

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129557.D
 Acq On : 04 Aug 2022 00:22
 Operator : CG\JU
 Sample : N4009-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-080222

Quant Time: Aug 04 02:21:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

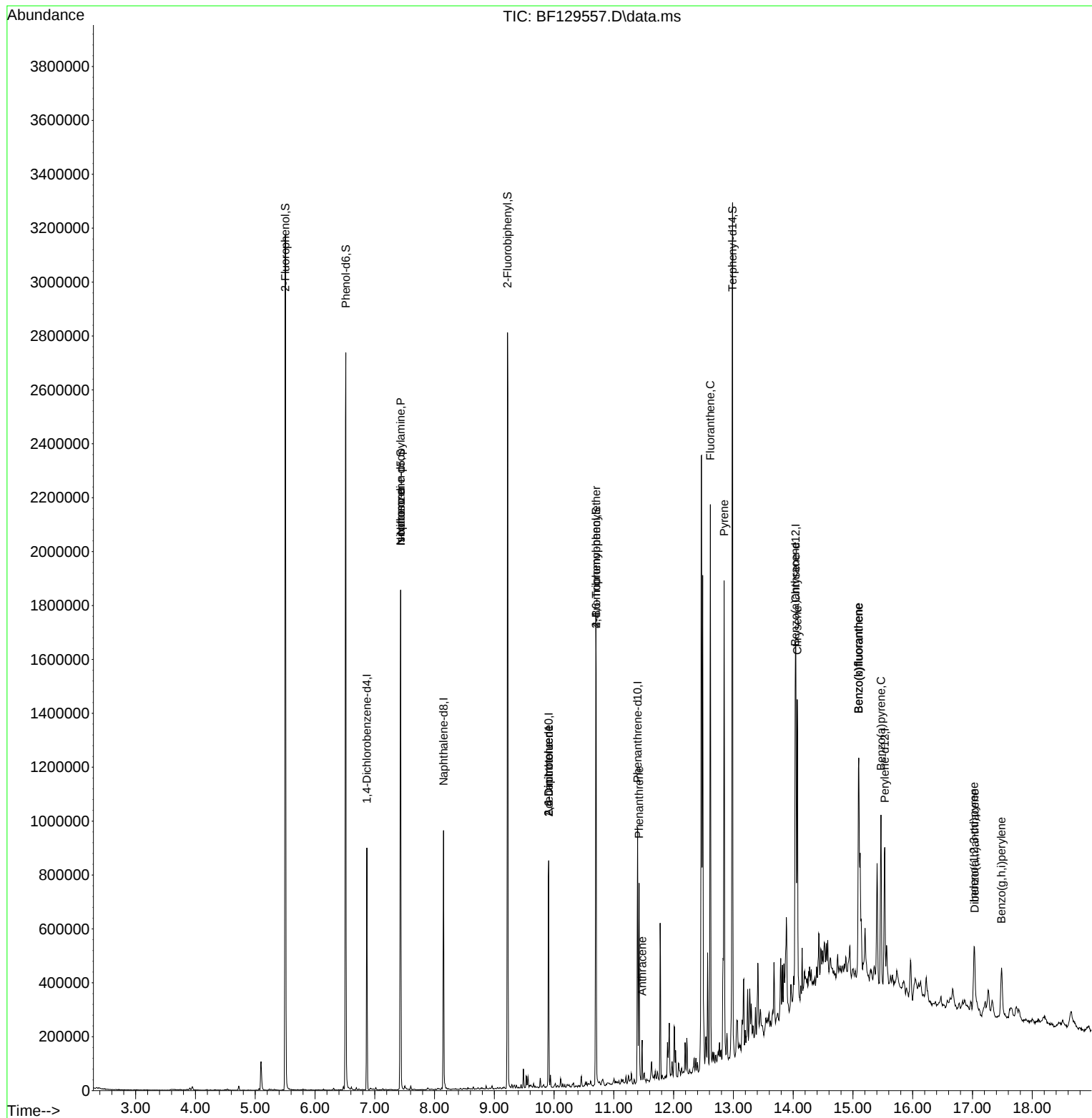
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	118738	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	389301	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	175753	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	323186	20.000	ng	0.00
76) Chrysene-d12	14.045	240	309070	20.000	ng	0.00
86) Perylene-d12	15.533	264	223870	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	797427	109.401	ng	0.00
7) Phenol-d6	6.516	99	912269	99.572	ng	0.00
23) Nitrobenzene-d5	7.434	82	560623	78.612	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	191143	113.120	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	862992	75.959	ng	-0.01
79) Terphenyl-d14	12.986	244	1066629	65.108	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	75078	13.536	ng	# 73
25) Isophorone	7.434	82	560610	43.855	ng	# 65
51) 2,6-Dinitrotoluene	9.910	165	22723	8.368	ng	# 25
57) 2,4-Dinitrotoluene	9.910	165	22723	6.405	ng	# 21
67) 4-Bromophenyl-phenylether	10.704	248	12391	3.501	ng	# 1
71) Phenanthrene	11.422	178	241234	13.674	ng	98
72) Anthracene	11.474	178	54606	3.150	ng	98
75) Fluoranthene	12.616	202	745050	41.681	ng	98
78) Pyrene	12.845	202	658341	25.472	ng	99
81) Benzo(a)anthracene	14.033	228	408247	19.337	ng	99
83) Chrysene	14.068	228	422975	21.257	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	160702	10.660	ng	95
88) Benzo(b)fluoranthene	15.098	252	607614	40.917	ng	# 95
89) Benzo(k)fluoranthene	15.098	252	607614	41.753	ng	# 95
90) Benzo(a)pyrene	15.468	252	279739	23.206	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	41564	3.387	ng	# 87
92) Benzo(g,h,i)perylene	17.486	276	152450	12.159	ng	98

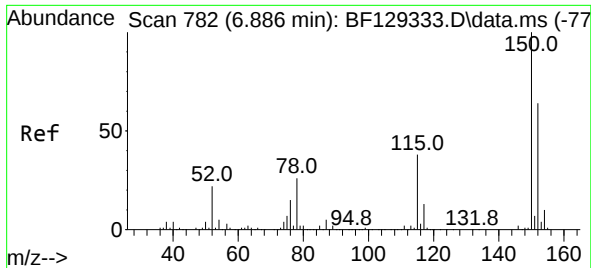
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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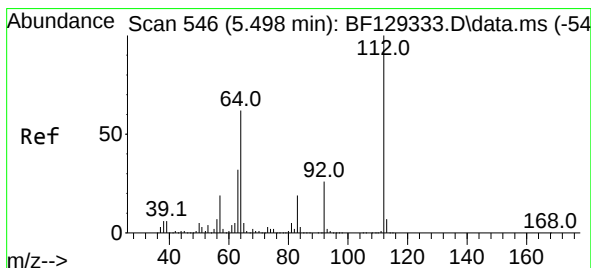
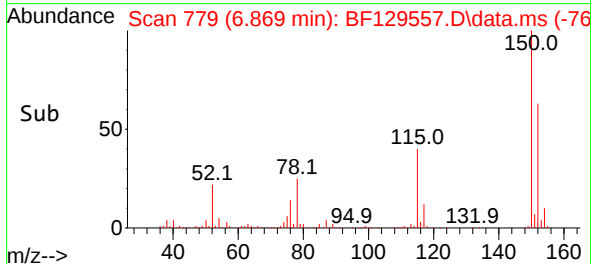
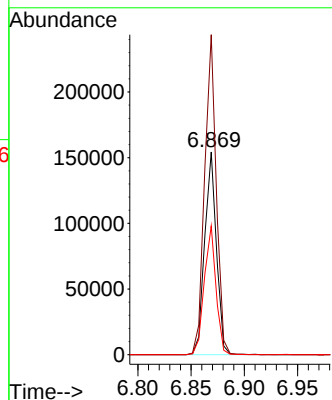
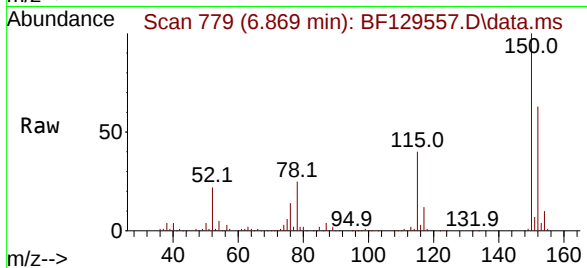




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF129557.D
 Acq: 04 Aug 2022 00:22

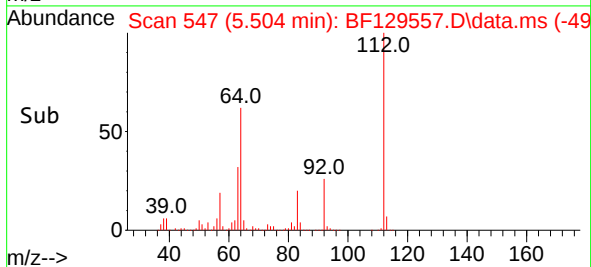
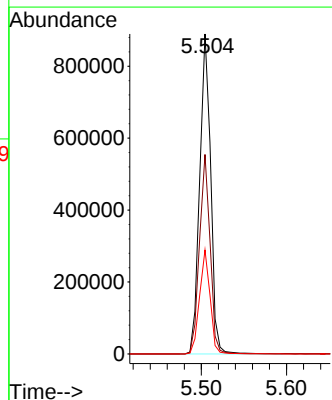
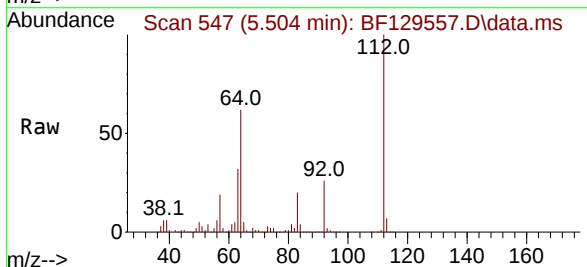
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-080222

Tgt Ion:152 Resp: 118738
 Ion Ratio Lower Upper
 152 100
 150 157.8 123.7 185.5
 115 63.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 109.401 ng
 RT: 5.504 min Scan# 547
 Delta R.T. -0.000 min
 Lab File: BF129557.D
 Acq: 04 Aug 2022 00:22

Tgt Ion:112 Resp: 797427
 Ion Ratio Lower Upper
 112 100
 64 62.3 53.3 79.9
 63 32.5 28.0 42.0

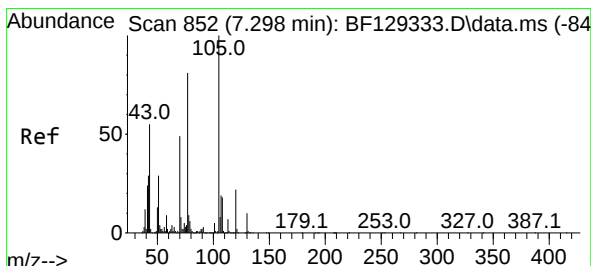
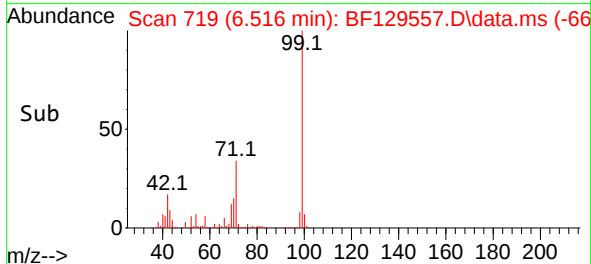
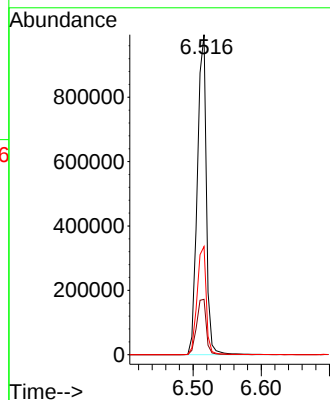
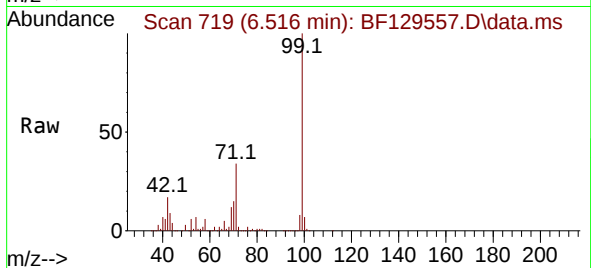




#7
Phenol-d6
Concen: 99.572 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

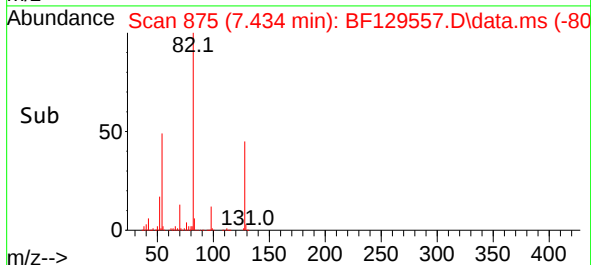
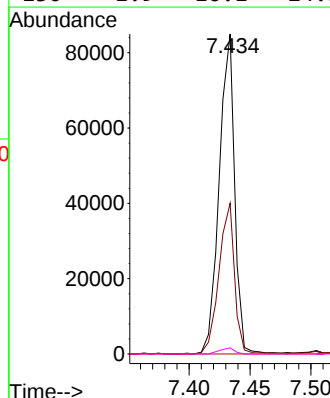
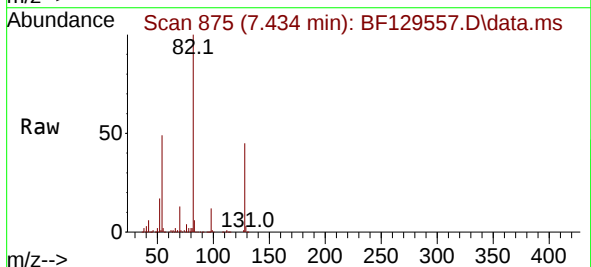
Instrument :
BNA_F
ClientSampleId :
TR-05-080222

Tgt Ion: 99 Resp: 912269
Ion Ratio Lower Upper
99 100
42 17.3 17.3 25.9
71 33.8 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.536 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.141 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion: 70 Resp: 75078
Ion Ratio Lower Upper
70 100
42 47.1 52.3 78.5#
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#



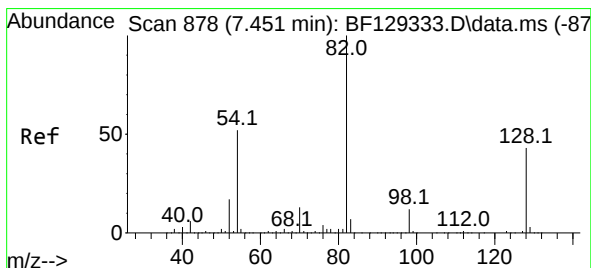
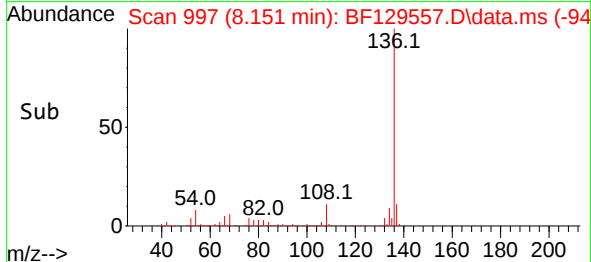
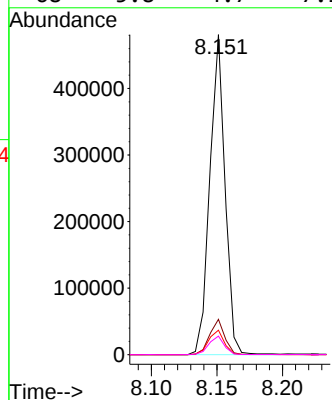
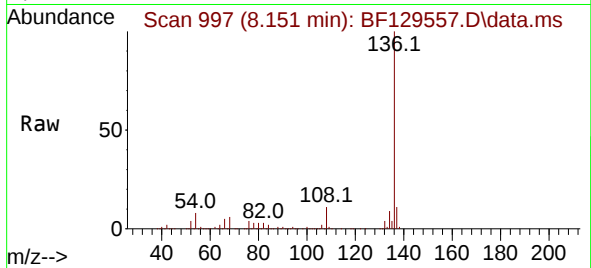


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Instrument :
BNA_F
ClientSampleId :
TR-05-080222

Tgt Ion:136 Resp: 389301

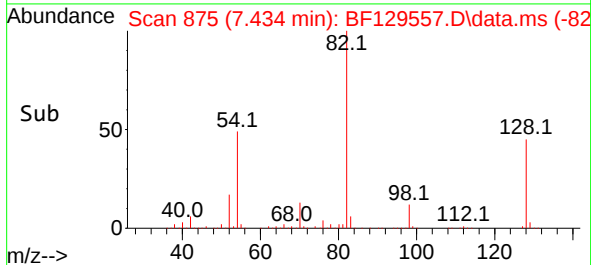
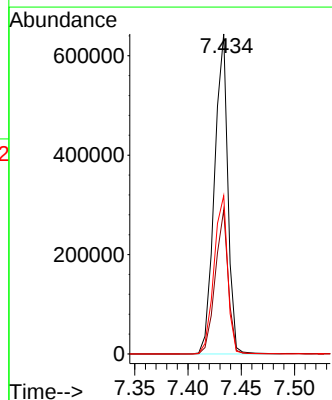
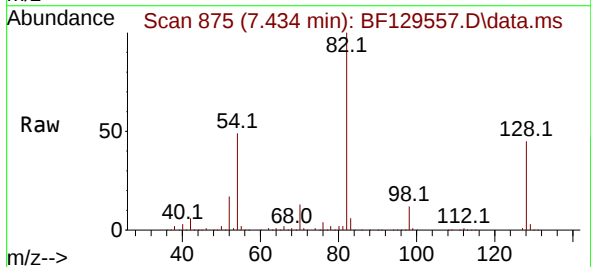
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.6	7.5	11.3
68	5.8	4.7	7.1

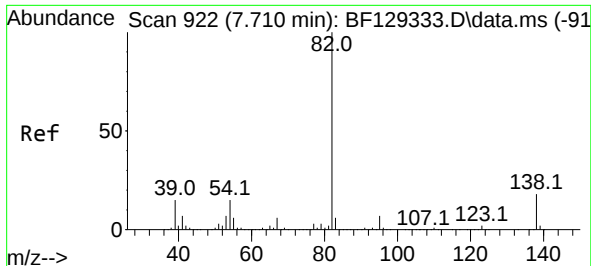


#23
Nitrobenzene-d5
Concen: 78.612 ng
RT: 7.434 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion: 82 Resp: 560623

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.0	51.0
54	49.4	46.9	70.3

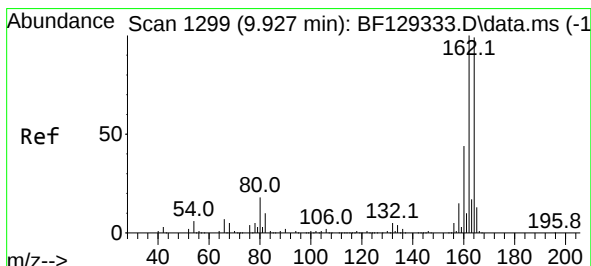
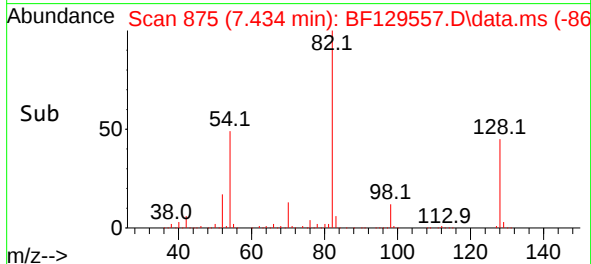
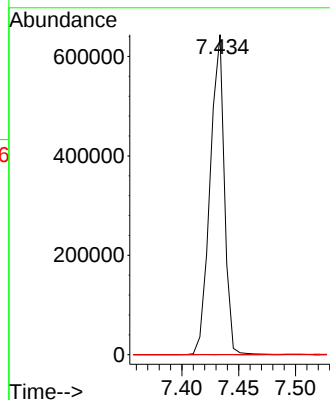
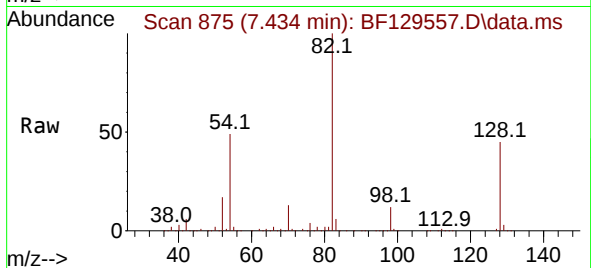




#25
Isophorone
Concen: 43.855 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

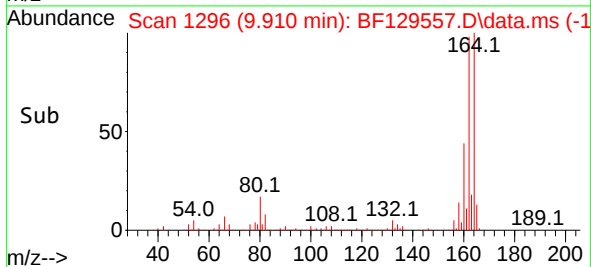
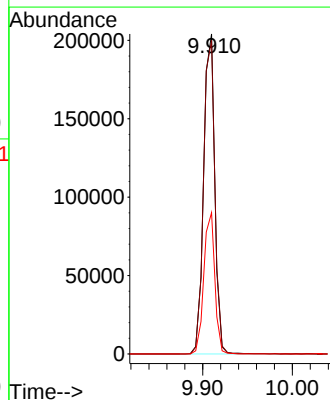
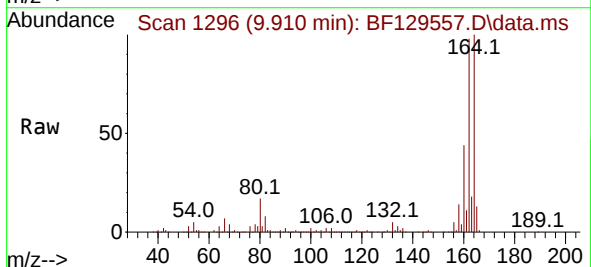
Instrument :
BNA_F
ClientSampleId :
TR-05-080222

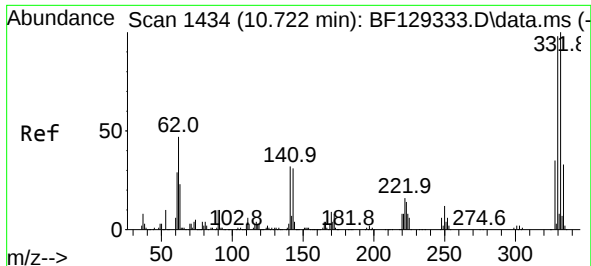
Tgt Ion: 82 Resp: 560610
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:164 Resp: 175753
Ion Ratio Lower Upper
164 100
162 98.0 79.5 119.3
160 44.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 113.120 ng

RT: 10.704 min Scan# 1431

Delta R.T. -0.006 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

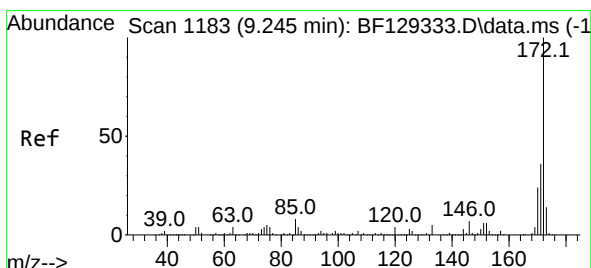
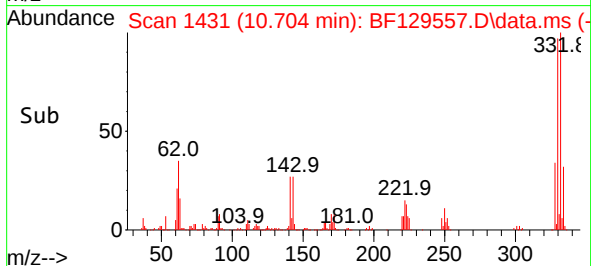
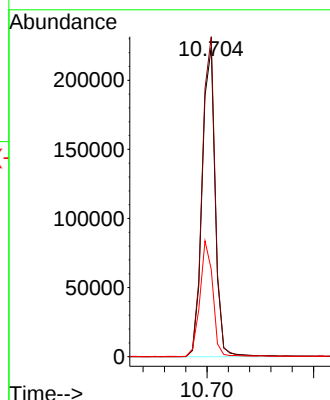
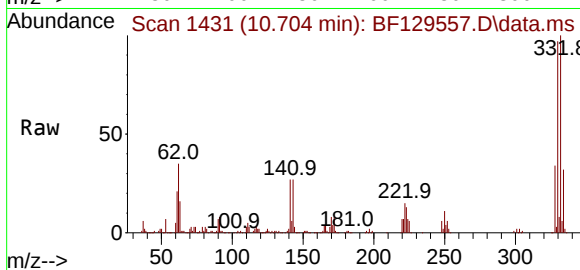
Tgt Ion:330 Resp: 191143

Ion Ratio Lower Upper

330 100

332 103.8 76.8 115.2

141 37.4 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 75.959 ng

RT: 9.222 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

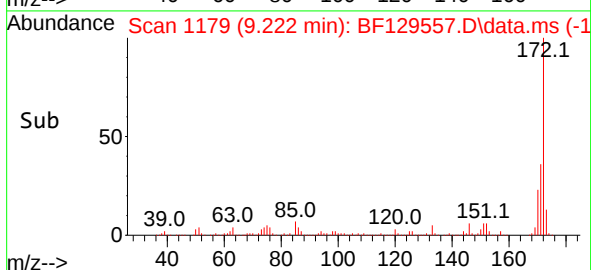
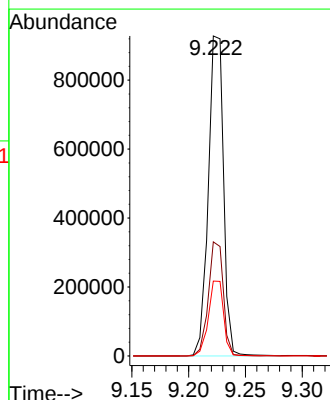
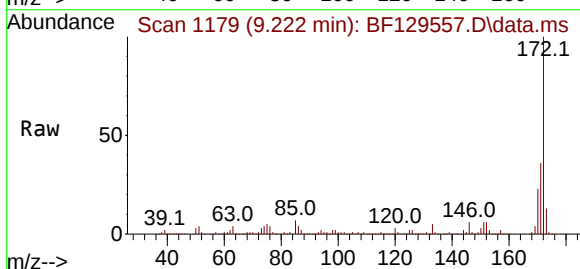
Tgt Ion:172 Resp: 862992

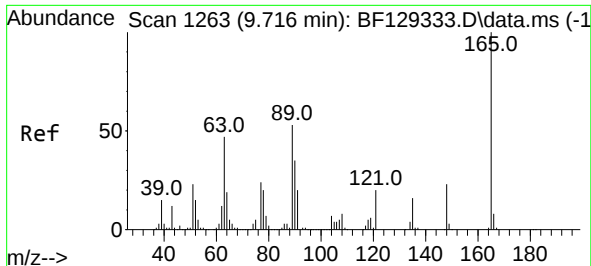
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.4 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.368 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.206 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

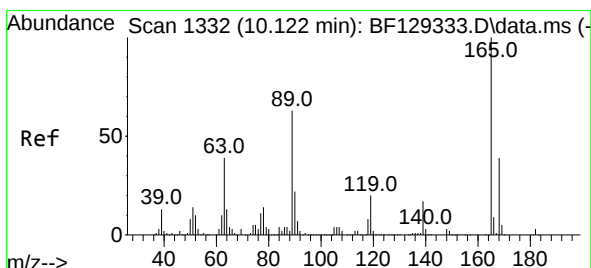
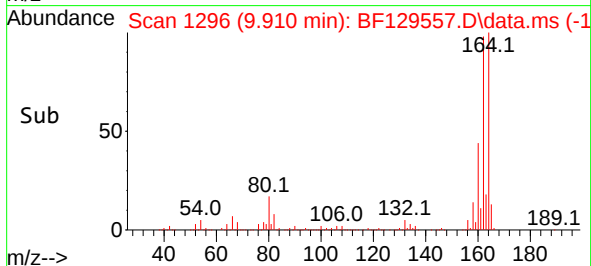
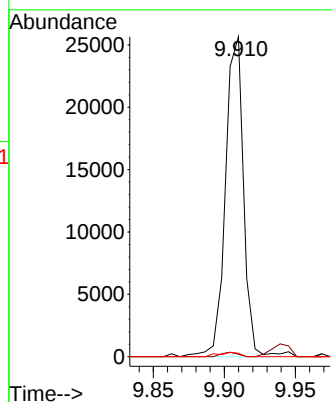
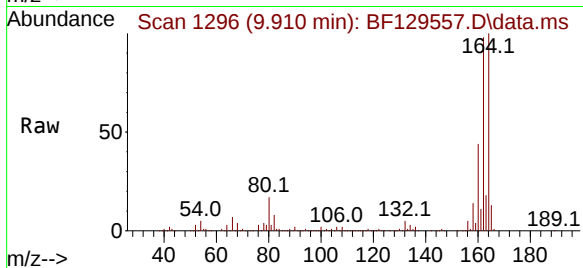
Tgt Ion:165 Resp: 22723

Ion Ratio Lower Upper

165 100

63 0.8 44.9 67.3#

89 1.1 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.405 ng

RT: 9.910 min Scan# 1296

Delta R.T. -0.200 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Tgt Ion:165 Resp: 22723

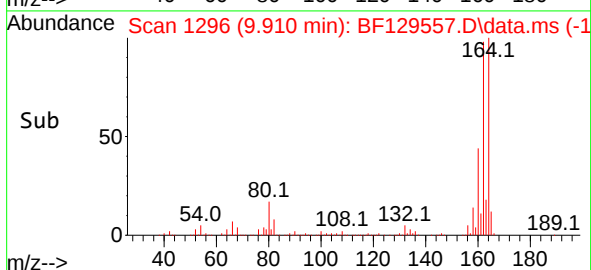
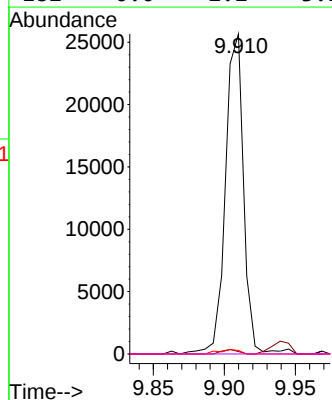
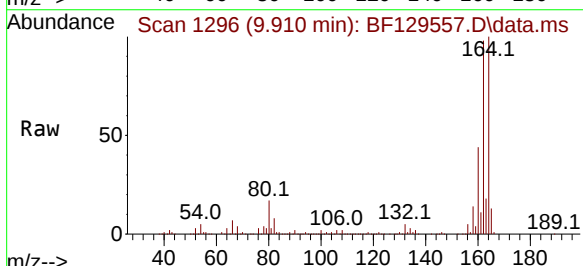
Ion Ratio Lower Upper

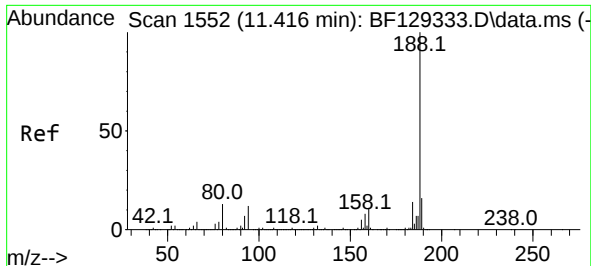
165 100

63 0.8 39.8 59.6#

89 1.1 60.2 90.2#

182 0.0 2.2 3.2#

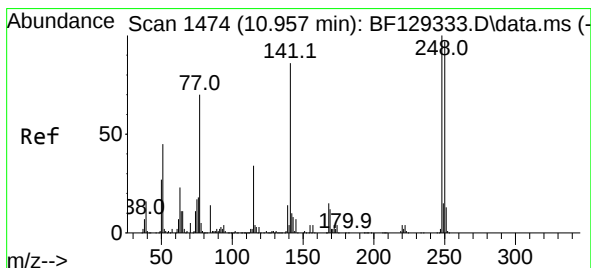
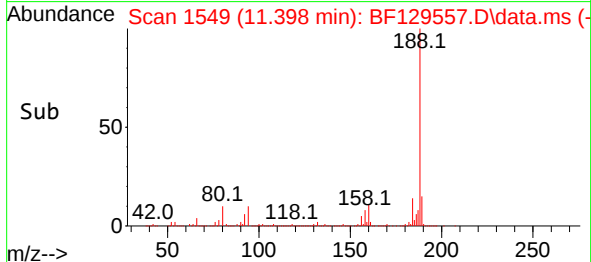
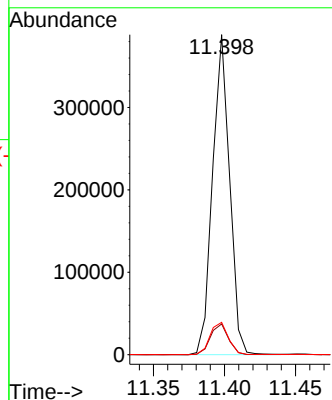
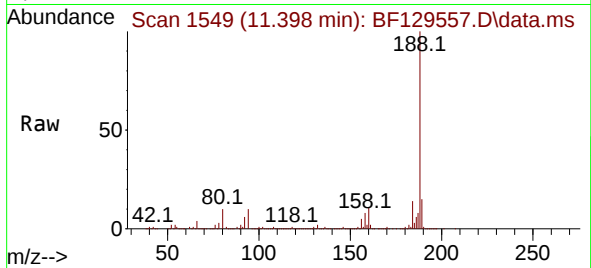




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

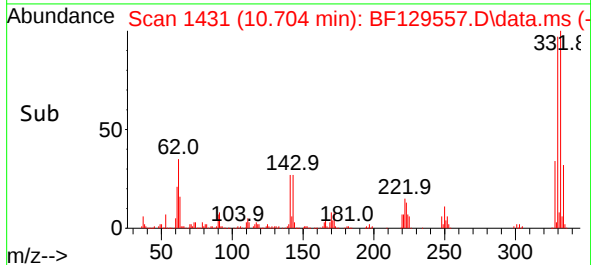
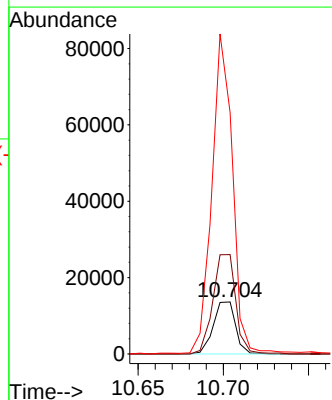
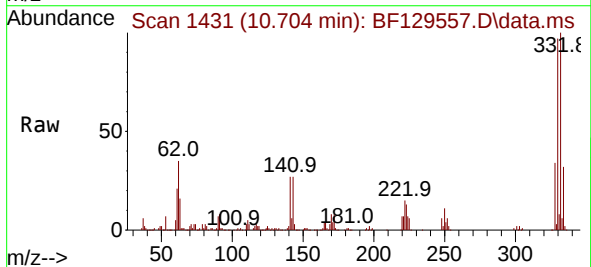
Instrument :
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TR-05-080222

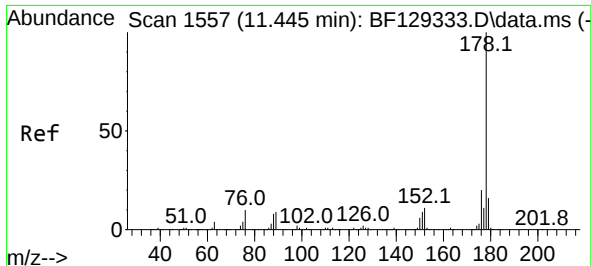
Tgt Ion:188 Resp: 323186
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.1 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.501 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.241 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:248 Resp: 12391
Ion Ratio Lower Upper
248 100
250 191.5 80.6 120.8#
141 464.7 58.9 88.3#

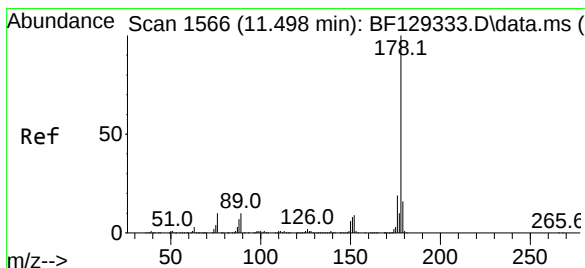
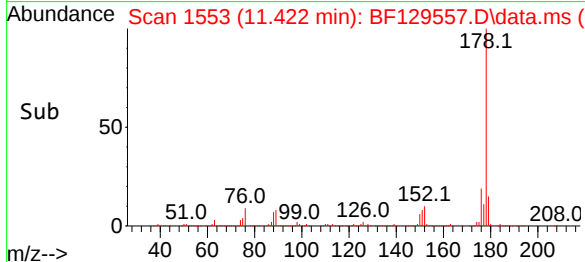
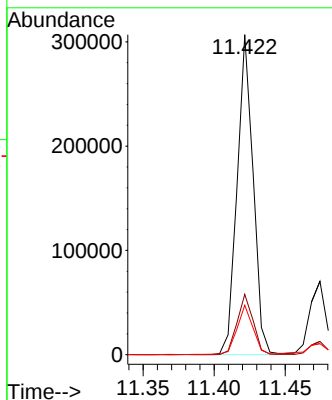
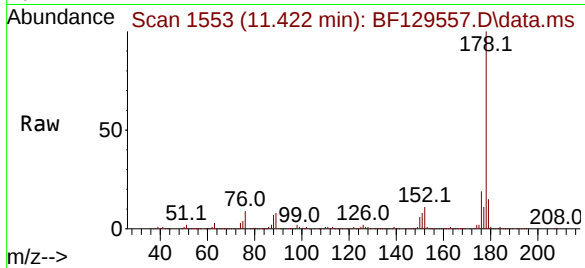




#71
Phenanthrene
Concen: 13.674 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

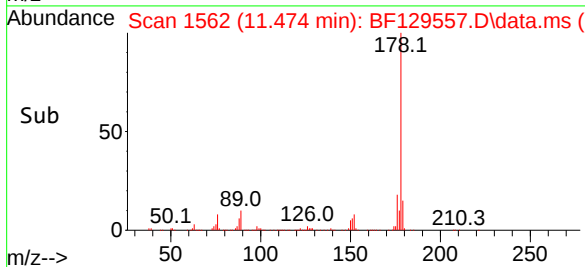
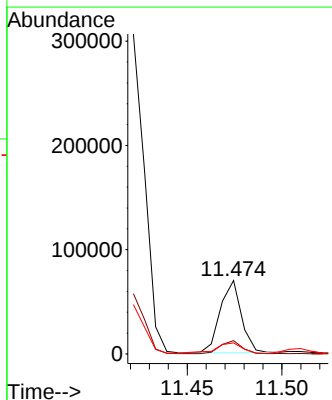
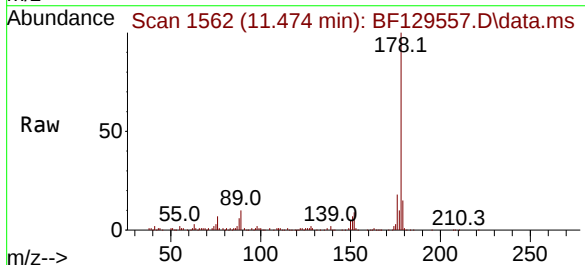
Instrument :
BNA_F
ClientSampleId :
TR-05-080222

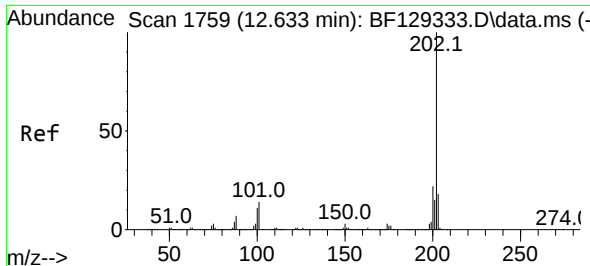
Tgt Ion:178 Resp: 241234
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.5 12.6 19.0



#72
Anthracene
Concen: 3.150 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:178 Resp: 54606
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.1 12.6 19.0

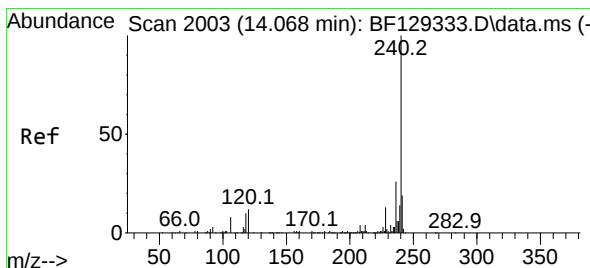
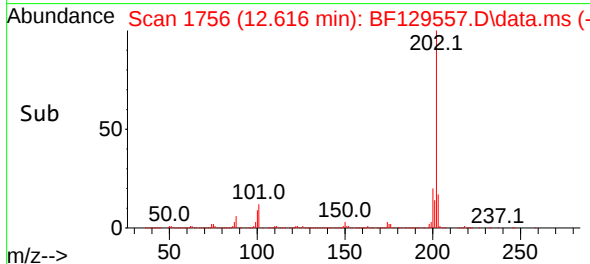
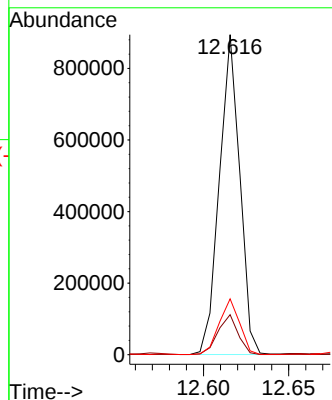
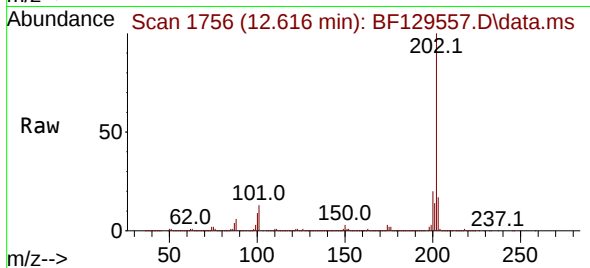




#75
Fluoranthene
Concen: 41.681 ng
RT: 12.616 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

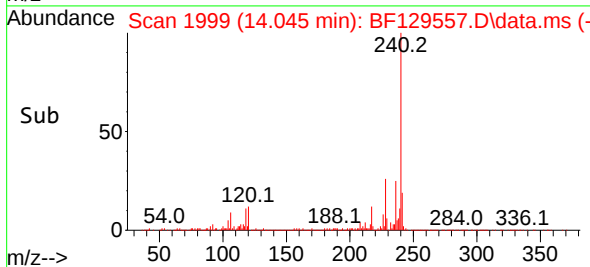
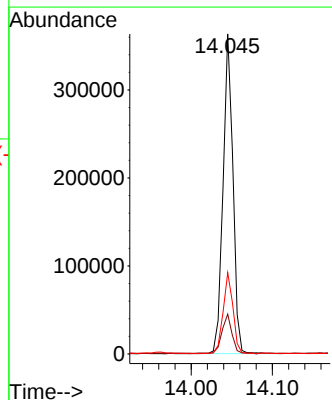
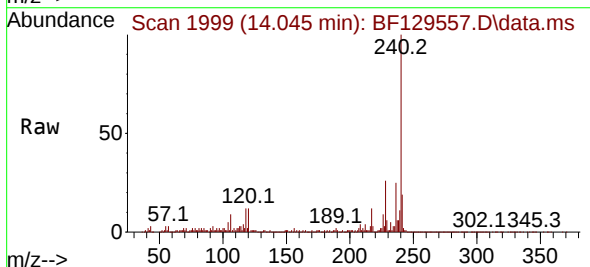
Instrument :
BNA_F
ClientSampleId :
TR-05-080222

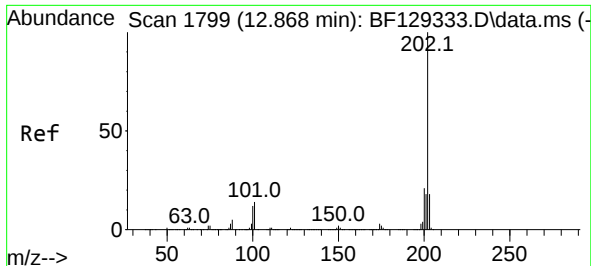
Tgt Ion:202 Resp: 745050
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.4
203 17.5 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:240 Resp: 309070
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 25.4 20.8 31.2

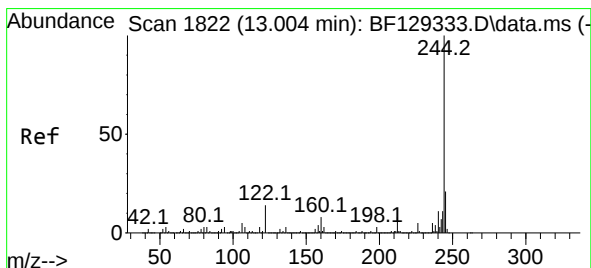
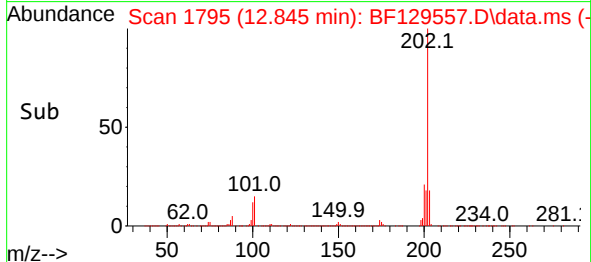
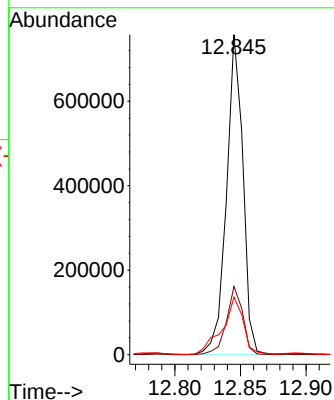
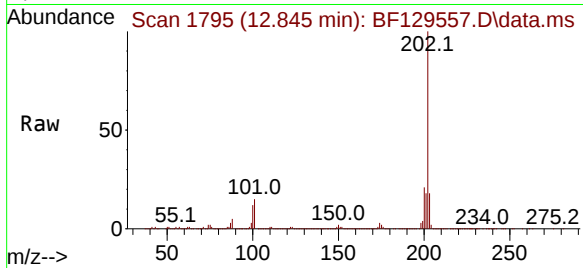




#78
Pyrene
Concen: 25.472 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

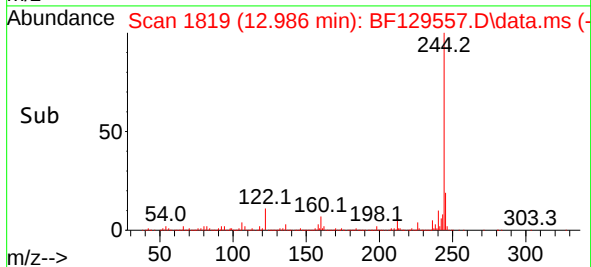
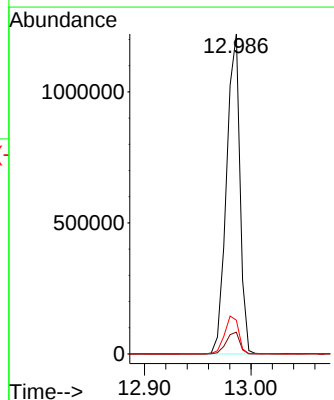
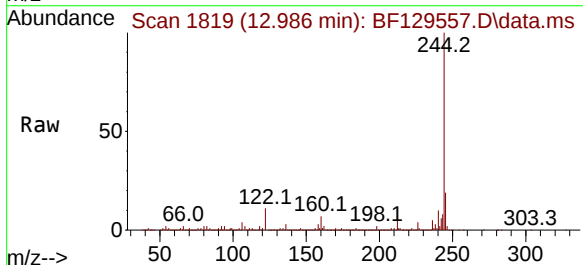
Instrument :
BNA_F
ClientSampleId :
TR-05-080222

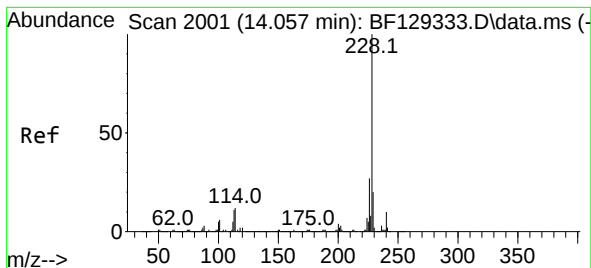
Tgt Ion:202 Resp: 658341
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 18.0 14.6 21.8



#79
Terphenyl-d14
Concen: 65.108 ng
RT: 12.986 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:244 Resp: 1066629
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 10.6 8.8 13.2





#81

Benzo(a)anthracene

Concen: 19.337 ng

RT: 14.033 min Scan# 1997

Delta R.T. -0.006 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

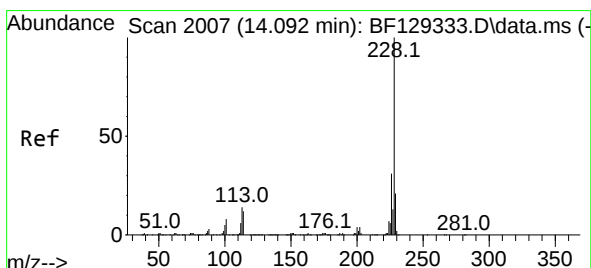
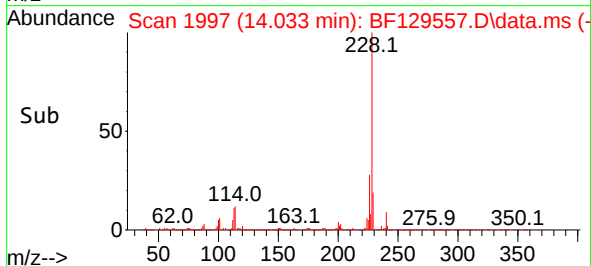
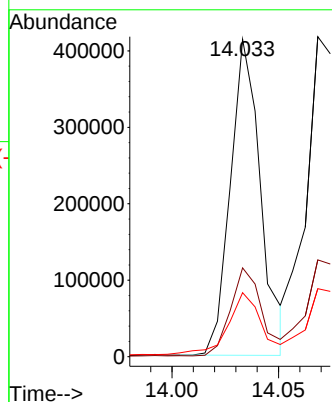
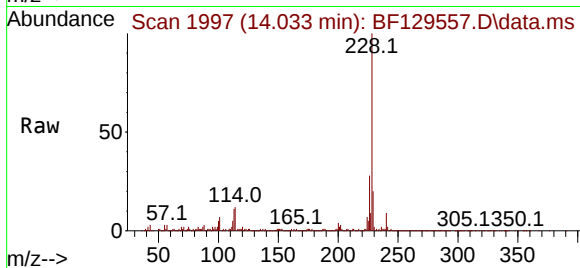
Tgt Ion:228 Resp: 408247

Ion Ratio Lower Upper

228 100

226 28.0 22.1 33.1

229 20.1 15.8 23.8



#83

Chrysene

Concen: 21.257 ng

RT: 14.068 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

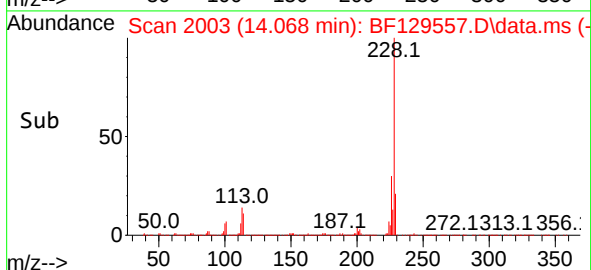
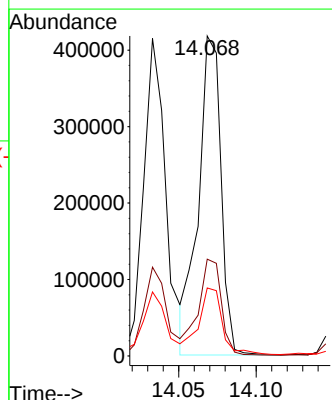
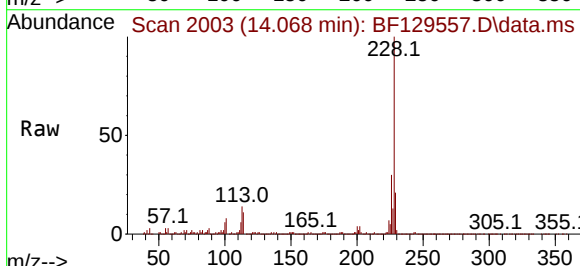
Tgt Ion:228 Resp: 422975

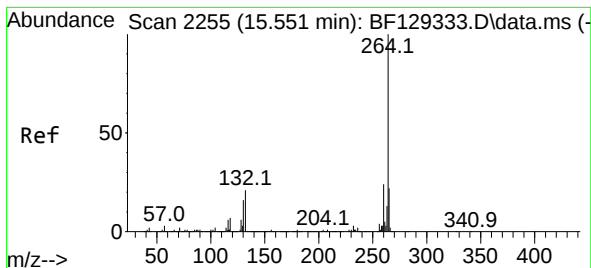
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 21.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

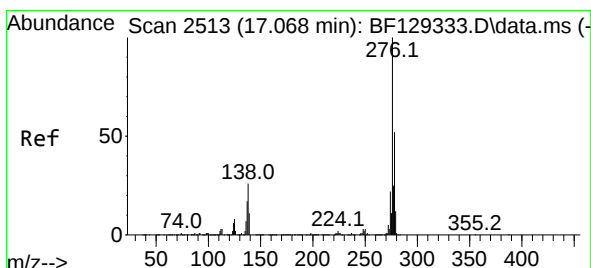
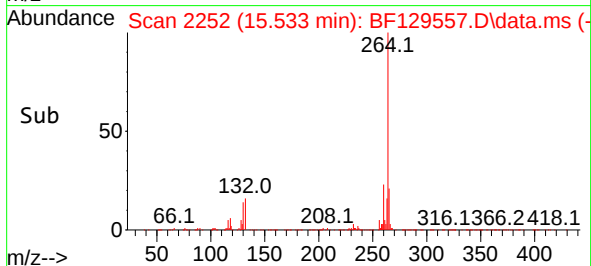
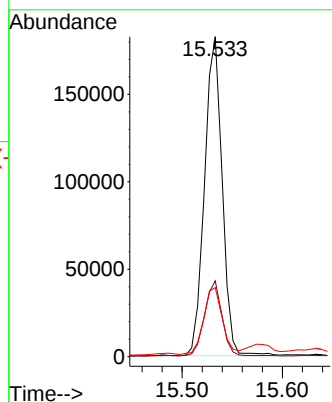
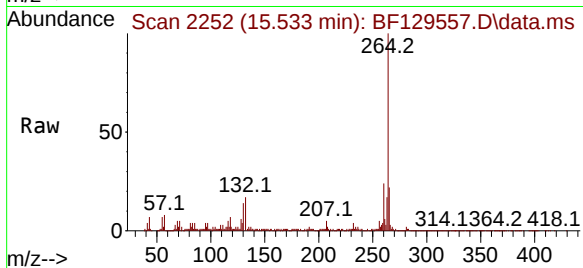
Tgt Ion:264 Resp: 223870

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.6 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.660 ng

RT: 17.027 min Scan# 2506

Delta R.T. -0.006 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

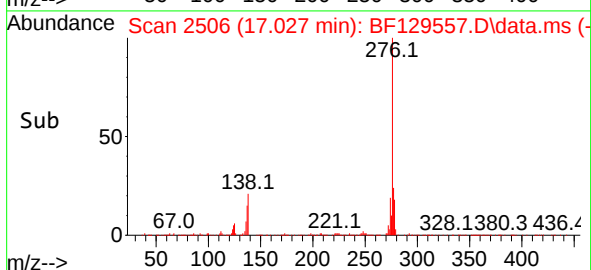
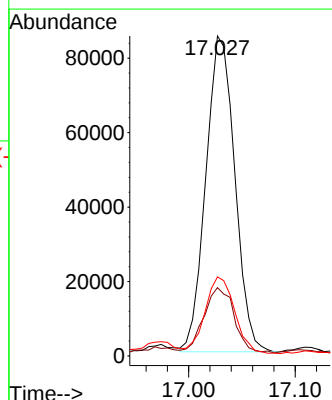
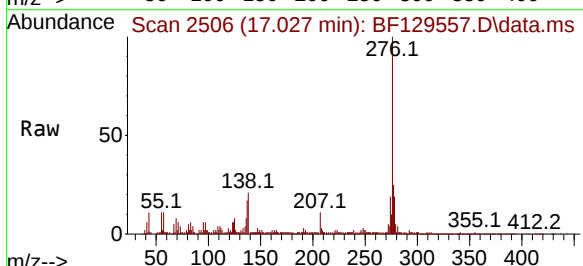
Tgt Ion:276 Resp: 160702

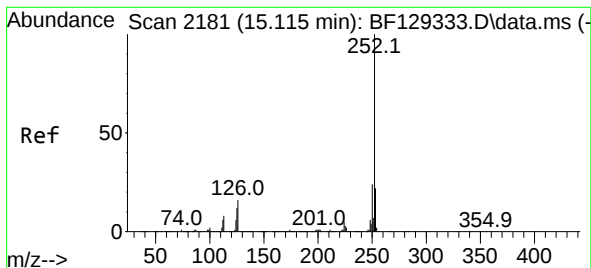
Ion Ratio Lower Upper

276 100

138 21.7 21.1 31.7

277 24.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 40.917 ng

RT: 15.098 min Scan# 2181

Delta R.T. 0.006 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

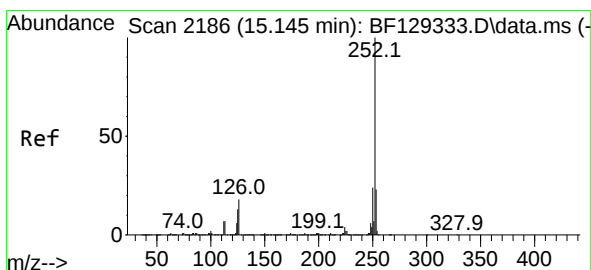
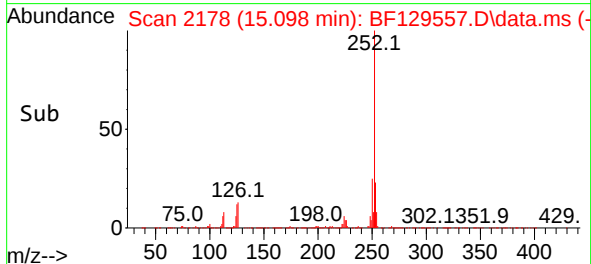
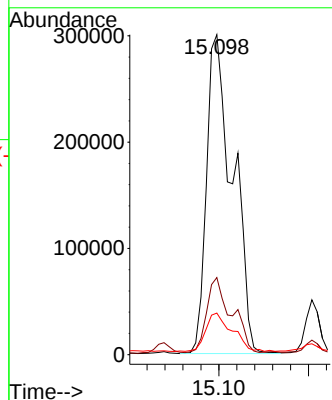
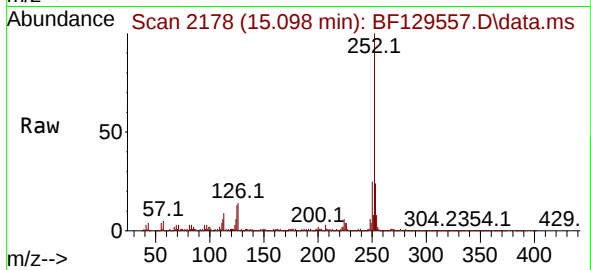
Tgt Ion:252 Resp: 607614

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 13.0 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 41.753 ng

RT: 15.098 min Scan# 2178

Delta R.T. -0.024 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

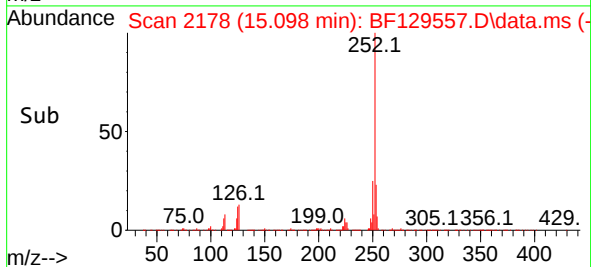
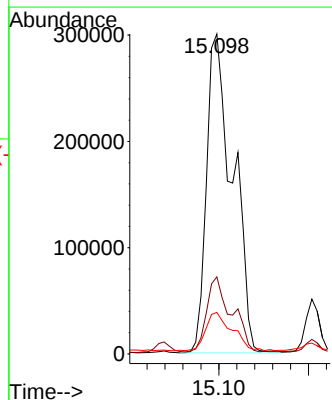
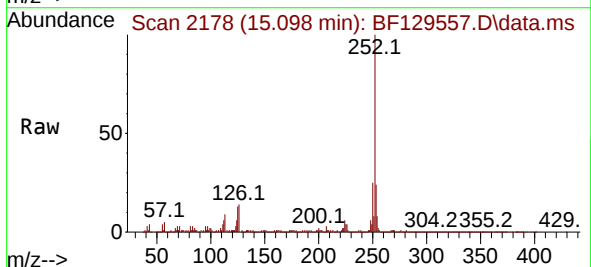
Tgt Ion:252 Resp: 607614

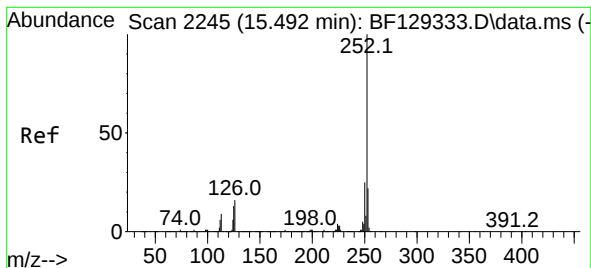
Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

125 13.0 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 23.206 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

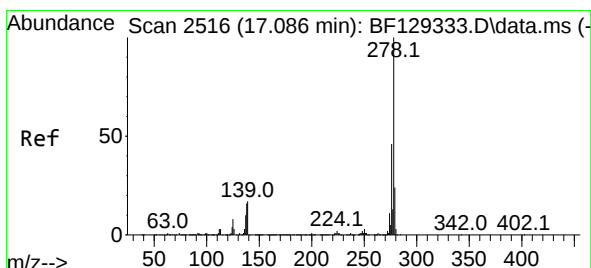
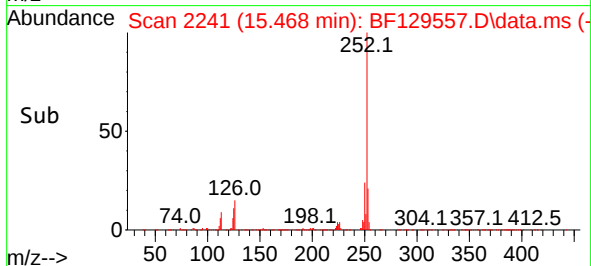
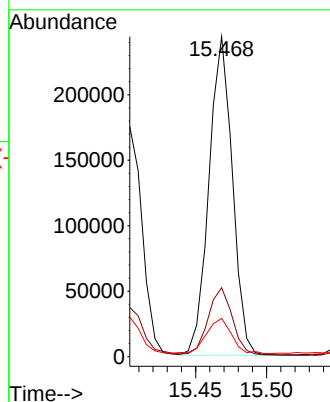
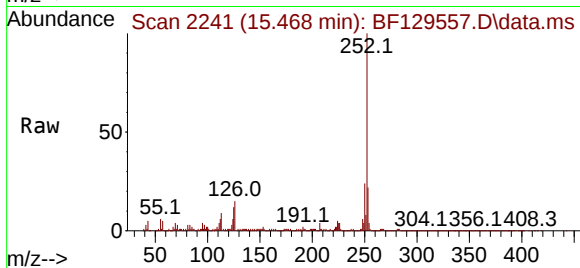
Tgt Ion:252 Resp: 279739

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

125 11.9 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 3.387 ng

RT: 17.039 min Scan# 2508

Delta R.T. -0.006 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

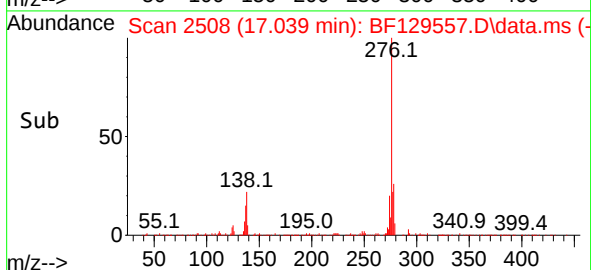
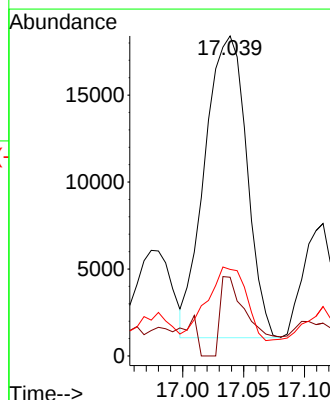
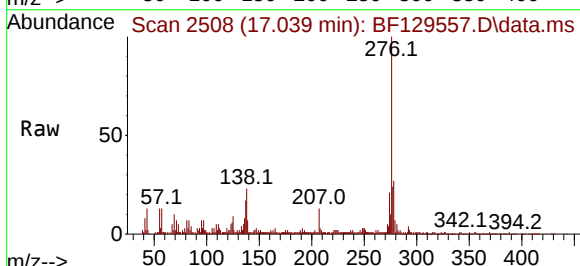
Tgt Ion:278 Resp: 41564

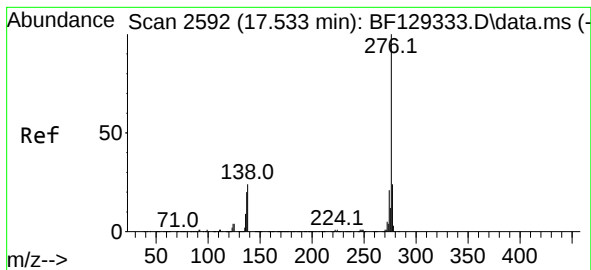
Ion Ratio Lower Upper

278 100

139 24.6 12.8 19.2#

279 27.0 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 12.159 ng

RT: 17.486 min Scan# 2584

Delta R.T. -0.006 min

Lab File: BF129557.D

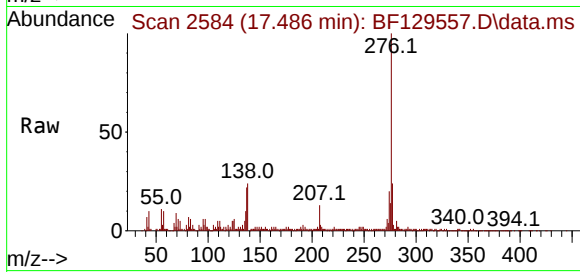
Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222



Tgt Ion:276 Resp: 152450

Ion Ratio Lower Upper

276 100

277 24.3 19.1 28.7

138 24.0 18.0 27.0

