

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129495.D
 Acq On : 02 Aug 2022 02:46
 Operator : CG\JU
 Sample : N3979-03 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0729

Quant Time: Aug 02 03:57:54 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)

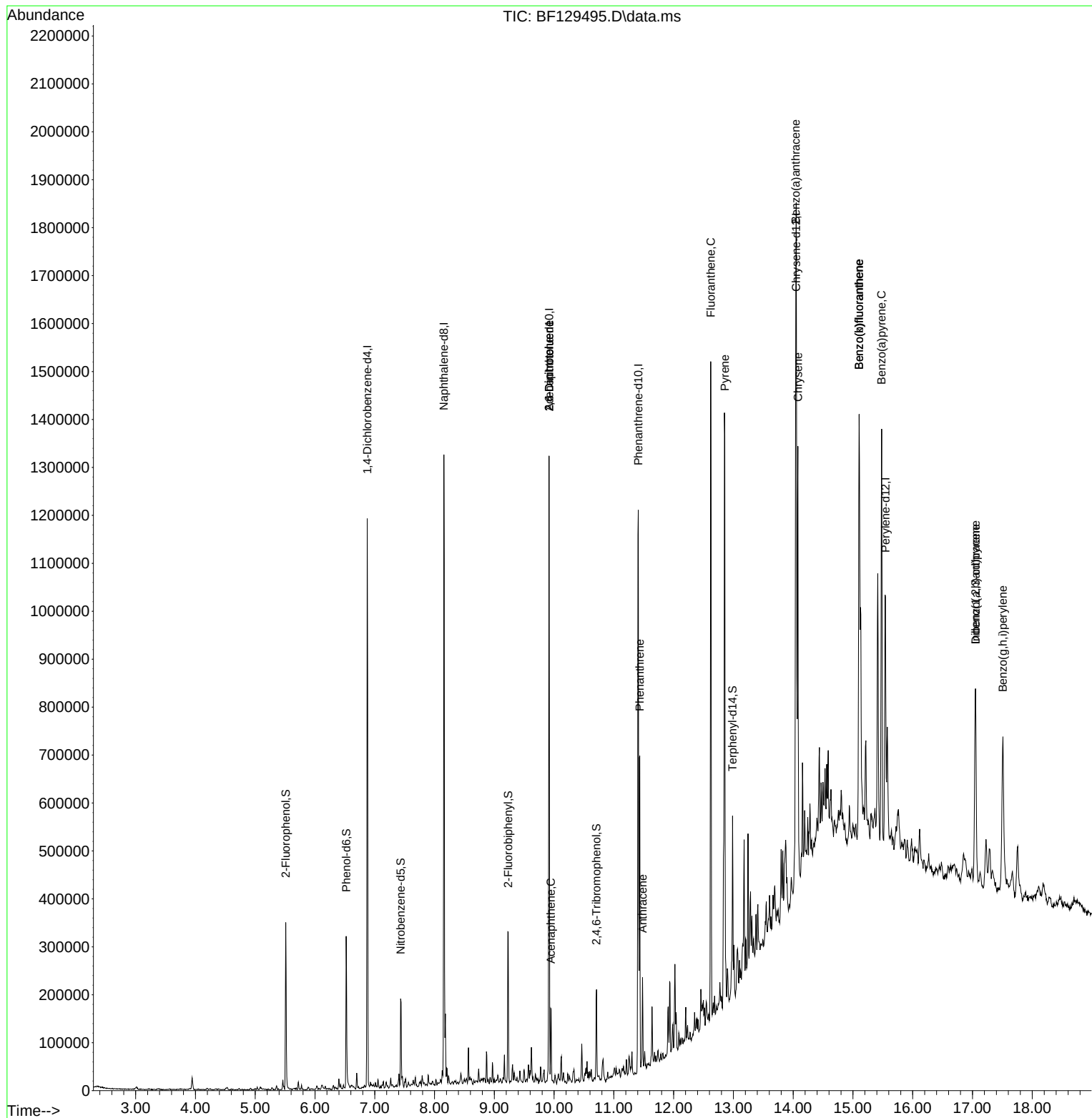
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	163574	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	554857	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	250005	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	437198	20.000	ng	0.00
76) Chrysene-d12	14.051	240	323500	20.000	ng	0.00
86) Perylene-d12	15.545	264	238140	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	93668	9.328	ng	0.00
7) Phenol-d6	6.522	99	105099	8.327	ng	0.00
23) Nitrobenzene-d5	7.434	82	55911	5.501	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	19124	7.956	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	98604	6.101	ng	0.00
79) Terphenyl-d14	12.986	244	107214	6.252	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.916	165	32495	8.412	ng	# 26
52) Acenaphthene	9.945	154	31550	2.155	ng	96
57) 2,4-Dinitrotoluene	9.916	165	32495	6.439	ng	# 21
71) Phenanthrene	11.433	178	247933	10.389	ng	97
72) Anthracene	11.480	178	67896	2.895	ng	100
75) Fluoranthene	12.621	202	521621	21.571	ng	99
78) Pyrene	12.857	202	525102	19.411	ng	98
81) Benzo(a)anthracene	14.045	228	361028	16.337	ng	99
83) Chrysene	14.080	228	355866	17.087	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	267670	16.691	ng	95
88) Benzo(b)fluoranthene	15.104	252	690042	43.683	ng	98
89) Benzo(k)fluoranthene	15.104	252	690042	44.576	ng	98
90) Benzo(a)pyrene	15.480	252	398181	31.051	ng	97
91) Dibenzo(a,h)anthracene	17.051	278	70208	5.379	ng	# 88
92) Benzo(g,h,i)perylene	17.509	276	272770	20.452	ng	98

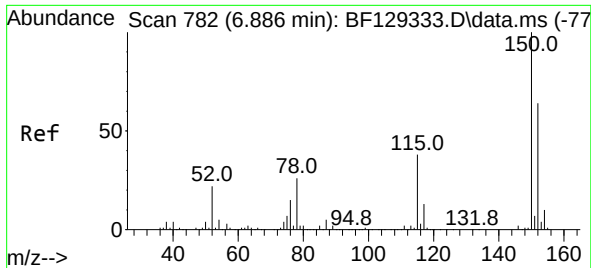
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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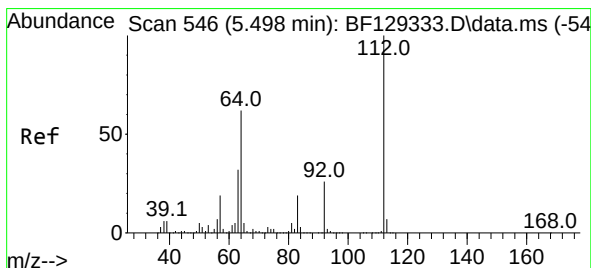
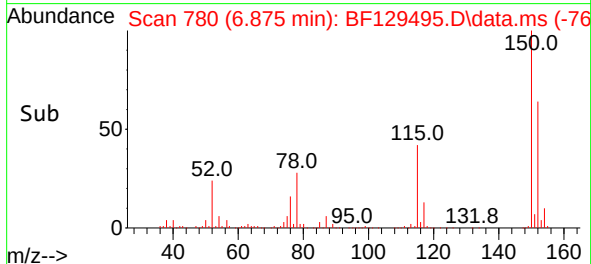
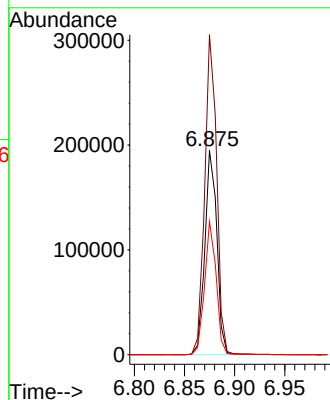
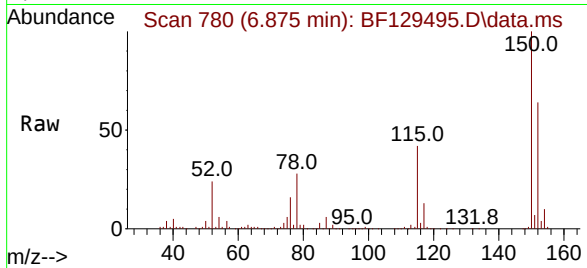




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF129495.D
 Acq: 02 Aug 2022 02:46

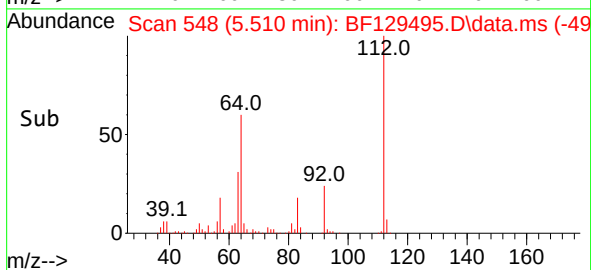
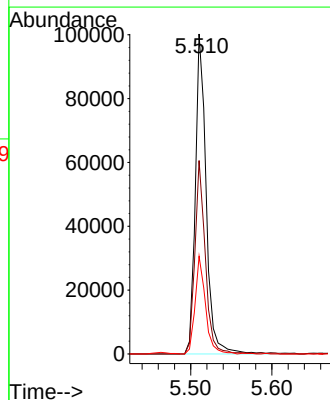
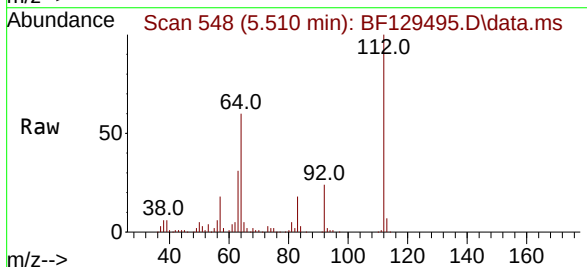
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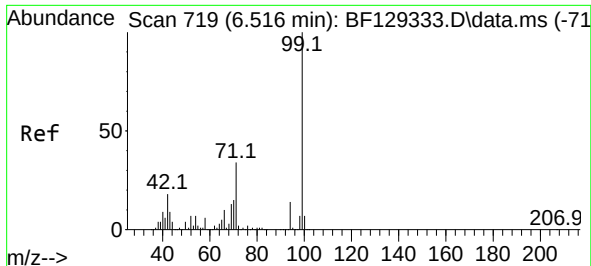
Tgt Ion:152 Resp: 163574
 Ion Ratio Lower Upper
 152 100
 150 156.8 123.7 185.5
 115 65.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 9.328 ng
 RT: 5.510 min Scan# 548
 Delta R.T. 0.006 min
 Lab File: BF129495.D
 Acq: 02 Aug 2022 02:46

Tgt Ion:112 Resp: 93668
 Ion Ratio Lower Upper
 112 100
 64 60.5 53.3 79.9
 63 30.6 28.0 42.0

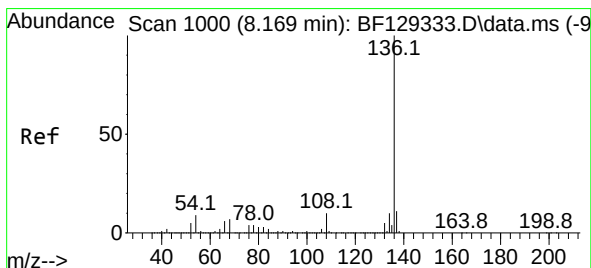
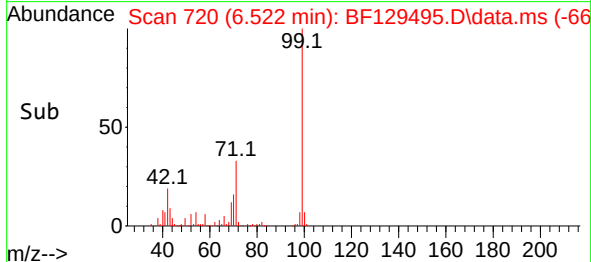
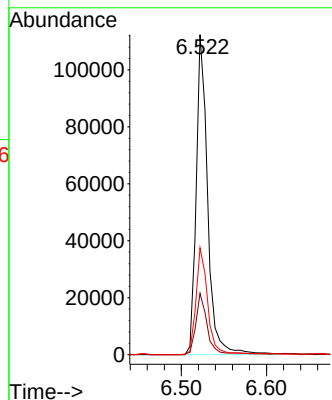
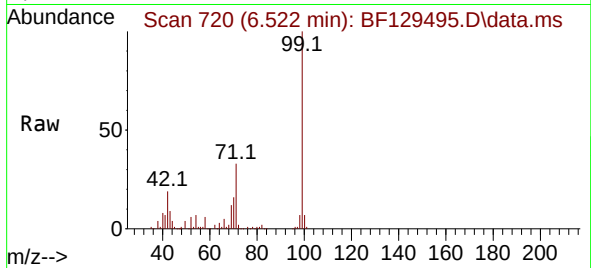




#7
Phenol-d6
Concen: 8.327 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

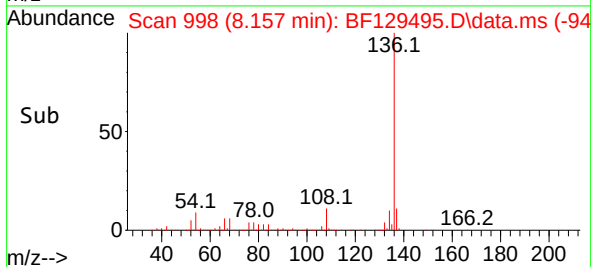
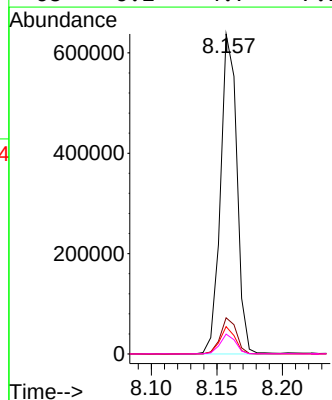
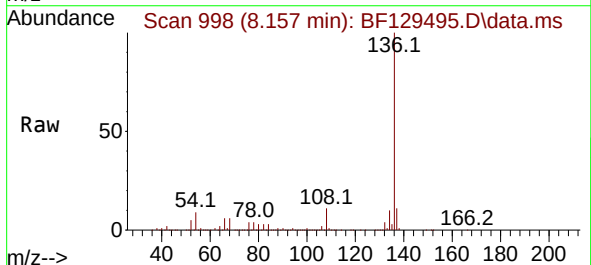
Instrument :
BNA_F
ClientSampleId :
TP2-0729

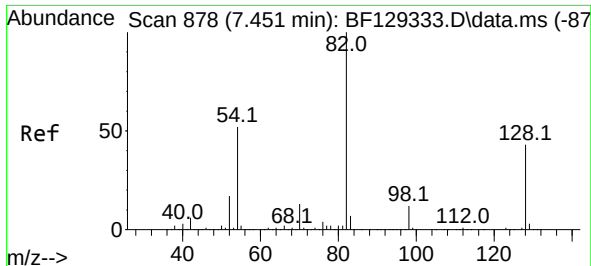
Tgt Ion: 99 Resp: 105099
Ion Ratio Lower Upper
99 100
42 19.1 17.3 25.9
71 33.4 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

Tgt Ion: 136 Resp: 554857
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.6 7.5 11.3
68 6.2 4.7 7.1

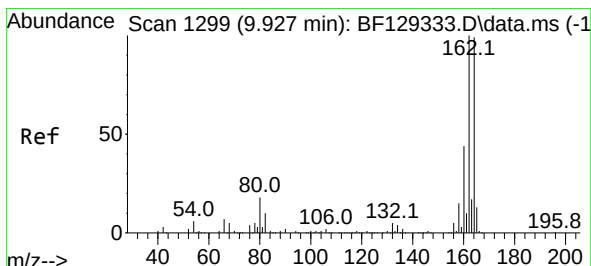
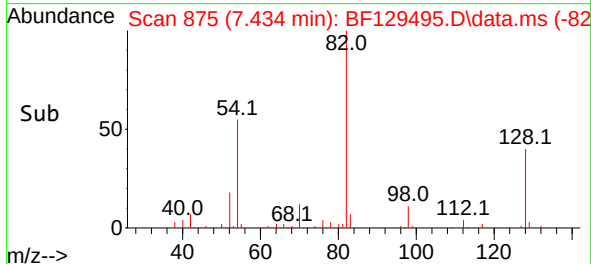
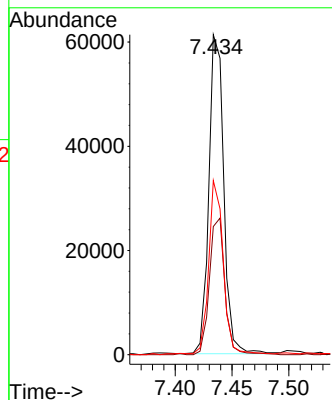
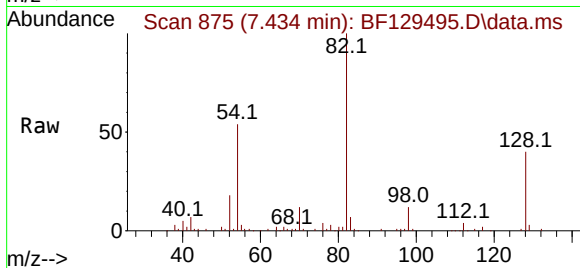




#23
Nitrobenzene-d5
Concen: 5.501 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

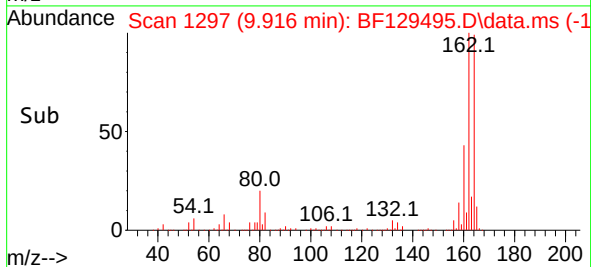
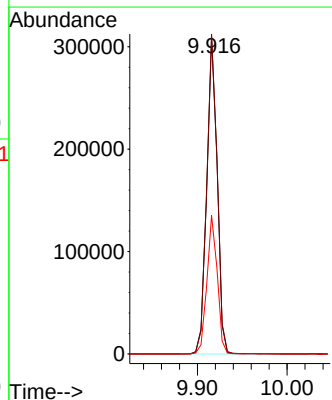
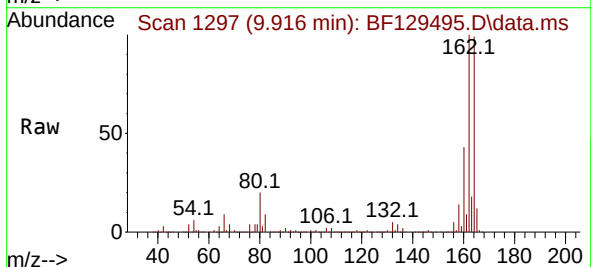
Instrument :
BNA_F
ClientSampleId :
TP2-0729

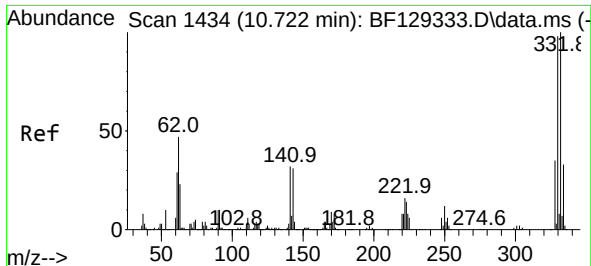
Tgt Ion: 82 Resp: 55911
Ion Ratio Lower Upper
82 100
128 40.1 34.0 51.0
54 54.4 46.9 70.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

Tgt Ion: 164 Resp: 250005
Ion Ratio Lower Upper
164 100
162 100.8 79.5 119.3
160 43.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 7.956 ng

RT: 10.710 min Scan# 1434

Delta R.T. -0.000 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

Instrument :

BNA_F

ClientSampleId :

TP2-0729

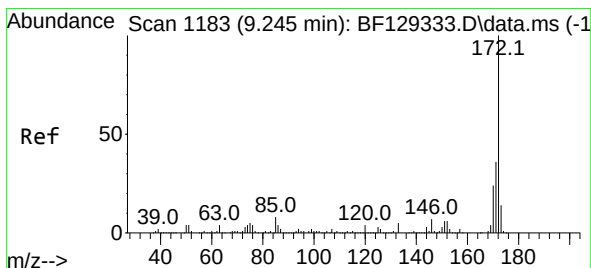
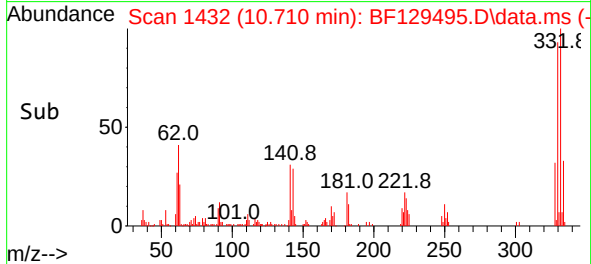
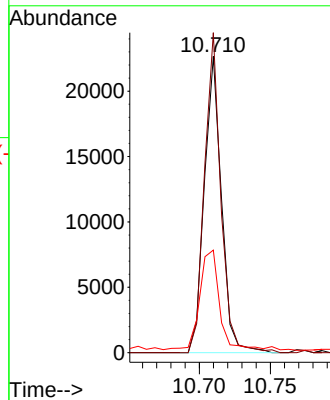
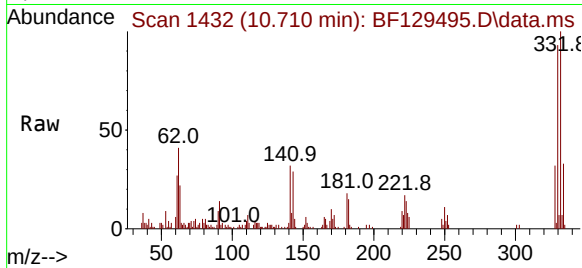
Tgt Ion:330 Resp: 19124

Ion Ratio Lower Upper

330 100

332 103.0 76.8 115.2

141 39.5 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 6.101 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

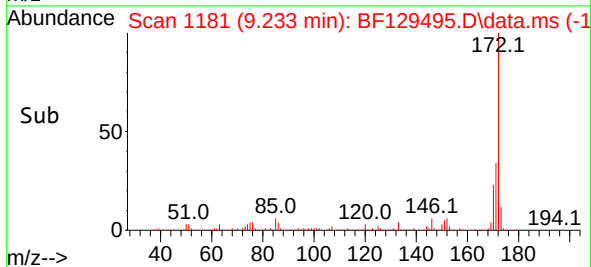
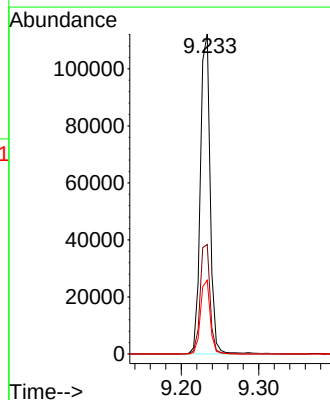
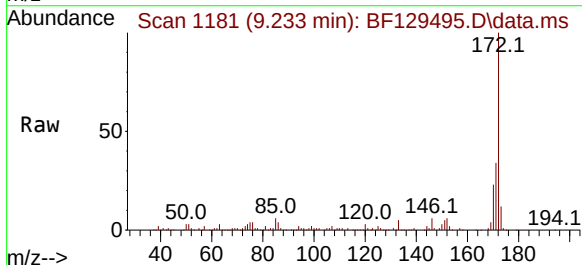
Tgt Ion:172 Resp: 98604

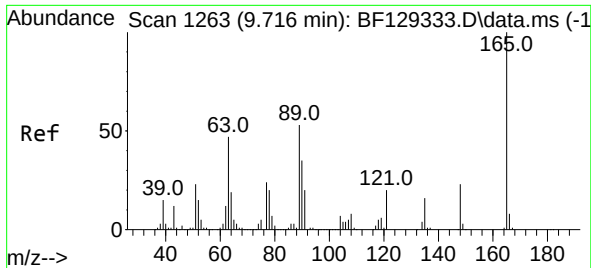
Ion Ratio Lower Upper

172 100

171 34.2 28.8 43.2

170 23.1 19.8 29.8

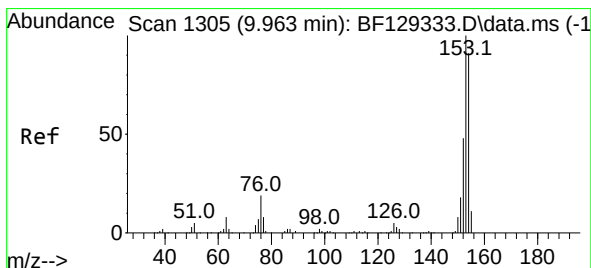
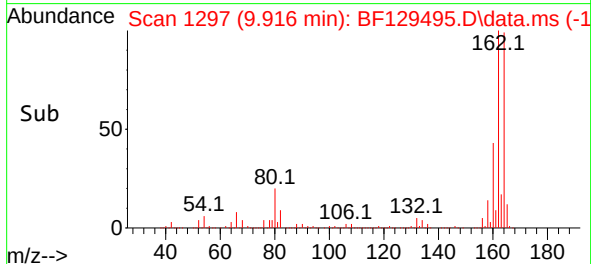
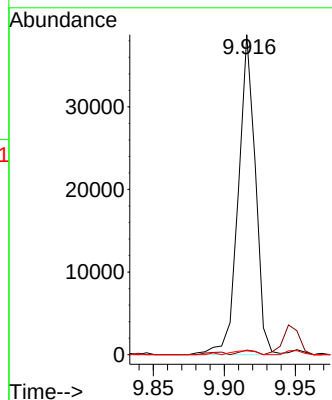
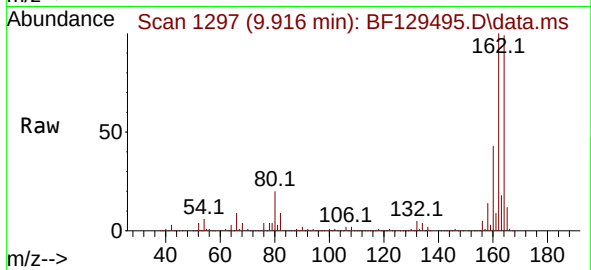




#51
2,6-Dinitrotoluene
Concen: 8.412 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

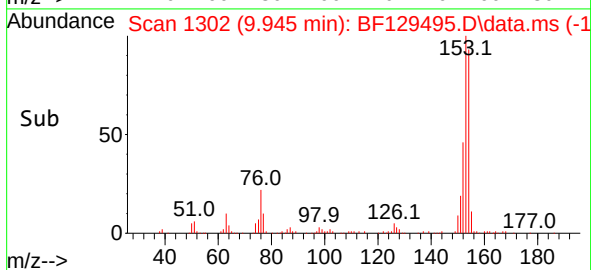
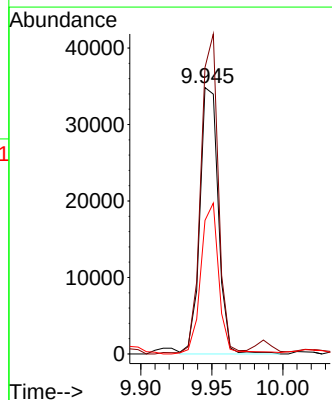
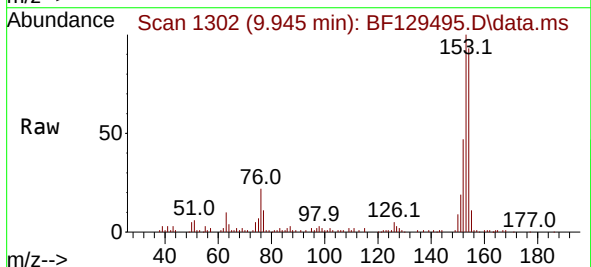
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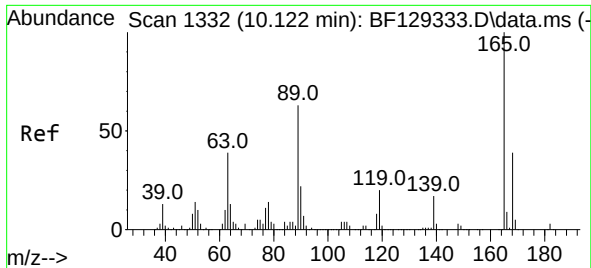
Tgt Ion:165 Resp: 32495
Ion Ratio Lower Upper
165 100
63 1.5 44.9 67.3#
89 1.2 43.6 65.4#



#52
Acenaphthene
Concen: 2.155 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

Tgt Ion:154 Resp: 31550
Ion Ratio Lower Upper
154 100
153 107.5 89.6 134.4
152 50.1 42.4 63.6

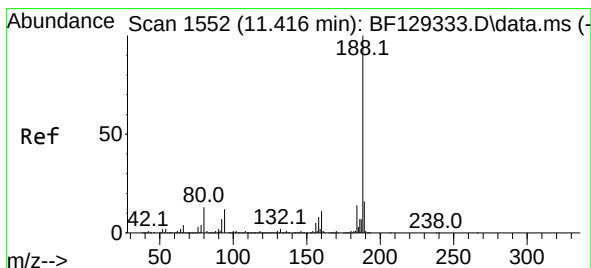
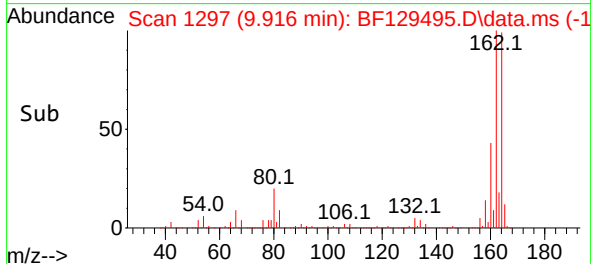
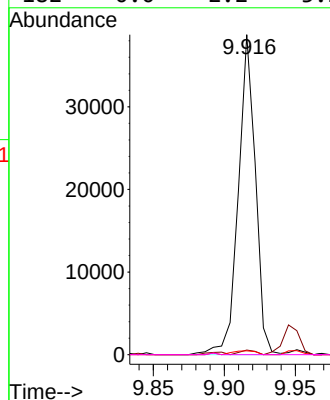
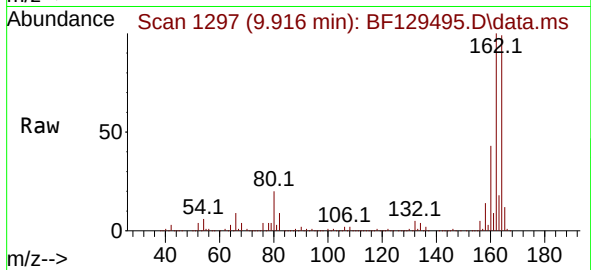




#57
2,4-Dinitrotoluene
Concen: 6.439 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

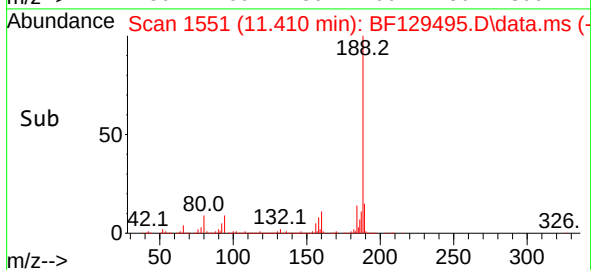
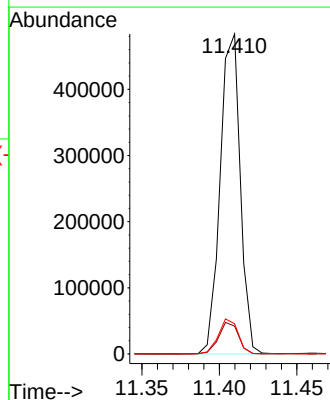
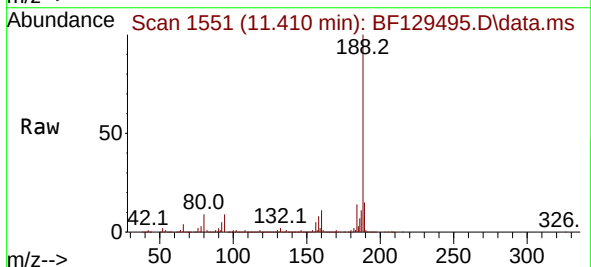
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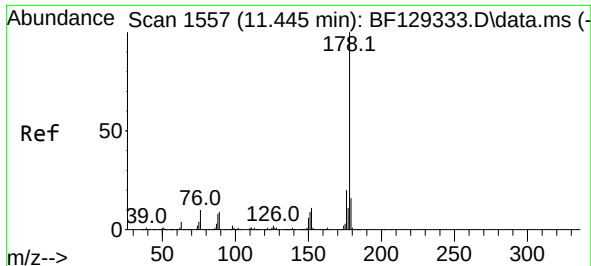
Tgt Ion:165 Resp: 32495
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 1.2 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

Tgt Ion:188 Resp: 437198
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 9.5 7.6 11.4

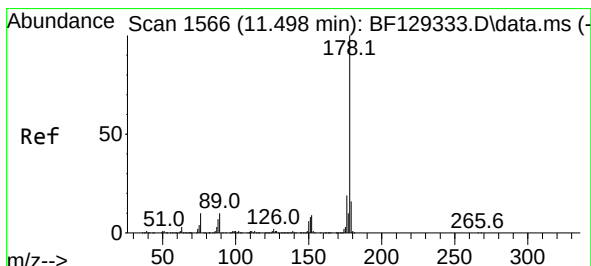
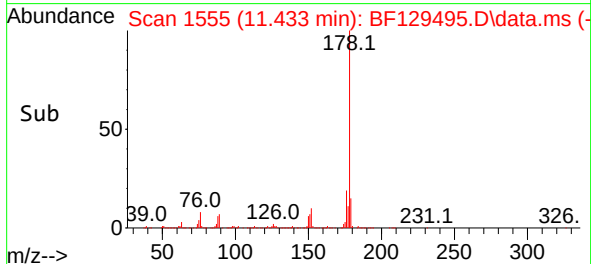
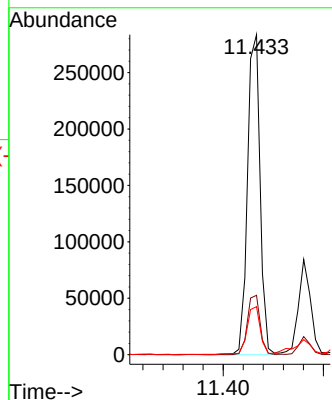
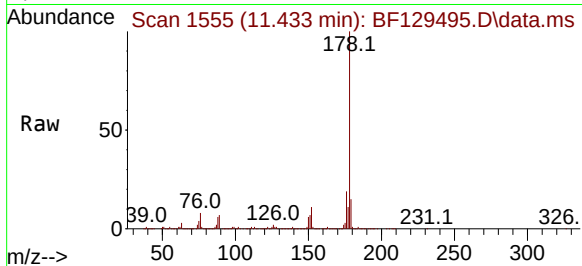




#71
Phenanthrene
Concen: 10.389 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

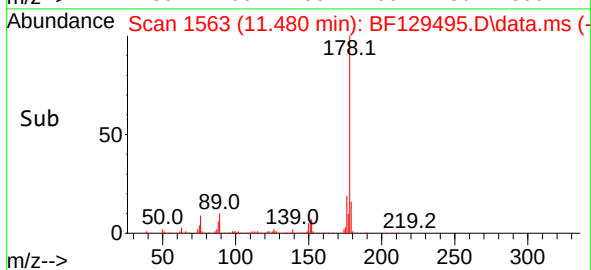
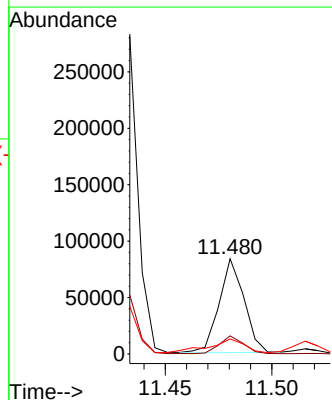
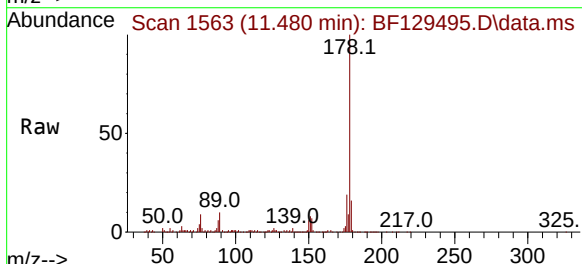
Instrument :
BNA_F
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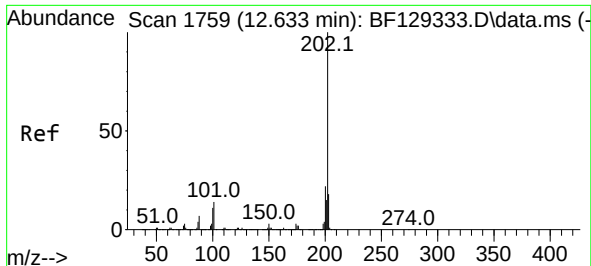
Tgt Ion:178 Resp: 247933
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.0 12.6 19.0



#72
Anthracene
Concen: 2.895 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.000 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

Tgt Ion:178 Resp: 67896
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.9 12.6 19.0

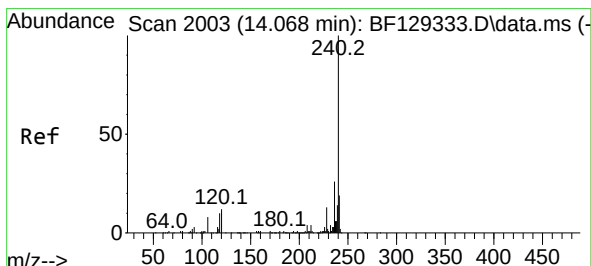
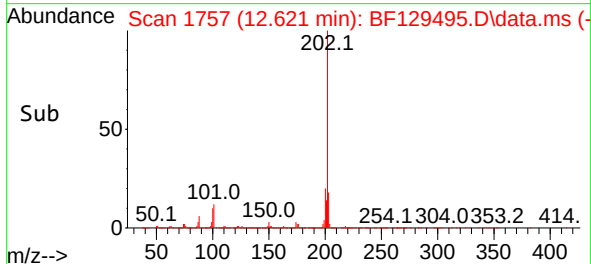
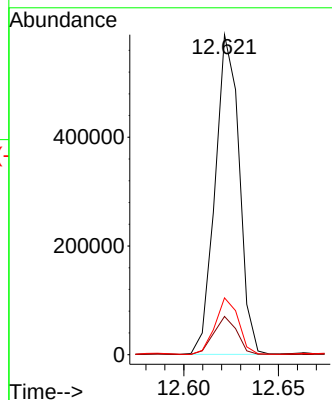
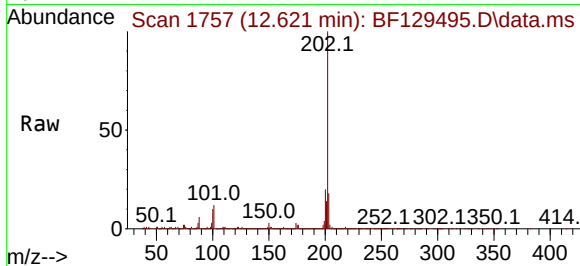




#75
Fluoranthene
Concen: 21.571 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

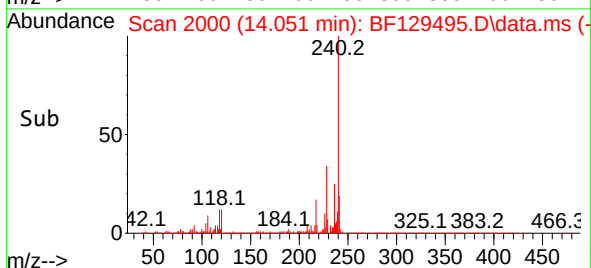
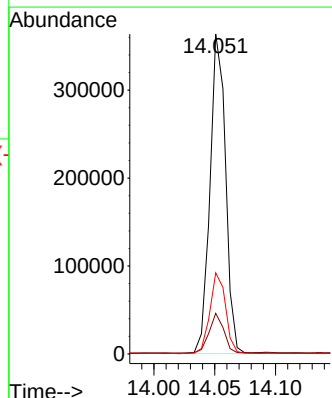
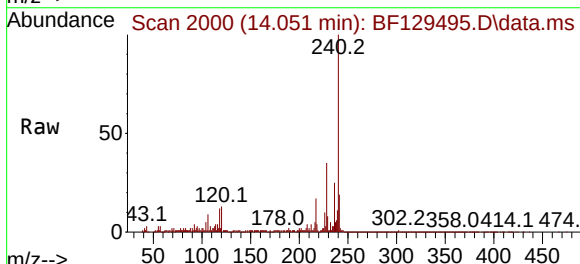
Instrument :
BNA_F
ClientSampleId :
TP2-0729

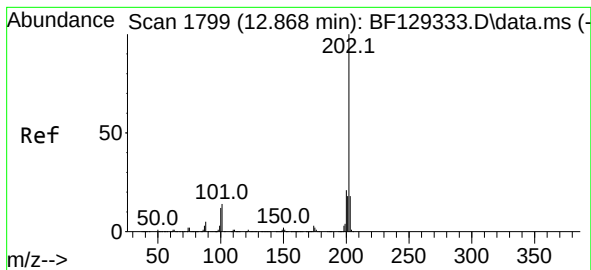
Tgt Ion:202 Resp: 521621
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.4
203 17.8 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF129495.D
Acq: 02 Aug 2022 02:46

Tgt Ion:240 Resp: 323500
Ion Ratio Lower Upper
240 100
120 12.7 8.9 13.3
236 25.4 20.8 31.2





#78

Pyrene

Concen: 19.411 ng

RT: 12.857 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

Instrument :

BNA_F

ClientSampleId :

TP2-0729

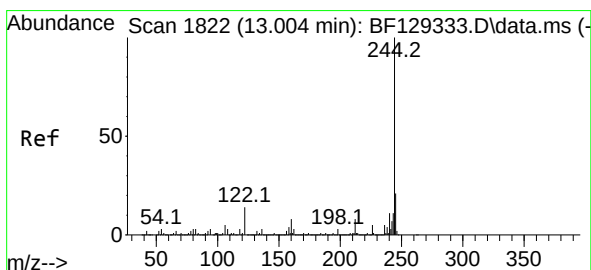
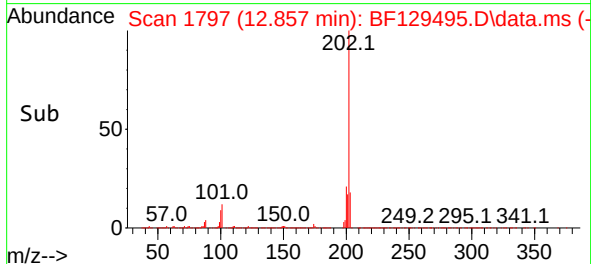
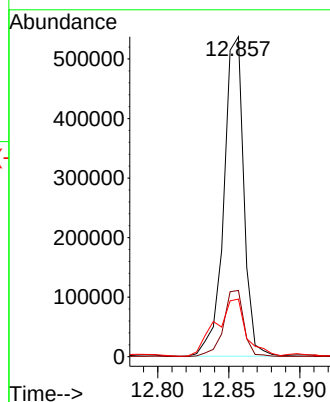
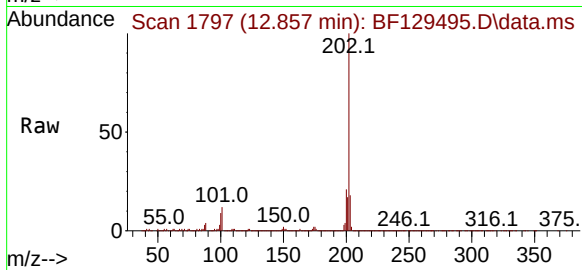
Tgt Ion:202 Resp: 525102

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

203 18.0 14.6 21.8



#79

Terphenyl-d14

Concen: 6.252 ng

RT: 12.986 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

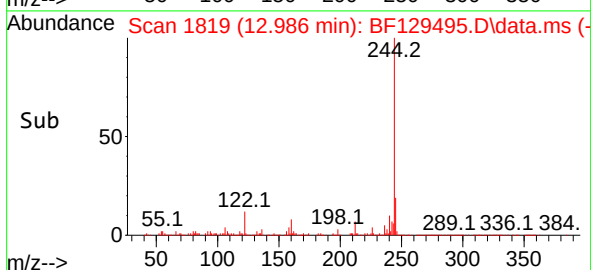
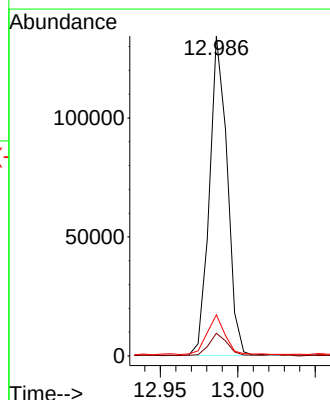
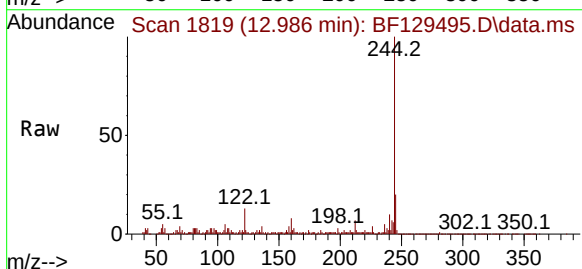
Tgt Ion:244 Resp: 107214

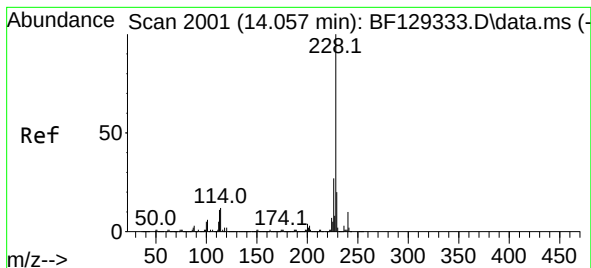
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 12.9 8.8 13.2





#81

Benzo(a)anthracene

Concen: 16.337 ng

RT: 14.045 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

Instrument :

BNA_F

ClientSampleId :

TP2-0729

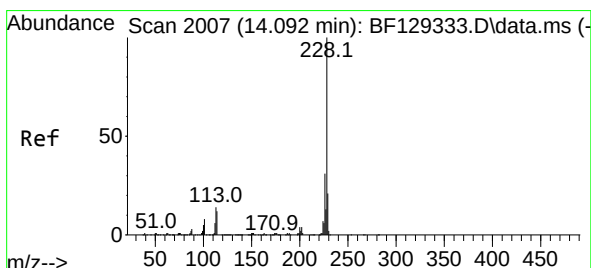
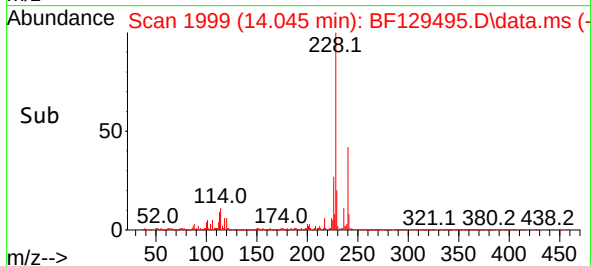
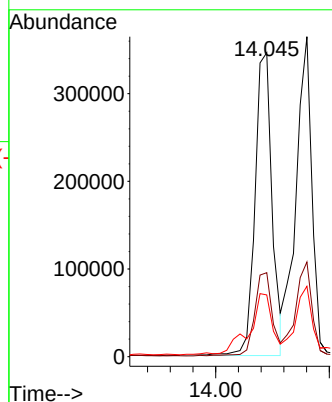
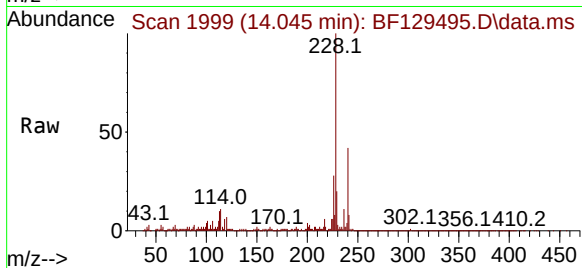
Tgt Ion:228 Resp: 361028

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

229 20.3 15.8 23.8



#83

Chrysene

Concen: 17.087 ng

RT: 14.080 min Scan# 2005

Delta R.T. 0.006 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

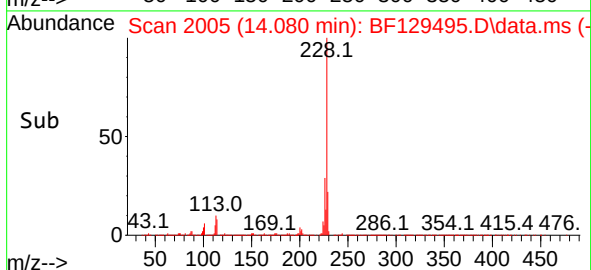
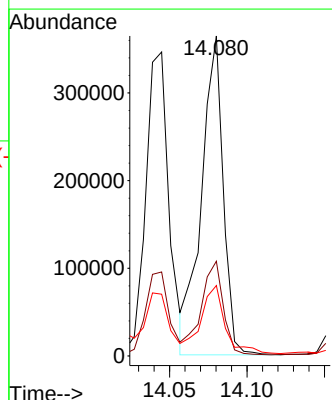
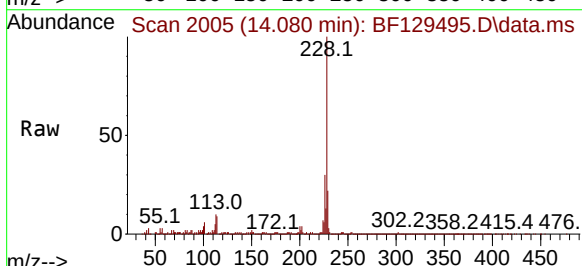
Tgt Ion:228 Resp: 355866

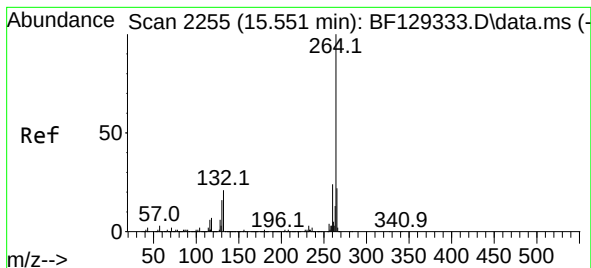
Ion Ratio Lower Upper

228 100

226 29.6 24.3 36.5

229 22.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

Instrument :

BNA_F

ClientSampleId :

TP2-0729

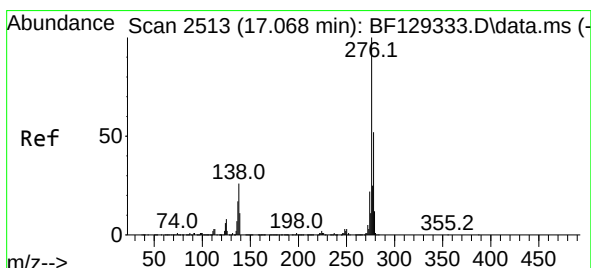
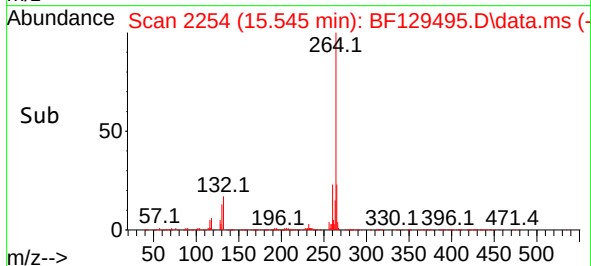
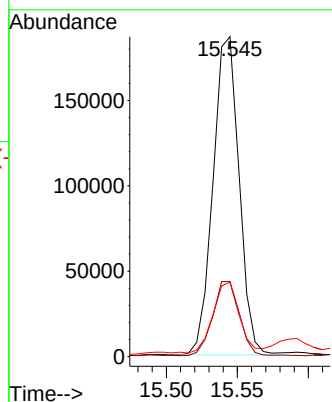
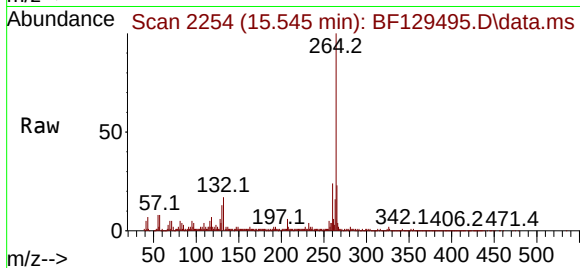
Tgt Ion:264 Resp: 238140

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 23.3 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.691 ng

RT: 17.051 min Scan# 2510

Delta R.T. 0.018 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

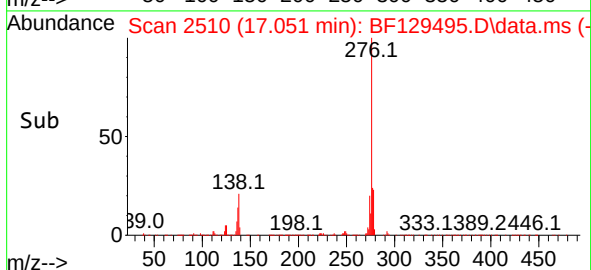
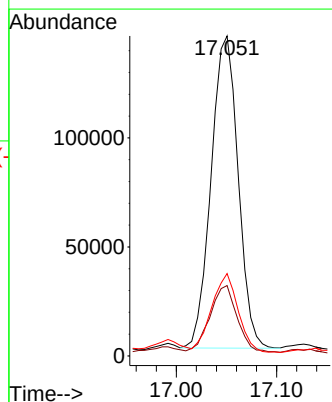
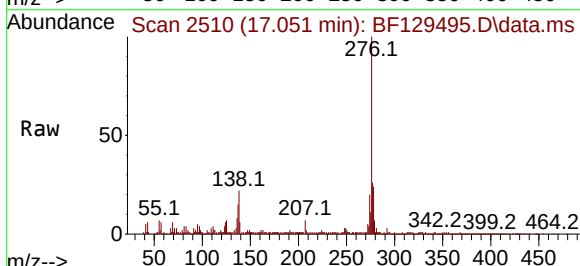
Tgt Ion:276 Resp: 267670

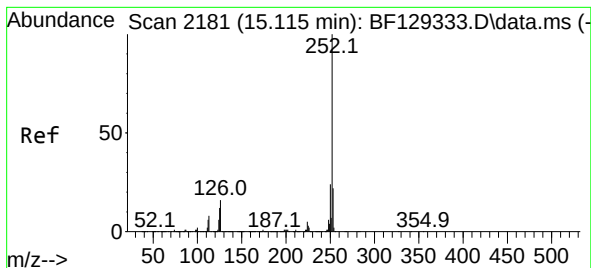
Ion Ratio Lower Upper

276 100

138 22.3 21.1 31.7

277 24.8 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 43.683 ng

RT: 15.104 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

Instrument :

BNA_F

ClientSampleId :

TP2-0729

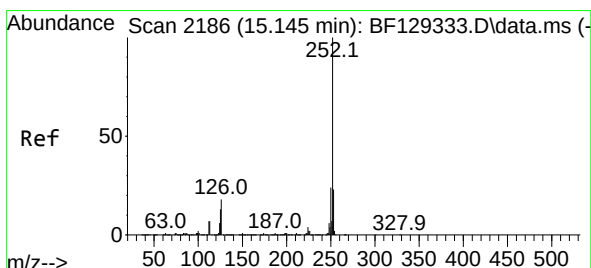
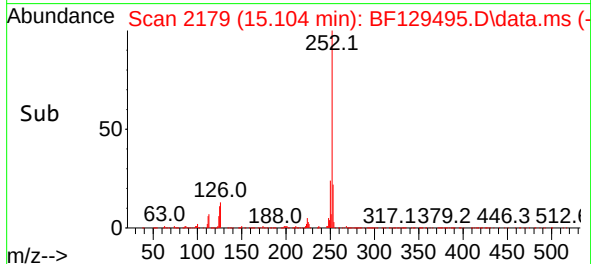
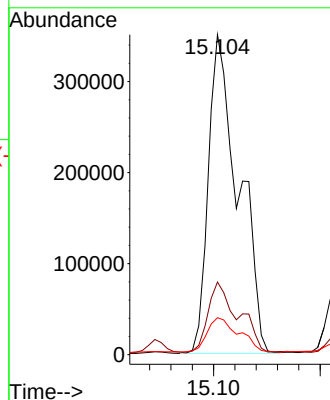
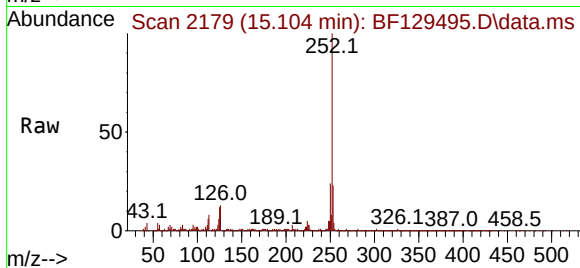
Tgt Ion:252 Resp: 690042

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 11.5 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 44.576 ng

RT: 15.104 min Scan# 2179

Delta R.T. -0.018 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

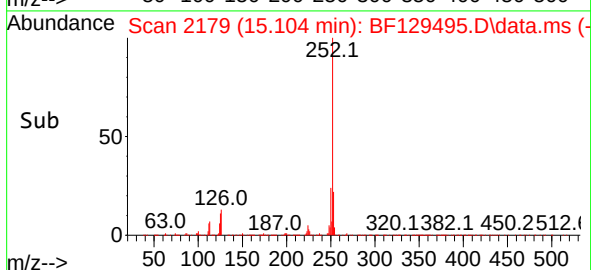
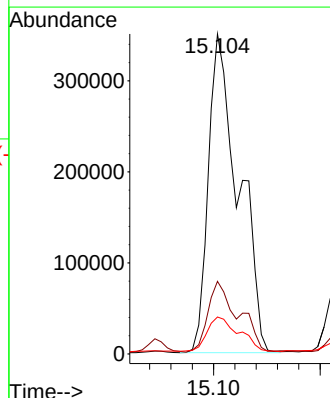
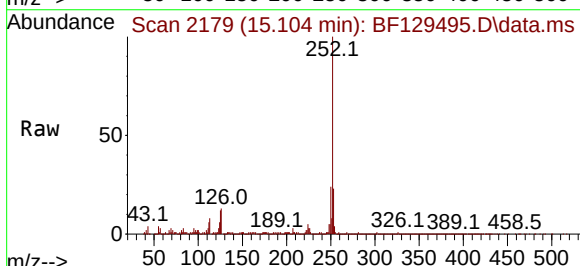
Tgt Ion:252 Resp: 690042

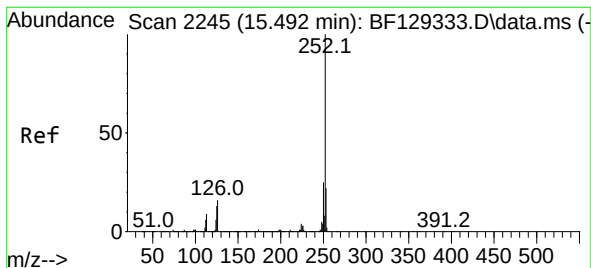
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 11.5 8.3 12.5





#90

Benzo(a)pyrene

Concen: 31.051 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

Instrument :

BNA_F

ClientSampleId :

TP2-0729

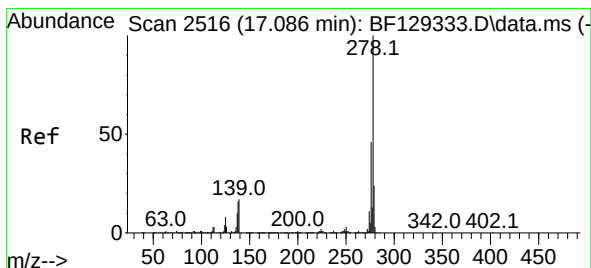
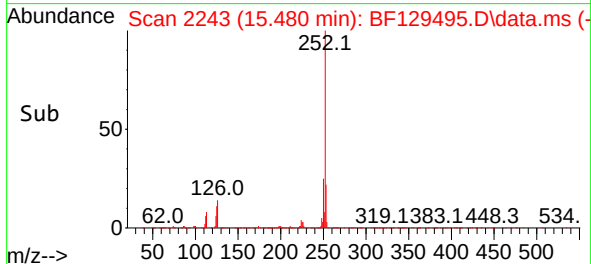
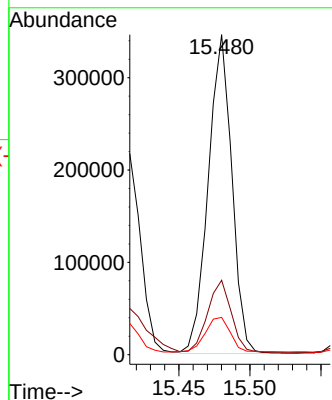
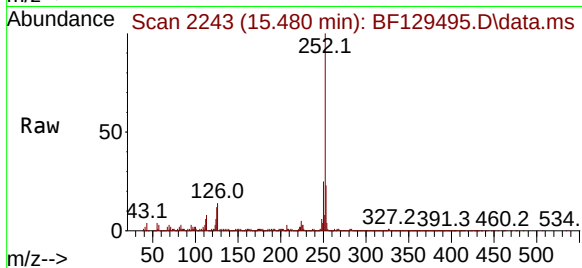
Tgt Ion:252 Resp: 398181

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 11.7 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 5.379 ng

RT: 17.051 min Scan# 2510

Delta R.T. 0.006 min

Lab File: BF129495.D

Acq: 02 Aug 2022 02:46

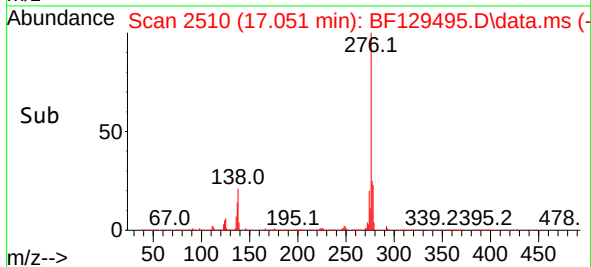
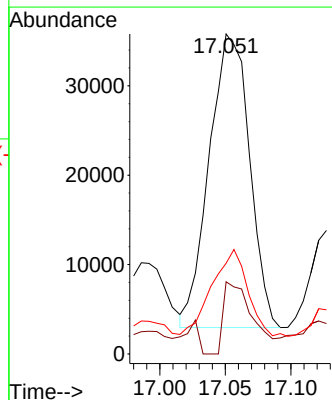
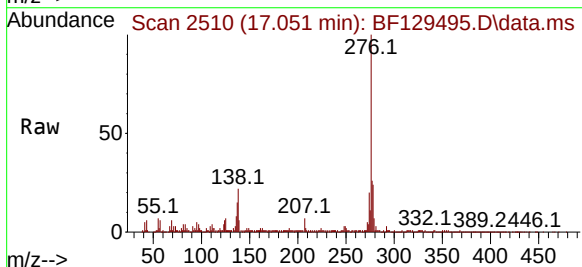
Tgt Ion:278 Resp: 70208

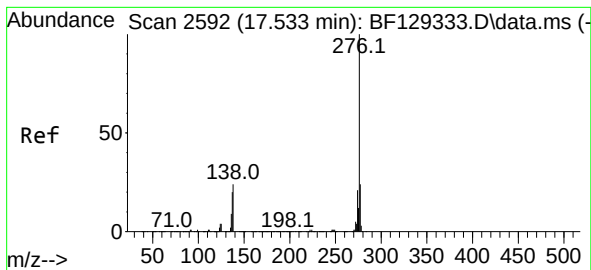
Ion Ratio Lower Upper

278 100

139 22.6 12.8 19.2#

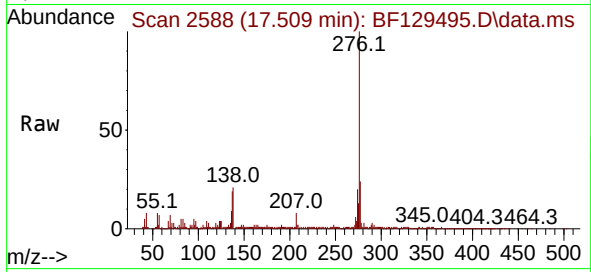
279 28.4 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 20.452 ng
 RT: 17.509 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF129495.D
 Acq: 02 Aug 2022 02:46

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0729



Tgt Ion:	276	Resp:	272770
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.1	28.7
138	21.0	18.0	27.0

