

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127893.D
 Acq On : 25 Apr 2022 21:18
 Operator : CG\JU
 Sample : N2466-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-5-10

Quant Time: Apr 26 05:40:37 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)

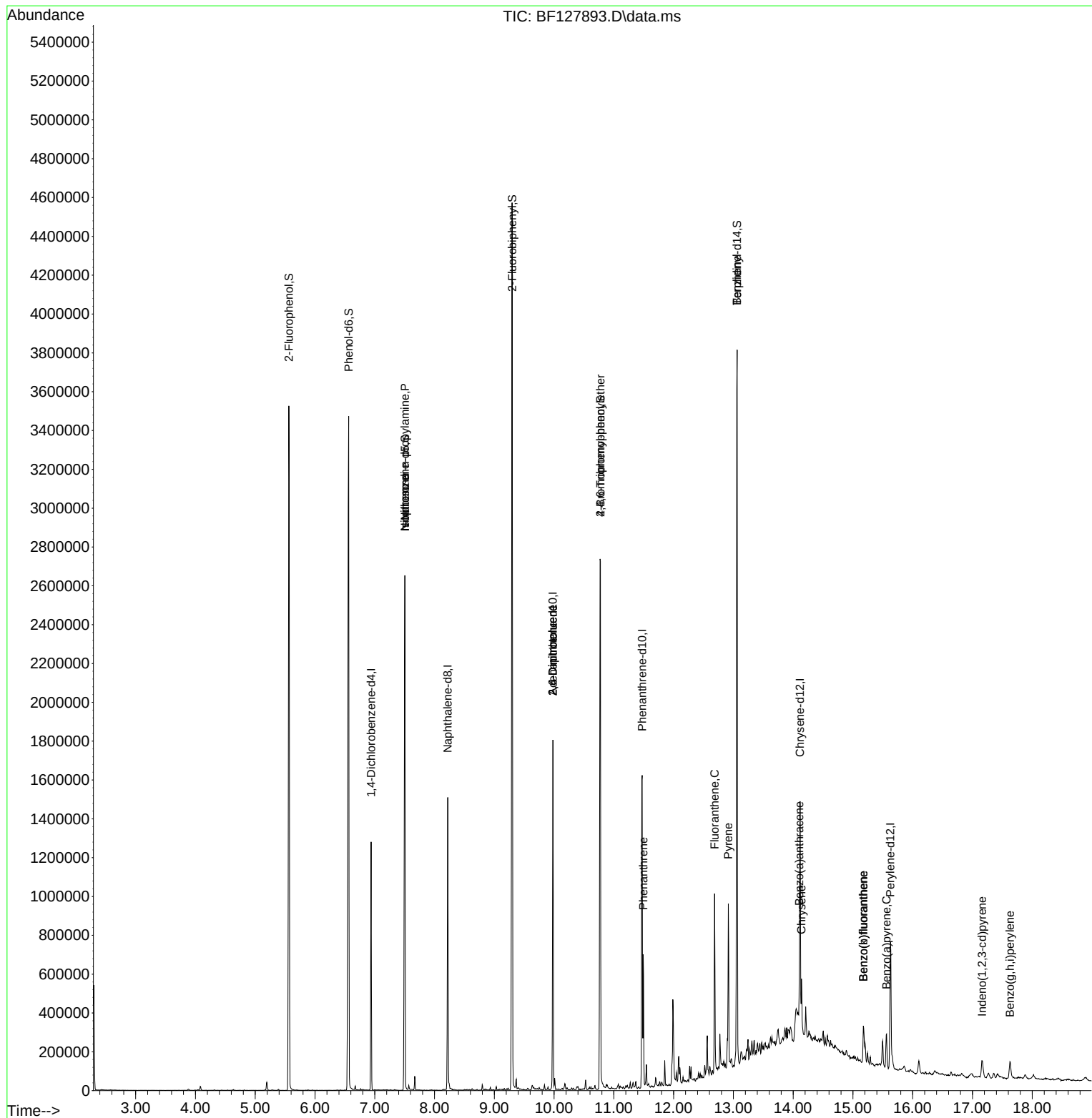
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	159926	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	633304	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	359994	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	633503	20.000	ng	0.00
76) Chrysene-d12	14.116	240	361146	20.000	ng	-0.01
86) Perylene-d12	15.627	264	321900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	992607	98.859	ng	0.00
7) Phenol-d6	6.563	99	1286722	98.763	ng	0.00
23) Nitrobenzene-d5	7.504	82	932176	69.216	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	355801	98.180	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1411863	66.349	ng	0.00
79) Terphenyl-d14	13.063	244	1374967	69.618	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	126350	15.843	ng	# 78
25) Isophorone	7.504	82	932167	41.124	ng	# 68
51) 2,6-Dinitrotoluene	9.981	165	46274	8.852	ng	# 21
57) 2,4-Dinitrotoluene	9.981	165	46274	6.683	ng	# 26
67) 4-Bromophenyl-phenylether	10.775	248	22502	3.204	ng	# 1
71) Phenanthrene	11.492	178	242613	7.316	ng	99
75) Fluoranthene	12.686	202	339609	9.731	ng	98
77) Benzidine	13.063	184	20360	2.979	ng	# 86
78) Pyrene	12.916	202	329777	11.312	ng	98
81) Benzo(a)anthracene	14.104	228	115507	4.799	ng	97
83) Chrysene	14.139	228	115332	5.017	ng	98
87) Indeno(1,2,3-cd)pyrene	17.162	276	66977	3.117	ng	94
88) Benzo(b)fluoranthene	15.174	252	155393	7.686	ng	# 95
89) Benzo(k)fluoranthene	15.174	252	155393	7.629	ng	# 93
90) Benzo(a)pyrene	15.563	252	92572	5.520	ng	99
92) Benzo(g,h,i)perylene	17.627	276	72753	4.006	ng	97

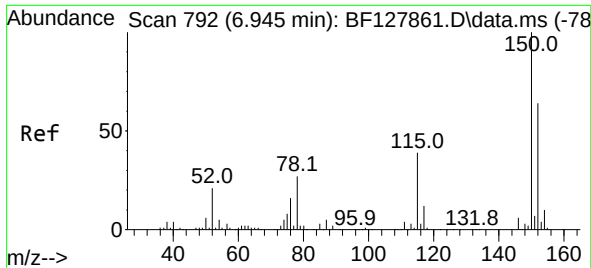
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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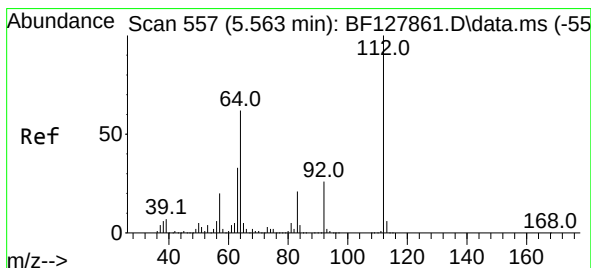
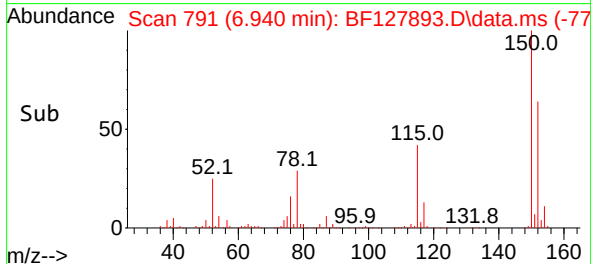
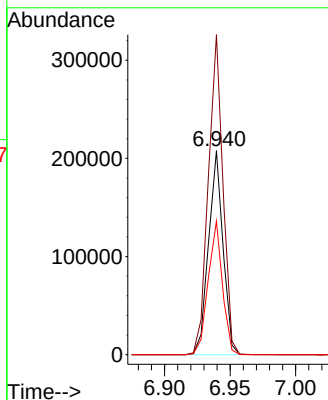
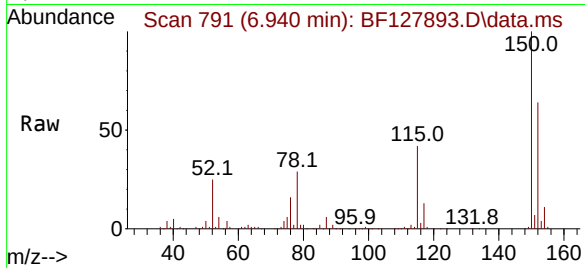




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.940 min Scan# 792
 Delta R.T. -0.005 min
 Lab File: BF127893.D
 Acq: 25 Apr 2022 21:18

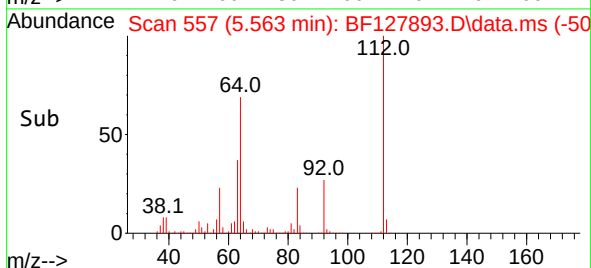
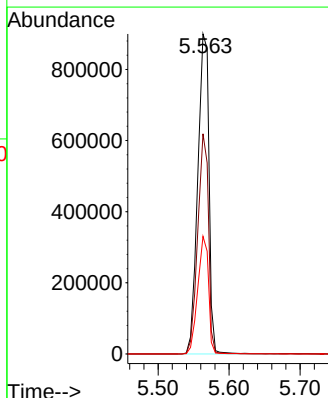
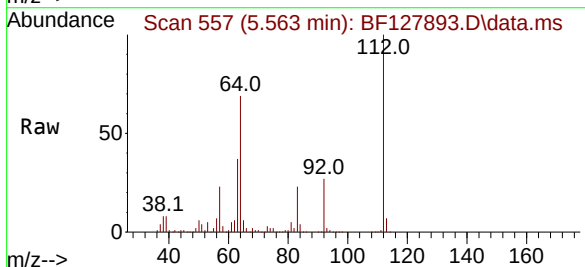
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-5-10

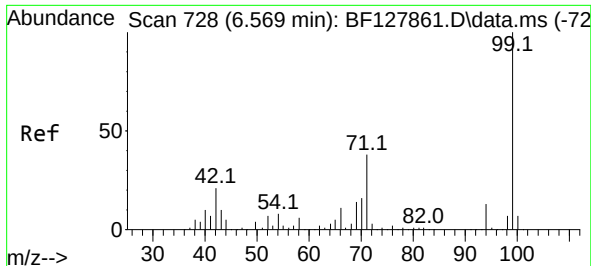
Tgt Ion:152 Resp: 159926
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.3 187.9
 115 65.5 48.8 73.2



#5
 2-Fluorophenol
 Concen: 98.859 ng
 RT: 5.563 min Scan# 557
 Delta R.T. 0.000 min
 Lab File: BF127893.D
 Acq: 25 Apr 2022 21:18

Tgt Ion:112 Resp: 992607
 Ion Ratio Lower Upper
 112 100
 64 68.8 49.5 74.3
 63 36.8 26.3 39.5

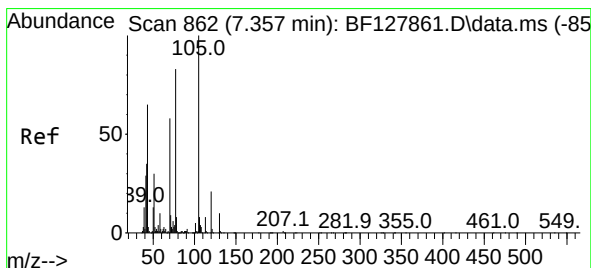
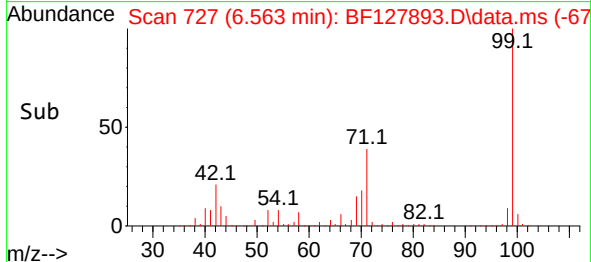
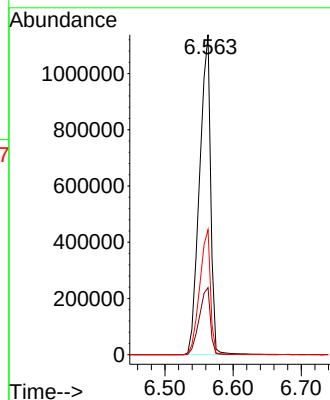
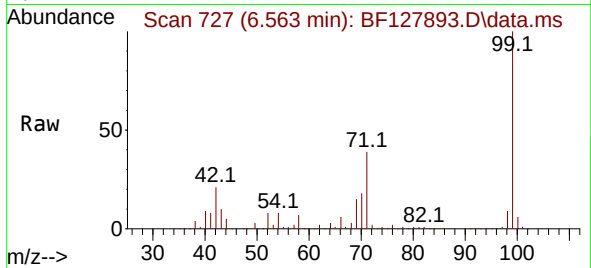




#7
Phenol-d6
Concen: 98.763 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

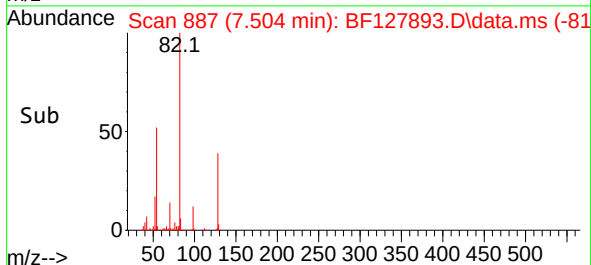
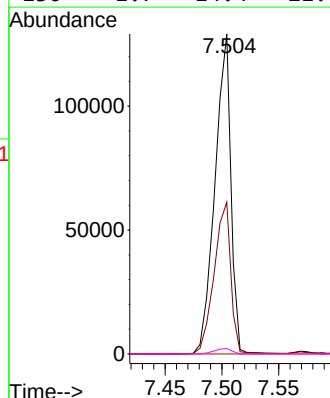
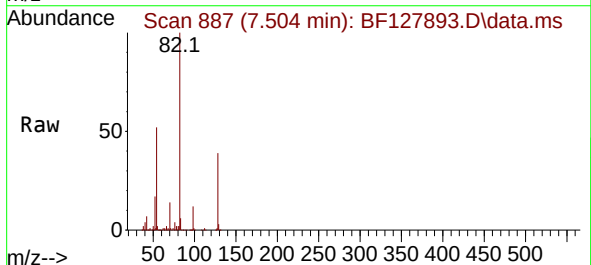
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-5-10

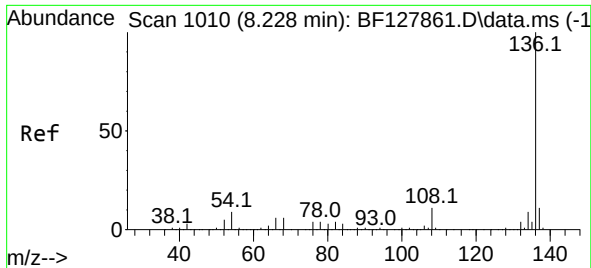
Tgt Ion: 99 Resp: 1286722
Ion Ratio Lower Upper
99 100
42 21.0 16.6 24.8
71 39.1 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.843 ng
RT: 7.504 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

Tgt Ion: 70 Resp: 126350
Ion Ratio Lower Upper
70 100
42 47.4 48.7 73.1#
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#

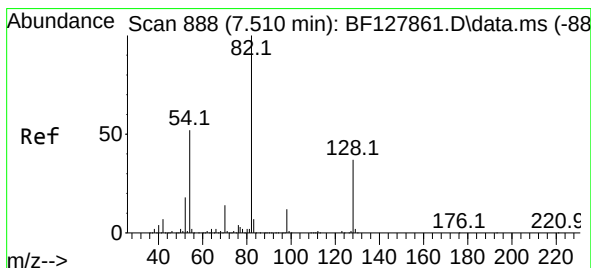
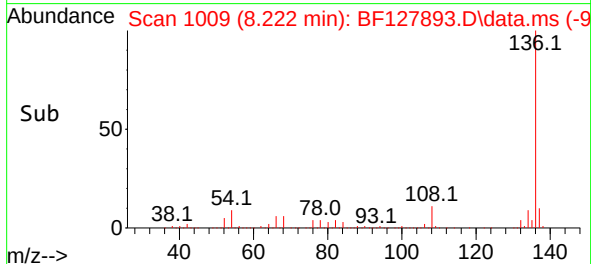
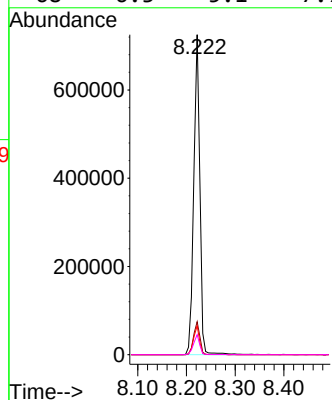
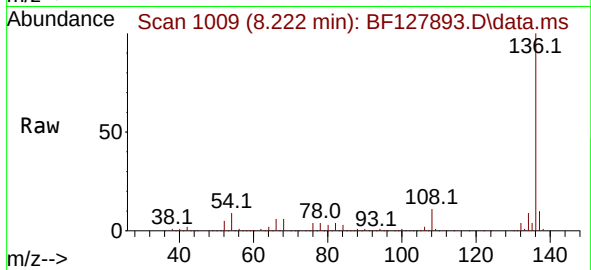




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

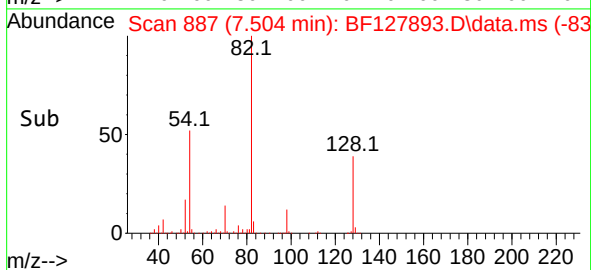
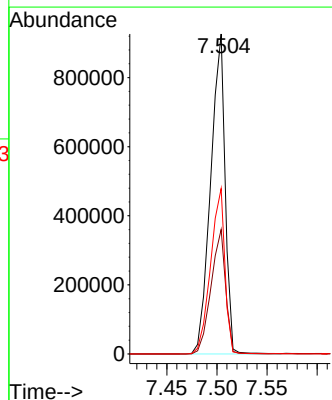
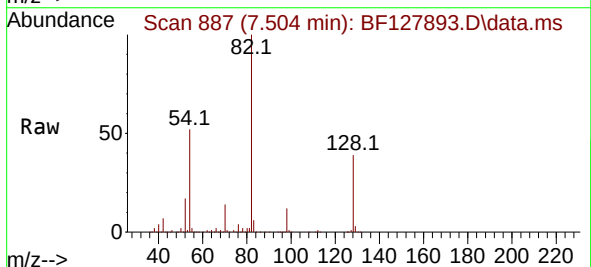
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-5-10

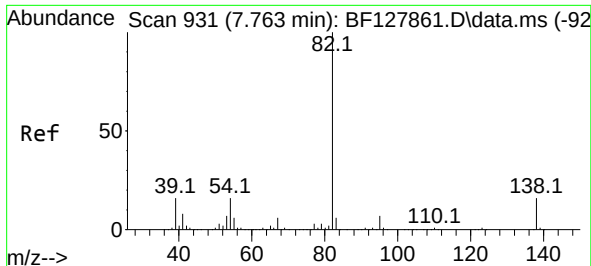
Tgt Ion:	136	Resp:	633304
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	9.0	6.8	10.2
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 69.216 ng
RT: 7.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

Tgt Ion:	82	Resp:	932176
Ion	Ratio	Lower	Upper
82	100		
128	38.9	30.0	45.0
54	51.7	41.3	61.9

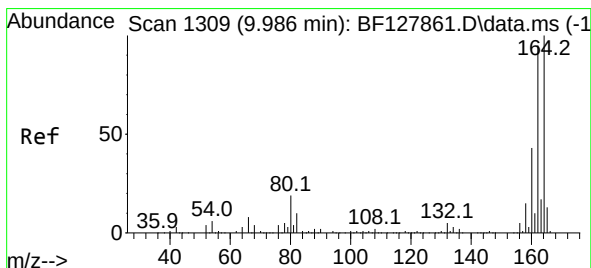
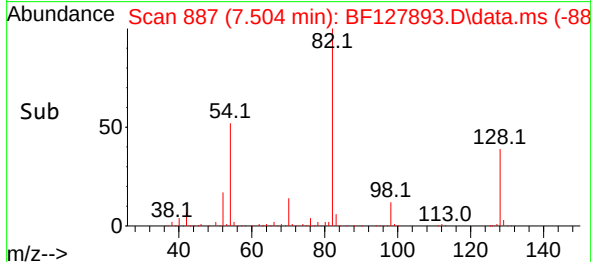
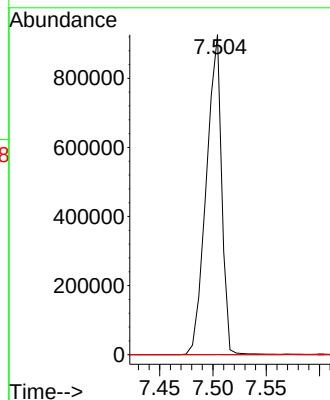
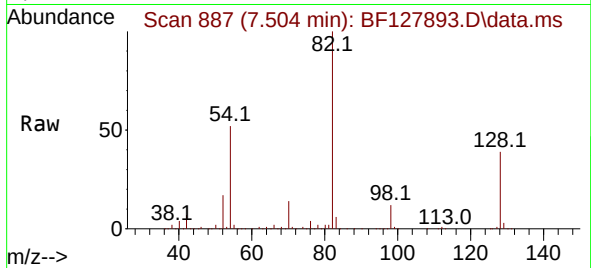




#25
Isophorone
Concen: 41.124 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

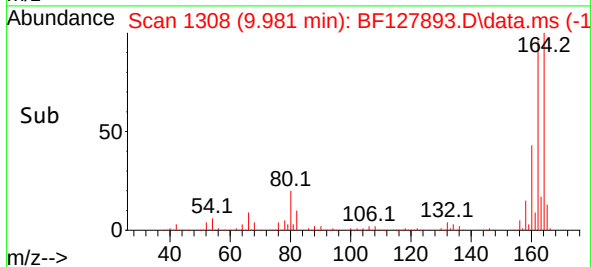
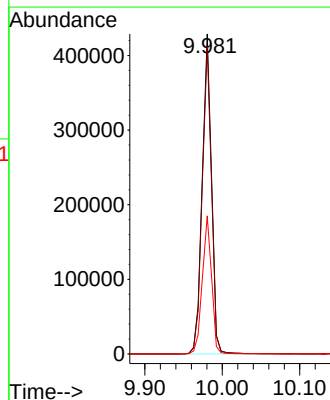
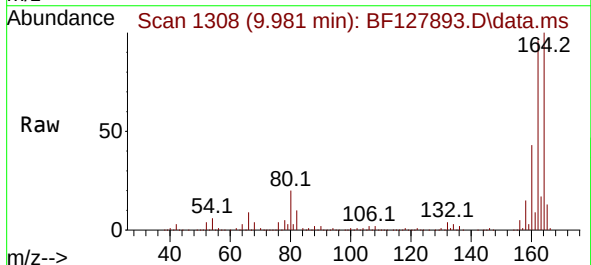
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-5-10

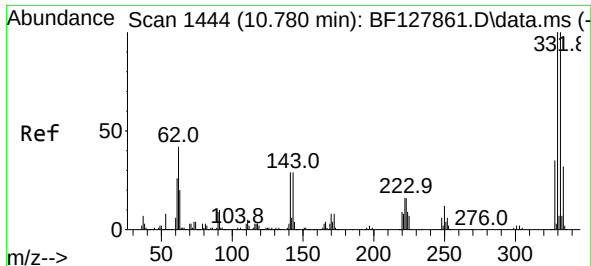
Tgt Ion: 82 Resp: 932167
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

Tgt Ion: 164 Resp: 359994
Ion Ratio Lower Upper
164 100
162 96.0 76.0 114.0
160 43.1 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 98.180 ng

RT: 10.775 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF127893.D

Acq: 25 Apr 2022 21:18

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-5-10

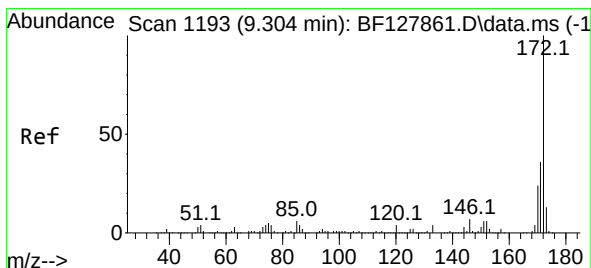
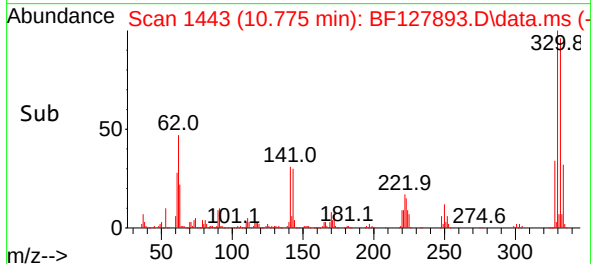
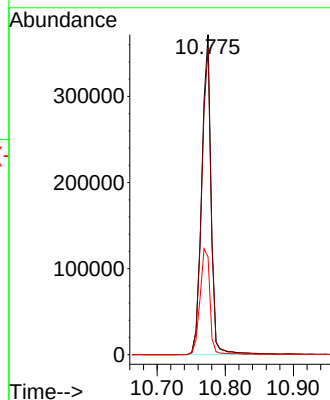
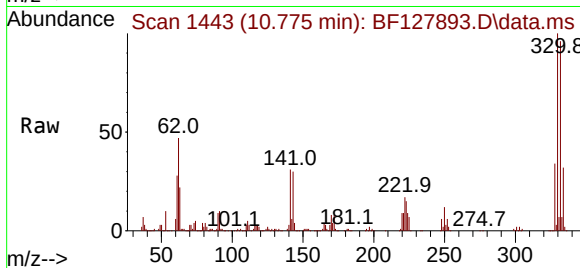
Tgt Ion:330 Resp: 355801

Ion Ratio Lower Upper

330 100

332 96.4 79.0 118.4

141 35.2 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 66.349 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF127893.D

Acq: 25 Apr 2022 21:18

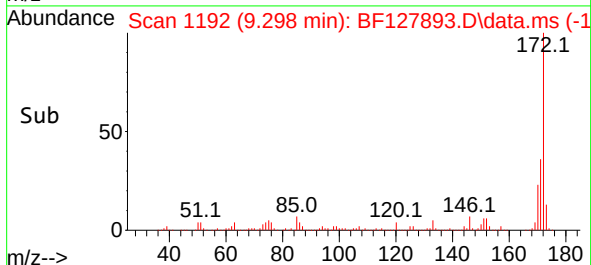
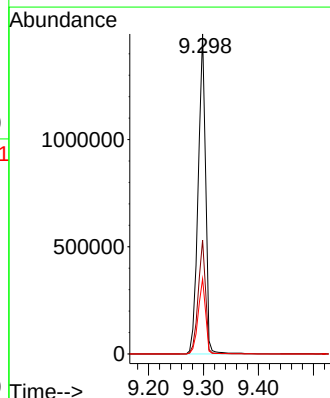
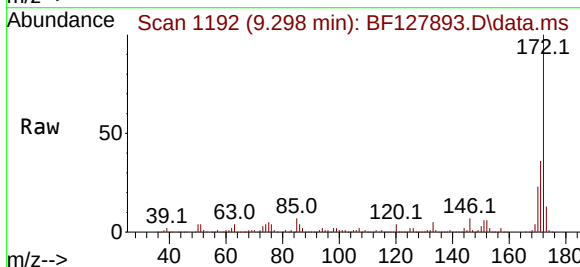
Tgt Ion:172 Resp: 1411863

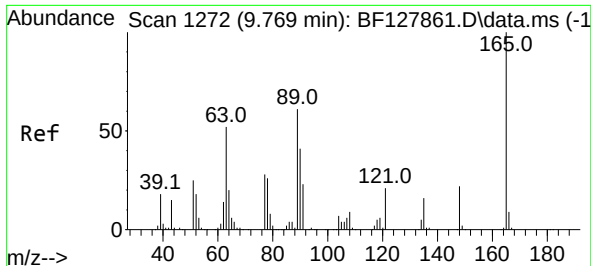
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.5 19.1 28.7

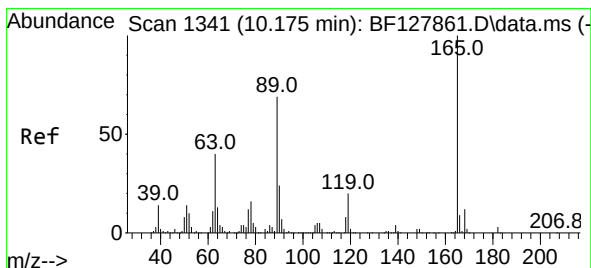
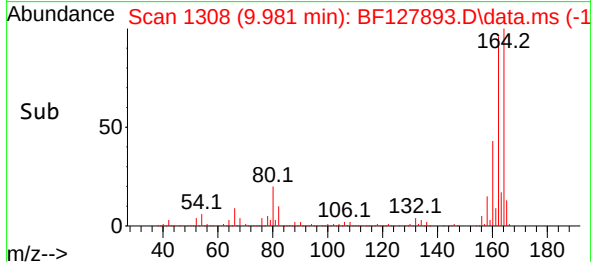
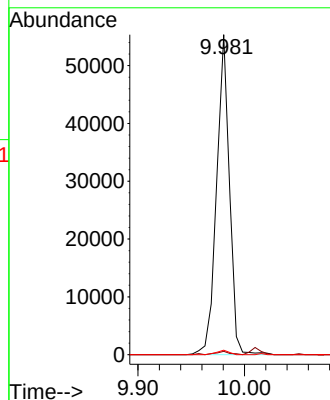
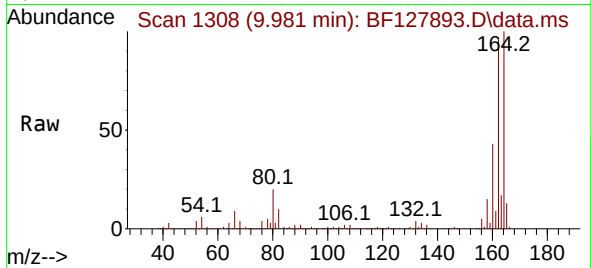




#51
2,6-Dinitrotoluene
Concen: 8.852 ng
RT: 9.981 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

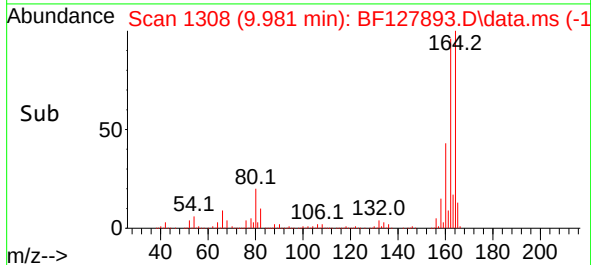
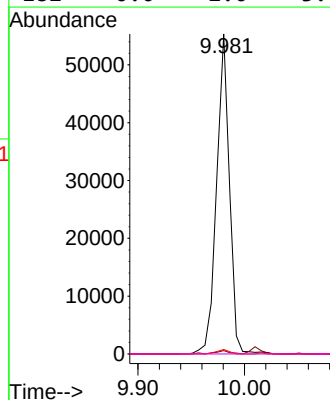
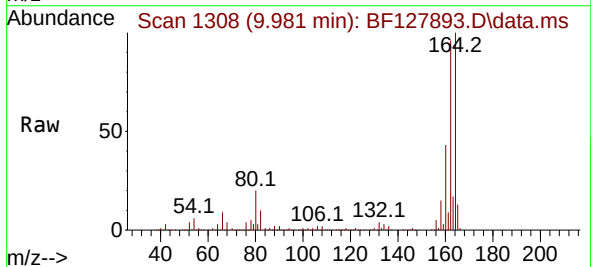
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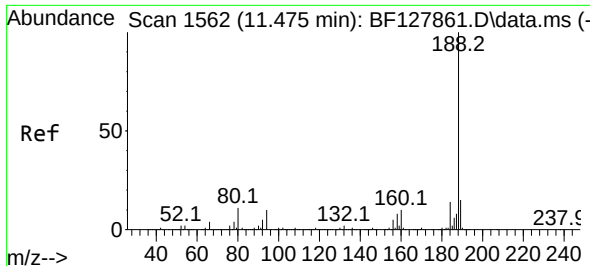
Tgt Ion:165 Resp: 46274
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.4 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.683 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.194 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

Tgt Ion:165 Resp: 46274
Ion Ratio Lower Upper
165 100
63 1.0 32.6 49.0#
89 1.4 55.2 82.8#
182 0.0 2.0 3.0#

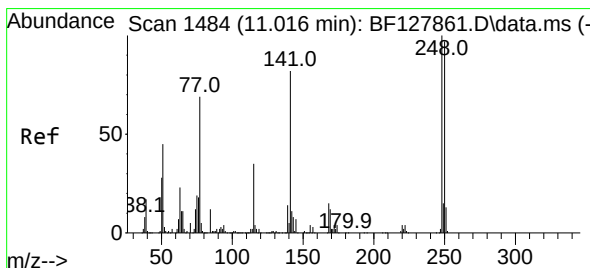
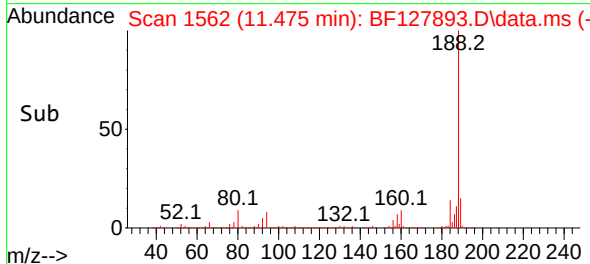
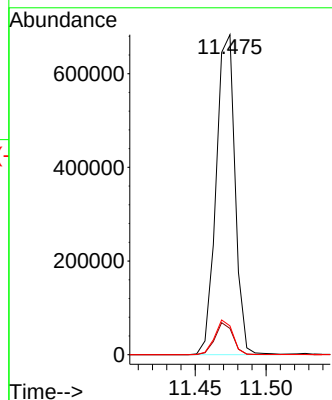
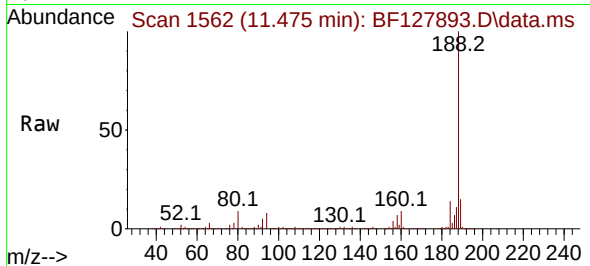




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

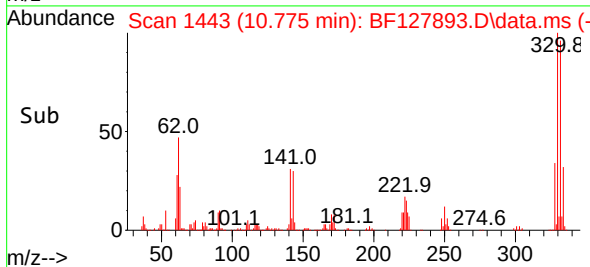
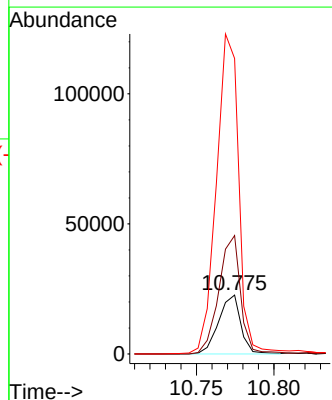
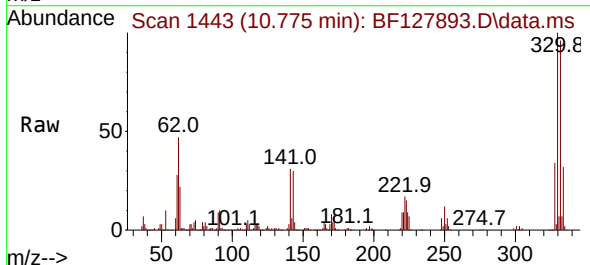
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-5-10

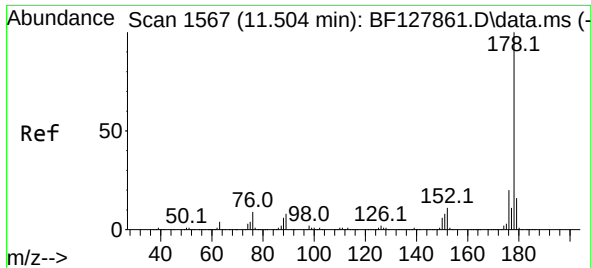
Tgt Ion:188 Resp: 633503
Ion Ratio Lower Upper
188 100
94 8.2 8.0 12.0
80 9.0 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.204 ng
RT: 10.775 min Scan# 1443
Delta R.T. -0.241 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

Tgt Ion:248 Resp: 22502
Ion Ratio Lower Upper
248 100
250 201.2 77.7 116.5#
141 502.3 65.6 98.4#

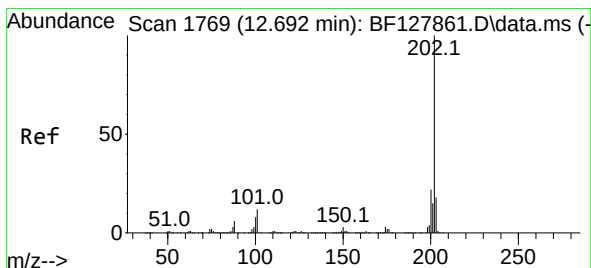
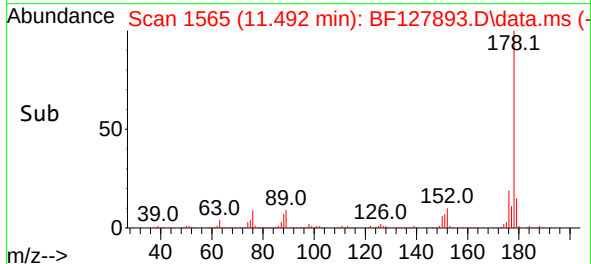
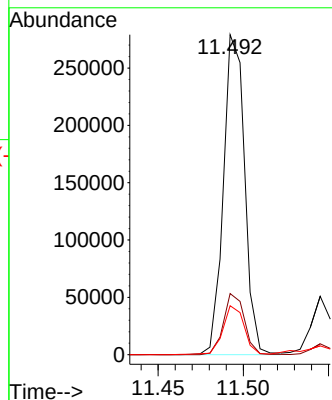
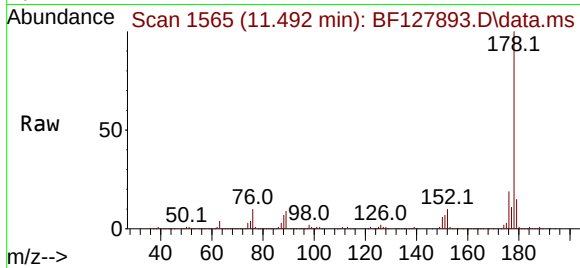




#71
Phenanthrene
Concen: 7.316 ng
RT: 11.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

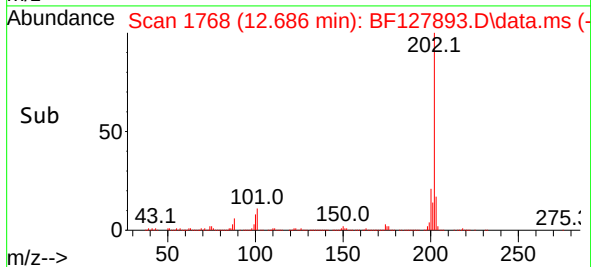
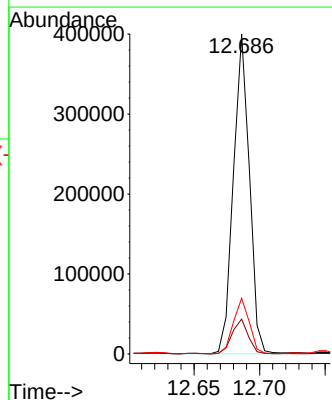
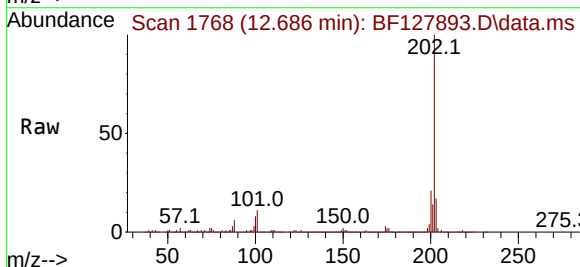
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-5-10

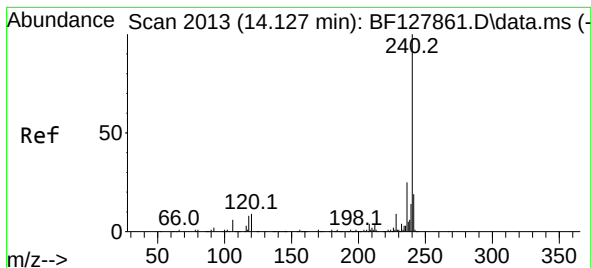
Tgt Ion:178 Resp: 242613
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.3 12.6 19.0



#75
Fluoranthene
Concen: 9.731 ng
RT: 12.686 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

Tgt Ion:202 Resp: 339609
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.6
203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.116 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127893.D

Acq: 25 Apr 2022 21:18

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-5-10

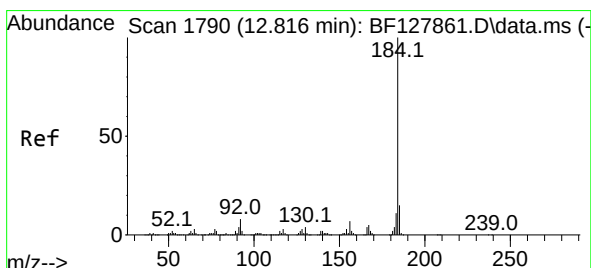
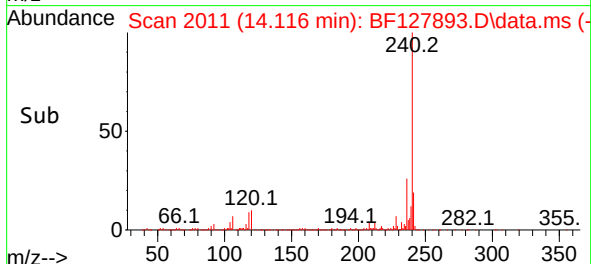
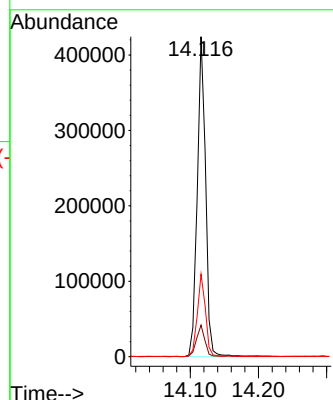
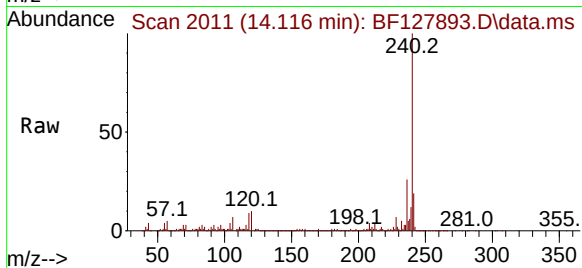
Tgt Ion:240 Resp: 361146

Ion Ratio Lower Upper

240 100

120 9.8 7.0 10.6

236 25.8 20.3 30.5



#77

Benidine

Concen: 2.979 ng

RT: 13.063 min Scan# 1832

Delta R.T. 0.247 min

Lab File: BF127893.D

Acq: 25 Apr 2022 21:18

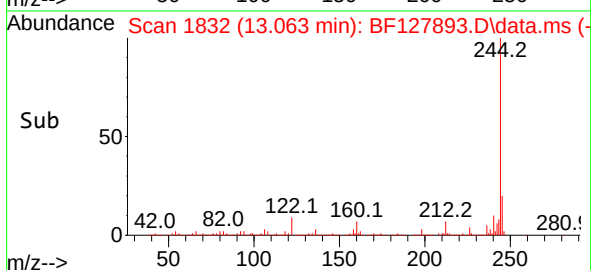
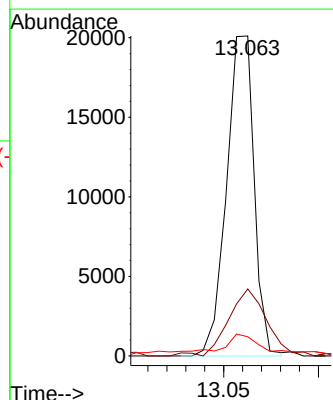
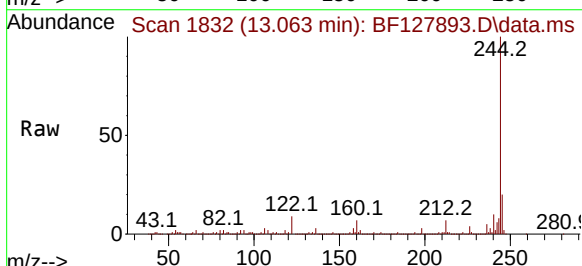
Tgt Ion:184 Resp: 20360

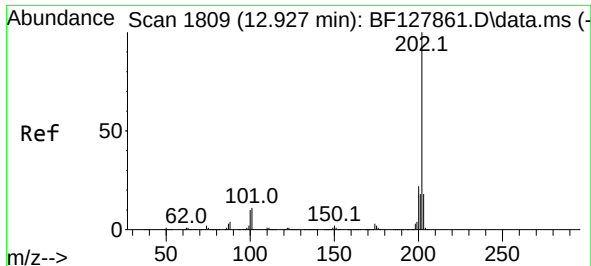
Ion Ratio Lower Upper

184 100

185 20.9 12.1 18.1#

183 6.0 9.0 13.4#

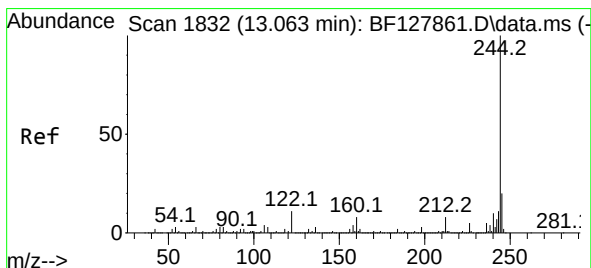
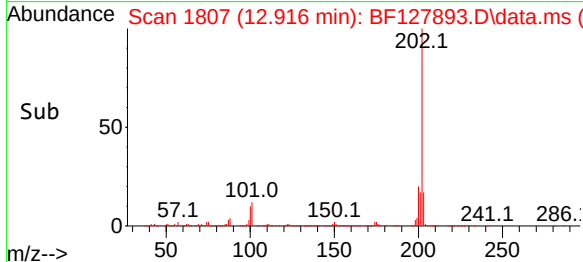
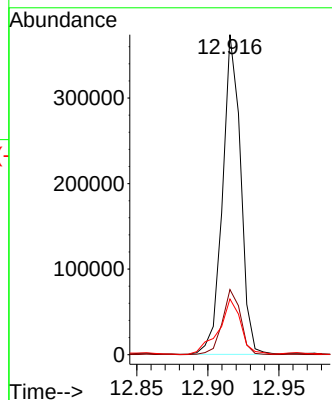
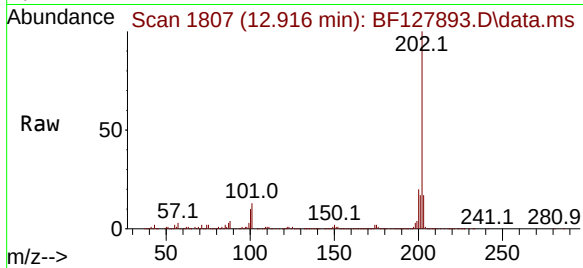




#78
 Pyrene
 Concen: 11.312 ng
 RT: 12.916 min Scan# 1807
 Delta R.T. -0.012 min
 Lab File: BF127893.D
 Acq: 25 Apr 2022 21:18

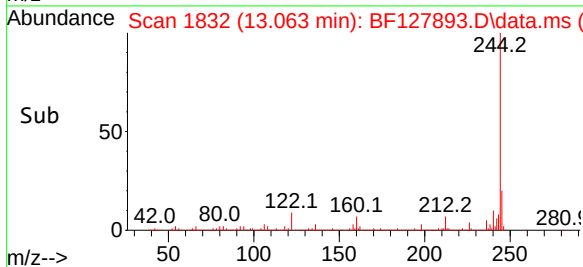
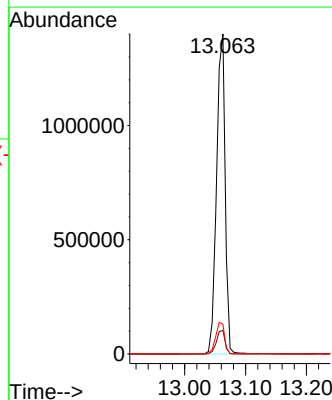
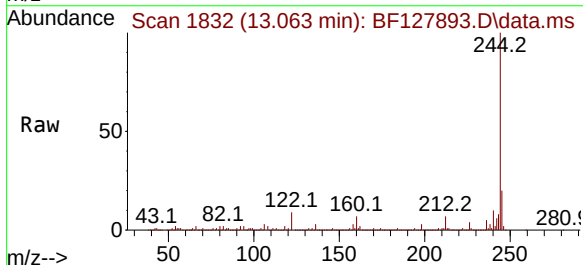
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB2-041822-5-10

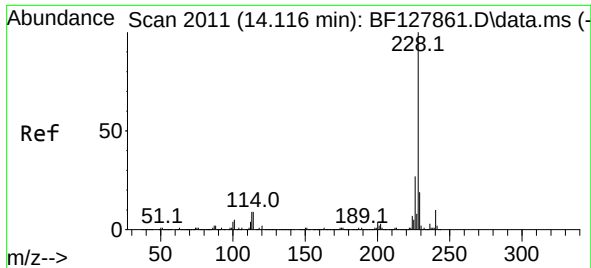
Tgt Ion:202 Resp: 329777
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.4 26.2
 203 17.4 14.0 21.0



#79
 Terphenyl-d14
 Concen: 69.618 ng
 RT: 13.063 min Scan# 1832
 Delta R.T. 0.000 min
 Lab File: BF127893.D
 Acq: 25 Apr 2022 21:18

Tgt Ion:244 Resp: 1374967
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 9.2 8.6 12.8

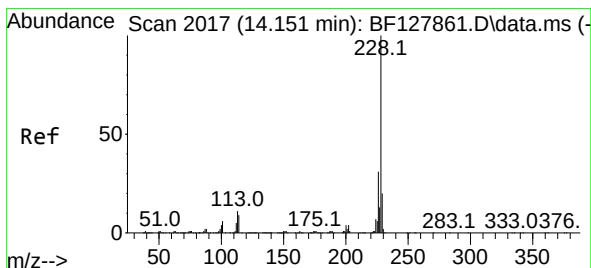
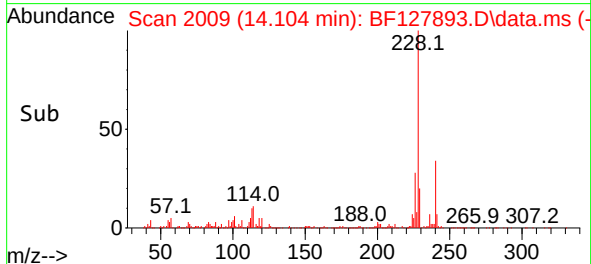
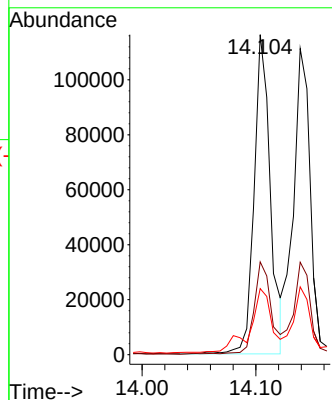
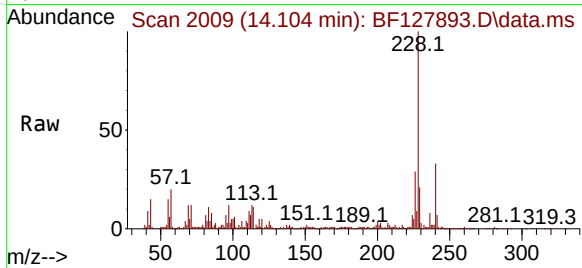




#81
Benzo(a)anthracene
Concen: 4.799 ng
RT: 14.104 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

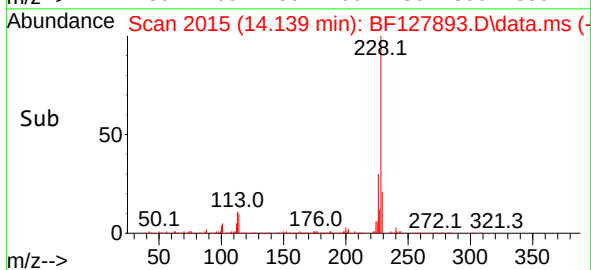
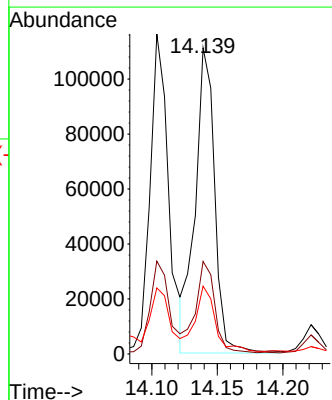
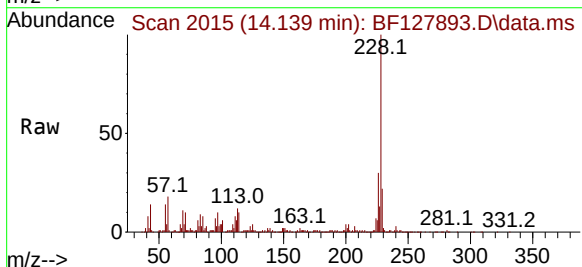
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-5-10

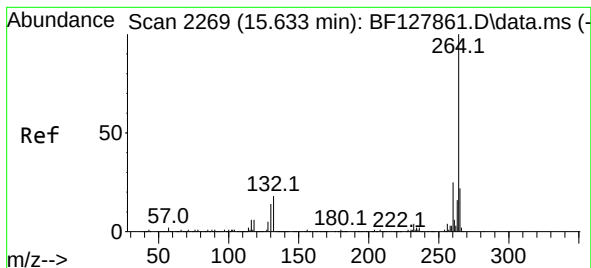
Tgt Ion:228 Resp: 115507
Ion Ratio Lower Upper
228 100
226 29.0 21.7 32.5
229 20.6 15.4 23.2



#83
Chrysene
Concen: 5.017 ng
RT: 14.139 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

Tgt Ion:228 Resp: 115332
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 22.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127893.D

Acq: 25 Apr 2022 21:18

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-5-10

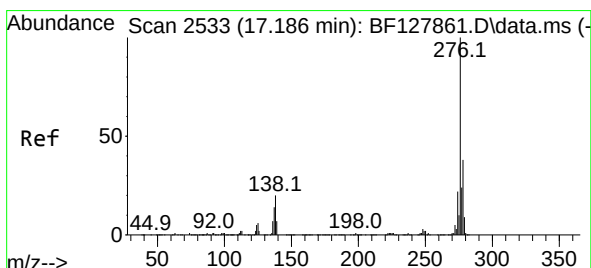
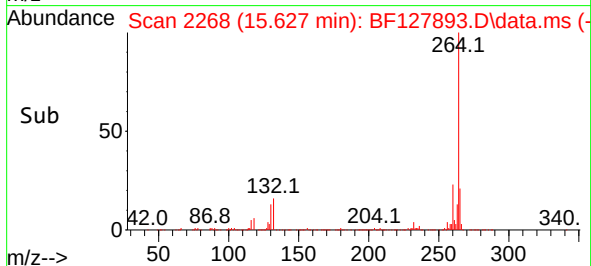
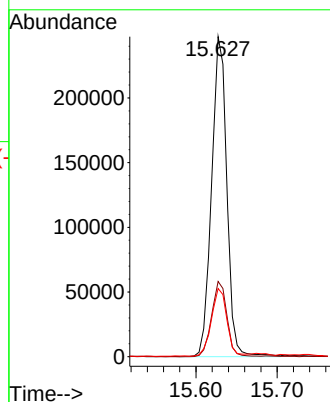
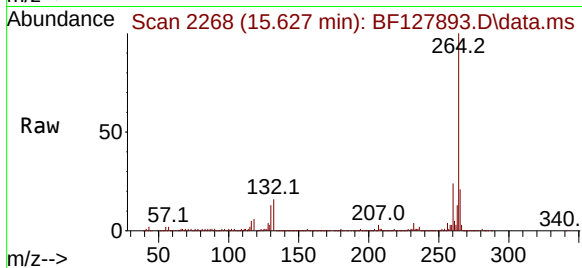
Tgt Ion:264 Resp: 321900

Ion Ratio Lower Upper

264 100

260 23.5 20.1 30.1

265 21.3 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.117 ng

RT: 17.162 min Scan# 2529

Delta R.T. -0.024 min

Lab File: BF127893.D

Acq: 25 Apr 2022 21:18

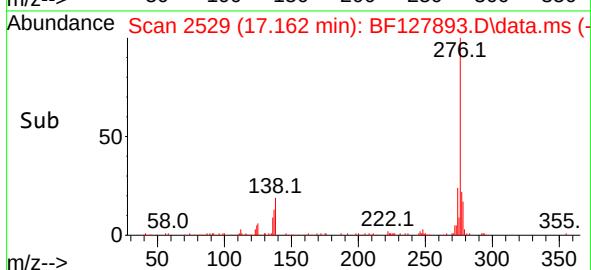
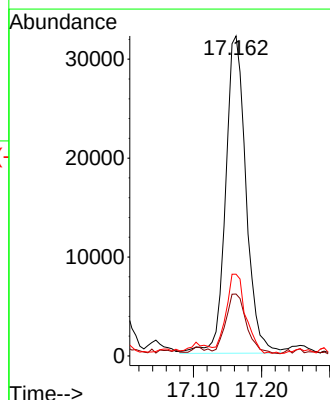
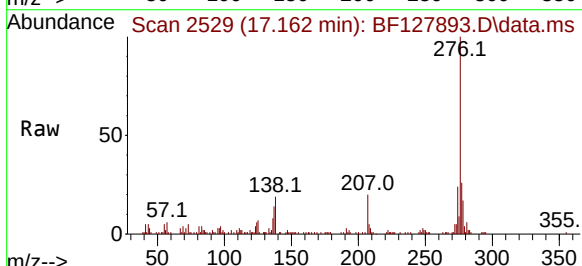
Tgt Ion:276 Resp: 66977

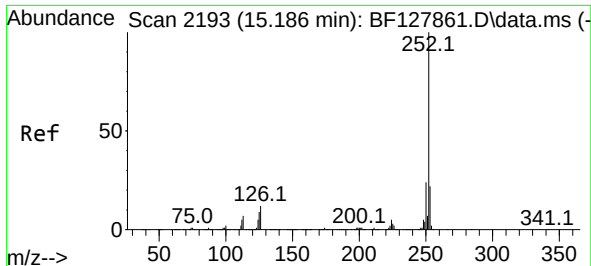
Ion Ratio Lower Upper

276 100

138 19.2 19.0 28.4

277 23.9 20.1 30.1

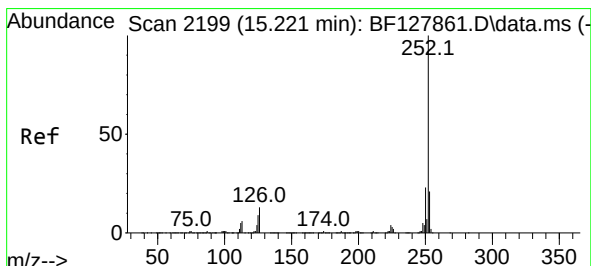
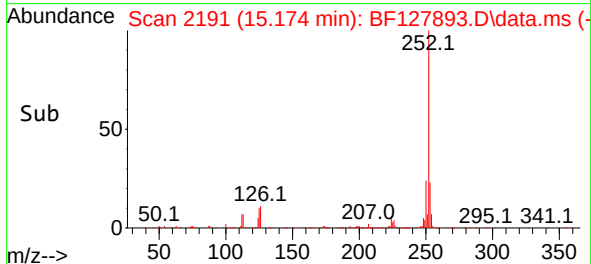
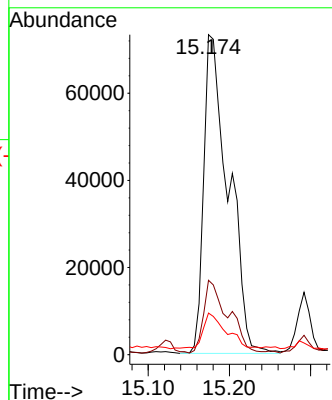
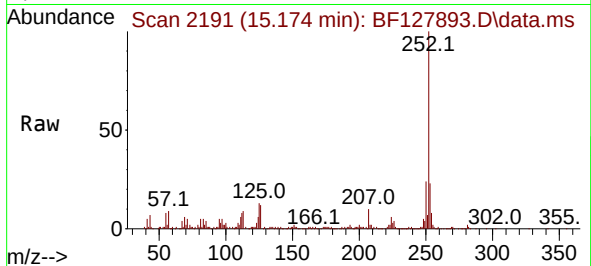




#88
Benzo(b)fluoranthene
Concen: 7.686 ng
RT: 15.174 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

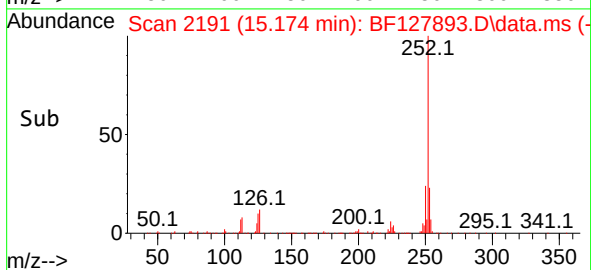
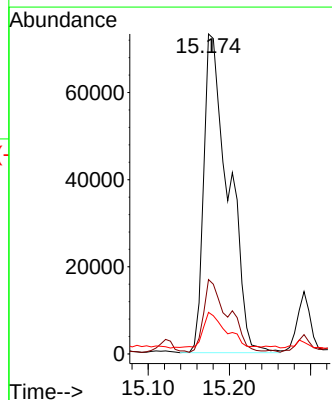
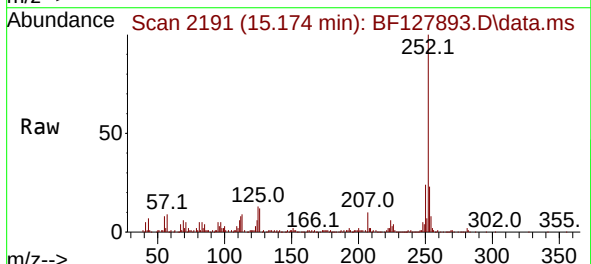
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-5-10

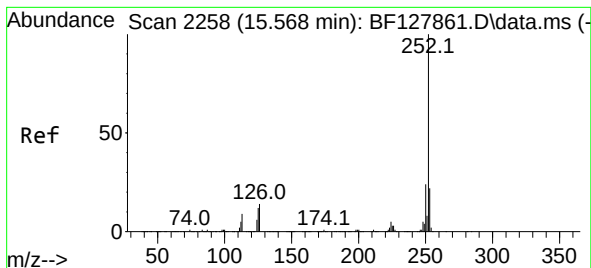
Tgt Ion:252 Resp: 155393
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 13.0 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 7.629 ng
RT: 15.174 min Scan# 2191
Delta R.T. -0.047 min
Lab File: BF127893.D
Acq: 25 Apr 2022 21:18

Tgt Ion:252 Resp: 155393
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 13.0 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 5.520 ng

RT: 15.563 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127893.D

Acq: 25 Apr 2022 21:18

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-5-10

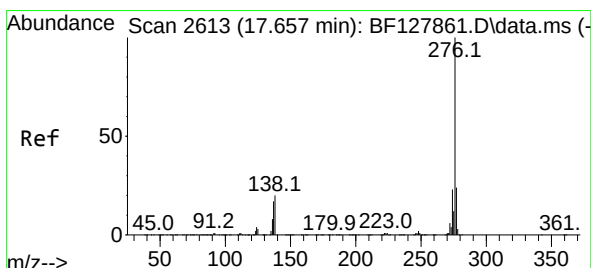
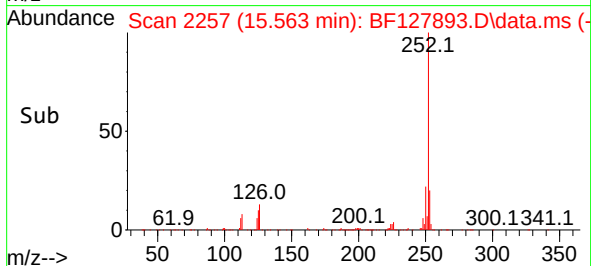
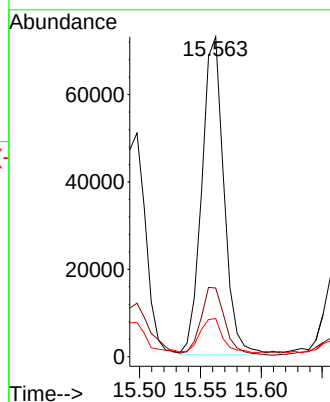
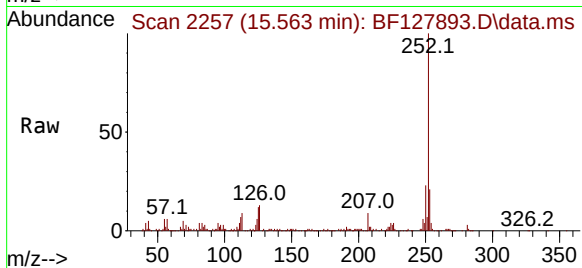
Tgt Ion:252 Resp: 92572

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

125 11.9 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 4.006 ng

RT: 17.627 min Scan# 2608

Delta R.T. -0.029 min

Lab File: BF127893.D

Acq: 25 Apr 2022 21:18

Tgt Ion:276 Resp: 72753

Ion Ratio Lower Upper

276 100

277 24.6 18.8 28.2

138 22.2 16.2 24.2

