

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
 Data File : BF129592.D
 Acq On : 05 Aug 2022 03:38
 Operator : CG\JU
 Sample : N4016-04DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-ESDL

Quant Time: Aug 05 04:23:15 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 05 02:05:37 2022
 Response via : Initial Calibration

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

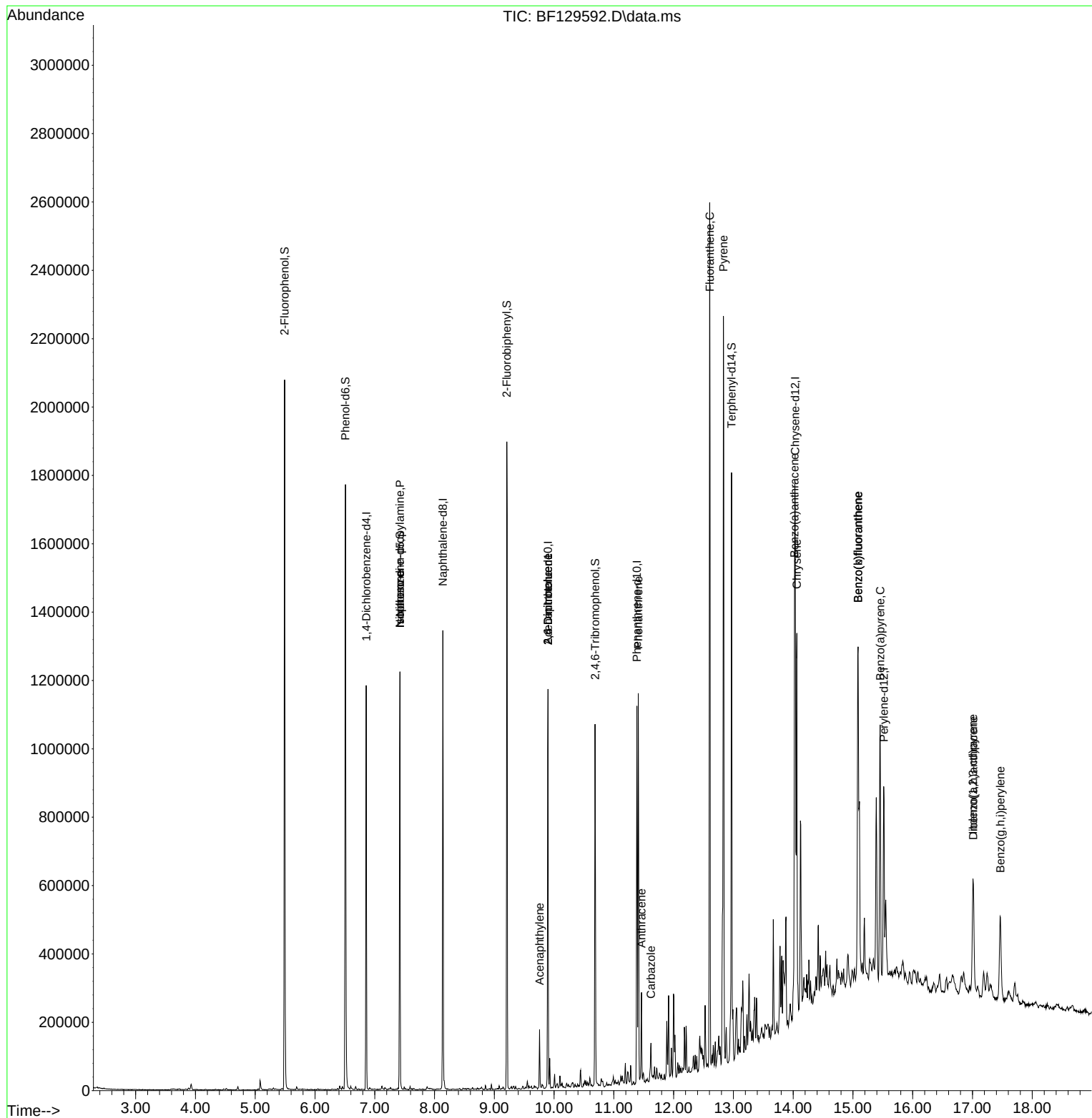
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	152896	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	526632	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	227164	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	364139	20.000	ng	0.00
76) Chrysene-d12	14.033	240	299218	20.000	ng	0.00
86) Perylene-d12	15.515	264	248229	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	520300	55.434	ng	0.00
7) Phenol-d6	6.510	99	605596	51.333	ng	0.00
23) Nitrobenzene-d5	7.422	82	352421	36.531	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	107778	49.349	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	555661	37.840	ng	-0.01
79) Terphenyl-d14	12.969	244	514451	32.436	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	46761	6.547	ng	# 73
25) Isophorone	7.422	82	350850	20.289	ng	# 65
49) Acenaphthylene	9.757	152	60268	2.959	ng	99
51) 2,6-Dinitrotoluene	9.898	165	29713	8.465	ng	# 25
57) 2,4-Dinitrotoluene	9.898	165	29713	6.480	ng	# 21
71) Phenanthrene	11.410	178	374205	18.826	ng	97
72) Anthracene	11.463	178	91653	4.692	ng	98
73) Carbazole	11.622	167	40653	2.211	ng	98
75) Fluoranthene	12.604	202	963787	47.854	ng	99
78) Pyrene	12.833	202	888553	35.512	ng	98
81) Benzo(a)anthracene	14.021	228	484269	23.693	ng	99
83) Chrysene	14.063	228	437330	22.703	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	210446	12.590	ng	95
88) Benzo(b)fluoranthene	15.086	252	720102	43.733	ng	98
89) Benzo(k)fluoranthene	15.086	252	720102	44.627	ng	98
90) Benzo(a)pyrene	15.457	252	349813	26.171	ng	97
91) Dibenzo(a,h)anthracene	17.015	278	55414	4.073	ng	# 88
92) Benzo(g,h,i)perylene	17.468	276	198074	14.248	ng	99

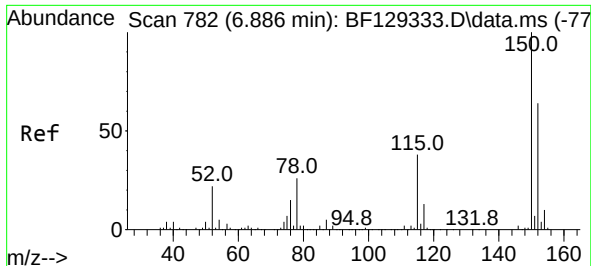
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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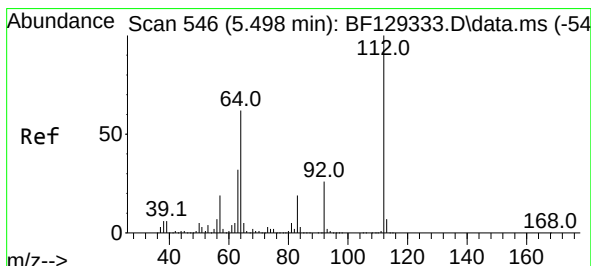
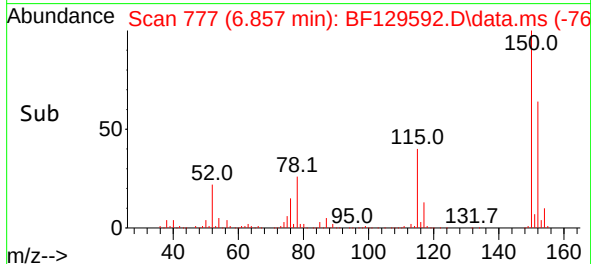
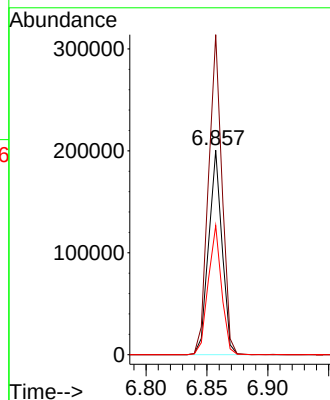
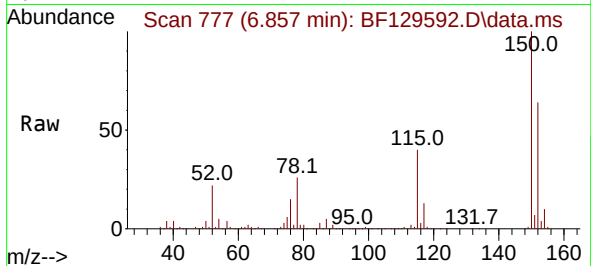




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38

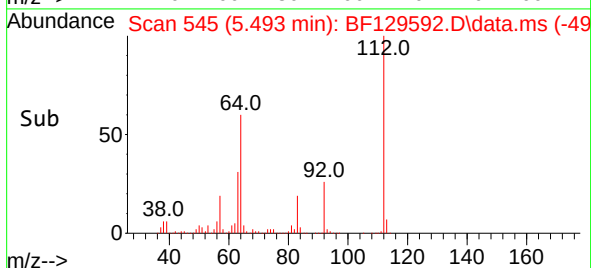
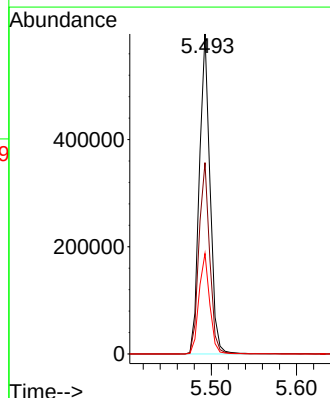
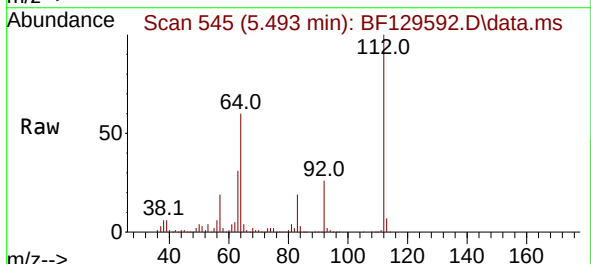
Instrument :
 BNA_F
 ClientSampleId :
 MH-ESDL

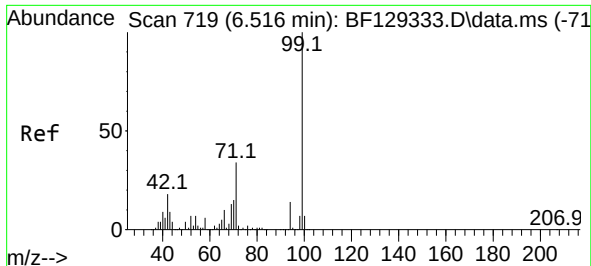
Tgt Ion:152 Resp: 152896
 Ion Ratio Lower Upper
 152 100
 150 156.5 123.7 185.5
 115 63.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 55.434 ng
 RT: 5.493 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38

Tgt Ion:112 Resp: 520300
 Ion Ratio Lower Upper
 112 100
 64 59.8 53.3 79.9
 63 31.4 28.0 42.0

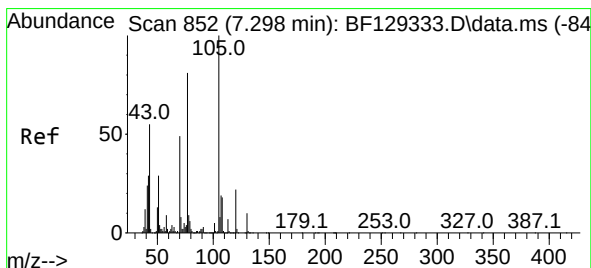
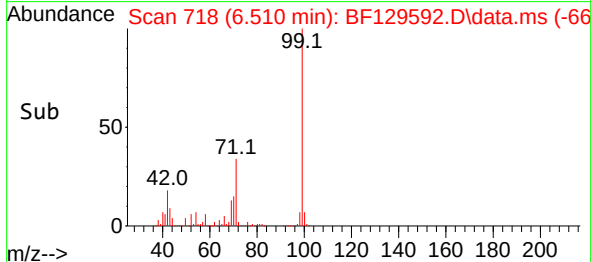
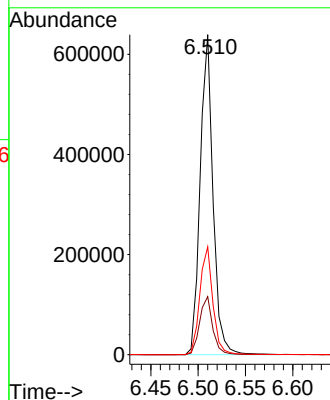
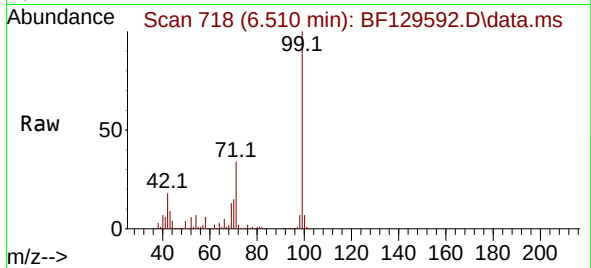




#7
Phenol-d6
Concen: 51.333 ng
RT: 6.510 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

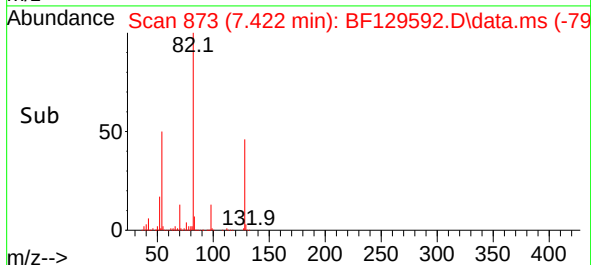
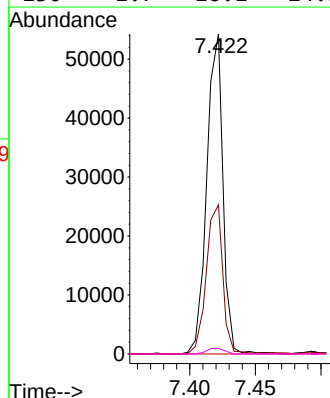
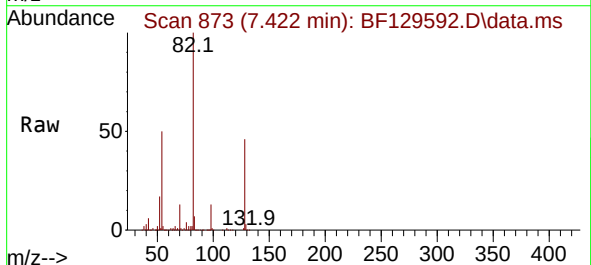
Instrument :
BNA_F
ClientSampleId :
MH-ESDL

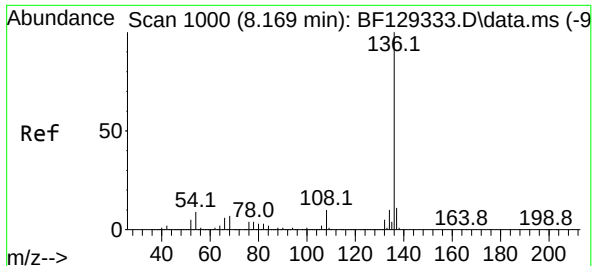
Tgt Ion: 99 Resp: 605596
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 33.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.547 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.141 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion: 70 Resp: 46761
Ion Ratio Lower Upper
70 100
42 46.6 52.3 78.5#
101 0.0 7.5 11.3#
130 1.7 16.1 24.1#



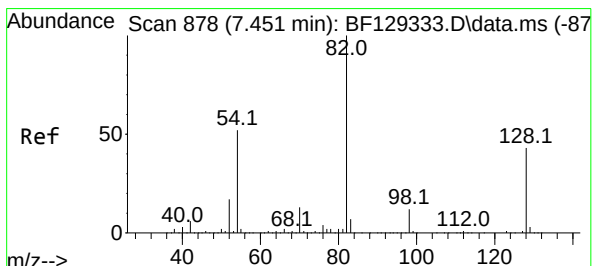
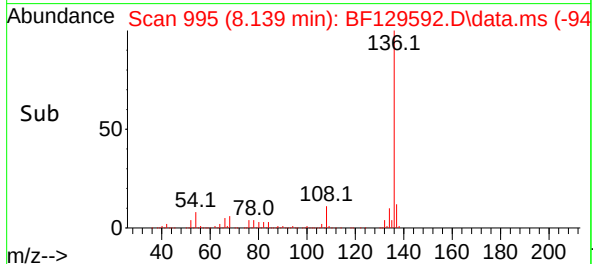
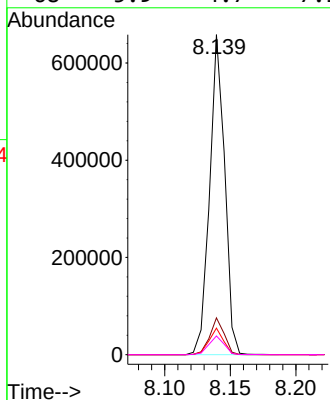
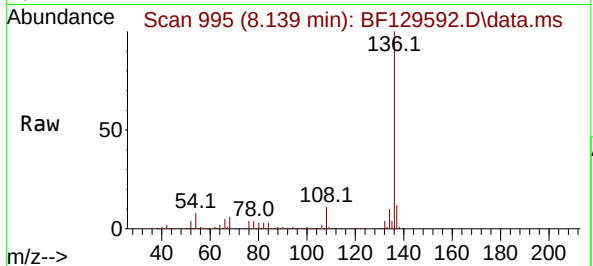


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Instrument :
BNA_F
ClientSampleId :
MH-ESDL

Tgt Ion:136 Resp: 526632

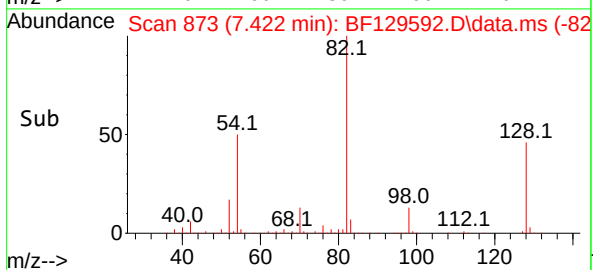
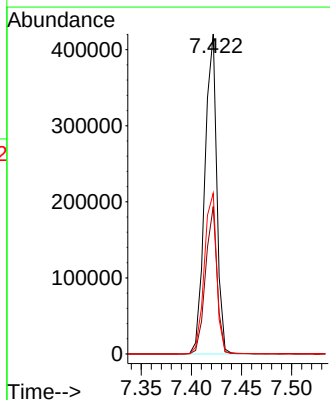
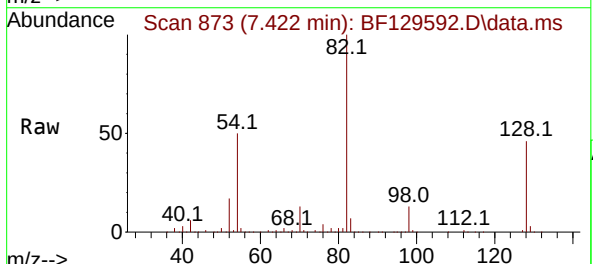
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	8.3	7.5	11.3
68	5.9	4.7	7.1

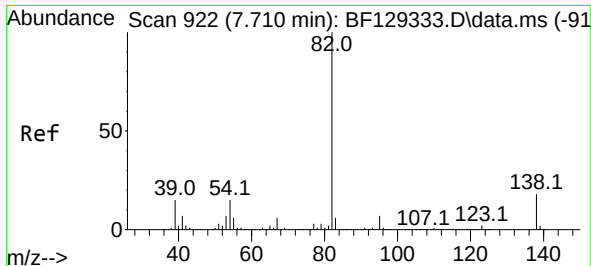


#23
Nitrobenzene-d5
Concen: 36.531 ng
RT: 7.422 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion: 82 Resp: 352421

Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.0	51.0
54	50.2	46.9	70.3

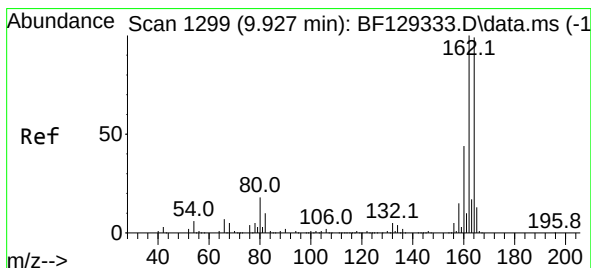
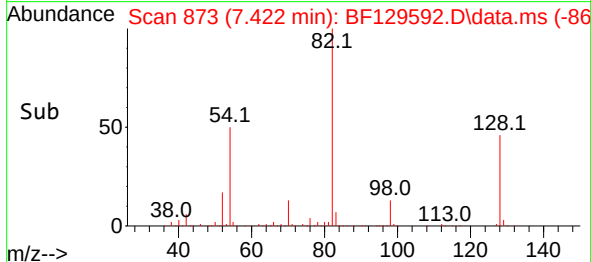
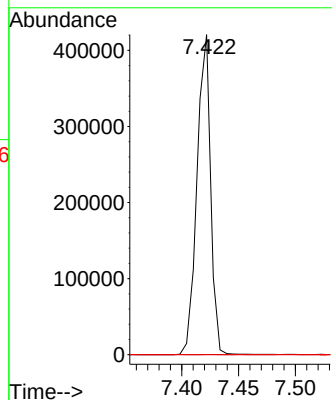
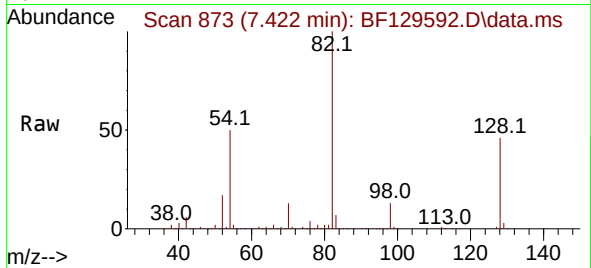




#25
Isophorone
Concen: 20.289 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

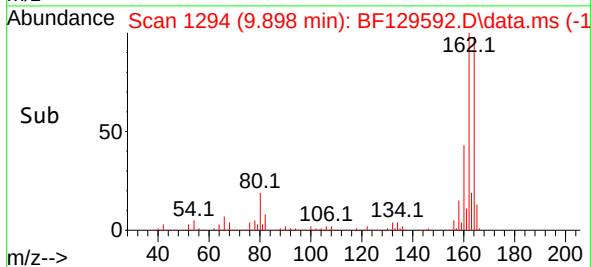
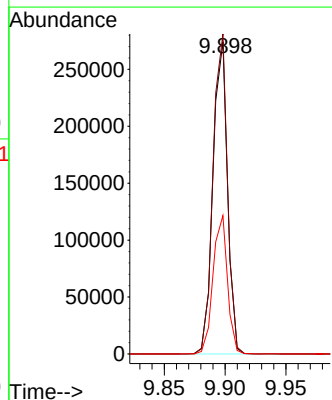
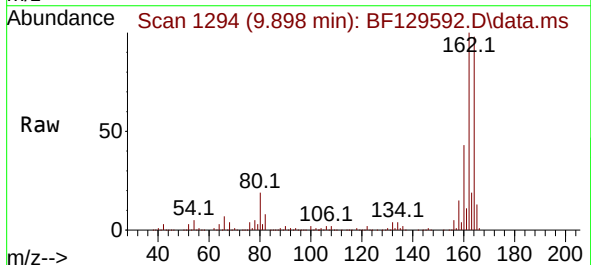
Instrument :
BNA_F
ClientSampleId :
MH-ESDL

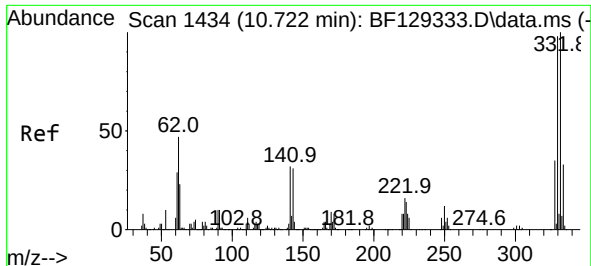
Tgt Ion: 82 Resp: 350850
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:164 Resp: 227164
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 44.3 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 49.349 ng

RT: 10.686 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

MH-ESDL

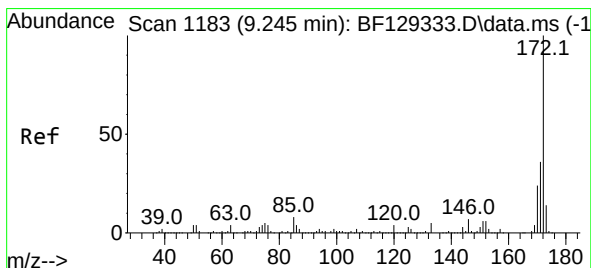
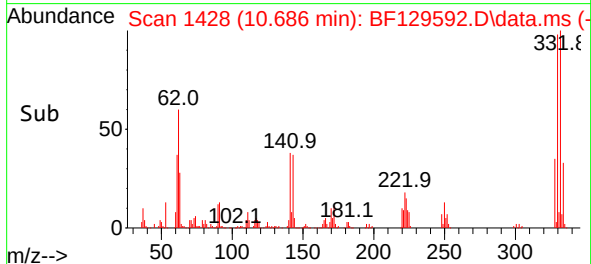
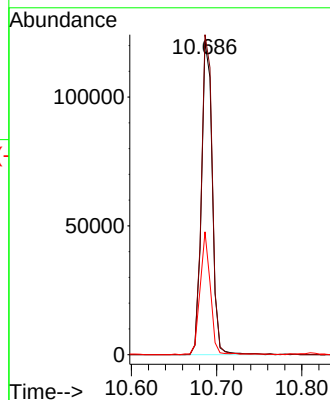
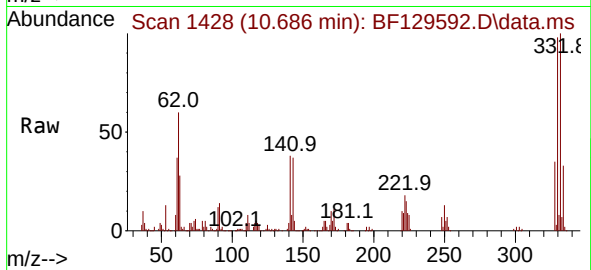
Tgt Ion:330 Resp: 107778

Ion Ratio Lower Upper

330 100

332 102.6 76.8 115.2

141 37.1 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 37.840 ng

RT: 9.210 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

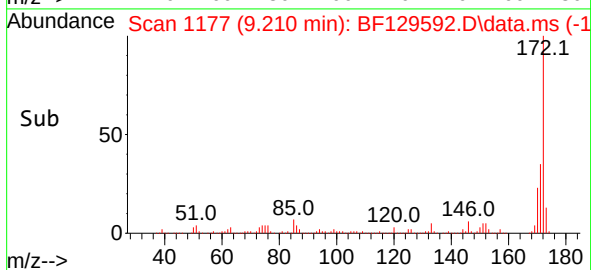
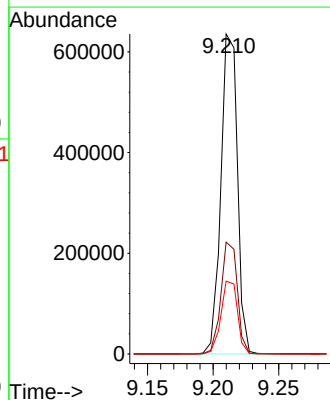
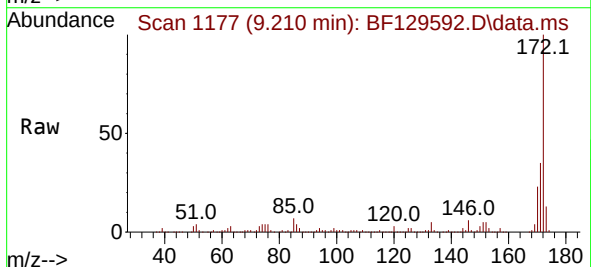
Tgt Ion:172 Resp: 555661

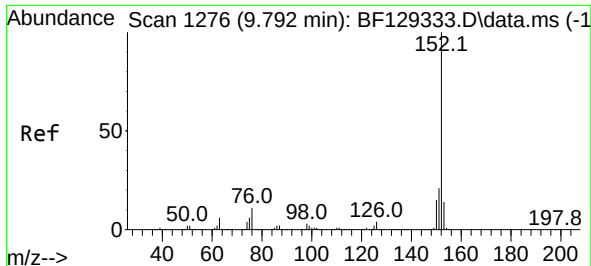
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 22.8 19.8 29.8





#49

Acenaphthylene

Concen: 2.959 ng

RT: 9.757 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

MH-ESDL

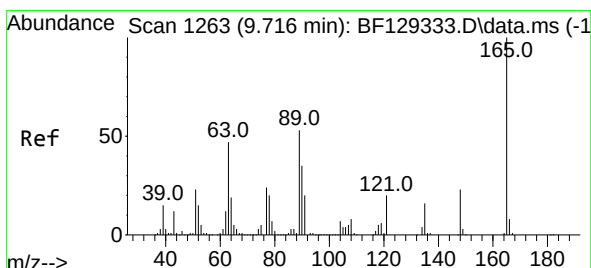
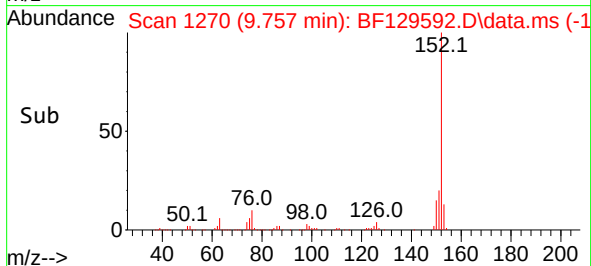
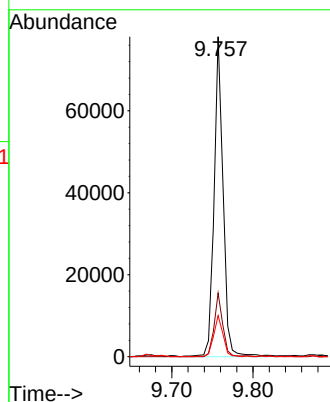
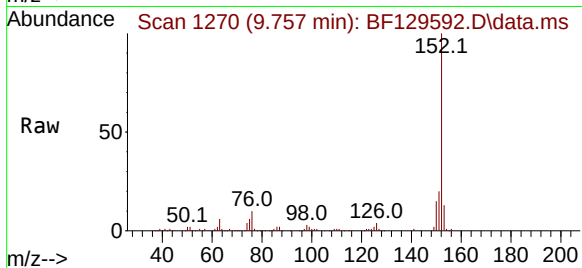
Tgt Ion:152 Resp: 60268

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 12.9 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 8.465 ng

RT: 9.898 min Scan# 1294

Delta R.T. 0.206 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

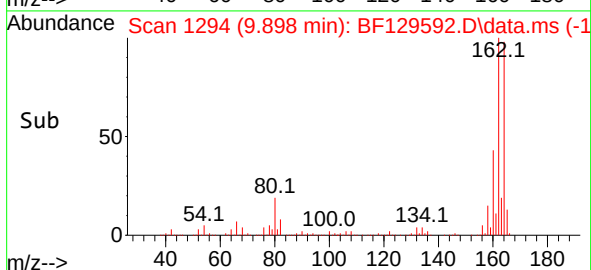
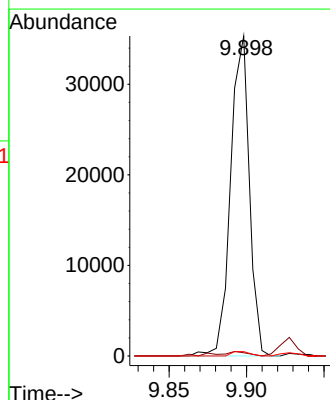
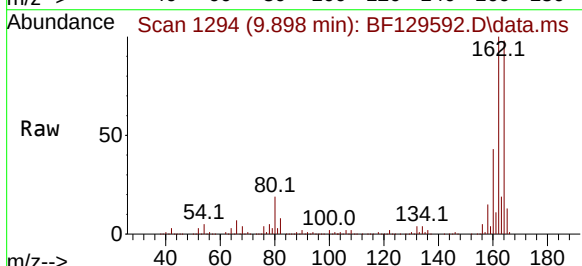
Tgt Ion:165 Resp: 29713

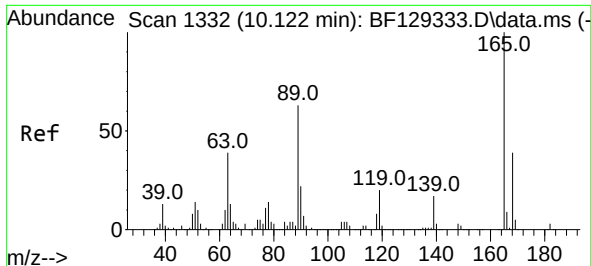
Ion Ratio Lower Upper

165 100

63 1.0 44.9 67.3#

89 1.4 43.6 65.4#

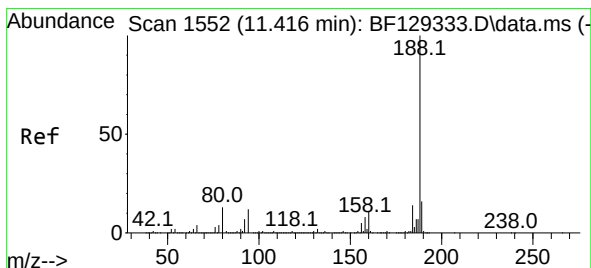
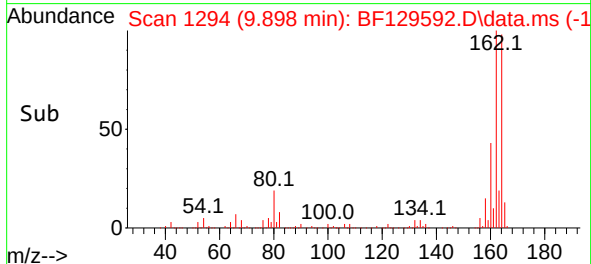
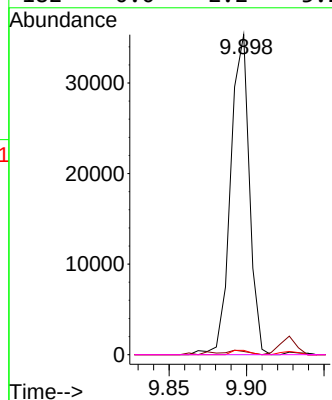
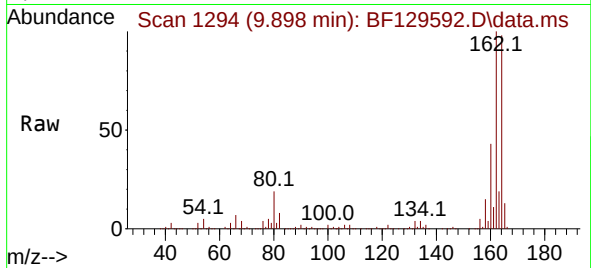




#57
2,4-Dinitrotoluene
Concen: 6.480 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

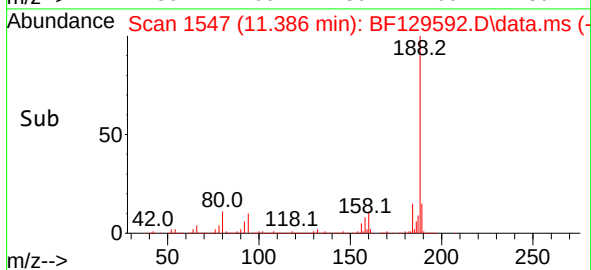
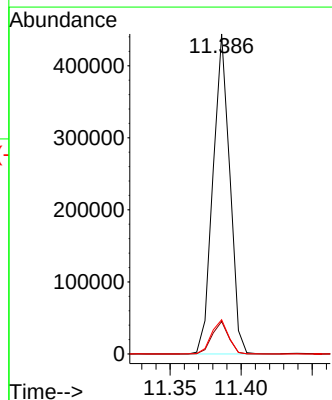
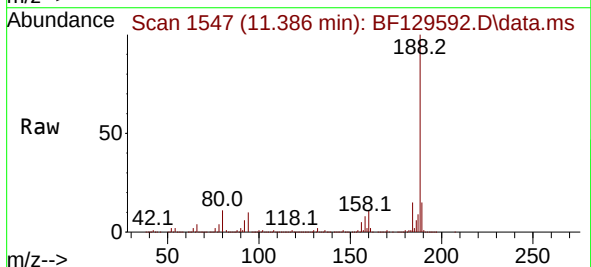
Instrument :
BNA_F
ClientSampleId :
MH-ESDL

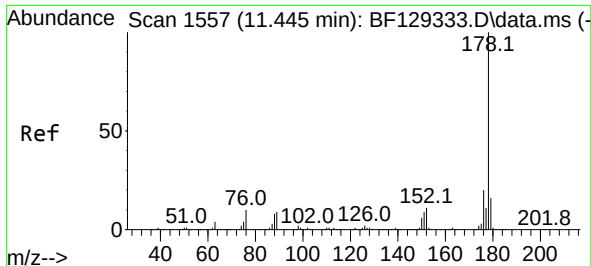
Tgt Ion:165 Resp: 29713
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 1.4 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:188 Resp: 364139
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 10.7 7.6 11.4

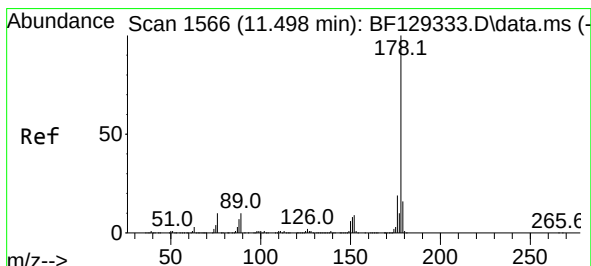
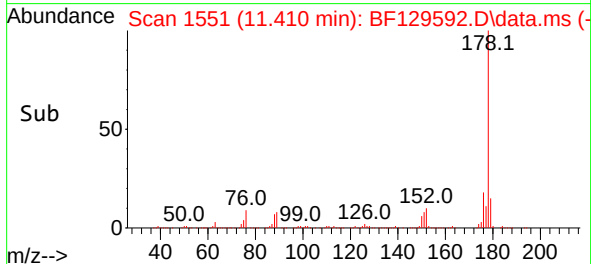
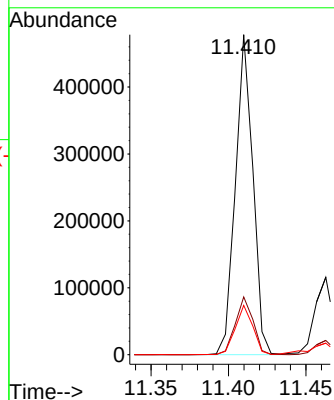
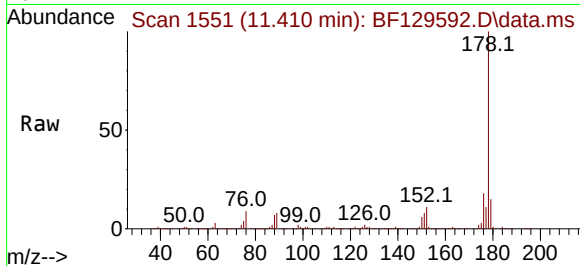




#71
Phenanthrene
Concen: 18.826 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

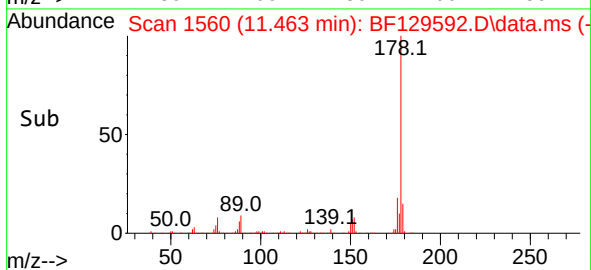
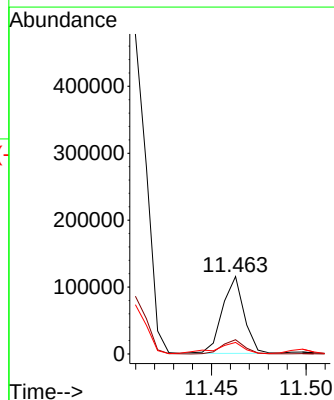
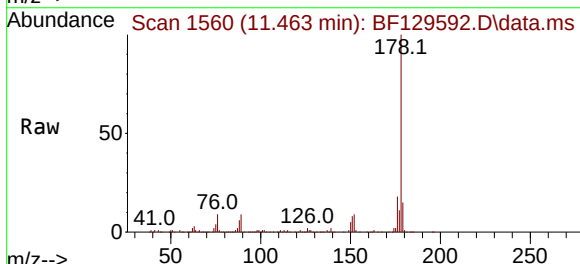
Instrument :
BNA_F
ClientSampleId :
MH-ESDL

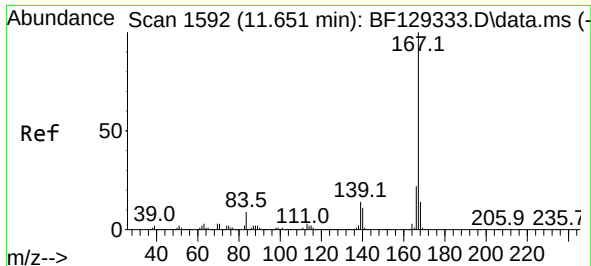
Tgt Ion:178 Resp: 374205
Ion Ratio Lower Upper
178 100
176 18.1 16.0 24.0
179 15.4 12.6 19.0



#72
Anthracene
Concen: 4.692 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:178 Resp: 91653
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 14.9 12.6 19.0

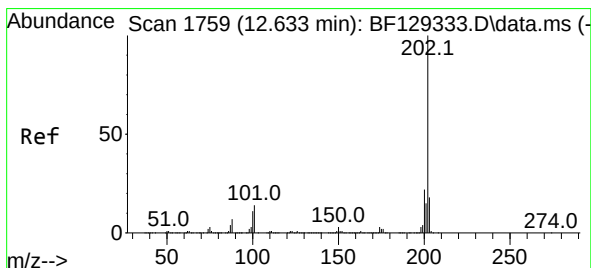
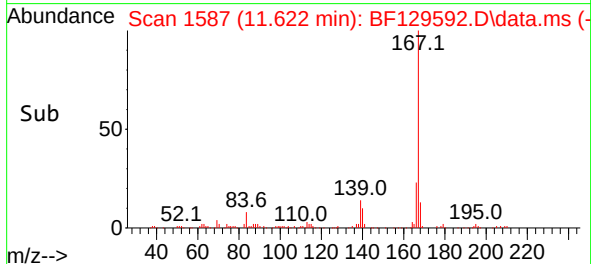
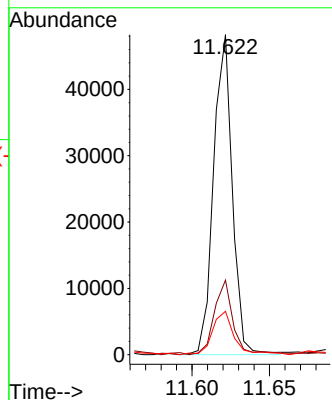
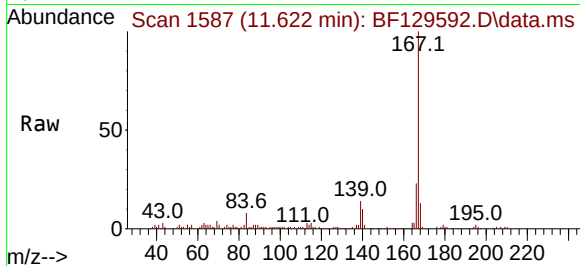




#73
 Carbazole
 Concen: 2.211 ng
 RT: 11.622 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38

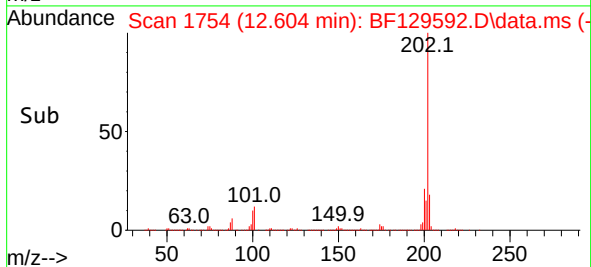
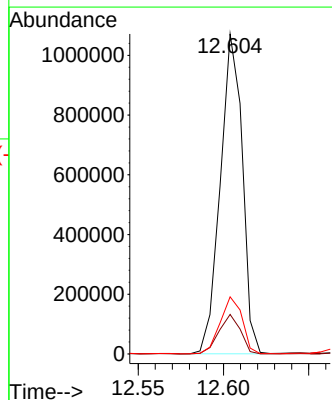
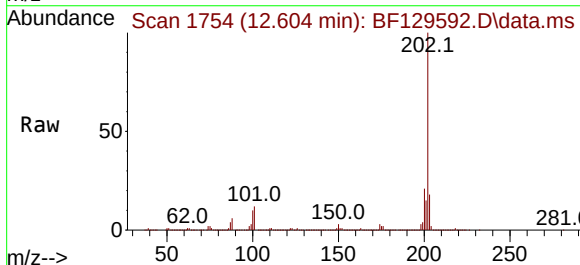
Instrument :
 BNA_F
 ClientSampleId :
 MH-ESDL

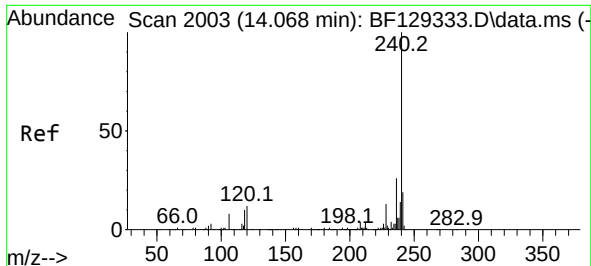
Tgt Ion:167 Resp: 40653
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.7 26.5
 139 13.5 11.2 16.8



#75
 Fluoranthene
 Concen: 47.854 ng
 RT: 12.604 min Scan# 1754
 Delta R.T. -0.006 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38

Tgt Ion:202 Resp: 963787
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.4
 203 17.8 0.0 38.0

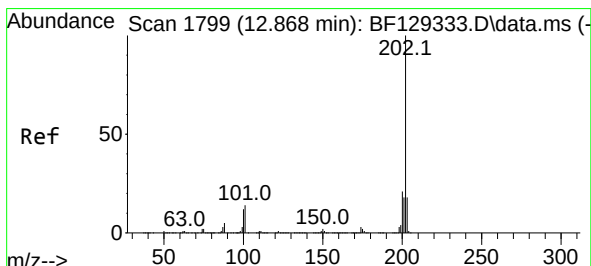
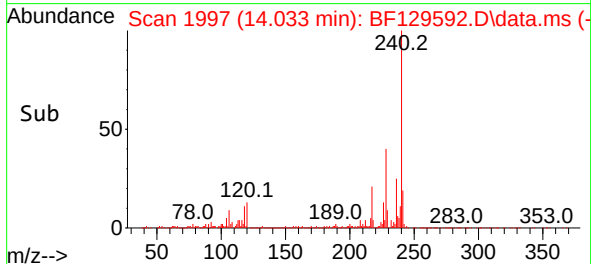
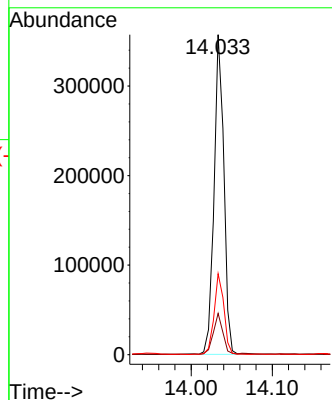
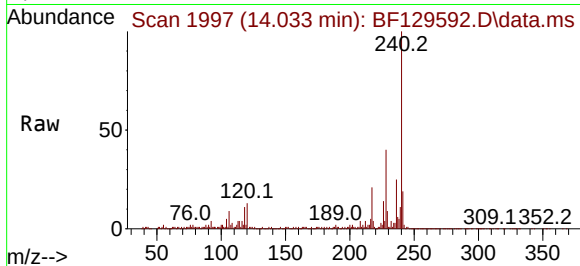




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

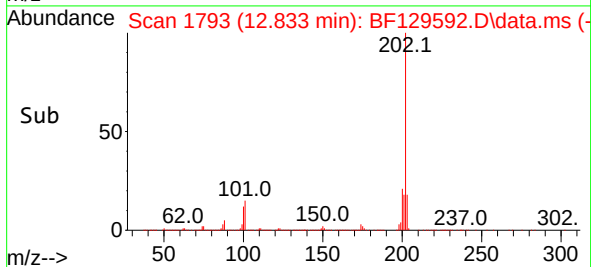
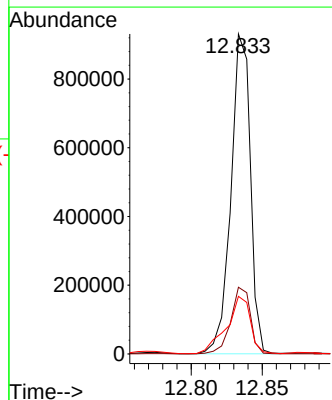
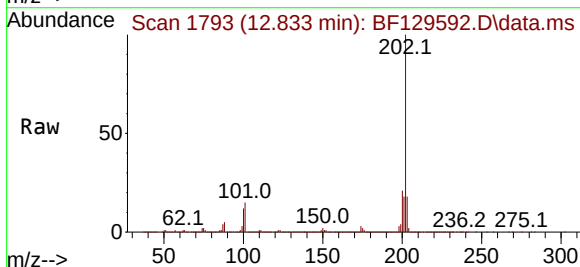
Instrument :
BNA_F
ClientSampleId :
MH-ESDL

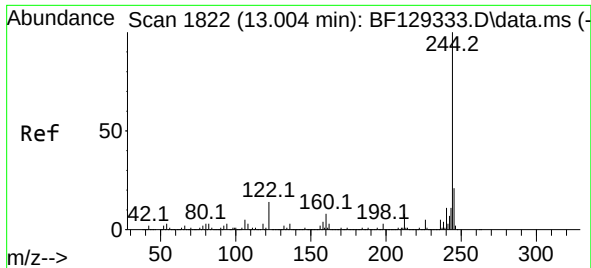
Tgt Ion:240 Resp: 299218
Ion Ratio Lower Upper
240 100
120 12.9 8.9 13.3
236 25.3 20.8 31.2



#78
Pyrene
Concen: 35.512 ng
RT: 12.833 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:202 Resp: 888553
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 18.0 14.6 21.8

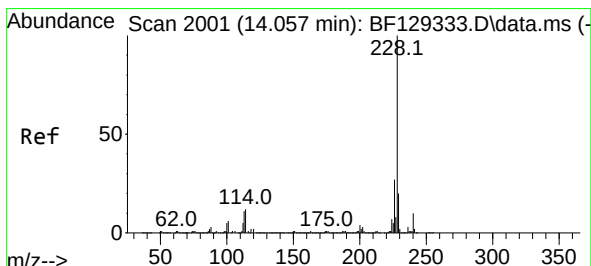
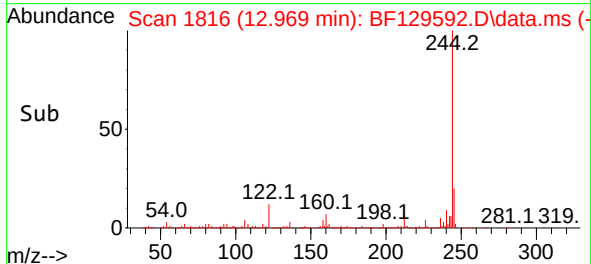
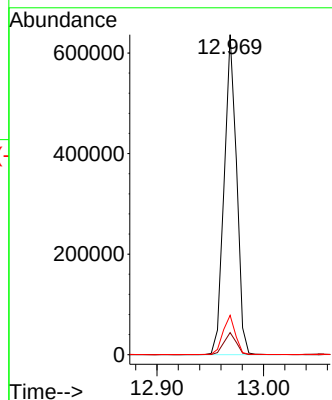
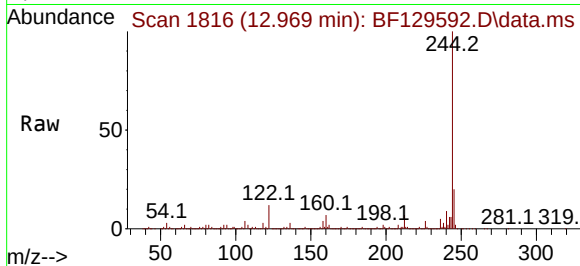




#79
 Terphenyl-d14
 Concen: 32.436 ng
 RT: 12.969 min Scan# 1816
 Delta R.T. -0.012 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38

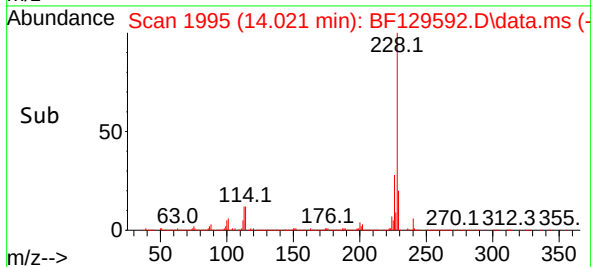
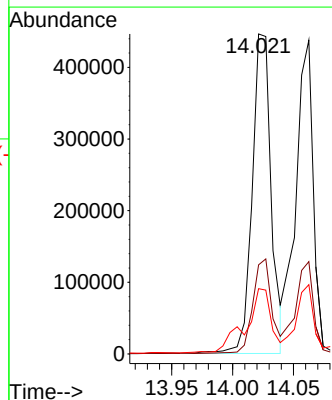
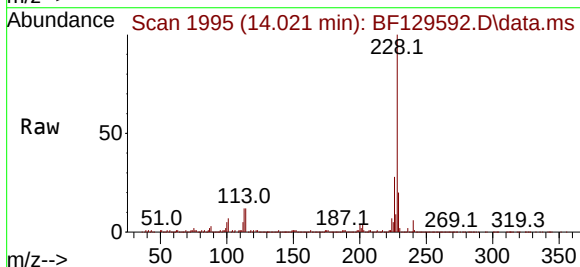
Instrument :
 BNA_F
 ClientSampleId :
 MH-ESDL

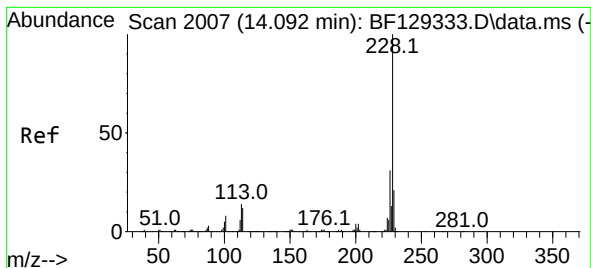
Tgt Ion:244 Resp: 514451
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 12.3 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 23.693 ng
 RT: 14.021 min Scan# 1995
 Delta R.T. -0.006 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38

Tgt Ion:228 Resp: 484269
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.1 33.1
 229 20.4 15.8 23.8





#83

Chrysene

Concen: 22.703 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

MH-ESDL

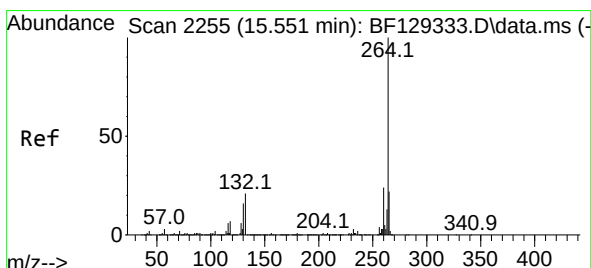
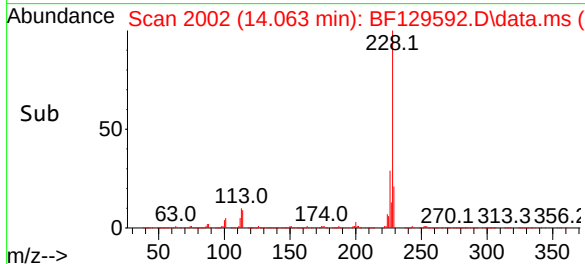
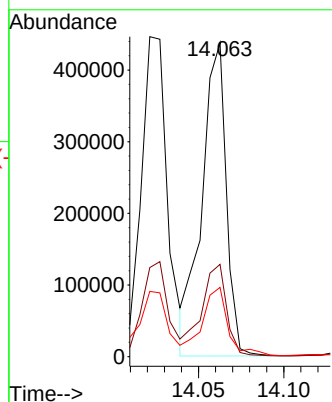
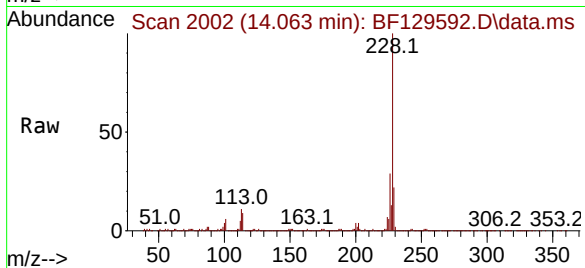
Tgt Ion:228 Resp: 437330

Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

229 22.1 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2249

Delta R.T. -0.000 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

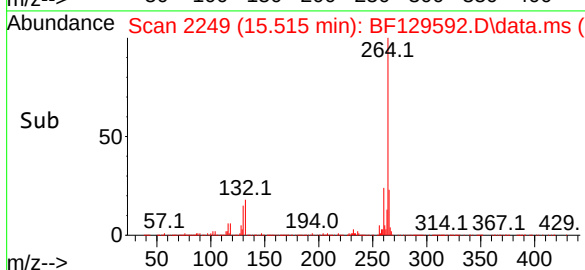
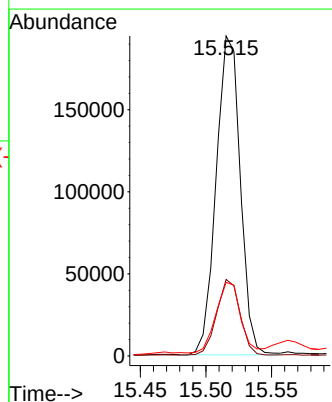
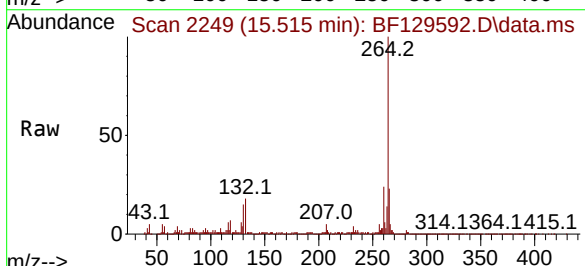
Tgt Ion:264 Resp: 248229

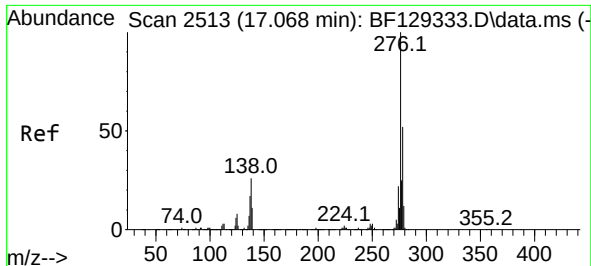
Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 23.0 17.2 25.8

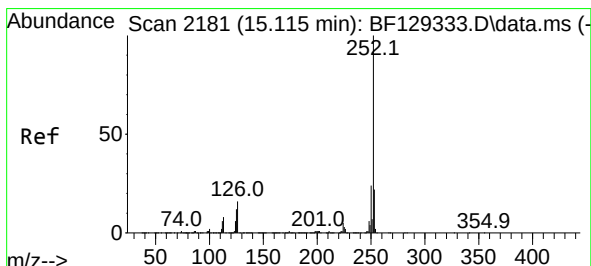
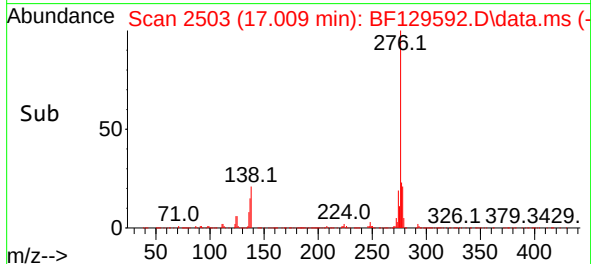
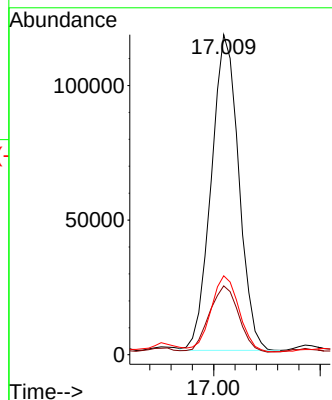
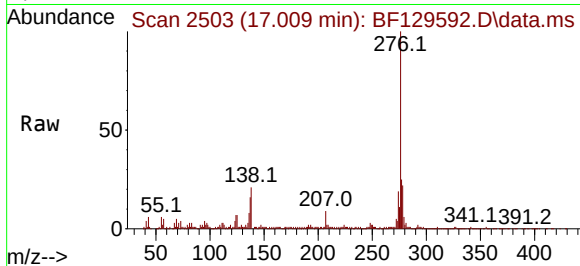




#87
Indeno(1,2,3-cd)pyrene
Concen: 12.590 ng
RT: 17.009 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

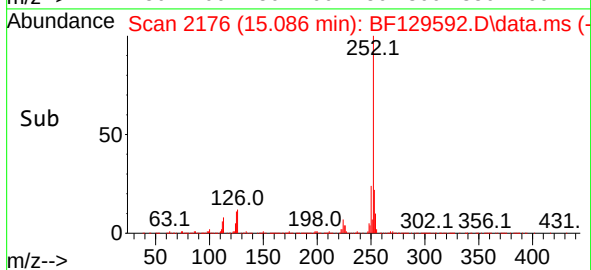
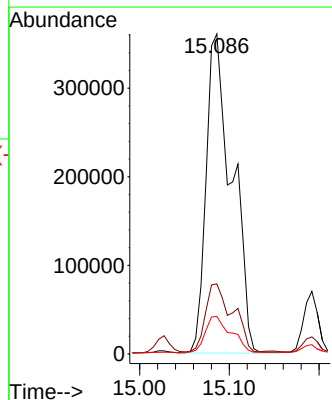
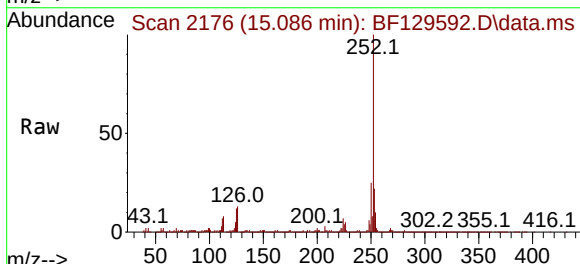
Instrument :
BNA_F
ClientSampleId :
MH-ESDL

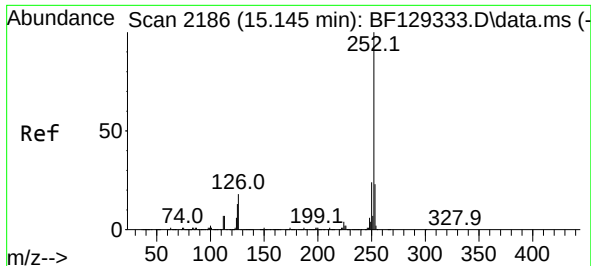
Tgt Ion:276 Resp: 210446
Ion Ratio Lower Upper
276 100
138 22.1 21.1 31.7
277 24.7 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 43.733 ng
RT: 15.086 min Scan# 2176
Delta R.T. -0.000 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:252 Resp: 720102
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 11.8 8.0 12.0

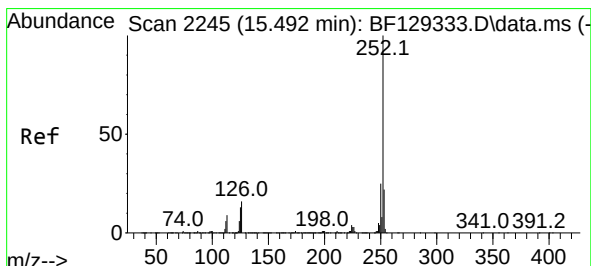
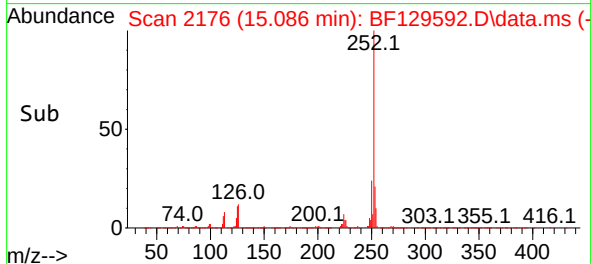
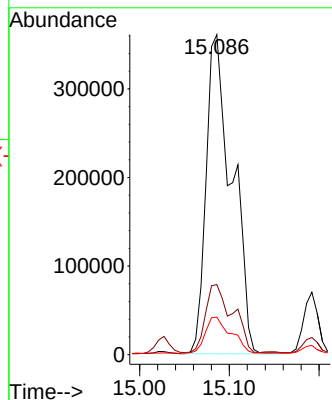
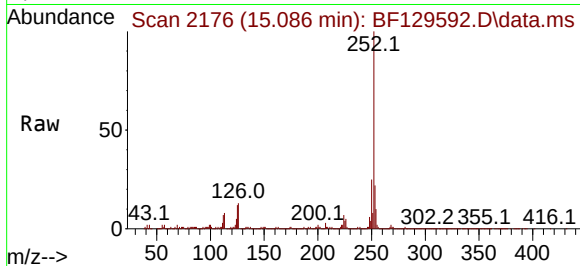




#89
Benzo(k)fluoranthene
Concen: 44.627 ng
RT: 15.086 min Scan# 2186
Delta R.T. -0.029 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

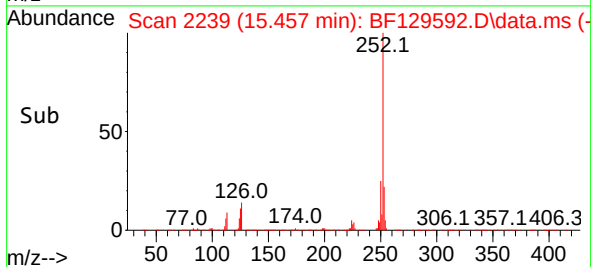
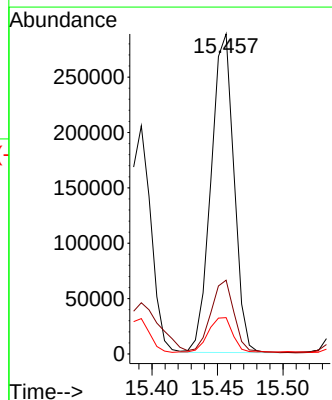
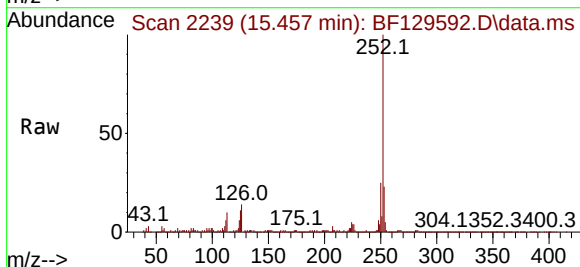
Instrument :
BNA_F
ClientSampleId :
MH-ESDL

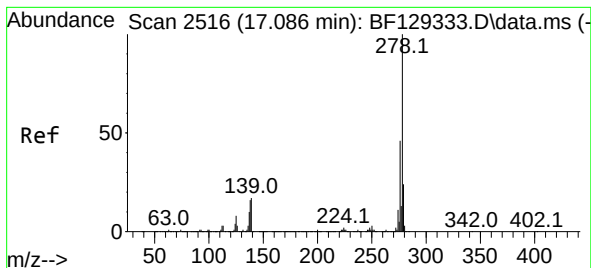
Tgt Ion:252 Resp: 720102
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 11.8 8.3 12.5



#90
Benzo(a)pyrene
Concen: 26.171 ng
RT: 15.457 min Scan# 2239
Delta R.T. -0.000 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:252 Resp: 349813
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 11.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 4.073 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

MH-ESDL

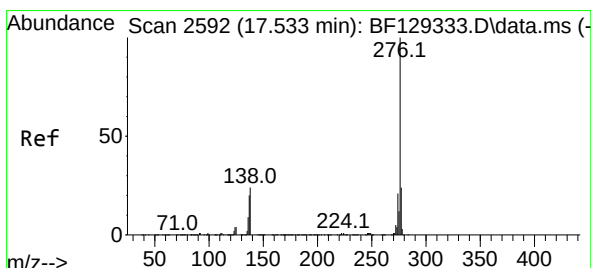
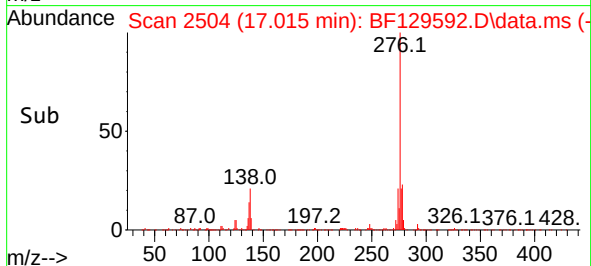
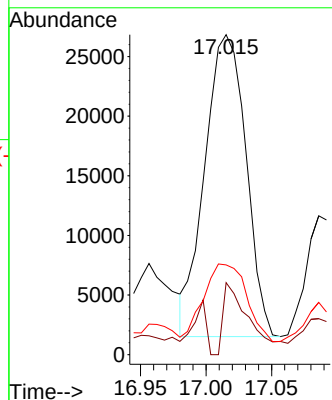
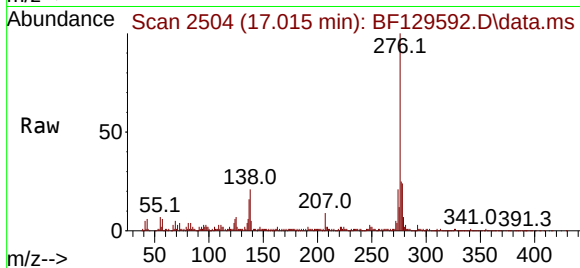
Tgt Ion:278 Resp: 55414

Ion Ratio Lower Upper

278 100

139 22.5 12.8 19.2#

279 28.0 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 14.248 ng

RT: 17.468 min Scan# 2581

Delta R.T. -0.012 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Tgt Ion:276 Resp: 198074

Ion Ratio Lower Upper

276 100

277 24.8 19.1 28.7

138 22.2 18.0 27.0

