

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127895.D
 Acq On : 25 Apr 2022 22:14
 Operator : CG\JU
 Sample : N2466-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-0-5

Quant Time: Apr 26 05:40:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

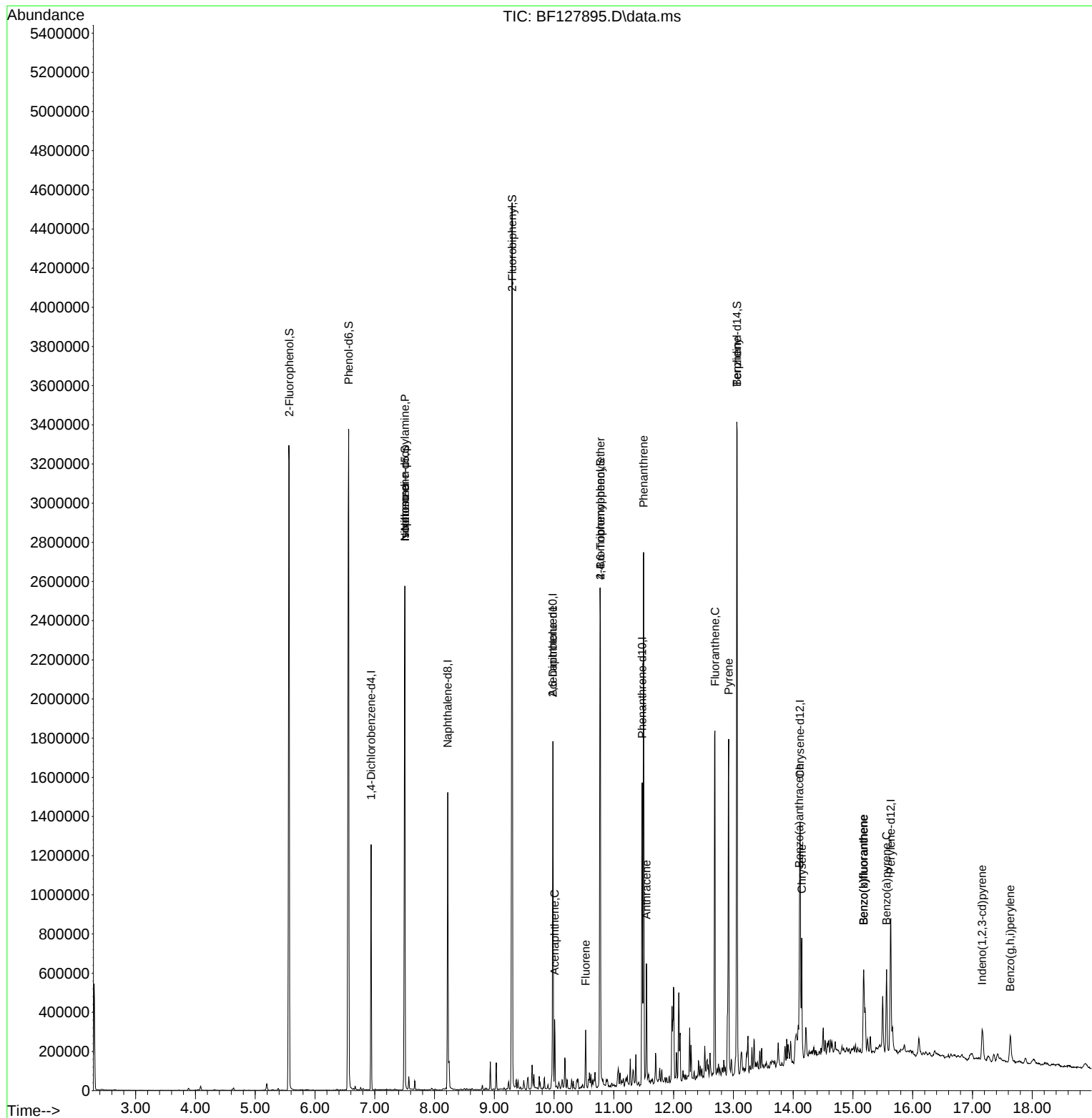
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	161902	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	625329	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	351786	20.000	ng	0.00
64) Phenanthrene-d10	11.474	188	586677	20.000	ng	0.00
76) Chrysene-d12	14.115	240	325517	20.000	ng	#-0.01
86) Perylene-d12	15.633	264	338672	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	944229	92.893	ng	0.00
7) Phenol-d6	6.563	99	1205602	91.407	ng	0.00
23) Nitrobenzene-d5	7.504	82	872171	65.586	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	310921	87.798	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1407798	67.701	ng	0.00
79) Terphenyl-d14	13.063	244	1227186	68.936	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	119746	14.831	ng	# 77
25) Isophorone	7.504	82	872159	38.968	ng	# 68
51) 2,6-Dinitrotoluene	9.980	165	46890	9.180	ng	# 21
52) Acenaphthene	10.010	154	67535	3.310	ng	96
58) Fluorene	10.527	166	72390	3.296	ng	100
67) 4-Bromophenyl-phenylether	10.775	248	20140	3.097	ng	# 1
71) Phenanthrene	11.498	178	913867	29.758	ng	100
72) Anthracene	11.545	178	223278	7.299	ng	99
75) Fluoranthene	12.692	202	746962	23.111	ng	97
77) Benzidine	13.063	184	17745	2.881	ng	# 89
78) Pyrene	12.921	202	712317	27.108	ng	99
81) Benzo(a)anthracene	14.104	228	267687	12.338	ng	97
83) Chrysene	14.145	228	248858	12.010	ng	98
87) Indeno(1,2,3-cd)pyrene	17.162	276	121032	5.354	ng	96
88) Benzo(b)fluoranthene	15.180	252	344786	16.209	ng	97
89) Benzo(k)fluoranthene	15.180	252	344786	16.088	ng	# 95
90) Benzo(a)pyrene	15.562	252	206451	11.701	ng	99
92) Benzo(g,h,i)perylene	17.633	276	115532	6.047	ng	98

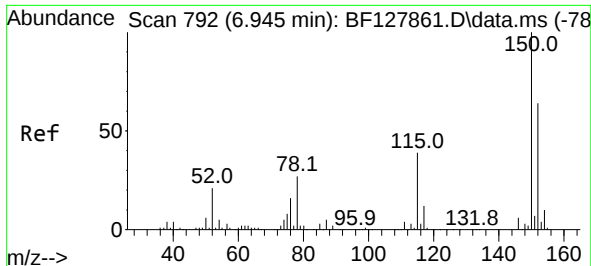
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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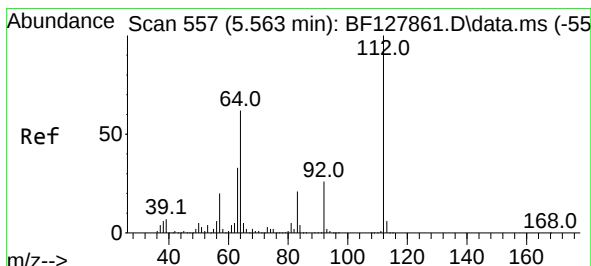
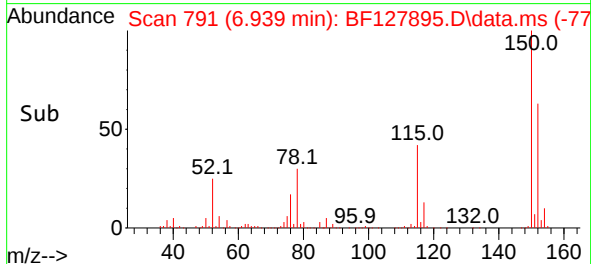
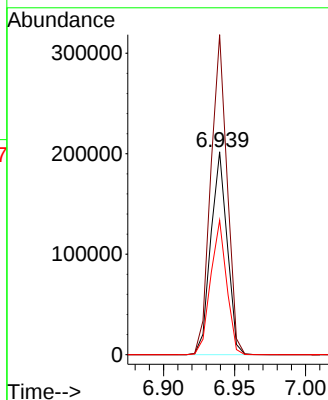
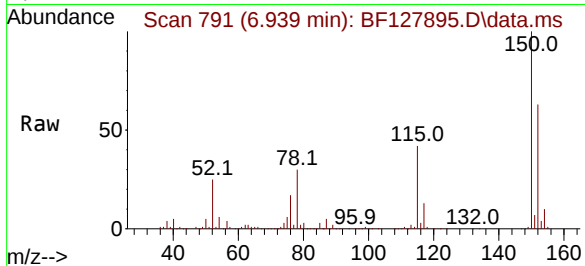




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.939 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF127895.D
 Acq: 25 Apr 2022 22:14

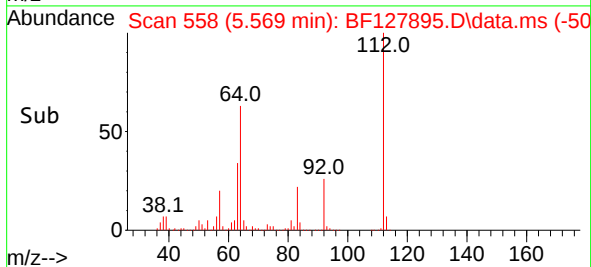
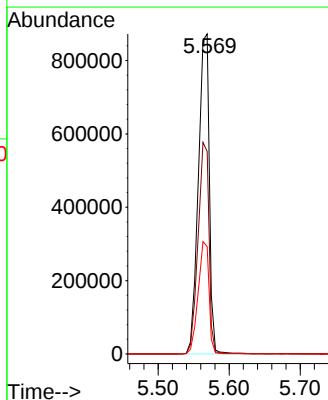
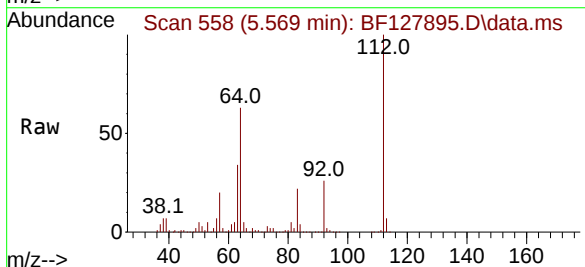
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-0-5

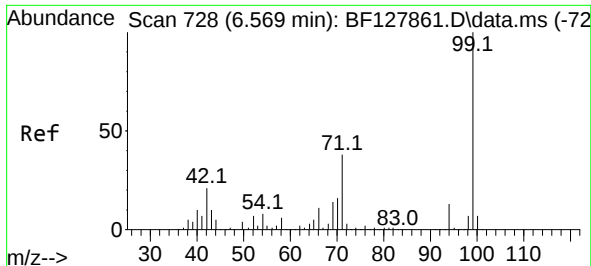
Tgt Ion:152 Resp: 161902
 Ion Ratio Lower Upper
 152 100
 150 157.7 125.3 187.9
 115 66.2 48.8 73.2



#5
 2-Fluorophenol
 Concen: 92.893 ng
 RT: 5.569 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: BF127895.D
 Acq: 25 Apr 2022 22:14

Tgt Ion:112 Resp: 944229
 Ion Ratio Lower Upper
 112 100
 64 63.3 49.5 74.3
 63 33.6 26.3 39.5

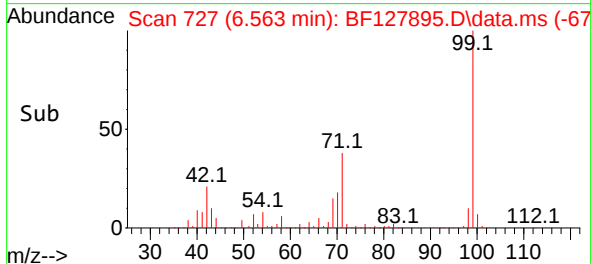
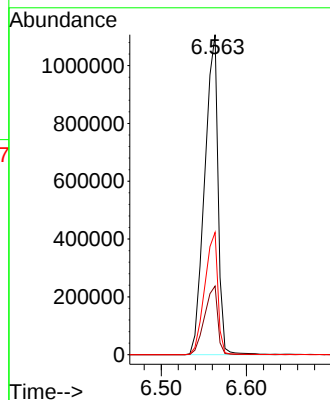
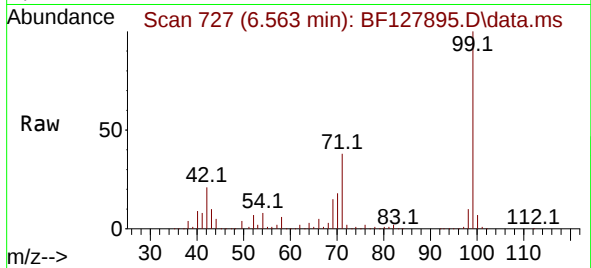




#7
Phenol-d6
Concen: 91.407 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

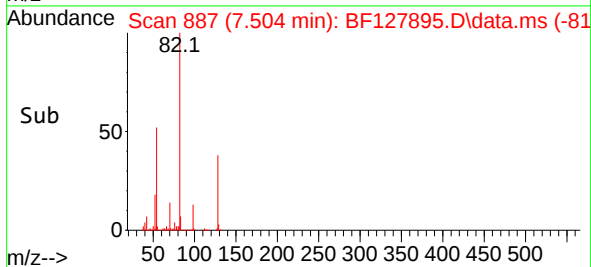
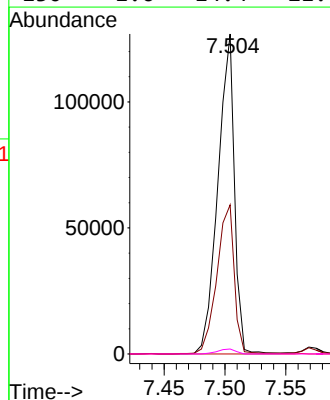
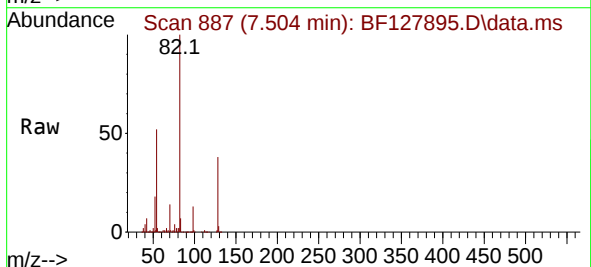
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5

Tgt Ion: 99 Resp: 1205602
Ion Ratio Lower Upper
99 100
42 21.4 16.6 24.8
71 38.2 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.831 ng
RT: 7.504 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

Tgt Ion: 70 Resp: 119746
Ion Ratio Lower Upper
70 100
42 46.6 48.7 73.1#
101 0.0 7.2 10.8#
130 1.6 14.4 21.6#

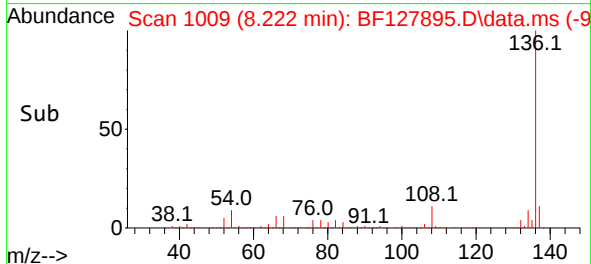
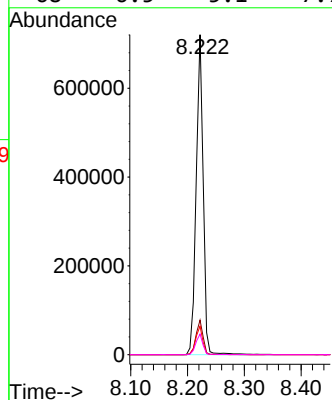
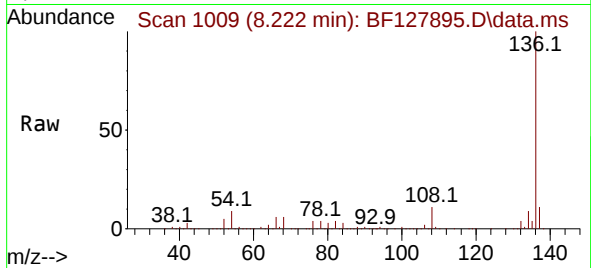




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

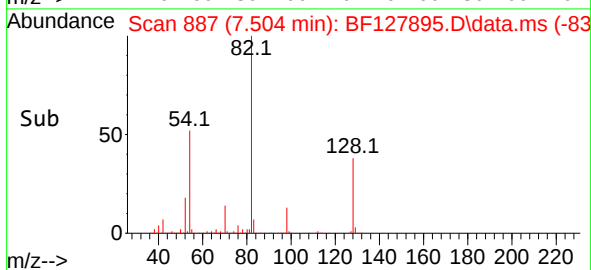
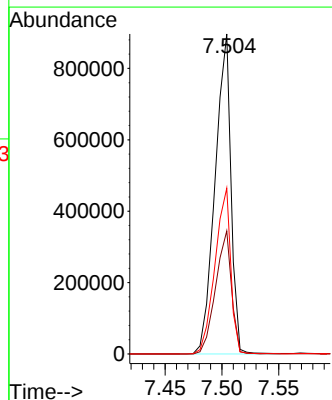
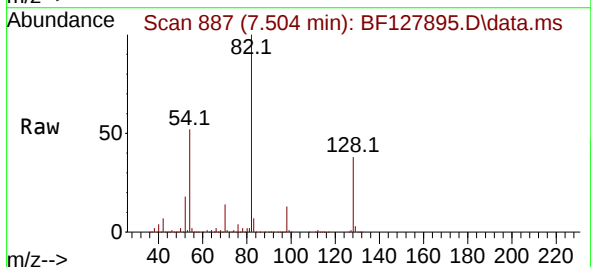
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5

Tgt Ion:136	Resp: 625329
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 8.9	6.8 10.2
68 6.5	5.1 7.7



#23
Nitrobenzene-d5
Concen: 65.586 ng
RT: 7.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

Tgt Ion: 82	Resp: 872171
Ion Ratio	Lower Upper
82 100	
128 38.5	30.0 45.0
54 51.8	41.3 61.9

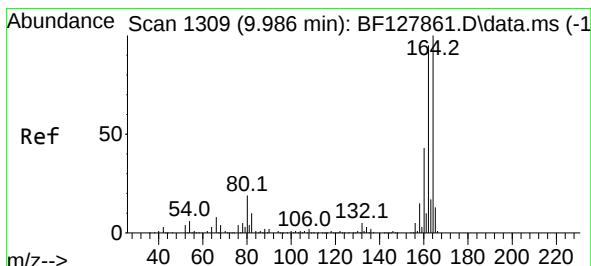
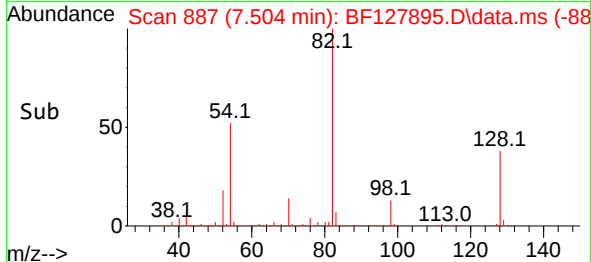
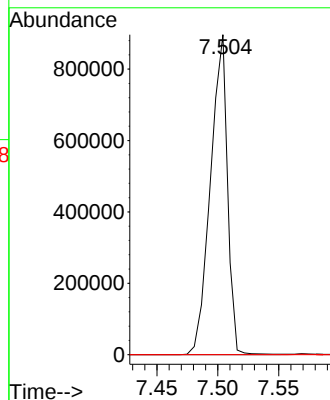
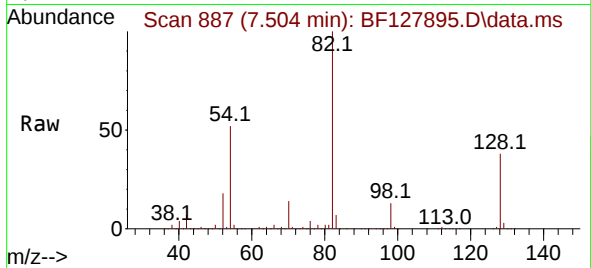




#25
Isophorone
Concen: 38.968 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

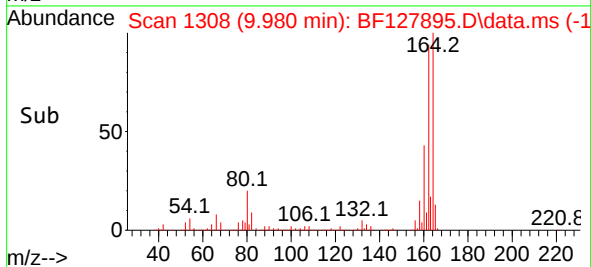
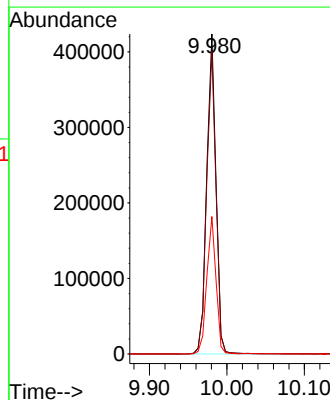
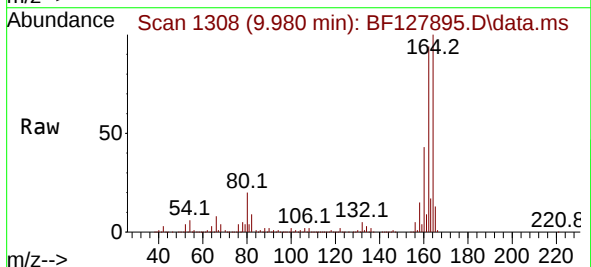
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5

Tgt Ion: 82 Resp: 872159
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

Tgt Ion:164 Resp: 351786
Ion Ratio Lower Upper
164 100
162 94.5 76.0 114.0
160 43.0 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 87.798 ng

RT: 10.775 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF127895.D

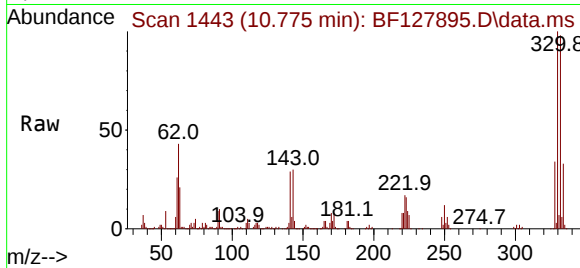
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Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5



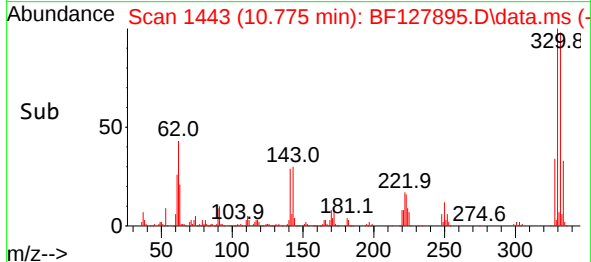
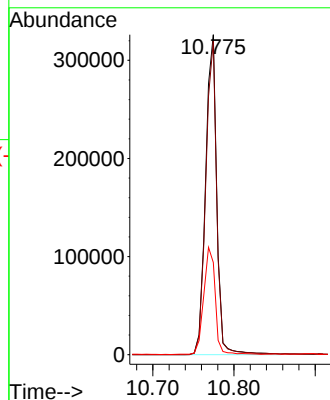
Tgt Ion:330 Resp: 310921

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.4

141 34.6 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 67.701 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

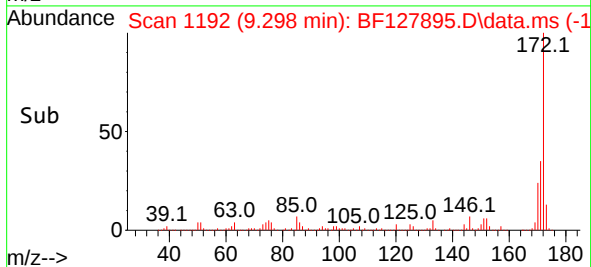
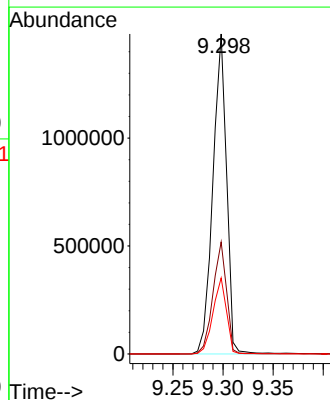
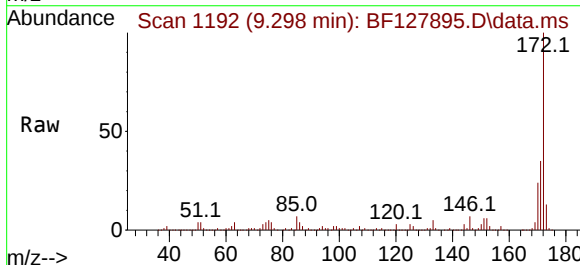
Tgt Ion:172 Resp: 1407798

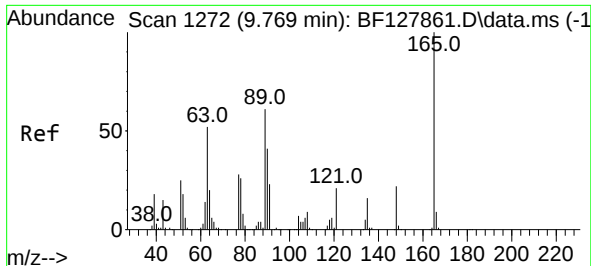
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.8 19.1 28.7

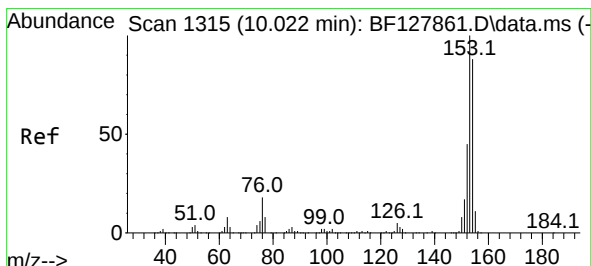
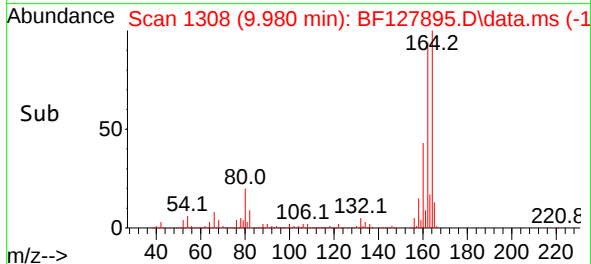
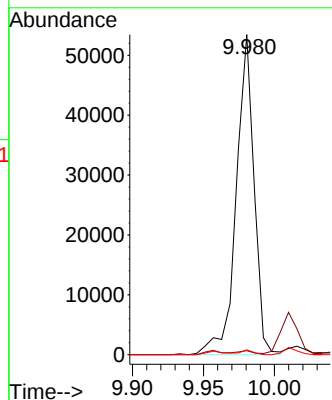
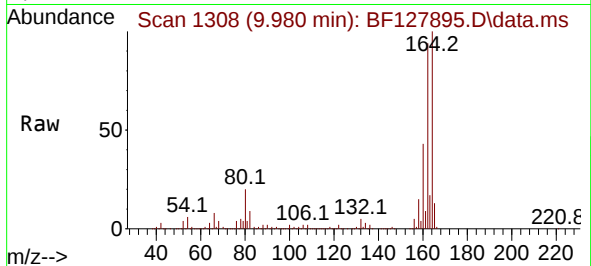




#51
2,6-Dinitrotoluene
Concen: 9.180 ng
RT: 9.980 min Scan# 111
Delta R.T. 0.211 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

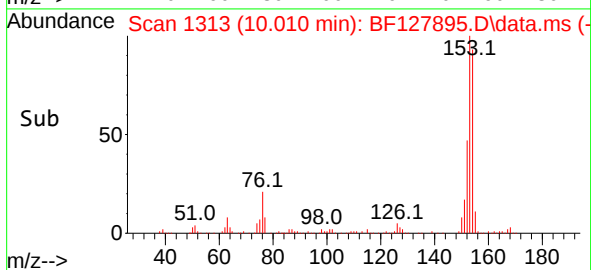
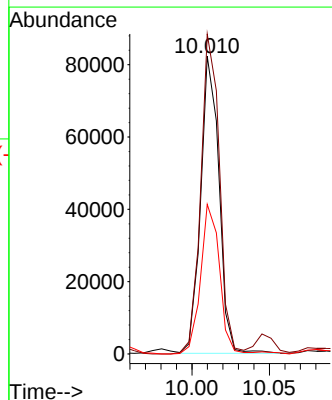
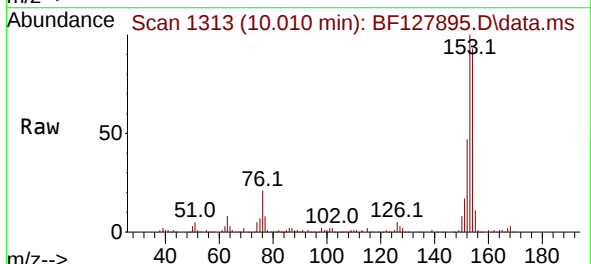
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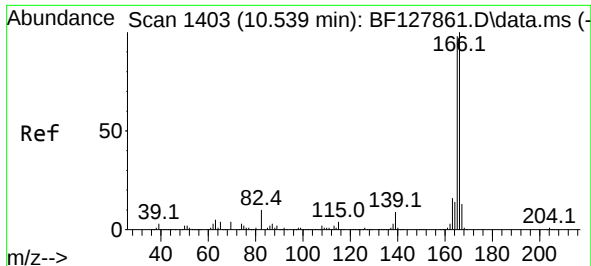
Tgt Ion:165 Resp: 46890
Ion Ratio Lower Upper
165 100
63 1.2 49.5 74.3#
89 1.5 49.0 73.4#



#52
Acenaphthene
Concen: 3.310 ng
RT: 10.010 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

Tgt Ion:154 Resp: 67535
Ion Ratio Lower Upper
154 100
153 107.4 90.5 135.7
152 50.2 41.0 61.6

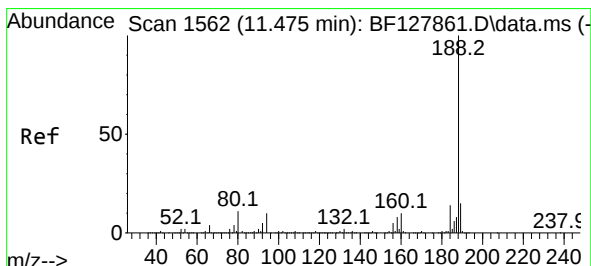
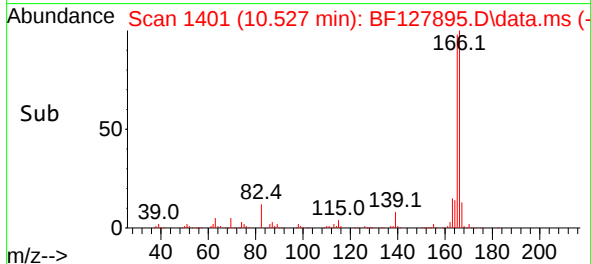
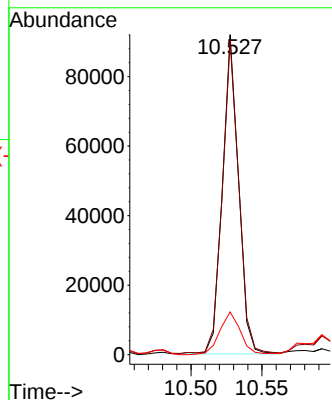
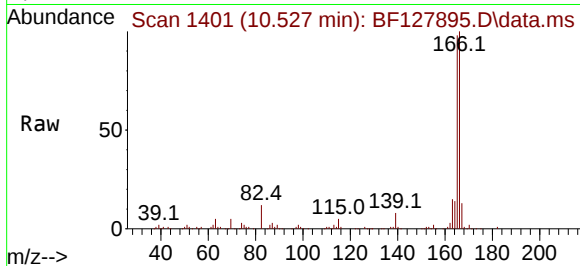




#58
 Fluorene
 Concen: 3.296 ng
 RT: 10.527 min Scan# 1401
 Delta R.T. -0.012 min
 Lab File: BF127895.D
 Acq: 25 Apr 2022 22:14

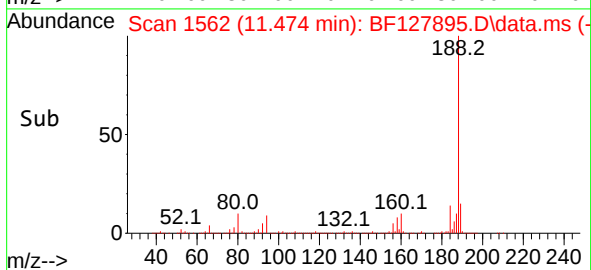
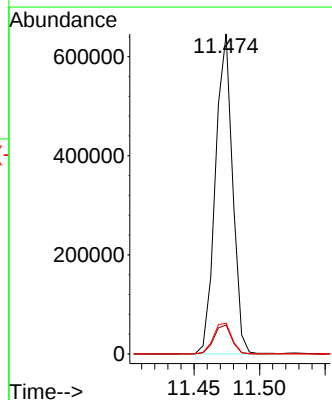
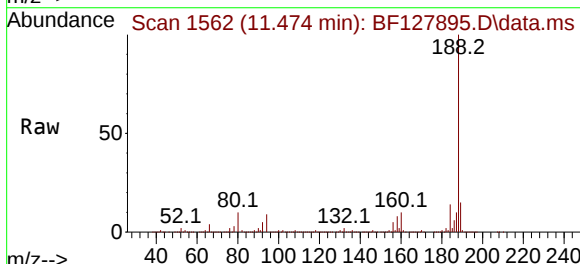
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-0-5

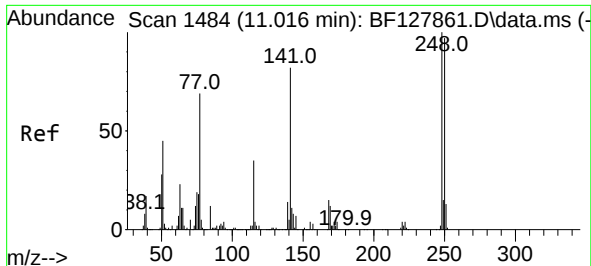
Tgt Ion:166 Resp: 72390
 Ion Ratio Lower Upper
 166 100
 165 98.2 78.6 117.8
 167 13.3 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.474 min Scan# 1562
 Delta R.T. -0.000 min
 Lab File: BF127895.D
 Acq: 25 Apr 2022 22:14

Tgt Ion:188 Resp: 586677
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.0 12.0
 80 9.7 8.9 13.3

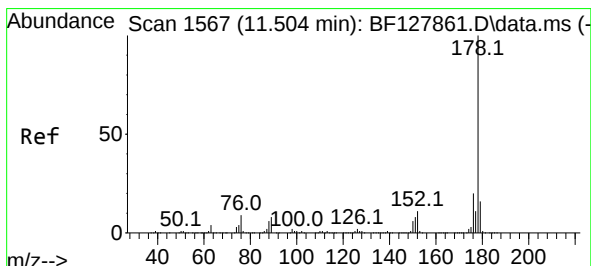
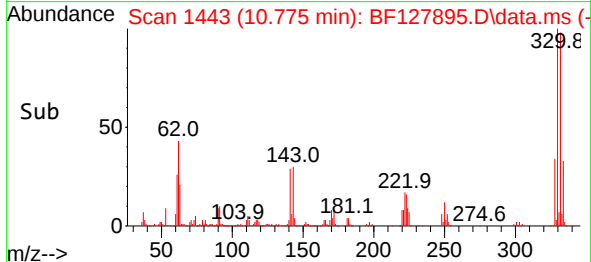
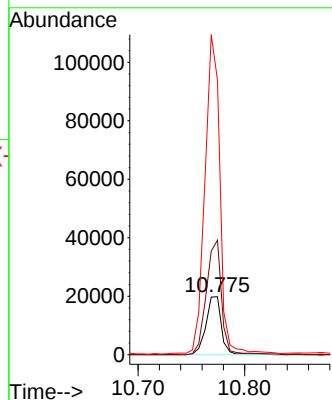
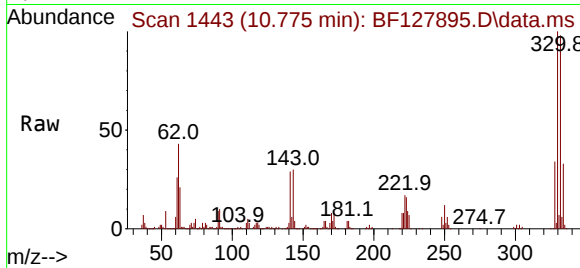




#67
4-Bromophenyl-phenylether
Concen: 3.097 ng
RT: 10.775 min Scan# 1484
Delta R.T. -0.241 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

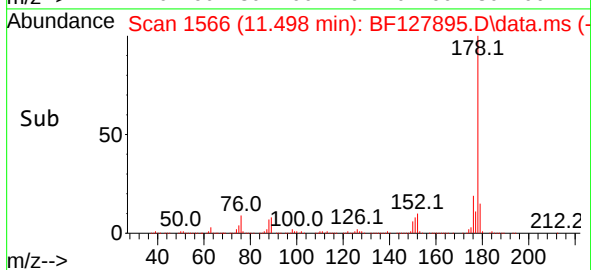
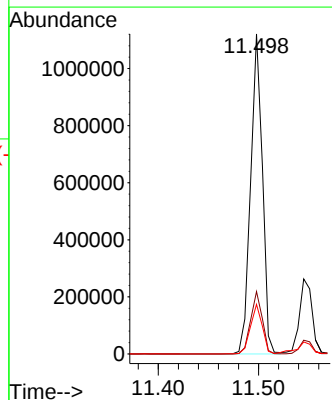
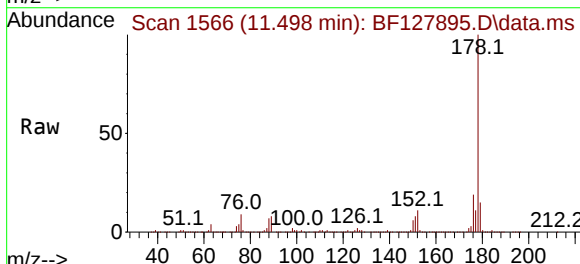
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5

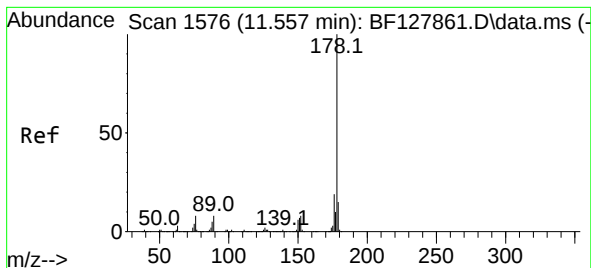
Tgt Ion:248 Resp: 20140
Ion Ratio Lower Upper
248 100
250 197.7 77.7 116.5#
141 474.1 65.6 98.4#



#71
Phenanthrene
Concen: 29.758 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

Tgt Ion:178 Resp: 913867
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.5 12.6 19.0





#72

Anthracene

Concen: 7.299 ng

RT: 11.545 min Scan# 1574

Delta R.T. -0.012 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5

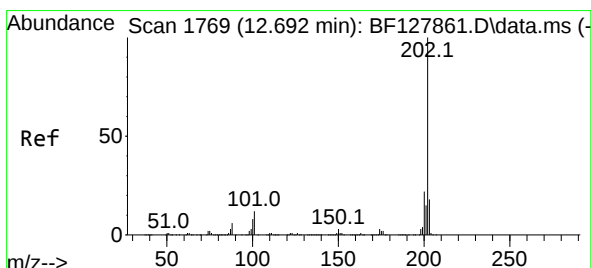
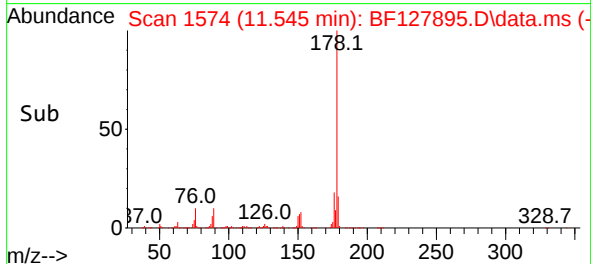
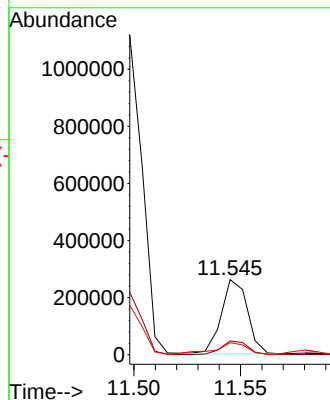
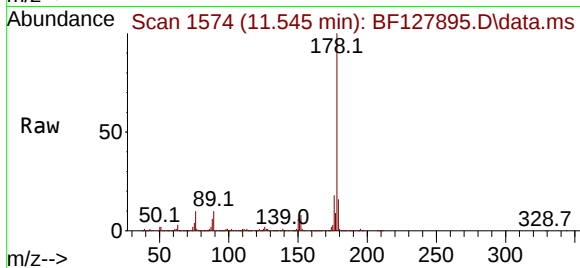
Tgt Ion:178 Resp: 223278

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 16.1 12.4 18.6



#75

Fluoranthene

Concen: 23.111 ng

RT: 12.692 min Scan# 1769

Delta R.T. -0.000 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

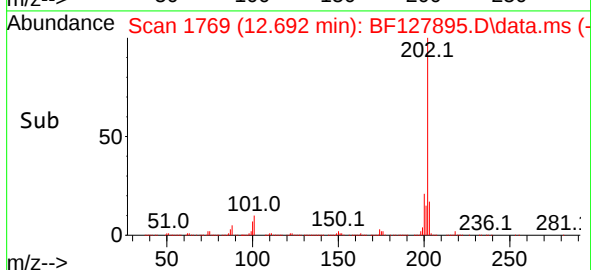
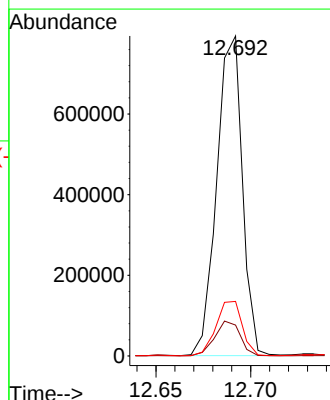
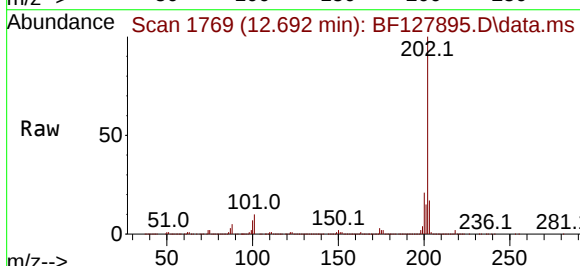
Tgt Ion:202 Resp: 746962

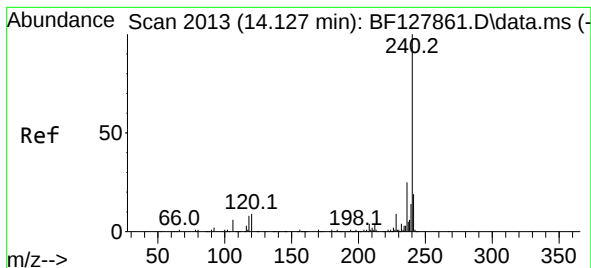
Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.6

203 17.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5

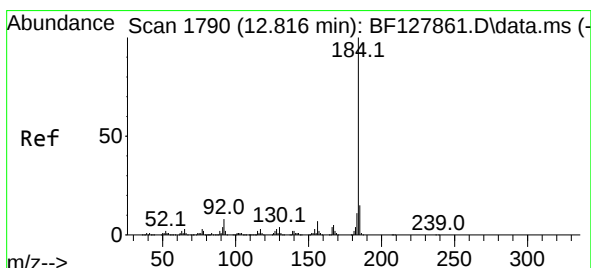
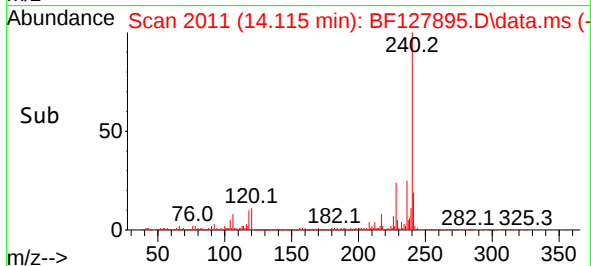
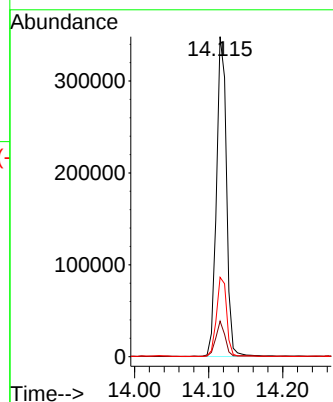
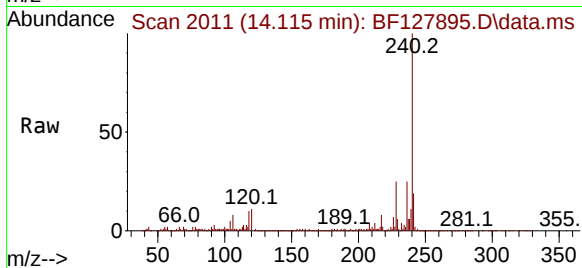
Tgt Ion:240 Resp: 325517

Ion Ratio Lower Upper

240 100

120 11.1 7.0 10.6#

236 24.8 20.3 30.5



#77

Benzidine

Concen: 2.881 ng

RT: 13.063 min Scan# 1832

Delta R.T. 0.247 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

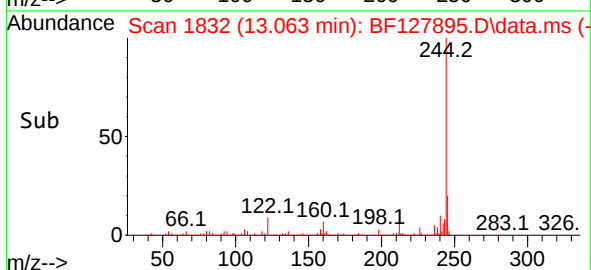
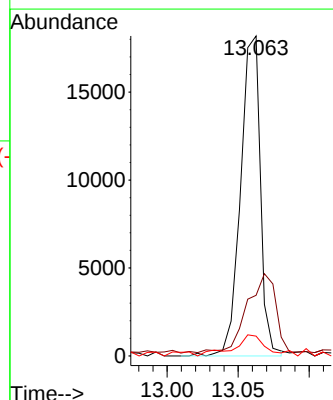
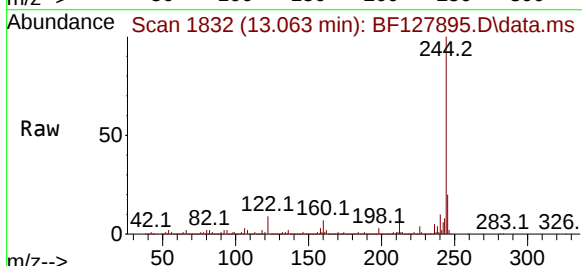
Tgt Ion:184 Resp: 17745

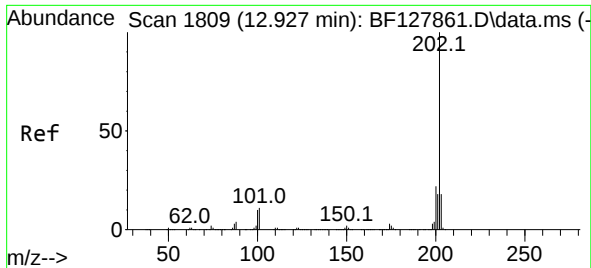
Ion Ratio Lower Upper

184 100

185 19.0 12.1 18.1#

183 6.2 9.0 13.4#

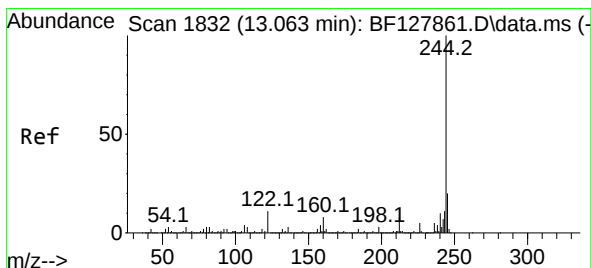
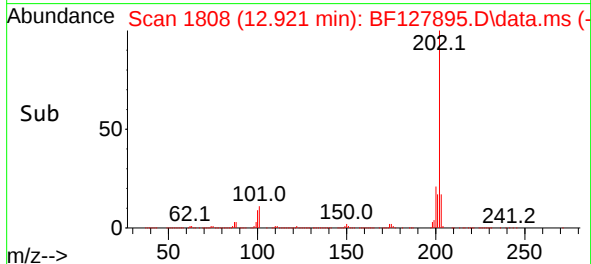
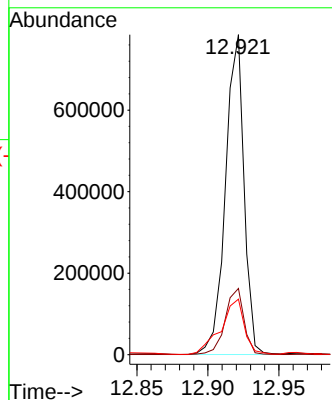
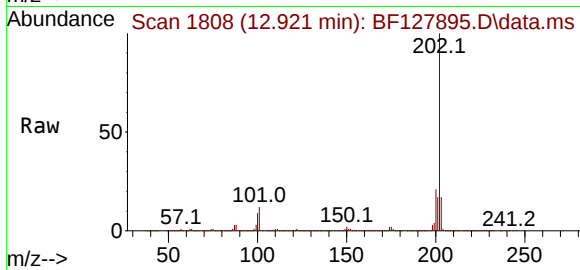




#78
Pyrene
Concen: 27.108 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

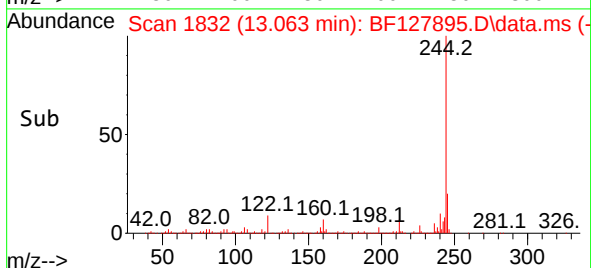
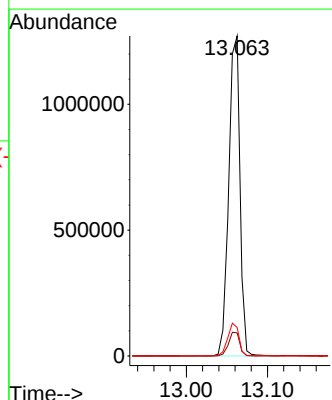
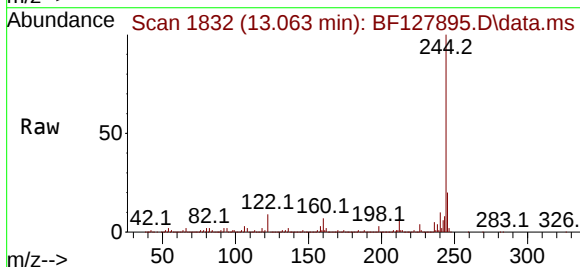
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5

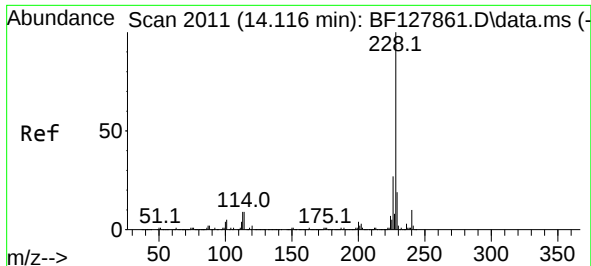
Tgt Ion:202 Resp: 712317
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.4 14.0 21.0



#79
Terphenyl-d14
Concen: 68.936 ng
RT: 13.063 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

Tgt Ion:244 Resp: 1227186
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 8.9 8.6 12.8

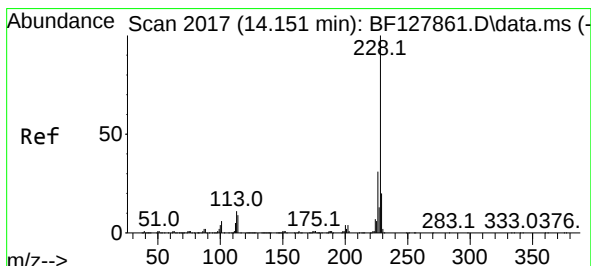
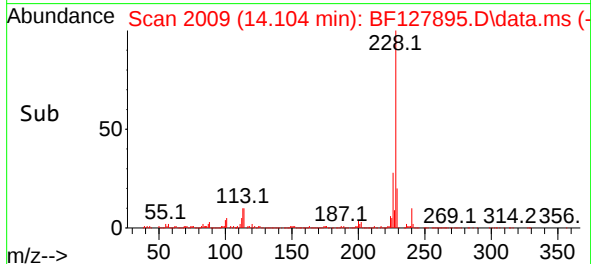
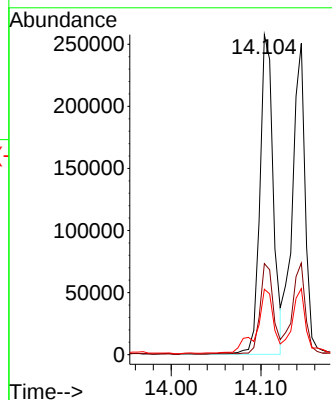
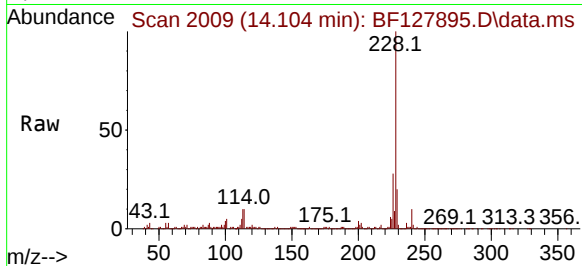




#81
Benzo(a)anthracene
Concen: 12.338 ng
RT: 14.104 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

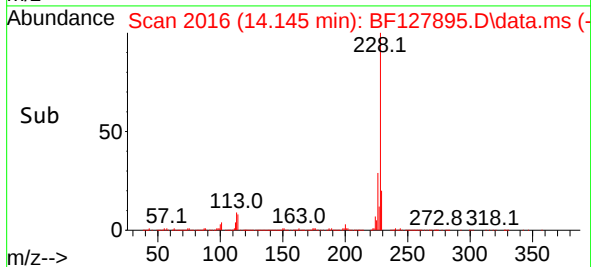
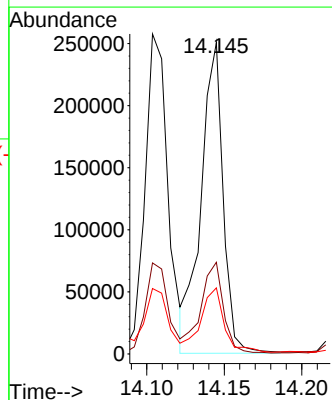
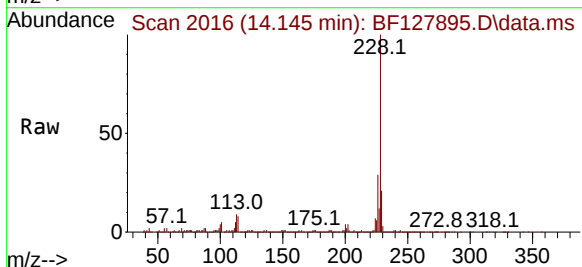
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5

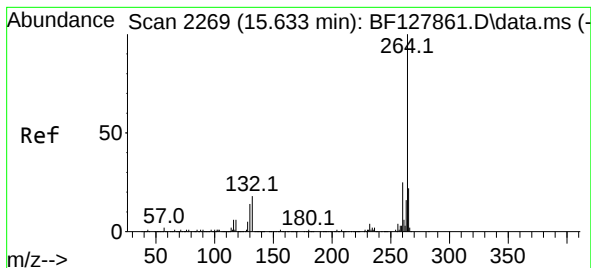
Tgt Ion:228 Resp: 267687
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.5 15.4 23.2



#83
Chrysene
Concen: 12.010 ng
RT: 14.145 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

Tgt Ion:228 Resp: 248858
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 21.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5

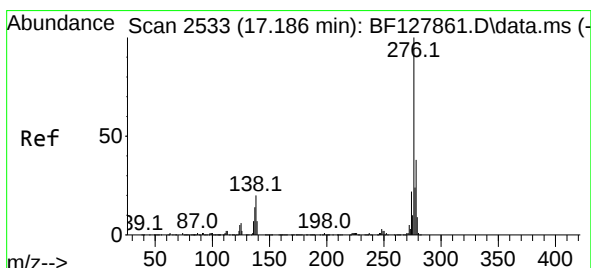
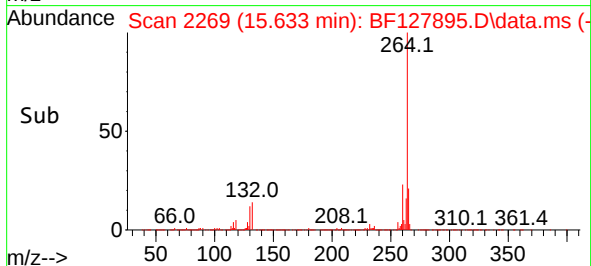
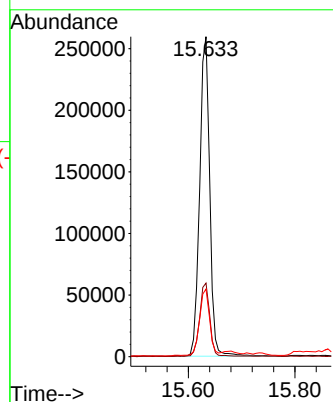
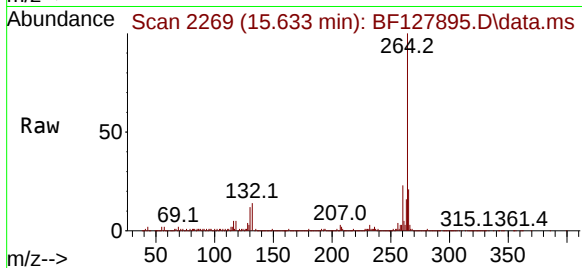
Tgt Ion:264 Resp: 338672

Ion Ratio Lower Upper

264 100

260 23.0 20.1 30.1

265 21.1 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.354 ng

RT: 17.162 min Scan# 2529

Delta R.T. -0.024 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

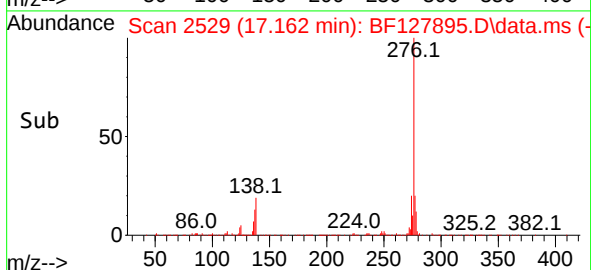
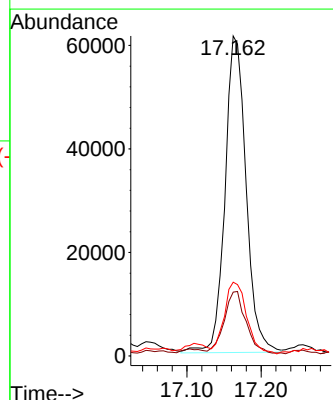
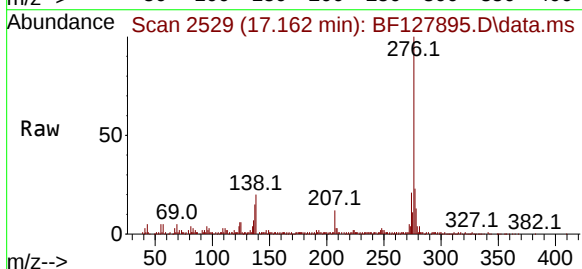
Tgt Ion:276 Resp: 121032

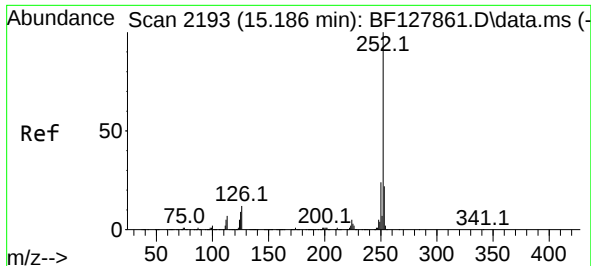
Ion Ratio Lower Upper

276 100

138 20.4 19.0 28.4

277 24.0 20.1 30.1

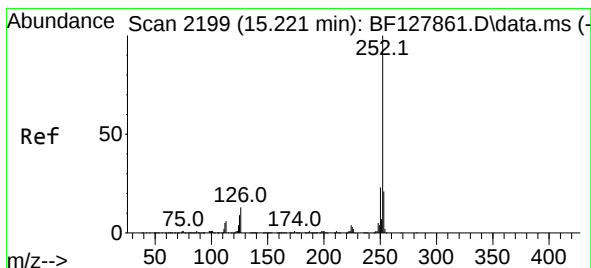
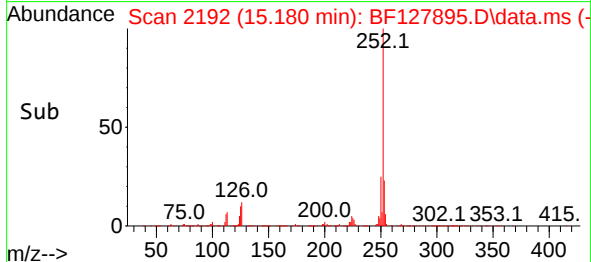
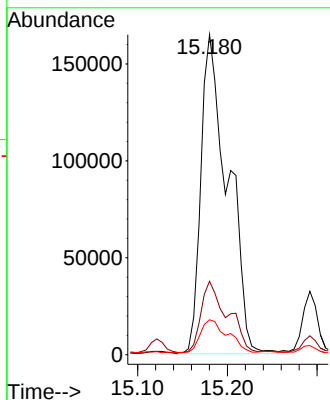
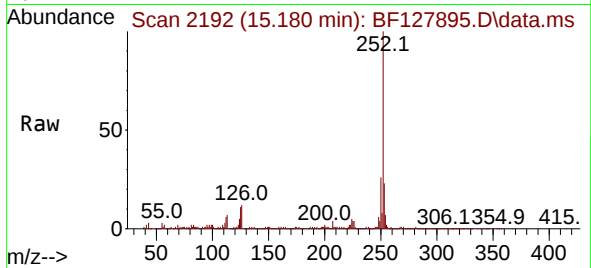




#88
Benzo(b)fluoranthene
Concen: 16.209 ng
RT: 15.180 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

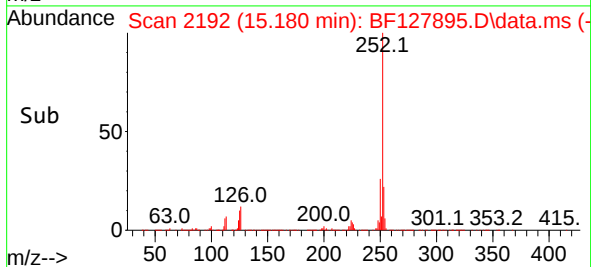
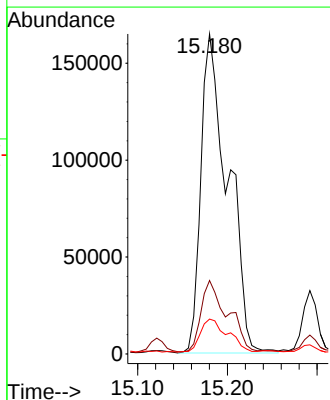
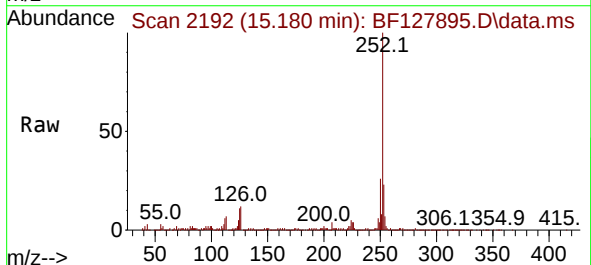
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5

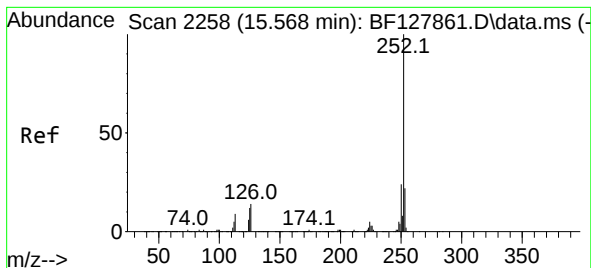
Tgt Ion:252 Resp: 344786
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 10.9 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 16.088 ng
RT: 15.180 min Scan# 2192
Delta R.T. -0.041 min
Lab File: BF127895.D
Acq: 25 Apr 2022 22:14

Tgt Ion:252 Resp: 344786
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 10.9 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 11.701 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5

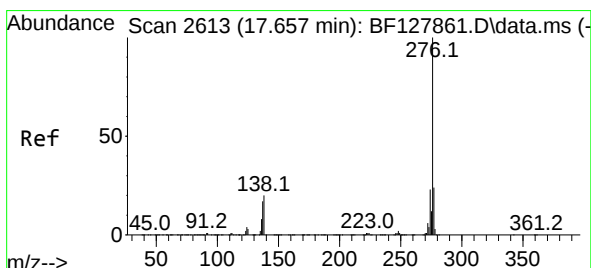
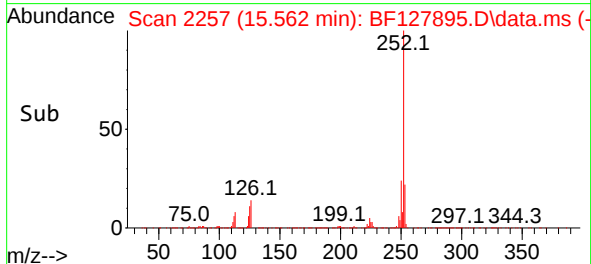
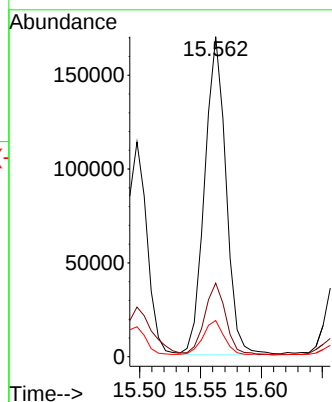
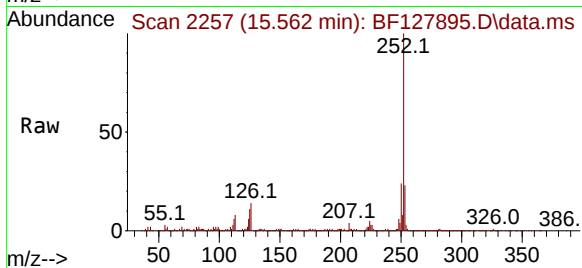
Tgt Ion:252 Resp: 206451

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 11.3 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 6.047 ng

RT: 17.633 min Scan# 2609

Delta R.T. -0.024 min

Lab File: BF127895.D

Acq: 25 Apr 2022 22:14

Tgt Ion:276 Resp: 115532

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 19.9 16.2 24.2

