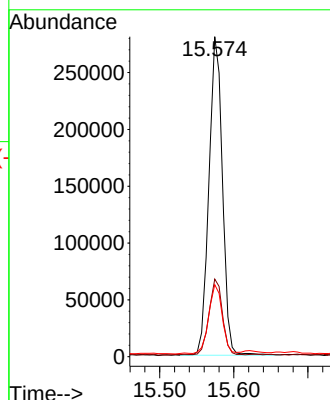
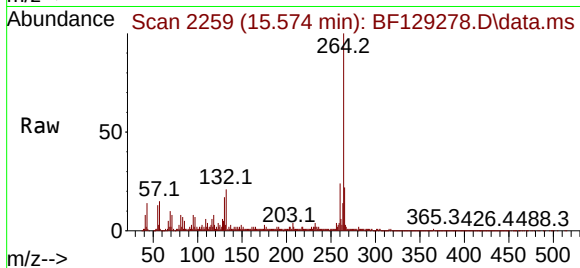
Tgt Ion:264 Resp: 354467

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 22.5 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 6.823 ng

RT: 15.133 min Scan# 2184

Delta R.T. 0.012 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

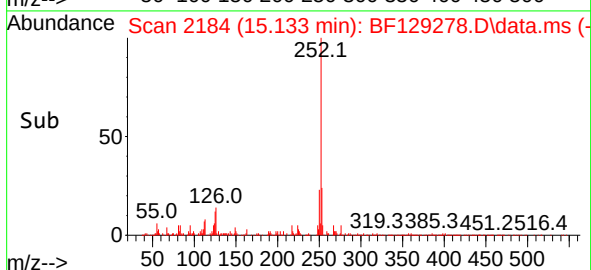
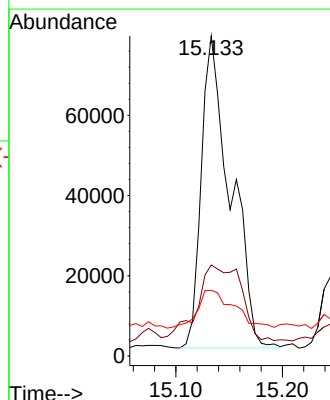
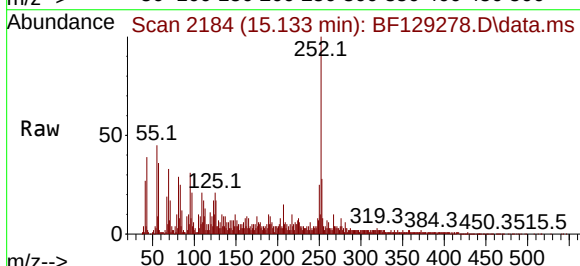
Tgt Ion:252 Resp: 148572

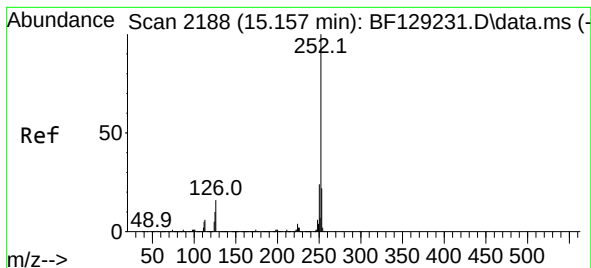
Ion Ratio Lower Upper

252 100

253 28.5 17.7 26.5#

125 20.5 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 6.983 ng

RT: 15.133 min Scan# 2188

Delta R.T. -0.023 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

Instrument :

BNF

ClientSampleId :

CL-02-071522

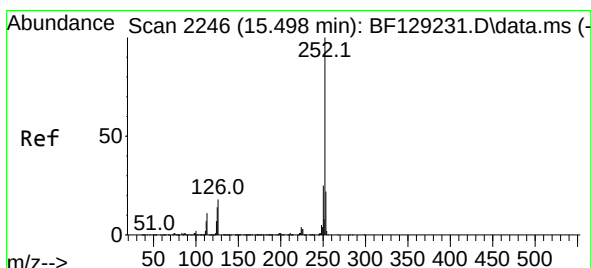
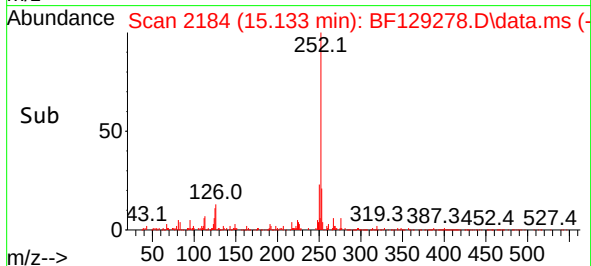
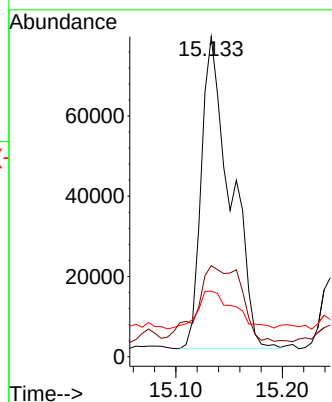
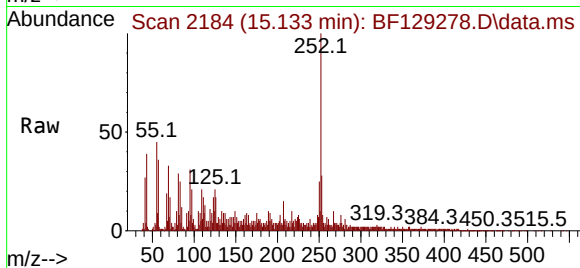
Tgt Ion:252 Resp: 148572

Ion Ratio Lower Upper

252 100

253 28.5 17.8 26.6#

125 20.5 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 4.960 ng

RT: 15.510 min Scan# 2248

Delta R.T. 0.012 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

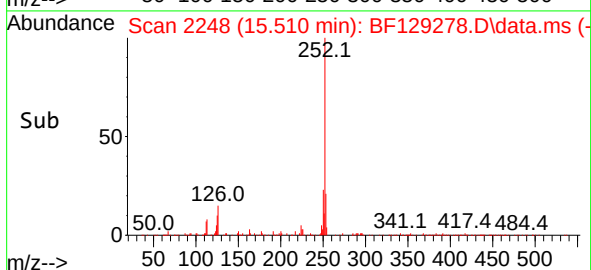
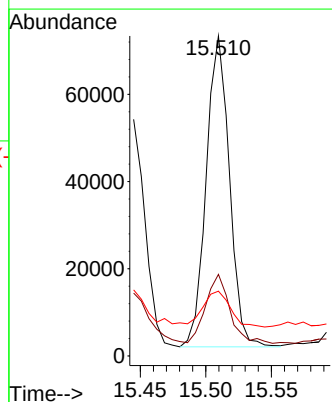
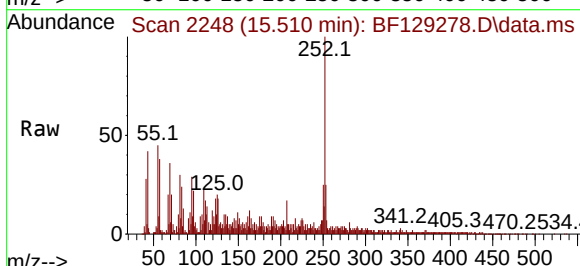
Tgt Ion:252 Resp: 87935

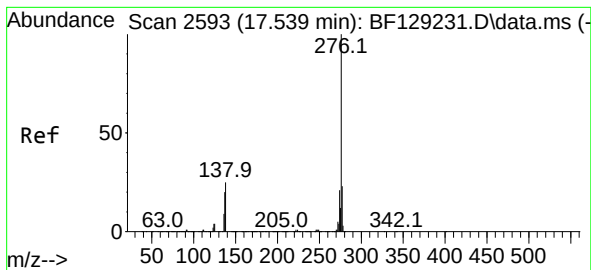
Ion Ratio Lower Upper

252 100

253 25.5 17.0 25.6

125 20.3 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.449 ng

RT: 17.557 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF129278.D

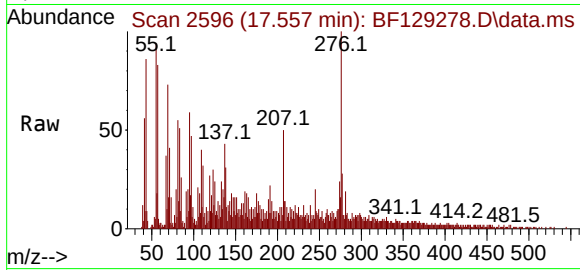
Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522



Tgt Ion:276 Resp: 44757

Ion Ratio Lower Upper

276 100

277 28.0 19.1 28.7

138 30.8 18.0 27.0#

