

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022222\
 Data File : BF127021.D
 Acq On : 22 Feb 2022 21:15
 Operator : CG\JU
 Sample : N1610-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021822

Quant Time: Feb 22 23:59:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 21 13:16:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

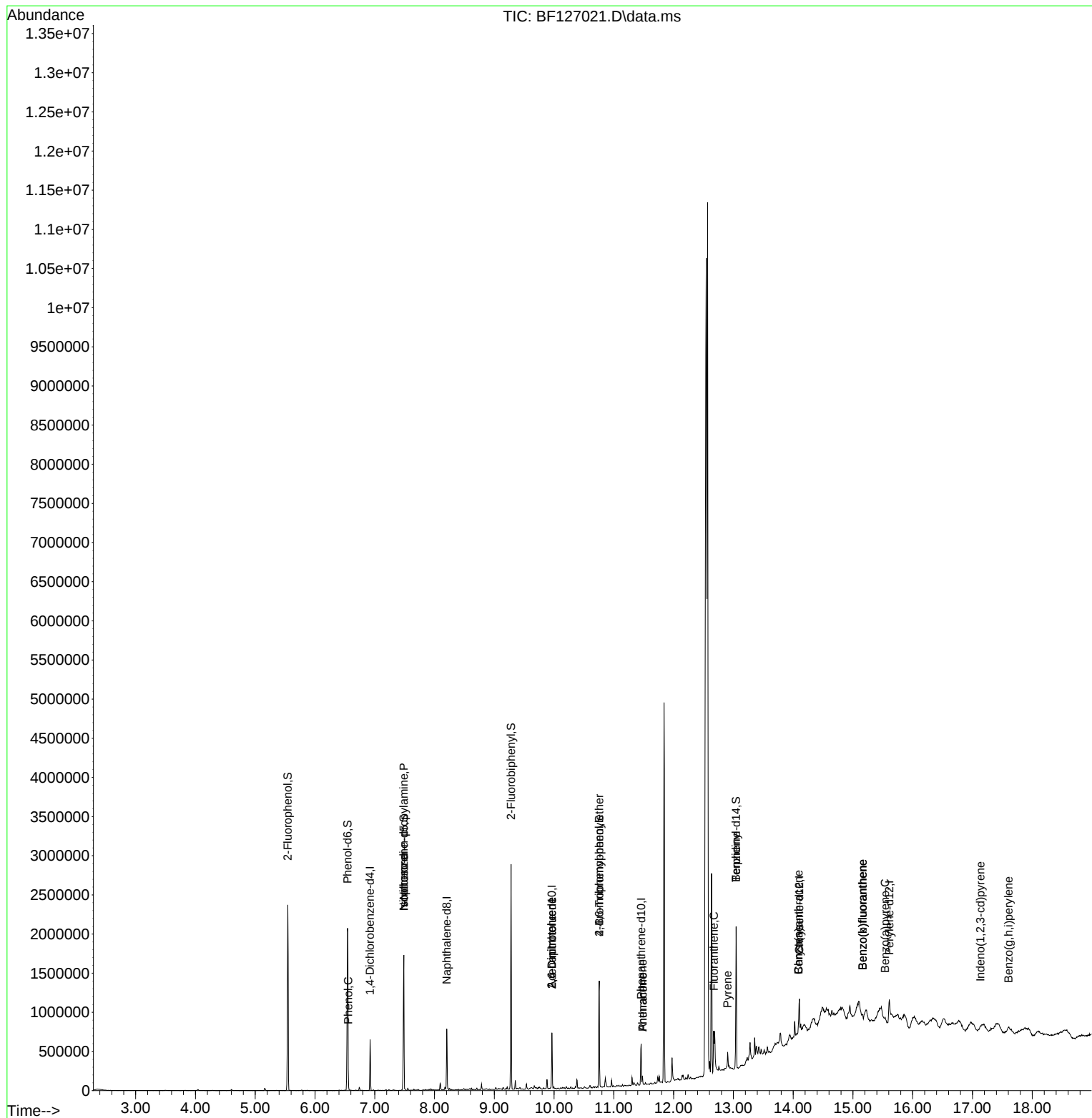
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	76845	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	290936	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	121576	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	174838	20.000	ng	# 0.00
76) Chrysene-d12	14.104	240	124375	20.000	ng	# 0.00
86) Perylene-d12	15.609	264	102604	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	555548	111.737	ng	0.00
7) Phenol-d6	6.545	99	730519	108.888	ng	0.00
23) Nitrobenzene-d5	7.486	82	507328	78.709	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	146426	104.606	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	720686	87.267	ng	0.00
79) Terphenyl-d14	13.045	244	535310	63.270	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.557	94	14524	2.143	ng	# 67
19) n-Nitroso-di-n-propyla...	7.486	70	71443	16.526	ng	# 80
25) Isophorone	7.486	82	505803	47.423	ng	# 69
51) 2,6-Dinitrotoluene	9.963	165	16620	9.400	ng	# 22
57) 2,4-Dinitrotoluene	9.963	165	16620	6.952	ng	# 16
67) 4-Bromophenyl-phenylether	10.757	248	8981	4.597	ng	# 1
71) Phenanthrene	11.480	178	36442	3.724	ng	96
72) Anthracene	11.480	178	36442	3.741	ng	97
75) Fluoranthene	12.674	202	67725	7.289	ng	95
77) Benzidine	13.045	184	10271	3.039	ng	97
78) Pyrene	12.904	202	64644	5.982	ng	97
81) Benzo(a)anthracene	14.092	228	38223	4.559	ng	98
83) Chrysene	14.092	228	38223	4.848	ng	95
87) Indeno(1,2,3-cd)pyrene	17.133	276	15957	2.372	ng	# 84
88) Benzo(b)fluoranthene	15.162	252	51162	7.424	ng	# 60
89) Benzo(k)fluoranthene	15.162	252	51162	7.697	ng	# 58
90) Benzo(a)pyrene	15.539	252	26438	4.912	ng	# 51
92) Benzo(g,h,i)perylene	17.603	276	15579	2.840	ng	# 90

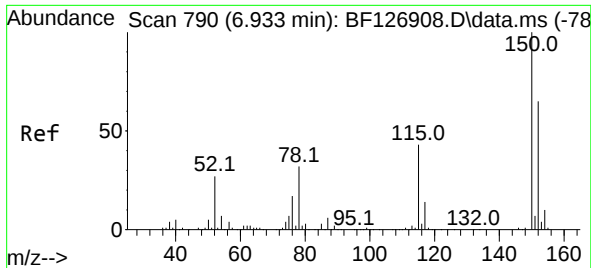
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF127021.D
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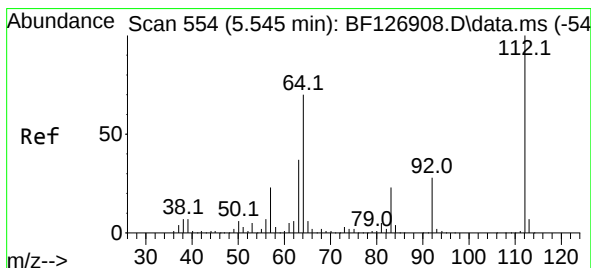
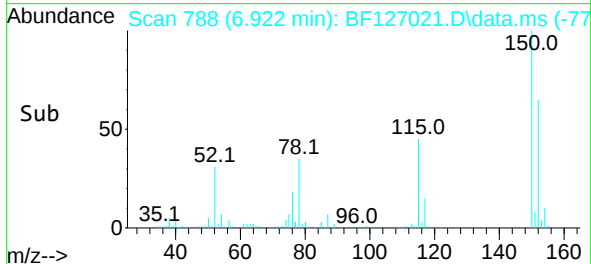
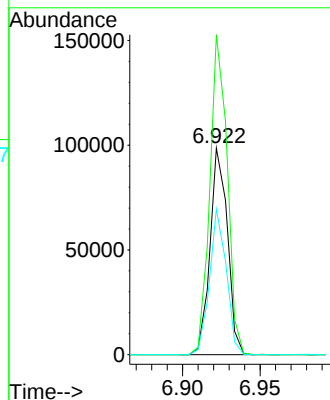
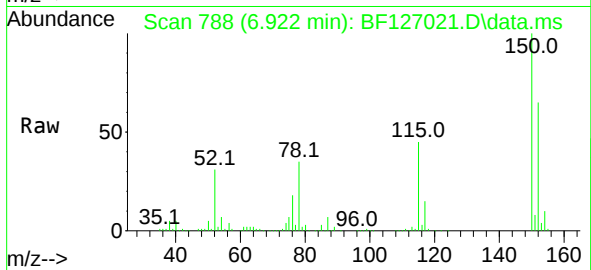




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

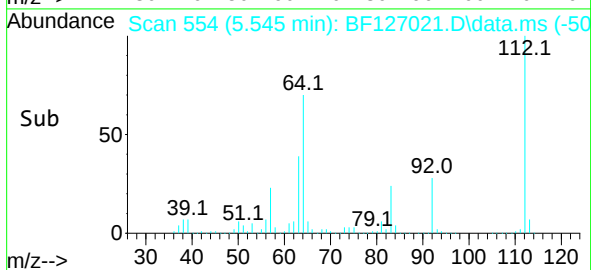
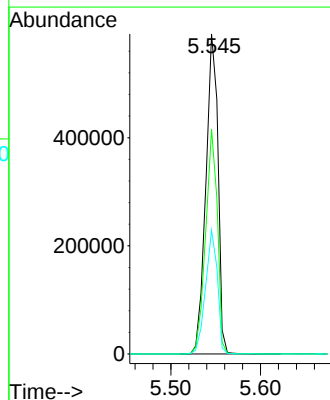
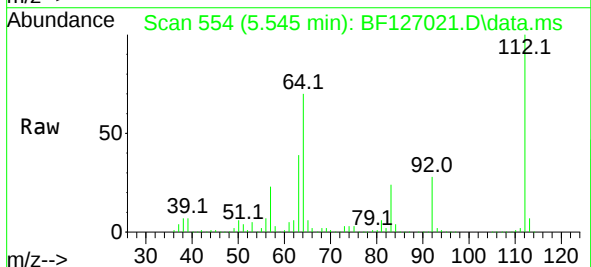
Instrument :
BNA_F
ClientSampleId :
TR-05-021822

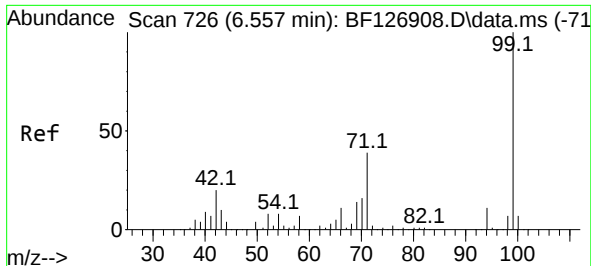
Tgt Ion:152 Resp: 76845
Ion Ratio Lower Upper
152 100
150 154.9 128.1 192.1
115 70.4 56.7 85.1



#5
2-Fluorophenol
Concen: 111.737 ng
RT: 5.545 min Scan# 554
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:112 Resp: 555548
Ion Ratio Lower Upper
112 100
64 70.2 49.5 74.3
63 38.7 23.9 35.9#





#7

Phenol-d6

Concen: 108.888 ng

RT: 6.545 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

TR-05-021822

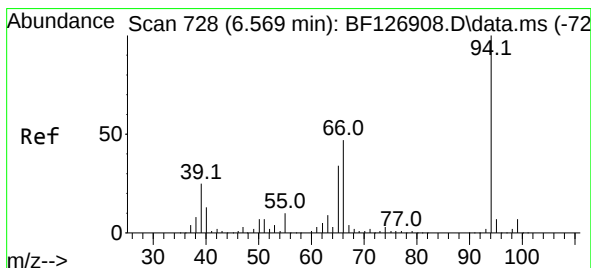
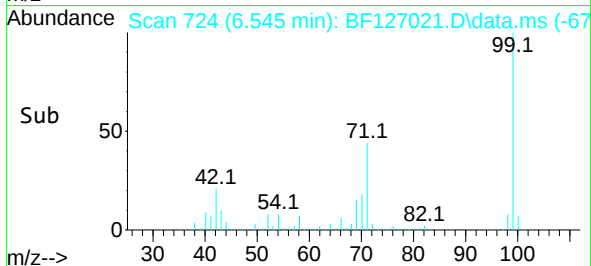
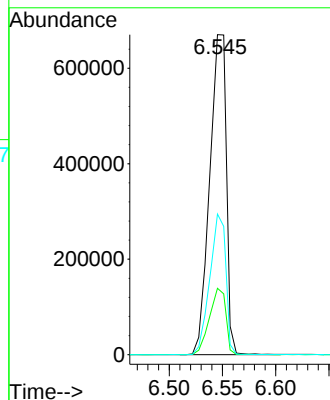
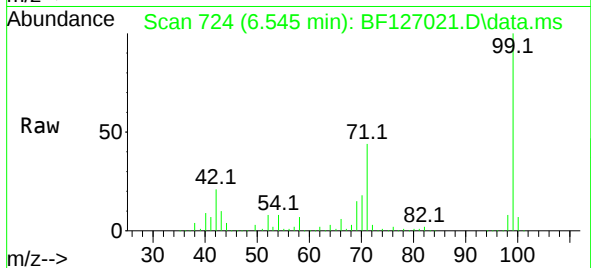
Tgt Ion: 99 Resp: 730519

Ion Ratio Lower Upper

99 100

42 20.7 14.2 21.4

71 43.9 24.3 36.5#



#10

Phenol

Concen: 2.143 ng

RT: 6.557 min Scan# 726

Delta R.T. -0.006 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

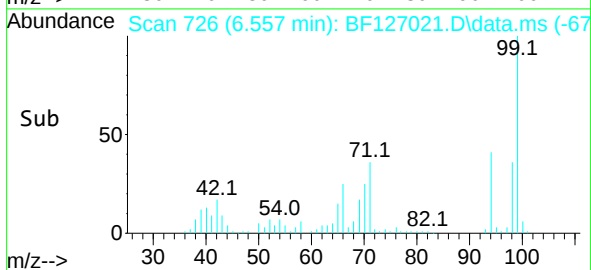
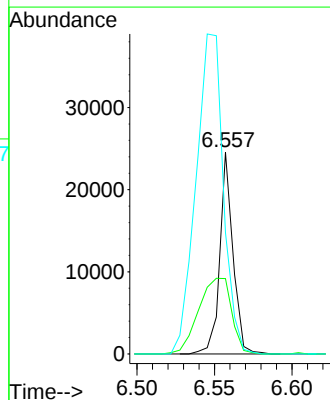
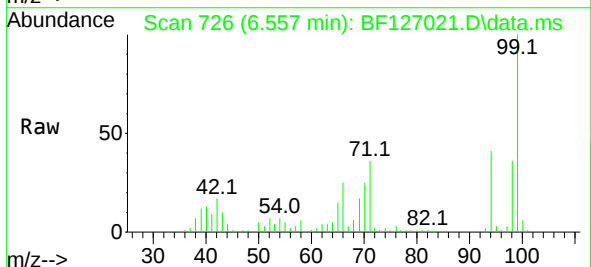
Tgt Ion: 94 Resp: 14524

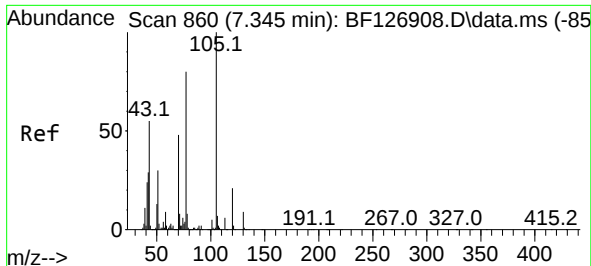
Ion Ratio Lower Upper

94 100

65 37.3 7.2 47.2

66 60.1 14.5 54.5#

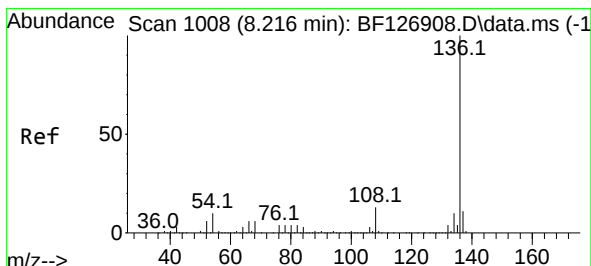
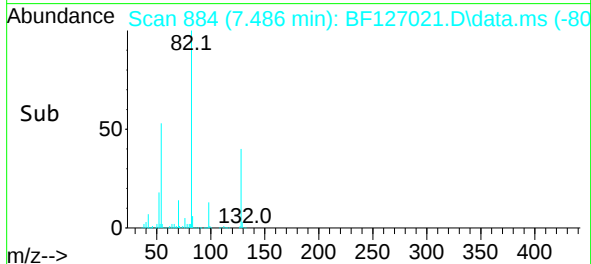
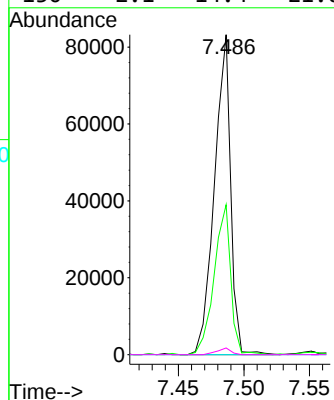
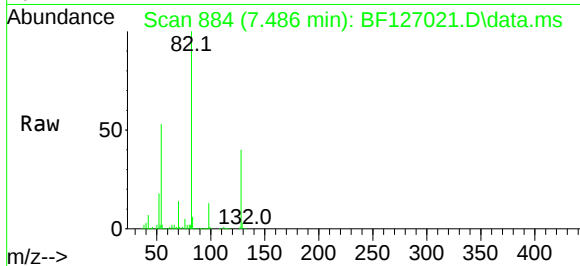




#19
n-Nitroso-di-n-propylamine
Concen: 16.526 ng
RT: 7.486 min Scan# 81
Delta R.T. 0.153 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

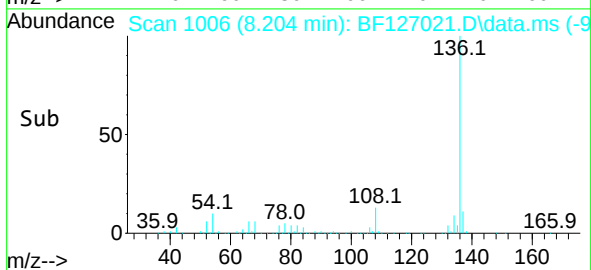
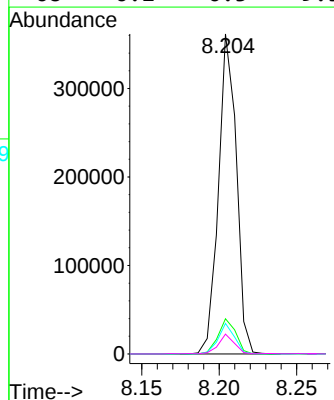
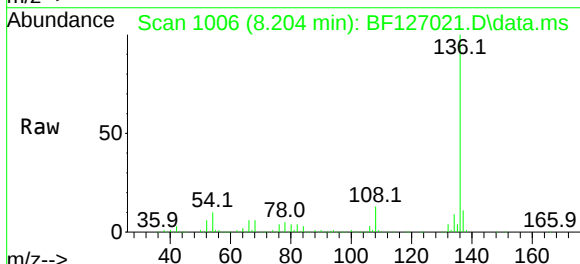
Instrument :
BNA_F
ClientSampleId :
TR-05-021822

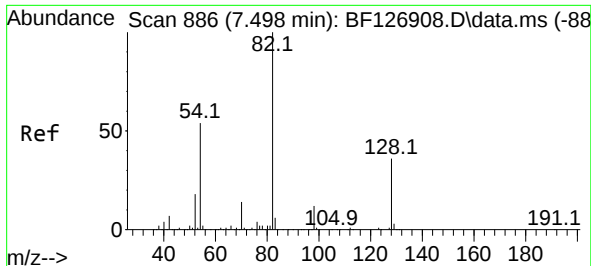
Tgt Ion:	70	Resp:	71443
Ion	Ratio	Lower	Upper
70	100		
42	46.9	45.8	68.8
101	0.0	6.9	10.3#
130	2.1	14.4	21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:	136	Resp:	290936
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	7.8	11.6
68	6.2	6.3	9.5#





#23

Nitrobenzene-d5

Concen: 78.709 ng

RT: 7.486 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

TR-05-021822

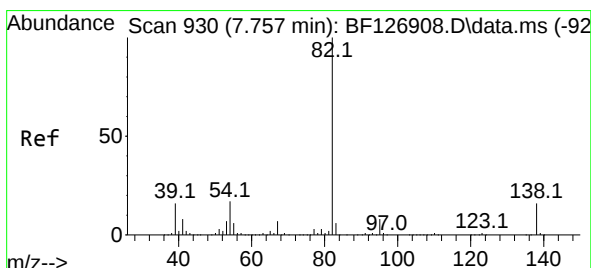
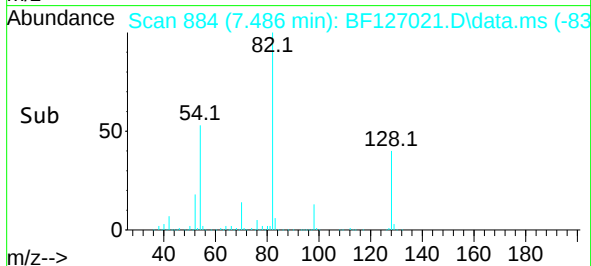
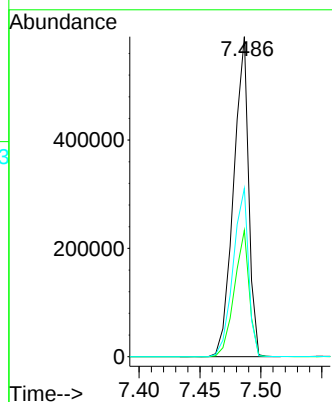
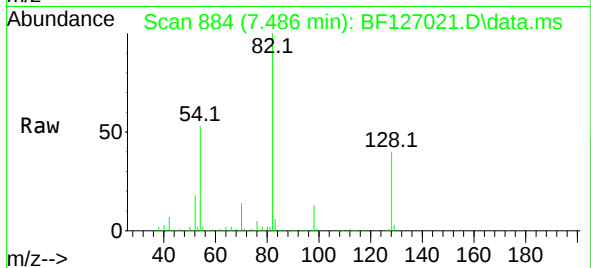
Tgt Ion: 82 Resp: 507328

Ion Ratio Lower Upper

82 100

128 39.5 32.7 49.1

54 52.6 41.7 62.5



#25

Isophorone

Concen: 47.423 ng

RT: 7.486 min Scan# 884

Delta R.T. -0.259 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

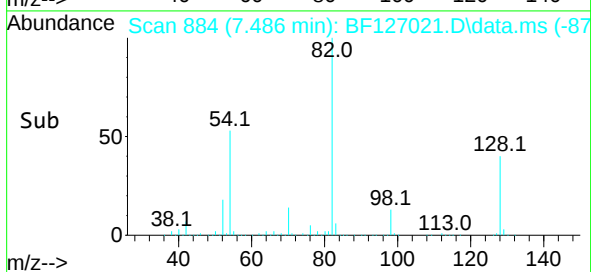
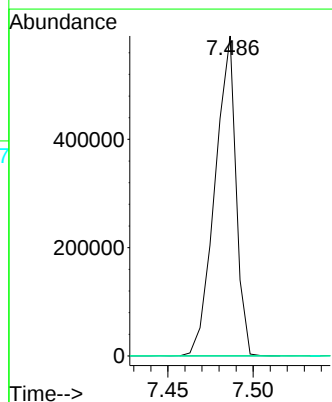
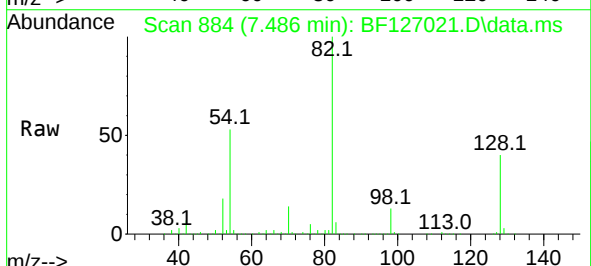
Tgt Ion: 82 Resp: 505803

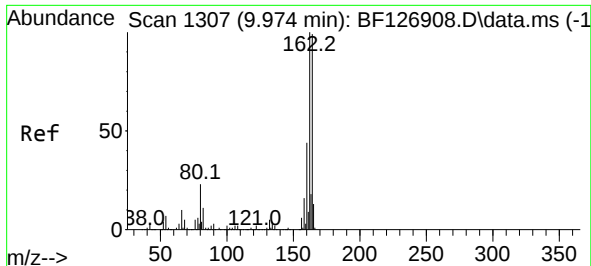
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#

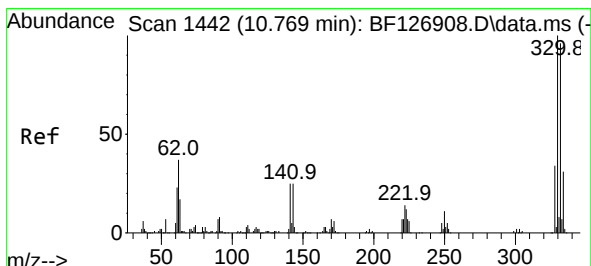
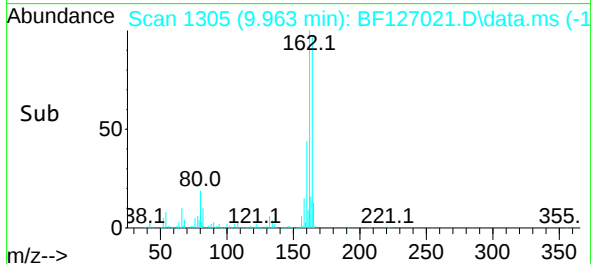
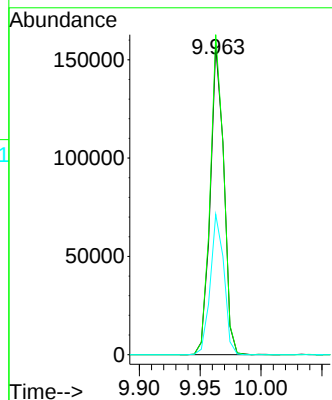
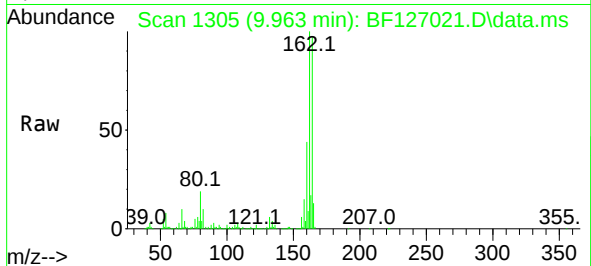




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

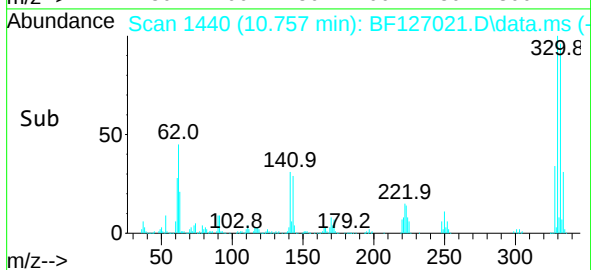
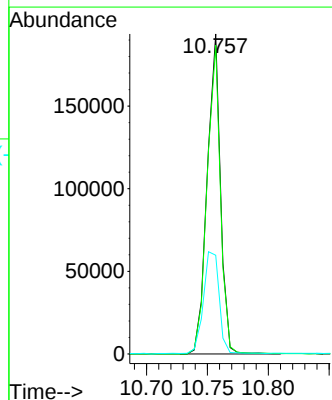
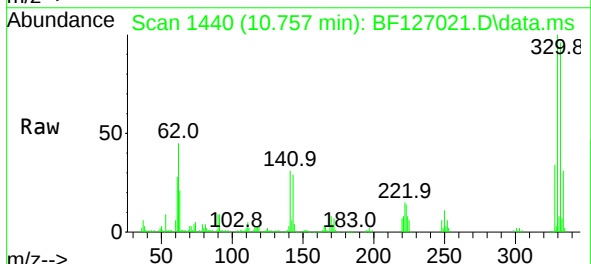
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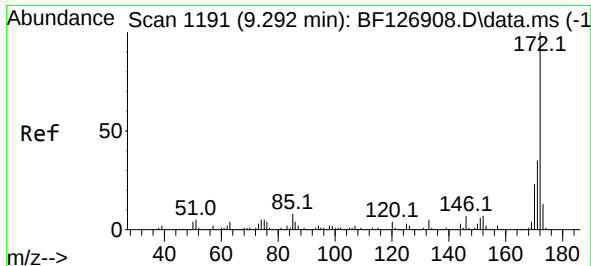
Tgt Ion:164 Resp: 121576
Ion Ratio Lower Upper
164 100
162 103.5 81.4 122.0
160 45.4 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 104.606 ng
RT: 10.757 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:330 Resp: 146426
Ion Ratio Lower Upper
330 100
332 97.4 76.0 114.0
141 38.7 30.1 45.1

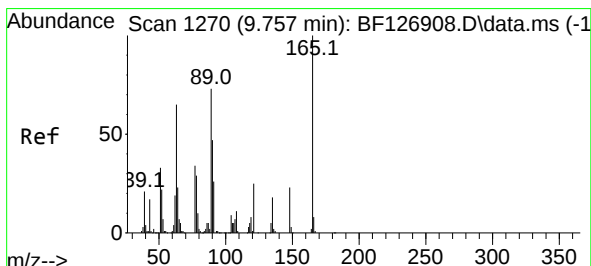
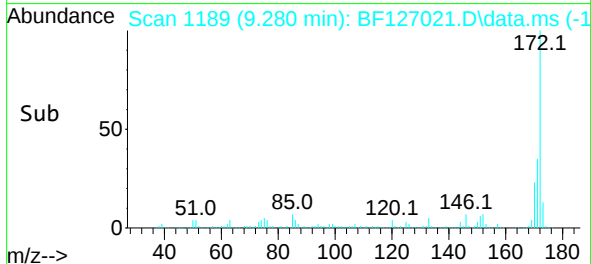
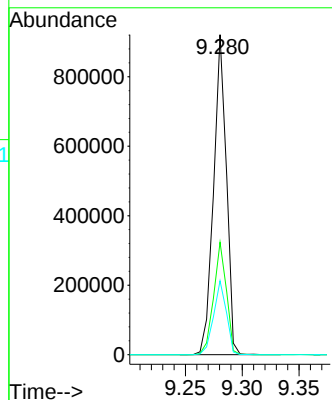
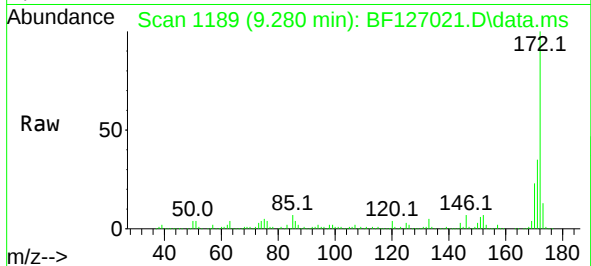




#45
2-Fluorobiphenyl
Concen: 87.267 ng
RT: 9.280 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

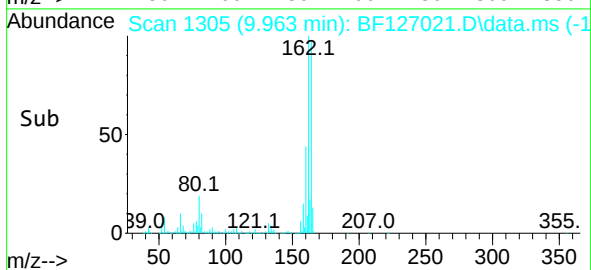
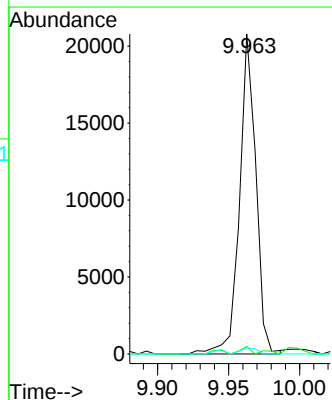
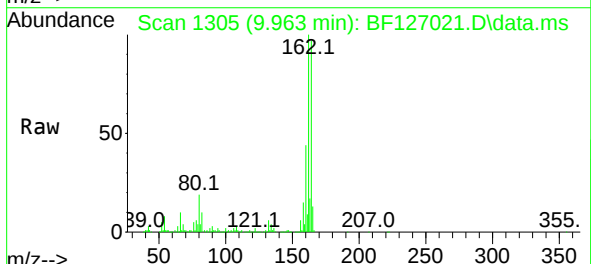
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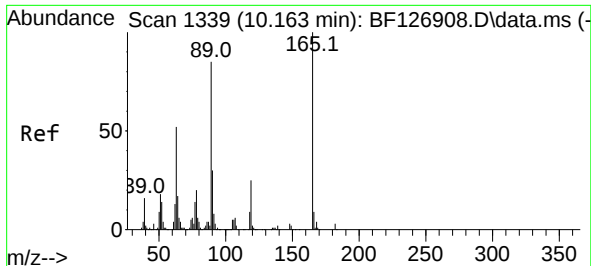
Tgt Ion:172 Resp: 720686
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.1 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.400 ng
RT: 9.963 min Scan# 1305
Delta R.T. 0.218 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

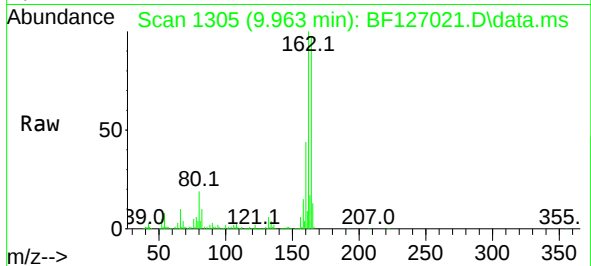
Tgt Ion:165 Resp: 16620
Ion Ratio Lower Upper
165 100
63 2.3 48.4 72.6#
89 2.0 50.5 75.7#



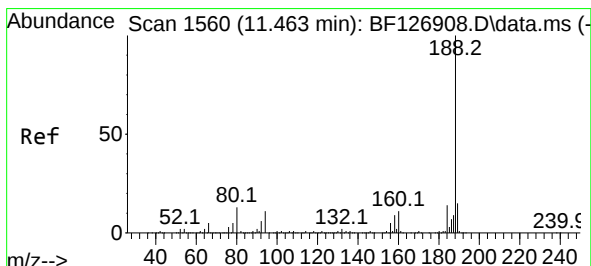
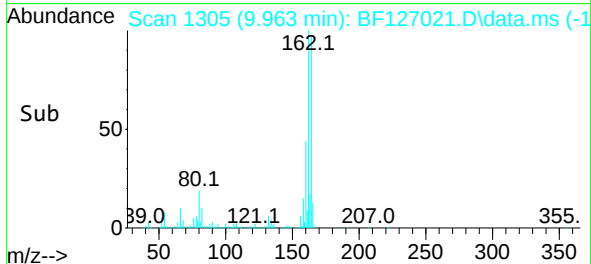
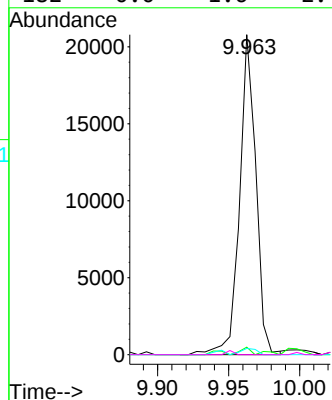


#57
2,4-Dinitrotoluene
Concen: 6.952 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Instrument :
BNA_F
ClientSampleId :
TR-05-021822

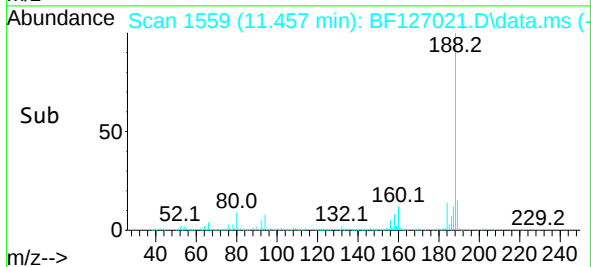
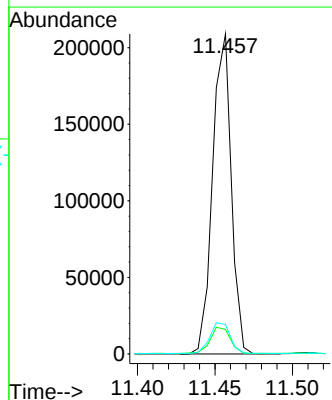
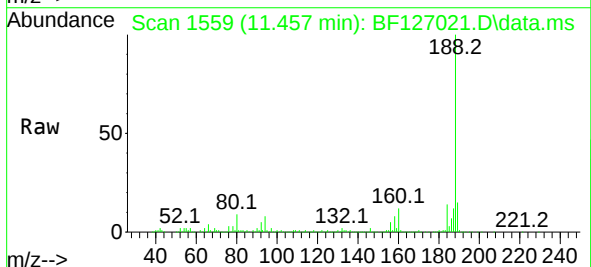


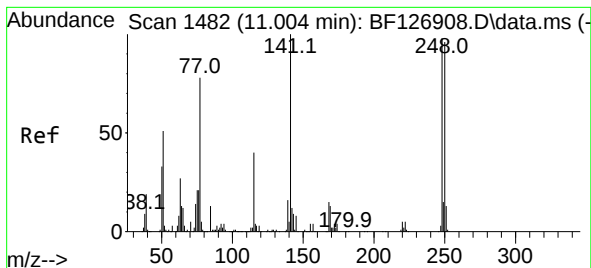
Tgt Ion:165 Resp: 16620
Ion Ratio Lower Upper
165 100
63 2.3 43.0 64.6#
89 2.0 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:188 Resp: 174838
Ion Ratio Lower Upper
188 100
94 7.7 10.1 15.1#
80 9.2 11.8 17.6#

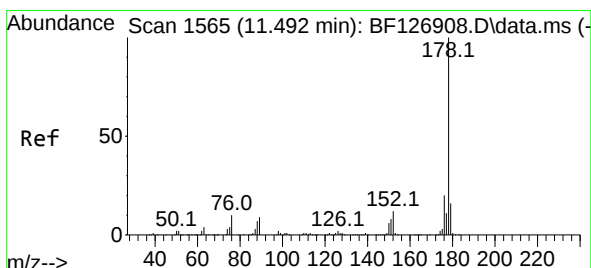
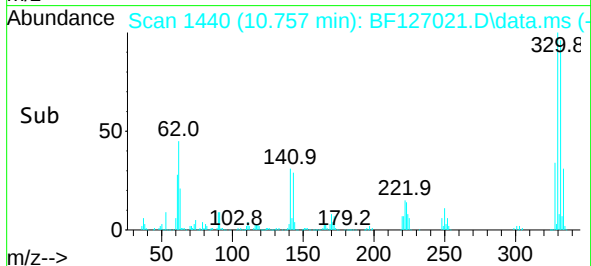
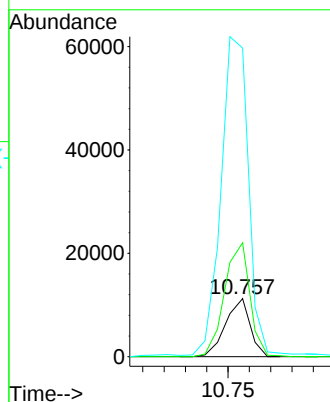
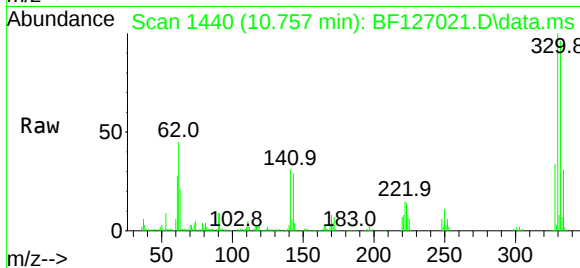




#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 10.757 min Scan# 1482
Delta R.T. -0.235 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

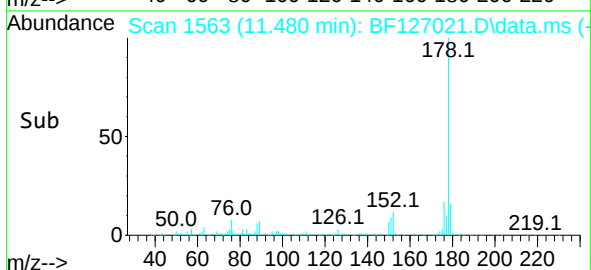
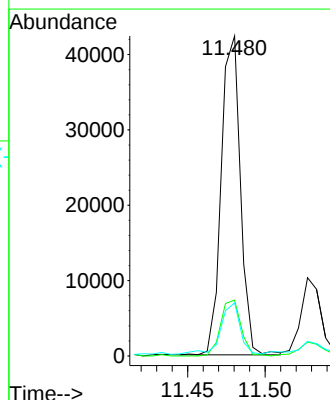
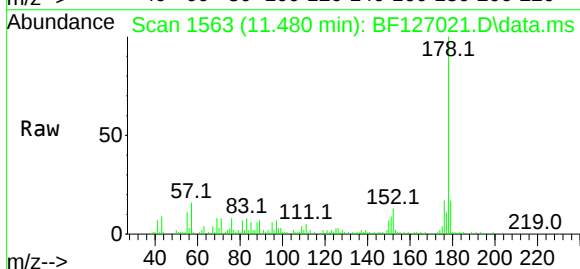
Instrument :
BNA_F
ClientSampleId :
TR-05-021822

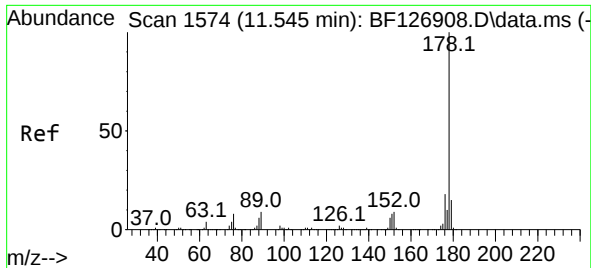
Tgt Ion:248 Resp: 8981
Ion Ratio Lower Upper
248 100
250 196.1 76.2 114.4#
141 531.4 66.2 99.4#



#71
Phenanthrene
Concen: 3.724 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.000 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:178 Resp: 36442
Ion Ratio Lower Upper
178 100
176 17.5 15.7 23.5
179 16.6 12.3 18.5

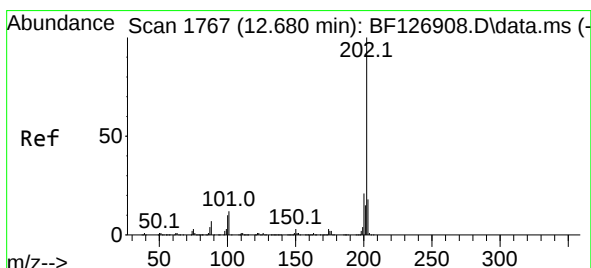
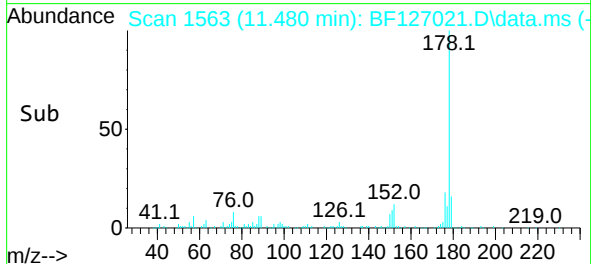
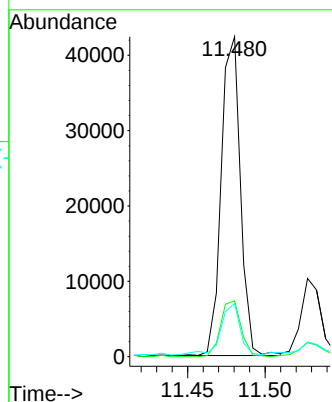
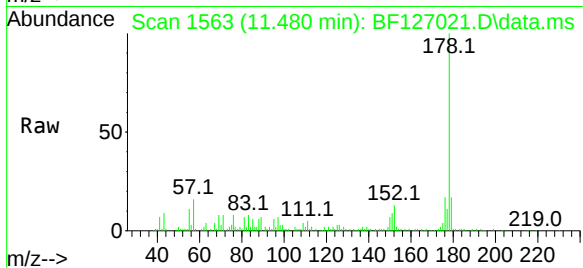




#72
 Anthracene
 Concen: 3.741 ng
 RT: 11.480 min Scan# 11563
 Delta R.T. -0.047 min
 Lab File: BF127021.D
 Acq: 22 Feb 2022 21:15

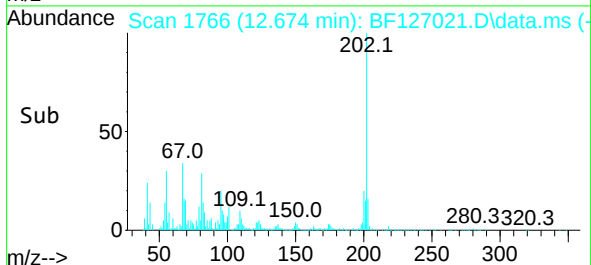
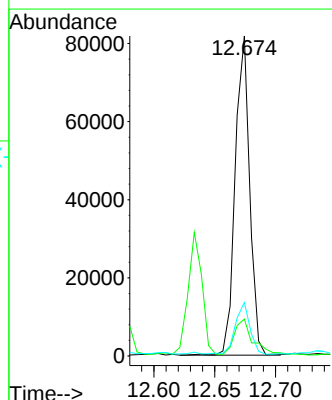
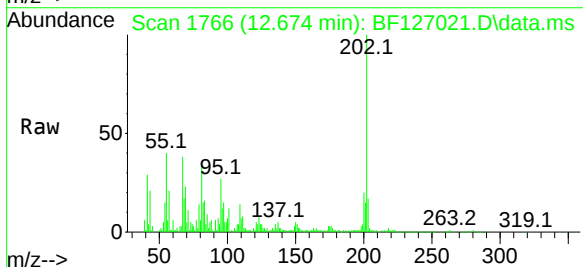
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021822

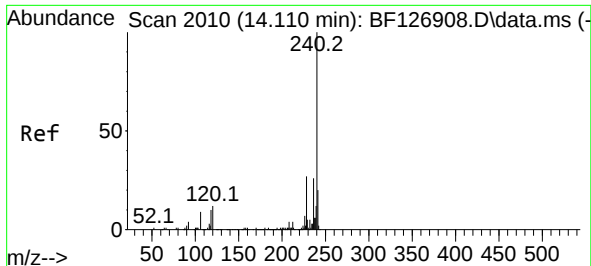
Tgt Ion:178 Resp: 36442
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.0 22.6
 179 16.6 12.5 18.7



#75
 Fluoranthene
 Concen: 7.289 ng
 RT: 12.674 min Scan# 1766
 Delta R.T. 0.006 min
 Lab File: BF127021.D
 Acq: 22 Feb 2022 21:15

Tgt Ion:202 Resp: 67725
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 35.7
 203 16.7 0.0 37.1

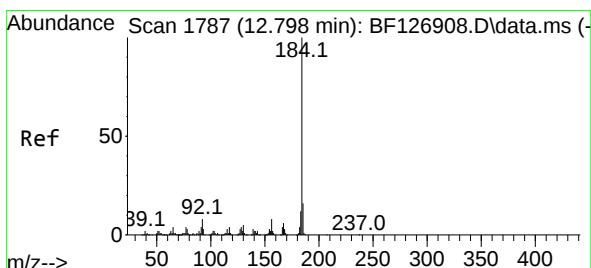
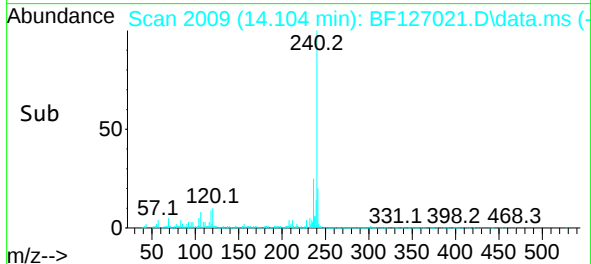
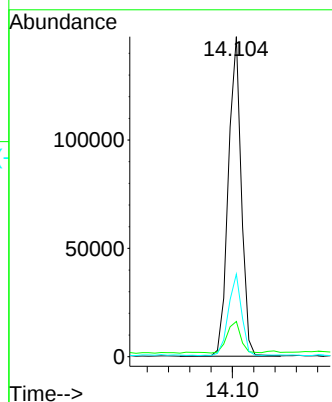
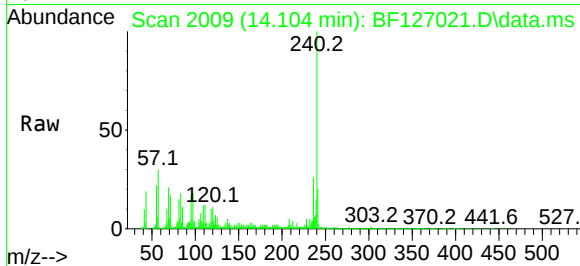




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

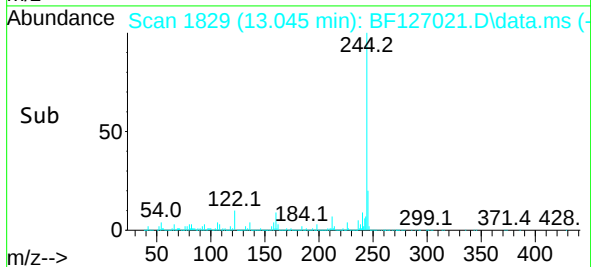
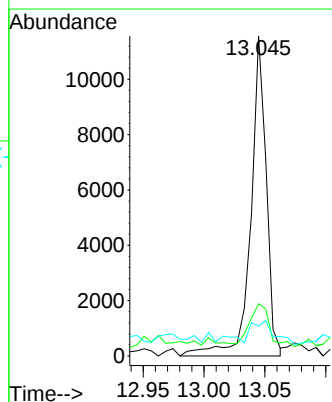
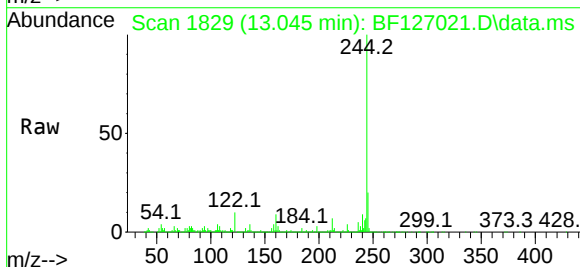
Instrument :
BNA_F
ClientSampleId :
TR-05-021822

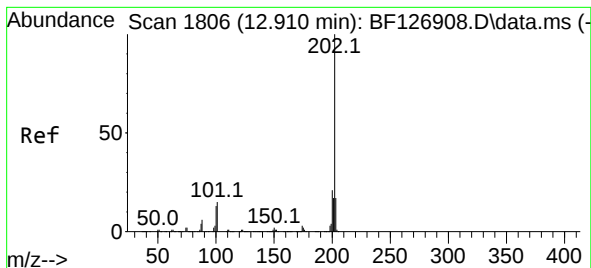
Tgt Ion:240 Resp: 124375
Ion Ratio Lower Upper
240 100
120 11.0 14.4 21.6#
236 25.8 20.5 30.7



#77
Benzidine
Concen: 3.039 ng
RT: 13.045 min Scan# 1829
Delta R.T. 0.259 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:184 Resp: 10271
Ion Ratio Lower Upper
184 100
185 16.3 11.8 17.8
183 9.2 8.2 12.2





#78

Pyrene

Concen: 5.982 ng

RT: 12.904 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

TR-05-021822

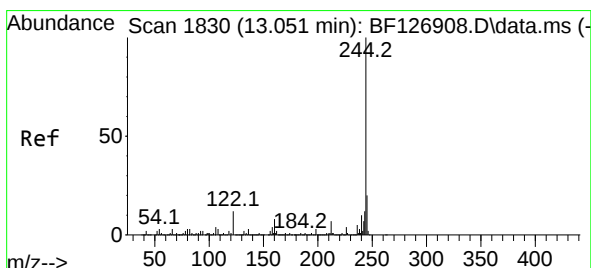
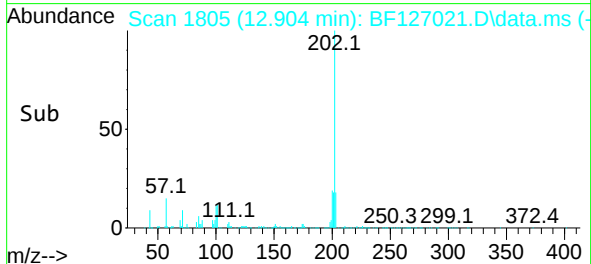
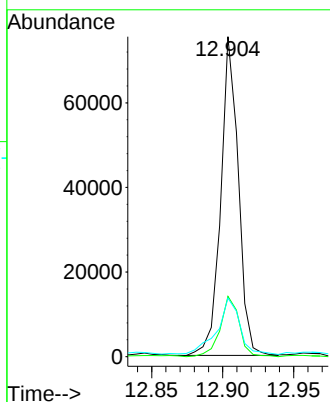
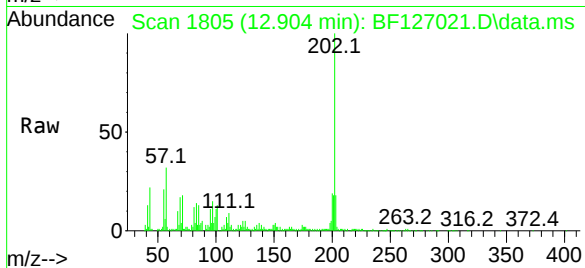
Tgt Ion:202 Resp: 64644

Ion Ratio Lower Upper

202 100

200 18.9 16.6 24.8

203 18.3 13.8 20.8



#79

Terphenyl-d14

Concen: 63.270 ng

RT: 13.045 min Scan# 1829

Delta R.T. 0.006 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

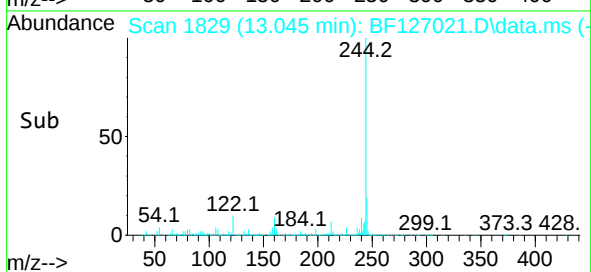
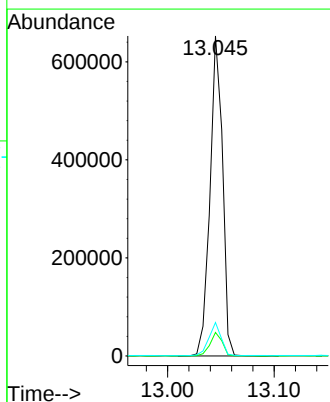
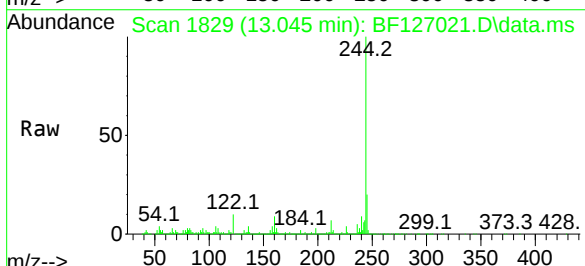
Tgt Ion:244 Resp: 535310

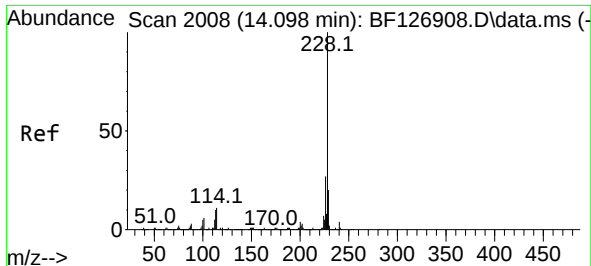
Ion Ratio Lower Upper

244 100

212 7.4 5.0 7.4

122 10.5 13.3 19.9#

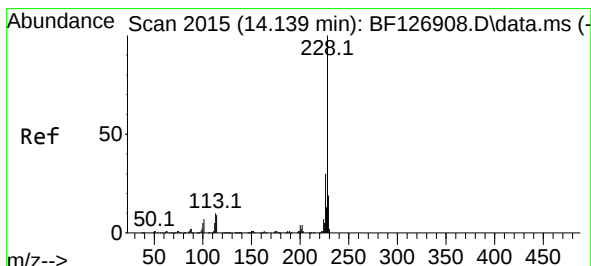
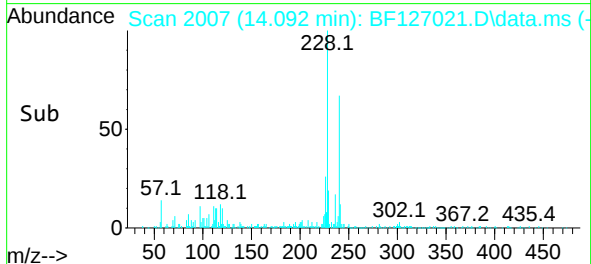
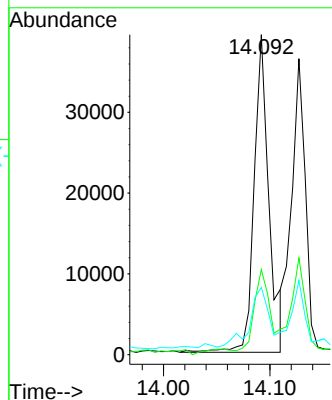
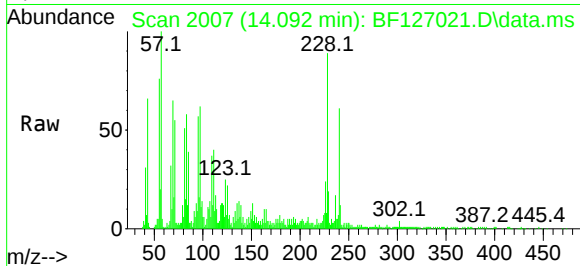




#81
Benzo(a)anthracene
Concen: 4.559 ng
RT: 14.092 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

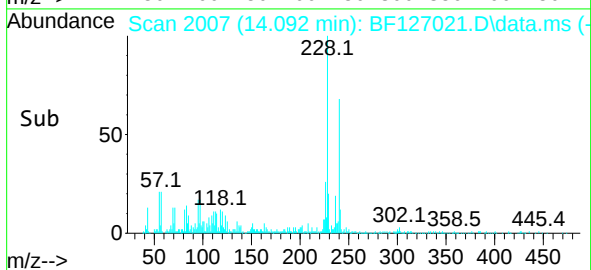
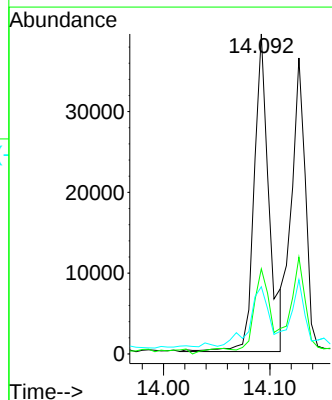
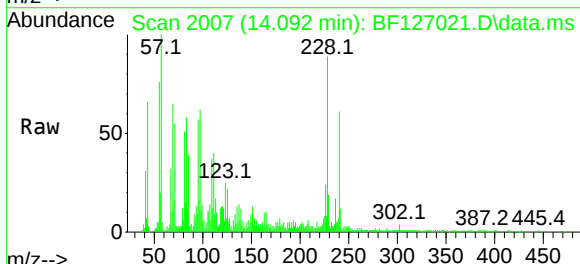
Instrument :
BNA_F
ClientSampleId :
TR-05-021822

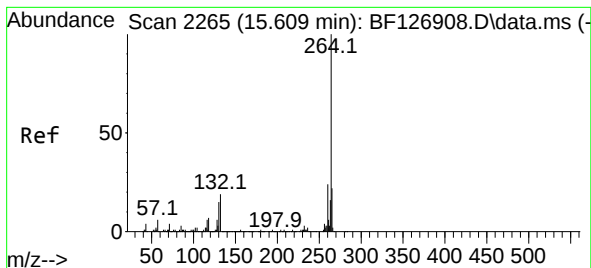
Tgt Ion:228 Resp: 38223
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.0
229 21.0 15.4 23.2



#83
Chrysene
Concen: 4.848 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.030 min
Lab File: BF127021.D
Acq: 22 Feb 2022 21:15

Tgt Ion:228 Resp: 38223
Ion Ratio Lower Upper
228 100
226 26.6 23.7 35.5
229 21.0 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.609 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

TR-05-021822

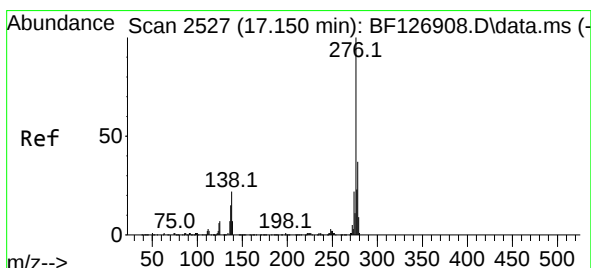
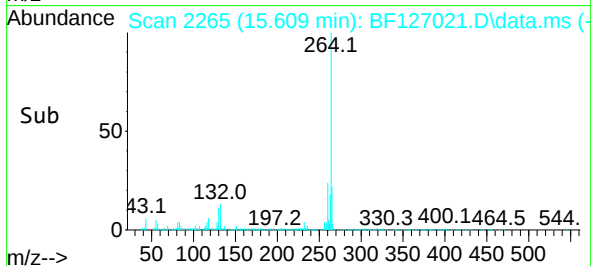
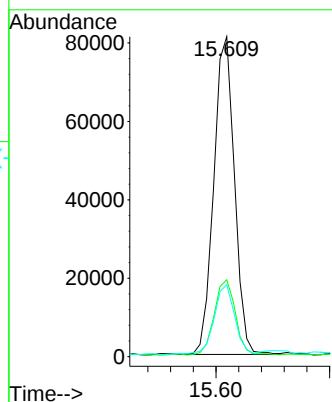
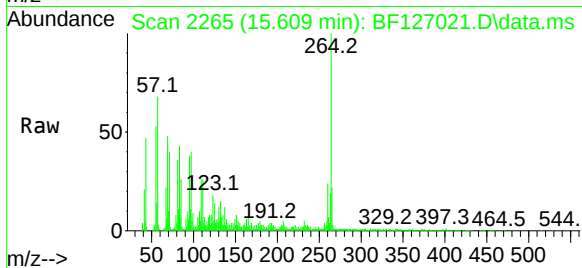
Tgt Ion:264 Resp: 102604

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.372 ng

RT: 17.133 min Scan# 2524

Delta R.T. 0.018 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

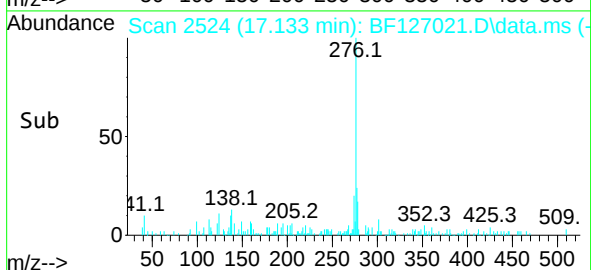
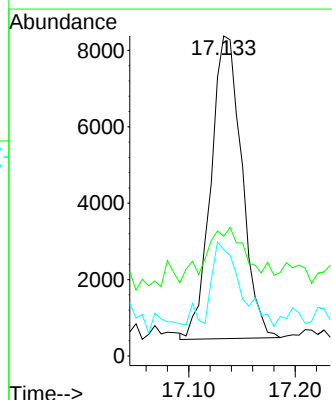
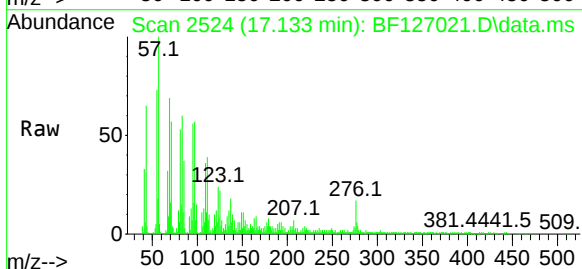
Tgt Ion:276 Resp: 15957

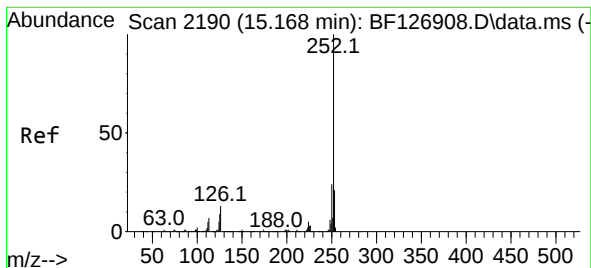
Ion Ratio Lower Upper

276 100

138 22.5 29.2 43.8#

277 27.0 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 7.424 ng

RT: 15.162 min Scan# 2190

Delta R.T. 0.012 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

Instrument :

BNF_F

ClientSampleId :

TR-05-021822

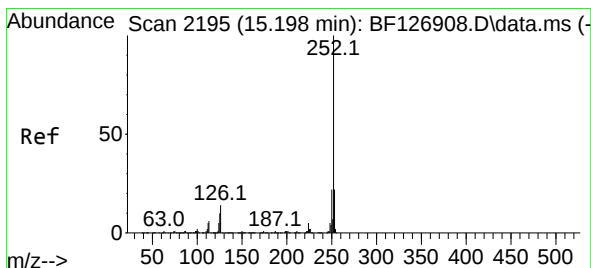
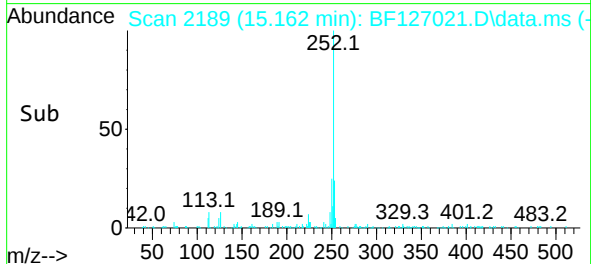
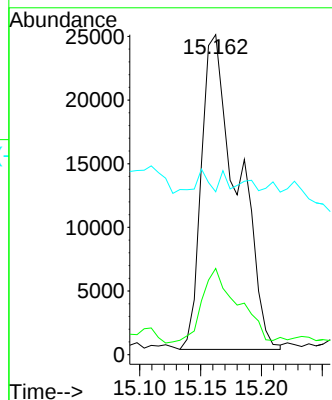
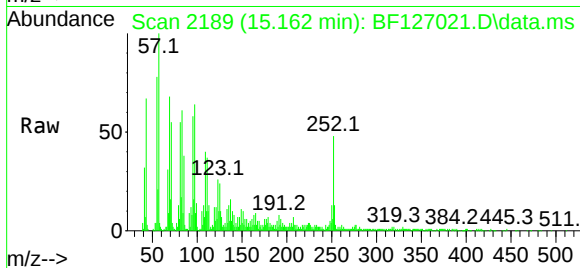
Tgt Ion:252 Resp: 51162

Ion Ratio Lower Upper

252 100

253 26.9 17.8 26.8#

125 50.9 12.4 18.6#



#89

Benzo(k)fluoranthene

Concen: 7.697 ng

RT: 15.162 min Scan# 2189

Delta R.T. -0.018 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

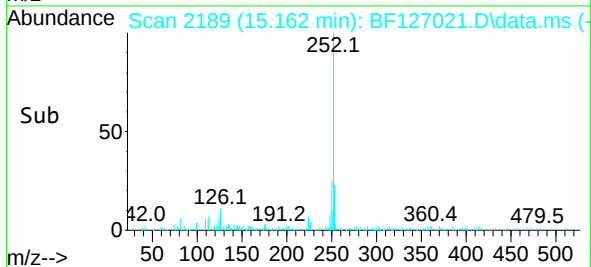
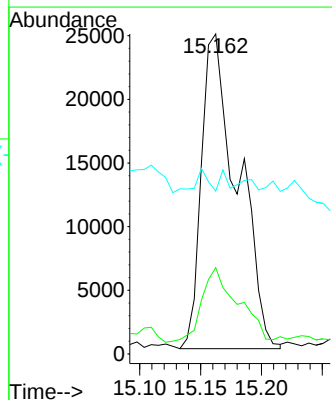
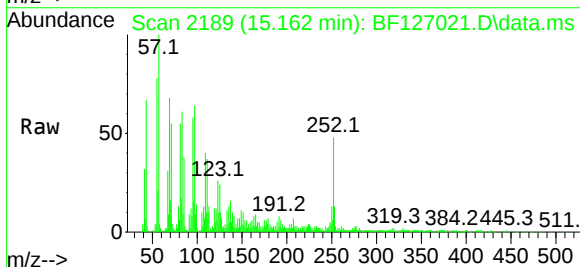
Tgt Ion:252 Resp: 51162

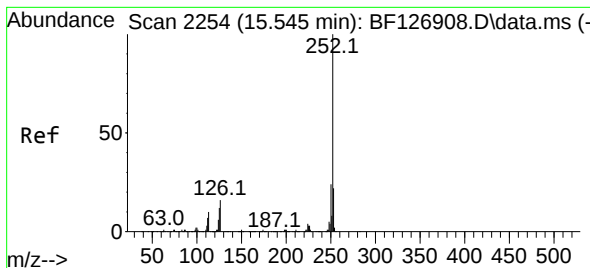
Ion Ratio Lower Upper

252 100

253 26.9 17.5 26.3#

125 50.9 11.8 17.6#





#90

Benzo(a)pyrene

Concen: 4.912 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

Instrument :

BNA_F

ClientSampleId :

TR-05-021822

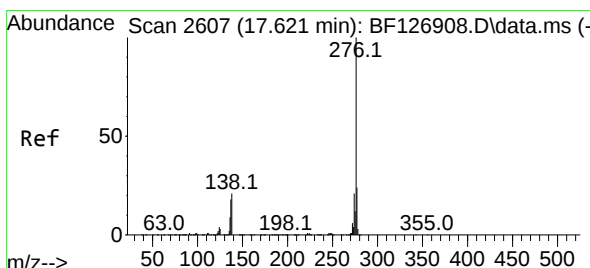
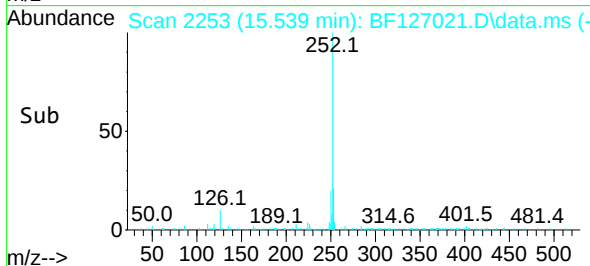
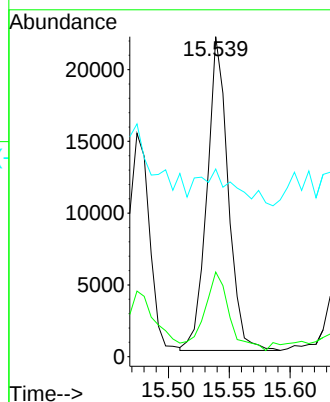
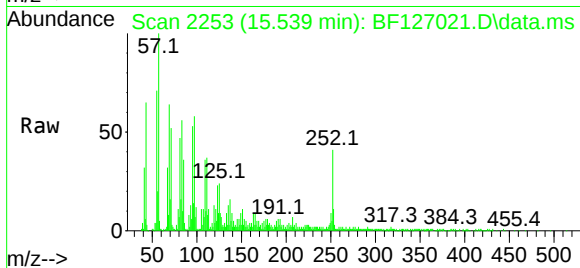
Tgt Ion:252 Resp: 26438

Ion Ratio Lower Upper

252 100

253 26.5 17.1 25.7#

125 58.7 13.0 19.6#



#92

Benzo(g,h,i)perylene

Concen: 2.840 ng

RT: 17.603 min Scan# 2604

Delta R.T. 0.018 min

Lab File: BF127021.D

Acq: 22 Feb 2022 21:15

Tgt Ion:276 Resp: 15579

Ion Ratio Lower Upper

276 100

277 30.7 18.5 27.7#

138 35.9 25.9 38.9

