

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127933.D
 Acq On : 27 Apr 2022 01:01
 Operator : CG\JU
 Sample : N2466-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Apr 27 01:50:11 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)

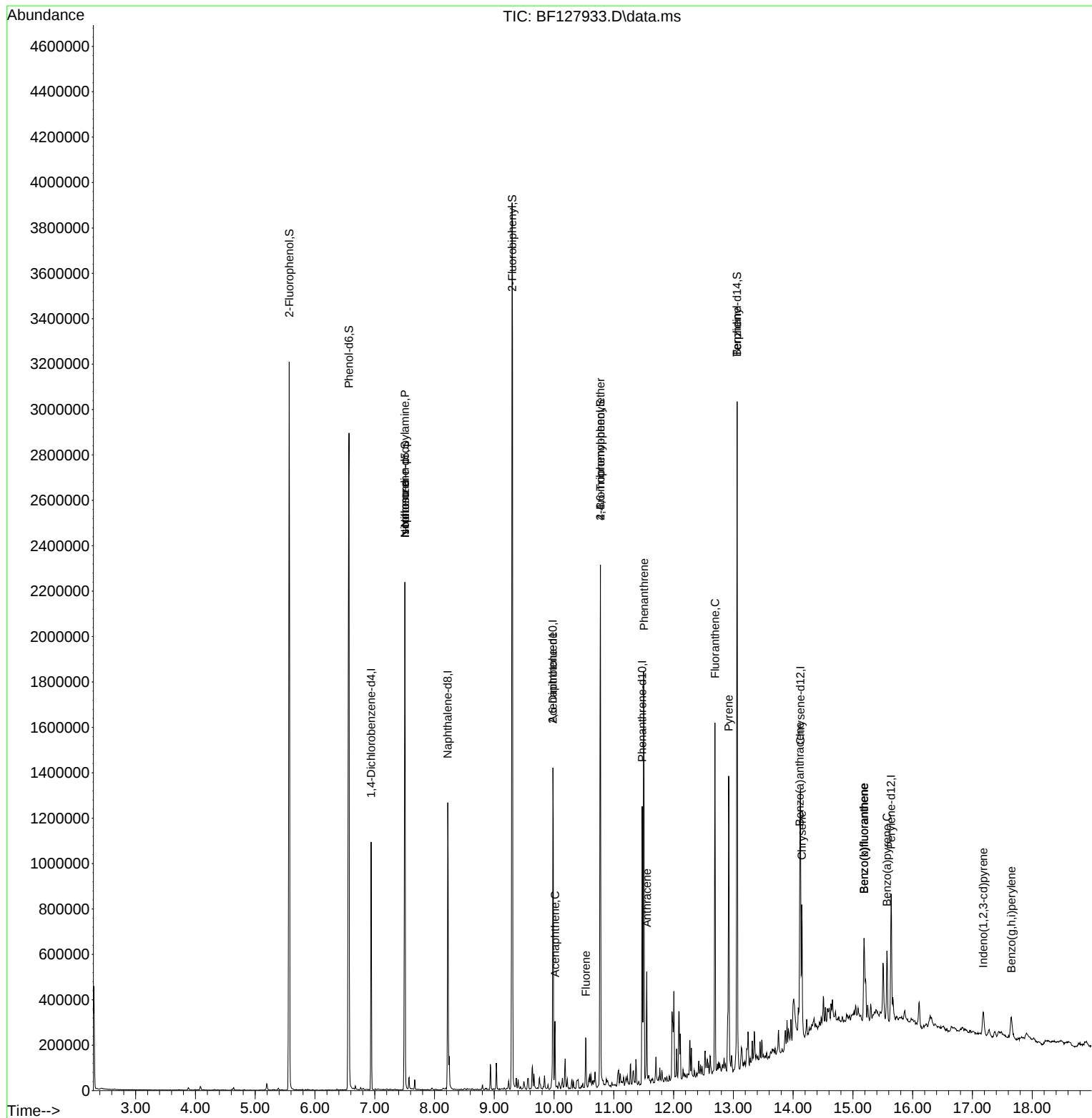
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	140769	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	545892	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	296251	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	445869	20.000	ng	0.00
76) Chrysene-d12	14.121	240	290620	20.000	ng	0.00
86) Perylene-d12	15.639	264	262777	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	824578	93.300	ng	0.00
7) Phenol-d6	6.569	99	1070800	93.374	ng	0.00
23) Nitrobenzene-d5	7.504	82	776225	66.865	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	253932	85.147	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1239595	70.787	ng	0.00
79) Terphenyl-d14	13.063	244	962565	60.564	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	105655	15.051	ng	# 80
25) Isophorone	7.504	82	776215	39.728	ng	# 68
51) 2,6-Dinitrotoluene	9.981	165	40307	9.370	ng	# 21
52) Acenaphthene	10.016	154	54769	3.188	ng	98
58) Fluorene	10.533	166	61338	3.316	ng	98
67) 4-Bromophenyl-phenylether	10.775	248	15764	3.189	ng	# 1
71) Phenanthrene	11.504	178	708855	30.372	ng	99
72) Anthracene	11.551	178	170497	7.333	ng	100
75) Fluoranthene	12.692	202	564754	22.991	ng	98
77) Benzidine	13.063	184	13523	2.459	ng	# 88
78) Pyrene	12.922	202	550991	23.486	ng	99
81) Benzo(a)anthracene	14.110	228	241018	12.442	ng	99
83) Chrysene	14.145	228	215104	11.627	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	73599	4.196	ng	96
88) Benzo(b)fluoranthene	15.186	252	297528	18.027	ng	# 96
89) Benzo(k)fluoranthene	15.186	252	297528	17.893	ng	# 95
90) Benzo(a)pyrene	15.568	252	165127	12.061	ng	99
92) Benzo(g,h,i)perylene	17.651	276	72423	4.885	ng	98

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

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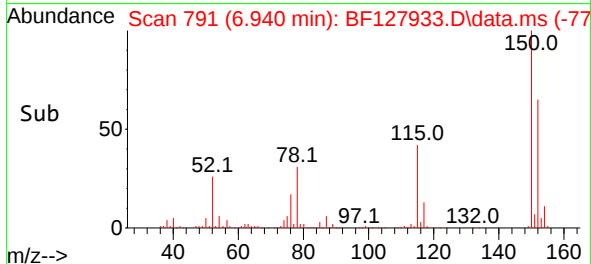
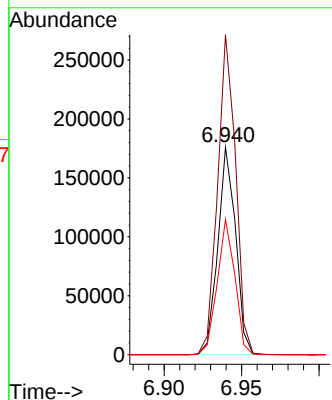
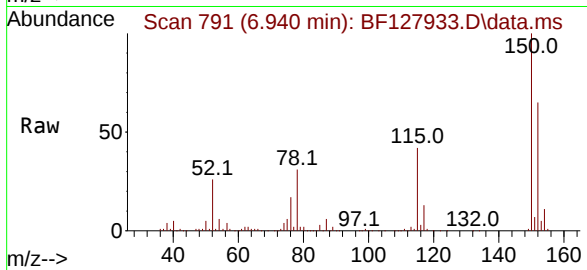




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

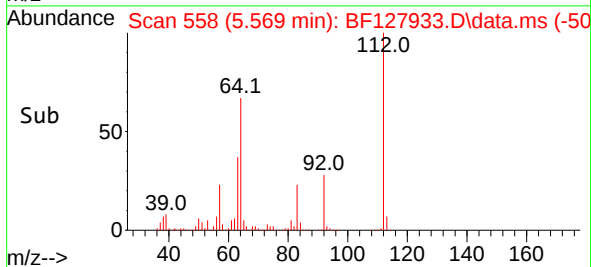
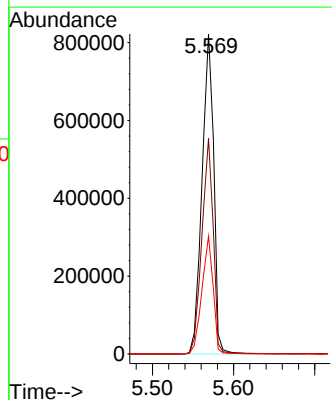
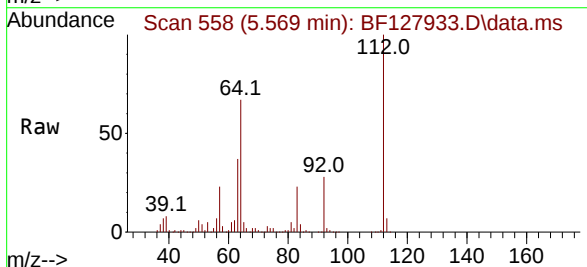
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

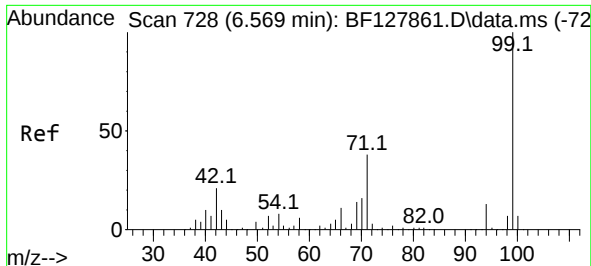
Tgt Ion:152 Resp: 140769
Ion Ratio Lower Upper
152 100
150 154.1 125.3 187.9
115 65.2 48.8 73.2



#5
2-Fluorophenol
Concen: 93.300 ng
RT: 5.569 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Tgt Ion:112 Resp: 824578
Ion Ratio Lower Upper
112 100
64 67.3 49.5 74.3
63 36.8 26.3 39.5

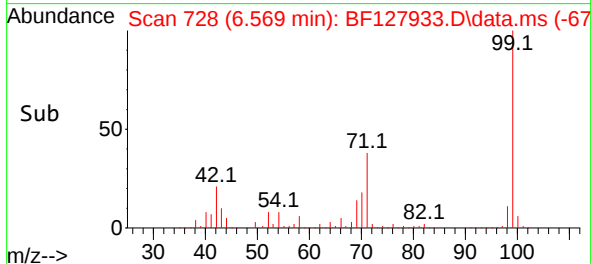
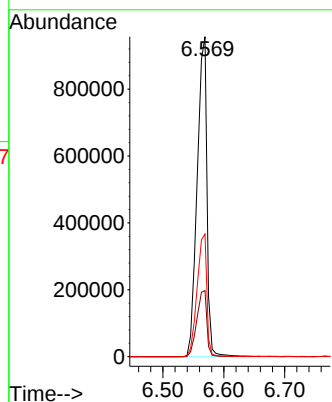
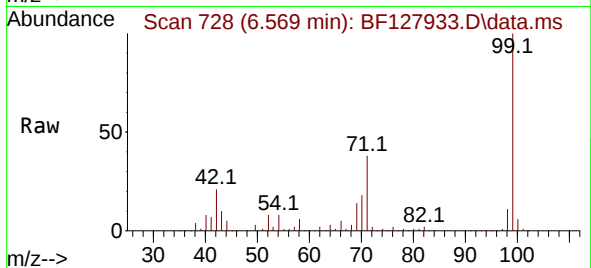




#7
Phenol-d6
Concen: 93.374 ng
RT: 6.569 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

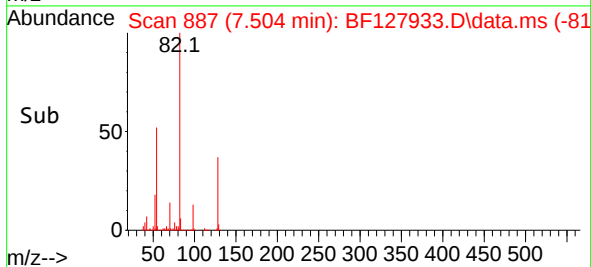
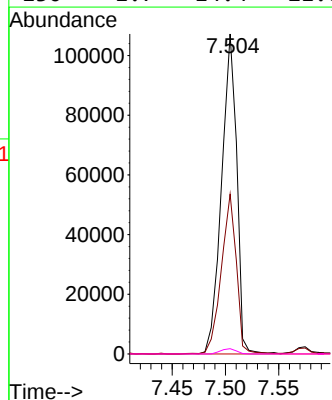
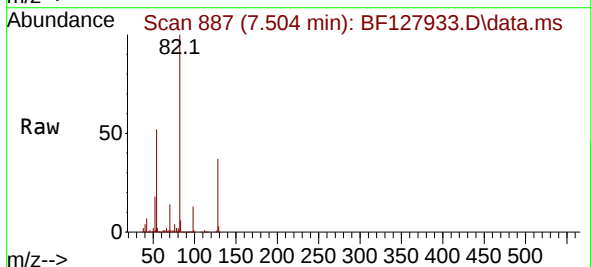
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

Tgt Ion: 99 Resp: 1070800
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 38.3 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.051 ng
RT: 7.504 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Tgt Ion: 70 Resp: 105655
Ion Ratio Lower Upper
70 100
42 50.0 48.7 73.1
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#

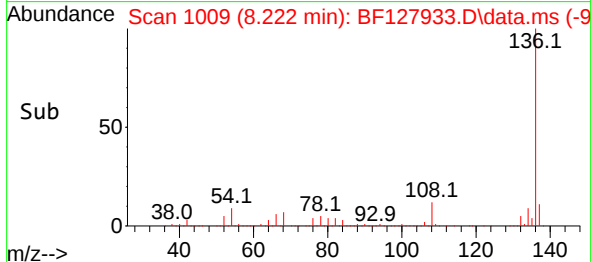
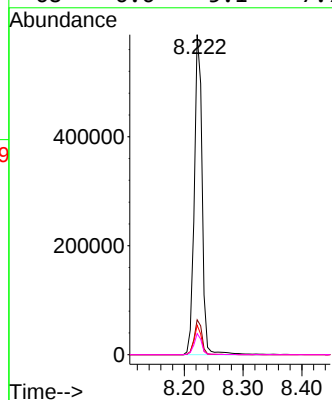
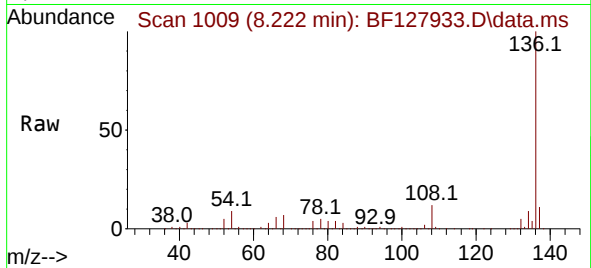




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

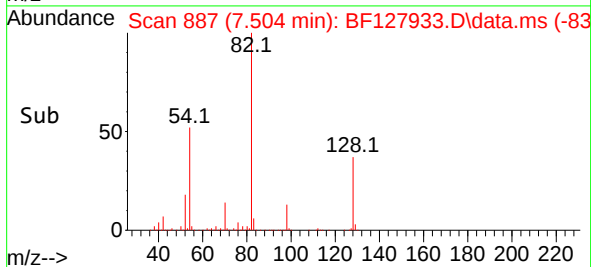
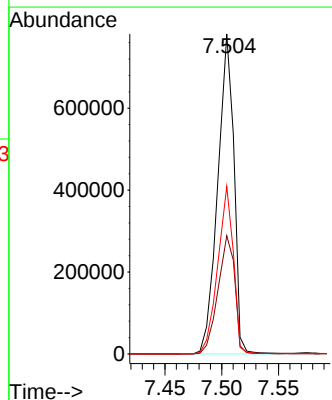
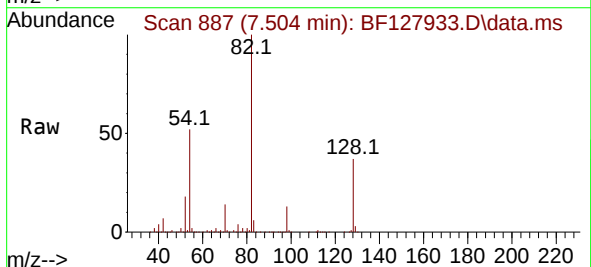
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

Tgt Ion:136	Resp: 545892
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 9.2	6.8 10.2
68 6.6	5.1 7.7



#23
Nitrobenzene-d5
Concen: 66.865 ng
RT: 7.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Tgt Ion: 82	Resp: 776225
Ion Ratio	Lower Upper
82 100	
128 36.9	30.0 45.0
54 52.3	41.3 61.9

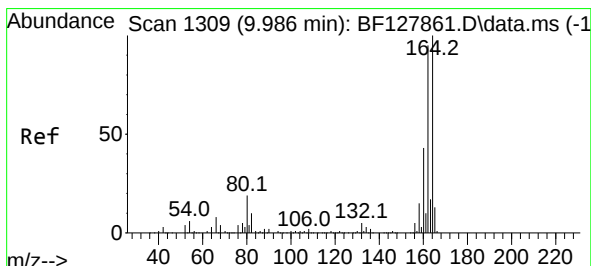
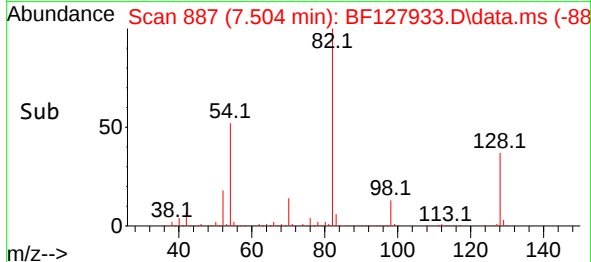
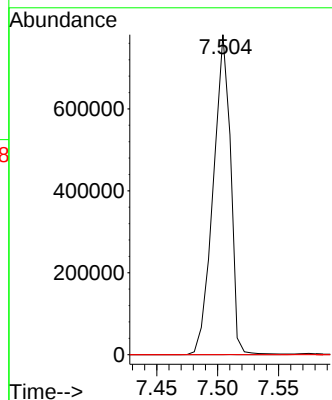
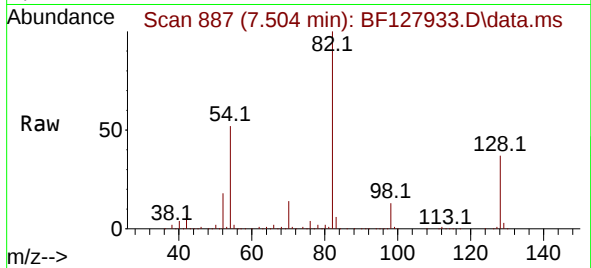




#25
Isophorone
Concen: 39.728 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

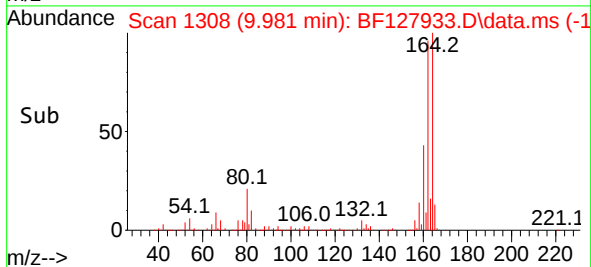
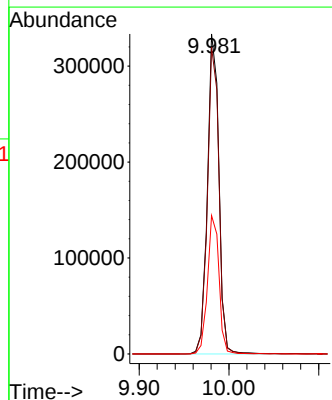
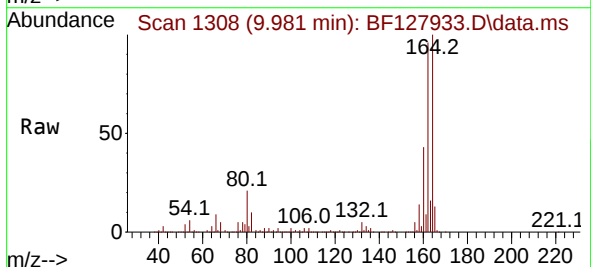
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

Tgt Ion: 82 Resp: 776215
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: BF127933.D
Acq: 27 Apr 2022 01:01

Tgt Ion:164 Resp: 296251
Ion Ratio Lower Upper
164 100
162 95.8 76.0 114.0
160 43.2 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 85.147 ng

RT: 10.775 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF127933.D

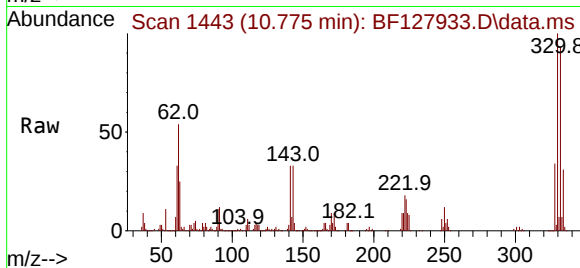
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Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5-DUP



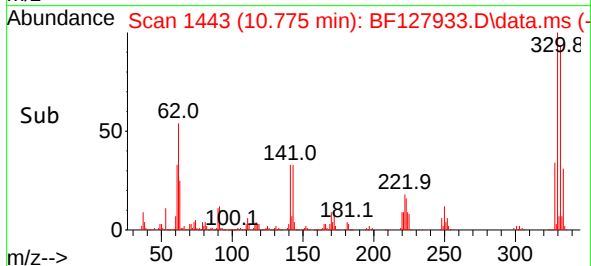
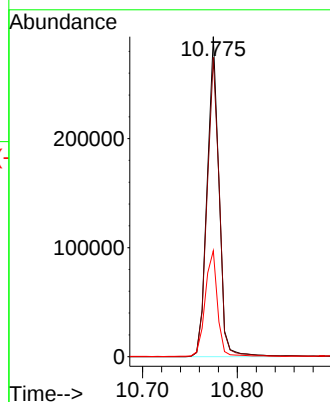
Tgt Ion:330 Resp: 253932

Ion Ratio Lower Upper

330 100

332 96.0 79.0 118.4

141 34.6 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 70.787 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

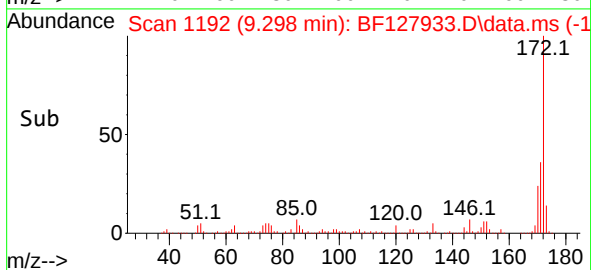
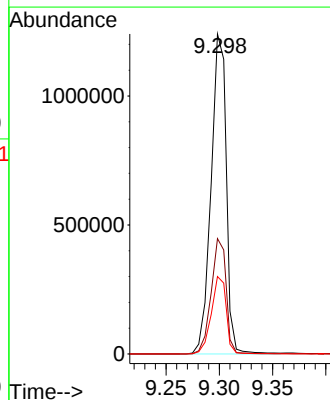
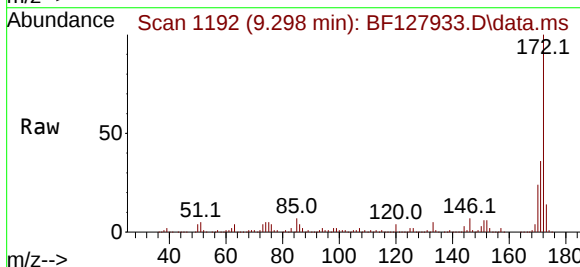
Tgt Ion:172 Resp: 1239595

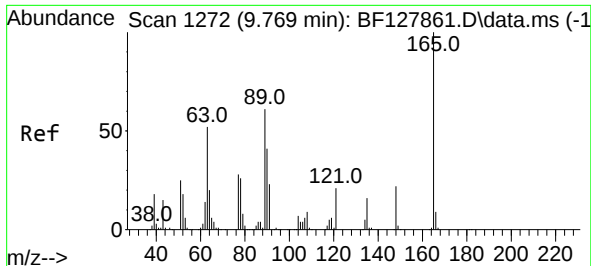
Ion Ratio Lower Upper

172 100

171 36.1 28.6 42.8

170 24.2 19.1 28.7

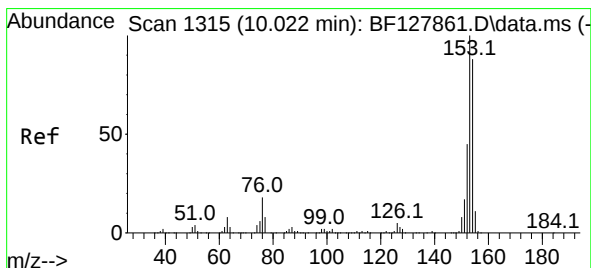
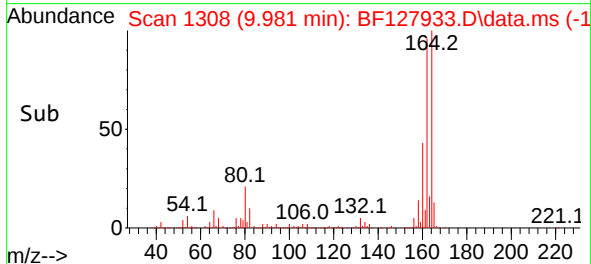
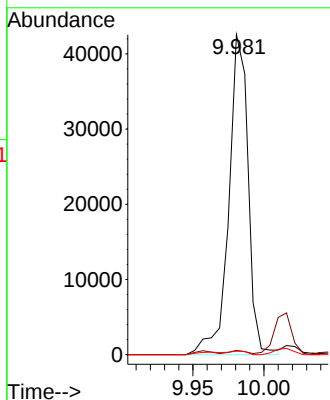
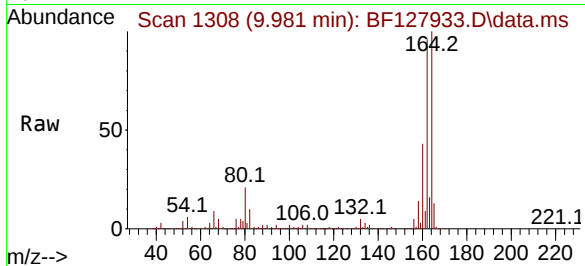




#51
2,6-Dinitrotoluene
Concen: 9.370 ng
RT: 9.981 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

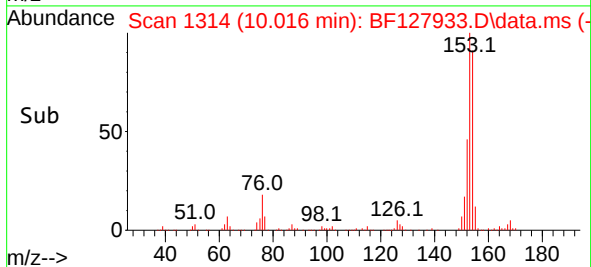
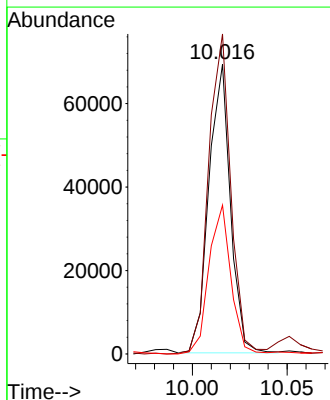
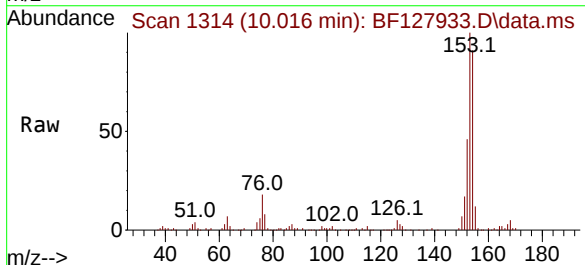
Instrument :
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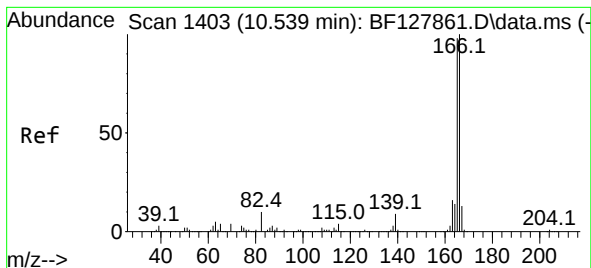
Tgt Ion:165 Resp: 40307
Ion Ratio Lower Upper
165 100
63 1.4 49.5 74.3#
89 1.1 49.0 73.4#



#52
Acenaphthene
Concen: 3.188 ng
RT: 10.016 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Tgt Ion:154 Resp: 54769
Ion Ratio Lower Upper
154 100
153 110.4 90.5 135.7
152 51.3 41.0 61.6





#58

Fluorene

Concen: 3.316 ng

RT: 10.533 min Scan# 1403

Delta R.T. -0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5-DUP

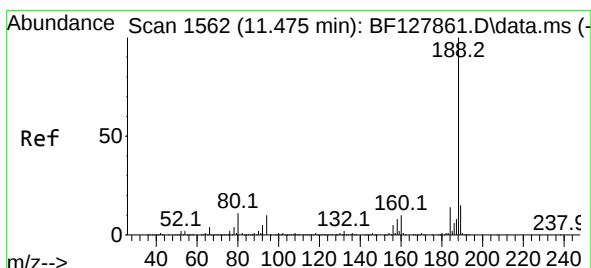
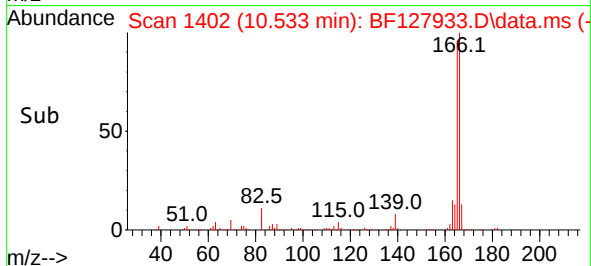
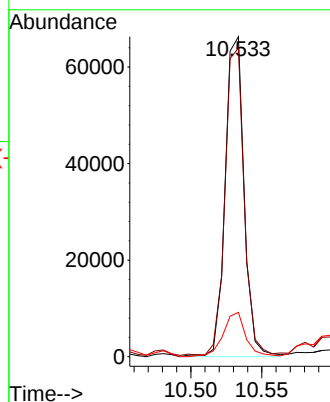
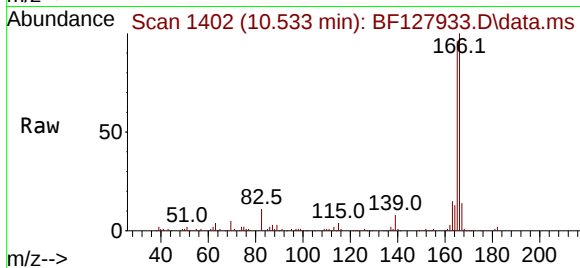
Tgt Ion:166 Resp: 61338

Ion Ratio Lower Upper

166 100

165 96.5 78.6 117.8

167 13.9 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.475 min Scan# 1562

Delta R.T. 0.000 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

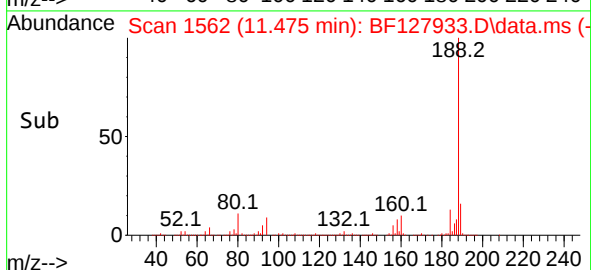
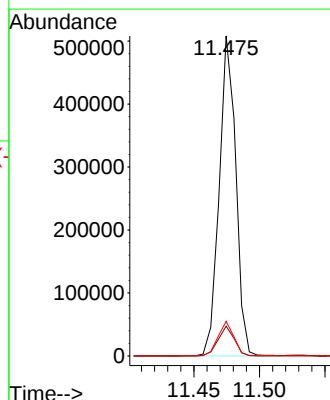
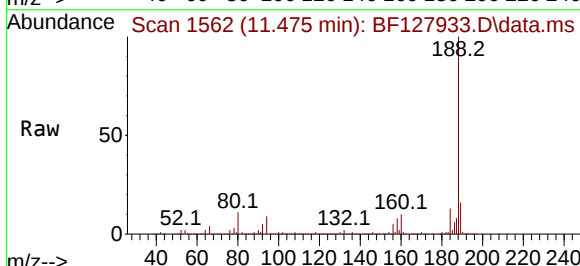
Tgt Ion:188 Resp: 445869

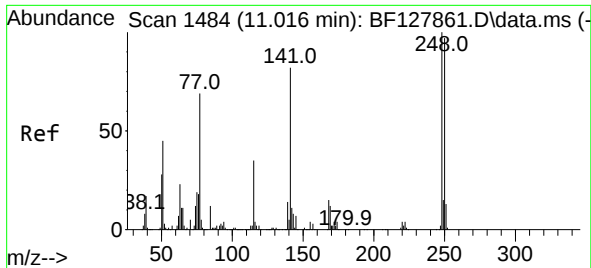
Ion Ratio Lower Upper

188 100

94 9.3 8.0 12.0

80 10.8 8.9 13.3

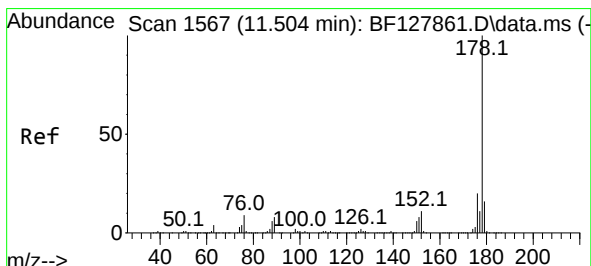
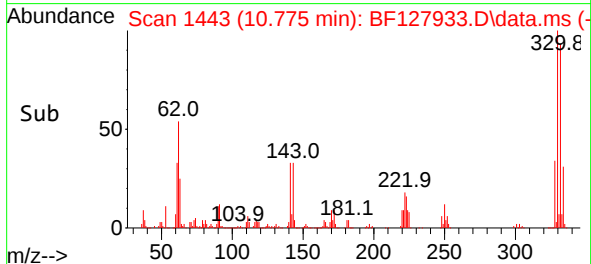
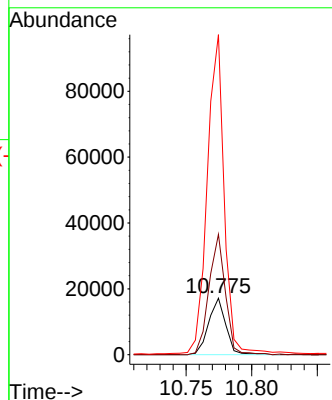
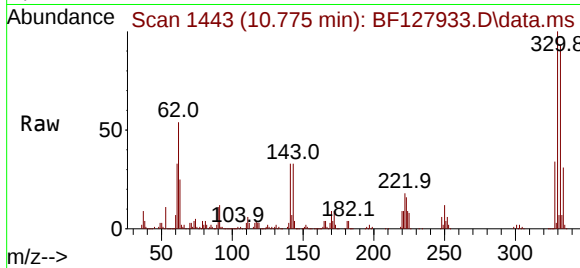




#67
4-Bromophenyl-phenylether
Concen: 3.189 ng
RT: 10.775 min Scan# 1484
Delta R.T. -0.241 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

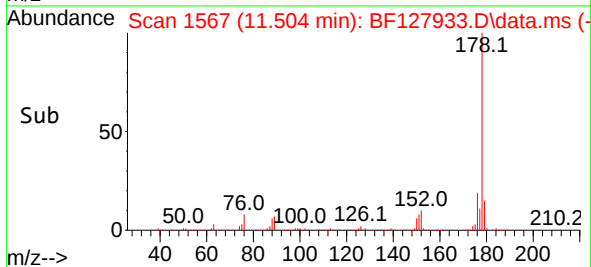
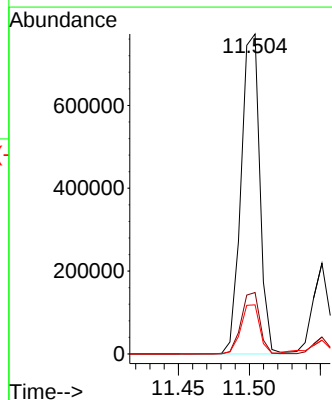
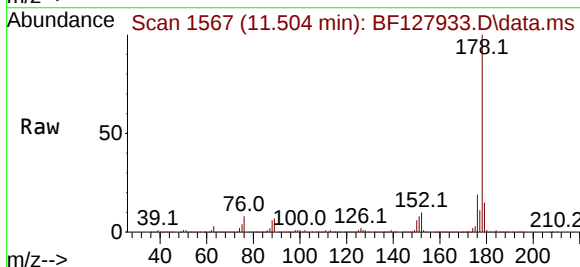
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

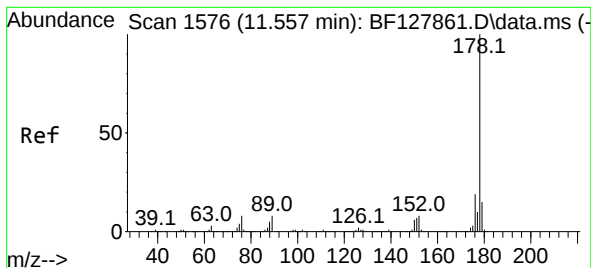
Tgt Ion:248 Resp: 15764
Ion Ratio Lower Upper
248 100
250 213.1 77.7 116.5#
141 566.7 65.6 98.4#



#71
Phenanthrene
Concen: 30.372 ng
RT: 11.504 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Tgt Ion:178 Resp: 708855
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.4 12.6 19.0





#72

Anthracene

Concen: 7.333 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5-DUP

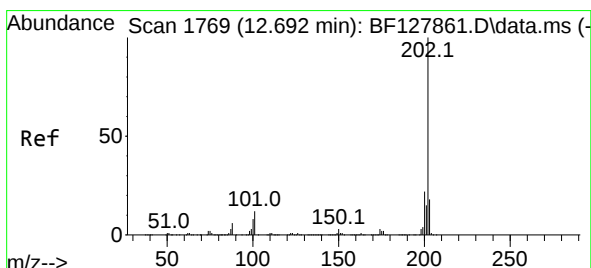
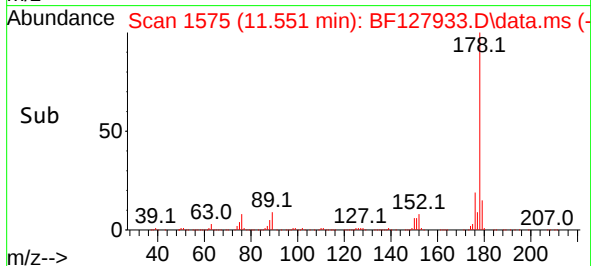
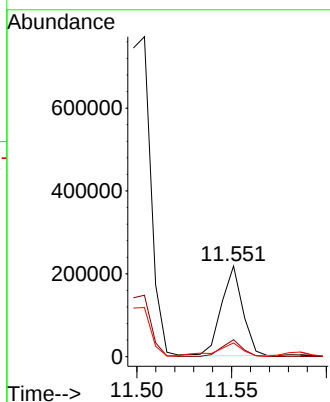
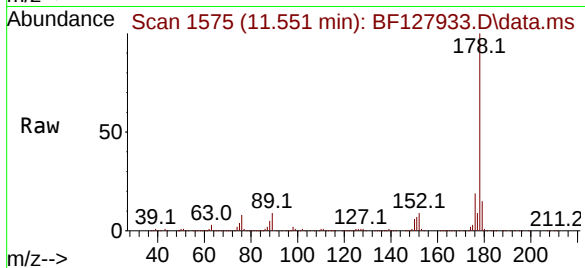
Tgt Ion:178 Resp: 170497

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 22.991 ng

RT: 12.692 min Scan# 1769

Delta R.T. 0.000 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

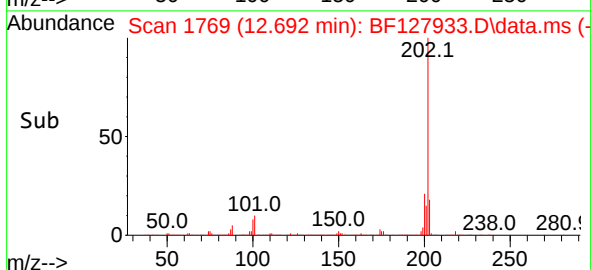
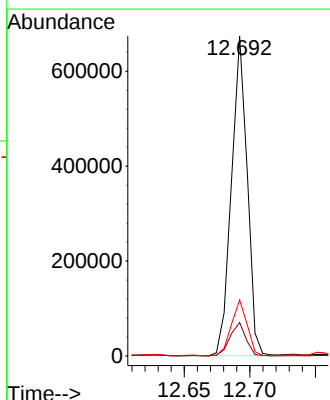
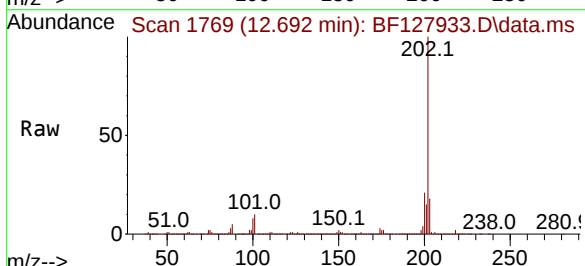
Tgt Ion:202 Resp: 564754

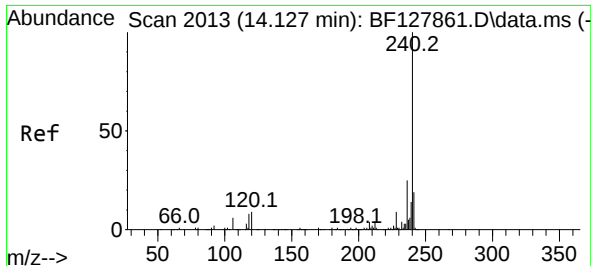
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.6

203 17.5 0.0 38.1

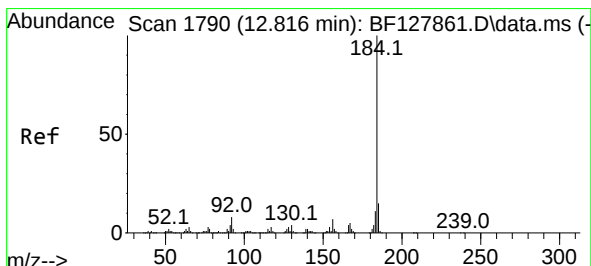
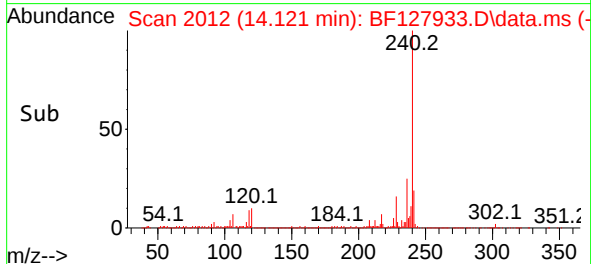
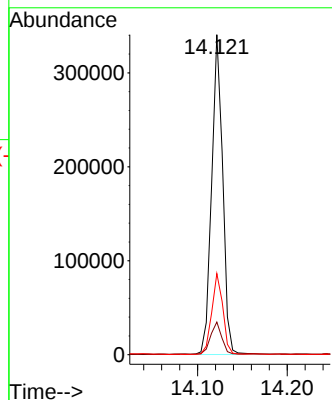
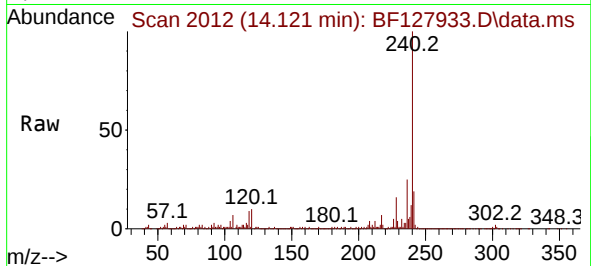




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

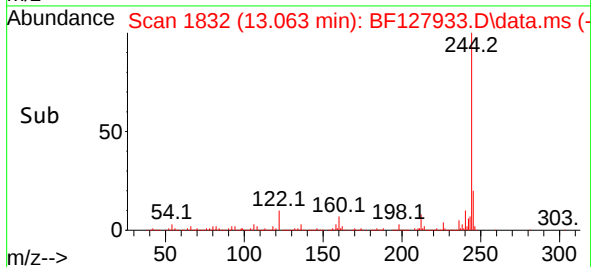
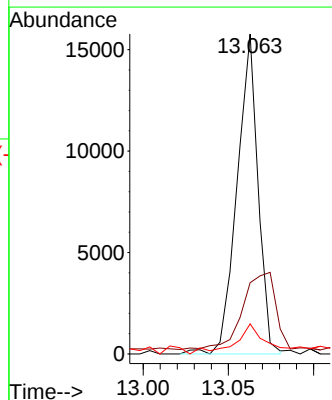
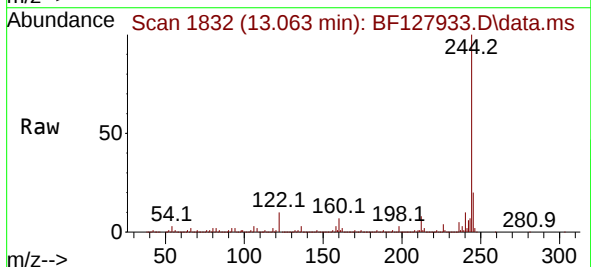
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

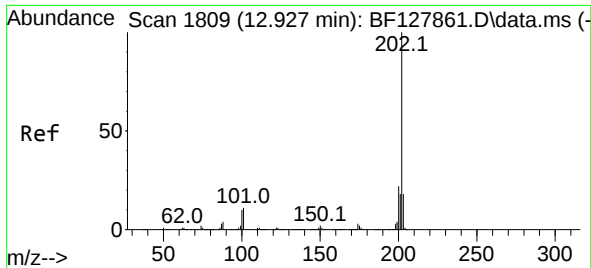
Tgt Ion:240 Resp: 290620
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.6
236 25.4 20.3 30.5



#77
Benzidine
Concen: 2.459 ng
RT: 13.063 min Scan# 1832
Delta R.T. 0.247 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Tgt Ion:184 Resp: 13523
Ion Ratio Lower Upper
184 100
185 22.3 12.1 18.1#
183 9.4 9.0 13.4

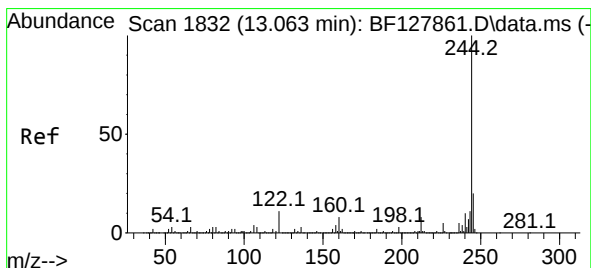
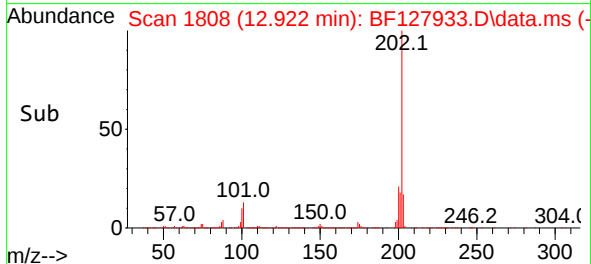
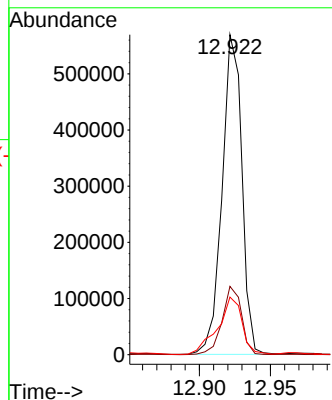
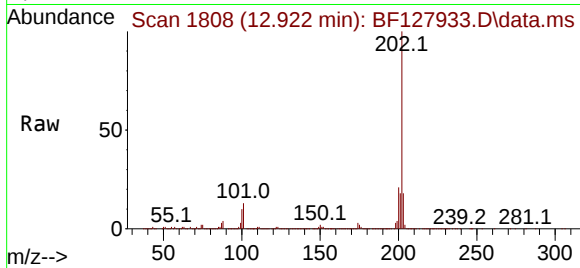




#78
Pyrene
Concen: 23.486 ng
RT: 12.922 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

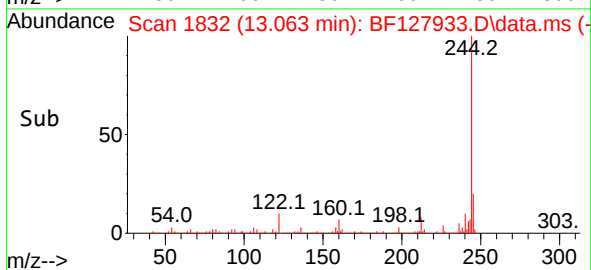
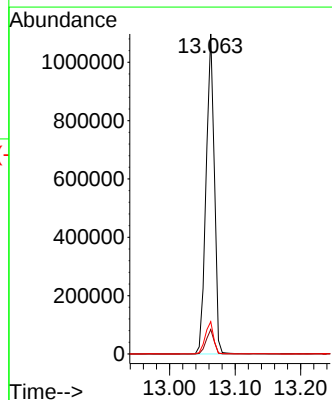
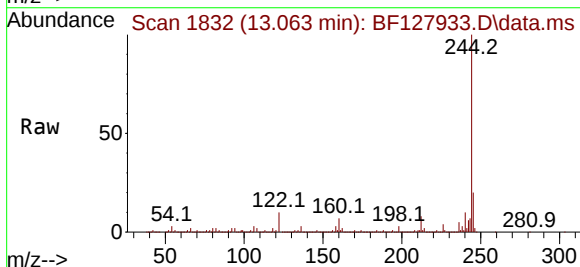
Instrument :
BNA_F
ClientSampleId :
E14ST-EB2-041822-0-5-DUP

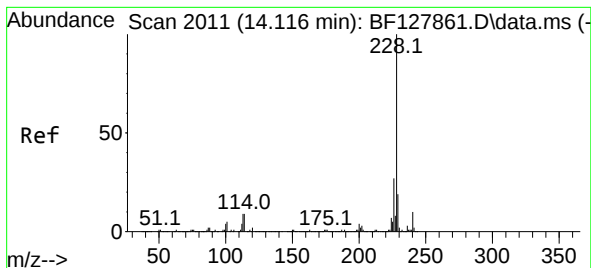
Tgt Ion:202 Resp: 550991
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 18.0 14.0 21.0



#79
Terphenyl-d14
Concen: 60.564 ng
RT: 13.063 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BF127933.D
Acq: 27 Apr 2022 01:01

Tgt Ion:244 Resp: 962565
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 10.1 8.6 12.8





#81

Benzo(a)anthracene

Concen: 12.442 ng

RT: 14.110 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5-DUP

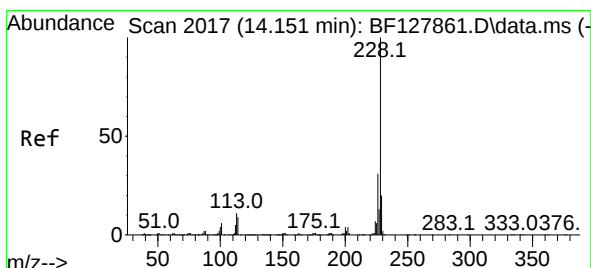
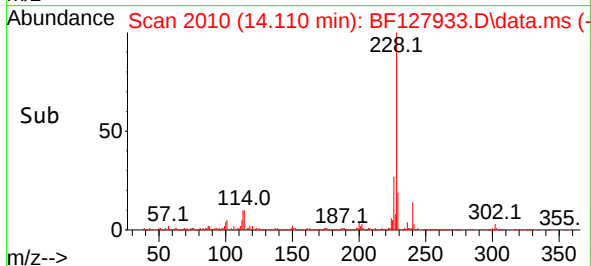
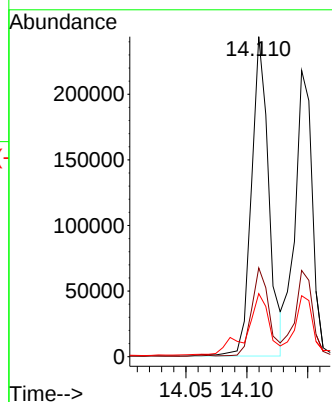
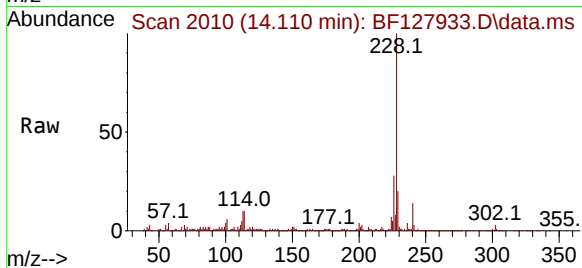
Tgt Ion:228 Resp: 241018

Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

229 19.7 15.4 23.2



#83

Chrysene

Concen: 11.627 ng

RT: 14.145 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

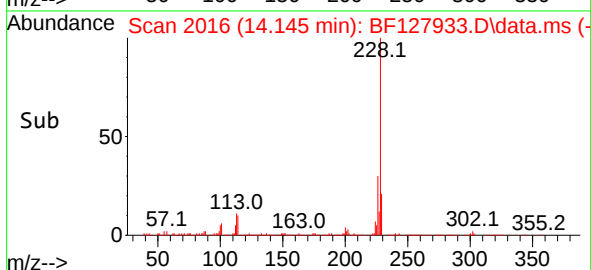
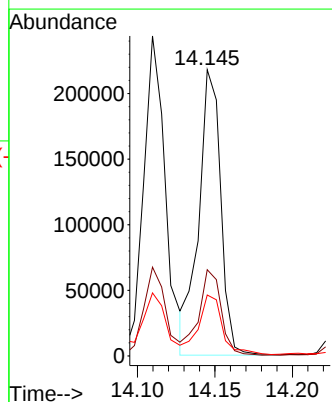
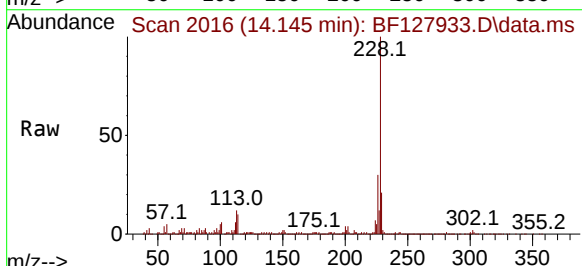
Tgt Ion:228 Resp: 215104

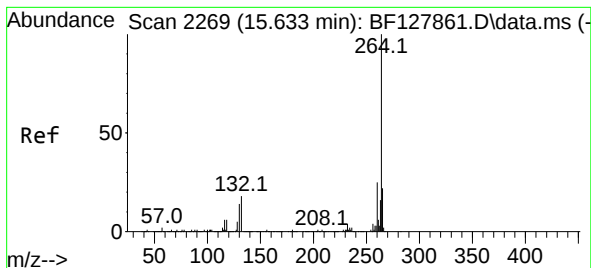
Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 21.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5-DUP

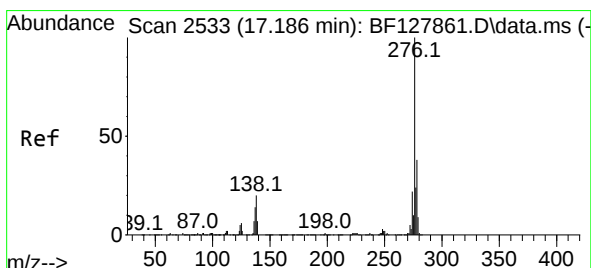
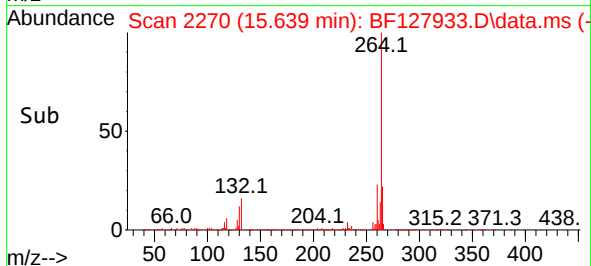
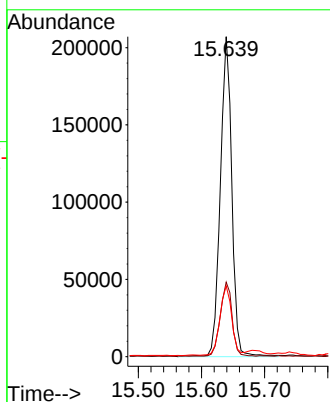
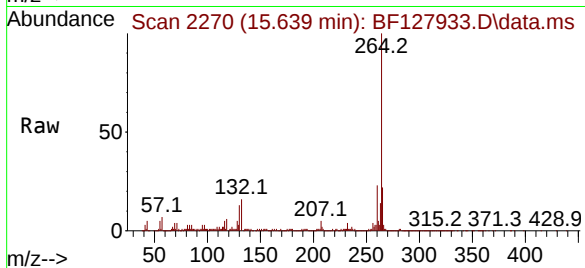
Tgt Ion:264 Resp: 262777

Ion Ratio Lower Upper

264 100

260 23.3 20.1 30.1

265 22.1 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.196 ng

RT: 17.180 min Scan# 2532

Delta R.T. -0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

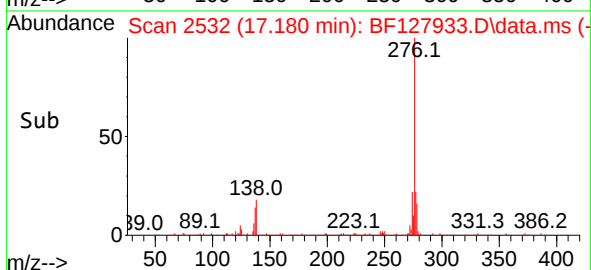
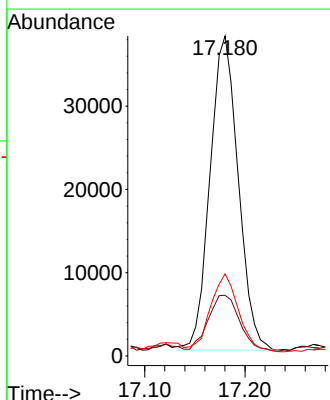
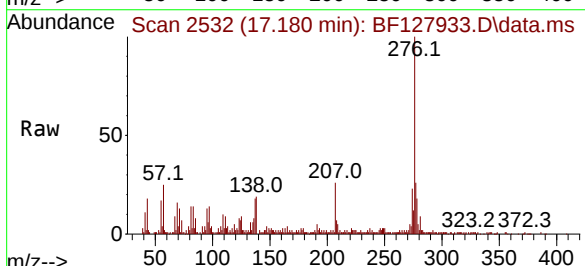
Tgt Ion:276 Resp: 73599

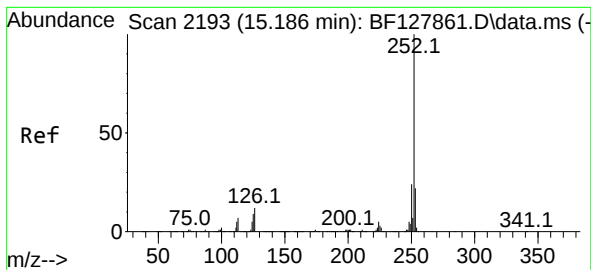
Ion Ratio Lower Upper

276 100

138 20.0 19.0 28.4

277 24.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 18.027 ng

RT: 15.186 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5-DUP

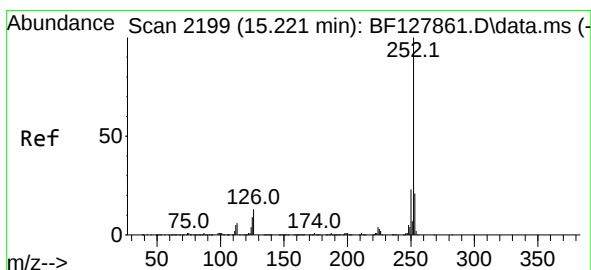
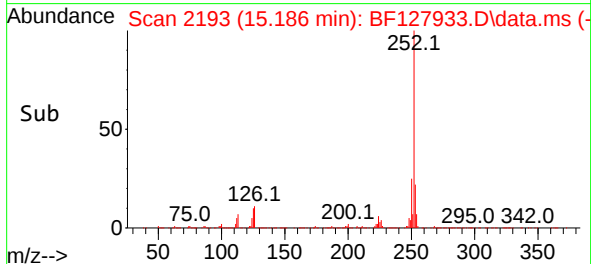
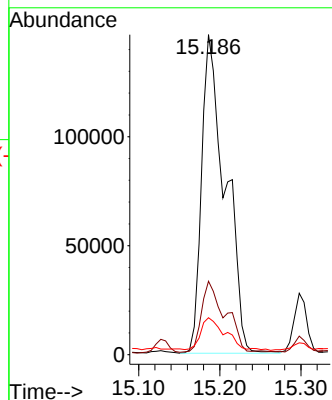
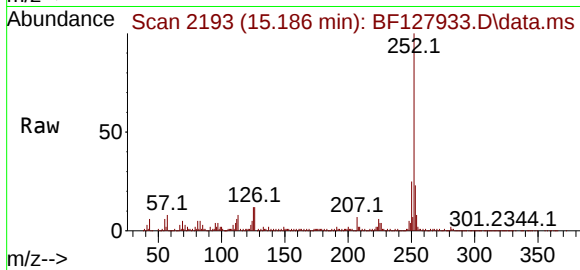
Tgt Ion:252 Resp: 297528

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 11.6 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 17.893 ng

RT: 15.186 min Scan# 2193

Delta R.T. -0.035 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

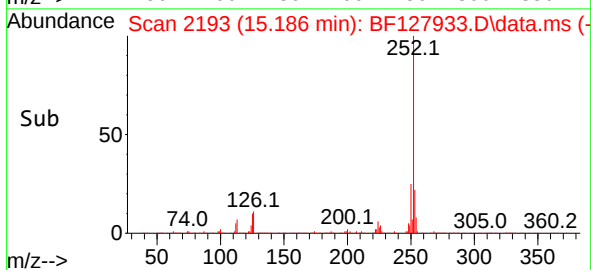
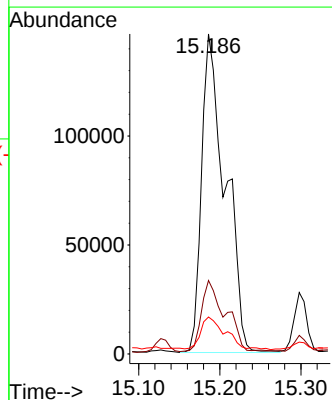
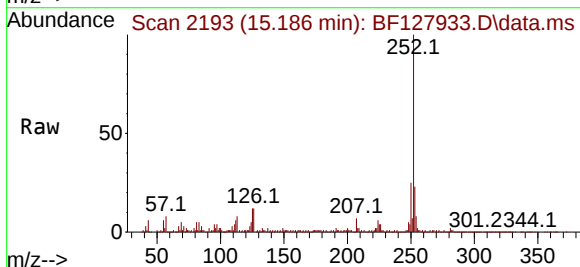
Tgt Ion:252 Resp: 297528

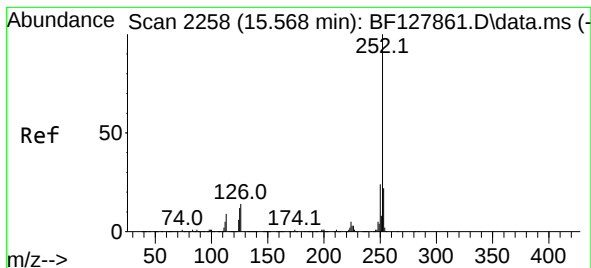
Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

125 11.6 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 12.061 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Instrument :

BNA_F

ClientSampleId :

E14ST-EB2-041822-0-5-DUP

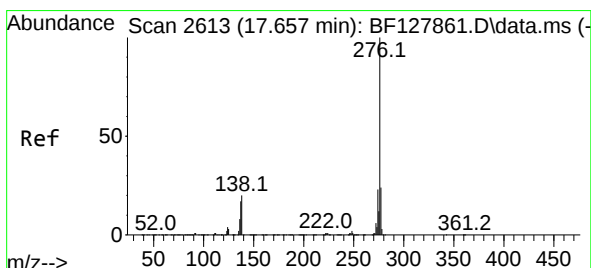
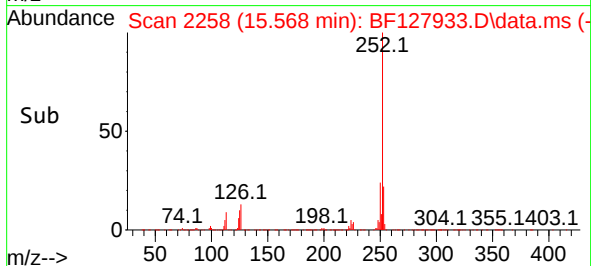
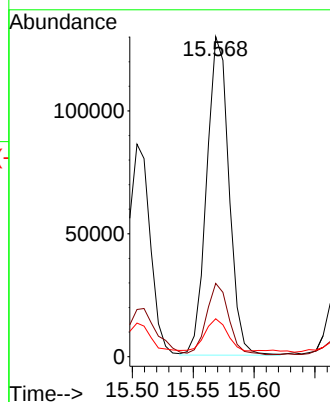
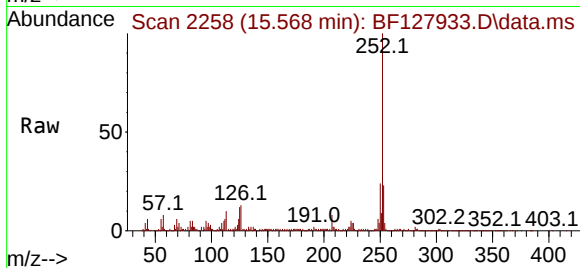
Tgt Ion:252 Resp: 165127

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 11.9 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 4.885 ng

RT: 17.651 min Scan# 2612

Delta R.T. -0.006 min

Lab File: BF127933.D

Acq: 27 Apr 2022 01:01

Tgt Ion:276 Resp: 72423

Ion Ratio Lower Upper

276 100

277 22.8 18.8 28.2

138 21.4 16.2 24.2

