

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127107.D
 Acq On : 28 Feb 2022 18:42
 Operator : CG\JU
 Sample : N1664-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 01 01:40:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

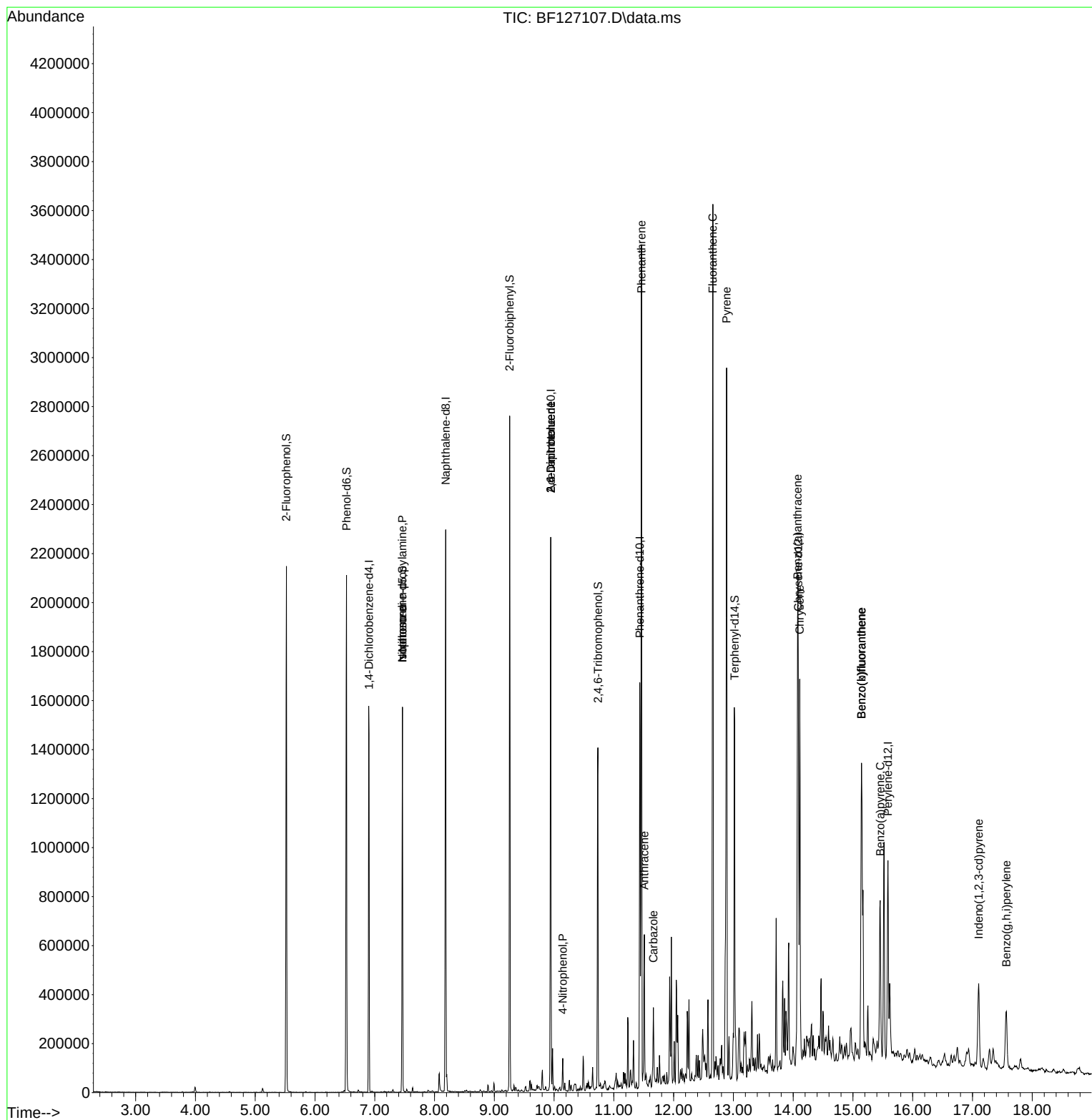
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	221425	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	874091	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	425590	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	615435	20.000	ng	-0.01
76) Chrysene-d12	14.086	240	370892	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	353924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	495006	34.552	ng	0.00
7) Phenol-d6	6.528	99	638634	33.036	ng	-0.01
23) Nitrobenzene-d5	7.463	82	448245	23.147	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	152157	31.052	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	701942	24.281	ng	-0.01
79) Terphenyl-d14	13.021	244	502668	19.923	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.463	70	60684	4.872	ng	# 78
25) Isophorone	7.463	82	446325	13.928	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	56160	9.074	ng	# 22
56) 4-Nitrophenol	10.145	139	15167	2.714	ng	# 8
57) 2,4-Dinitrotoluene	9.945	165	56160	6.711	ng	# 16
71) Phenanthrene	11.463	178	1095595	31.805	ng	99
72) Anthracene	11.510	178	209705	6.115	ng	98
73) Carbazole	11.663	167	101592	3.230	ng	97
75) Fluoranthene	12.657	202	1403576	42.913	ng	95
78) Pyrene	12.886	202	1137594	35.304	ng	99
81) Benzo(a)anthracene	14.074	228	638169	25.523	ng	99
83) Chrysene	14.110	228	527359	22.428	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	223706	9.639	ng	# 82
88) Benzo(b)fluoranthene	15.145	252	908602	38.223	ng	# 94
89) Benzo(k)fluoranthene	15.145	252	908602	39.629	ng	# 94
90) Benzo(a)pyrene	15.457	252	299800	16.147	ng	96
92) Benzo(g,h,i)perylene	17.568	276	190061	10.044	ng	# 86

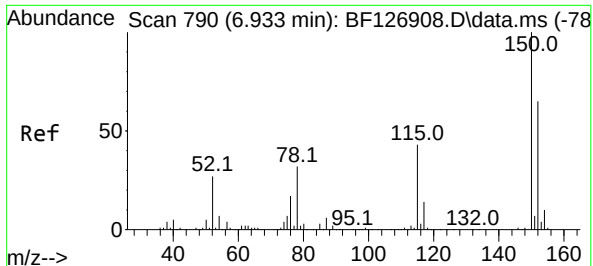
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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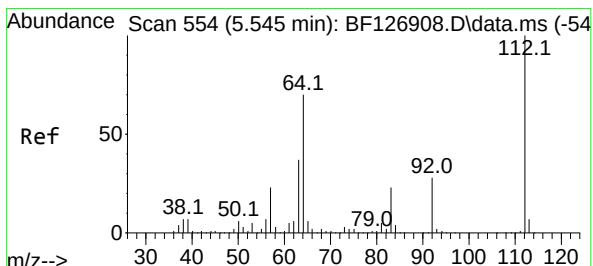
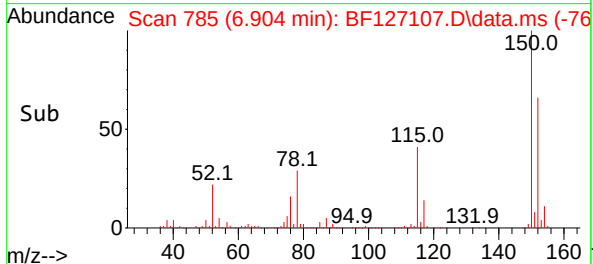
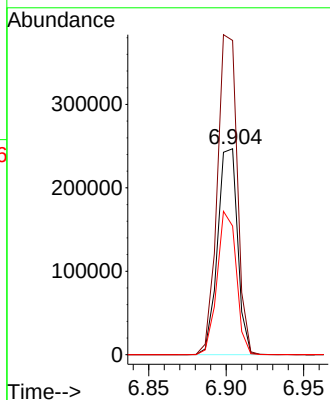
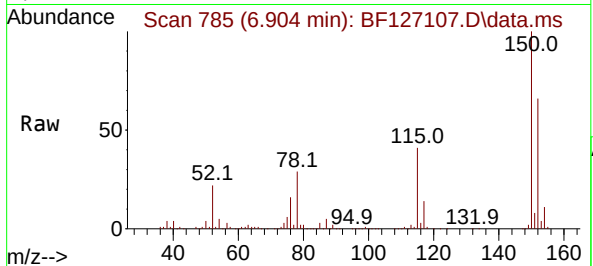




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

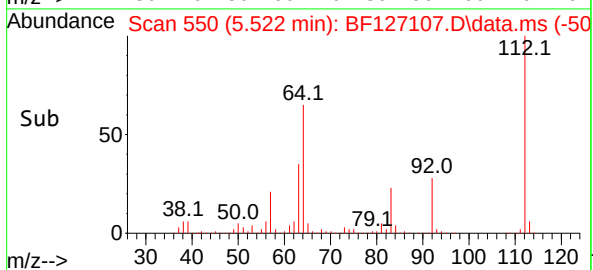
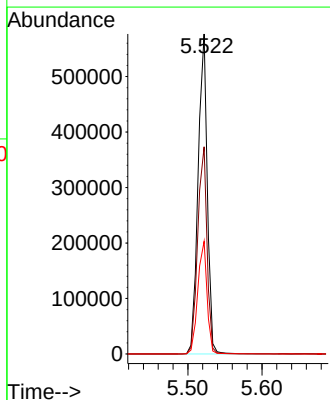
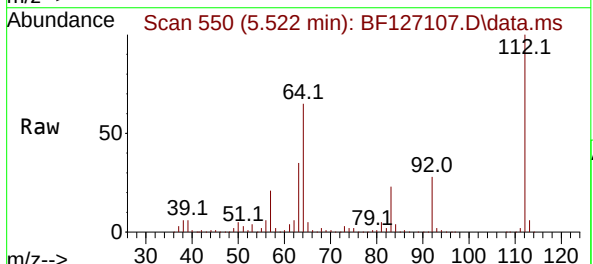
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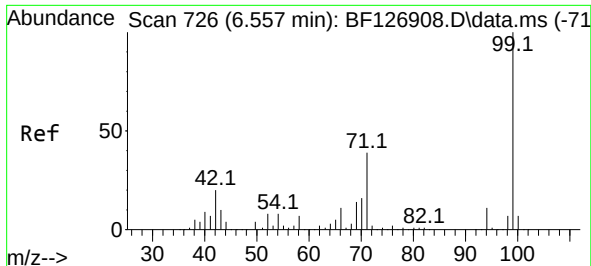
Tgt Ion:152 Resp: 221425
Ion Ratio Lower Upper
152 100
150 152.5 128.1 192.1
115 62.5 56.7 85.1



#5
2-Fluorophenol
Concen: 34.552 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Tgt Ion:112 Resp: 495006
Ion Ratio Lower Upper
112 100
64 64.8 49.5 74.3
63 35.2 23.9 35.9

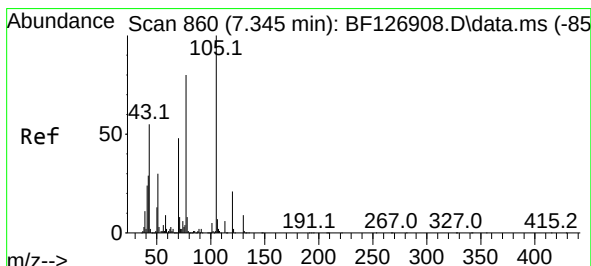
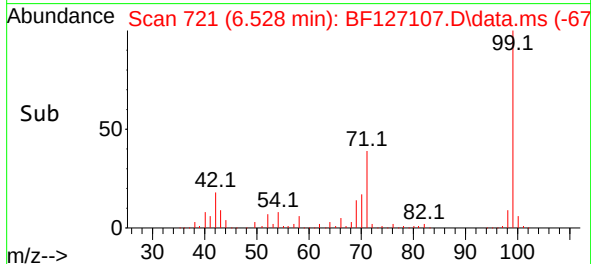
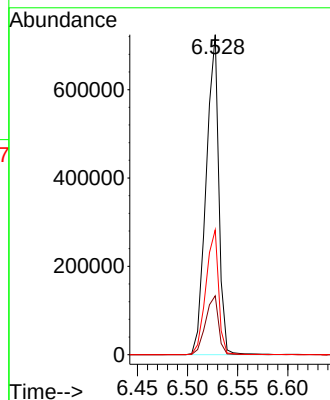
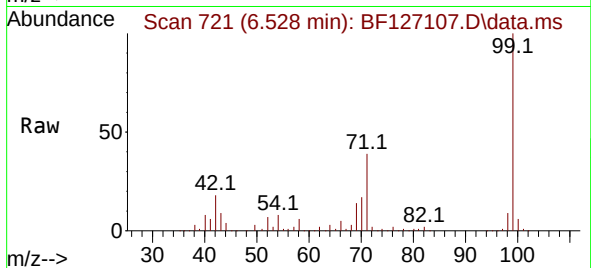




#7
Phenol-d6
Concen: 33.036 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

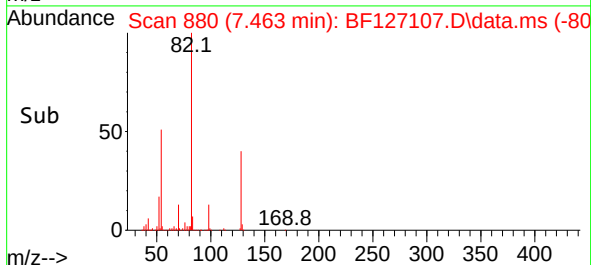
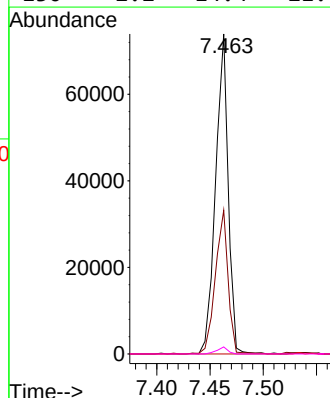
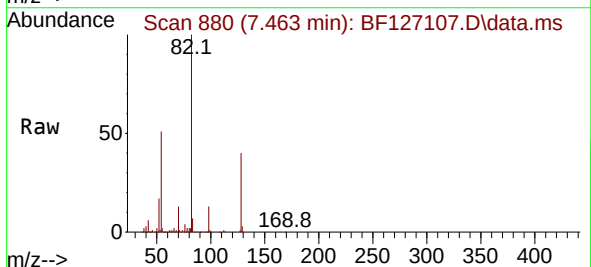
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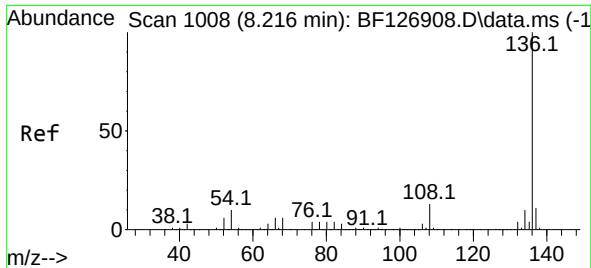
Tgt Ion: 99 Resp: 638634
Ion Ratio Lower Upper
99 100
42 18.4 14.2 21.4
71 39.0 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 4.872 ng
RT: 7.463 min Scan# 880
Delta R.T. 0.141 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Tgt Ion: 70 Resp: 60684
Ion Ratio Lower Upper
70 100
42 44.9 45.8 68.8#
101 0.0 6.9 10.3#
130 2.2 14.4 21.6#

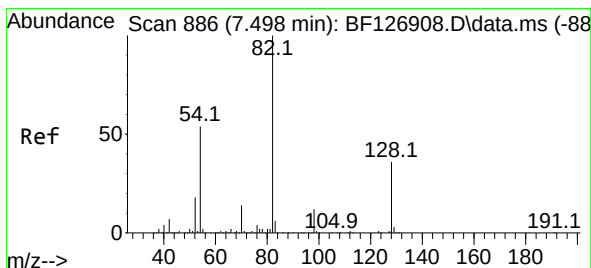
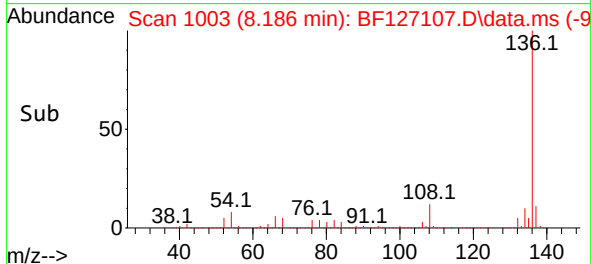
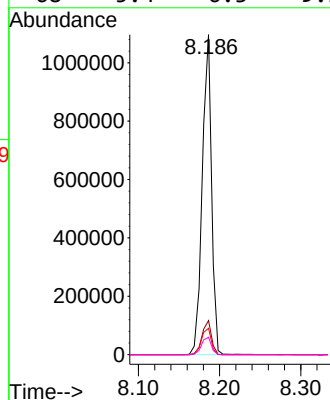
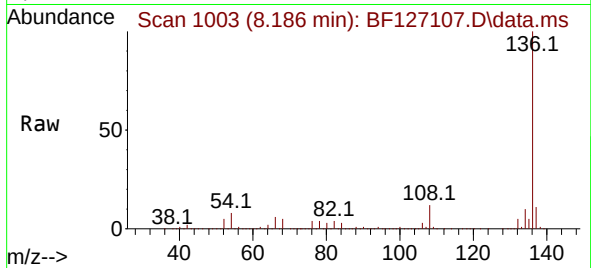




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

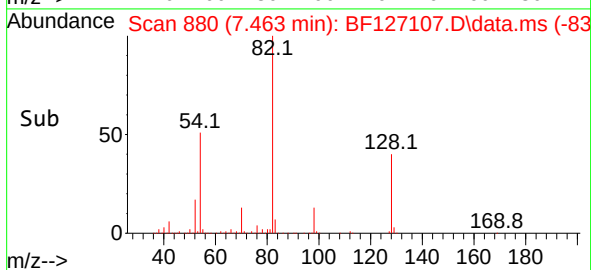
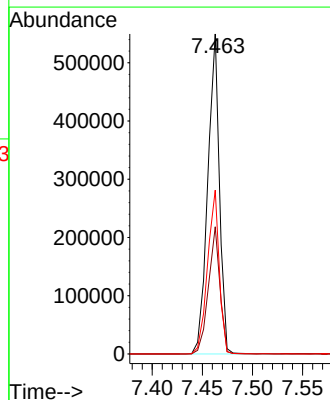
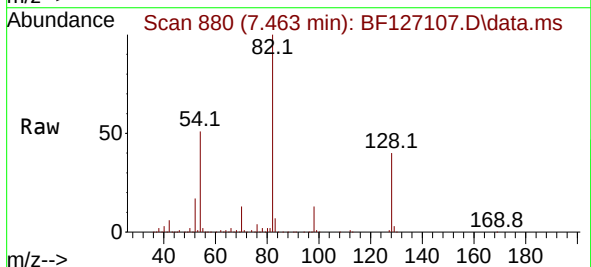
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ClientSampleId :
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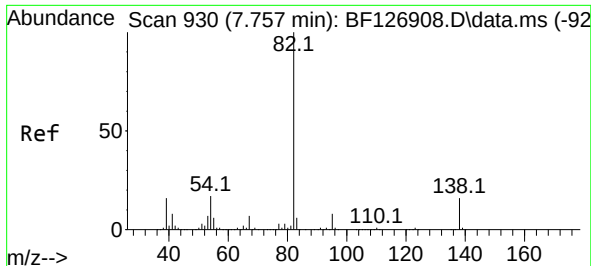
Tgt Ion:136 Resp: 874091
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 7.8 11.6
68 5.4 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 23.147 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Tgt Ion: 82 Resp: 448245
Ion Ratio Lower Upper
82 100
128 39.8 32.7 49.1
54 51.2 41.7 62.5

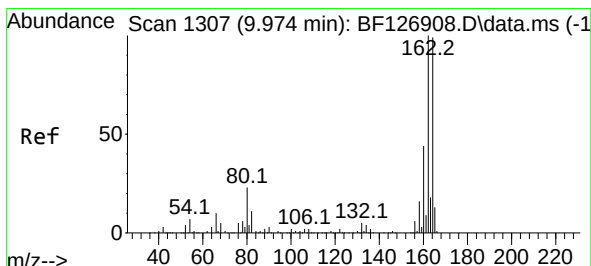
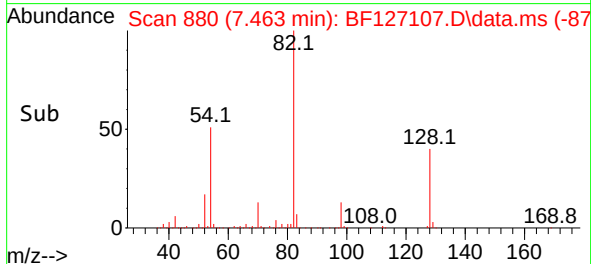
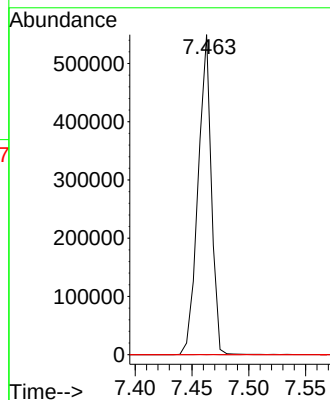
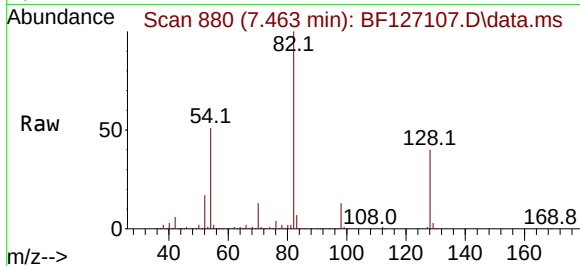




#25
Isophorone
Concen: 13.928 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

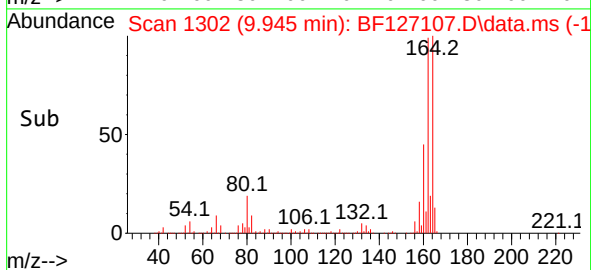
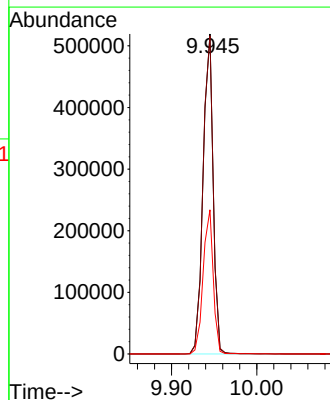
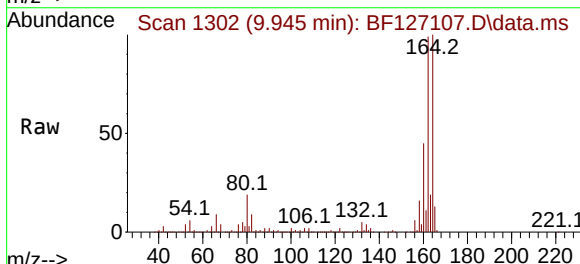
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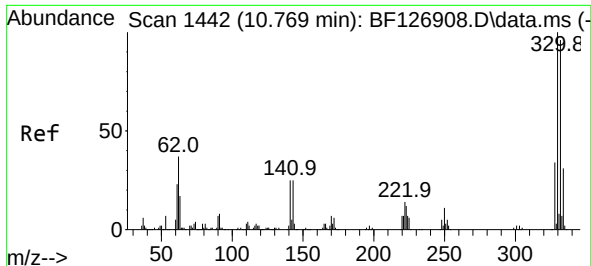
Tgt Ion: 82 Resp: 446325
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Tgt Ion:164 Resp: 425590
Ion Ratio Lower Upper
164 100
162 99.4 81.4 122.0
160 45.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 31.052 ng

RT: 10.733 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

Instrument :

BNA_F

ClientSampleId :

TP-3

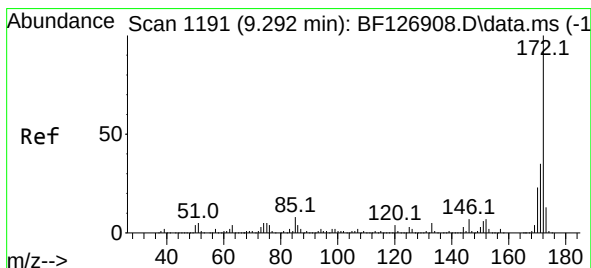
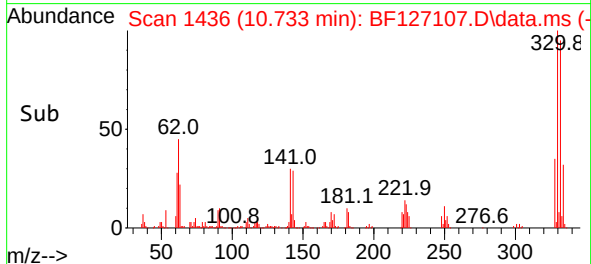
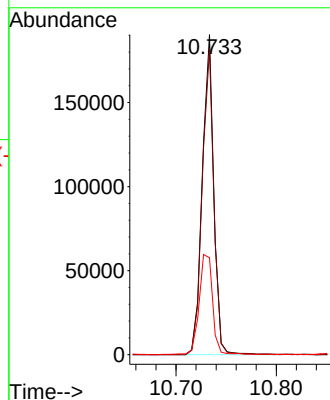
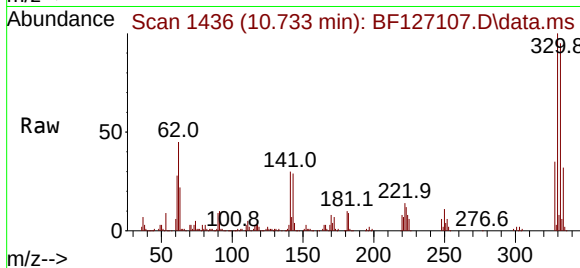
Tgt Ion:330 Resp: 152157

Ion Ratio Lower Upper

330 100

332 96.3 76.0 114.0

141 36.8 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 24.281 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

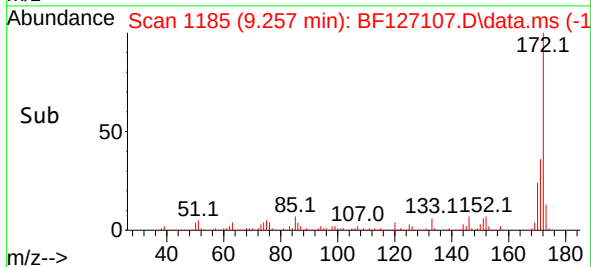
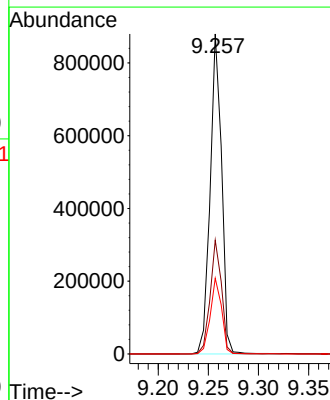
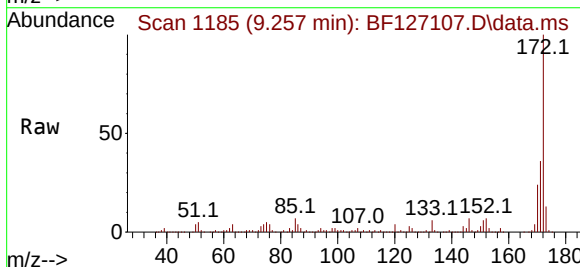
Tgt Ion:172 Resp: 701942

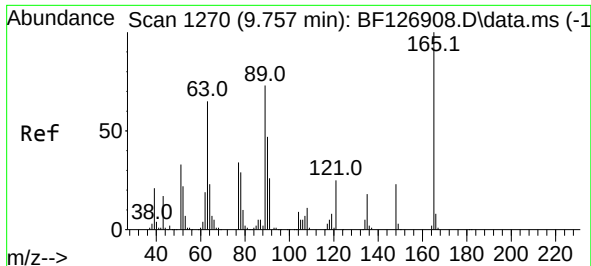
Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.6 19.0 28.6

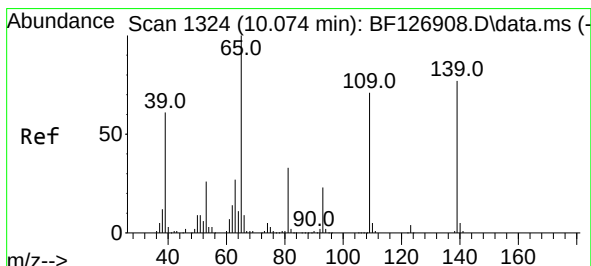
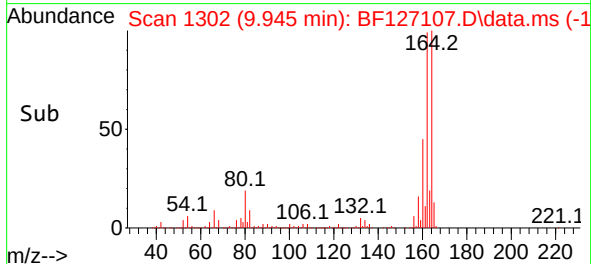
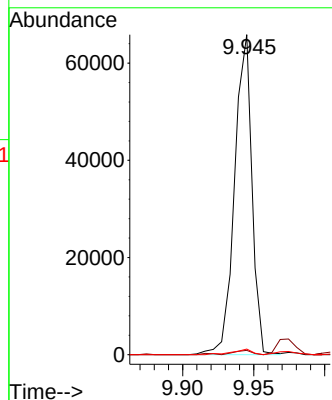
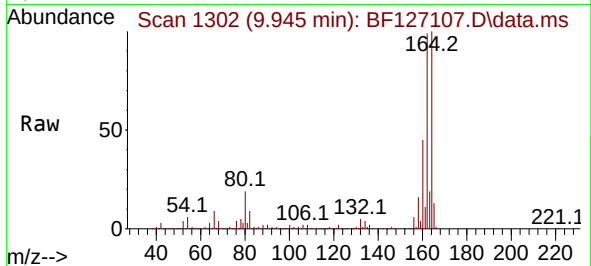




#51
2,6-Dinitrotoluene
Concen: 9.074 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

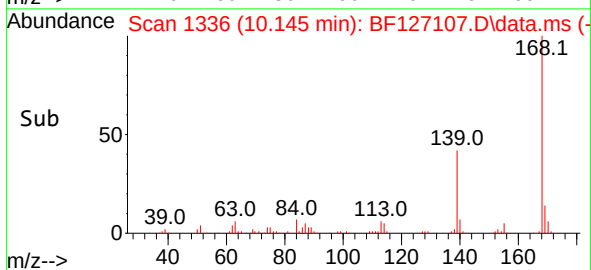
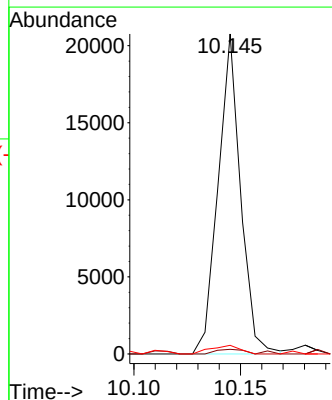
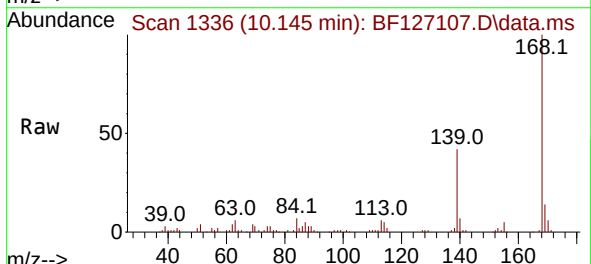
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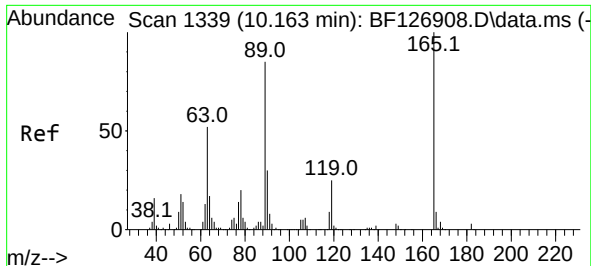
Tgt Ion:165 Resp: 56160
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.8 50.5 75.7#



#56
4-Nitrophenol
Concen: 2.714 ng
RT: 10.145 min Scan# 1336
Delta R.T. 0.082 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Tgt Ion:139 Resp: 15167
Ion Ratio Lower Upper
139 100
109 1.4 44.1 84.1#
65 2.7 85.5 125.5#

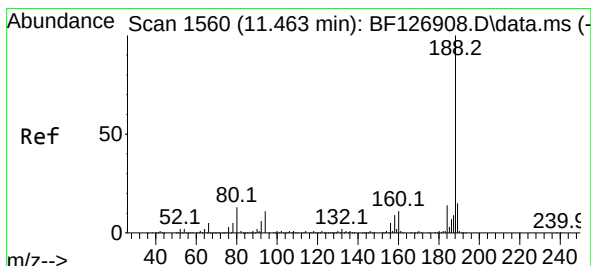
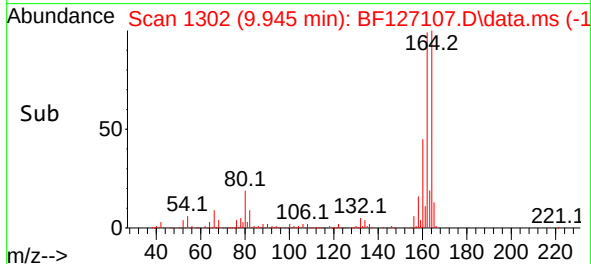
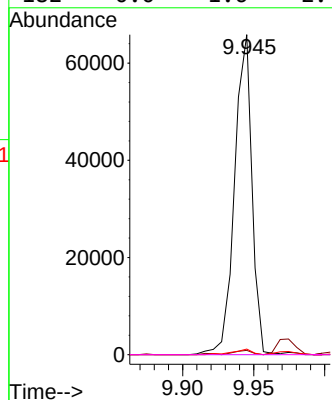
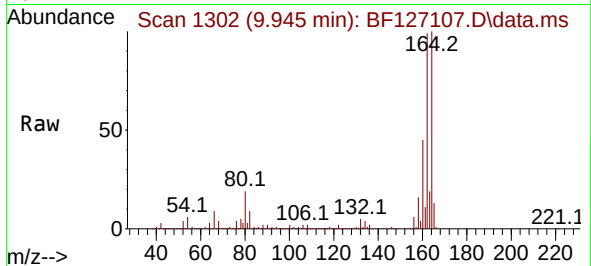




#57
2,4-Dinitrotoluene
Concen: 6.711 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

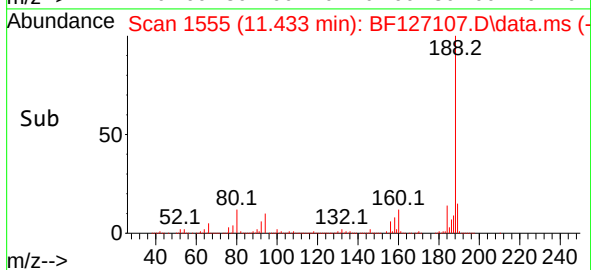
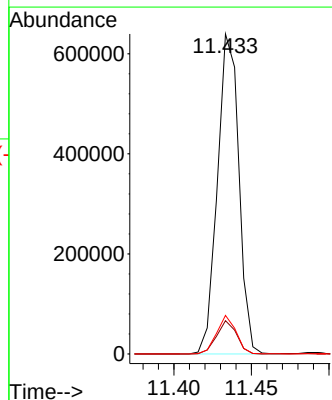
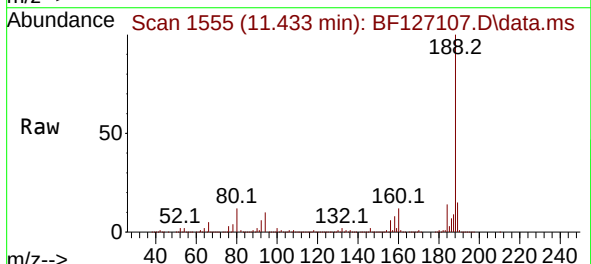
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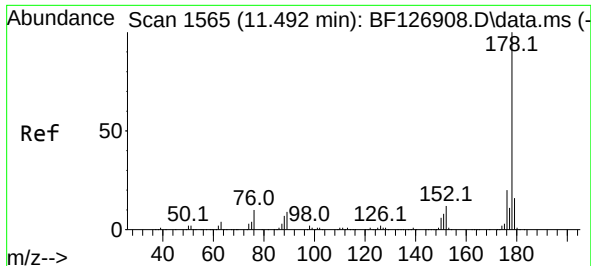
Tgt Ion:165 Resp: 56160
Ion Ratio Lower Upper
165 100
63 1.4 43.0 64.6#
89 1.8 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Tgt Ion:188 Resp: 615435
Ion Ratio Lower Upper
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94 10.4 10.1 15.1
80 12.0 11.8 17.6

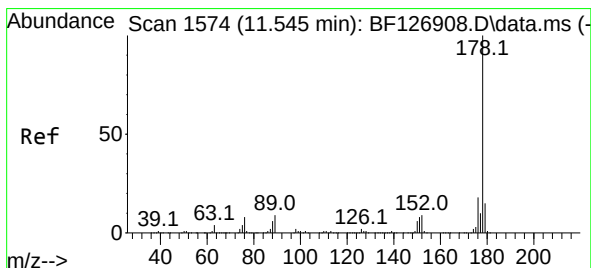
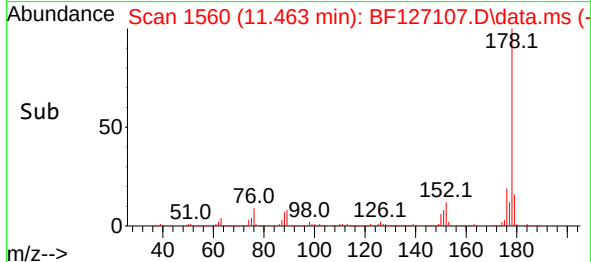
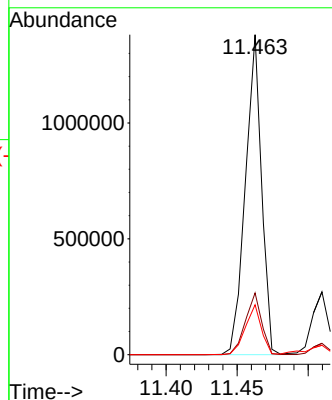
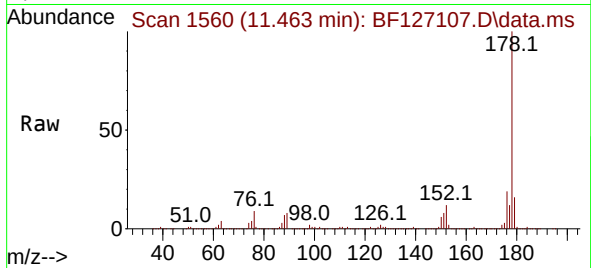




#71
Phenanthrene
Concen: 31.805 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

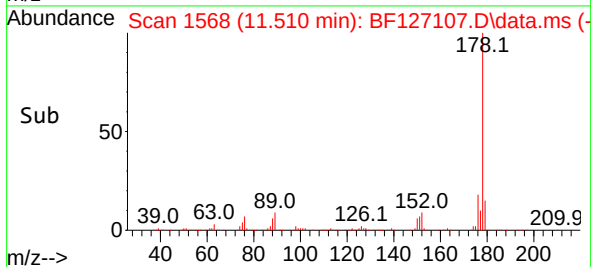
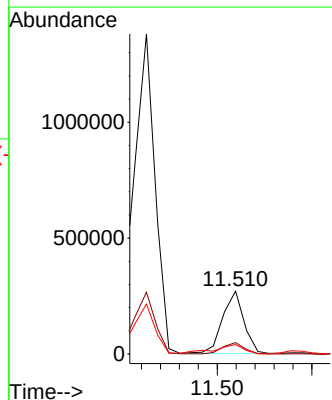
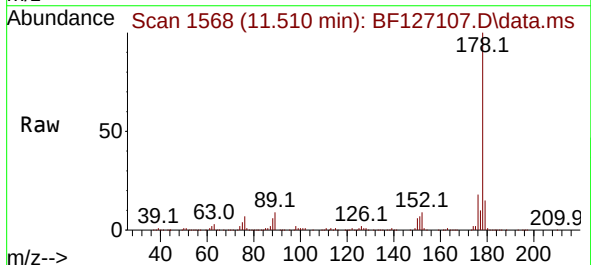
Instrument :
BNA_F
ClientSampleId :
TP-3

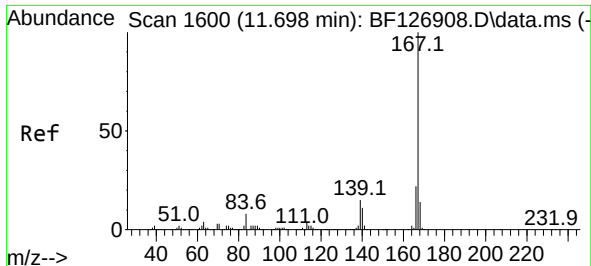
Tgt Ion:178 Resp: 1095595
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.6 12.3 18.5



#72
Anthracene
Concen: 6.115 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Tgt Ion:178 Resp: 209705
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 15.0 12.5 18.7

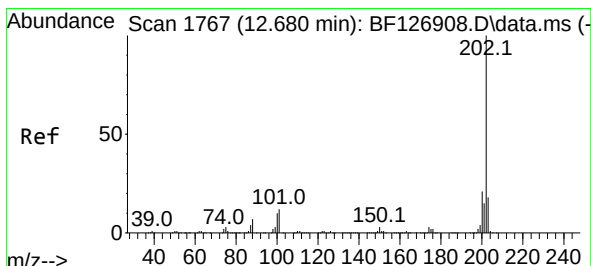
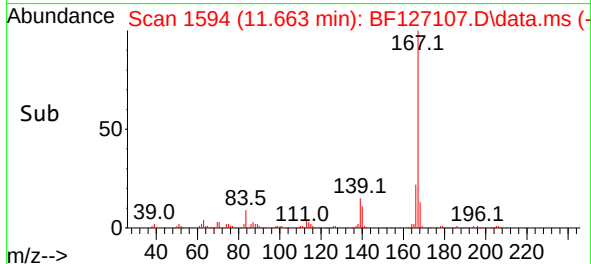
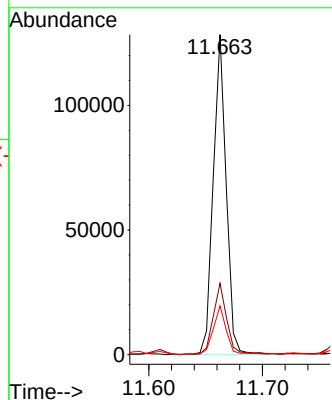
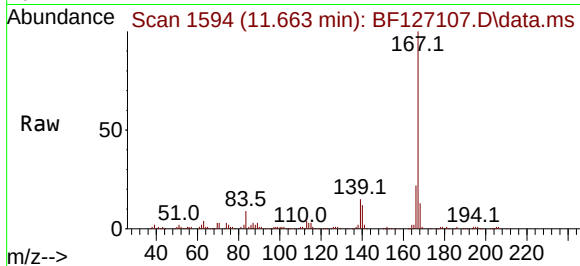




#73
 Carbazole
 Concen: 3.230 ng
 RT: 11.663 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF127107.D
 Acq: 28 Feb 2022 18:42

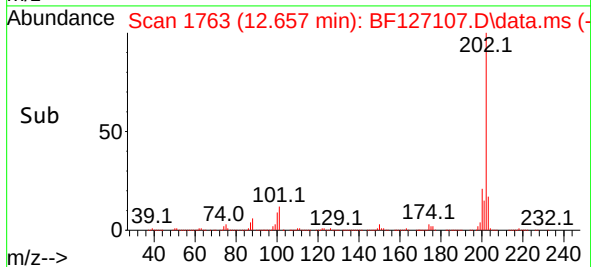
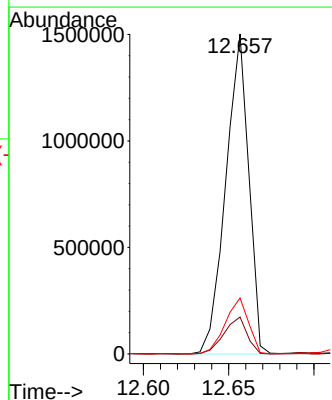
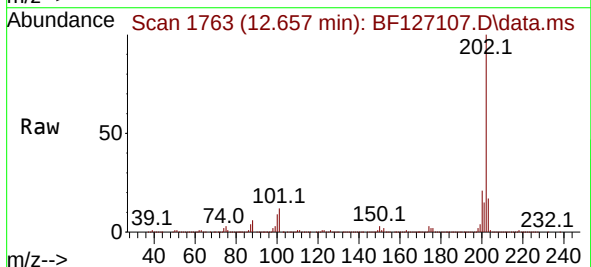
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

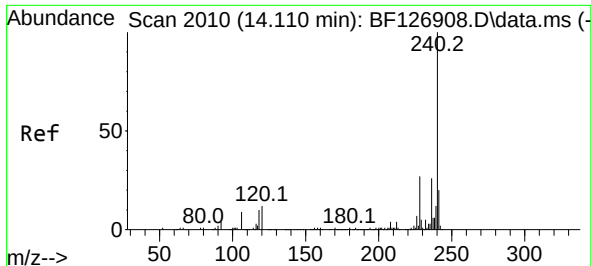
Tgt Ion:167 Resp: 101592
 Ion Ratio Lower Upper
 167 100
 166 22.3 16.9 25.3
 139 15.3 11.3 16.9



#75
 Fluoranthene
 Concen: 42.913 ng
 RT: 12.657 min Scan# 1763
 Delta R.T. -0.000 min
 Lab File: BF127107.D
 Acq: 28 Feb 2022 18:42

Tgt Ion:202 Resp: 1403576
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 35.7
 203 17.5 0.0 37.1

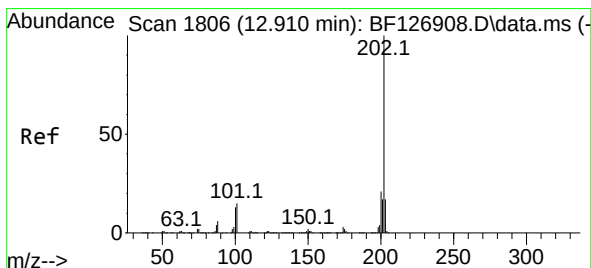
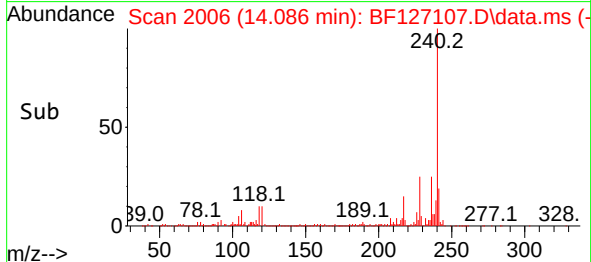
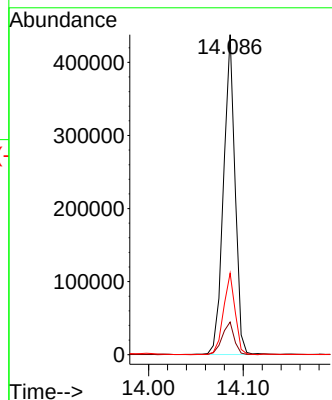
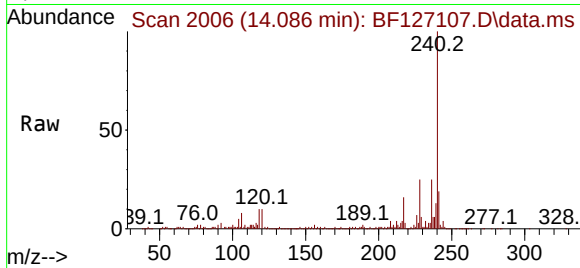




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

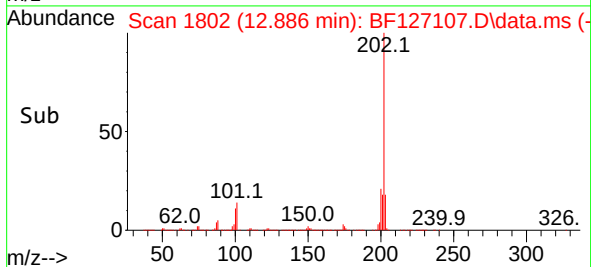
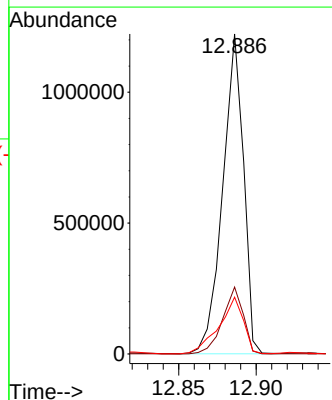
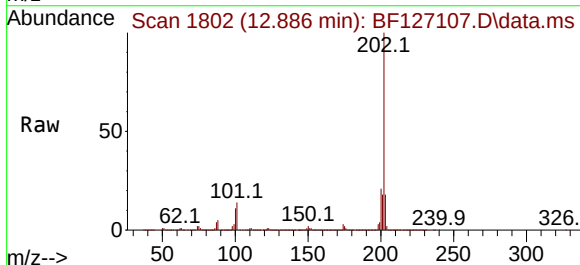
Instrument :
BNA_F
ClientSampleId :
TP-3

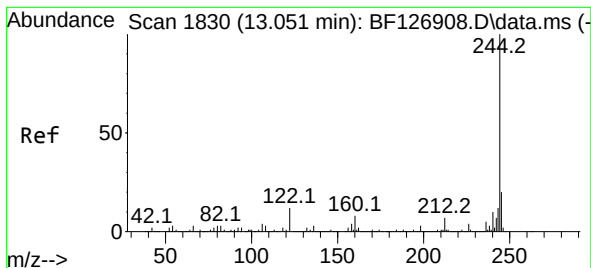
Tgt Ion:240 Resp: 370892
Ion Ratio Lower Upper
240 100
120 10.2 14.4 21.6#
236 25.4 20.5 30.7



#78
Pyrene
Concen: 35.304 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF127107.D
Acq: 28 Feb 2022 18:42

Tgt Ion:202 Resp: 1137594
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.8 13.8 20.8





#79

Terphenyl-d14

Concen: 19.923 ng

RT: 13.021 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

Instrument :

BNA_F

ClientSampleId :

TP-3

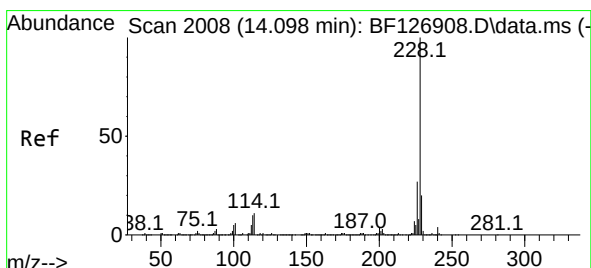
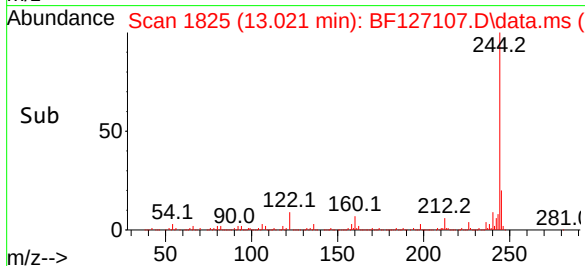
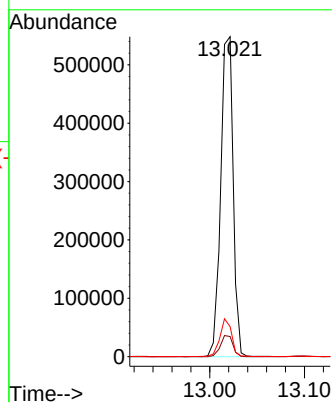
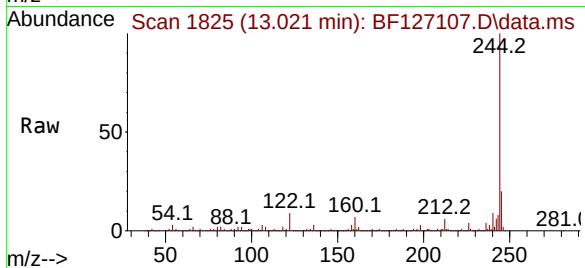
Tgt Ion:244 Resp: 502668

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 9.4 13.3 19.9#



#81

Benzo(a)anthracene

Concen: 25.523 ng

RT: 14.074 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

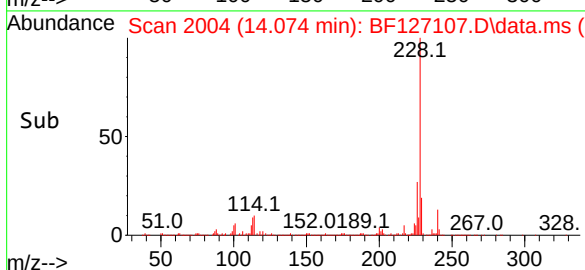
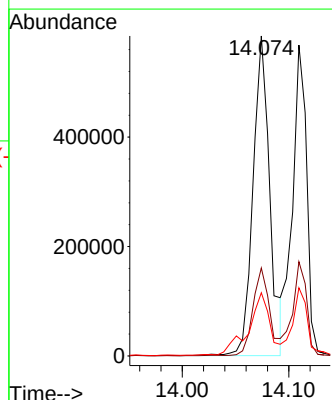
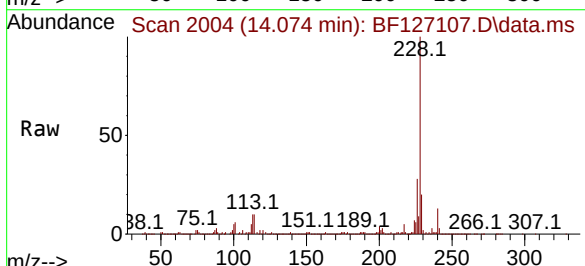
Tgt Ion:228 Resp: 638169

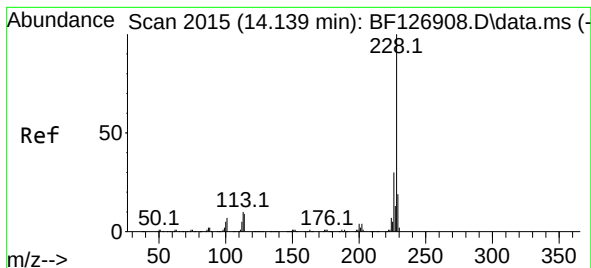
Ion Ratio Lower Upper

228 100

226 27.5 21.4 32.0

229 19.8 15.4 23.2





#83

Chrysene

Concen: 22.428 ng

RT: 14.110 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

Instrument :

BNA_F

ClientSampleId :

TP-3

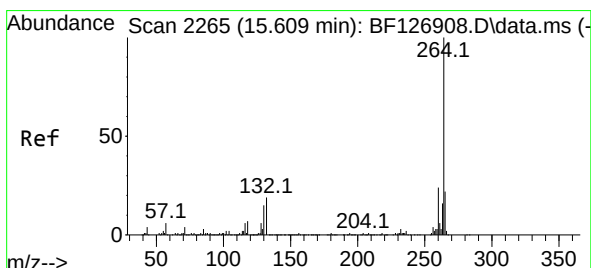
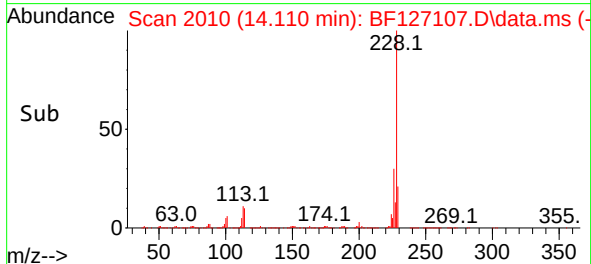
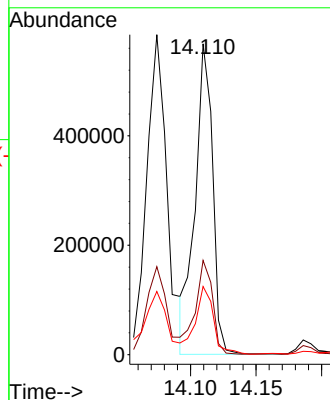
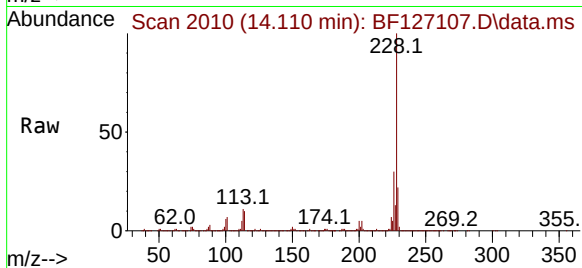
Tgt Ion:228 Resp: 527359

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

229 21.9 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 2261

Delta R.T. -0.000 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

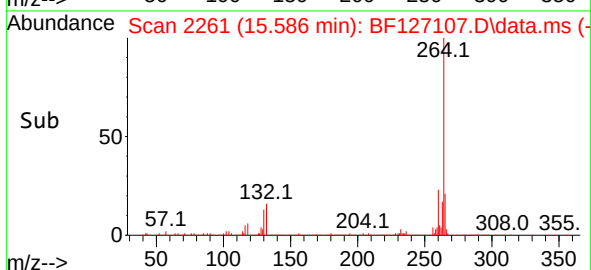
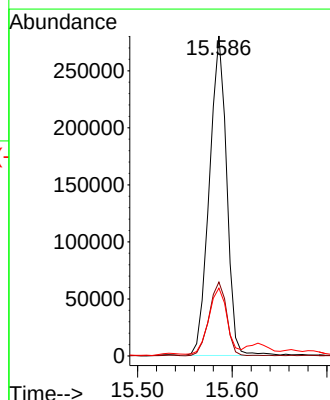
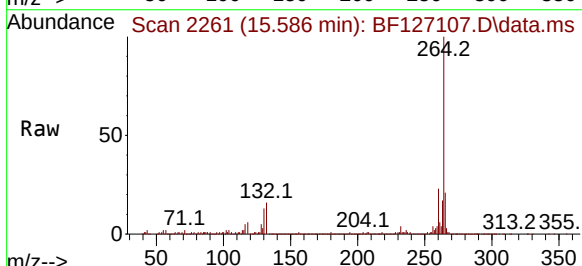
Tgt Ion:264 Resp: 353924

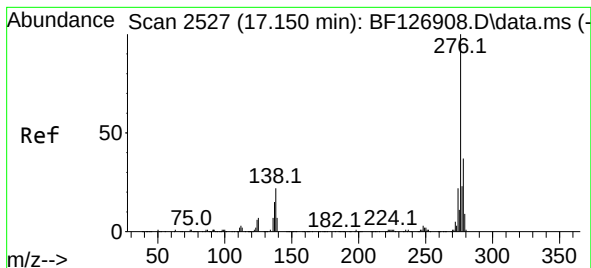
Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.639 ng

RT: 17.103 min Scan# 2186

Delta R.T. -0.012 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

Instrument :

BNA_F

ClientSampleId :

TP-3

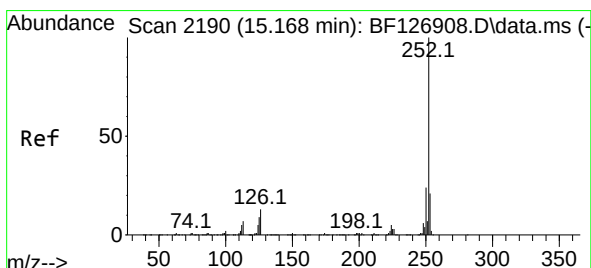
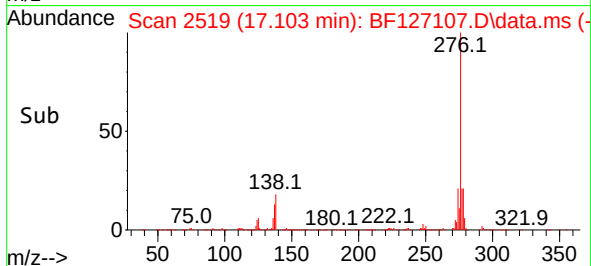
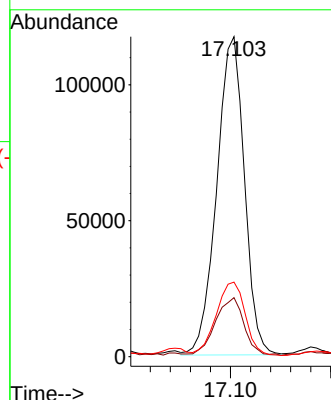
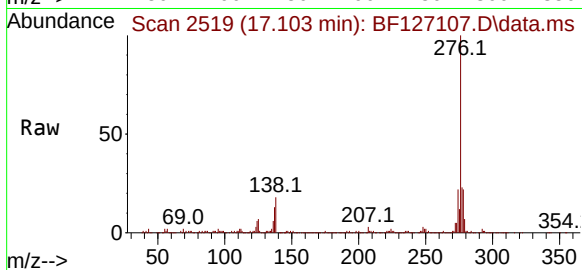
Tgt Ion:276 Resp: 223706

Ion Ratio Lower Upper

276 100

138 19.0 29.2 43.8#

277 24.1 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 38.223 ng

RT: 15.145 min Scan# 2186

Delta R.T. -0.000 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

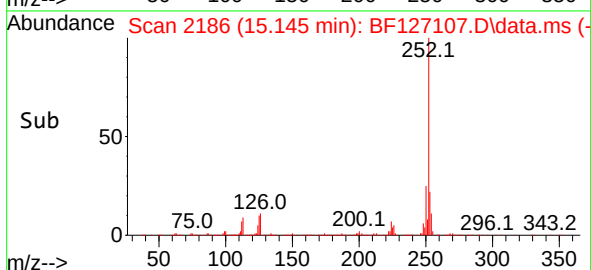
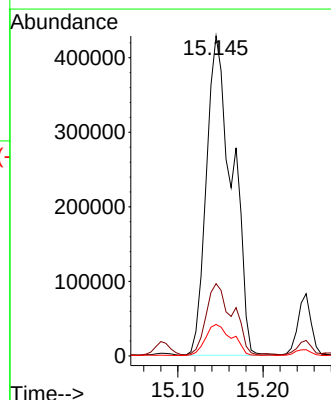
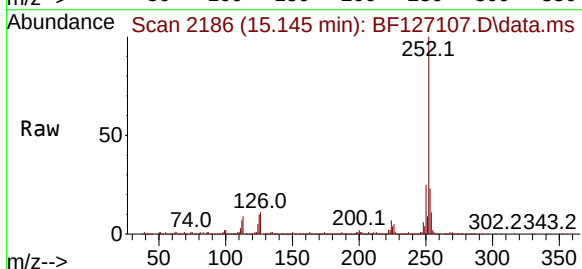
Tgt Ion:252 Resp: 908602

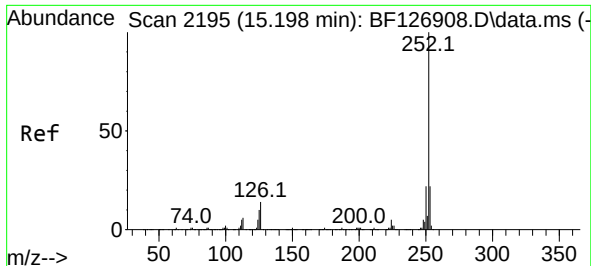
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 9.8 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 39.629 ng

RT: 15.145 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

Instrument :

BNA_F

ClientSampleId :

TP-3

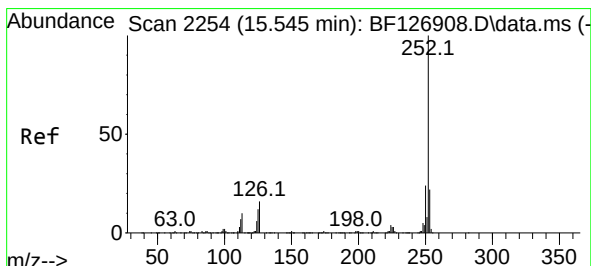
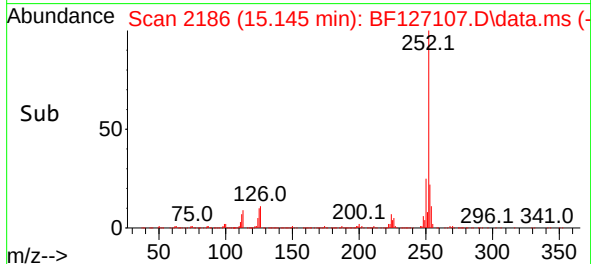
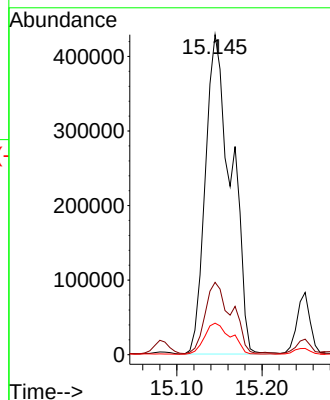
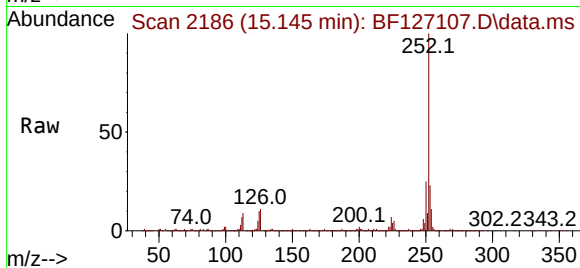
Tgt Ion:252 Resp: 908602

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 9.8 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 16.147 ng

RT: 15.457 min Scan# 2239

Delta R.T. -0.065 min

Lab File: BF127107.D

Acq: 28 Feb 2022 18:42

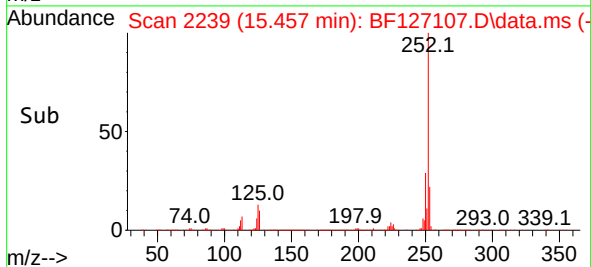
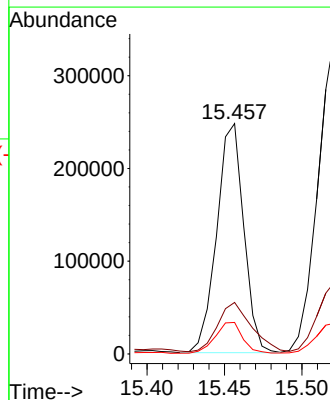
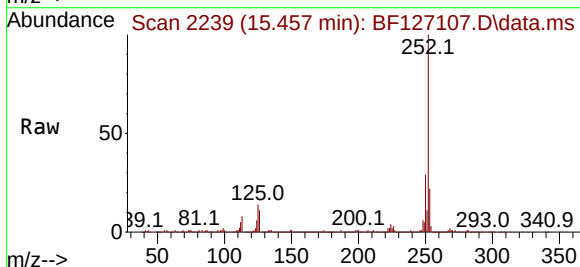
Tgt Ion:252 Resp: 299800

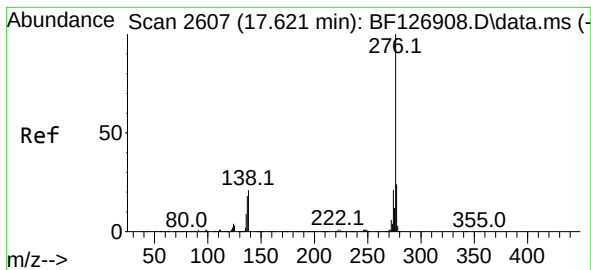
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 13.7 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 10.044 ng

RT: 17.568 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127107.D

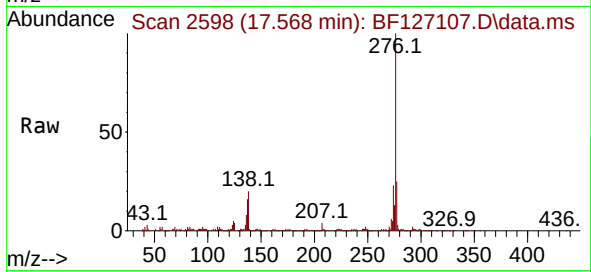
Acq: 28 Feb 2022 18:42

Instrument :

BNA_F

ClientSampleId :

TP-3



Tgt Ion:276 Resp: 190061

Ion Ratio Lower Upper

276 100

277 24.8 18.5 27.7

138 20.0 25.9 38.9#

