

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127900.D
 Acq On : 26 Apr 2022 00:36
 Operator : CG\JU
 Sample : N2476-03D; 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-041922DL

Quant Time: Apr 26 05:41:28 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)

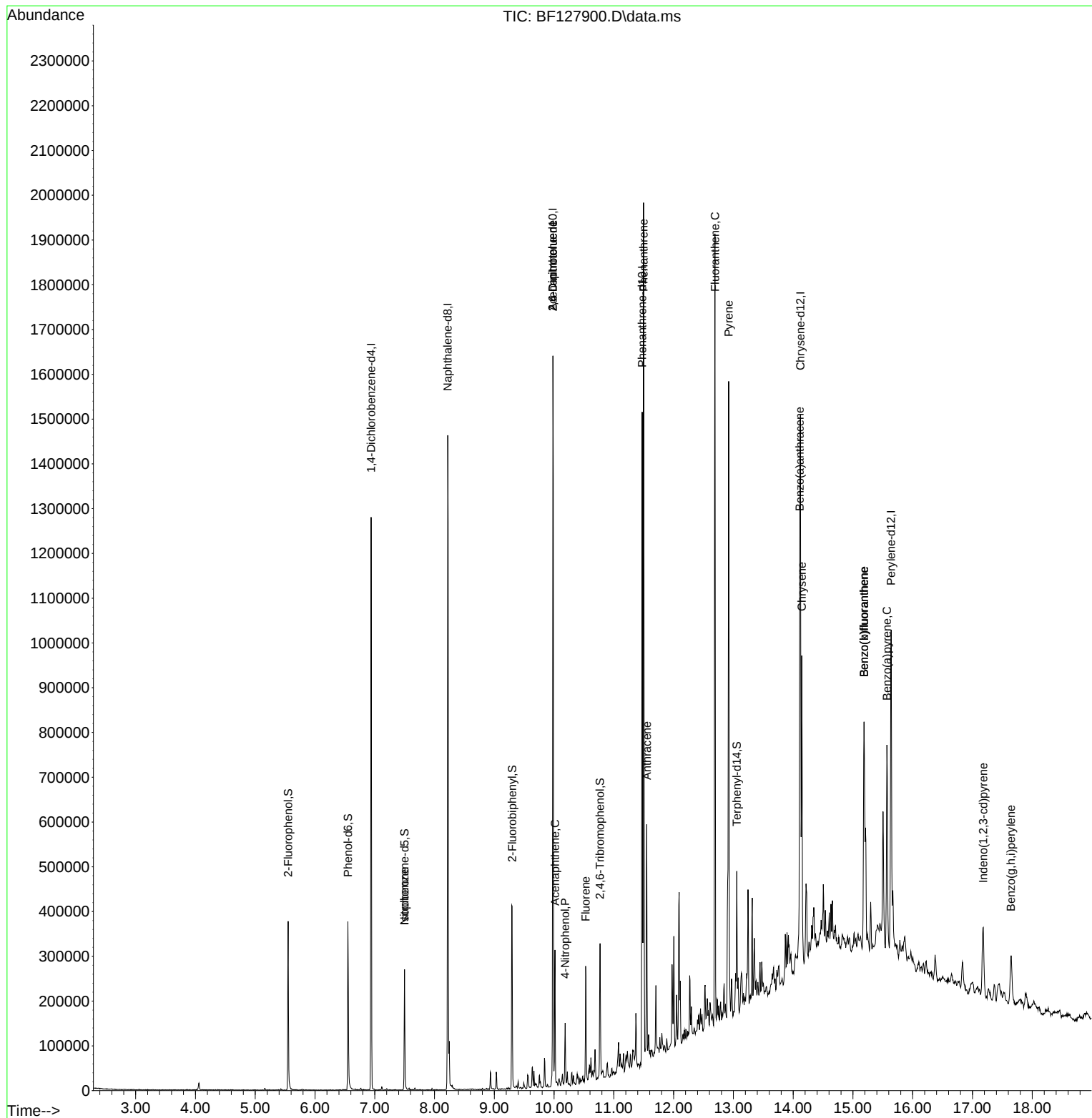
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	167901	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	628501	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	342855	20.000	ng	0.00
64) Phenanthrene-d10	11.474	188	526395	20.000	ng	0.00
76) Chrysene-d12	14.121	240	334718	20.000	ng	0.00
86) Perylene-d12	15.639	264	351526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	98203	9.316	ng	-0.01
7) Phenol-d6	6.551	99	121918	8.913	ng	-0.02
23) Nitrobenzene-d5	7.498	82	79736	5.966	ng	-0.01
42) 2,4,6-Tribromophenol	10.769	330	25982	7.528	ng	-0.01
45) 2-Fluorobiphenyl	9.298	172	137095	6.765	ng	0.00
79) Terphenyl-d14	13.057	244	97098	5.304	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.498	82	79735	3.545	ng	# 68
51) 2,6-Dinitrotoluene	9.980	165	45427	9.125	ng	# 22
52) Acenaphthene	10.016	154	58108	2.923	ng	98
56) 4-Nitrophenol	10.186	139	17942	4.250	ng	# 2
57) 2,4-Dinitrotoluene	9.980	165	45427	6.889	ng	# 26
58) Fluorene	10.527	166	75407	3.523	ng	96
71) Phenanthrene	11.498	178	660997	23.989	ng	99
72) Anthracene	11.551	178	194391	7.082	ng	100
75) Fluoranthene	12.692	202	675308	23.286	ng	99
78) Pyrene	12.921	202	569972	21.094	ng	99
81) Benzo(a)anthracene	14.110	228	285212	12.784	ng	97
83) Chrysene	14.145	228	244910	11.494	ng	96
87) Indeno(1,2,3-cd)pyrene	17.180	276	114163	4.866	ng	97
88) Benzo(b)fluoranthene	15.186	252	415263	18.808	ng	97
89) Benzo(k)fluoranthene	15.186	252	415263	18.668	ng	# 95
90) Benzo(a)pyrene	15.568	252	229659	12.540	ng	99
92) Benzo(g,h,i)perylene	17.645	276	101994	5.143	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
Data File : BF127900.D
Acq On : 26 Apr 2022 00:36
Operator : CG\JU
Sample : N2476-03D; 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-02-041922DL

Quant Time: Apr 26 05:41:28 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

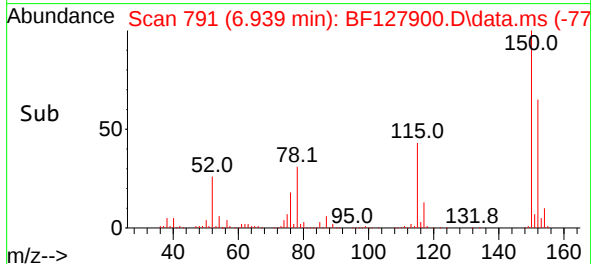
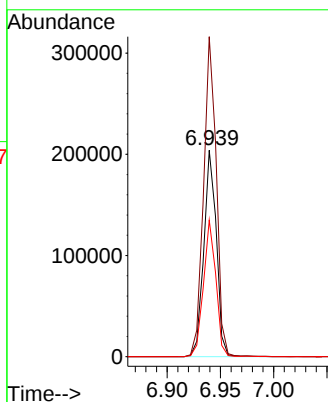
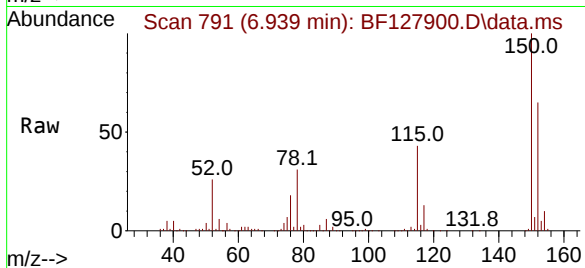




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.939 min Scan# 792
 Delta R.T. -0.006 min
 Lab File: BF127900.D
 Acq: 26 Apr 2022 00:36

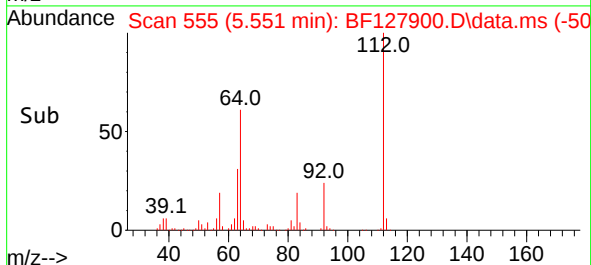
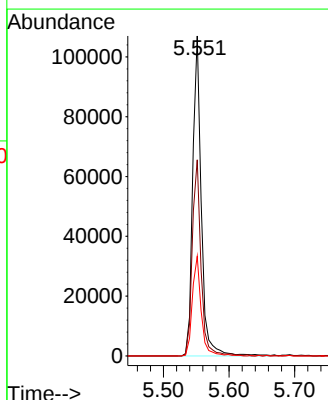
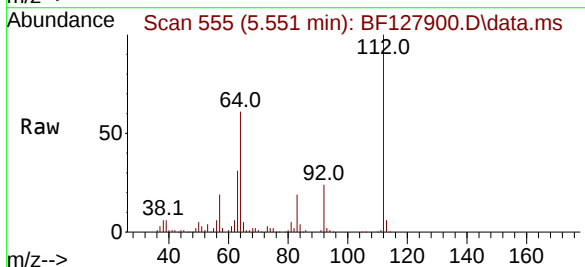
Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-041922DL

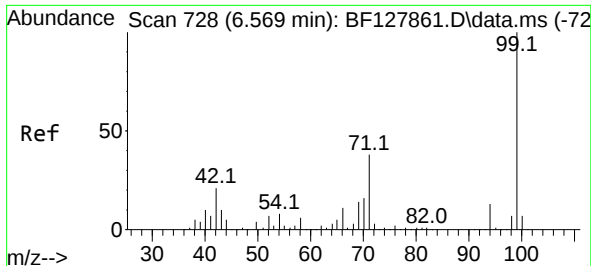
Tgt Ion:152 Resp: 167901
 Ion Ratio Lower Upper
 152 100
 150 155.0 125.3 187.9
 115 66.2 48.8 73.2



#5
 2-Fluorophenol
 Concen: 9.316 ng
 RT: 5.551 min Scan# 555
 Delta R.T. -0.012 min
 Lab File: BF127900.D
 Acq: 26 Apr 2022 00:36

Tgt Ion:112 Resp: 98203
 Ion Ratio Lower Upper
 112 100
 64 61.3 49.5 74.3
 63 31.2 26.3 39.5

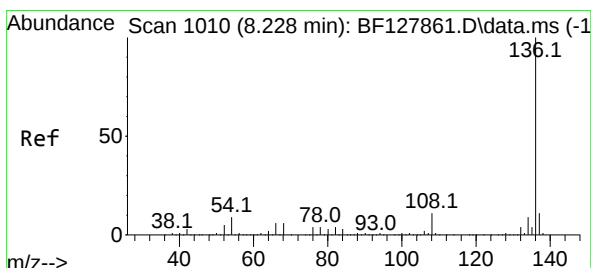
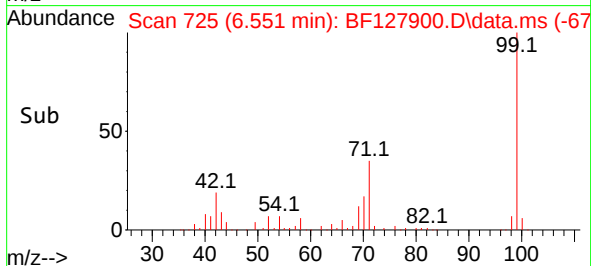
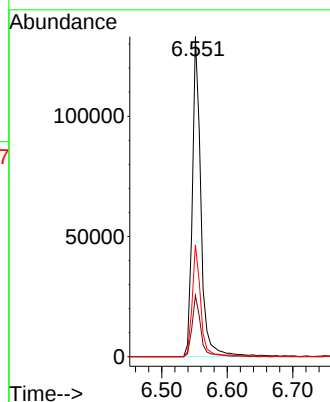
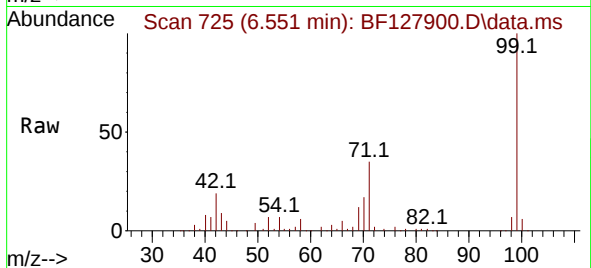




#7
Phenol-d6
Concen: 8.913 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

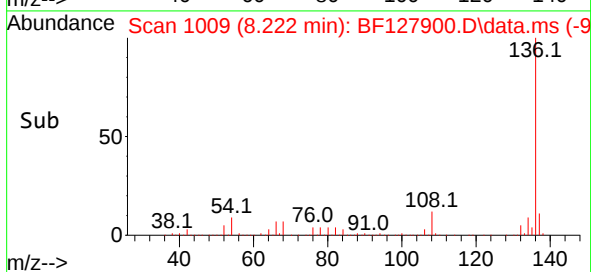
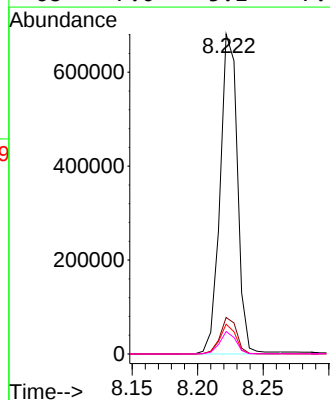
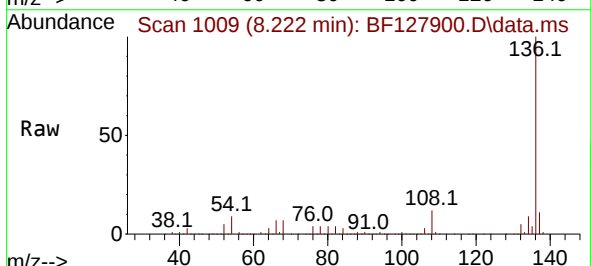
Instrument :
BNA_F
ClientSampleId :
PAT-02-041922DL

Tgt Ion: 99 Resp: 121918
Ion Ratio Lower Upper
99 100
42 19.2 16.6 24.8
71 35.0 30.0 45.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

Tgt Ion: 136 Resp: 628501
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 9.3 6.8 10.2
68 7.0 5.1 7.7

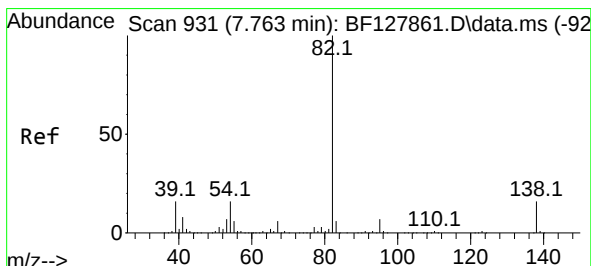
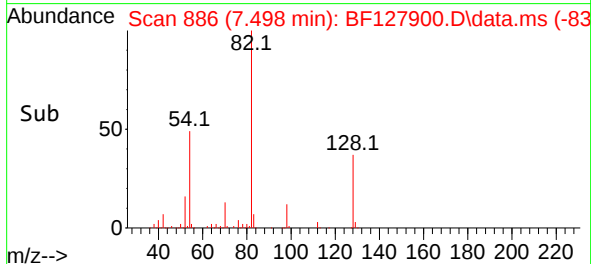
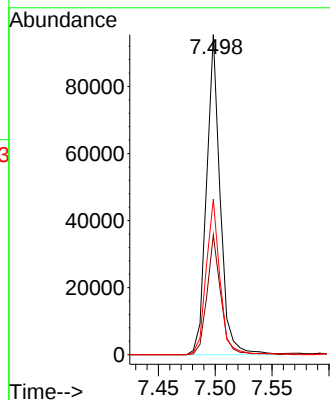
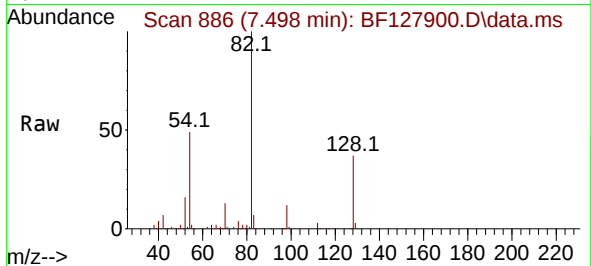




#23
Nitrobenzene-d5
Concen: 5.966 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

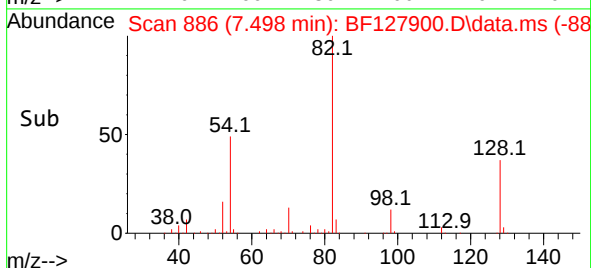
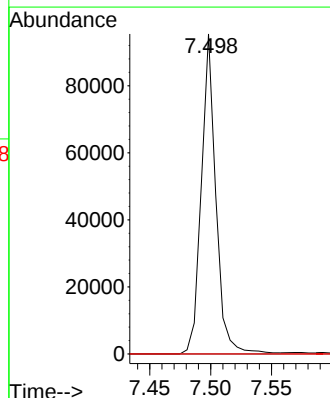
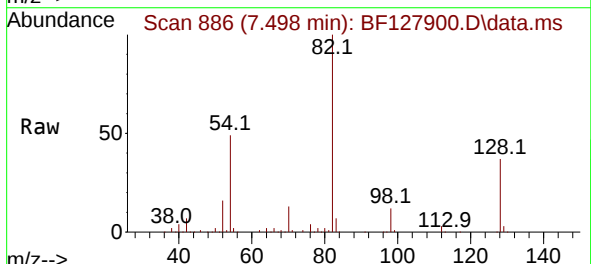
Instrument :
BNA_F
ClientSampleId :
PAT-02-041922DL

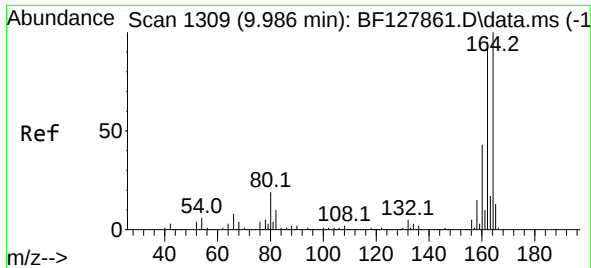
Tgt Ion: 82 Resp: 79736
Ion Ratio Lower Upper
82 100
128 37.4 30.0 45.0
54 48.6 41.3 61.9



#25
Isophorone
Concen: 3.545 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.265 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

Tgt Ion: 82 Resp: 79735
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#

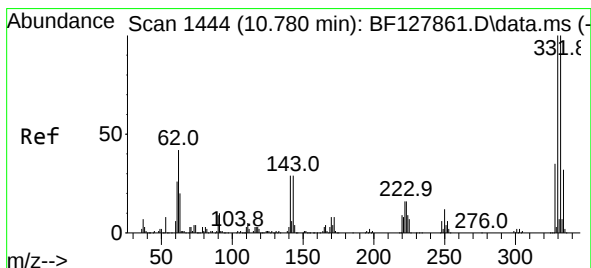
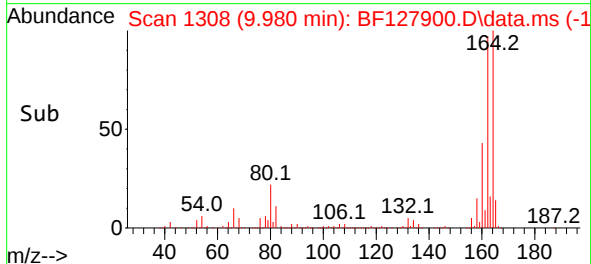
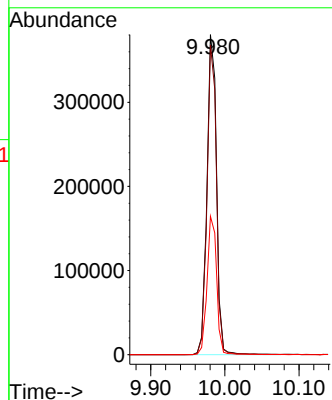
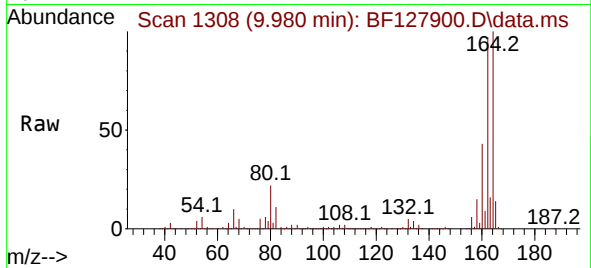




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

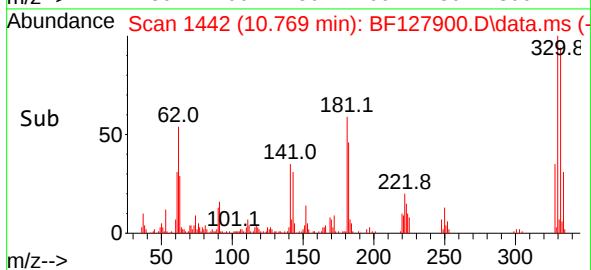
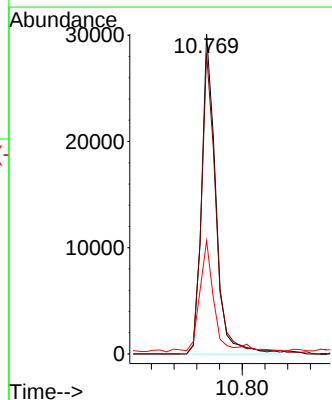
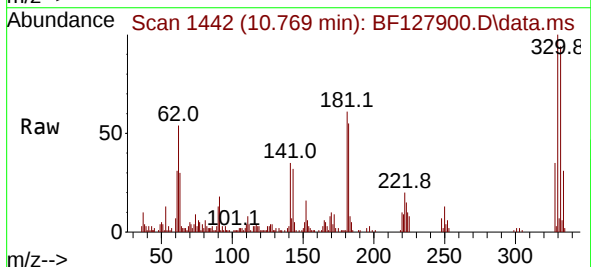
Instrument :
BNA_F
ClientSampleId :
PAT-02-041922DL

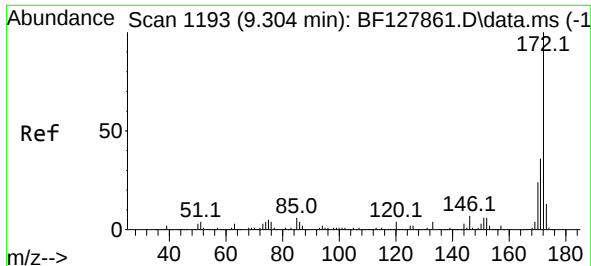
Tgt Ion:164 Resp: 342855
Ion Ratio Lower Upper
164 100
162 96.8 76.0 114.0
160 43.3 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 7.528 ng
RT: 10.769 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

Tgt Ion:330 Resp: 25982
Ion Ratio Lower Upper
330 100
332 95.6 79.0 118.4
141 34.1 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 6.765 ng

RT: 9.298 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF127900.D

Acq: 26 Apr 2022 00:36

Instrument :

BNA_F

ClientSampleId :

PAT-02-041922DL

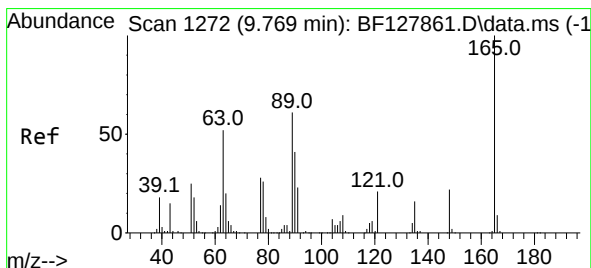
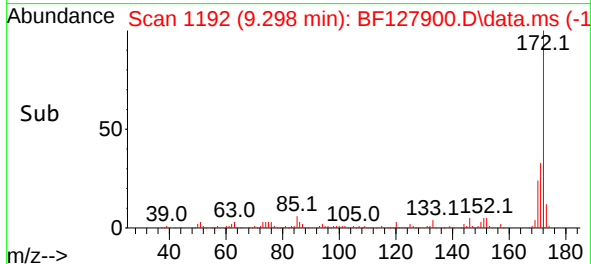
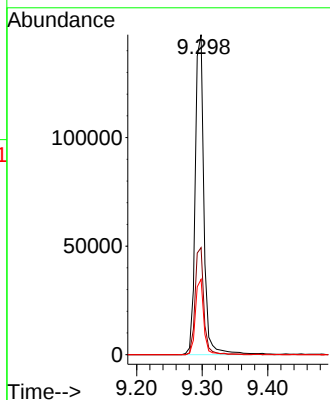
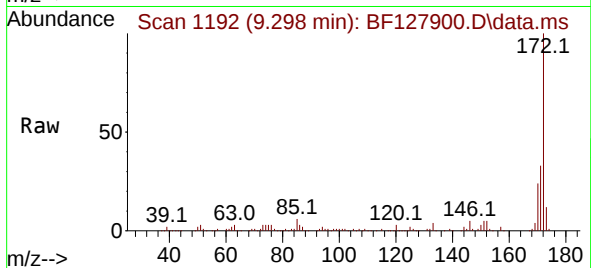
Tgt Ion:172 Resp: 137095

Ion Ratio Lower Upper

172 100

171 33.5 28.6 42.8

170 23.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.125 ng

RT: 9.980 min Scan# 1308

Delta R.T. 0.211 min

Lab File: BF127900.D

Acq: 26 Apr 2022 00:36

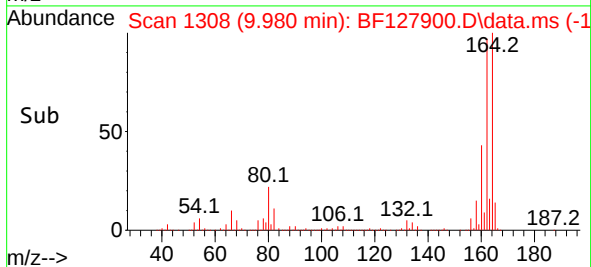
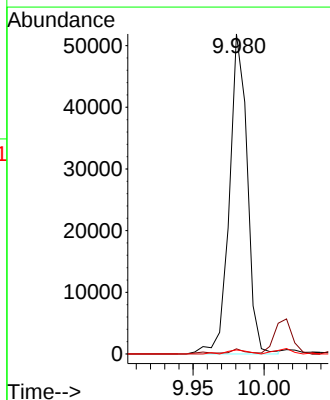
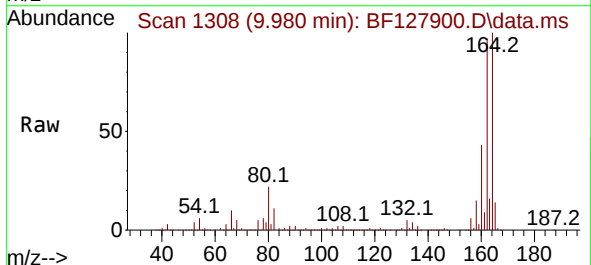
Tgt Ion:165 Resp: 45427

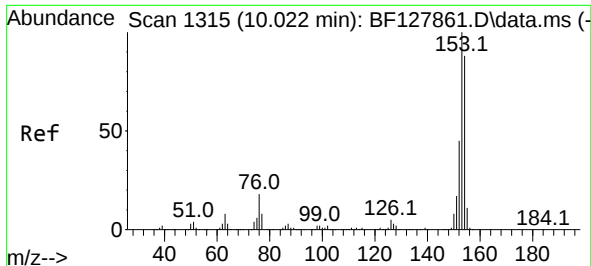
Ion Ratio Lower Upper

165 100

63 1.6 49.5 74.3#

89 1.3 49.0 73.4#

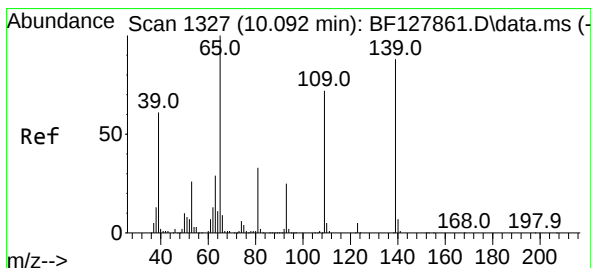
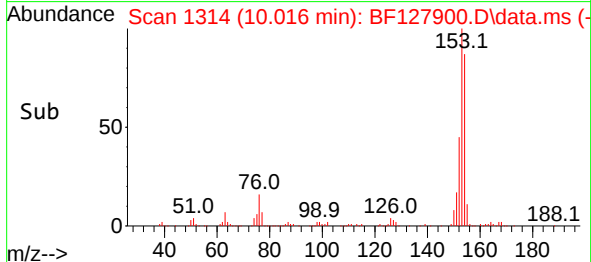
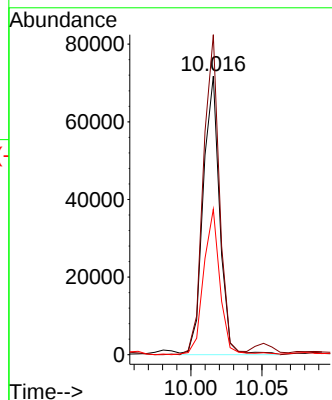
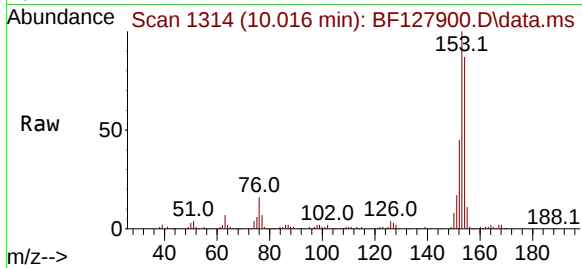




#52
Acenaphthene
Concen: 2.923 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

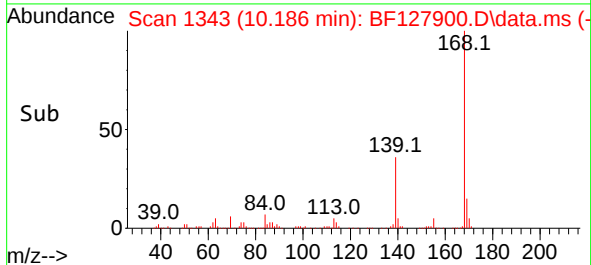
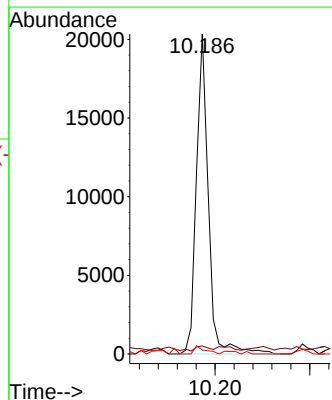
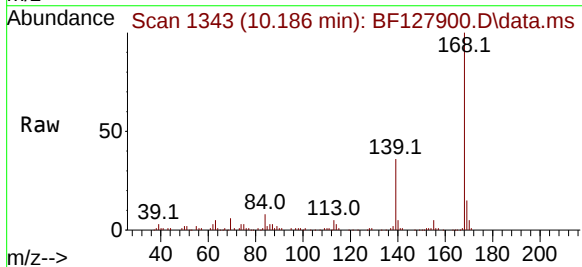
Instrument :
BNA_F
ClientSampleId :
PAT-02-041922DL

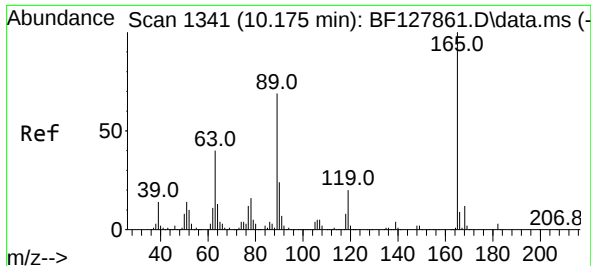
Tgt Ion:154 Resp: 58108
Ion Ratio Lower Upper
154 100
153 114.9 90.5 135.7
152 52.2 41.0 61.6



#56
4-Nitrophenol
Concen: 4.250 ng
RT: 10.186 min Scan# 1343
Delta R.T. 0.094 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

Tgt Ion:139 Resp: 17942
Ion Ratio Lower Upper
139 100
109 2.5 61.9 101.9#
65 1.3 93.5 133.5#

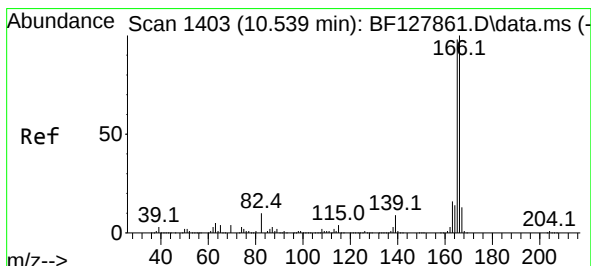
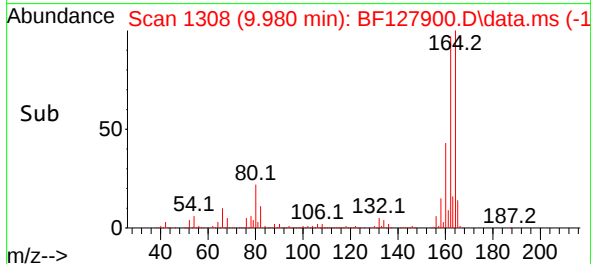
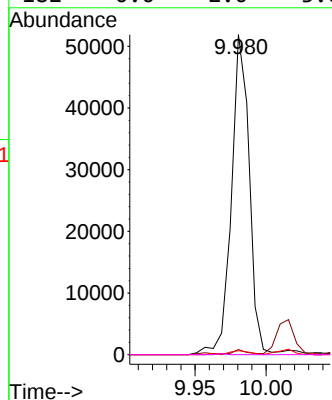
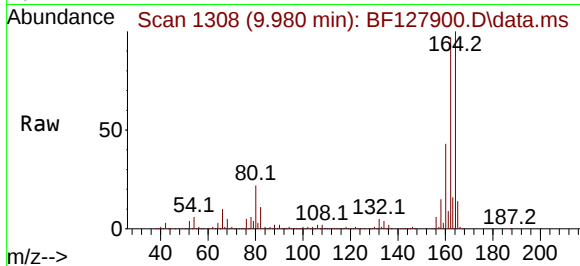




#57
2,4-Dinitrotoluene
Concen: 6.889 ng
RT: 9.980 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

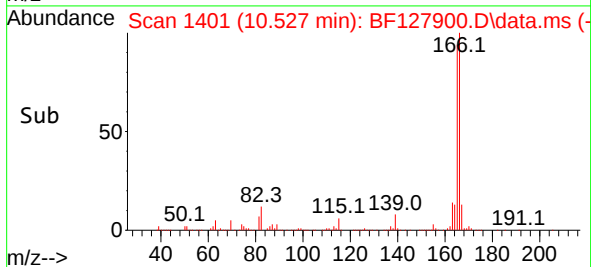
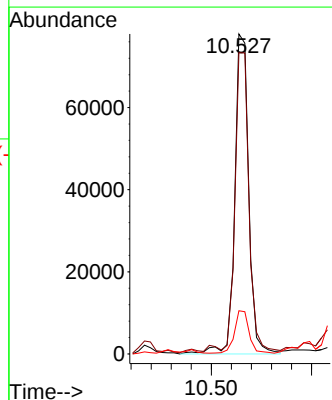
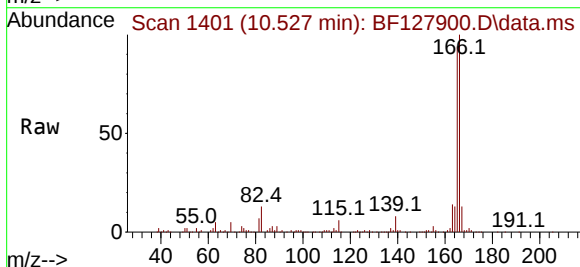
Instrument :
BNA_F
ClientSampleId :
PAT-02-041922DL

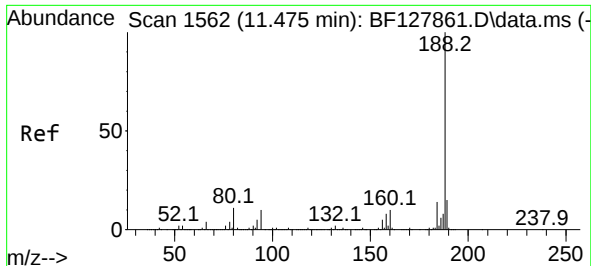
Tgt Ion:165 Resp: 45427
Ion Ratio Lower Upper
165 100
63 1.6 32.6 49.0#
89 1.3 55.2 82.8#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 3.523 ng
RT: 10.527 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

Tgt Ion:166 Resp: 75407
Ion Ratio Lower Upper
166 100
165 94.1 78.6 117.8
167 13.5 10.5 15.7

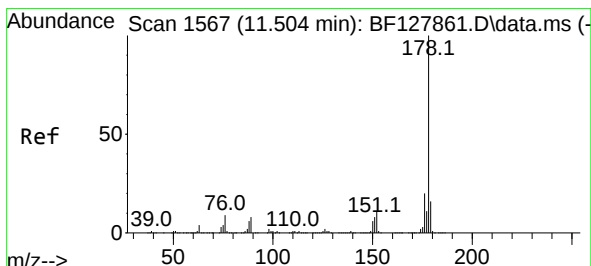
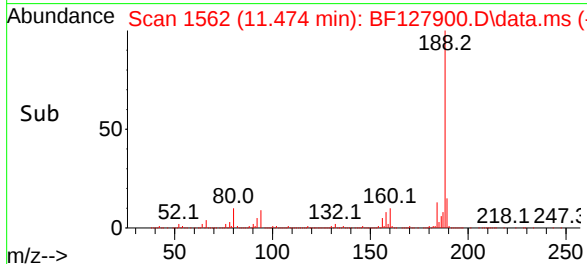
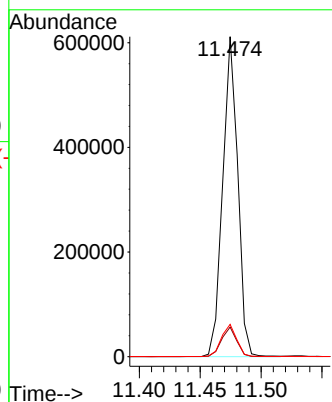
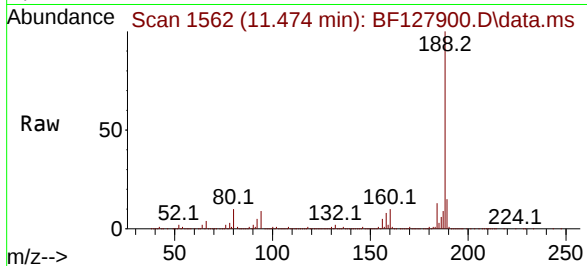




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

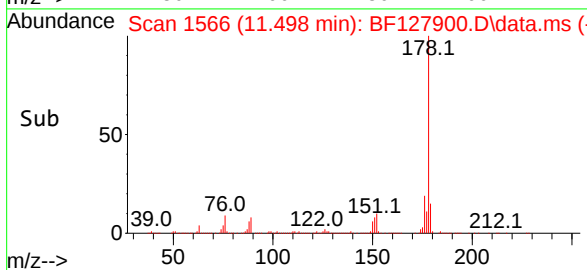
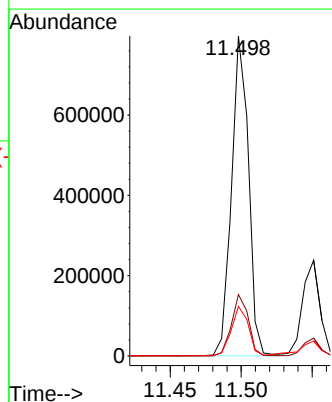
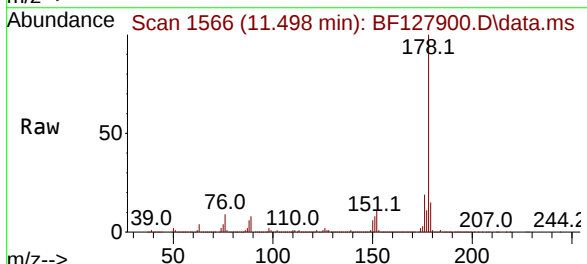
Instrument :
BNA_F
ClientSampleId :
PAT-02-041922DL

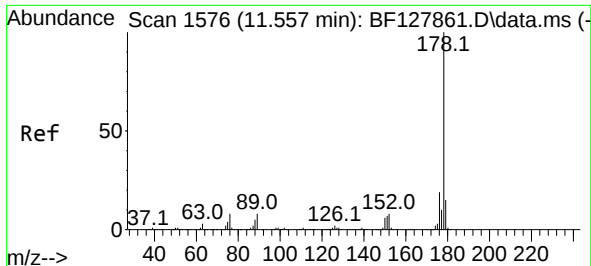
Tgt Ion:188 Resp: 526395
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.1 8.9 13.3



#71
Phenanthrene
Concen: 23.989 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

Tgt Ion:178 Resp: 660997
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.5 12.6 19.0

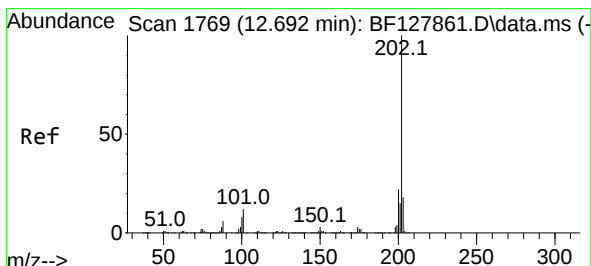
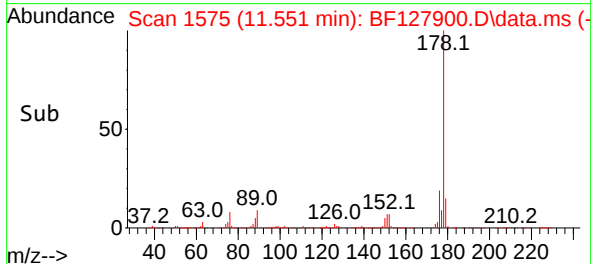
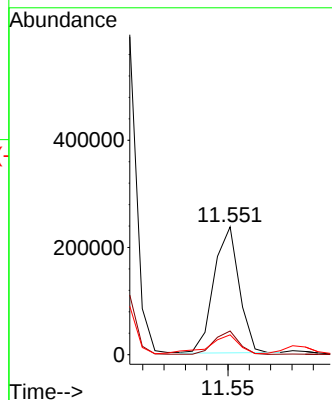
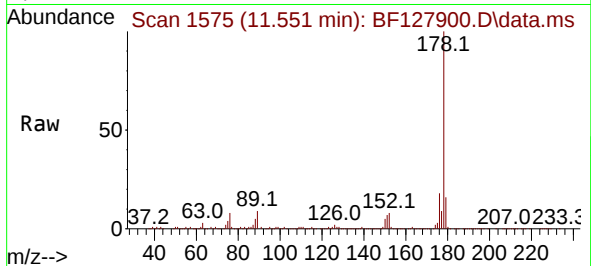




#72
 Anthracene
 Concen: 7.082 ng
 RT: 11.551 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127900.D
 Acq: 26 Apr 2022 00:36

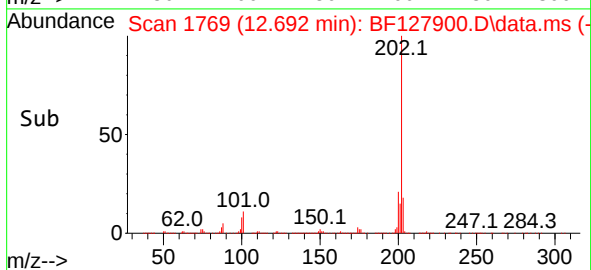
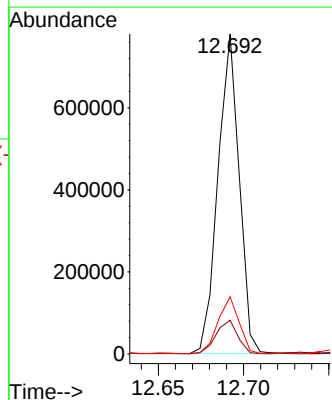
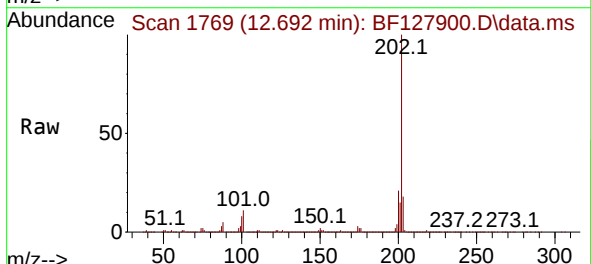
Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-041922DL

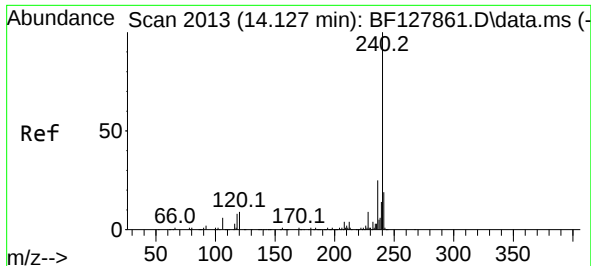
Tgt Ion:178 Resp: 194391
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 15.5 12.4 18.6



#75
 Fluoranthene
 Concen: 23.286 ng
 RT: 12.692 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: BF127900.D
 Acq: 26 Apr 2022 00:36

Tgt Ion:202 Resp: 675308
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.6
 203 17.9 0.0 38.1

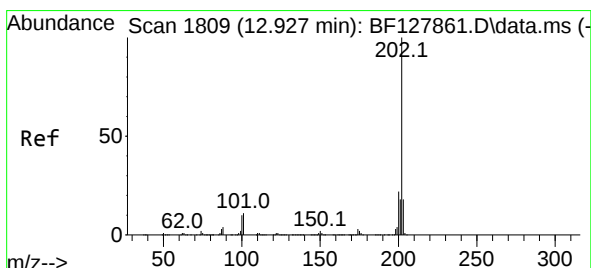
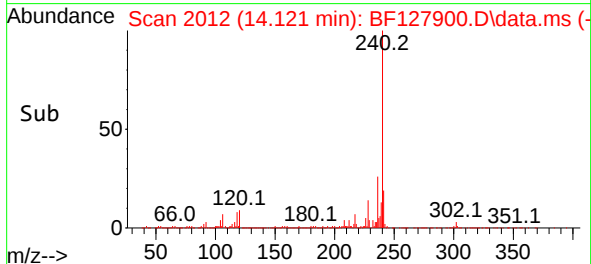
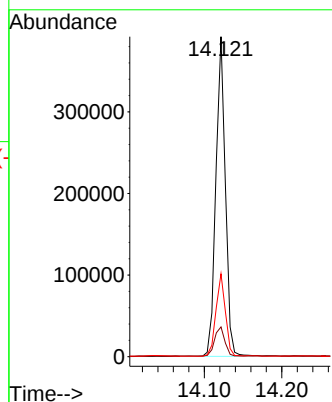
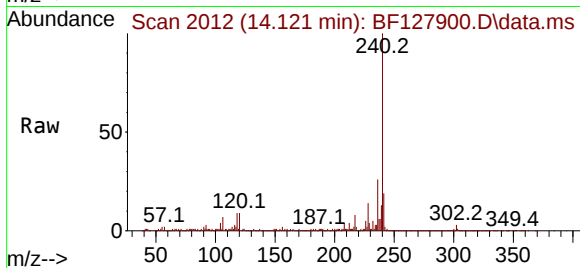




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

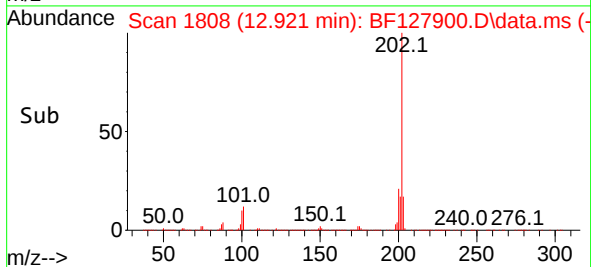
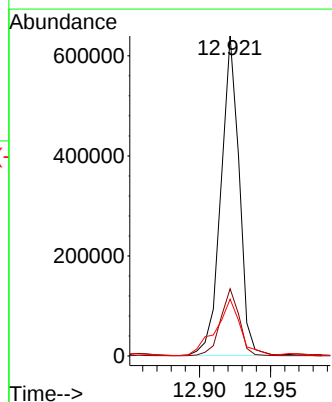
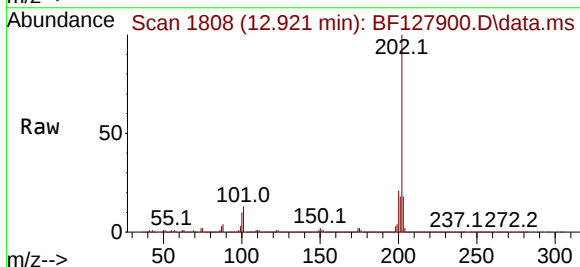
Instrument :
BNA_F
ClientSampleId :
PAT-02-041922DL

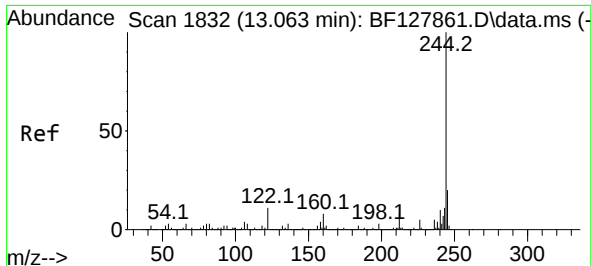
Tgt Ion:240 Resp: 334718
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 25.9 20.3 30.5



#78
Pyrene
Concen: 21.094 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127900.D
Acq: 26 Apr 2022 00:36

Tgt Ion:202 Resp: 569972
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.8 14.0 21.0

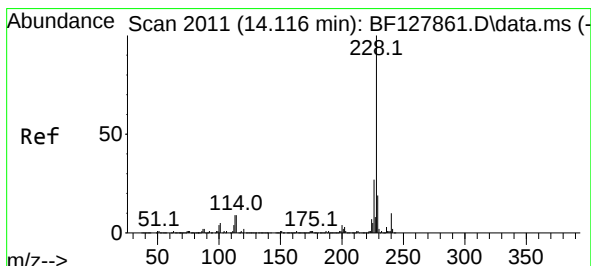
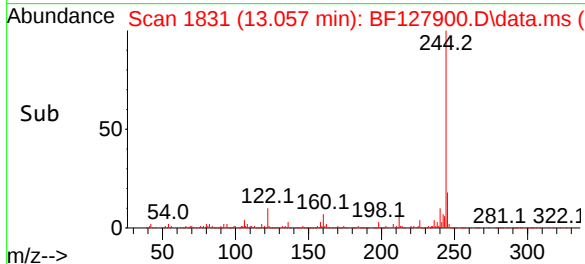
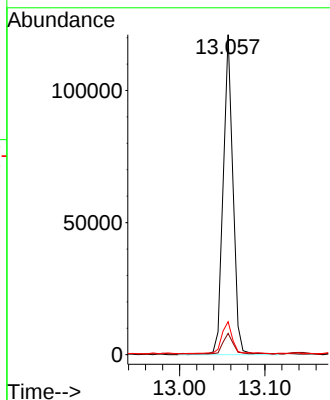
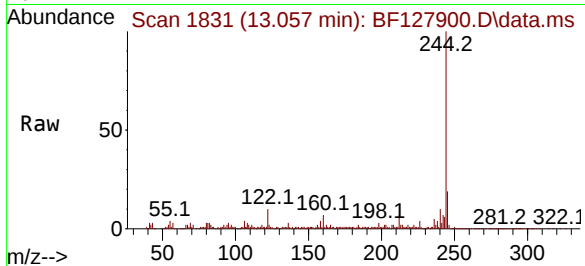




#79
 Terphenyl-d14
 Concen: 5.304 ng
 RT: 13.057 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127900.D
 Acq: 26 Apr 2022 00:36

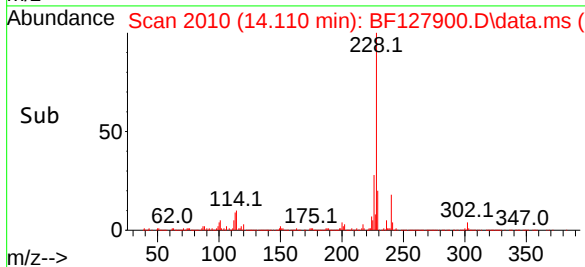
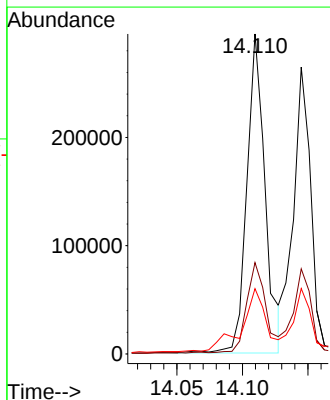
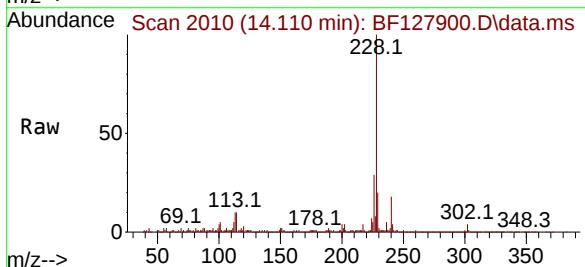
Instrument :
 BNA_F
 ClientSampleId :
 PAT-02-041922DL

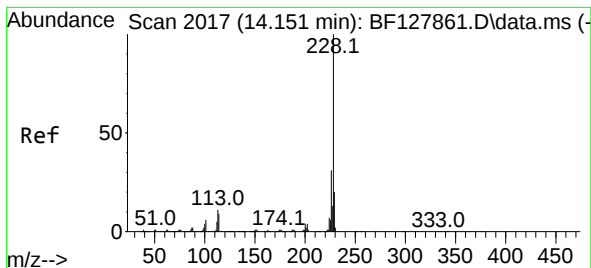
Tgt Ion:244 Resp: 97098
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.4
 122 10.3 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 12.784 ng
 RT: 14.110 min Scan# 2010
 Delta R.T. -0.006 min
 Lab File: BF127900.D
 Acq: 26 Apr 2022 00:36

Tgt Ion:228 Resp: 285212
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.7 32.5
 229 20.4 15.4 23.2





#83

Chrysene

Concen: 11.494 ng

RT: 14.145 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127900.D

Acq: 26 Apr 2022 00:36

Instrument :

BNA_F

ClientSampleId :

PAT-02-041922DL

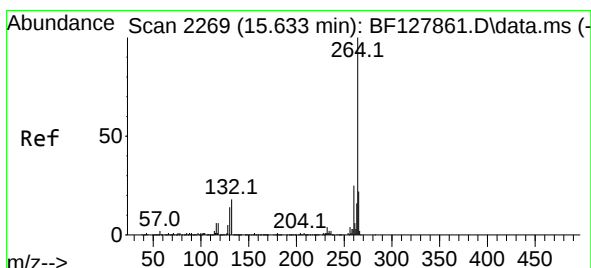
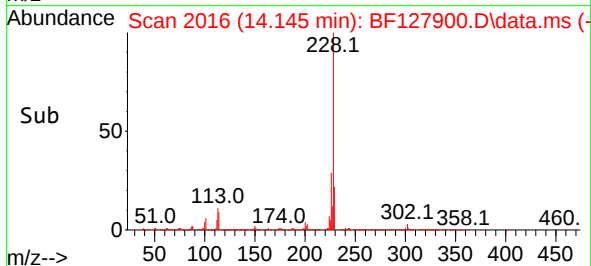
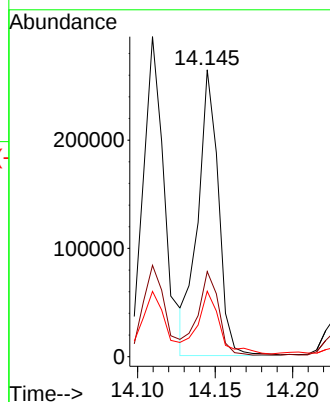
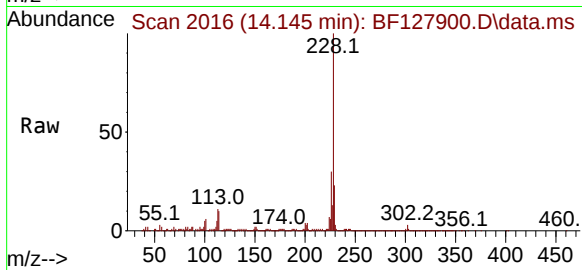
Tgt Ion:228 Resp: 244910

Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

229 22.8 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2270

Delta R.T. 0.006 min

Lab File: BF127900.D

Acq: 26 Apr 2022 00:36

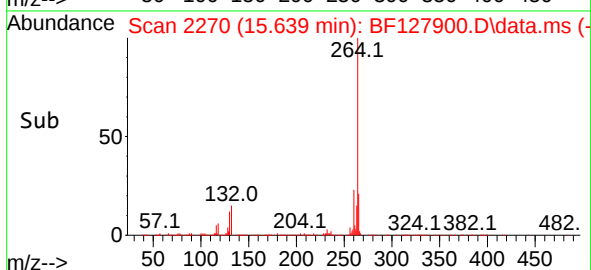
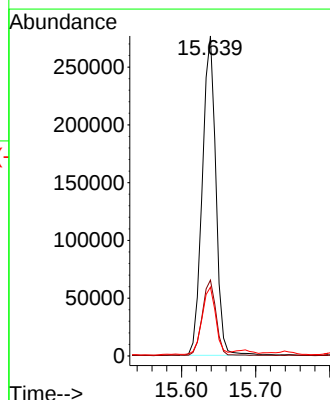
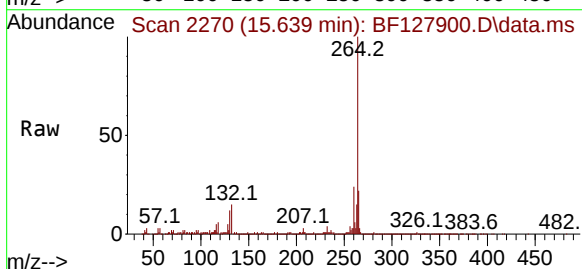
Tgt Ion:264 Resp: 351526

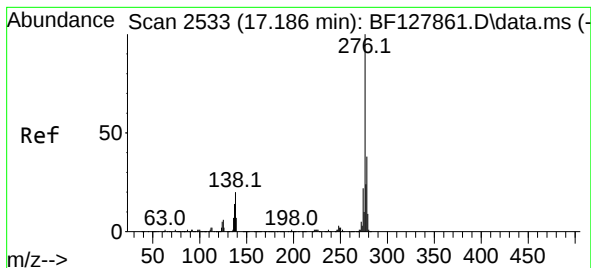
Ion Ratio Lower Upper

264 100

260 23.7 20.1 30.1

265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.866 ng

RT: 17.180 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127900.D

Acq: 26 Apr 2022 00:36

Instrument :

BNA_F

ClientSampleId :

PAT-02-041922DL

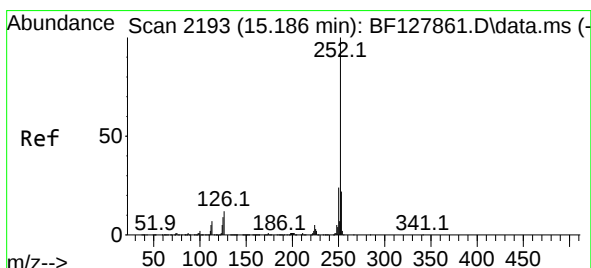
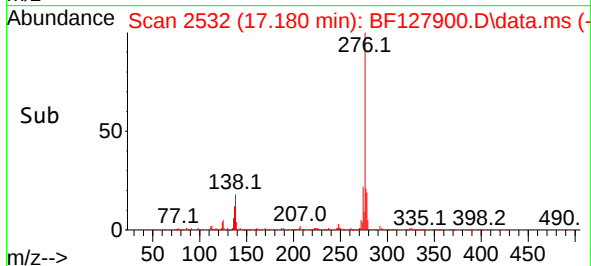
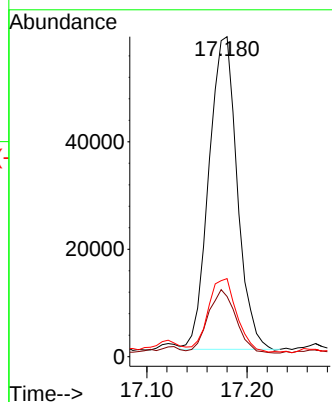
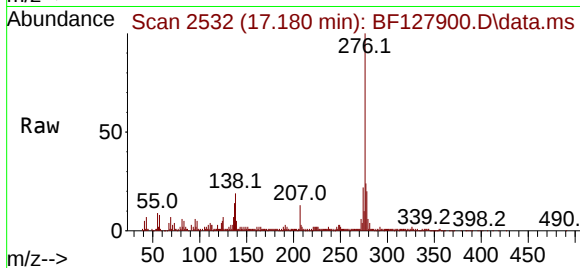
Tgt Ion:276 Resp: 114163

Ion Ratio Lower Upper

276 100

138 20.9 19.0 28.4

277 24.6 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 18.808 ng

RT: 15.186 min Scan# 2193

Delta R.T. -0.000 min

Lab File: BF127900.D

Acq: 26 Apr 2022 00:36

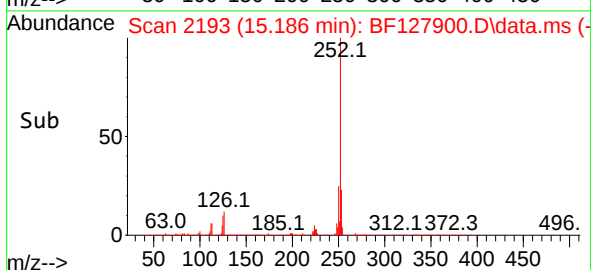
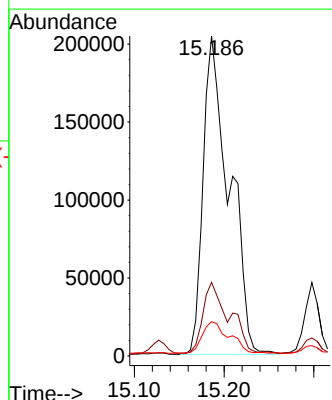
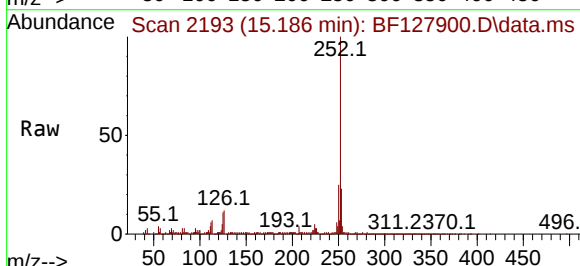
Tgt Ion:252 Resp: 415263

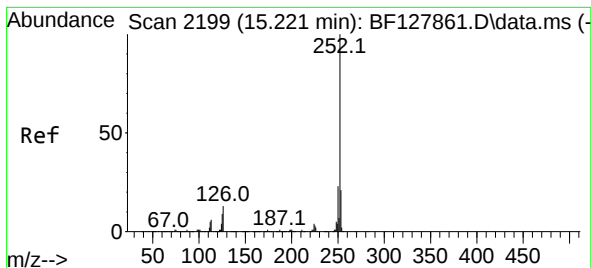
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 10.7 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 18.668 ng

RT: 15.186 min Scan# 2199

Delta R.T. -0.035 min

Lab File: BF127900.D

Acq: 26 Apr 2022 00:36

Instrument :

BNA_F

ClientSampleId :

PAT-02-041922DL

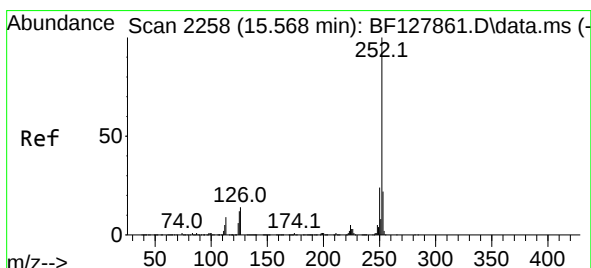
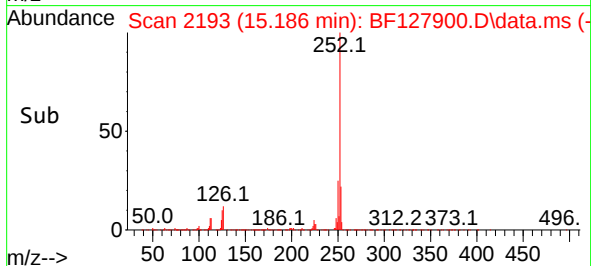
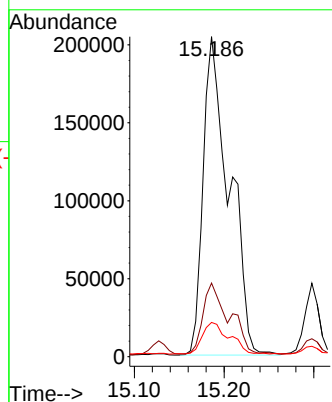
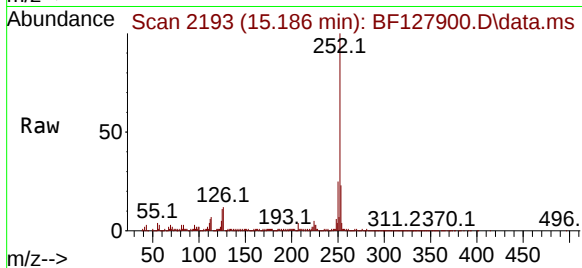
Tgt Ion:252 Resp: 415263

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

125 10.7 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 12.540 ng

RT: 15.568 min Scan# 2258

Delta R.T. -0.000 min

Lab File: BF127900.D

Acq: 26 Apr 2022 00:36

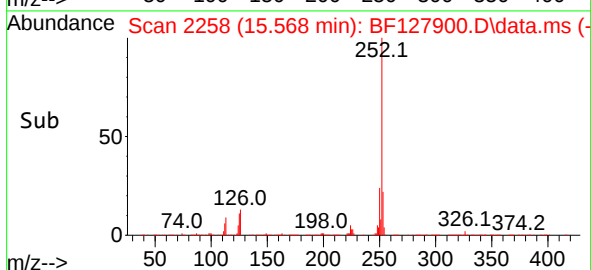
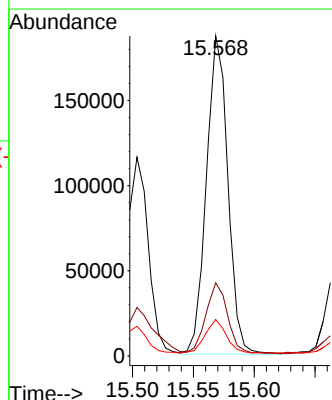
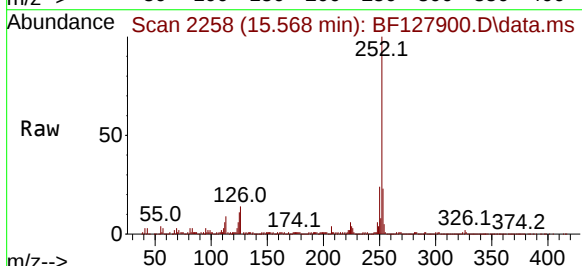
Tgt Ion:252 Resp: 229659

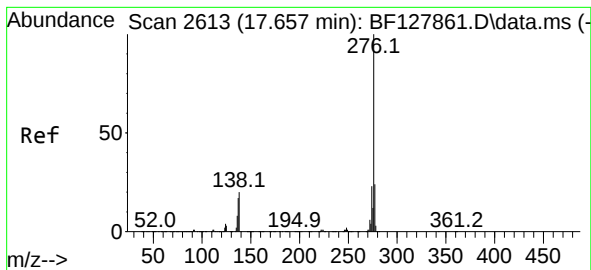
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 11.4 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 5.143 ng

RT: 17.645 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127900.D

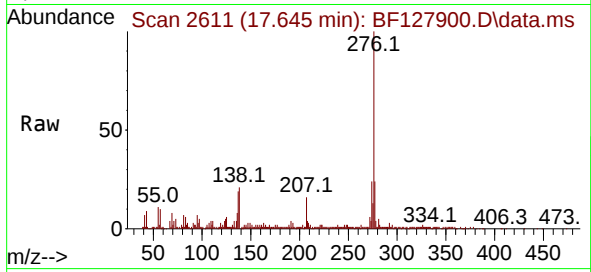
Acq: 26 Apr 2022 00:36

Instrument :

BNA_F

ClientSampleId :

PAT-02-041922DL



Tgt Ion:276 Resp: 101994

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 21.3 16.2 24.2

