

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
 Data File : BF129755.D
 Acq On : 12 Aug 2022 21:02
 Operator : CG\JU
 Sample : N4150-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081022

Quant Time: Aug 13 02:08:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 12 15:52:45 2022
 Response via : Initial Calibration

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

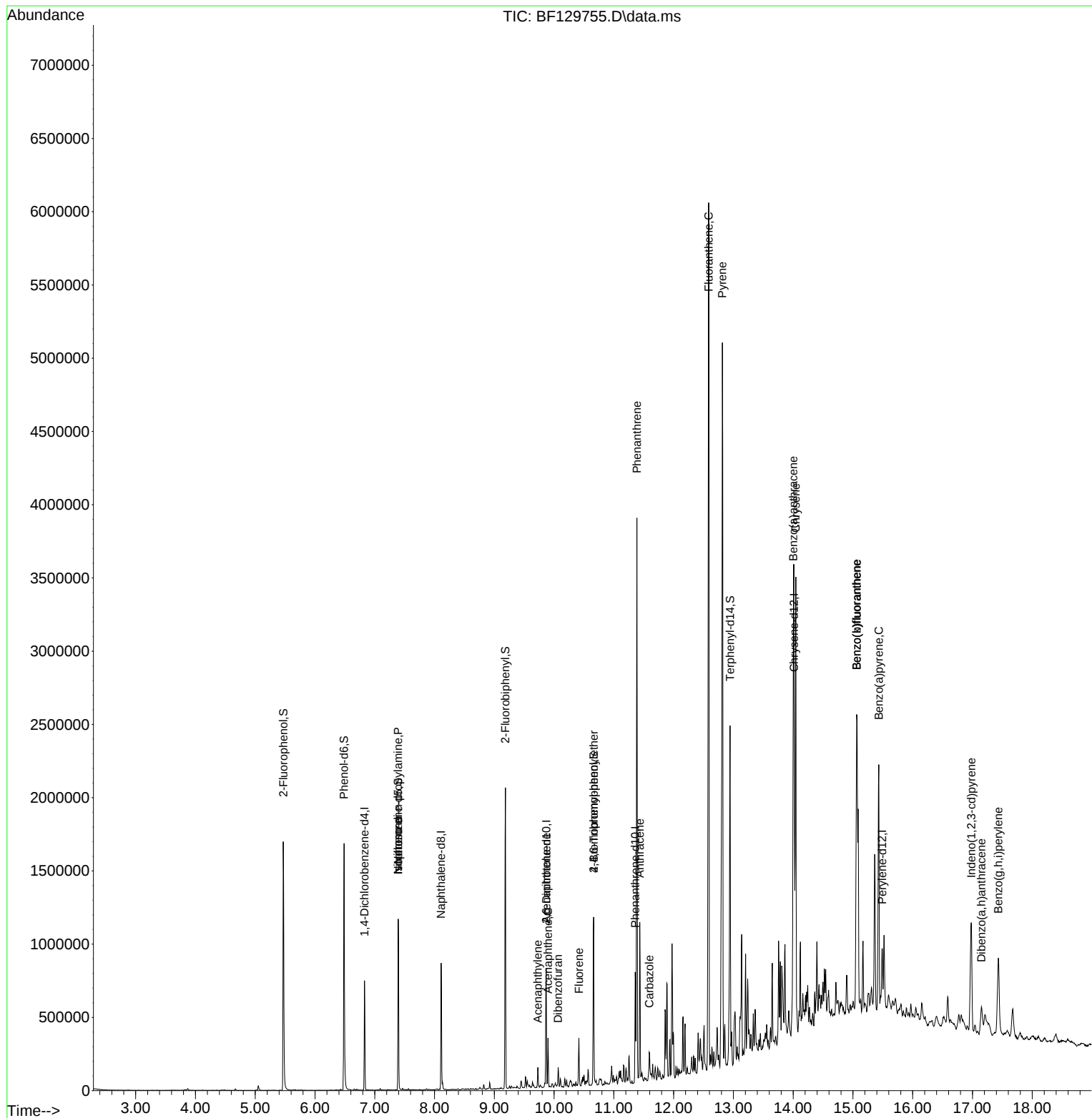
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	102555	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	358018	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	159254	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	283524	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	270723	20.000	ng	0.00
86) Perylene-d12	15.492	264	202989	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	498097	79.118	ng	0.00
7) Phenol-d6	6.487	99	556324	70.304	ng	0.00
23) Nitrobenzene-d5	7.392	82	343989	52.450	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	124103	81.054	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	595093	57.806	ng	0.00
79) Terphenyl-d14	12.945	244	745597	51.958	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	45006	9.395	ng	# 73
25) Isophorone	7.392	82	344050	29.266	ng	# 65
49) Acenaphthylene	9.728	152	45974	3.220	ng	99
51) 2,6-Dinitrotoluene	9.869	165	22416	9.110	ng	# 26
52) Acenaphthene	9.898	154	59263	6.356	ng	95
55) Dibenzofuran	10.069	168	34273	2.666	ng	# 92
58) Fluorene	10.416	166	81867	7.960	ng	98
67) 4-Bromophenyl-phenylether	10.663	248	7824	2.520	ng	# 1
71) Phenanthrene	11.386	178	1336337	86.344	ng	100
72) Anthracene	11.433	178	393893	25.898	ng	99
73) Carbazole	11.592	167	65877	4.601	ng	100
75) Fluoranthene	12.586	202	2756938	175.808	ng	97
78) Pyrene	12.816	202	2325295	102.714	ng	99
81) Benzo(a)anthracene	14.004	228	1301635	70.385	ng	97
83) Chrysene	14.045	228	1130567	64.867	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	478670	35.017	ng	# 92
88) Benzo(b)fluoranthene	15.063	252	1687189	125.303	ng	98
89) Benzo(k)fluoranthene	15.063	252	1687189	127.864	ng	99
90) Benzo(a)pyrene	15.433	252	775236	70.924	ng	97
91) Dibenzo(a,h)anthracene	17.151	278	96214	8.648	ng	96
92) Benzo(g,h,i)perylene	17.433	276	433026	38.090	ng	97

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

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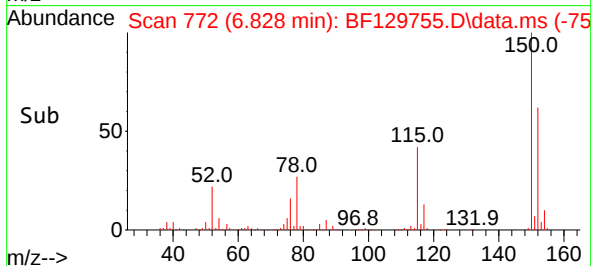
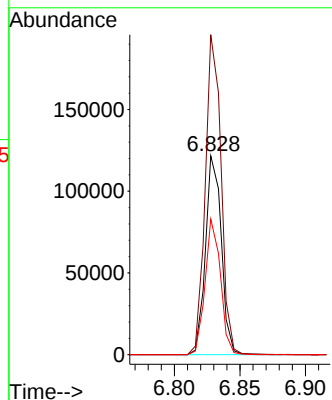
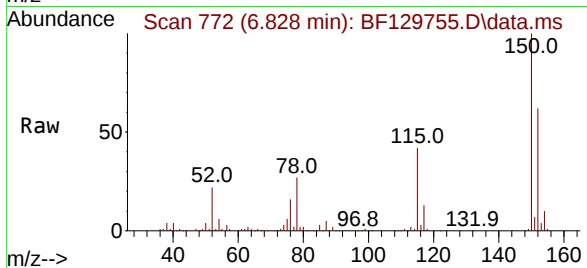




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

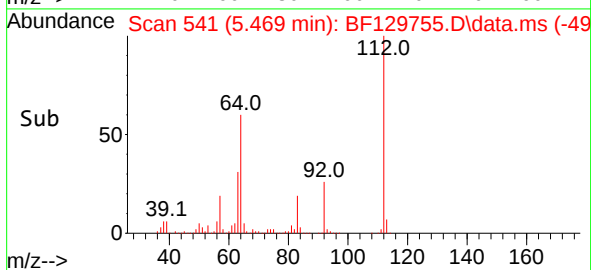
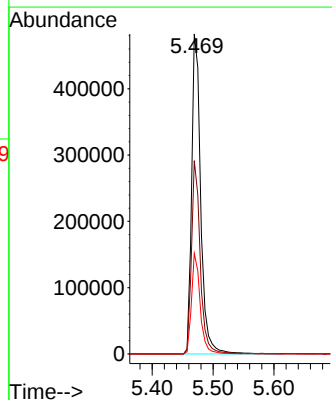
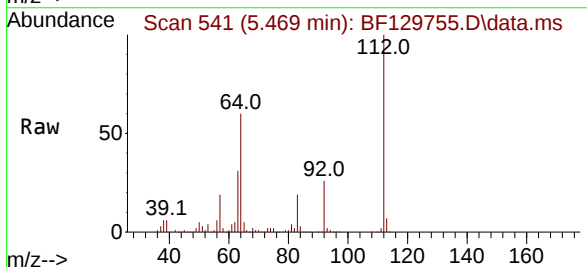
Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Tgt Ion:152 Resp: 102555
Ion Ratio Lower Upper
152 100
150 160.9 123.7 185.5
115 68.3 49.9 74.9



#5
2-Fluorophenol
Concen: 79.118 ng
RT: 5.469 min Scan# 541
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:112 Resp: 498097
Ion Ratio Lower Upper
112 100
64 60.4 53.3 79.9
63 31.5 28.0 42.0

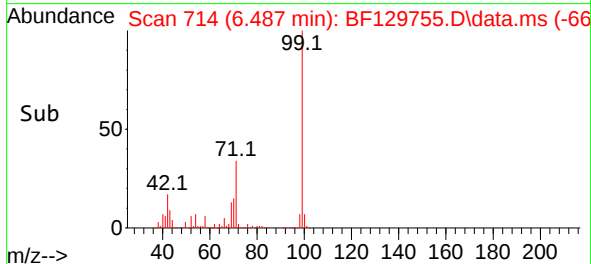
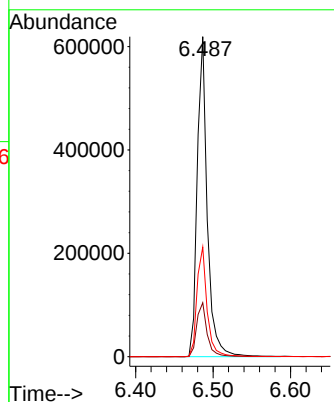
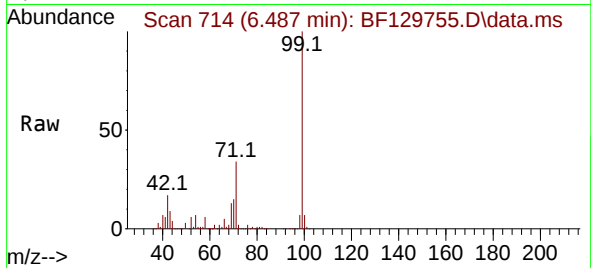




#7
Phenol-d6
Concen: 70.304 ng
RT: 6.487 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

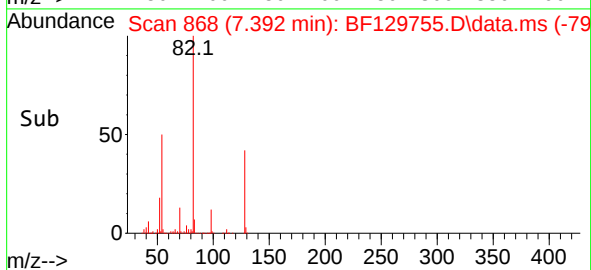
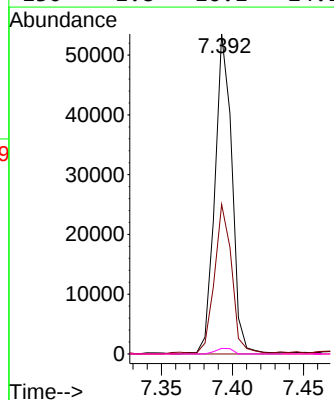
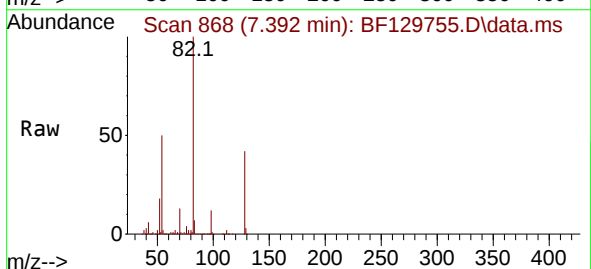
Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Tgt Ion: 99 Resp: 556324
Ion Ratio Lower Upper
99 100
42 16.9 17.3 25.9#
71 34.2 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.395 ng
RT: 7.392 min Scan# 868
Delta R.T. 0.141 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion: 70 Resp: 45006
Ion Ratio Lower Upper
70 100
42 46.8 52.3 78.5#
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#



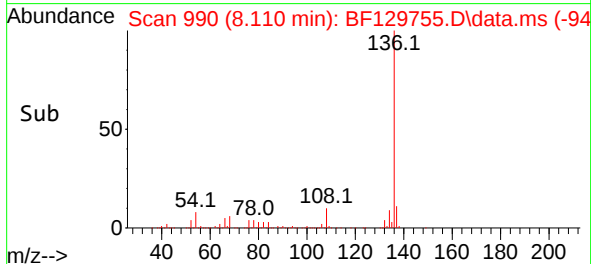
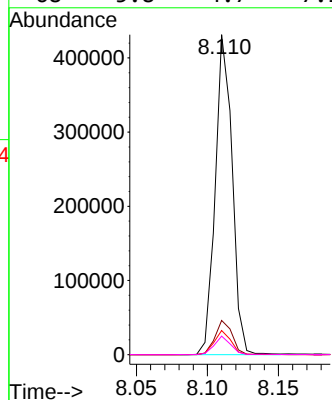
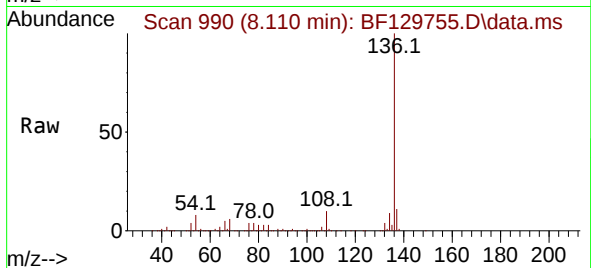


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Instrument :
BNA_F
ClientSampleId :
CL-01-081022

Tgt Ion:136 Resp: 358018

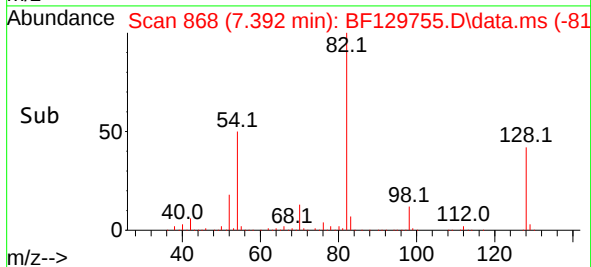
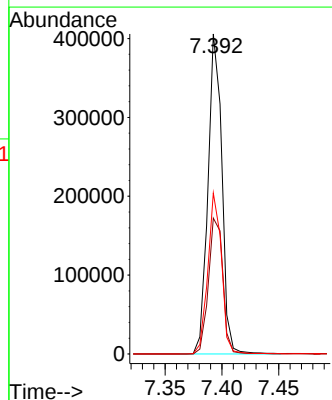
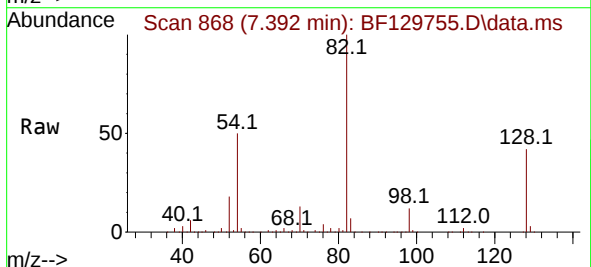
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.6	7.5	11.3
68	5.8	4.7	7.1



#23
Nitrobenzene-d5
Concen: 52.450 ng
RT: 7.392 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion: 82 Resp: 343989

Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.0	51.0
54	50.3	46.9	70.3

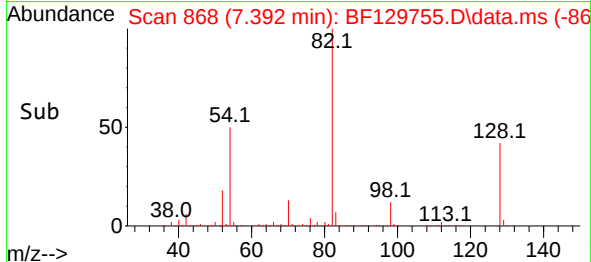
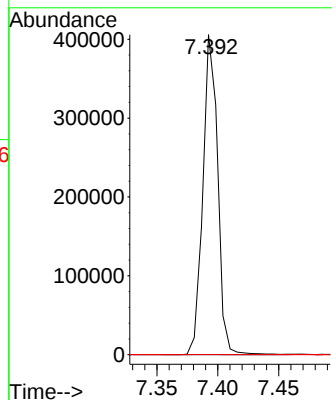
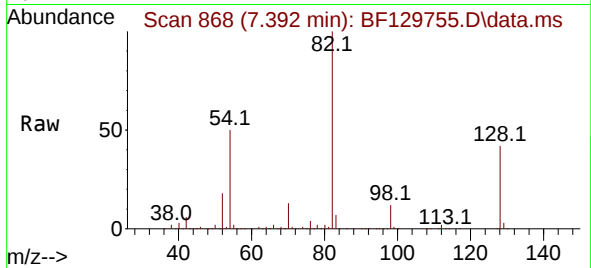




#25
Isophorone
Concen: 29.266 ng
RT: 7.392 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

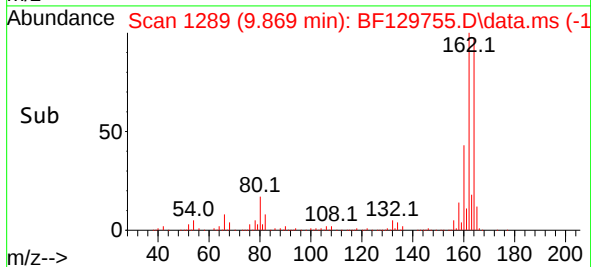
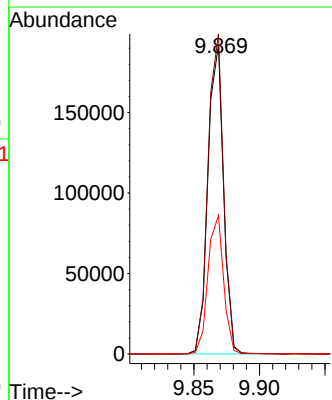
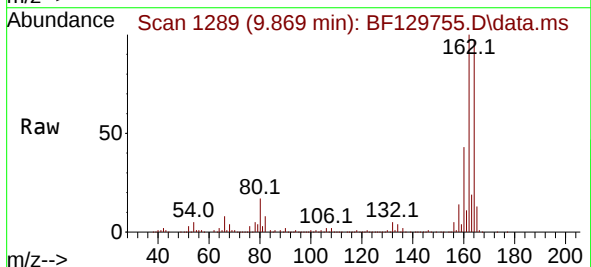
Instrument :
BNA_F
ClientSampleId :
CL-01-081022

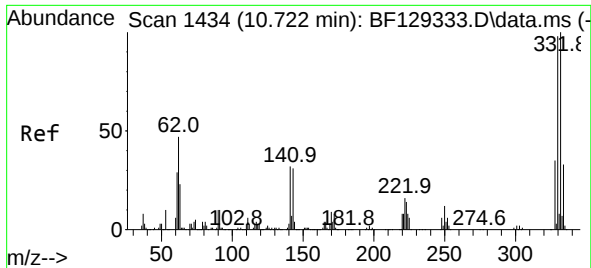
Tgt Ion: 82 Resp: 344050
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:164 Resp: 159254
Ion Ratio Lower Upper
164 100
162 103.5 79.5 119.3
160 44.7 34.2 51.4

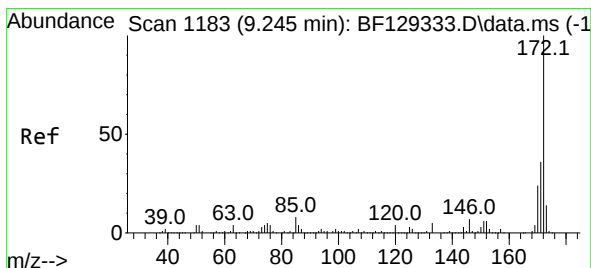
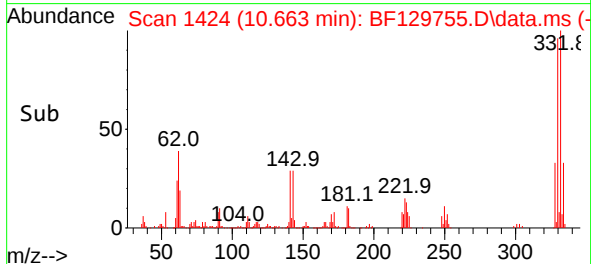
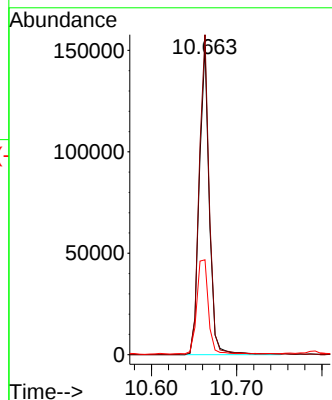
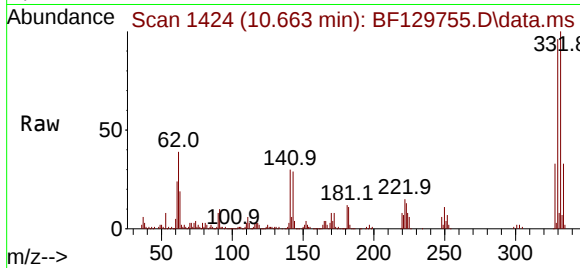




#42
2,4,6-Tribromophenol
Concen: 81.054 ng
RT: 10.663 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

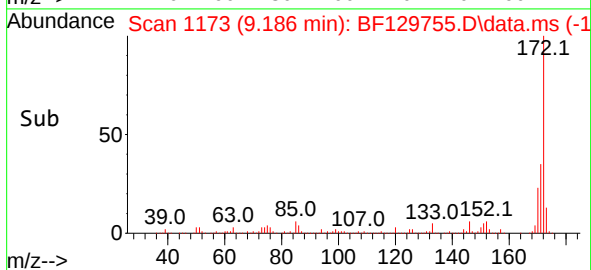
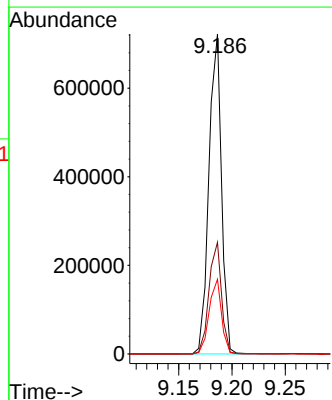
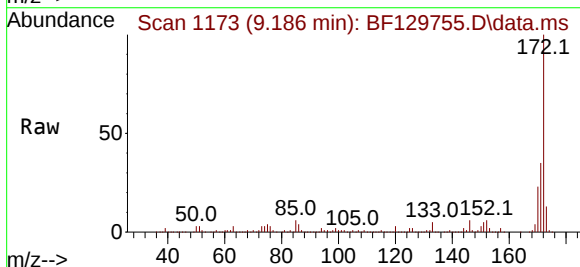
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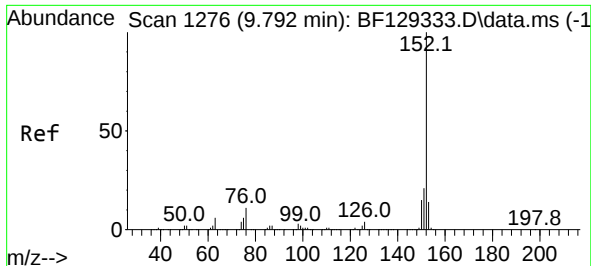
Tgt Ion:330 Resp: 124103
Ion Ratio Lower Upper
330 100
332 104.8 76.8 115.2
141 35.4 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 57.806 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:172 Resp: 595093
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.3 19.8 29.8





#49

Acenaphthylene

Concen: 3.220 ng

RT: 9.728 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129755.D

Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

ClientSampleId :

CL-01-081022

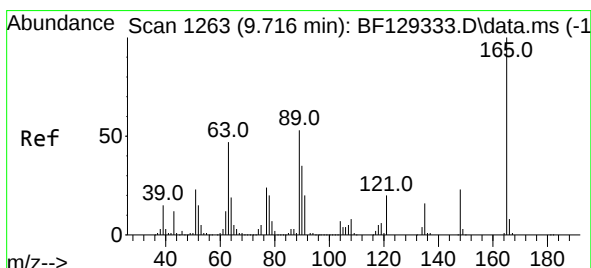
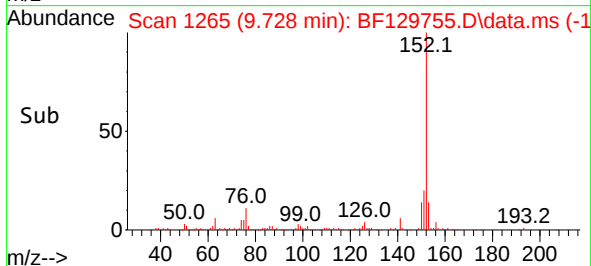
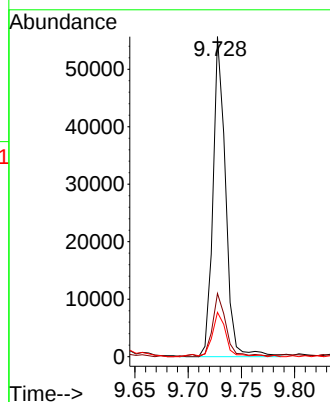
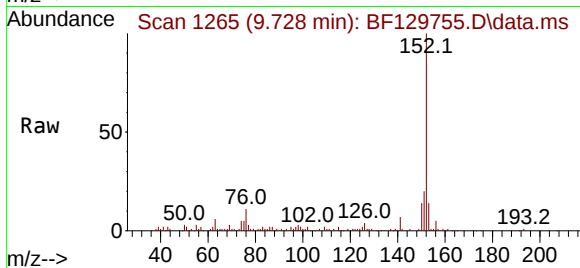
Tgt Ion:152 Resp: 45974

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

153 13.9 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 9.110 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.206 min

Lab File: BF129755.D

Acq: 12 Aug 2022 21:02

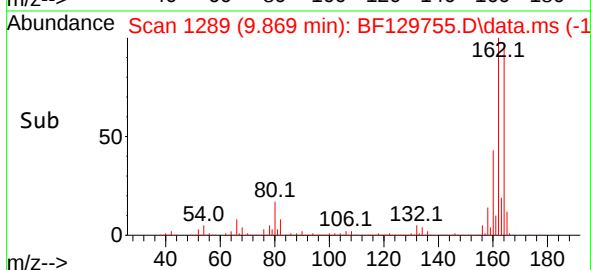
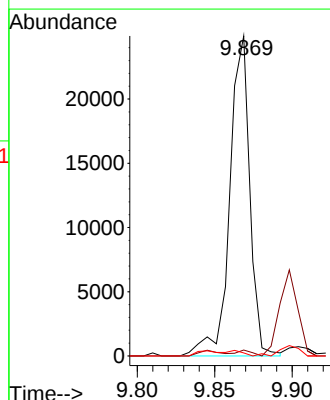
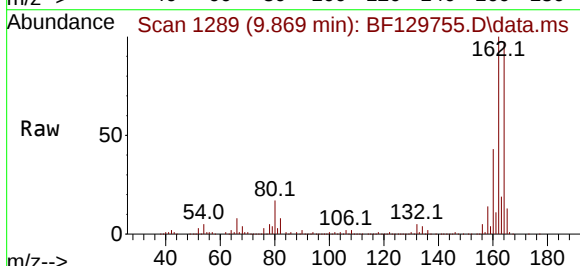
Tgt Ion:165 Resp: 22416

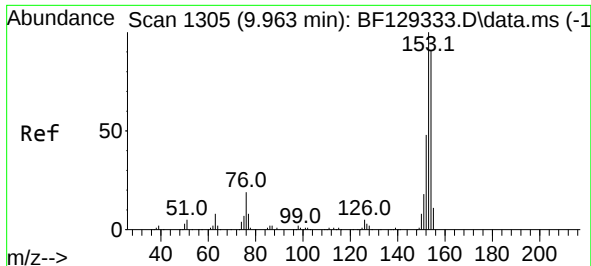
Ion Ratio Lower Upper

165 100

63 1.9 44.9 67.3#

89 1.0 43.6 65.4#

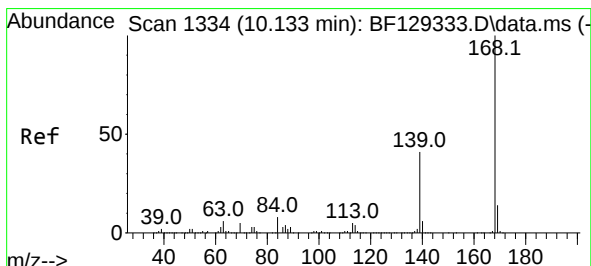
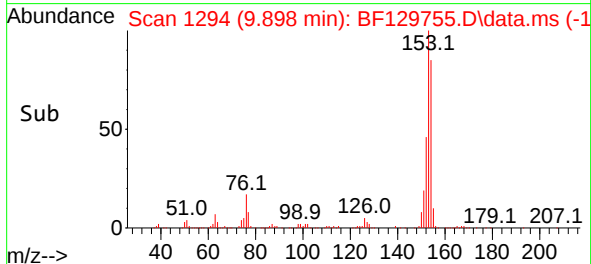
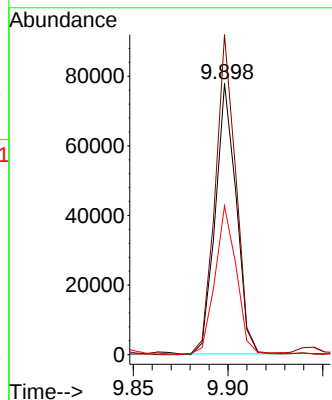
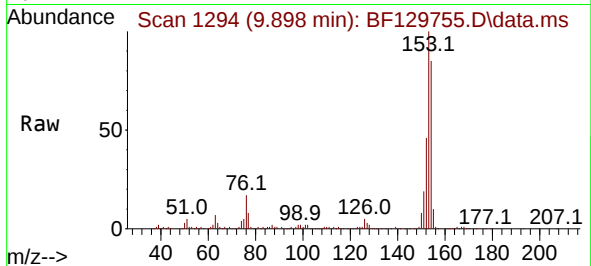




#52
Acenaphthene
Concen: 6.356 ng
RT: 9.898 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

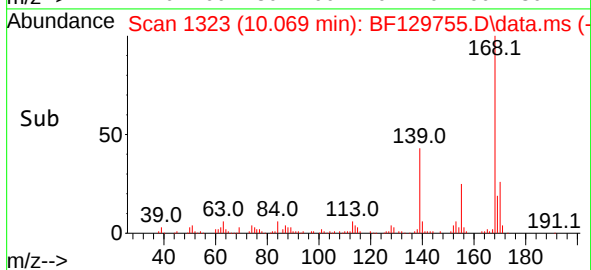
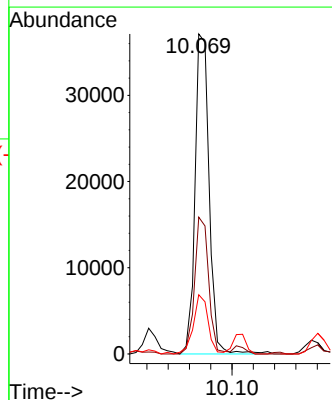
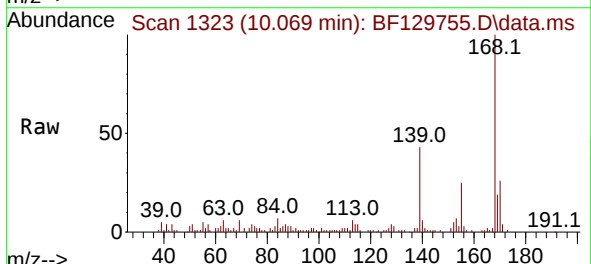
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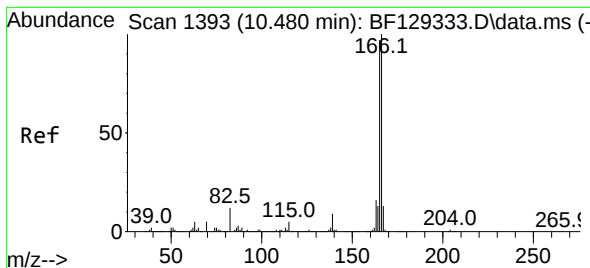
Tgt Ion:154 Resp: 59263
Ion Ratio Lower Upper
154 100
153 118.0 89.6 134.4
152 54.9 42.4 63.6



#55
Dibenzofuran
Concen: 2.666 ng
RT: 10.069 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:168 Resp: 34273
Ion Ratio Lower Upper
168 100
139 42.8 30.6 46.0
169 18.5 11.0 16.6#





#58

Fluorene

Concen: 7.960 ng

RT: 10.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129755.D

Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

ClientSampleId :

CL-01-081022

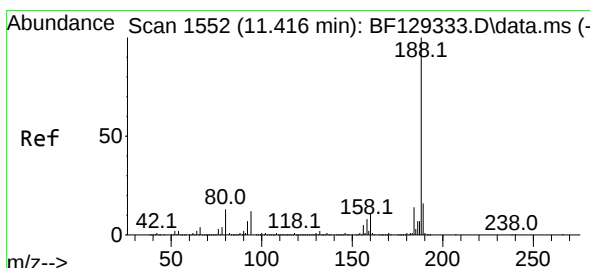
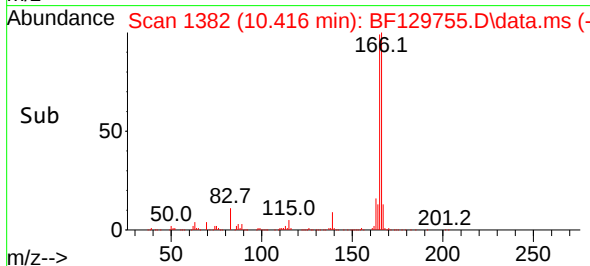
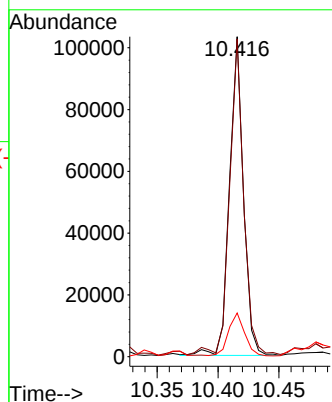
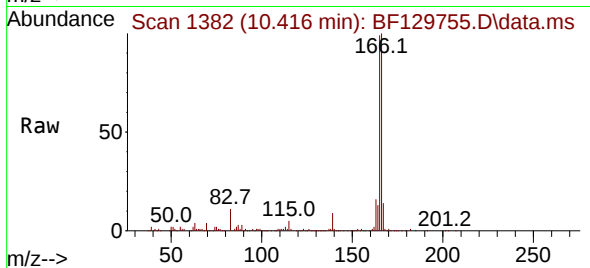
Tgt Ion:166 Resp: 81867

Ion Ratio Lower Upper

166 100

165 99.3 78.1 117.1

167 13.7 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF129755.D

Acq: 12 Aug 2022 21:02

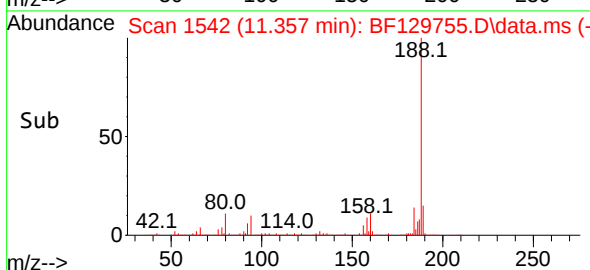
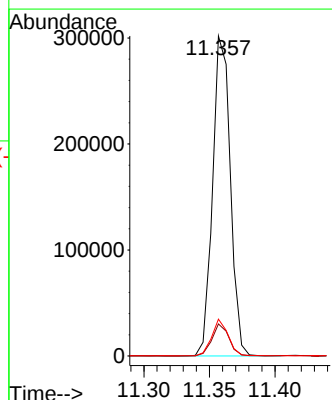
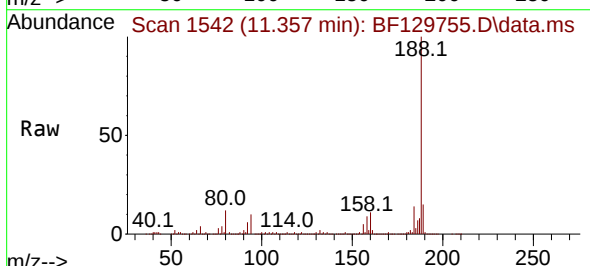
Tgt Ion:188 Resp: 283524

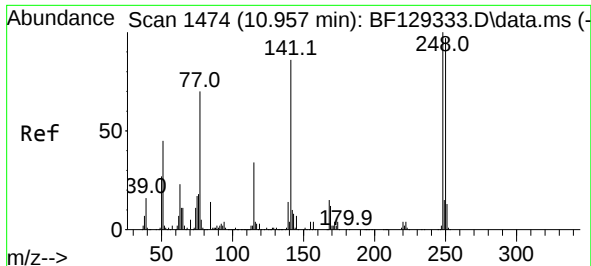
Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.6

80 11.5 7.6 11.4#

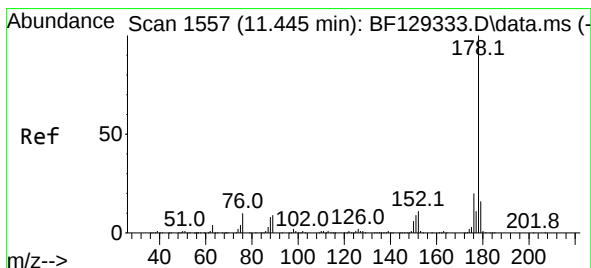
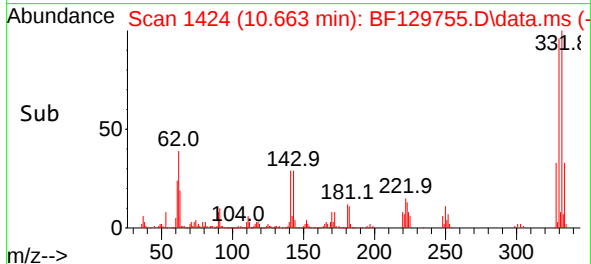
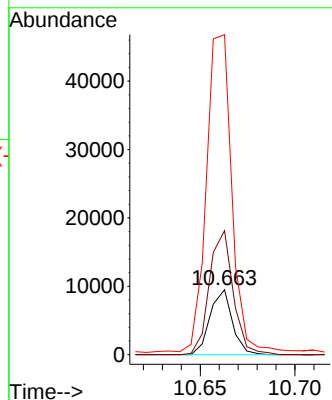
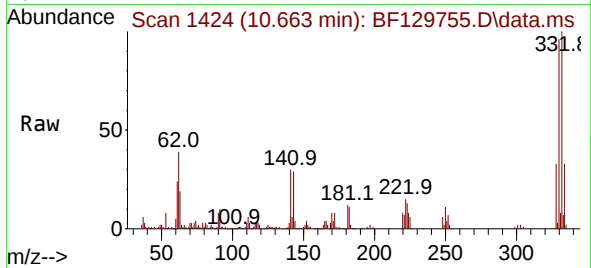




#67
4-Bromophenyl-phenylether
Concen: 2.520 ng
RT: 10.663 min Scan# 1474
Delta R.T. -0.235 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

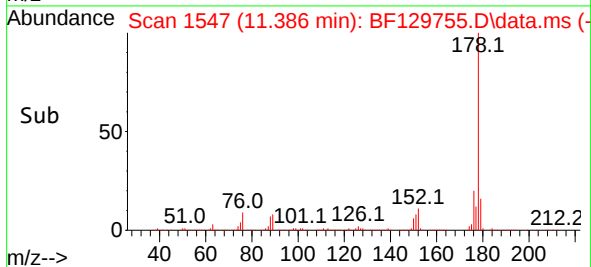
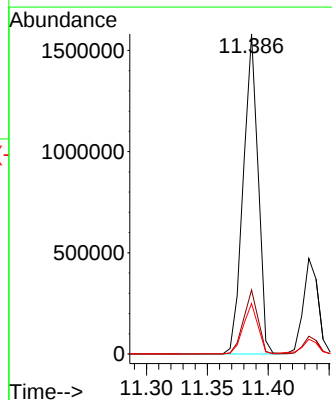
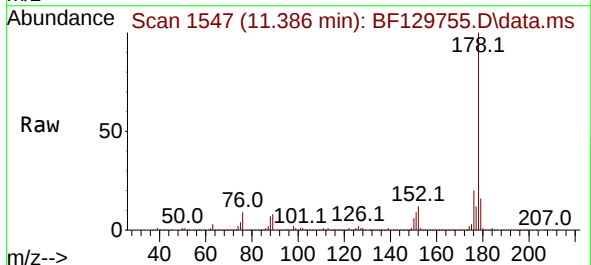
Instrument :
BNA_F
ClientSampleId :
CL-01-081022

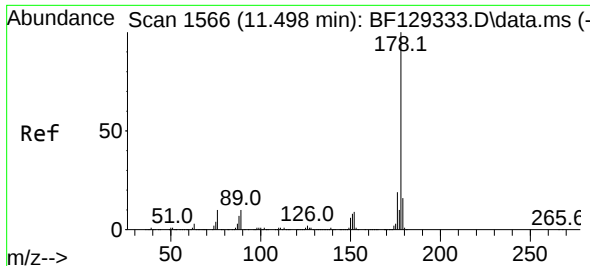
Tgt Ion:248 Resp: 7824
Ion Ratio Lower Upper
248 100
250 190.7 80.6 120.8#
141 492.3 58.9 88.3#



#71
Phenanthrene
Concen: 86.344 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

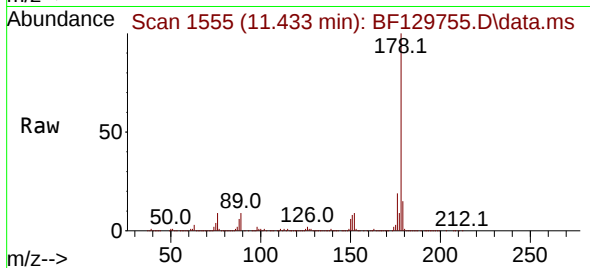
Tgt Ion:178 Resp: 1336337
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.8 12.6 19.0



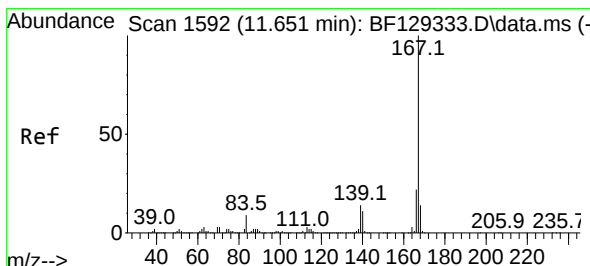
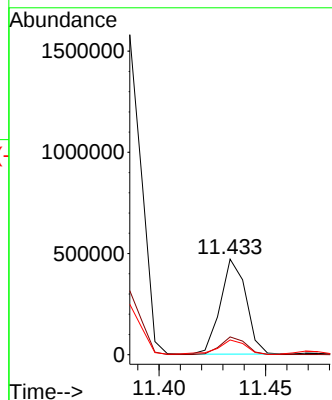
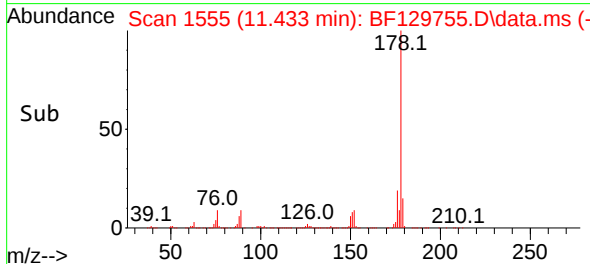


#72
 Anthracene
 Concen: 25.898 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129755.D
 Acq: 12 Aug 2022 21:02

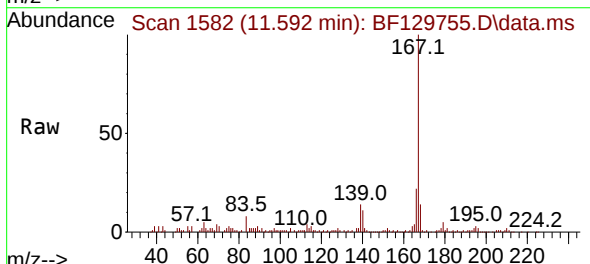
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081022



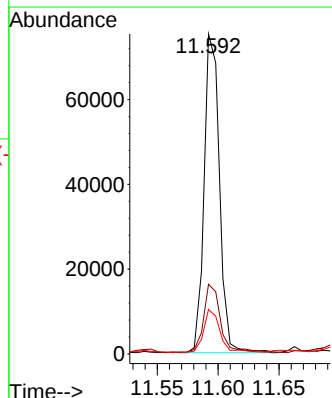
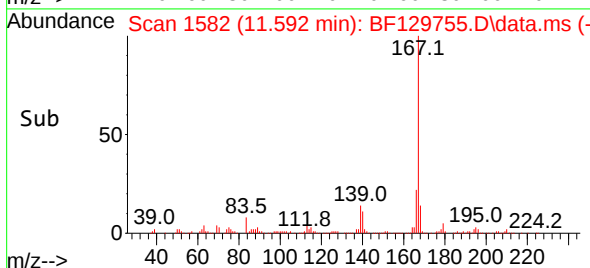
Tgt Ion:178 Resp: 393893
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.4 12.6 19.0

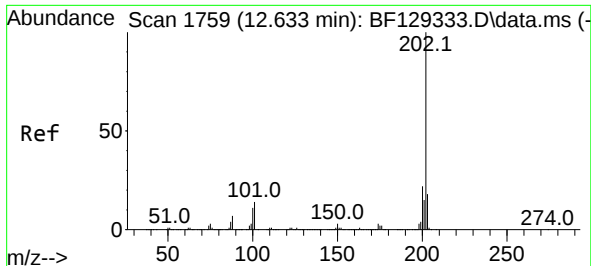


#73
 Carbazole
 Concen: 4.601 ng
 RT: 11.592 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF129755.D
 Acq: 12 Aug 2022 21:02



Tgt Ion:167 Resp: 65877
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.7 26.5
 139 13.9 11.2 16.8

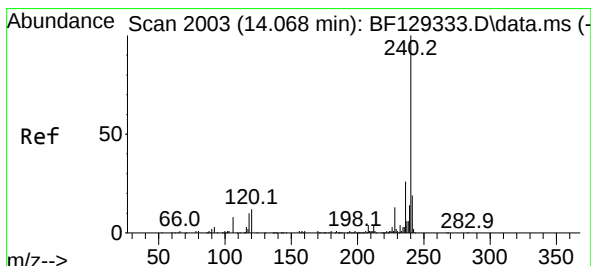
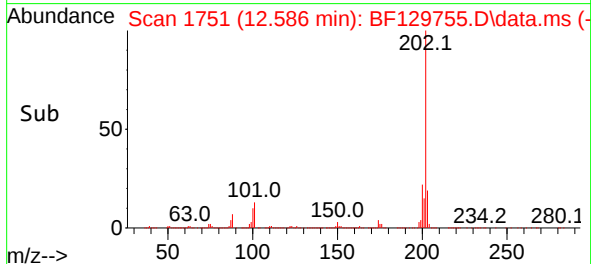
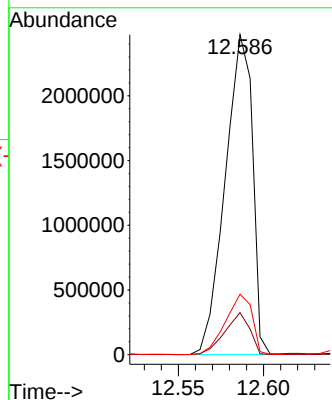
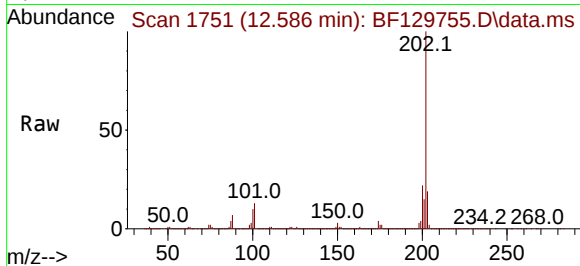




#75
Fluoranthene
Concen: 175.808 ng
RT: 12.586 min Scan# 1759
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

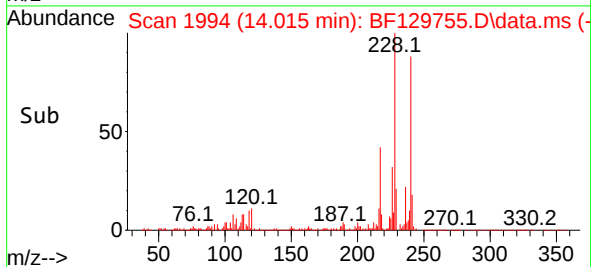
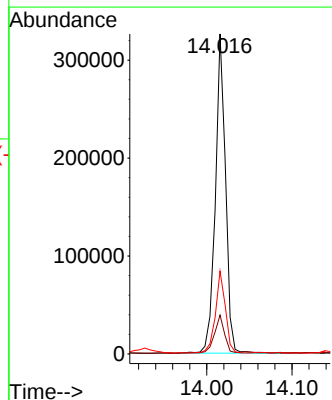
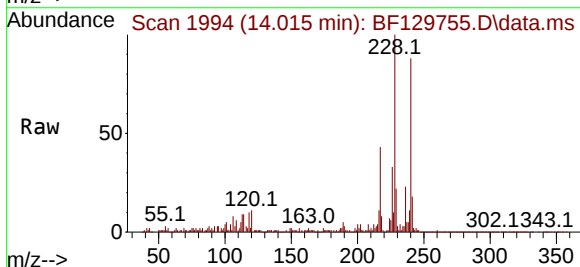
Instrument :
BNA_F
ClientSampleId :
CL-01-081022

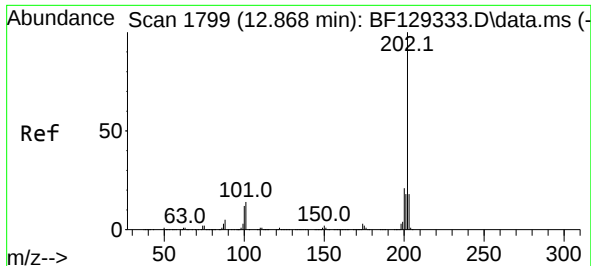
Tgt Ion:202 Resp: 2756938
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.4
203 18.9 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:240 Resp: 270723
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 25.9 20.8 31.2

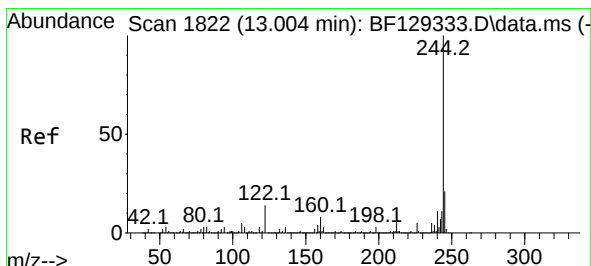
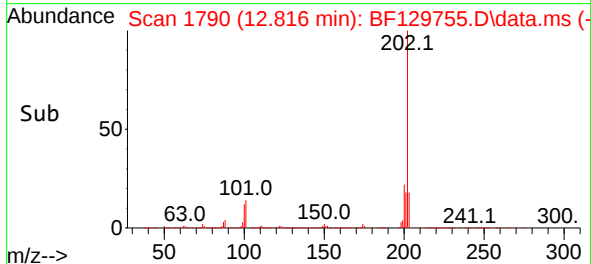
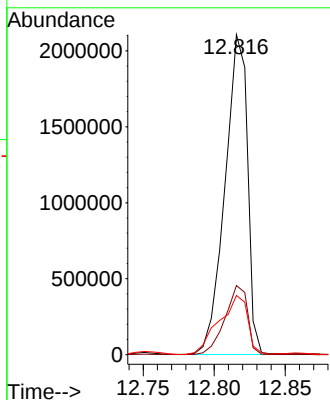
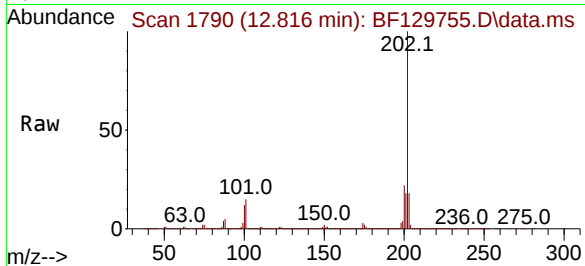




#78
 Pyrene
 Concen: 102.714 ng
 RT: 12.816 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF129755.D
 Acq: 12 Aug 2022 21:02

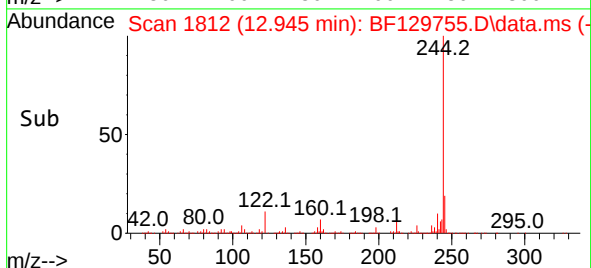
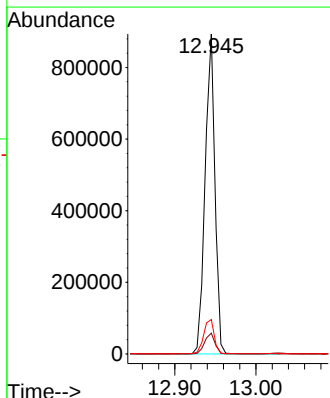
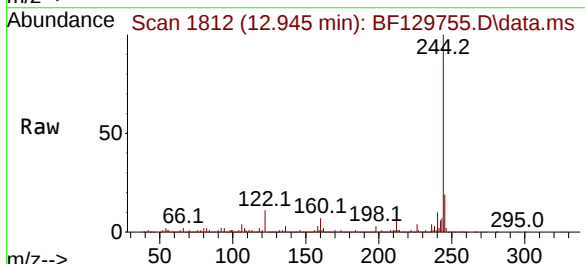
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081022

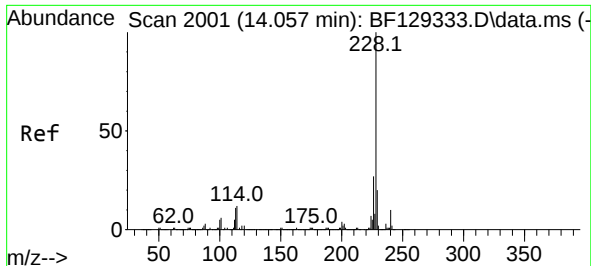
Tgt Ion:202 Resp: 2325295
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.7 26.5
 203 18.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 51.958 ng
 RT: 12.945 min Scan# 1812
 Delta R.T. -0.000 min
 Lab File: BF129755.D
 Acq: 12 Aug 2022 21:02

Tgt Ion:244 Resp: 745597
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.1 9.1
 122 10.7 8.8 13.2

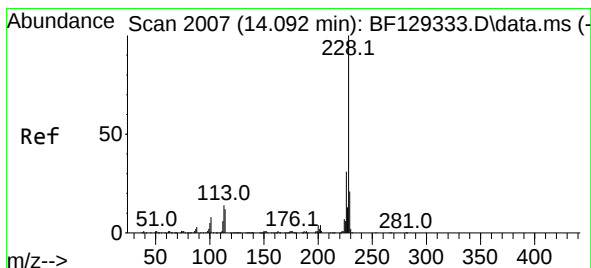
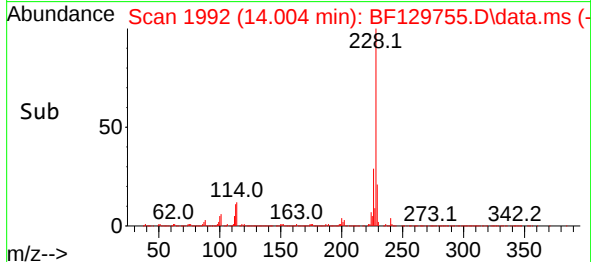
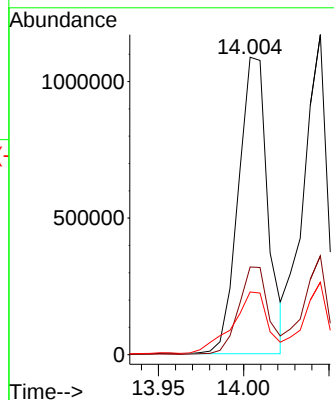
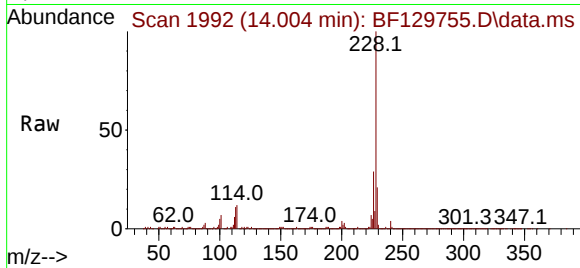




#81
Benzo(a)anthracene
Concen: 70.385 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

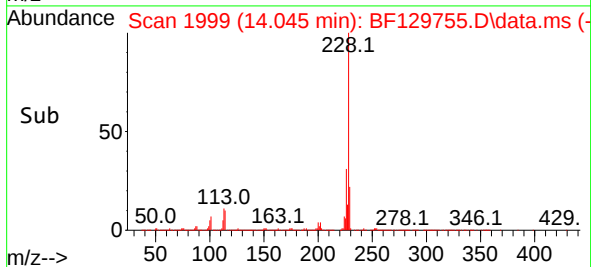
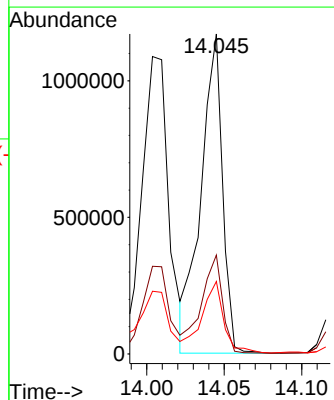
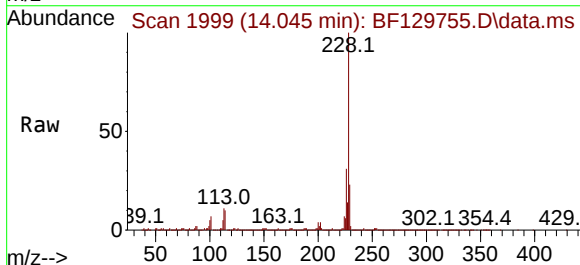
Instrument :
BNA_F
ClientSampleId :
CL-01-081022

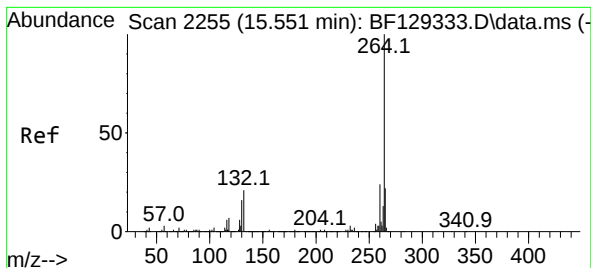
Tgt Ion:228 Resp: 1301635
Ion Ratio Lower Upper
228 100
226 29.5 22.1 33.1
229 21.1 15.8 23.8



#83
Chrysene
Concen: 64.867 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:228 Resp: 1130567
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 22.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129755.D

Acq: 12 Aug 2022 21:02

Instrument :

BNA_F

ClientSampleId :

CL-01-081022

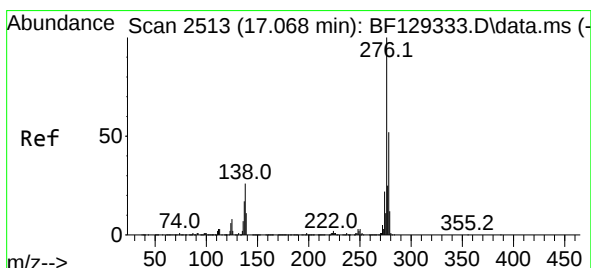
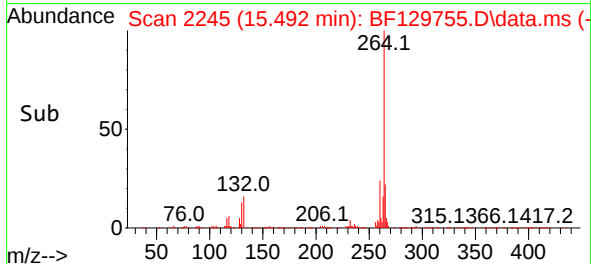
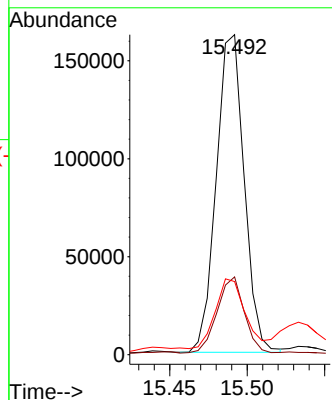
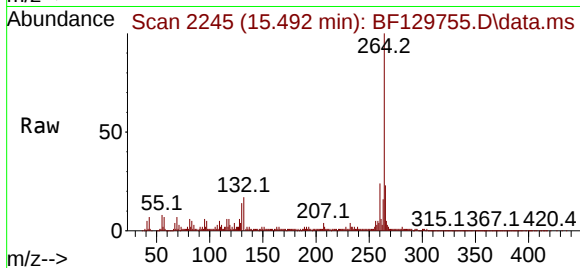
Tgt Ion:264 Resp: 202989

Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

265 22.9 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 35.017 ng

RT: 16.980 min Scan# 2498

Delta R.T. 0.006 min

Lab File: BF129755.D

Acq: 12 Aug 2022 21:02

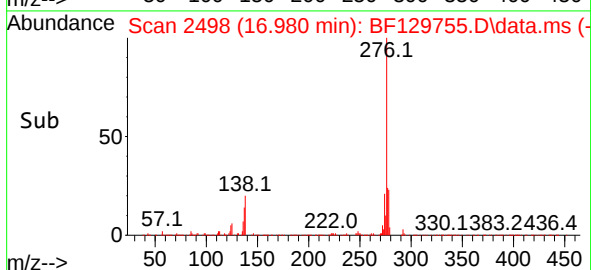
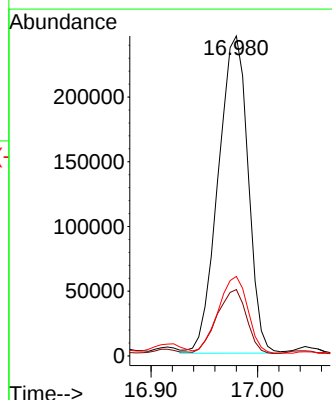
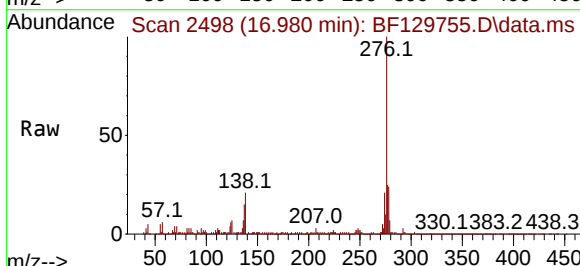
Tgt Ion:276 Resp: 478670

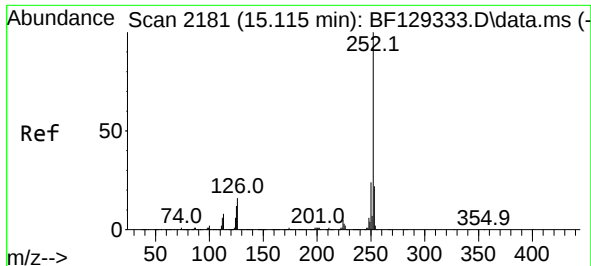
Ion Ratio Lower Upper

276 100

138 20.3 21.1 31.7#

277 23.9 20.3 30.5

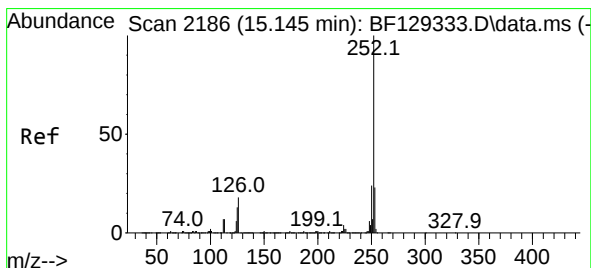
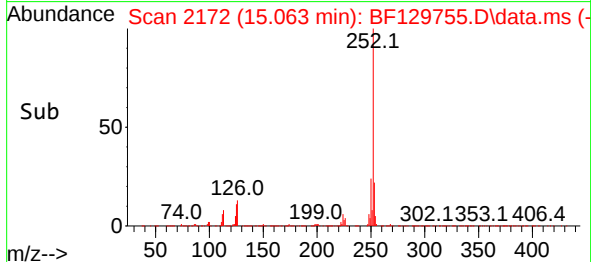
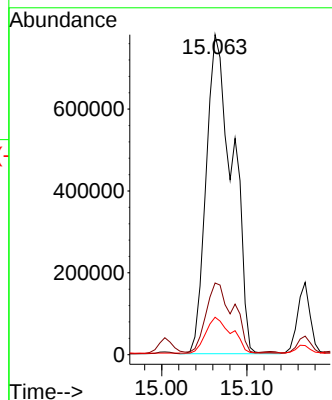
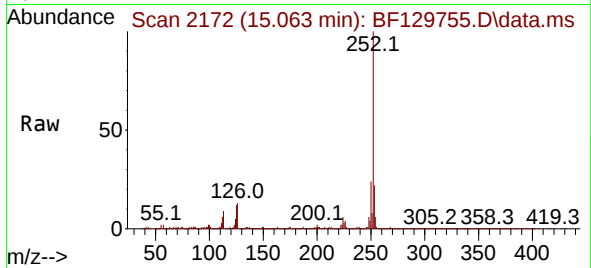




#88
Benzo(b)fluoranthene
Concen: 125.303 ng
RT: 15.063 min Scan# 2181
Delta R.T. 0.012 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

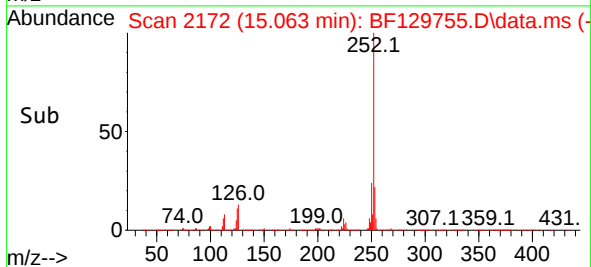
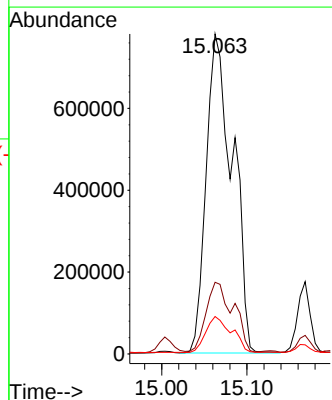
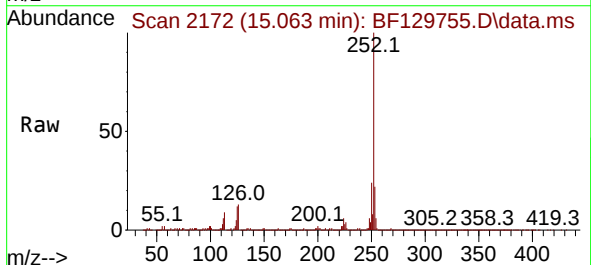
Instrument :
BNA_F
ClientSampleId :
CL-01-081022

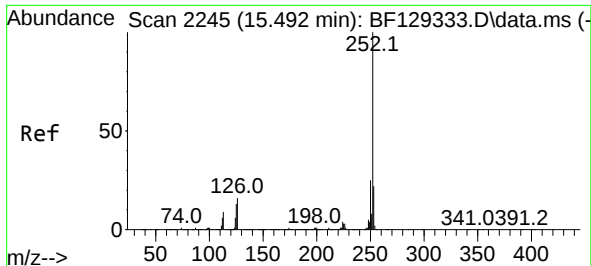
Tgt Ion:252 Resp: 1687189
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.7 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 127.864 ng
RT: 15.063 min Scan# 2172
Delta R.T. -0.018 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

Tgt Ion:252 Resp: 1687189
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 11.7 8.3 12.5

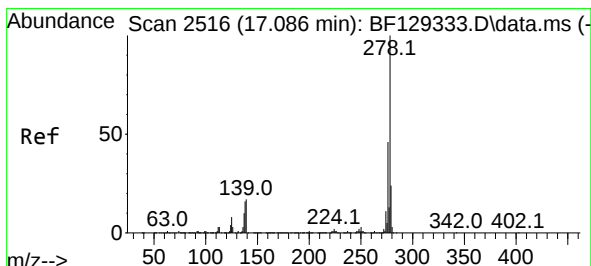
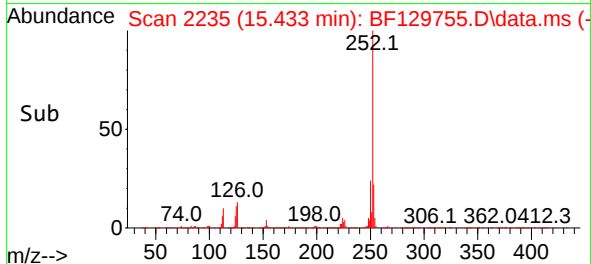
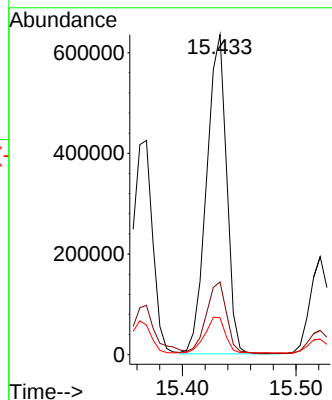
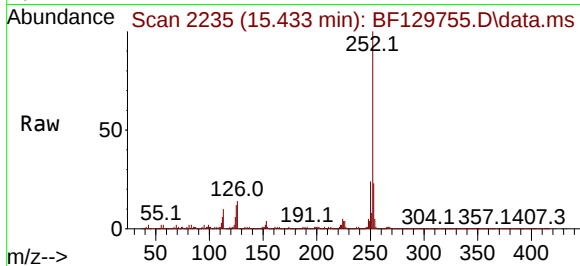




#90
Benzo(a)pyrene
Concen: 70.924 ng
RT: 15.433 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

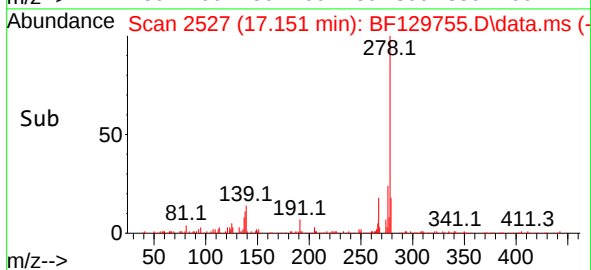
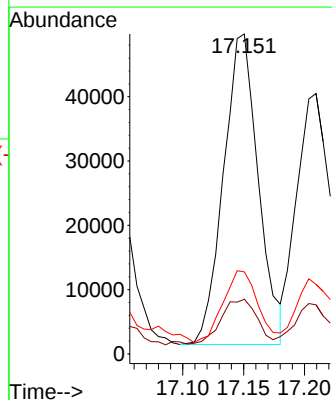
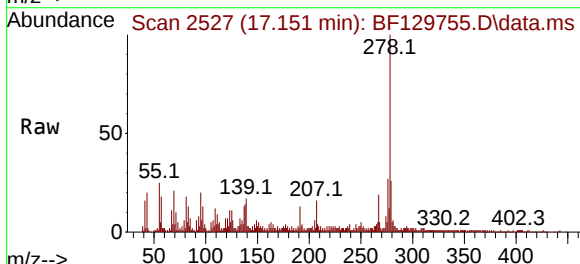
Instrument :
BNA_F
ClientSampleId :
CL-01-081022

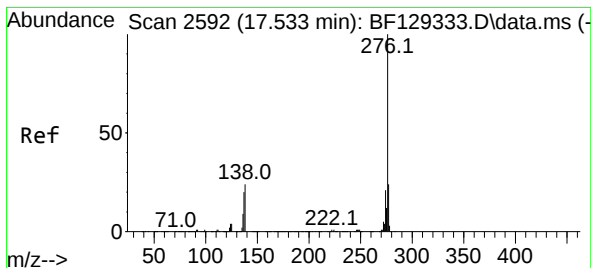
Tgt Ion:252 Resp: 775236
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 11.6 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 8.648 ng
RT: 17.151 min Scan# 2527
Delta R.T. 0.171 min
Lab File: BF129755.D
Acq: 12 Aug 2022 21:02

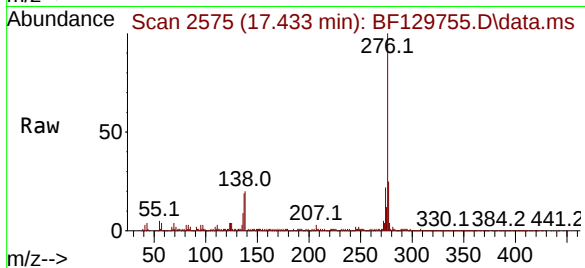
Tgt Ion:278 Resp: 96214
Ion Ratio Lower Upper
278 100
139 17.1 12.8 19.2
279 25.7 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 38.090 ng
 RT: 17.433 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF129755.D
 Acq: 12 Aug 2022 21:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-081022



Tgt Ion:	276	Resp:	433026
Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.1	28.7
138	19.8	18.0	27.0

