

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127932.D
 Acq On : 27 Apr 2022 00:32
 Operator : CG\JU
 Sample : N2479-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5MSD

Quant Time: Apr 27 01:50:02 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)

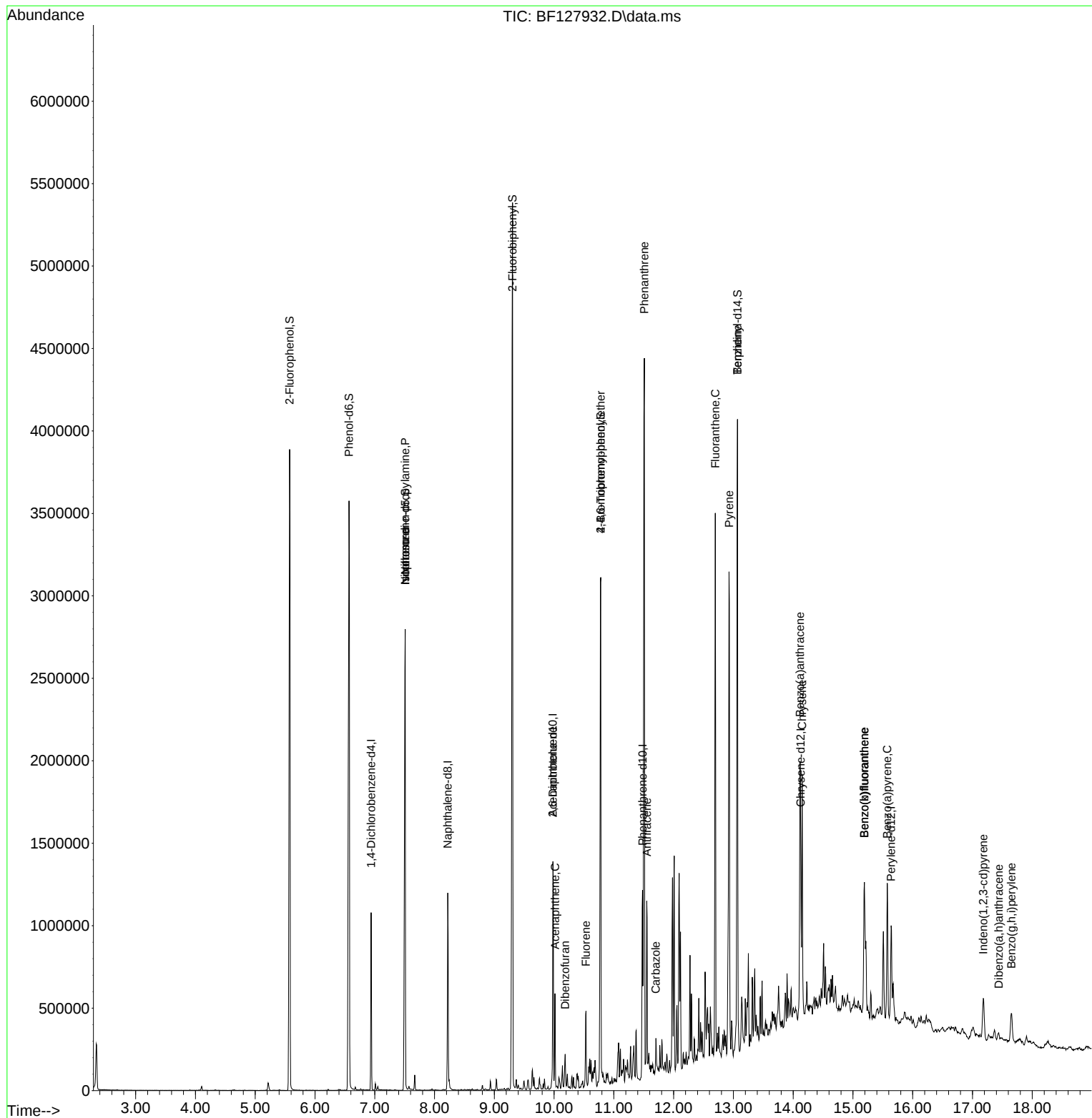
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	137476	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	545171	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	302774	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	475013	20.000	ng	0.00
76) Chrysene-d12	14.127	240	257542	20.000	ng	0.00
86) Perylene-d12	15.639	264	277024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1148837	133.103	ng	0.01
7) Phenol-d6	6.569	99	1548323	138.249	ng	0.00
23) Nitrobenzene-d5	7.510	82	1131515	97.600	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	398919	130.882	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1806436	100.934	ng	0.00
79) Terphenyl-d14	13.069	244	1394720	99.026	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.510	70	154077	22.474	ng	# 77
25) Isophorone	7.510	82	1131692	57.998	ng	# 68
51) 2,6-Dinitrotoluene	9.981	165	41388	9.414	ng	# 21
52) Acenaphthene	10.016	154	106278	6.053	ng	98
55) Dibenzofuran	10.186	168	60812	2.401	ng	98
58) Fluorene	10.533	166	125686	6.649	ng	100
67) 4-Bromophenyl-phenylether	10.780	248	24980	4.744	ng	# 1
71) Phenanthrene	11.510	178	1801571	72.455	ng	99
72) Anthracene	11.551	178	402051	16.232	ng	100
73) Carbazole	11.704	167	61536	2.578	ng	97
75) Fluoranthene	12.698	202	1295785	49.516	ng	99
77) Benzidine	13.069	184	20827	4.274	ng	# 79
78) Pyrene	12.927	202	1383275	66.535	ng	99
81) Benzo(a)anthracene	14.116	228	579334	33.749	ng	98
83) Chrysene	14.151	228	528990	32.267	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	180768	9.776	ng	95
88) Benzo(b)fluoranthene	15.192	252	683470	39.281	ng	98
89) Benzo(k)fluoranthene	15.192	252	683470	38.989	ng	# 96
90) Benzo(a)pyrene	15.574	252	427645	29.630	ng	99
91) Dibenzo(a,h)anthracene	17.439	278	31662	2.135	ng	94
92) Benzo(g,h,i)perylene	17.651	276	165535	10.592	ng	98

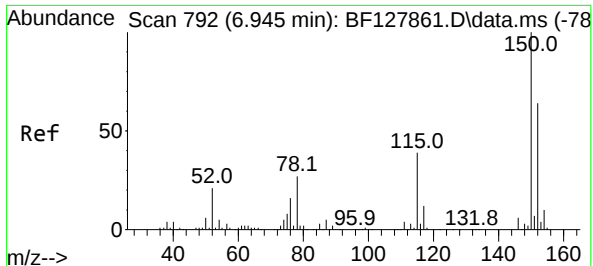
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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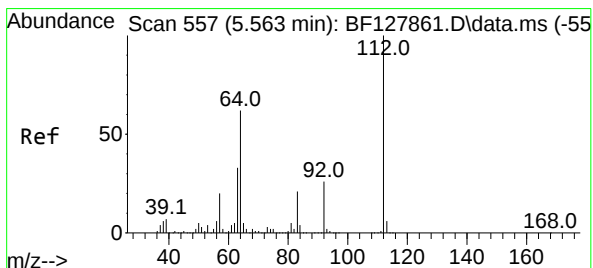
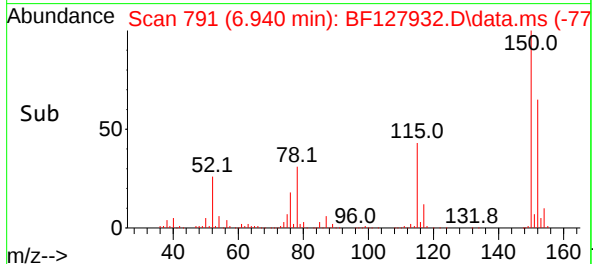
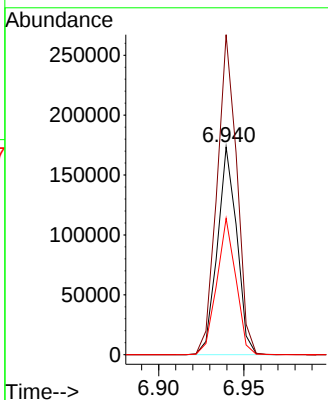
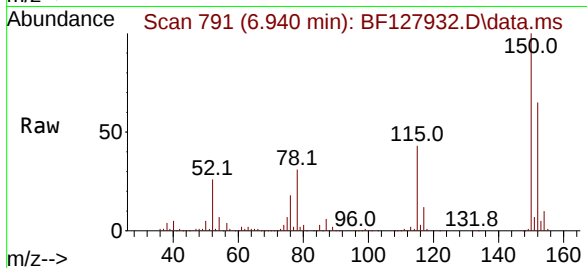




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.940 min Scan# 791
 Delta R.T. -0.005 min
 Lab File: BF127932.D
 Acq: 27 Apr 2022 00:32

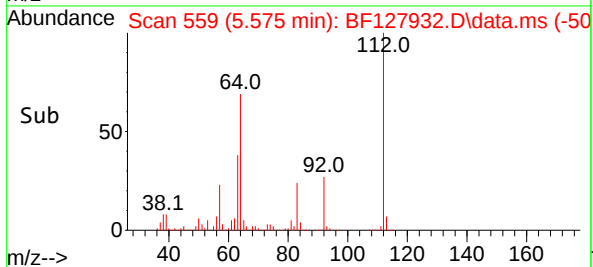
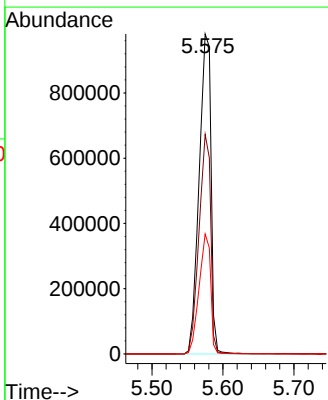
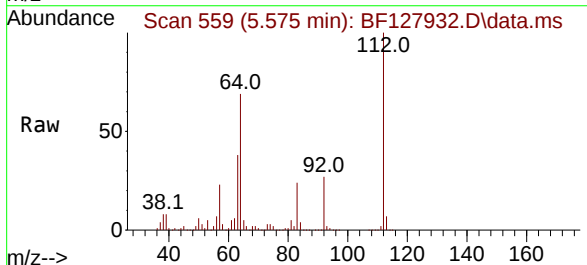
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5MSD

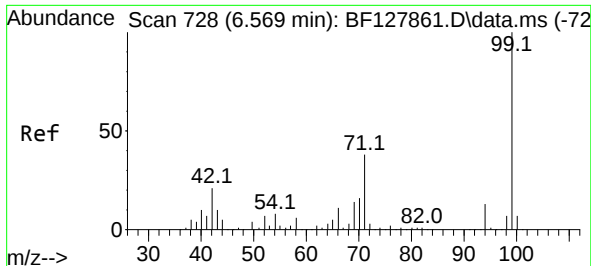
Tgt Ion:152 Resp: 137476
 Ion Ratio Lower Upper
 152 100
 150 154.1 125.3 187.9
 115 65.7 48.8 73.2



#5
 2-Fluorophenol
 Concen: 133.103 ng
 RT: 5.575 min Scan# 559
 Delta R.T. 0.012 min
 Lab File: BF127932.D
 Acq: 27 Apr 2022 00:32

Tgt Ion:112 Resp: 1148837
 Ion Ratio Lower Upper
 112 100
 64 68.6 49.5 74.3
 63 37.5 26.3 39.5

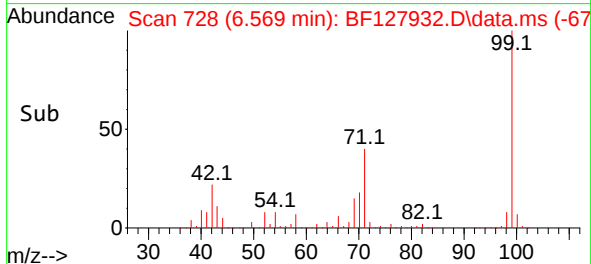
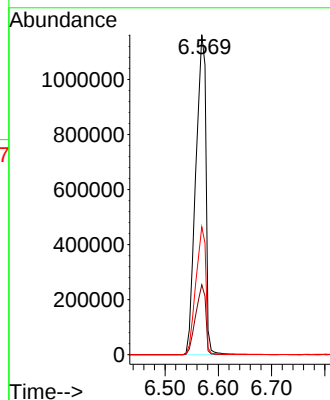
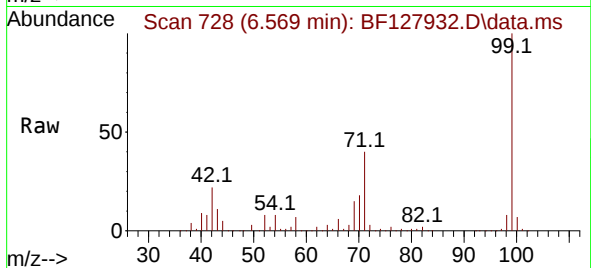




#7
Phenol-d6
Concen: 138.249 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

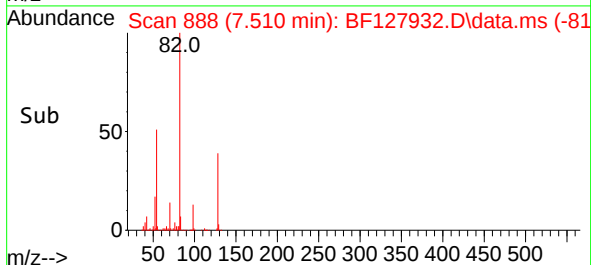
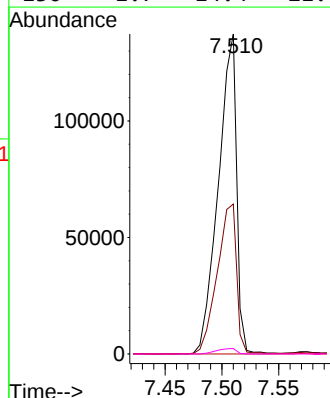
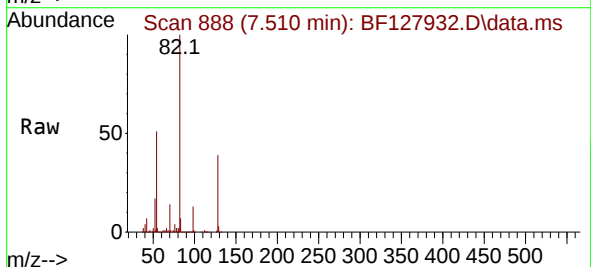
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Tgt Ion: 99 Resp: 1548323
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 39.9 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 22.474 ng
RT: 7.510 min Scan# 888
Delta R.T. 0.153 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion: 70 Resp: 154077
Ion Ratio Lower Upper
70 100
42 46.9 48.7 73.1#
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#

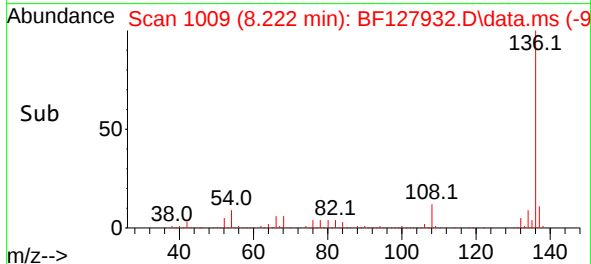
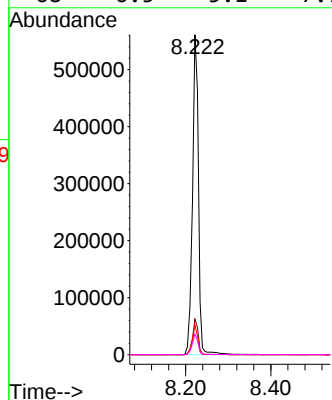
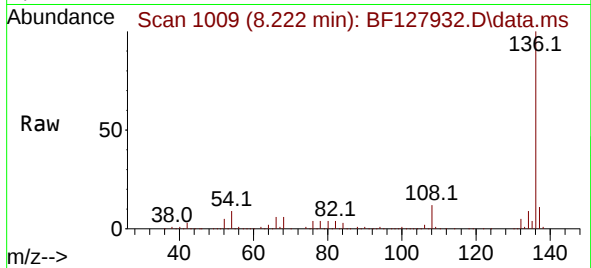




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

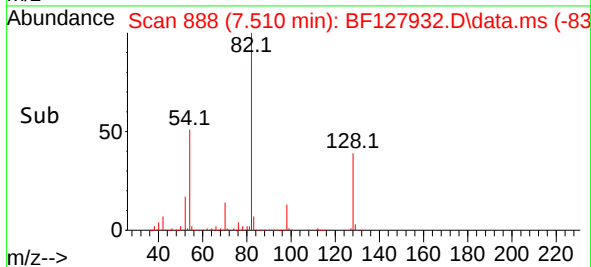
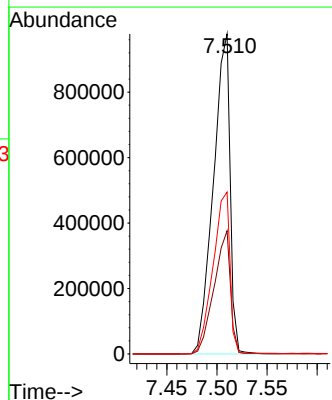
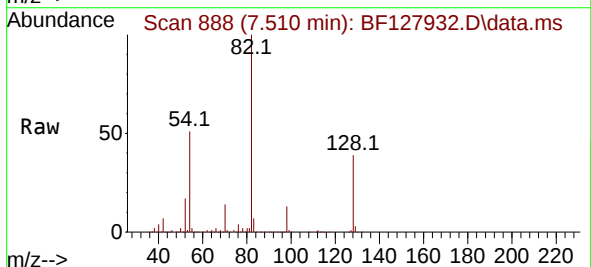
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Tgt Ion:136	Resp: 545171
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 9.2	6.8 10.2
68 6.5	5.1 7.7



#23
Nitrobenzene-d5
Concen: 97.600 ng
RT: 7.510 min Scan# 888
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion: 82		Resp: 1131515	
Ion	Ratio	Lower	Upper
82	100		
128	38.5	30.0	45.0
54	50.6	41.3	61.9

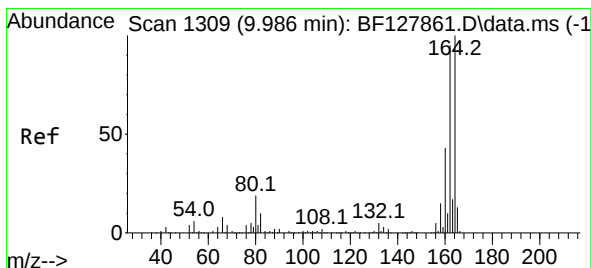
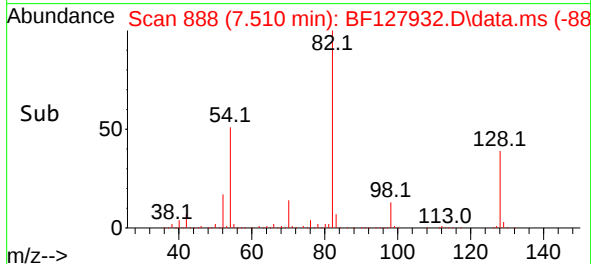
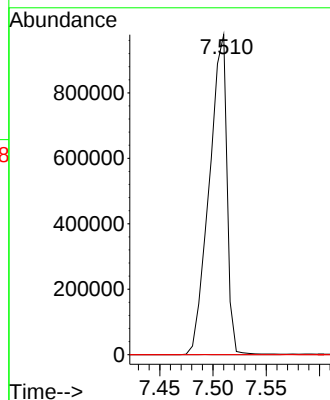
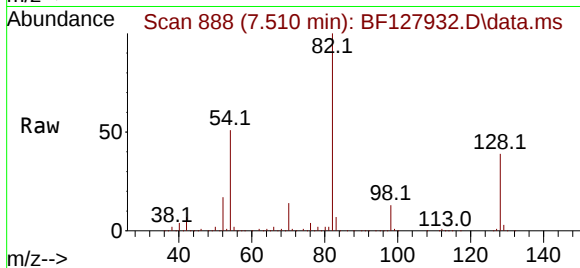




#25
Isophorone
Concen: 57.998 ng
RT: 7.510 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

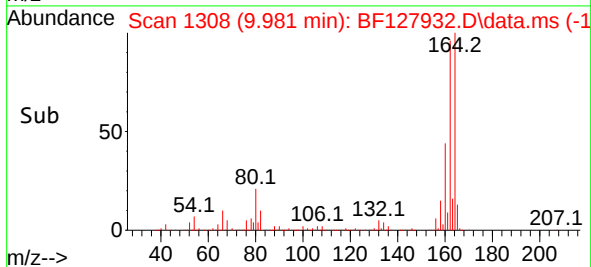
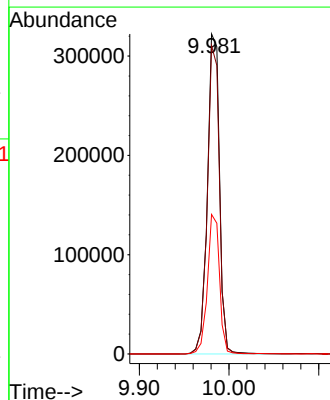
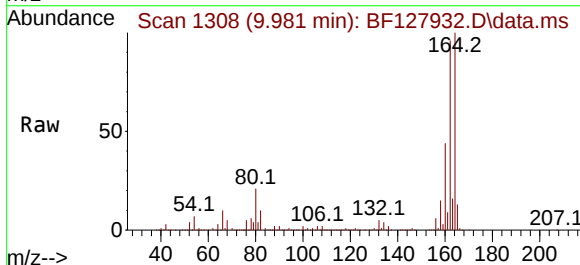
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

Tgt Ion: 82 Resp: 1131692
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: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion: 164 Resp: 302774
Ion Ratio Lower Upper
164 100
162 96.3 76.0 114.0
160 43.6 34.8 52.2

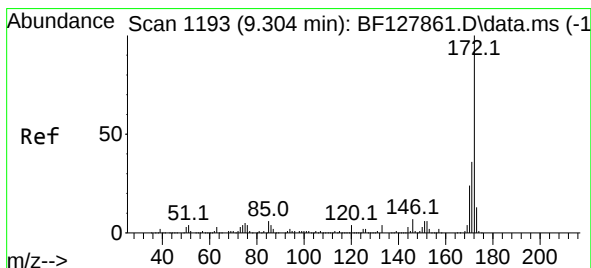
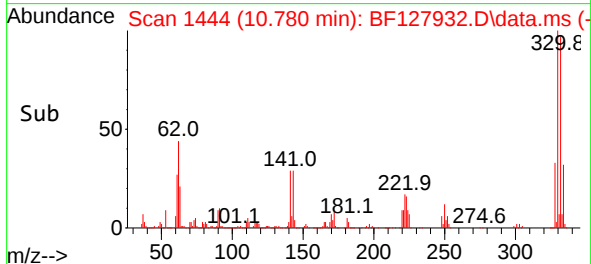
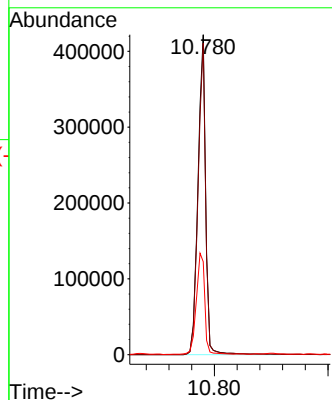
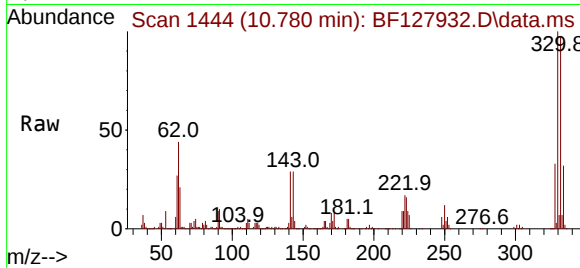




#42
2,4,6-Tribromophenol
Concen: 130.882 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

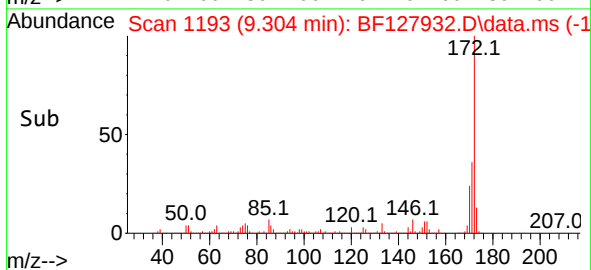
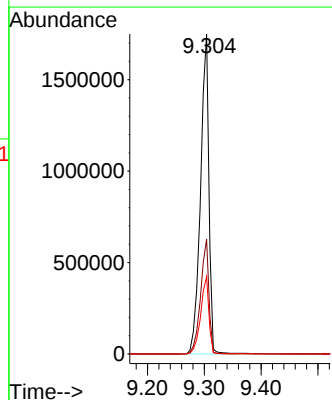
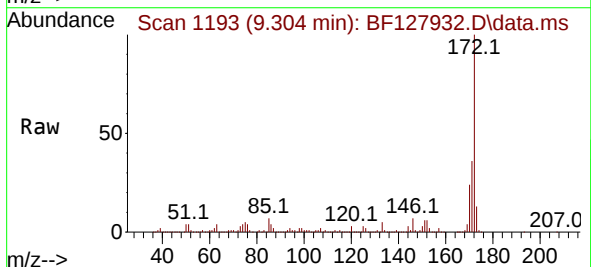
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ClientSampleId :
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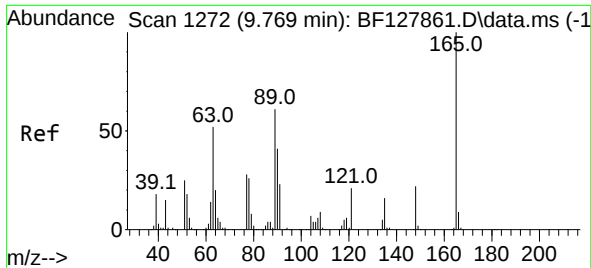
Tgt Ion:330 Resp: 398919
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.4
141 34.7 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 100.934 ng
RT: 9.304 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion:172 Resp: 1806436
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 24.1 19.1 28.7

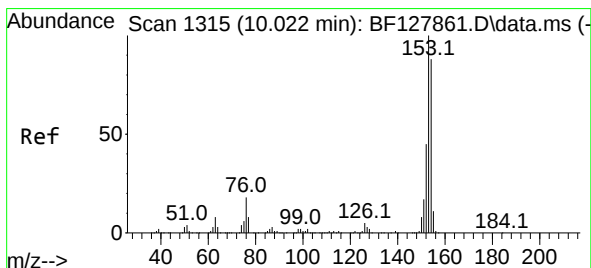
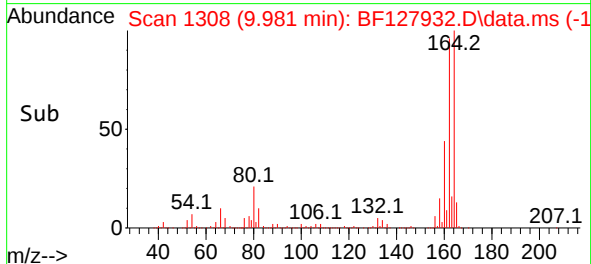
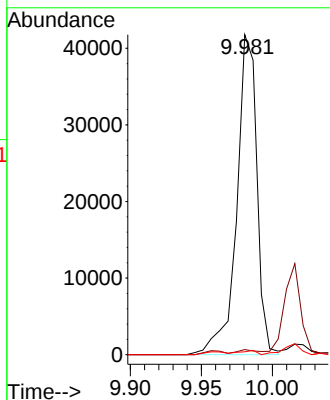
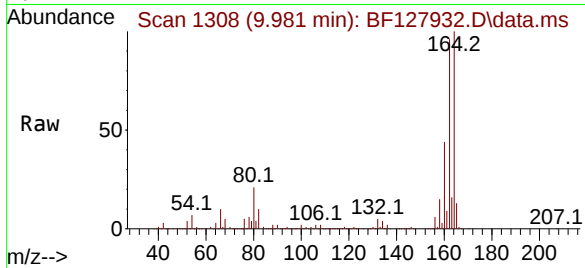




#51
2,6-Dinitrotoluene
Concen: 9.414 ng
RT: 9.981 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

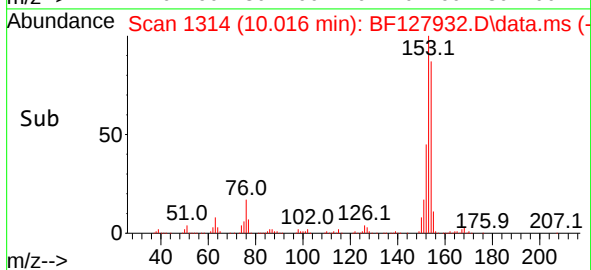
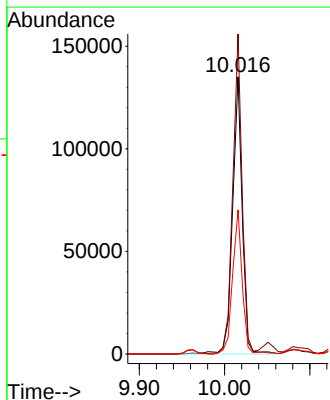
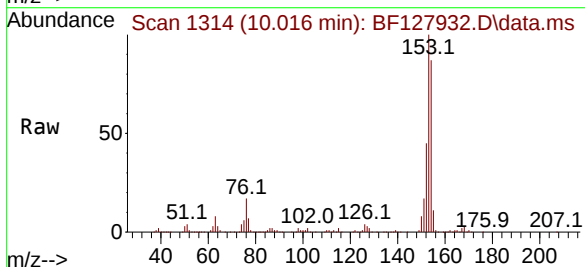
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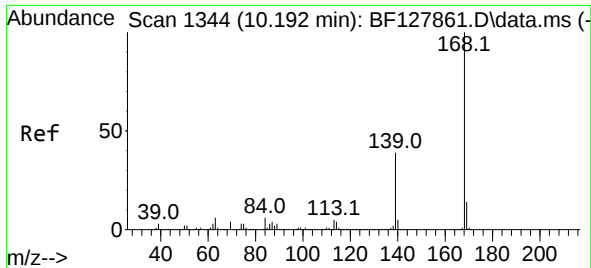
Tgt Ion:165 Resp: 41388
Ion Ratio Lower Upper
165 100
63 1.6 49.5 74.3#
89 0.9 49.0 73.4#



#52
Acenaphthene
Concen: 6.053 ng
RT: 10.016 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion:154 Resp: 106278
Ion Ratio Lower Upper
154 100
153 115.4 90.5 135.7
152 52.0 41.0 61.6

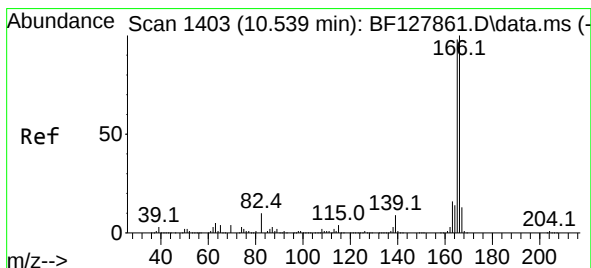
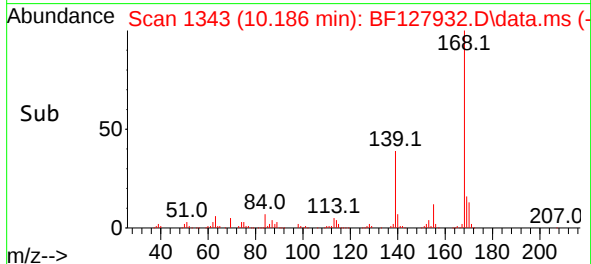
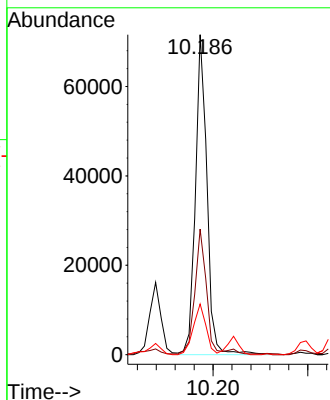
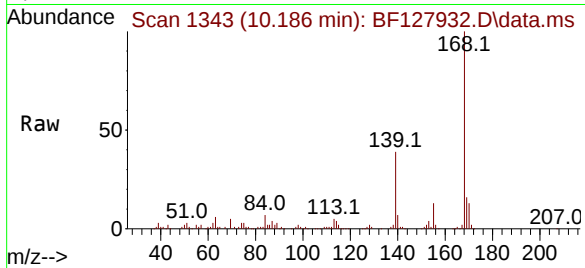




#55
Dibenzenofuran
Concen: 2.401 ng
RT: 10.186 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

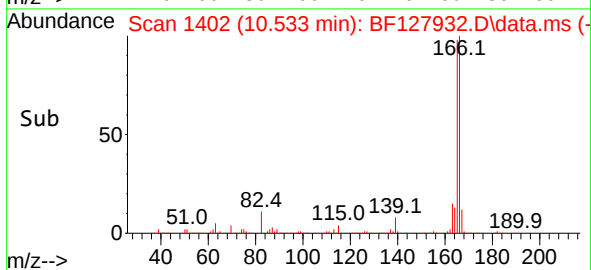
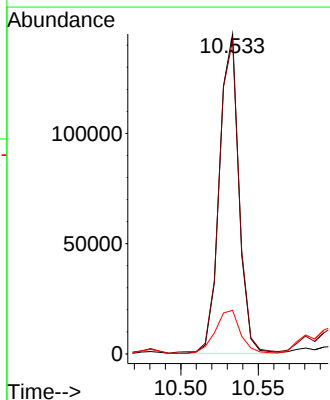
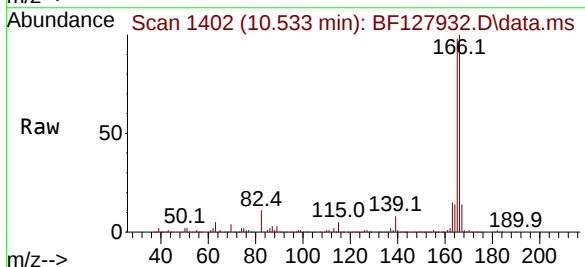
Instrument :
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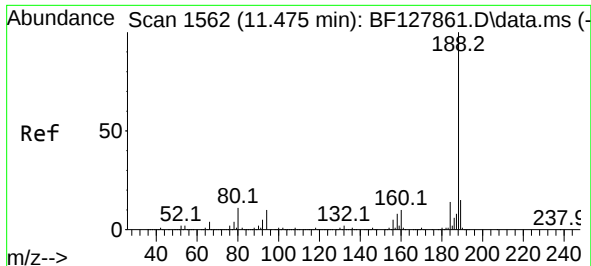
Tgt Ion:168 Resp: 60812
Ion Ratio Lower Upper
168 100
139 39.2 31.7 47.5
169 15.8 10.9 16.3



#58
Fluorene
Concen: 6.649 ng
RT: 10.533 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion:166 Resp: 125686
Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 13.7 10.5 15.7

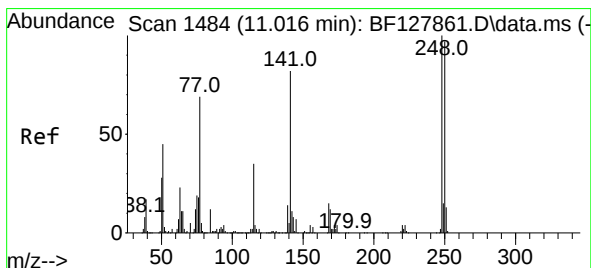
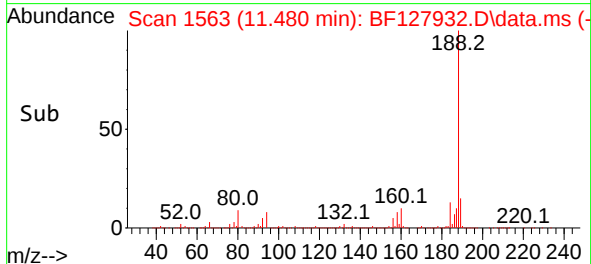
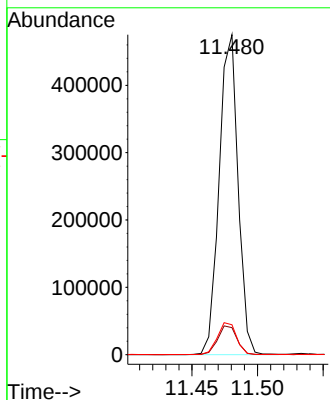
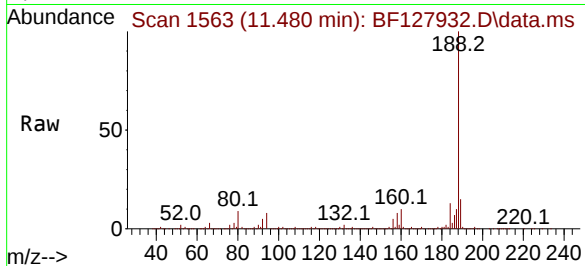




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

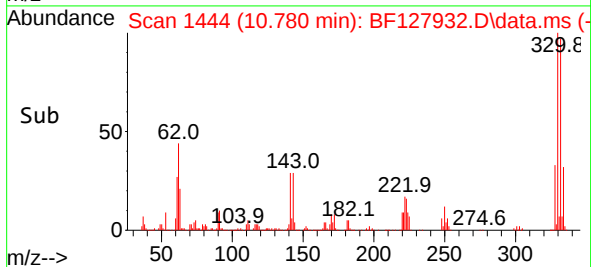
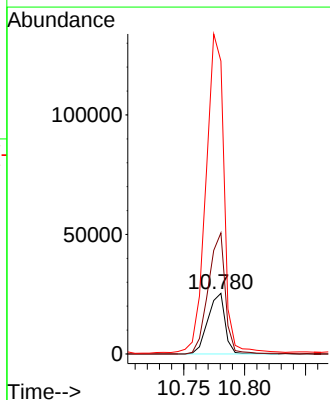
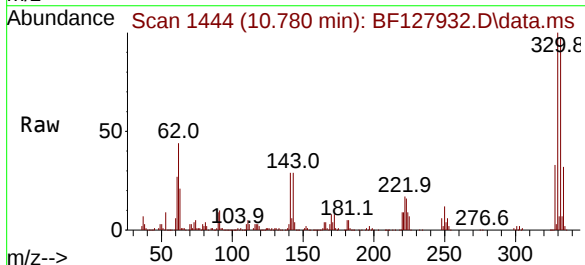
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

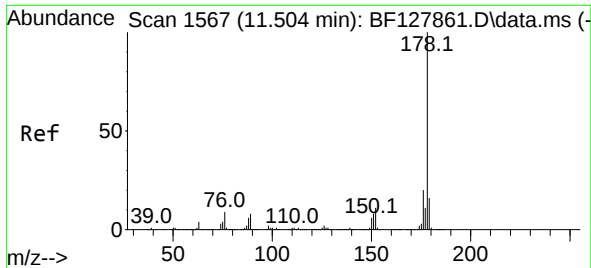
Tgt Ion:188 Resp: 475013
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 9.4 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 4.744 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.235 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion:248 Resp: 24980
Ion Ratio Lower Upper
248 100
250 199.7 77.7 116.5#
141 483.0 65.6 98.4#

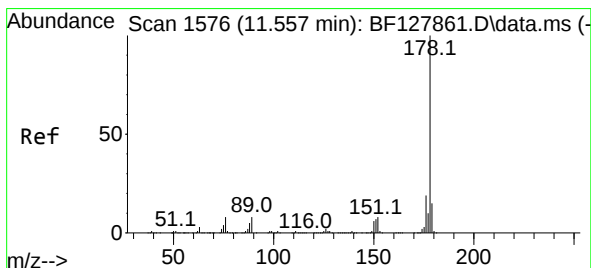
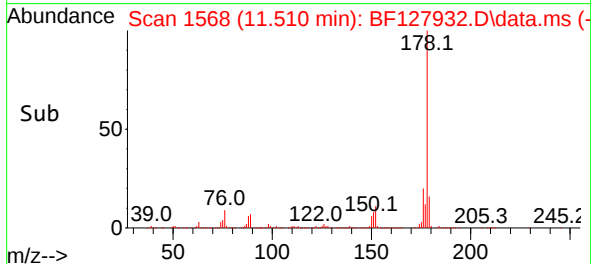
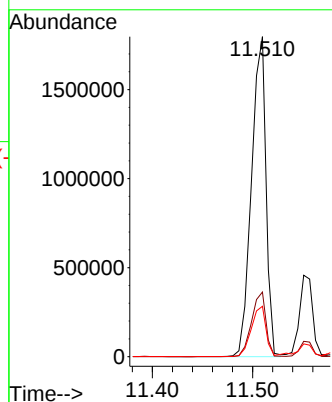
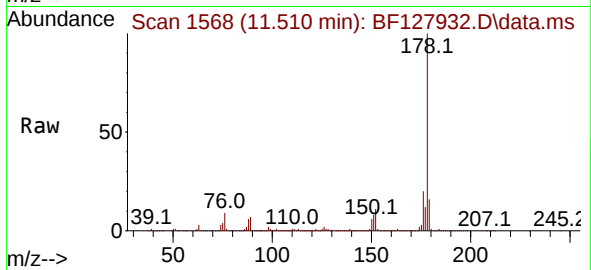




#71
Phenanthrene
Concen: 72.455 ng
RT: 11.510 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

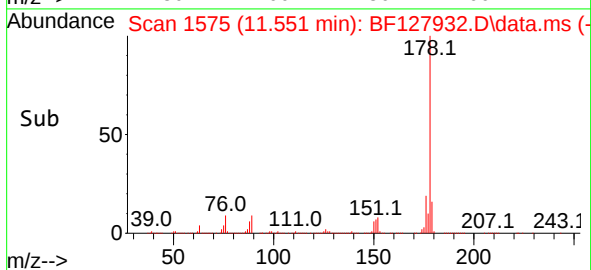
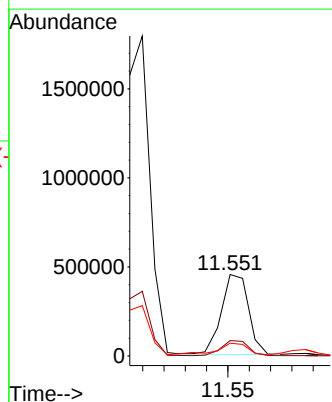
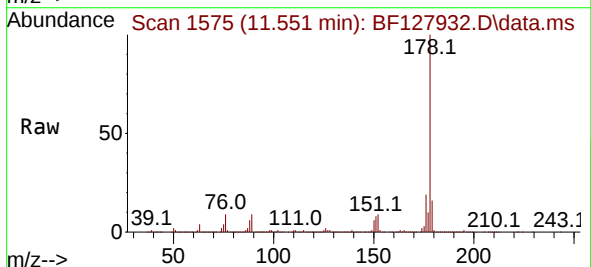
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

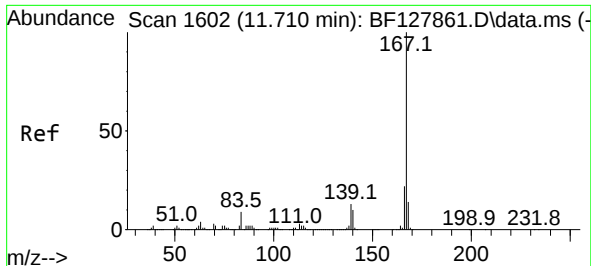
Tgt Ion:178 Resp: 1801571
Ion Ratio Lower Upper
178 100
176 20.2 15.7 23.5
179 15.8 12.6 19.0



#72
Anthracene
Concen: 16.232 ng
RT: 11.551 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion:178 Resp: 402051
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.8 12.4 18.6

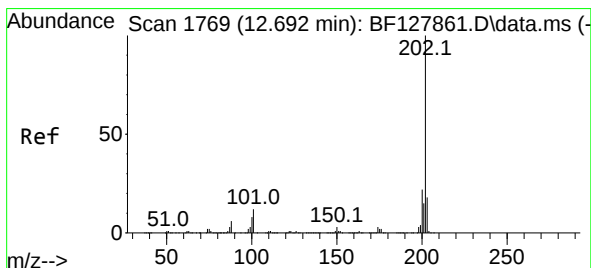
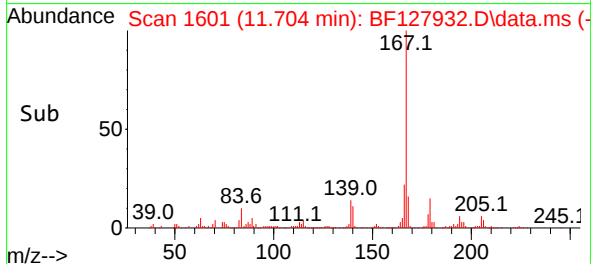
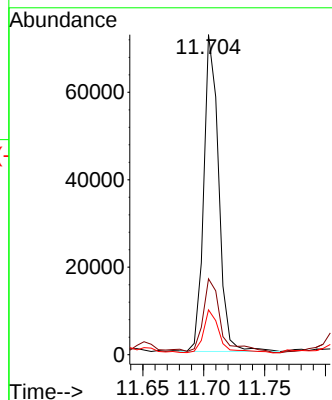
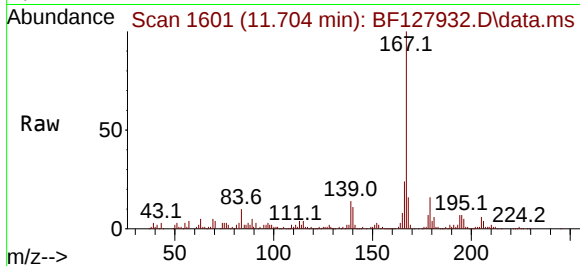




#73
 Carbazole
 Concen: 2.578 ng
 RT: 11.704 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF127932.D
 Acq: 27 Apr 2022 00:32

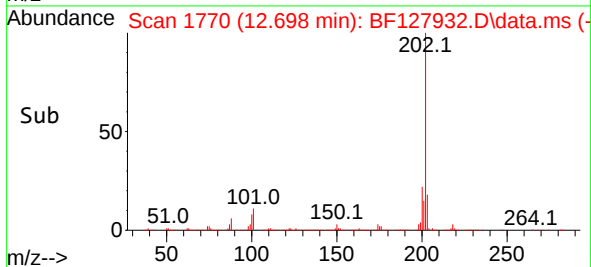
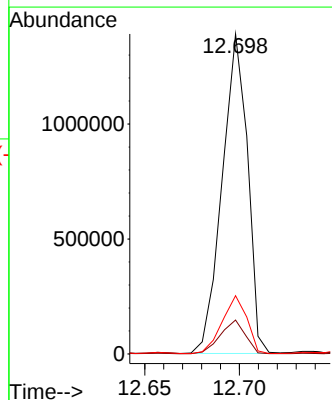
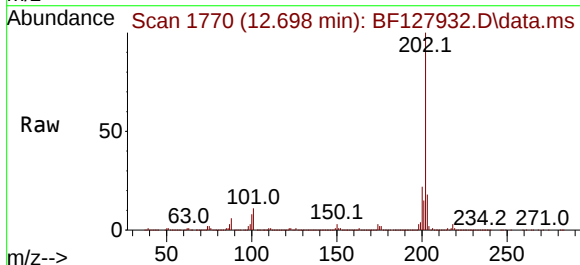
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5MSD

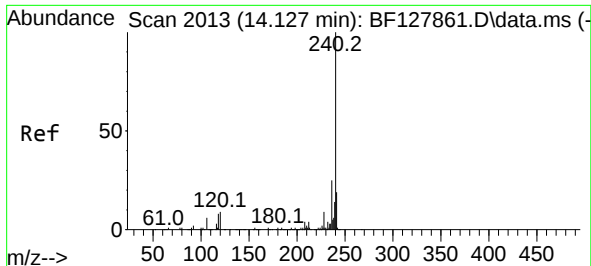
Tgt Ion:167 Resp: 61536
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.6 26.4
 139 14.0 10.7 16.1



#75
 Fluoranthene
 Concen: 49.516 ng
 RT: 12.698 min Scan# 1770
 Delta R.T. 0.006 min
 Lab File: BF127932.D
 Acq: 27 Apr 2022 00:32

Tgt Ion:202 Resp: 1295785
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.6
 203 18.2 0.0 38.1

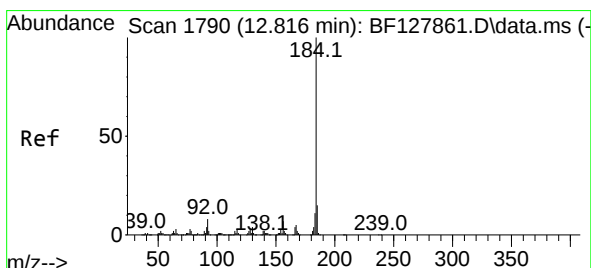
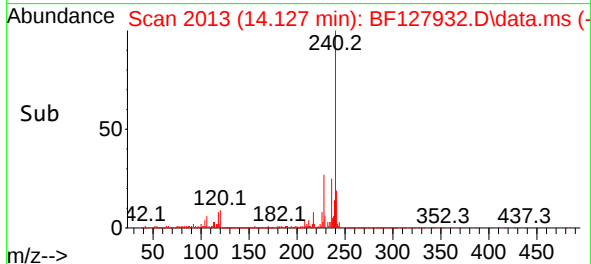
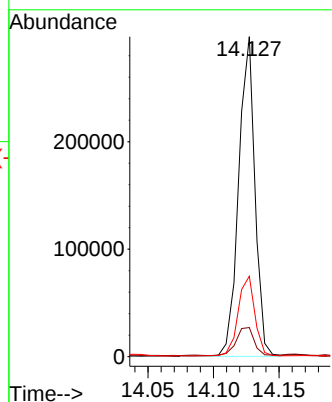
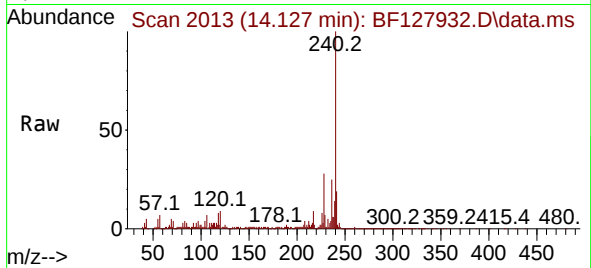




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

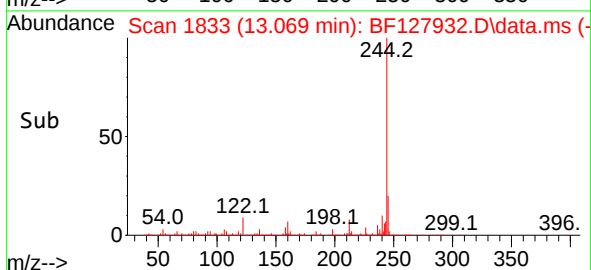
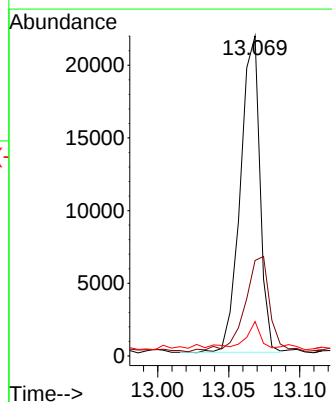
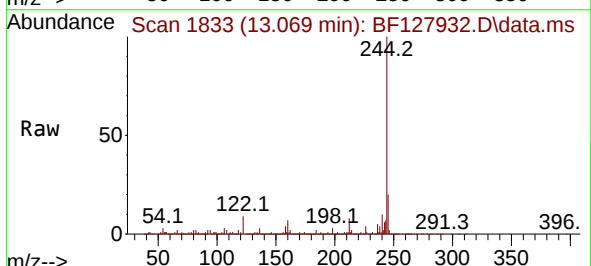
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

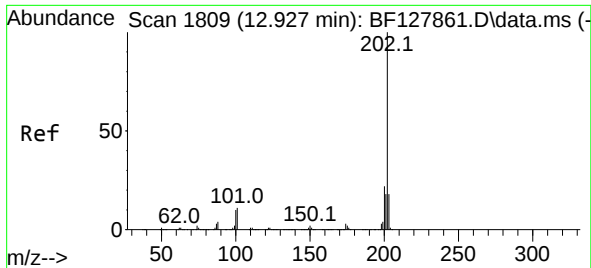
Tgt Ion:240 Resp: 257542
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.2 20.3 30.5



#77
Benzidine
Concen: 4.274 ng
RT: 13.069 min Scan# 1833
Delta R.T. 0.253 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion:184 Resp: 20827
Ion Ratio Lower Upper
184 100
185 29.9 12.1 18.1#
183 10.7 9.0 13.4

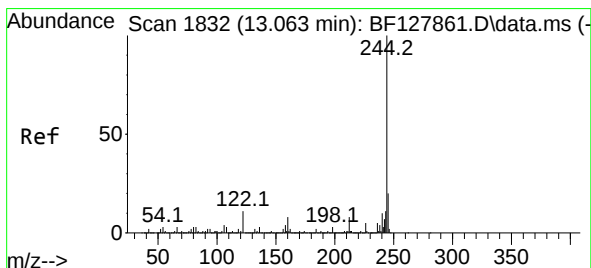
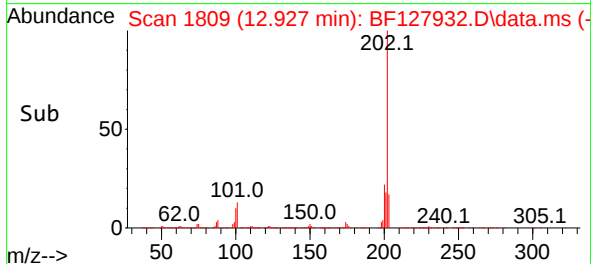
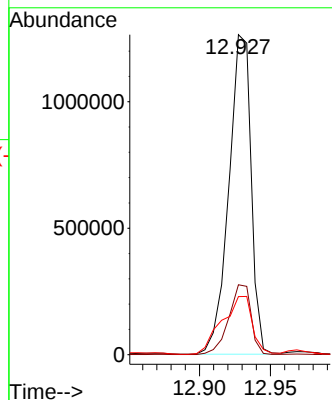
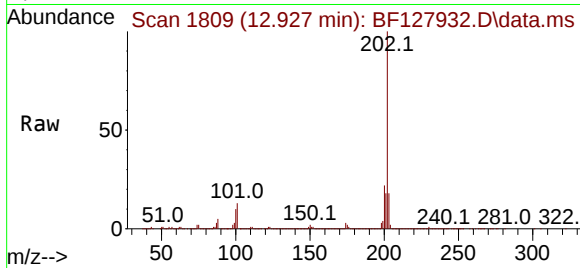




#78
Pyrene
Concen: 66.535 ng
RT: 12.927 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

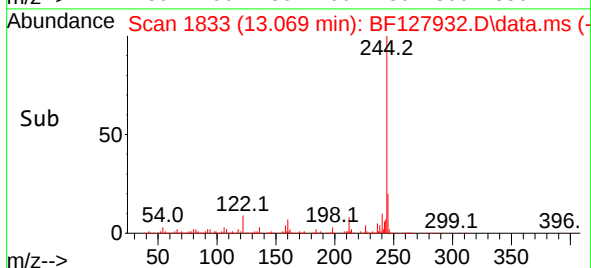
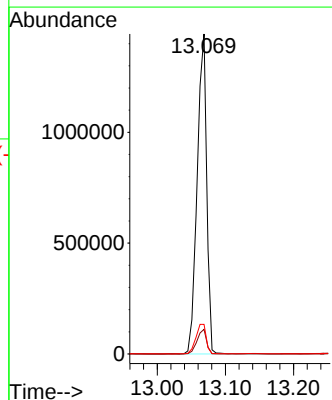
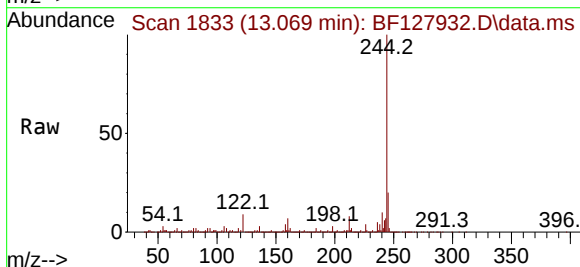
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

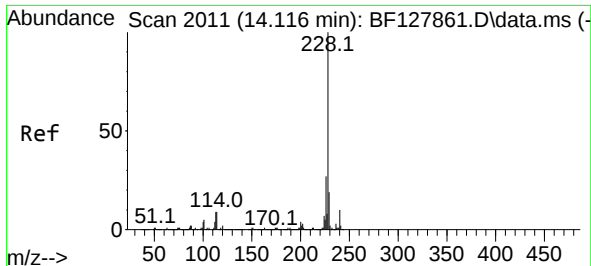
Tgt Ion:202 Resp: 1383275
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.2 14.0 21.0



#79
Terphenyl-d14
Concen: 99.026 ng
RT: 13.069 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion:244 Resp: 1394720
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 9.3 8.6 12.8

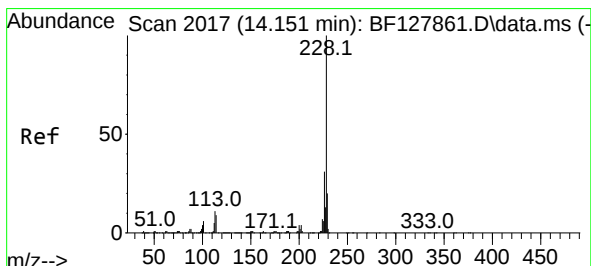
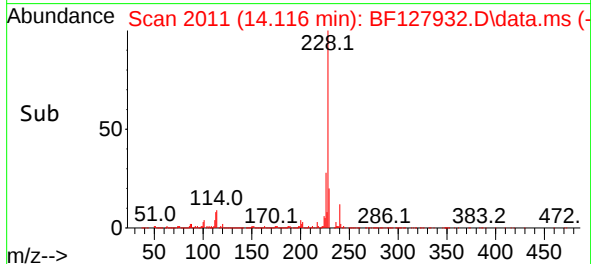
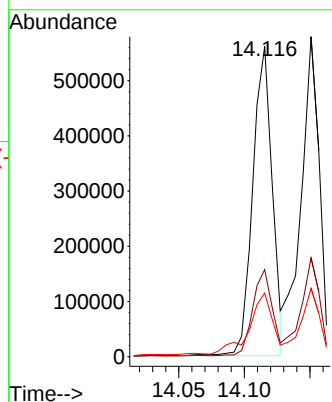
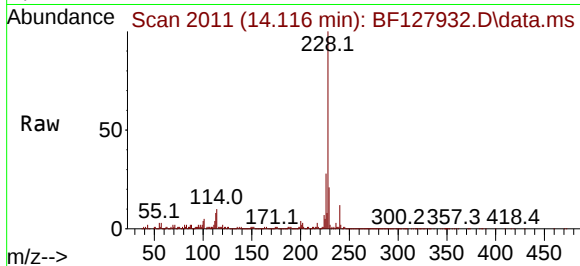




#81
Benzo(a)anthracene
Concen: 33.749 ng
RT: 14.116 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

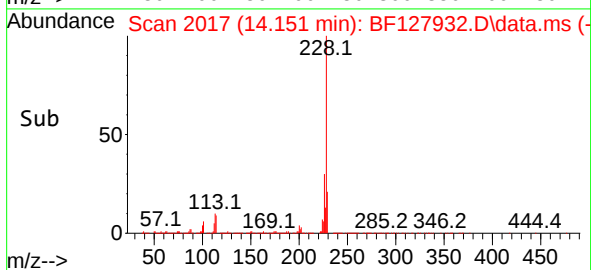
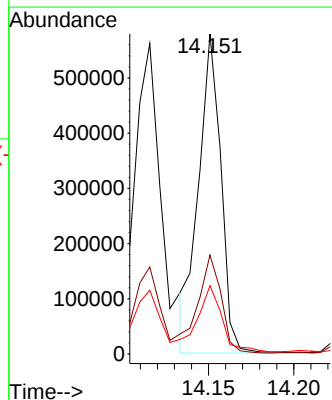
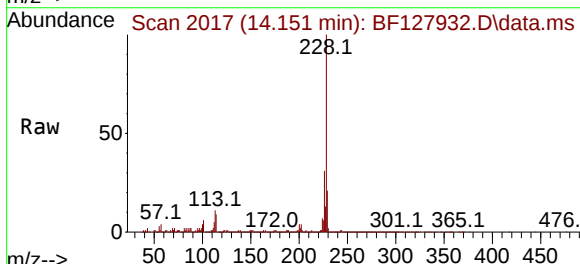
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

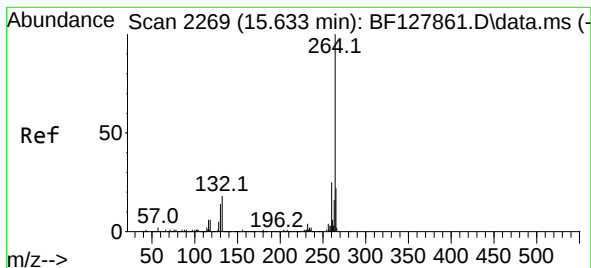
Tgt Ion:228 Resp: 579334
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 20.5 15.4 23.2



#83
Chrysene
Concen: 32.267 ng
RT: 14.151 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion:228 Resp: 528990
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 21.4 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: BF127932.D

Acq: 27 Apr 2022 00:32

Instrument :

BNA_F

ClientSampleId :

E14ST-EB4-041922-0-5MSD

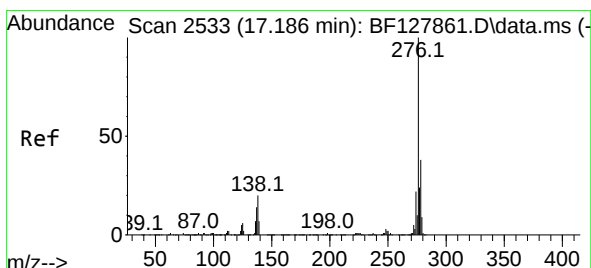
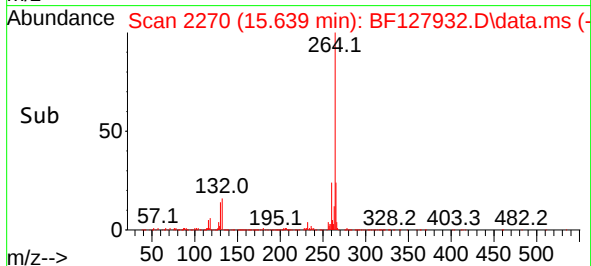
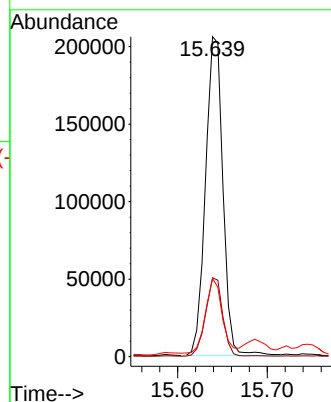
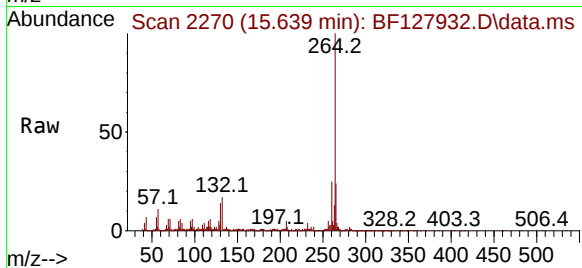
Tgt Ion:264 Resp: 277024

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 24.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.776 ng

RT: 17.180 min Scan# 2532

Delta R.T. -0.006 min

Lab File: BF127932.D

Acq: 27 Apr 2022 00:32

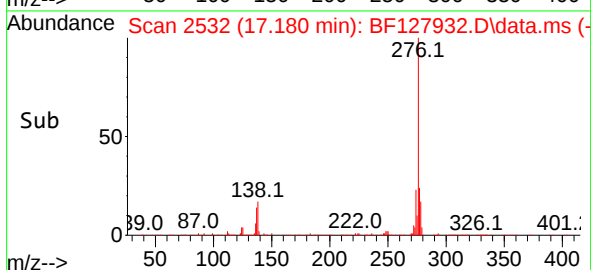
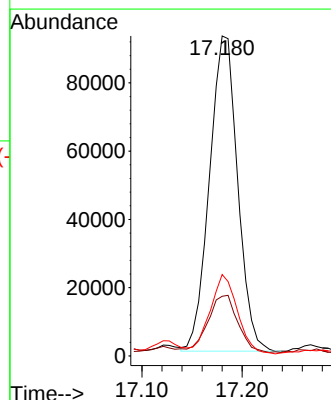
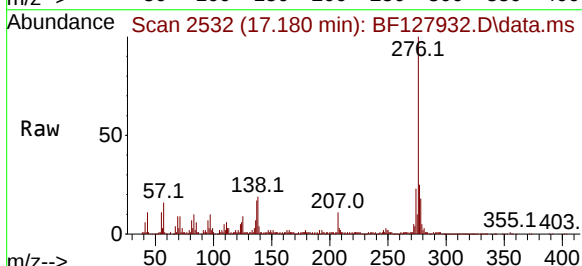
Tgt Ion:276 Resp: 180768

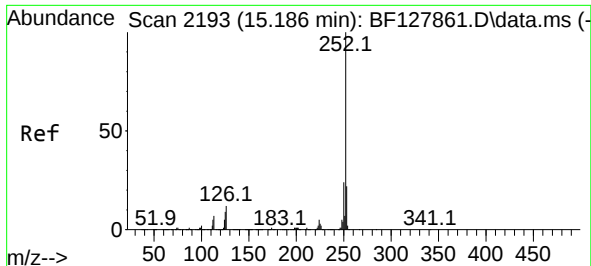
Ion Ratio Lower Upper

276 100

138 19.2 19.0 28.4

277 24.5 20.1 30.1

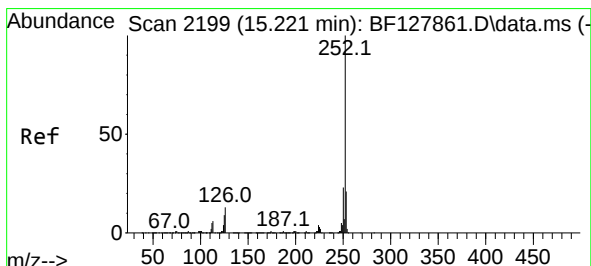
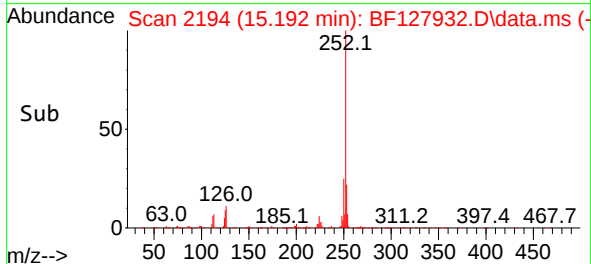
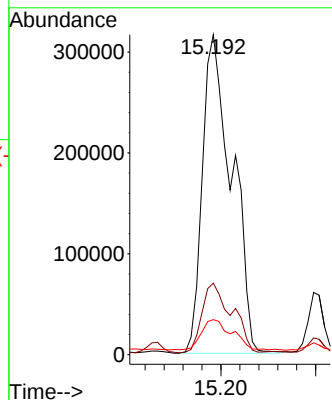
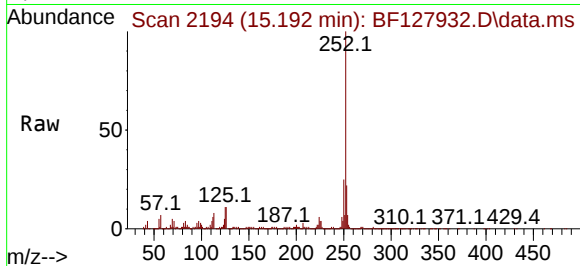




#88
Benzo(b)fluoranthene
Concen: 39.281 ng
RT: 15.192 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

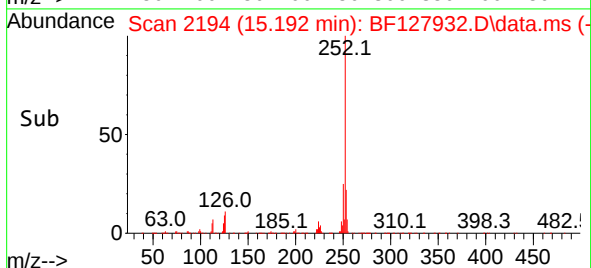
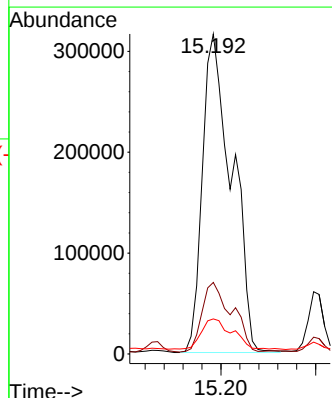
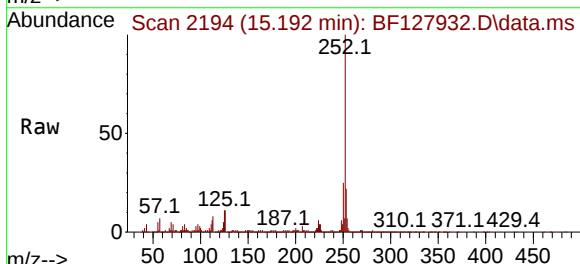
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD

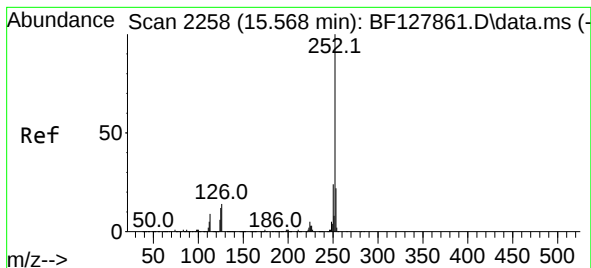
Tgt Ion:252 Resp: 683470
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 10.9 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 38.989 ng
RT: 15.192 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

Tgt Ion:252 Resp: 683470
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.4
125 10.9 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 29.630 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127932.D

Acq: 27 Apr 2022 00:32

Instrument :

BNA_F

ClientSampleId :

E14ST-EB4-041922-0-5MSD

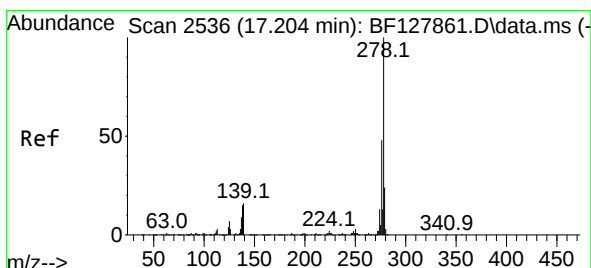
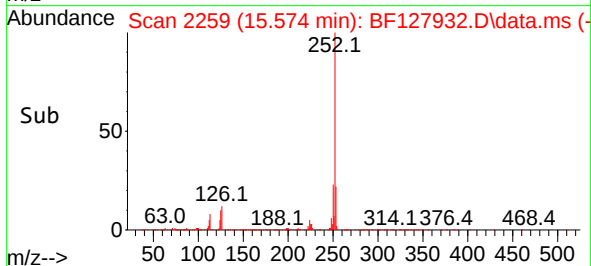
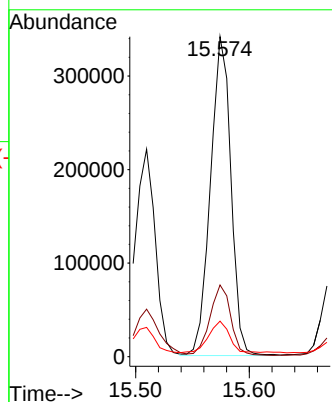
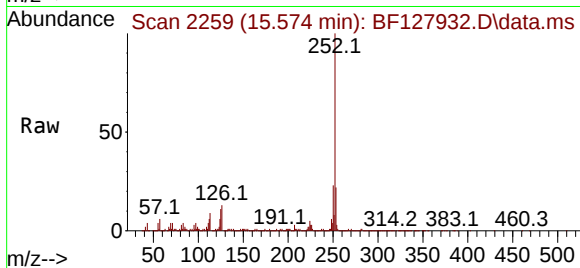
Tgt Ion:252 Resp: 427645

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 11.1 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 2.135 ng

RT: 17.439 min Scan# 2576

Delta R.T. 0.235 min

Lab File: BF127932.D

Acq: 27 Apr 2022 00:32

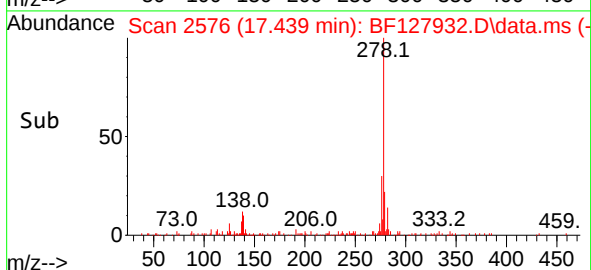
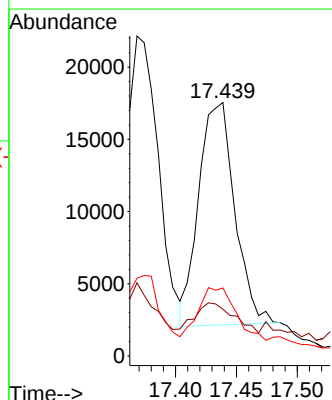
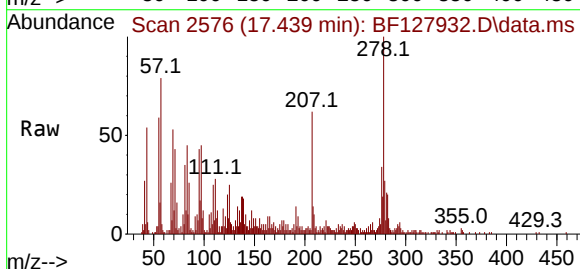
Tgt Ion:278 Resp: 31662

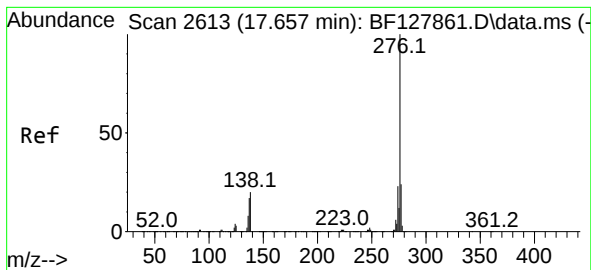
Ion Ratio Lower Upper

278 100

139 18.4 12.6 19.0

279 26.9 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 10.592 ng

RT: 17.651 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127932.D

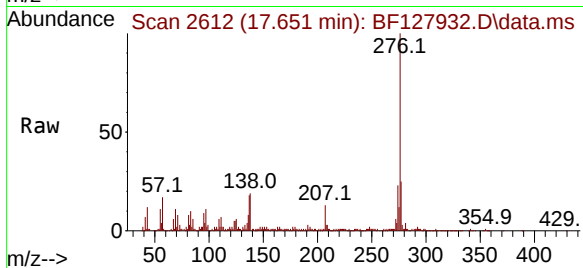
Acq: 27 Apr 2022 00:32

Instrument :

BNA_F

ClientSampleId :

E14ST-EB4-041922-0-5MSD



Tgt Ion:276 Resp: 165535

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 19.1 16.2 24.2

