

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
 Data File : BF127467.D
 Acq On : 22 Mar 2022 22:39
 Operator : CG\JU
 Sample : N1949-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-BH1-031422-4-6

Quant Time: Mar 23 03:03:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 02:16:33 2022
 Response via : Initial Calibration

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

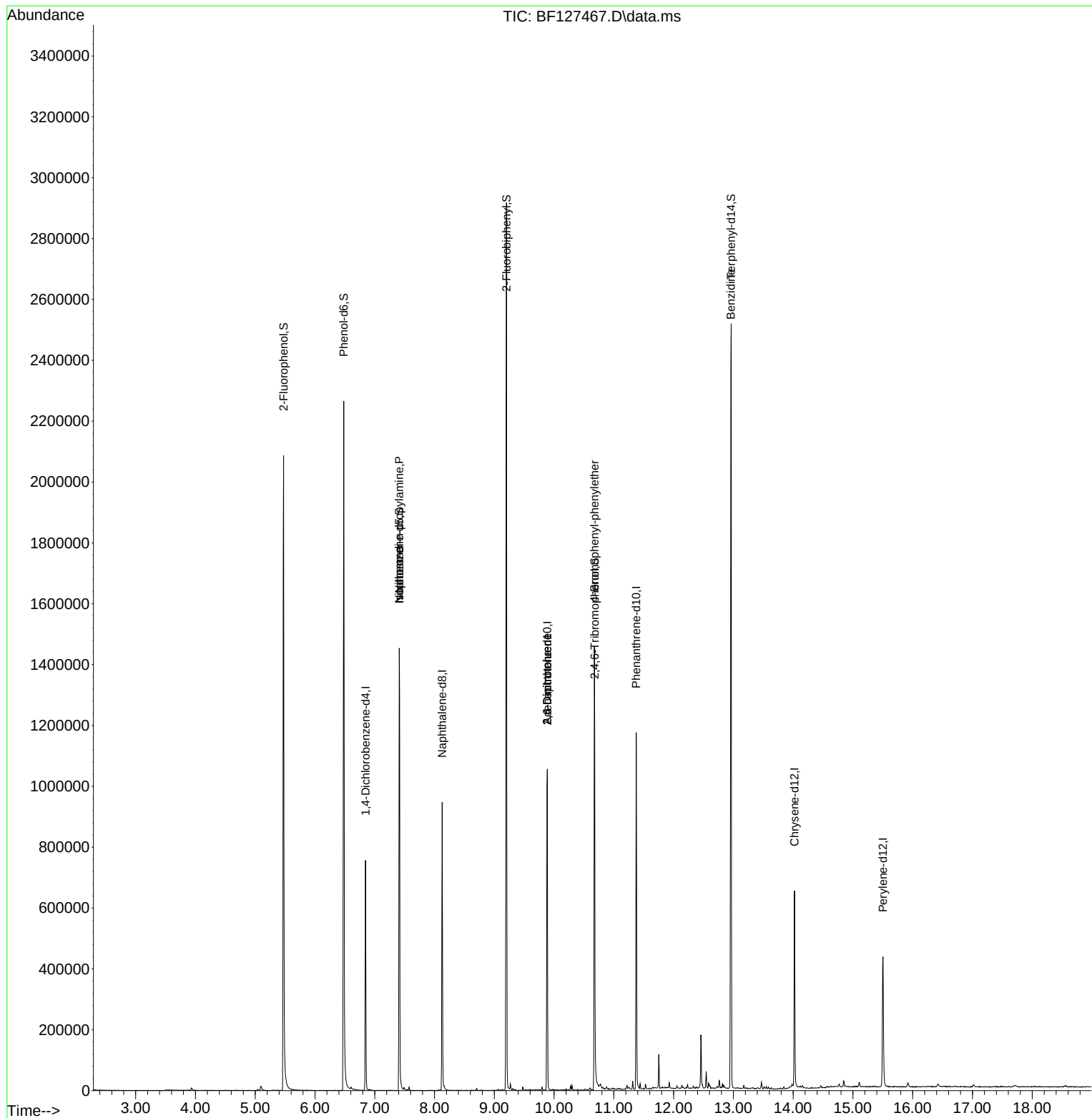
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	99379	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	367167	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	216235	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	386768	20.000	ng	0.00
76) Chrysene-d12	14.021	240	211887	20.000	ng	0.00
86) Perylene-d12	15.504	264	203677	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	524015	84.167	ng	0.00
7) Phenol-d6	6.481	99	712864	83.765	ng	0.00
23) Nitrobenzene-d5	7.410	82	484767	56.437	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	174789	75.881	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	846512	57.165	ng	0.00
79) Terphenyl-d14	12.963	244	912358	70.488	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.481	77	1013	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.410	70	65932	12.925	ng	# 77
25) Isophorone	7.410	82	484762	35.434	ng	# 70
51) 2,6-Dinitrotoluene	9.886	165	27623	8.748	ng	# 17
57) 2,4-Dinitrotoluene	9.886	165	27623	6.796	ng	# 14
58) Fluorene	10.674	166	6950	Below Cal	#	92
67) 4-Bromophenyl-phenylether	10.674	248	11711	2.593	ng	# 1
77) Benzidine	12.957	184	11522	2.281	ng	# 91

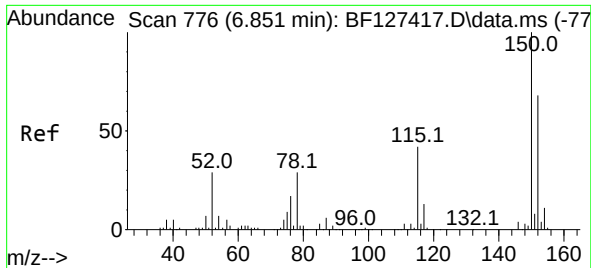
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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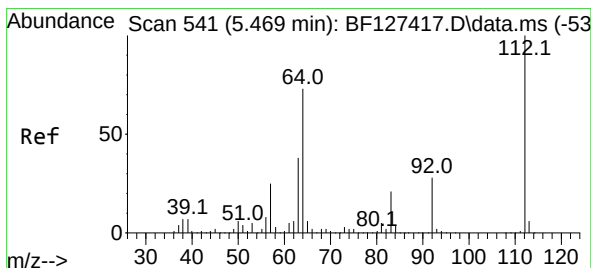
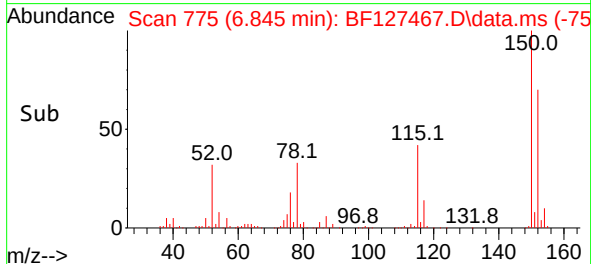
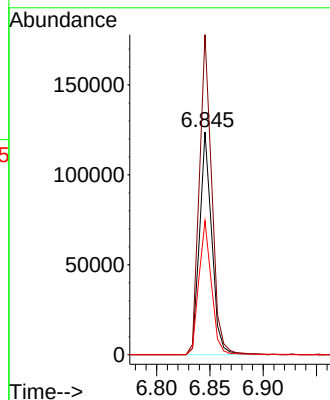
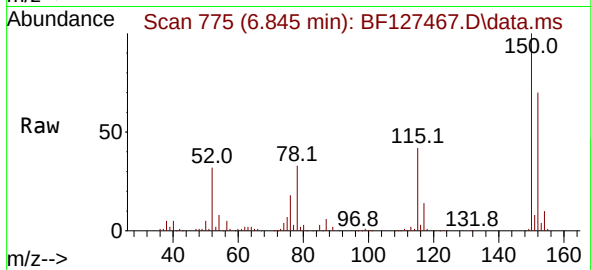




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

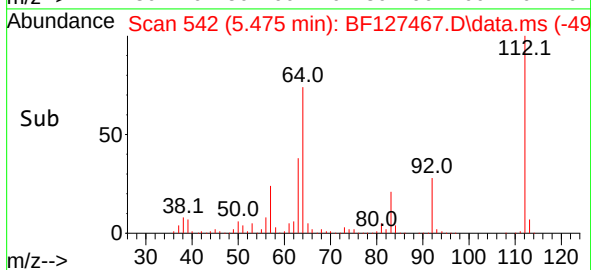
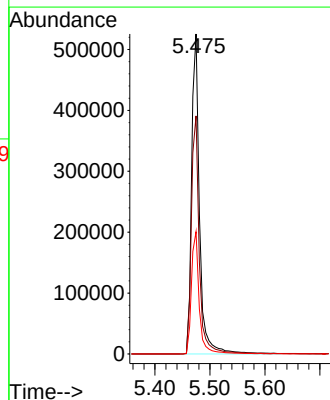
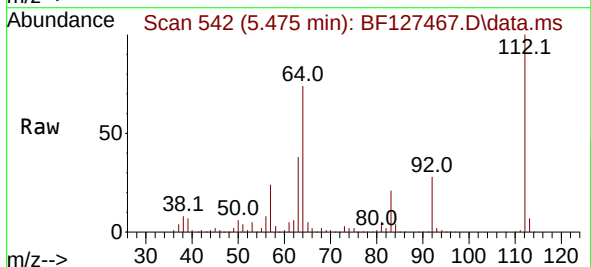
Instrument :
BNA_F
ClientSampleId :
CP-BH1-031422-4-6

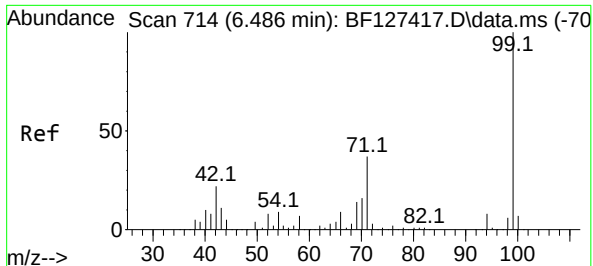
Tgt Ion:152 Resp: 99379
Ion Ratio Lower Upper
152 100
150 143.8 117.2 175.8
115 60.2 49.8 74.6



#5
2-Fluorophenol
Concen: 84.167 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

Tgt Ion:112 Resp: 524015
Ion Ratio Lower Upper
112 100
64 74.4 58.4 87.6
63 38.2 30.1 45.1





#7

Phenol-d6

Concen: 83.765 ng

RT: 6.481 min Scan# 713

Delta R.T. -0.006 min

Lab File: BF127467.D

Acq: 22 Mar 2022 22:39

Instrument :

BNA_F

ClientSampleId :

CP-BH1-031422-4-6

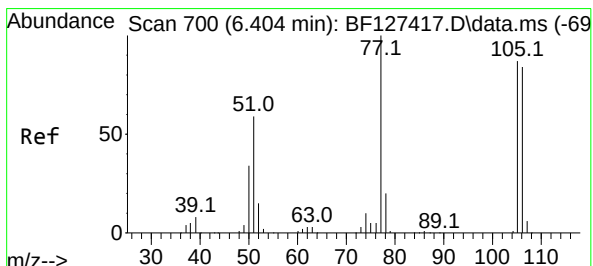
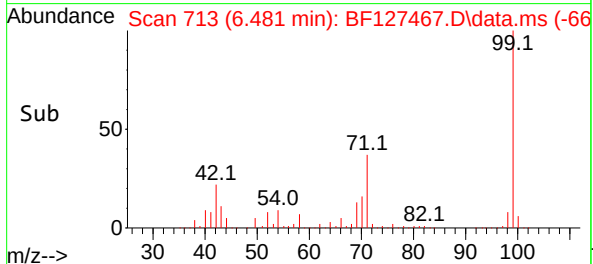
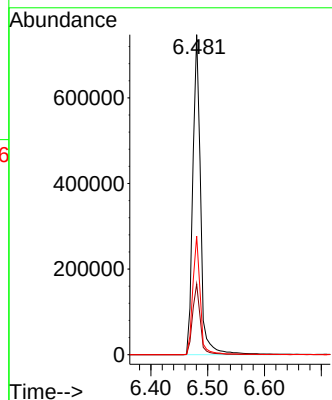
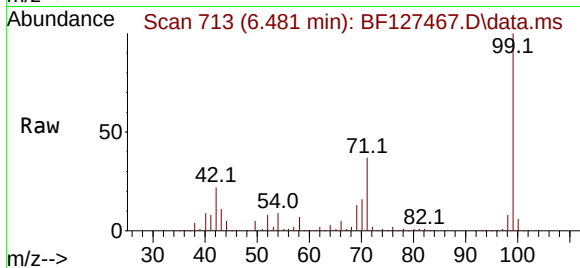
Tgt Ion: 99 Resp: 712864

Ion Ratio Lower Upper

99 100

42 22.1 17.8 26.6

71 37.1 29.6 44.4



#9

Benzaldehyde

Concen: Below Cal

RT: 6.481 min Scan# 713

Delta R.T. 0.077 min

Lab File: BF127467.D

Acq: 22 Mar 2022 22:39

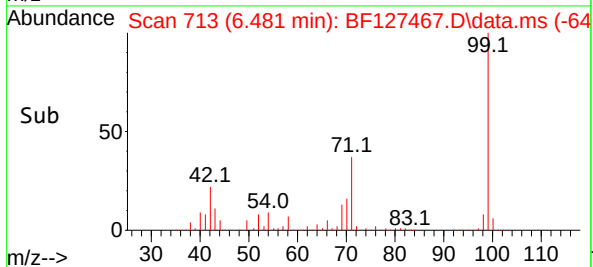
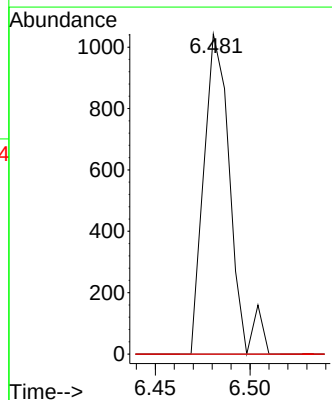
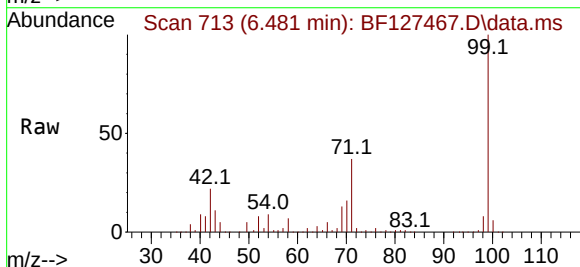
Tgt Ion: 77 Resp: 1013

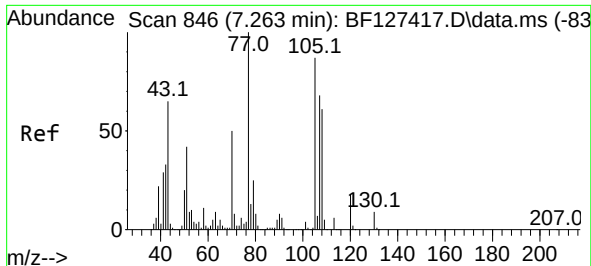
Ion Ratio Lower Upper

77 100

105 0.0 66.8 106.8#

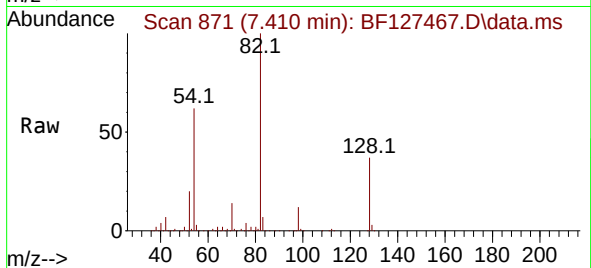
106 0.0 64.3 104.3#



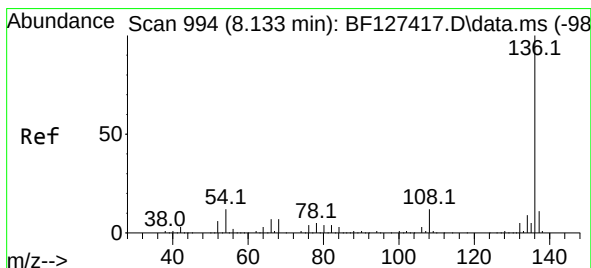
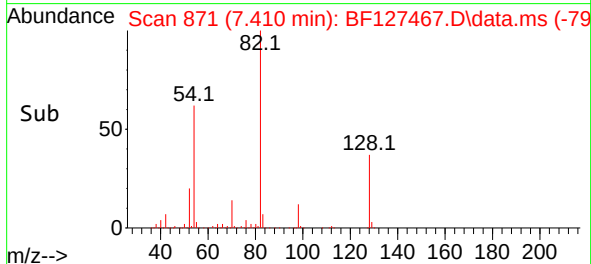
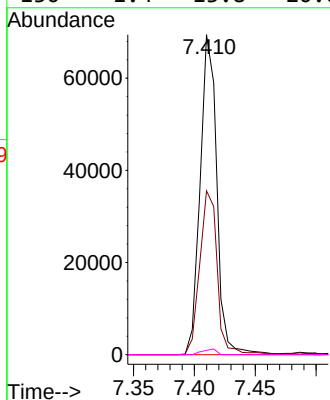


#19
n-Nitroso-di-n-propylamine
Concen: 12.925 ng
RT: 7.410 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

Instrument :
BNA_F
ClientSampleId :
CP-BH1-031422-4-6

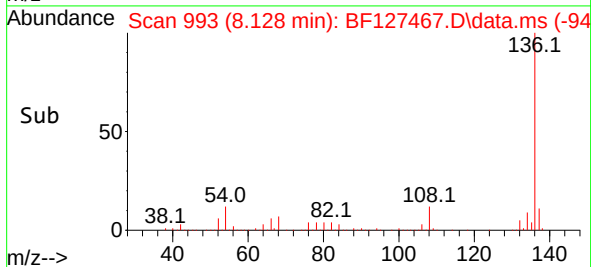
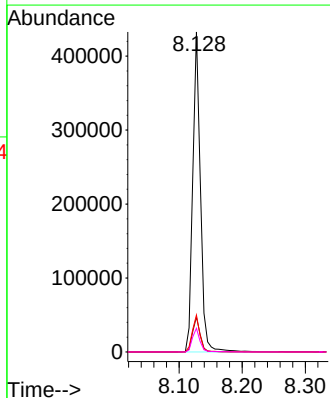
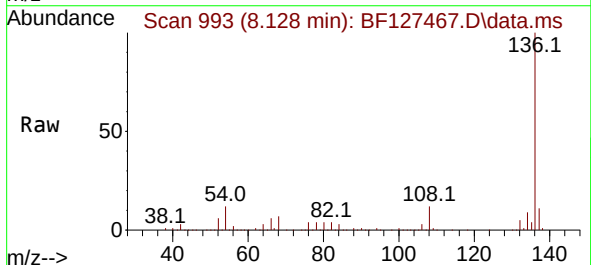


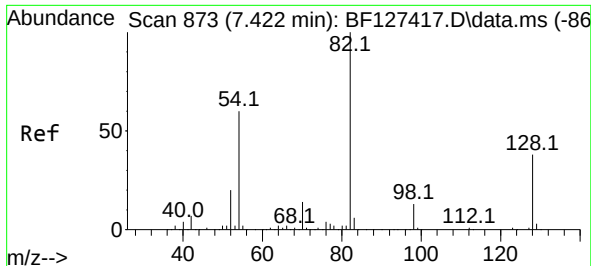
Tgt Ion: 70 Resp: 65932
Ion Ratio Lower Upper
70 100
42 51.2 53.0 79.6#
101 0.0 6.8 10.2#
130 1.4 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

Tgt Ion: 136 Resp: 367167
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 11.6 9.2 13.8
68 7.4 5.4 8.0

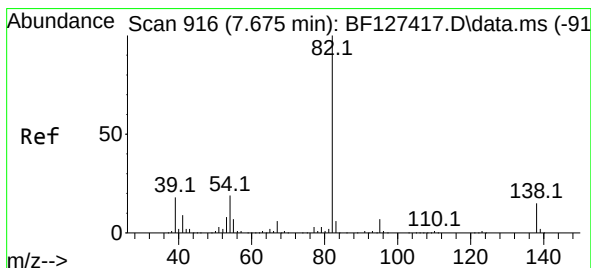
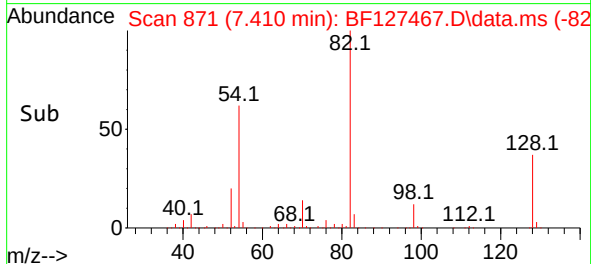
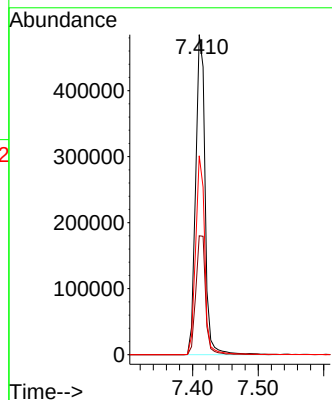
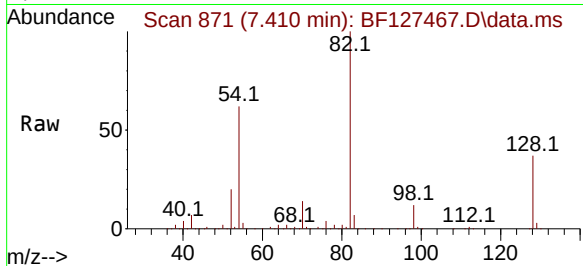




#23
Nitrobenzene-d5
Concen: 56.437 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

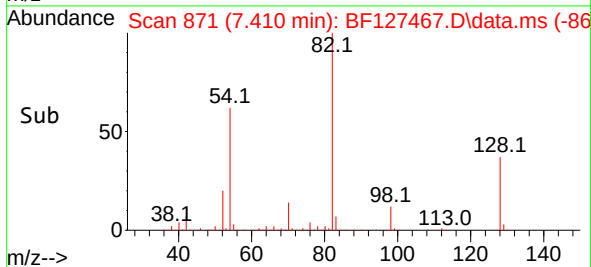
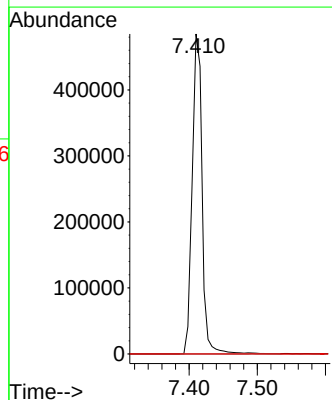
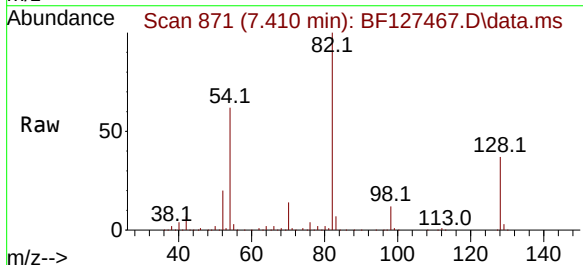
Instrument :
BNA_F
ClientSampleId :
CP-BH1-031422-4-6

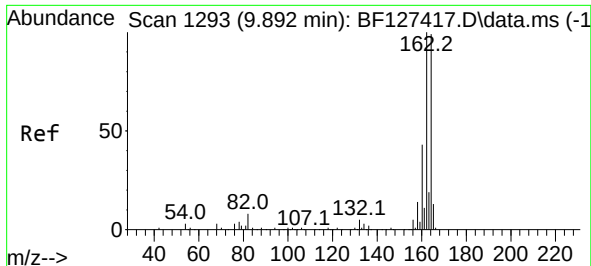
Tgt Ion: 82 Resp: 484767
Ion Ratio Lower Upper
82 100
128 37.1 30.6 45.8
54 62.2 48.2 72.2



#25
Isophorone
Concen: 35.434 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.265 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

Tgt Ion: 82 Resp: 484762
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127467.D

Acq: 22 Mar 2022 22:39

Instrument :

BNA_F

ClientSampleId :

CP-BH1-031422-4-6

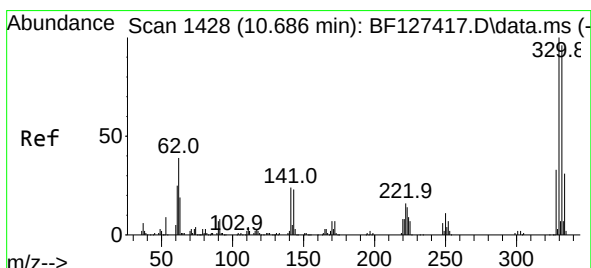
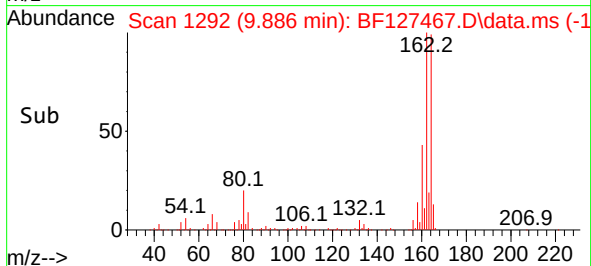
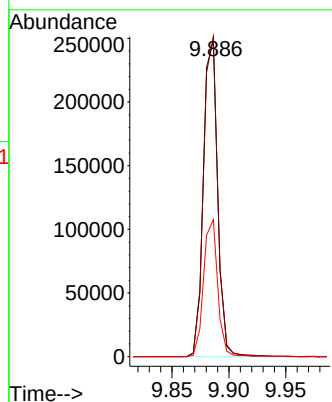
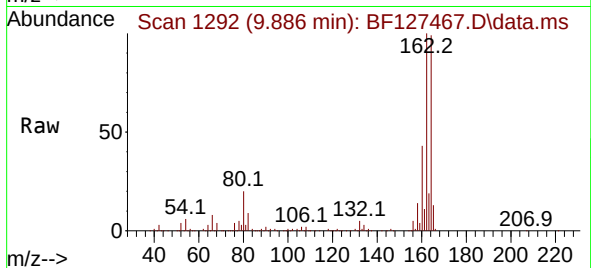
Tgt Ion:164 Resp: 216235

Ion Ratio Lower Upper

164 100

162 101.3 81.2 121.8

160 43.4 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 75.881 ng

RT: 10.680 min Scan# 1427

Delta R.T. -0.006 min

Lab File: BF127467.D

Acq: 22 Mar 2022 22:39

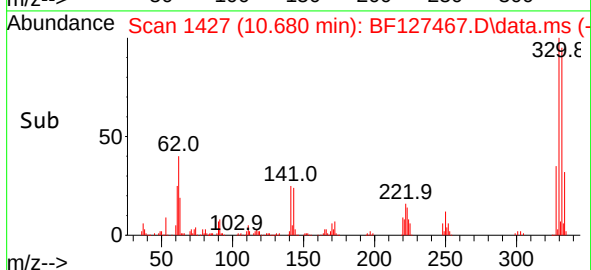
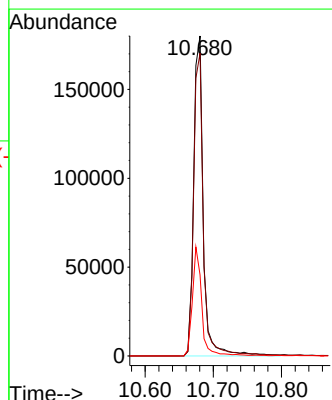
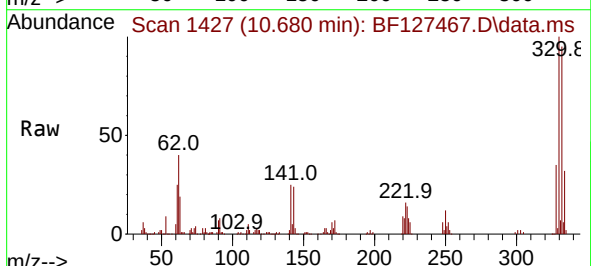
Tgt Ion:330 Resp: 174789

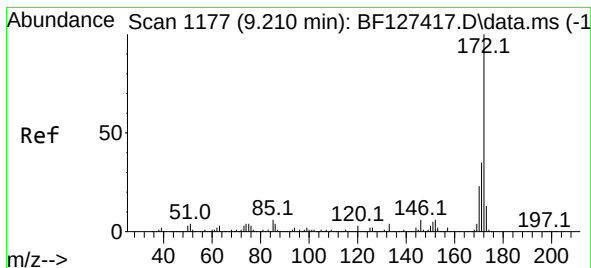
Ion Ratio Lower Upper

330 100

332 95.6 79.1 118.7

141 33.0 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 57.165 ng

RT: 9.204 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF127467.D

Acq: 22 Mar 2022 22:39

Instrument :

BNA_F

ClientSampleId :

CP-BH1-031422-4-6

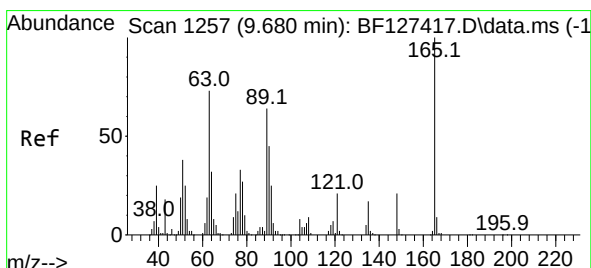
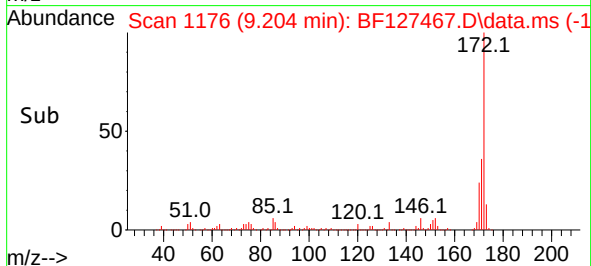
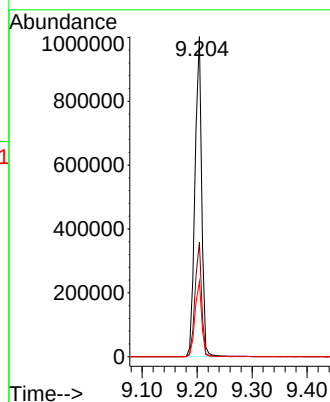
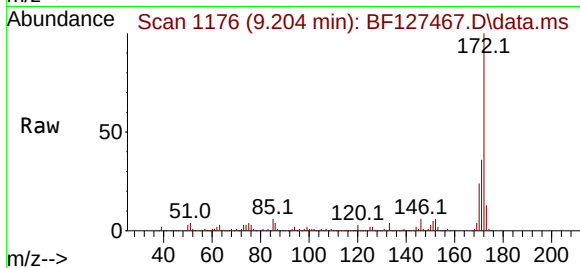
Tgt Ion:172 Resp: 846512

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.5 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.748 ng

RT: 9.886 min Scan# 1292

Delta R.T. 0.206 min

Lab File: BF127467.D

Acq: 22 Mar 2022 22:39

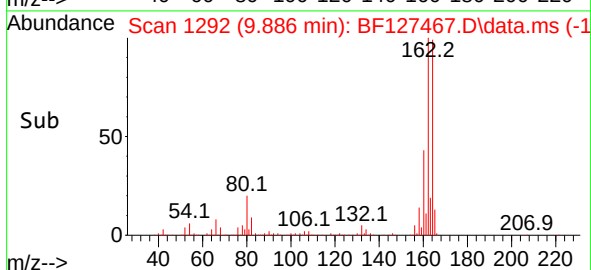
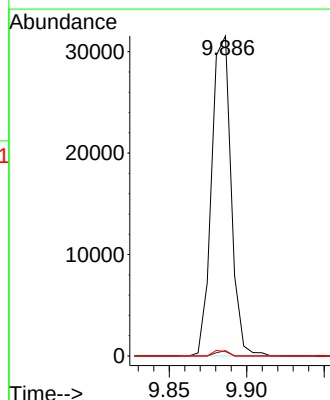
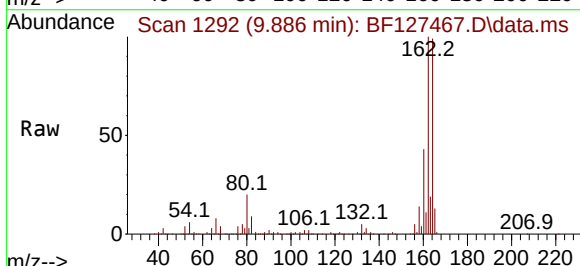
Tgt Ion:165 Resp: 27623

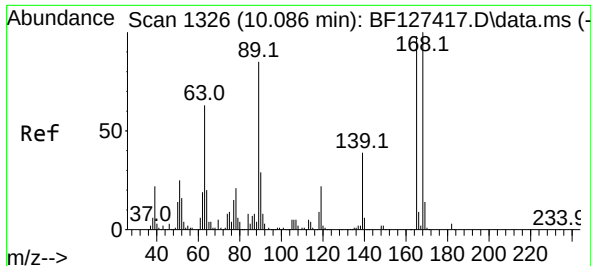
Ion Ratio Lower Upper

165 100

63 1.7 58.3 87.5#

89 1.4 51.5 77.3#

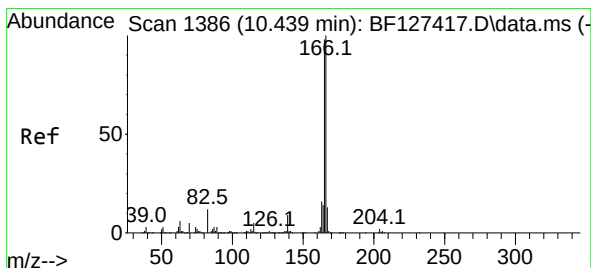
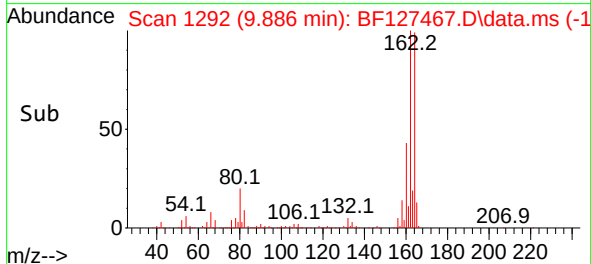
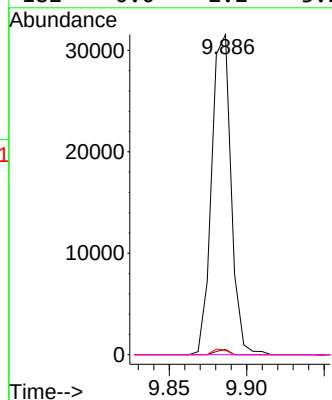
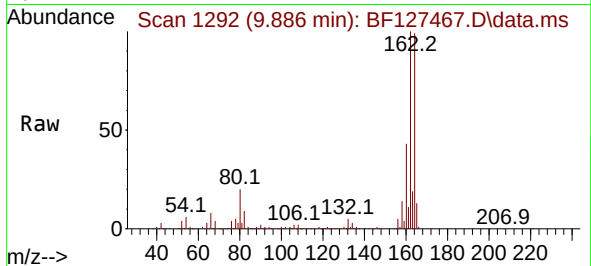




#57
2,4-Dinitrotoluene
Concen: 6.796 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

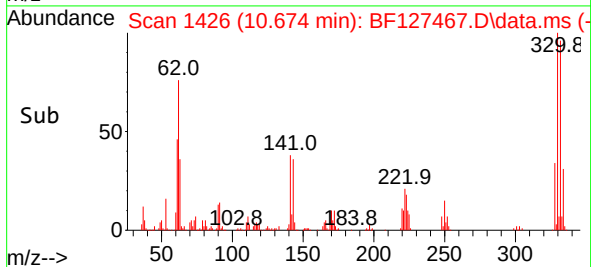
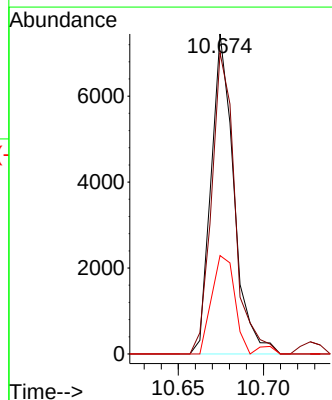
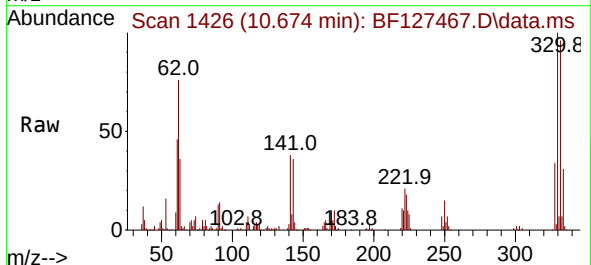
Instrument :
BNA_F
ClientSampleId :
CP-BH1-031422-4-6

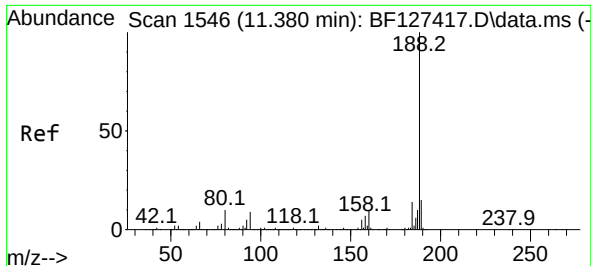
Tgt Ion:165 Resp: 27623
Ion Ratio Lower Upper
165 100
63 1.7 53.1 79.7#
89 1.4 69.2 103.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: Below Cal
RT: 10.674 min Scan# 1426
Delta R.T. 0.235 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

Tgt Ion:166 Resp: 6950
Ion Ratio Lower Upper
166 100
165 94.1 78.1 117.1
167 30.8 10.5 15.7#

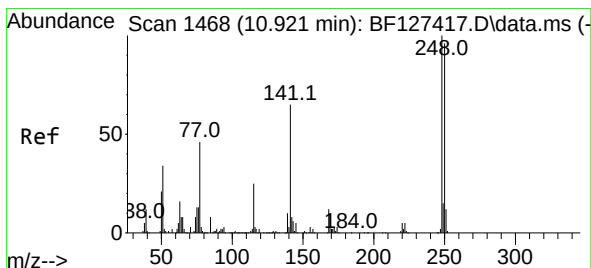
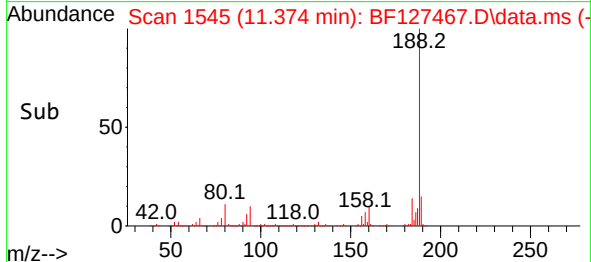
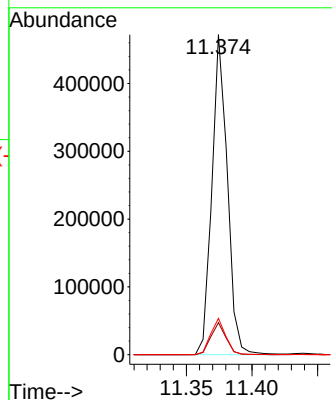
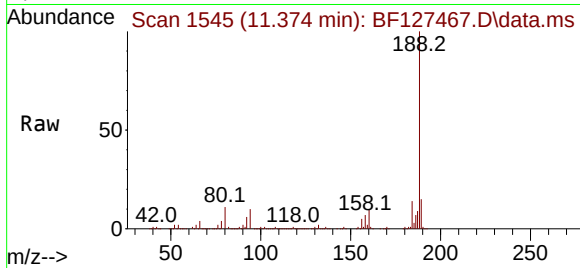




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

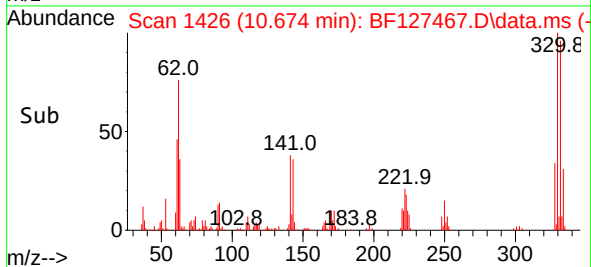
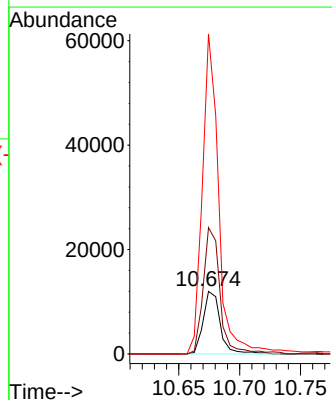
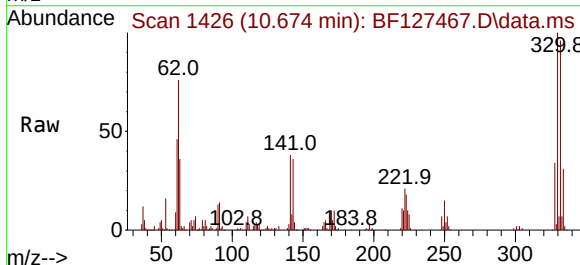
Instrument :
BNA_F
ClientSampleId :
CP-BH1-031422-4-6

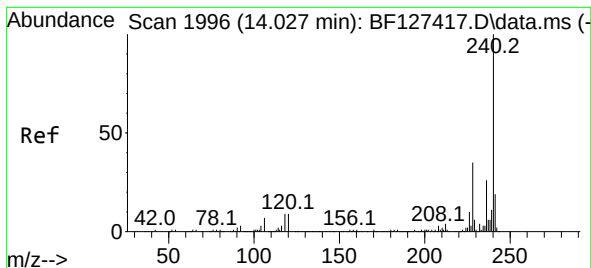
Tgt Ion:188 Resp: 386768
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.0
80 11.3 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 2.593 ng
RT: 10.674 min Scan# 1426
Delta R.T. -0.247 min
Lab File: BF127467.D
Acq: 22 Mar 2022 22:39

Tgt Ion:248 Resp: 11711
Ion Ratio Lower Upper
248 100
250 201.9 76.6 115.0#
141 511.1 52.2 78.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF127467.D

Acq: 22 Mar 2022 22:39

Instrument :

BNA_F

ClientSampleId :

CP-BH1-031422-4-6

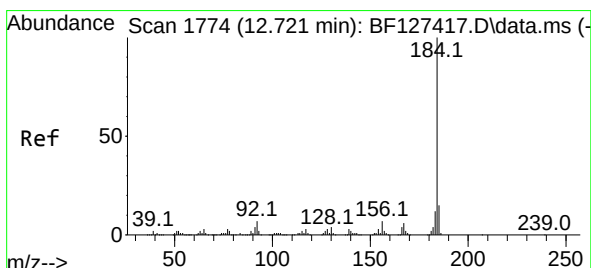
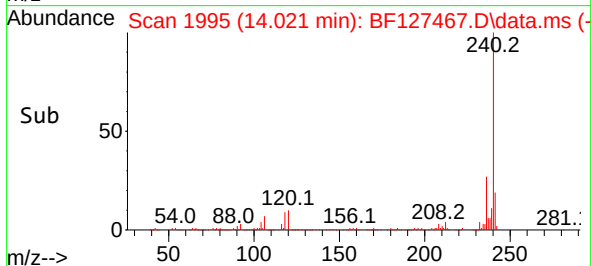
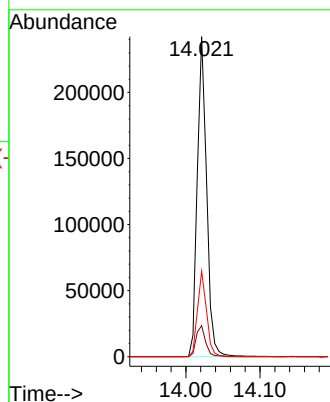
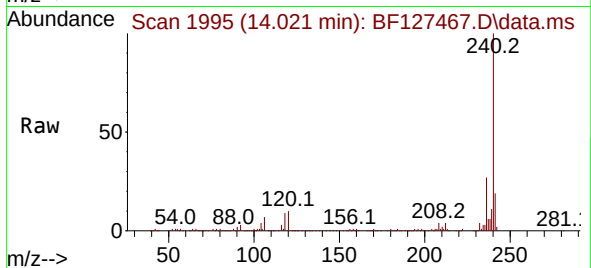
Tgt Ion:240 Resp: 211887

Ion Ratio Lower Upper

240 100

120 9.7 7.1 10.7

236 26.7 20.7 31.1



#77

Benzidine

Concen: 2.281 ng

RT: 12.957 min Scan# 1814

Delta R.T. 0.235 min

Lab File: BF127467.D

Acq: 22 Mar 2022 22:39

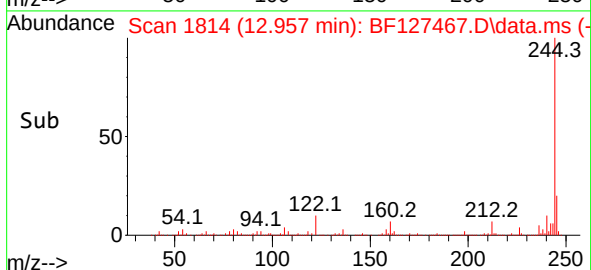
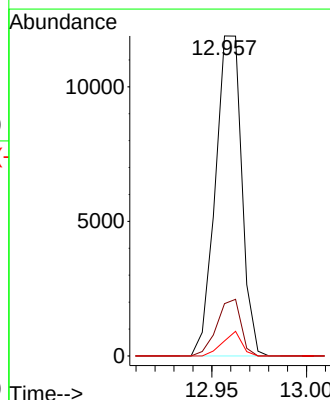
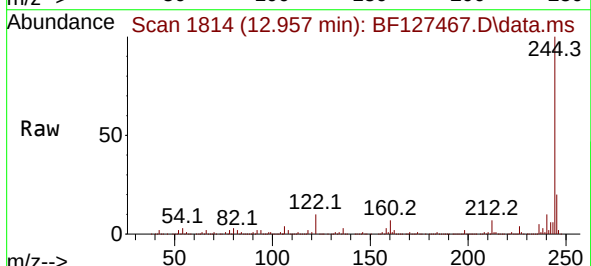
Tgt Ion:184 Resp: 11522

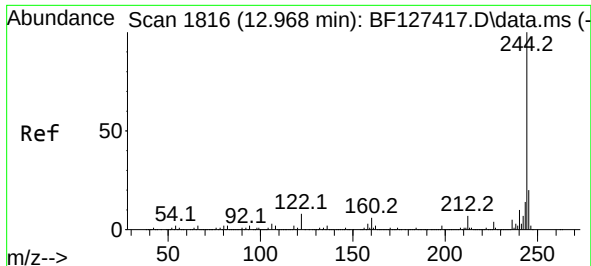
Ion Ratio Lower Upper

184 100

185 16.3 12.2 18.2

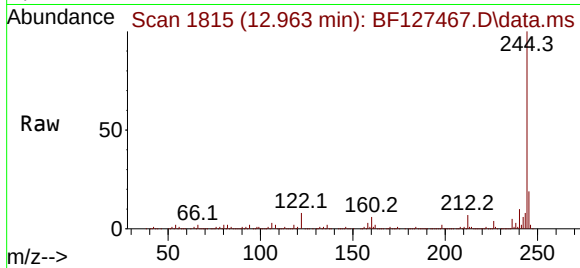
183 4.7 9.4 14.0#



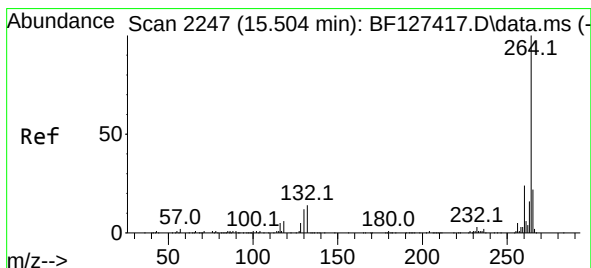
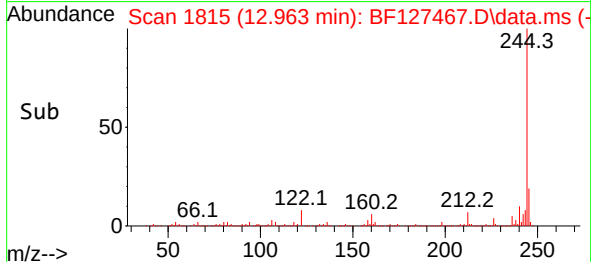
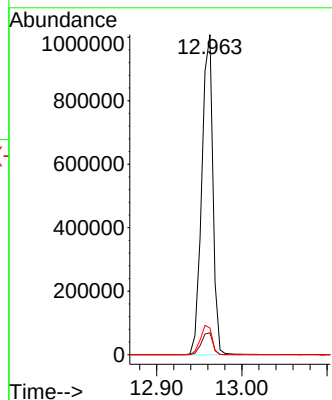


#79
 Terphenyl-d14
 Concen: 70.488 ng
 RT: 12.963 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF127467.D
 Acq: 22 Mar 2022 22:39

Instrument :
 BNA_F
 ClientSampleId :
 CP-BH1-031422-4-6



Tgt Ion:244 Resp: 912358
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 8.4 6.2 9.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2247
 Delta R.T. 0.000 min
 Lab File: BF127467.D
 Acq: 22 Mar 2022 22:39

Tgt Ion:264 Resp: 203677
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.1 28.7
 265 21.3 17.4 26.2

