

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032222\
 Data File : BF127449.D
 Acq On : 22 Mar 2022 13:45
 Operator : CG\JU
 Sample : PB143450BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB143450BL

Quant Time: Mar 23 03:00:47 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)

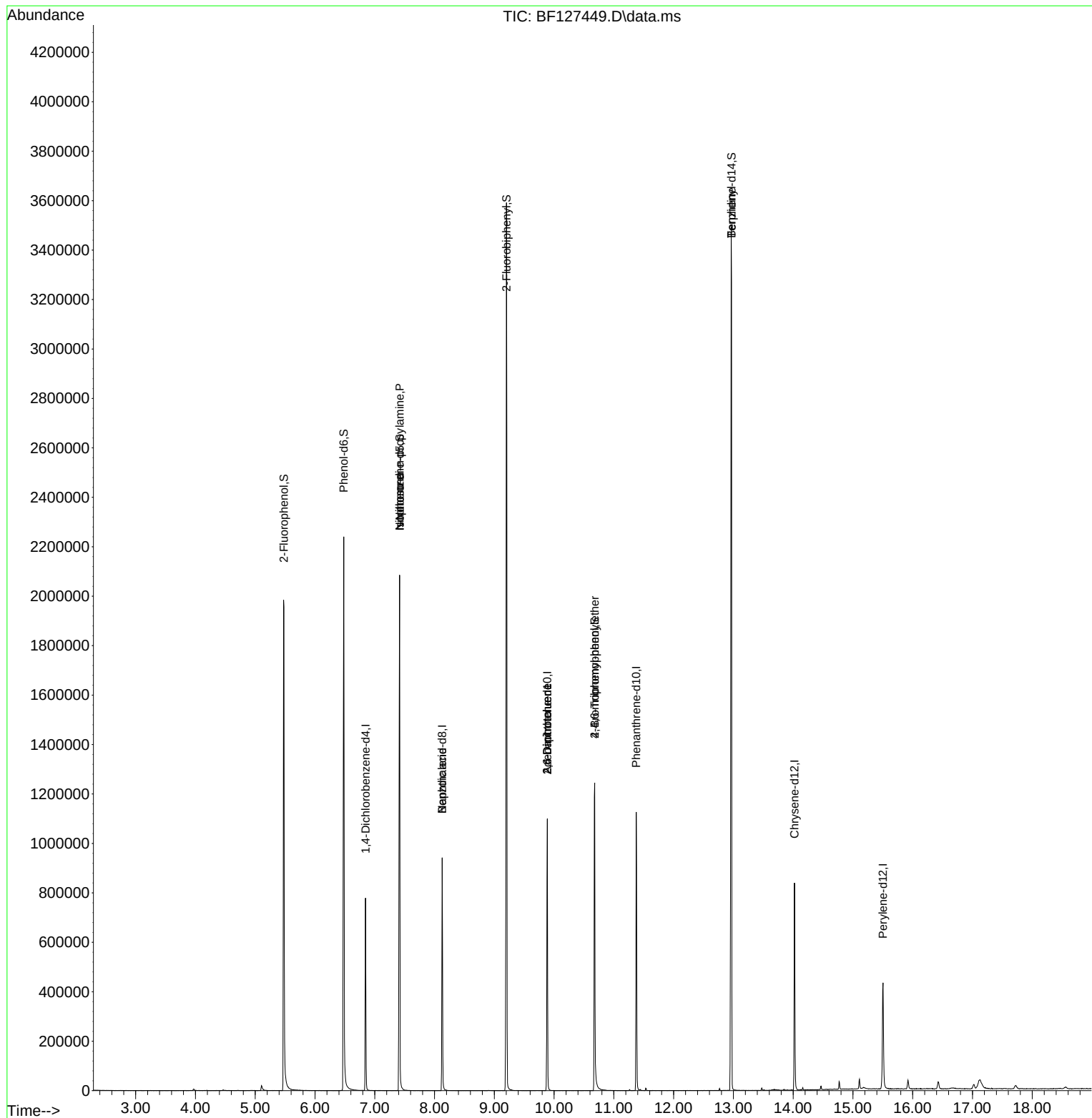
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	100949	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	373724	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	217655	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	402331	20.000	ng	0.00
76) Chrysene-d12	14.021	240	284178	20.000	ng	0.00
86) Perylene-d12	15.504	264	209363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	519986	82.221	ng	0.01
7) Phenol-d6	6.481	99	715276	82.741	ng	0.00
23) Nitrobenzene-d5	7.416	82	690135	78.936	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	153552	66.227	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1166087	78.232	ng	0.00
79) Terphenyl-d14	12.969	244	1387211	79.911	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	1047	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.416	70	92784	17.906	ng	# 81
25) Isophorone	7.416	82	690131	49.561	ng	# 70
32) Benzoic acid	8.128	122	58	6.059	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	28207	8.874	ng	# 17
55) Dibenzofuran	10.116	168	138	Below Cal	#	45
57) 2,4-Dinitrotoluene	9.886	165	28207	6.895	ng	# 13
58) Fluorene	10.675	166	5956	Below Cal	#	83
67) 4-Bromophenyl-phenylether	10.680	248	10384	2.211	ng	# 1
77) Benzidine	12.969	184	17381	2.565	ng	# 94

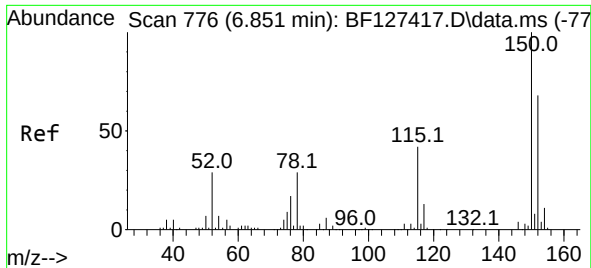
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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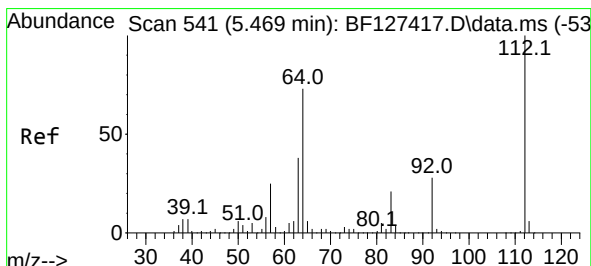
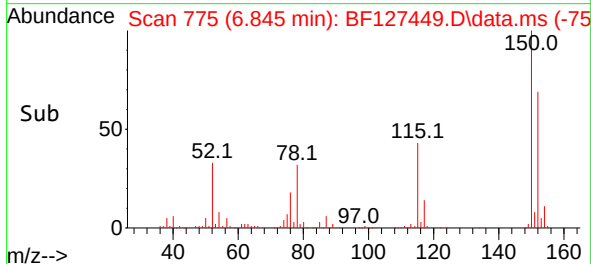
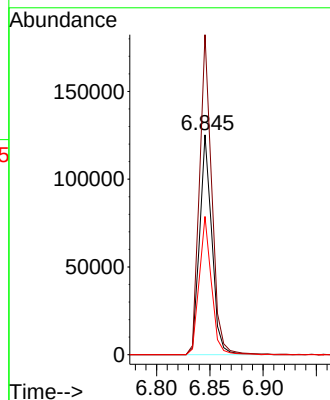
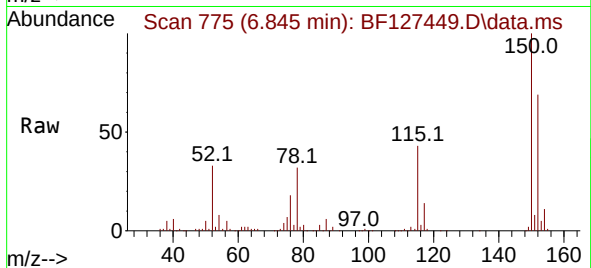




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF127449.D
 Acq: 22 Mar 2022 13:45

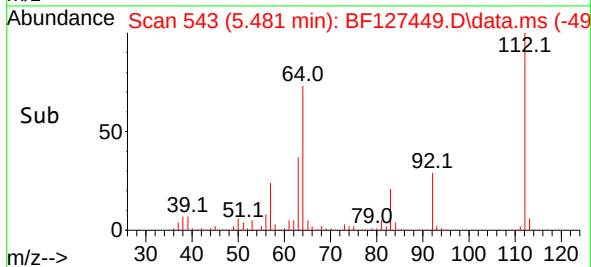
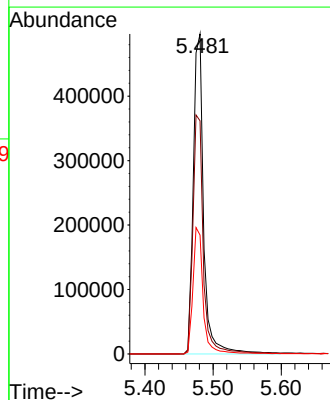
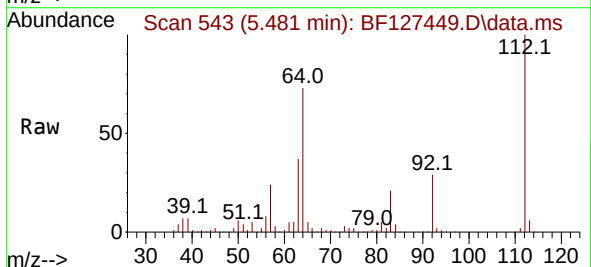
Instrument :
 BNA_F
 ClientSampleId :
 PB143450BL

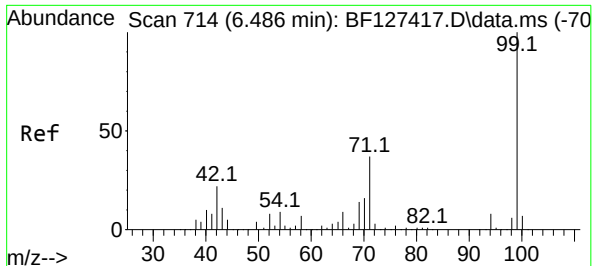
Tgt Ion:152 Resp: 100949
 Ion Ratio Lower Upper
 152 100
 150 145.6 117.2 175.8
 115 62.9 49.8 74.6



#5
 2-Fluorophenol
 Concen: 82.221 ng
 RT: 5.481 min Scan# 543
 Delta R.T. 0.012 min
 Lab File: BF127449.D
 Acq: 22 Mar 2022 13:45

Tgt Ion:112 Resp: 519986
 Ion Ratio Lower Upper
 112 100
 64 72.9 58.4 87.6
 63 37.2 30.1 45.1





#7

Phenol-d6

Concen: 82.741 ng

RT: 6.481 min Scan# 713

Delta R.T. -0.006 min

Lab File: BF127449.D

Acq: 22 Mar 2022 13:45

Instrument :

BNA_F

ClientSampleId :

PB143450BL

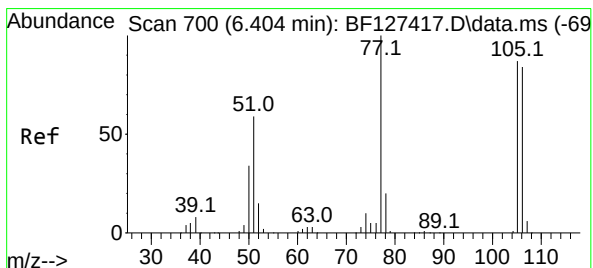
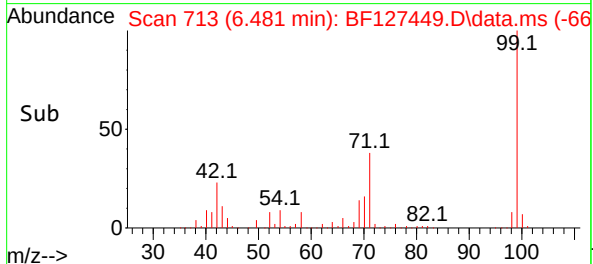
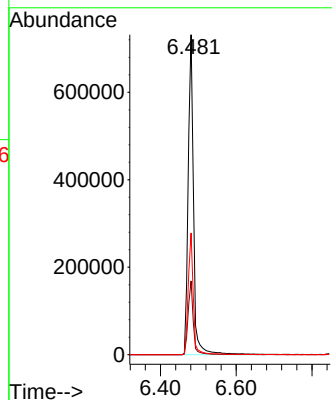
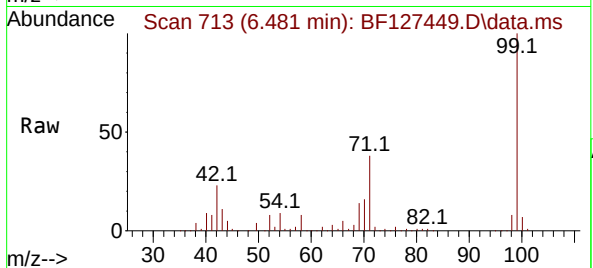
Tgt Ion: 99 Resp: 715276

Ion Ratio Lower Upper

99 100

42 23.0 17.8 26.6

71 38.0 29.6 44.4



#9

Benzaldehyde

Concen: Below Cal

RT: 6.481 min Scan# 713

Delta R.T. 0.077 min

Lab File: BF127449.D

Acq: 22 Mar 2022 13:45

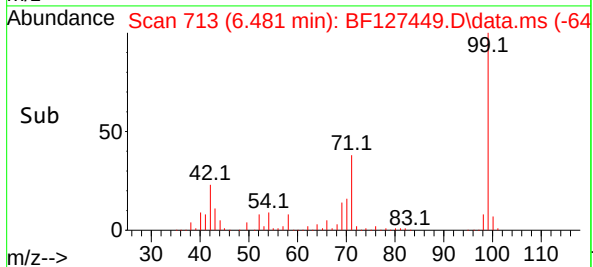
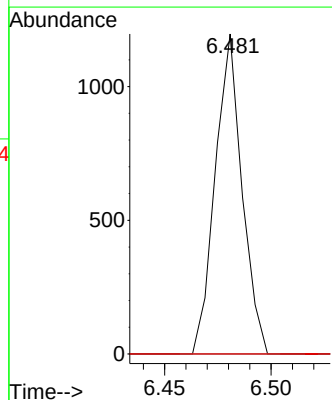
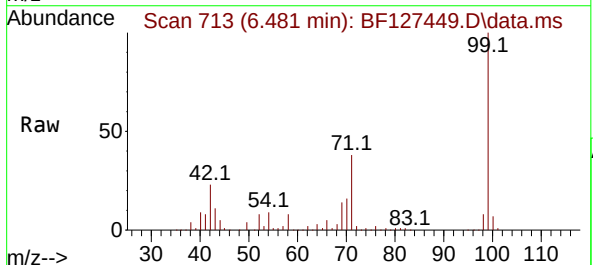
Tgt Ion: 77 Resp: 1047

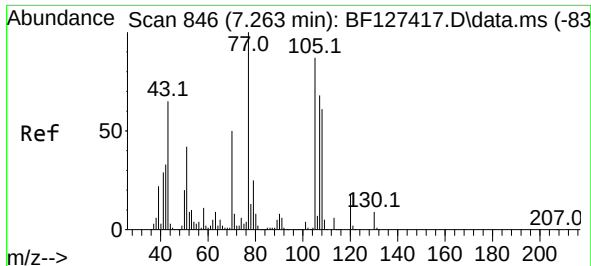
Ion Ratio Lower Upper

77 100

105 0.0 66.8 106.8#

106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 17.906 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127449.D

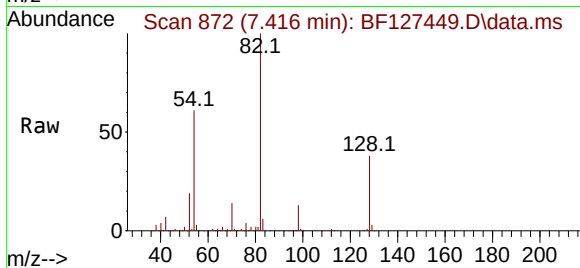
Acq: 22 Mar 2022 13:45

Instrument :

BNA_F

ClientSampleId :

PB143450BL



Tgt Ion: 70 Resp: 92784

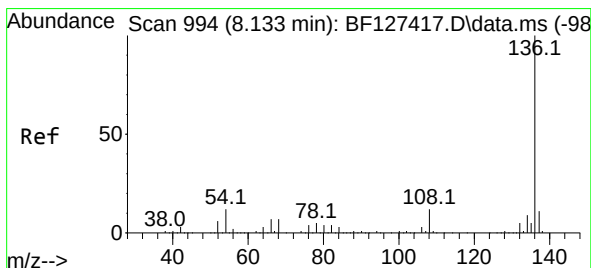
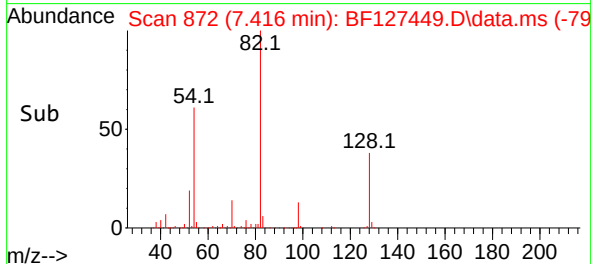
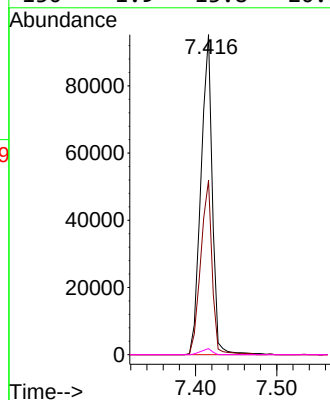
Ion Ratio Lower Upper

70 100

42 54.5 53.0 79.6

101 0.0 6.8 10.2#

130 1.9 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: BF127449.D

Acq: 22 Mar 2022 13:45

Tgt Ion: 136 Resp: 373724

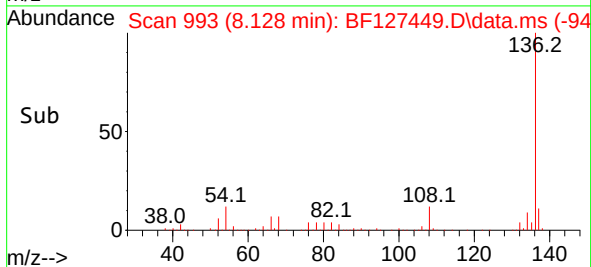
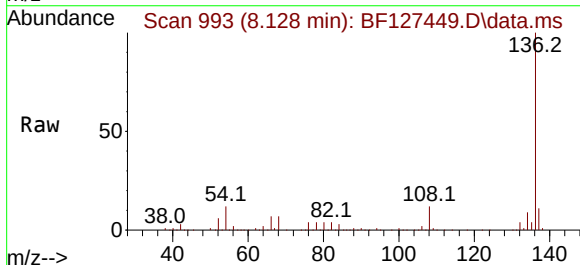
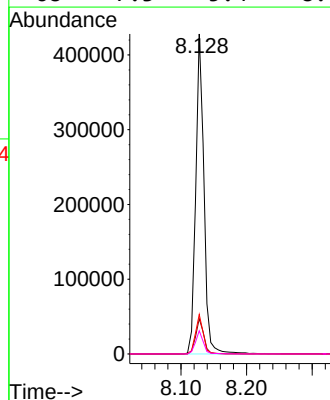
Ion Ratio Lower Upper

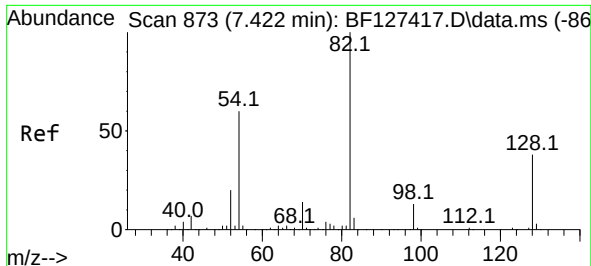
136 100

137 11.0 8.6 13.0

54 12.4 9.2 13.8

68 7.3 5.4 8.0





#23

Nitrobenzene-d5

Concen: 78.936 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127449.D

Acq: 22 Mar 2022 13:45

Instrument :

BNA_F

ClientSampleId :

PB143450BL

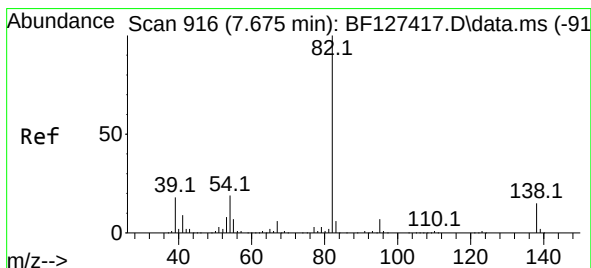
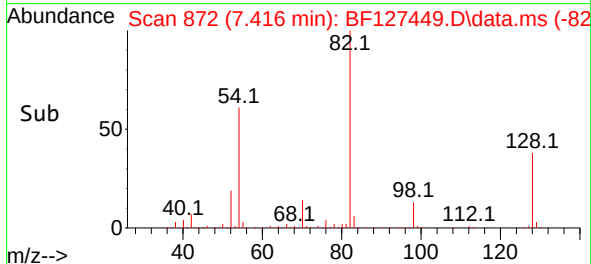
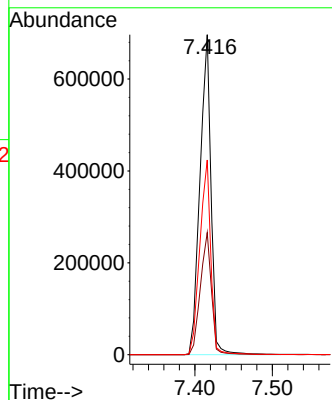
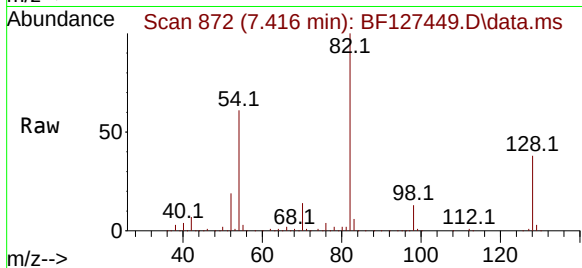
Tgt Ion: 82 Resp: 690135

Ion Ratio Lower Upper

82 100

128 38.1 30.6 45.8

54 60.9 48.2 72.2



#25

Isophorone

Concen: 49.561 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.259 min

Lab File: BF127449.D

Acq: 22 Mar 2022 13:45

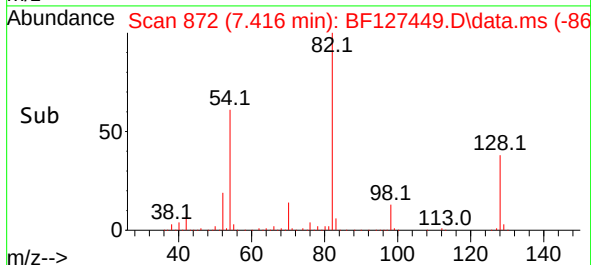
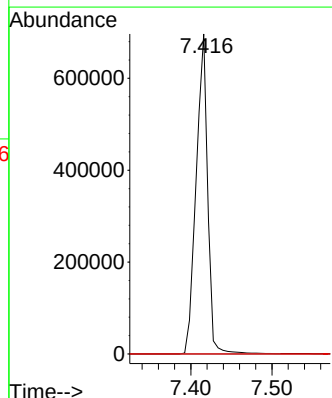
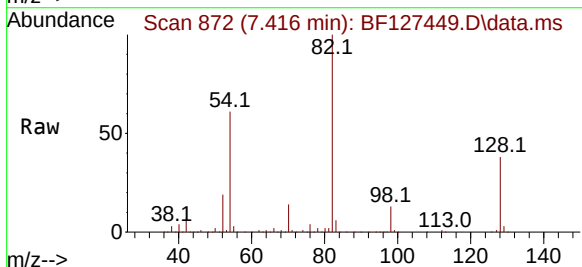
Tgt Ion: 82 Resp: 690131

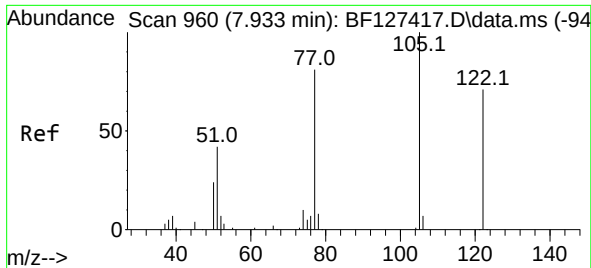
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

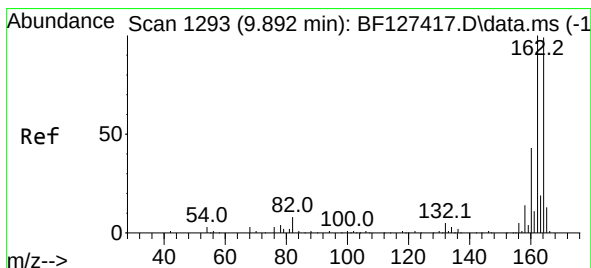
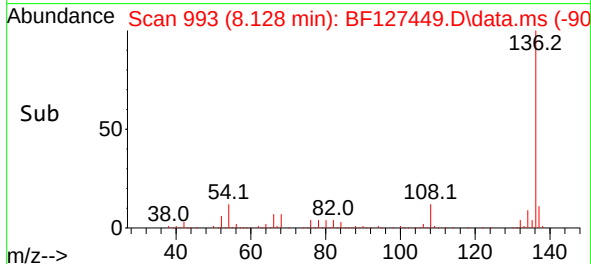
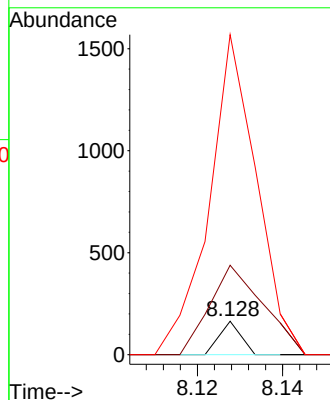
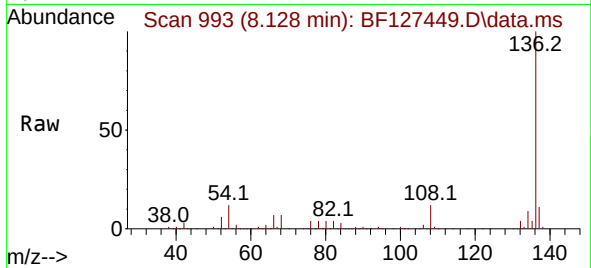




#32
Benzoic acid
Concen: 6.059 ng
RT: 8.128 min Scan# 91
Delta R.T. 0.195 min
Lab File: BF127449.D
Acq: 22 Mar 2022 13:45

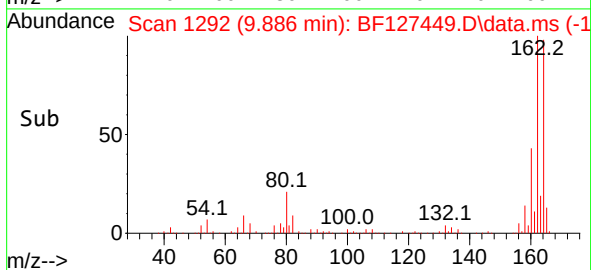
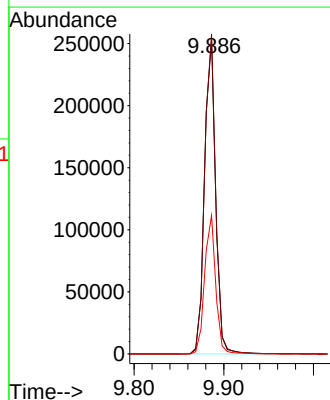
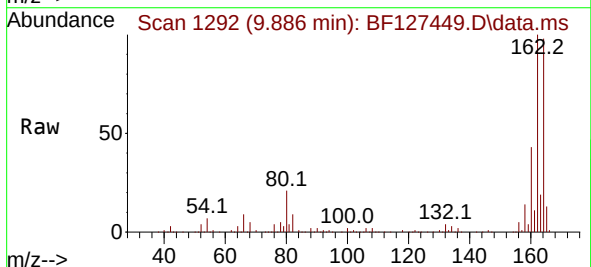
Instrument :
BNA_F
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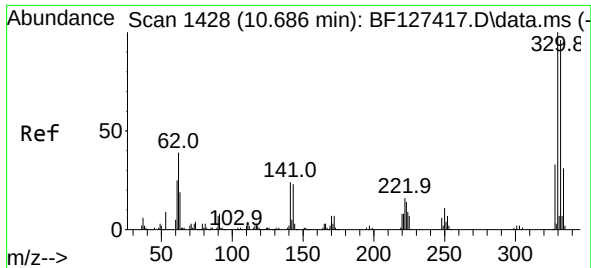
Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 267.7 117.1 157.1#
77 956.7 93.0 133.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127449.D
Acq: 22 Mar 2022 13:45

Tgt Ion:164 Resp: 217655
Ion Ratio Lower Upper
164 100
162 101.9 81.2 121.8
160 44.1 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 66.227 ng

RT: 10.680 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF127449.D

Acq: 22 Mar 2022 13:45

Instrument :

BNA_F

ClientSampleId :

PB143450BL

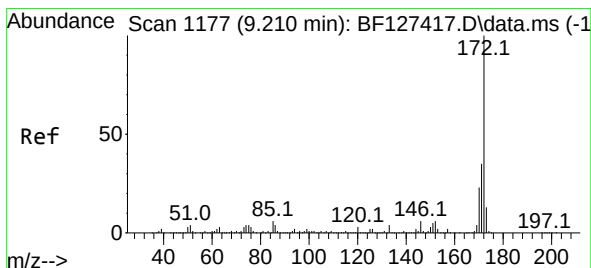
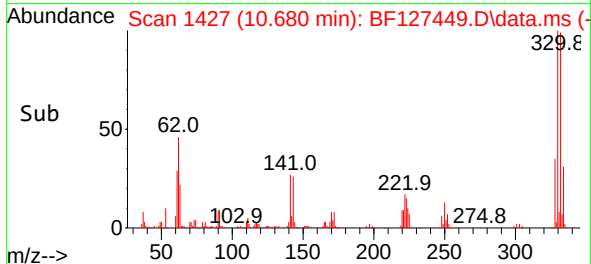
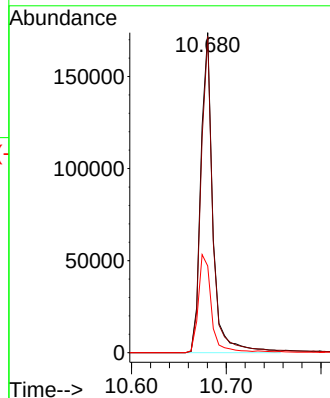
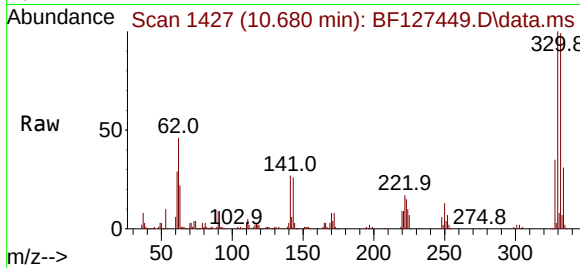
Tgt Ion:330 Resp: 153552

Ion Ratio Lower Upper

330 100

332 97.9 79.1 118.7

141 34.5 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 78.232 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127449.D

Acq: 22 Mar 2022 13:45

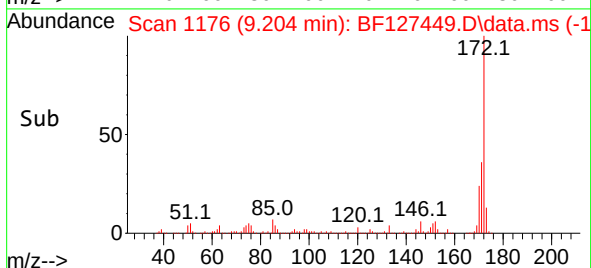
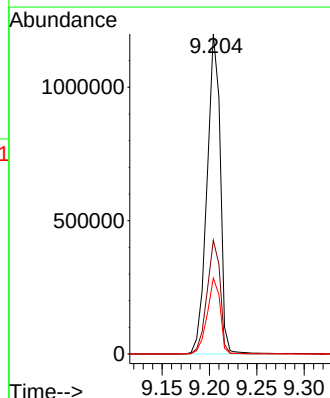
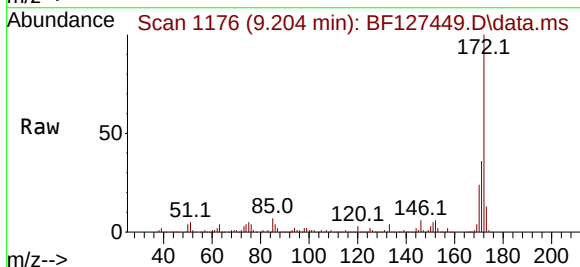
Tgt Ion:172 Resp: 1166087

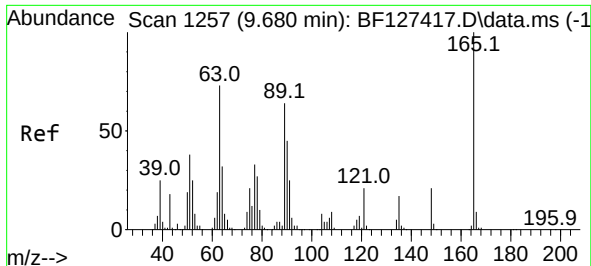
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.7 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.874 ng

RT: 9.886 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF127449.D

Acq: 22 Mar 2022 13:45

Instrument :

BNA_F

ClientSampleId :

PB143450BL

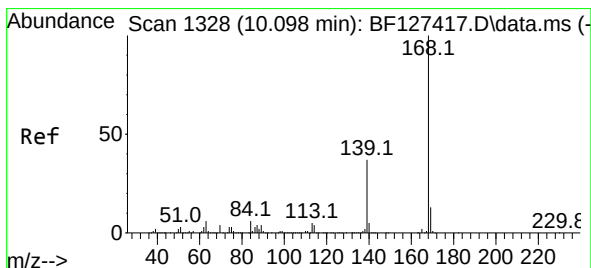
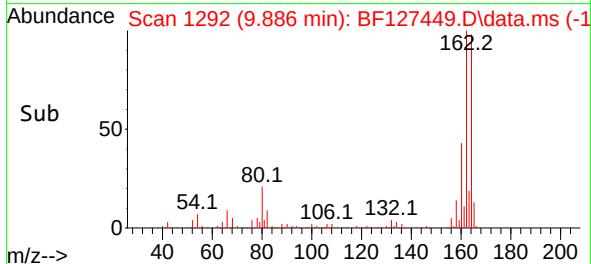
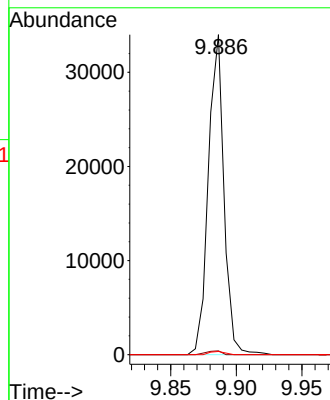
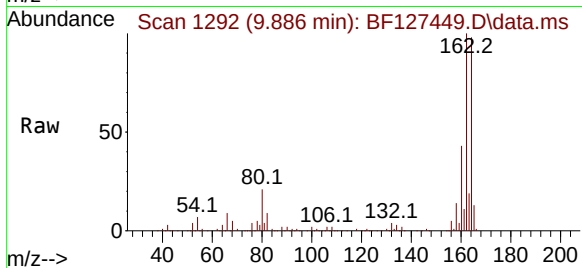
Tgt Ion:165 Resp: 28207

Ion Ratio Lower Upper

165 100

63 1.2 58.3 87.5#

89 1.0 51.5 77.3#



#55

Dibenzofuran

Concen: Below Cal

RT: 10.116 min Scan# 1331

Delta R.T. 0.018 min

Lab File: BF127449.D

Acq: 22 Mar 2022 13:45

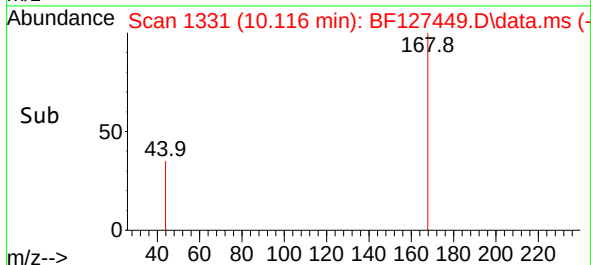
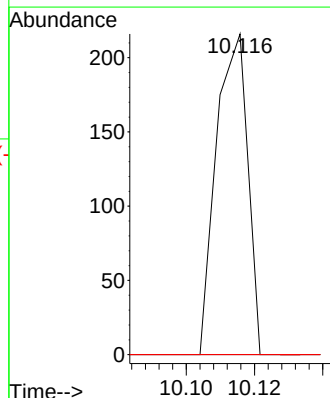
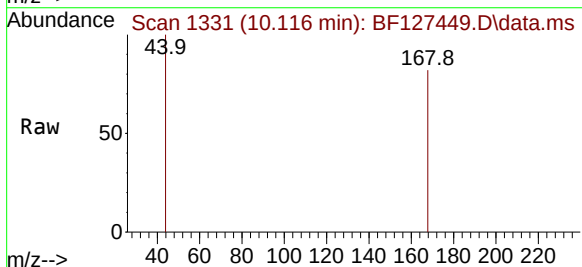
Tgt Ion:168 Resp: 138

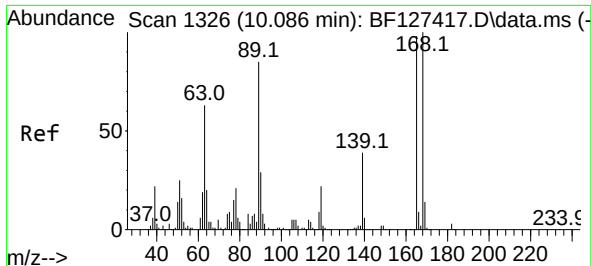
Ion Ratio Lower Upper

168 100

139 0.0 30.3 45.5#

169 0.0 10.8 16.2#

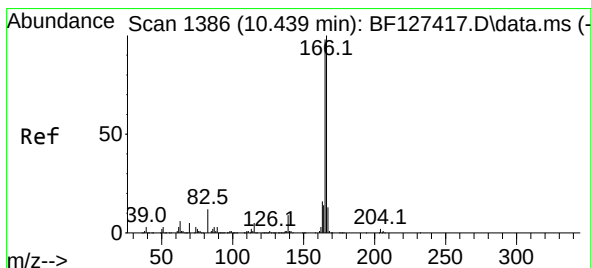
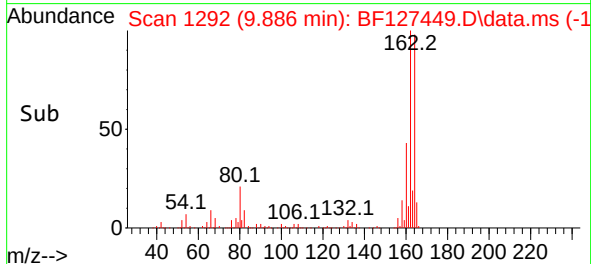
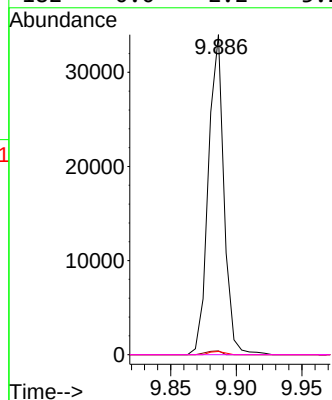
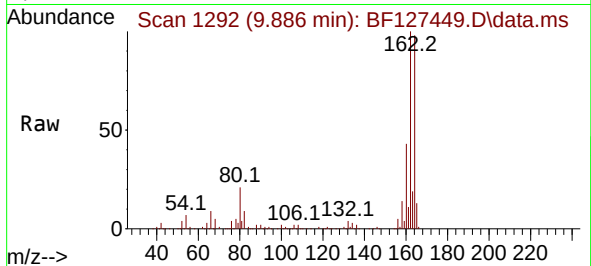




#57
2,4-Dinitrotoluene
Concen: 6.895 ng
RT: 9.886 min Scan# 1426
Delta R.T. -0.200 min
Lab File: BF127449.D
Acq: 22 Mar 2022 13:45

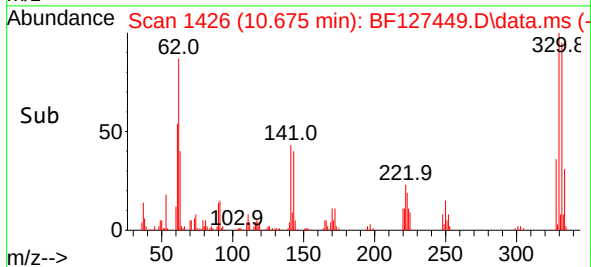
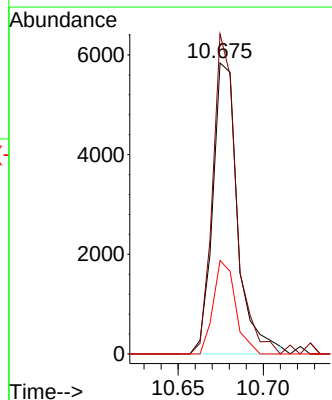
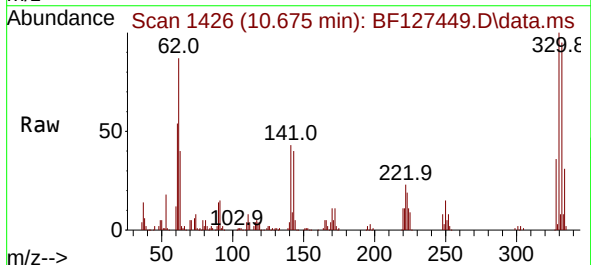
Instrument :
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ClientSampleId :
PB143450BL

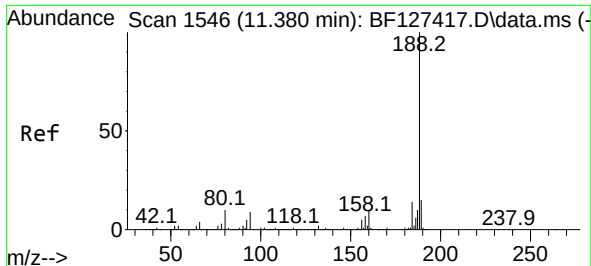
Tgt Ion:165 Resp: 28207
Ion Ratio Lower Upper
165 100
63 1.2 53.1 79.7#
89 1.0 69.2 103.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: Below Cal
RT: 10.675 min Scan# 1426
Delta R.T. 0.236 min
Lab File: BF127449.D
Acq: 22 Mar 2022 13:45

Tgt Ion:166 Resp: 5956
Ion Ratio Lower Upper
166 100
165 110.0 78.1 117.1
167 32.1 10.5 15.7#

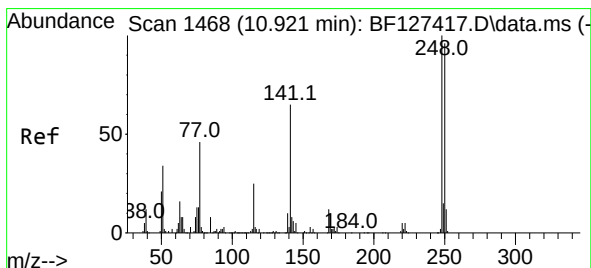
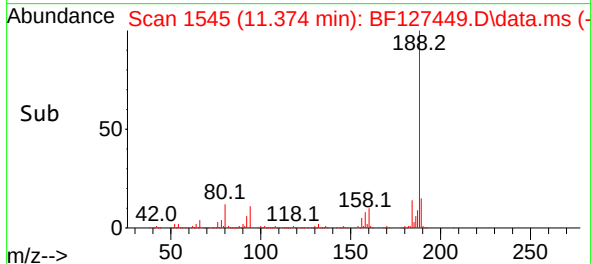
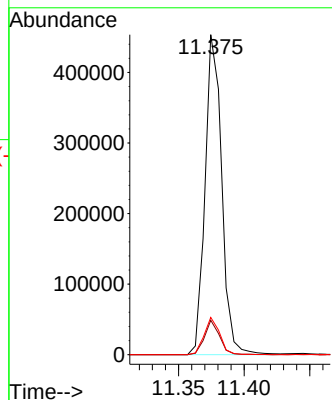
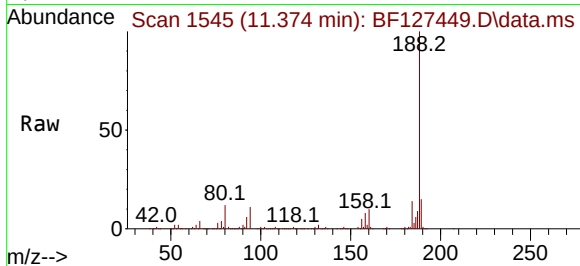




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127449.D
Acq: 22 Mar 2022 13:45

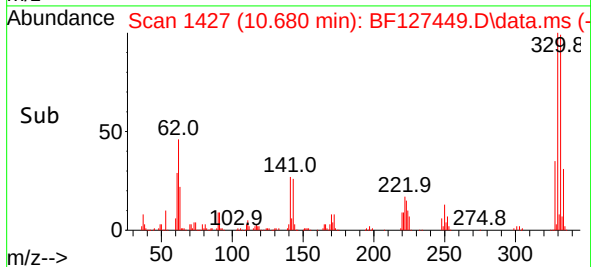
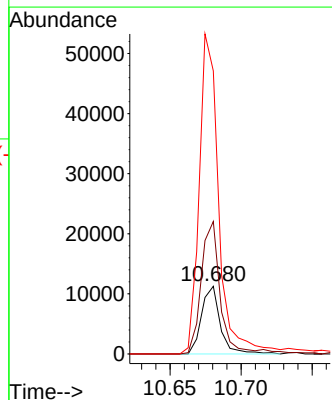
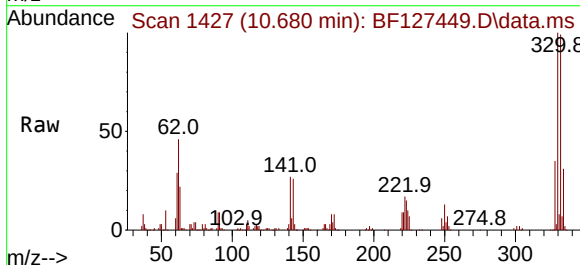
Instrument :
BNA_F
ClientSampleId :
PB143450BL

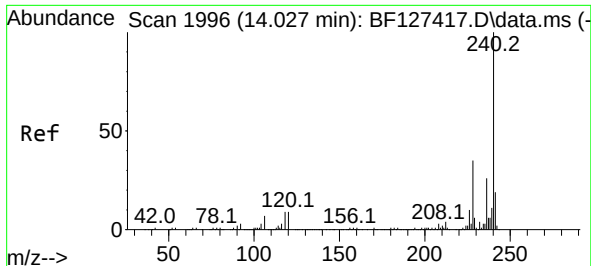
Tgt Ion:188 Resp: 402331
Ion Ratio Lower Upper
188 100
94 10.8 7.4 11.0
80 11.6 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 2.211 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.241 min
Lab File: BF127449.D
Acq: 22 Mar 2022 13:45

Tgt Ion:248 Resp: 10384
Ion Ratio Lower Upper
248 100
250 195.8 76.6 115.0#
141 418.2 52.2 78.2#

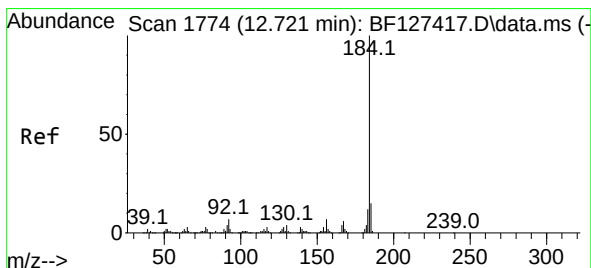
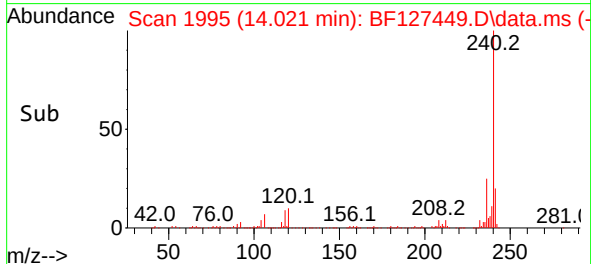
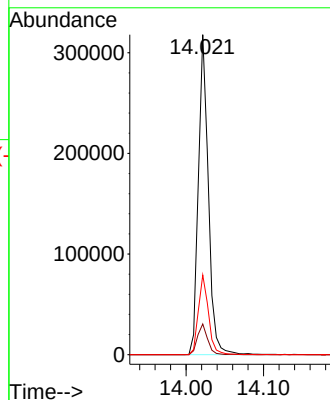
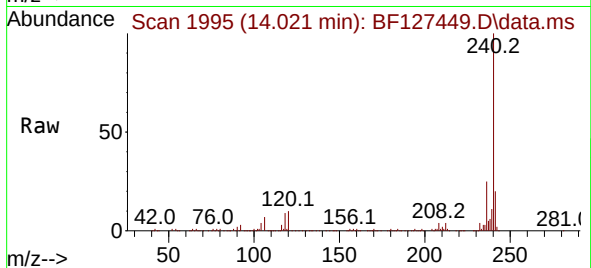




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF127449.D
Acq: 22 Mar 2022 13:45

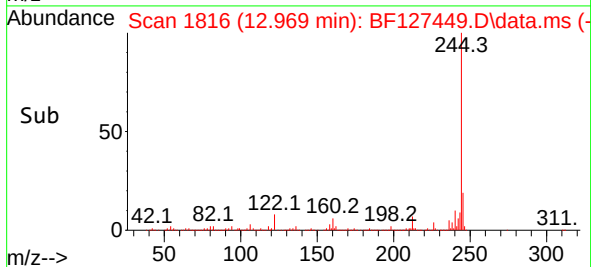
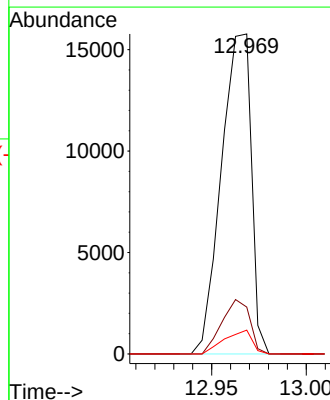
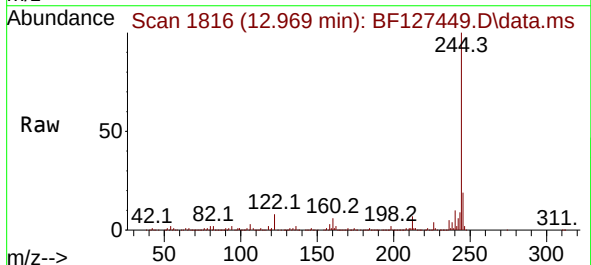
Instrument :
BNA_F
ClientSampleId :
PB143450BL

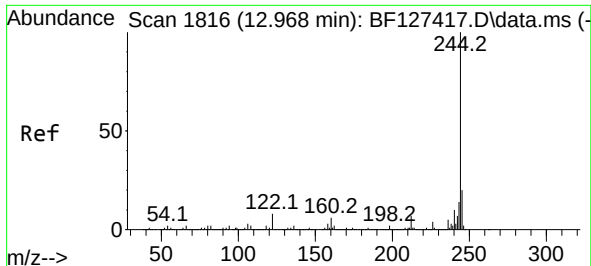
Tgt Ion:240 Resp: 284178
Ion Ratio Lower Upper
240 100
120 9.6 7.1 10.7
236 24.9 20.7 31.1



#77
Benzidine
Concen: 2.565 ng
RT: 12.969 min Scan# 1816
Delta R.T. 0.247 min
Lab File: BF127449.D
Acq: 22 Mar 2022 13:45

Tgt Ion:184 Resp: 17381
Ion Ratio Lower Upper
184 100
185 14.6 12.2 18.2
183 7.4 9.4 14.0#

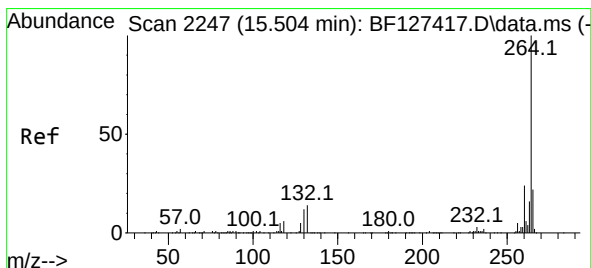
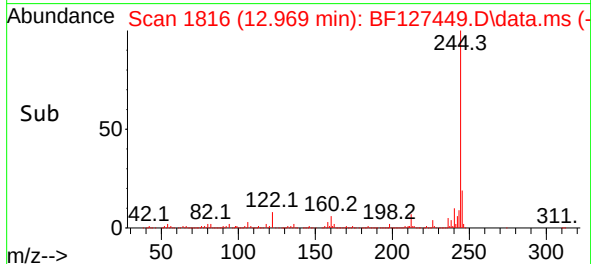
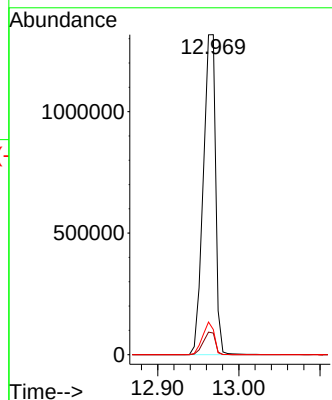
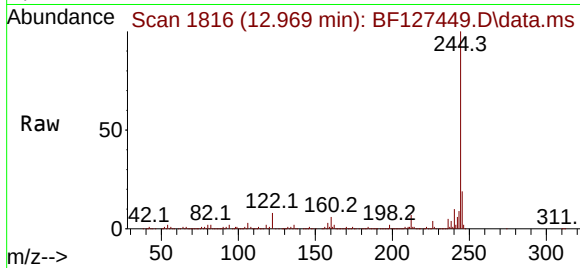




#79
 Terphenyl-d14
 Concen: 79.911 ng
 RT: 12.969 min Scan# 1816
 Delta R.T. 0.000 min
 Lab File: BF127449.D
 Acq: 22 Mar 2022 13:45

Instrument :
 BNA_F
 ClientSampleId :
 PB143450BL

Tgt Ion:244 Resp: 1387211
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 7.8 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: BF127449.D
 Acq: 22 Mar 2022 13:45

Tgt Ion:264 Resp: 209363
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.1 28.7
 265 21.0 17.4 26.2

