

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
 Data File : BF127571.D
 Acq On : 29 Mar 2022 17:56
 Operator : CG\JU
 Sample : N2157-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHD

Quant Time: Mar 30 08:32:10 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 29 07:13:31 2022
 Response via : Initial Calibration

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

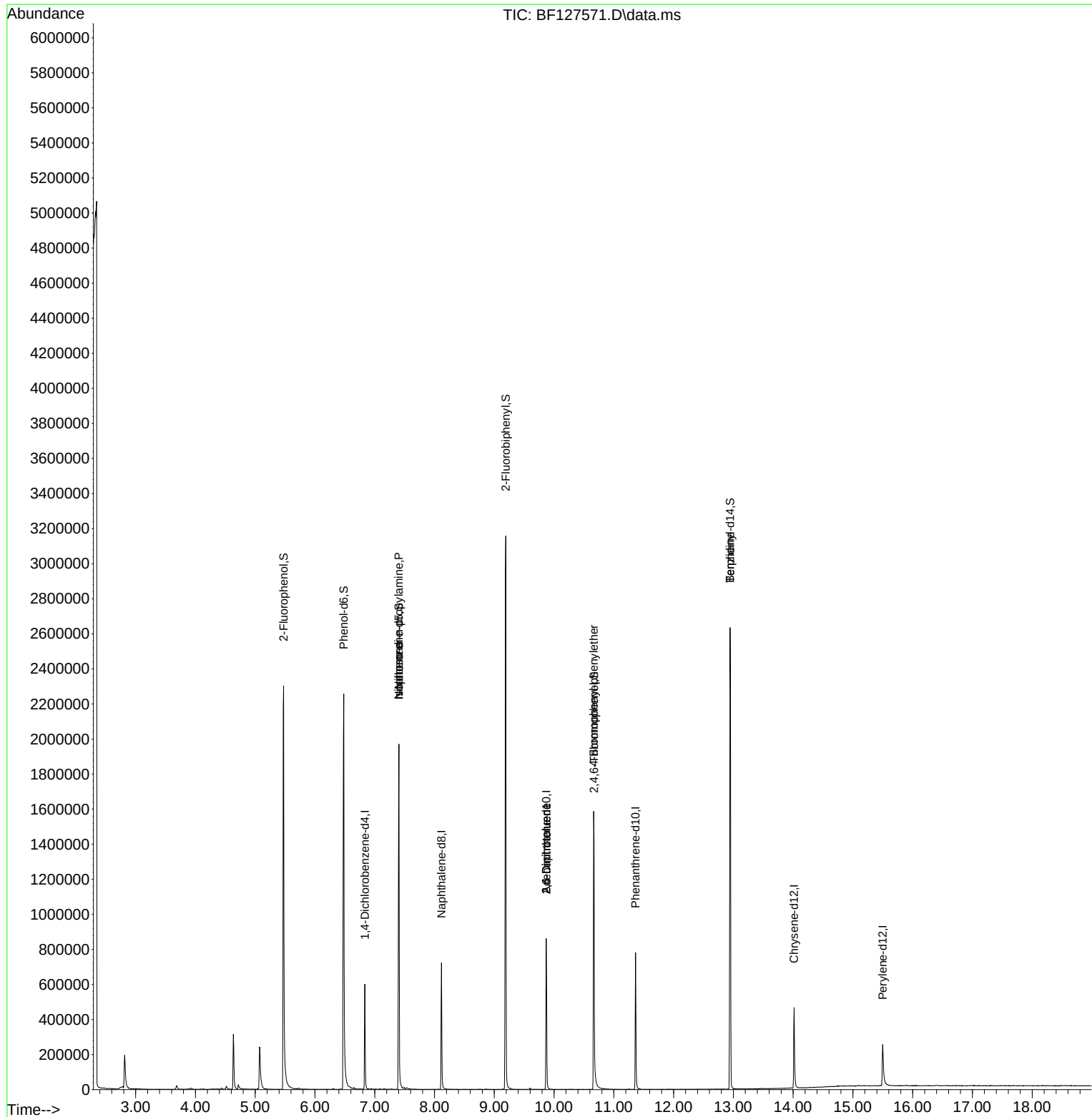
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	81285	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	298523	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	169317	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	275330	20.000	ng	0.00
76) Chrysene-d12	14.016	240	186906	20.000	ng	0.00
86) Perylene-d12	15.498	264	140528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	653801	128.389	ng	0.02
7) Phenol-d6	6.481	99	826374	118.718	ng	0.00
23) Nitrobenzene-d5	7.404	82	630583	90.294	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	206310	114.384	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1050211	90.573	ng	0.00
79) Terphenyl-d14	12.945	244	946170	82.870	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.481	77	1383	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.404	70	85393	20.466 ng	#	78
25) Isophorone	7.404	82	630648	56.698 ng	#	70
51) 2,6-Dinitrotoluene	9.869	165	21137	8.549 ng	#	17
55) Dibenzofuran	10.092	168	64	Below Cal	#	45
57) 2,4-Dinitrotoluene	9.869	165	21137	6.641 ng	#	13
58) Fluorene	10.663	166	8363	Below Cal	#	89
67) 4-Bromophenyl-phenylether	10.663	248	13329	4.146 ng	#	1
77) Benzidine	12.945	184	11795	2.647 ng	#	93

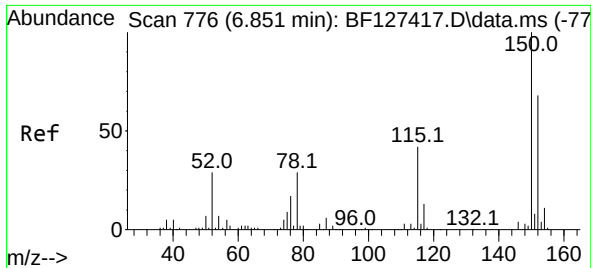
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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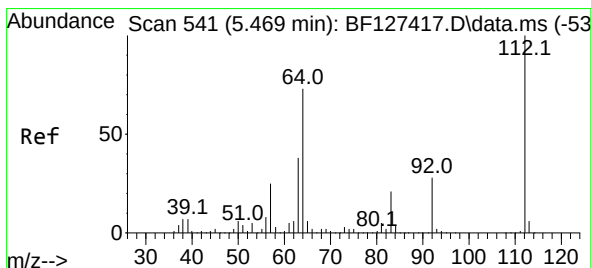
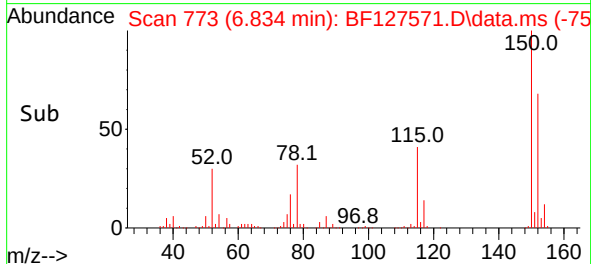
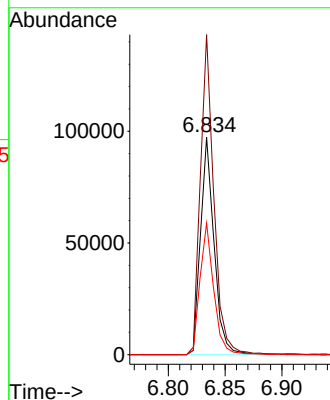
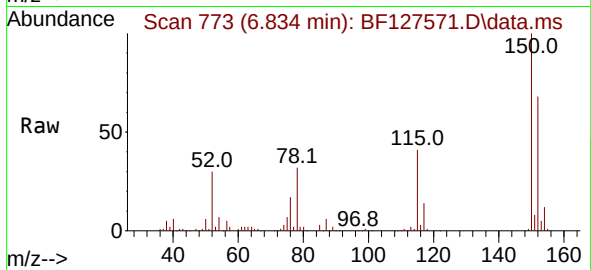




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127571.D
Acq: 29 Mar 2022 17:56

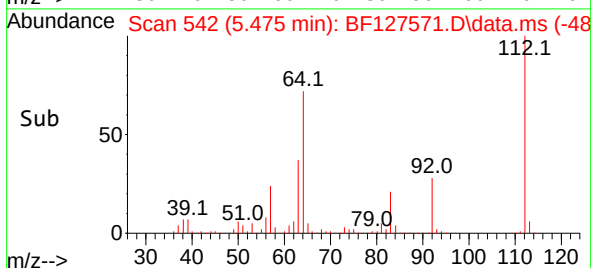
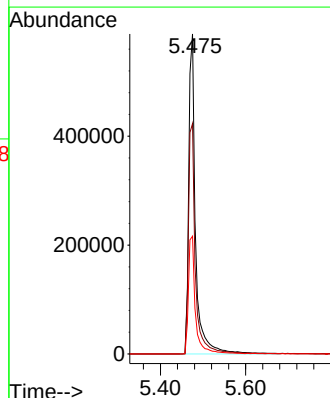
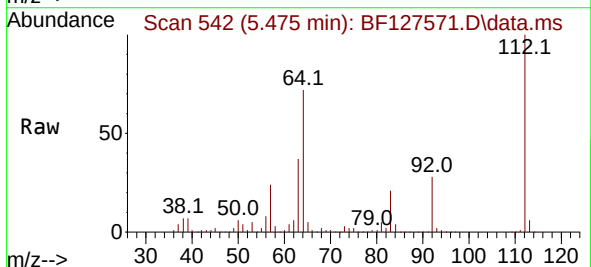
Instrument :
BNA_F
ClientSampleId :
MHD

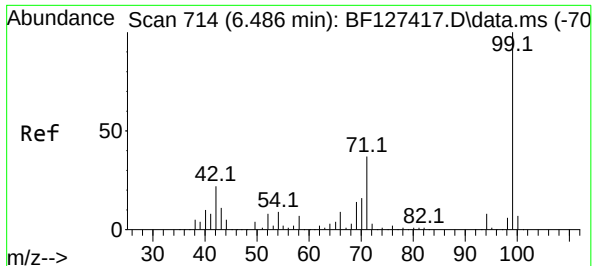
Tgt Ion:152 Resp: 81285
Ion Ratio Lower Upper
152 100
150 147.0 117.2 175.8
115 60.5 49.8 74.6



#5
2-Fluorophenol
Concen: 128.389 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.018 min
Lab File: BF127571.D
Acq: 29 Mar 2022 17:56

Tgt Ion:112 Resp: 653801
Ion Ratio Lower Upper
112 100
64 71.9 58.4 87.6
63 36.8 30.1 45.1





#7

Phenol-d6

Concen: 118.718 ng

RT: 6.481 min Scan# 713

Delta R.T. 0.000 min

Lab File: BF127571.D

Acq: 29 Mar 2022 17:56

Instrument :

BNA_F

ClientSampleId :

MHD

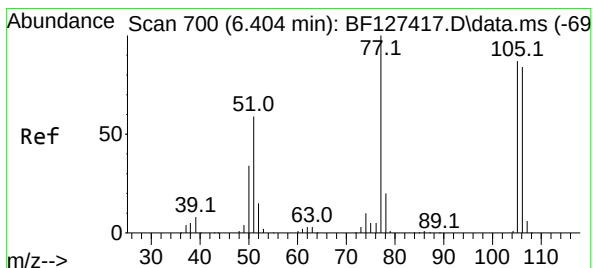
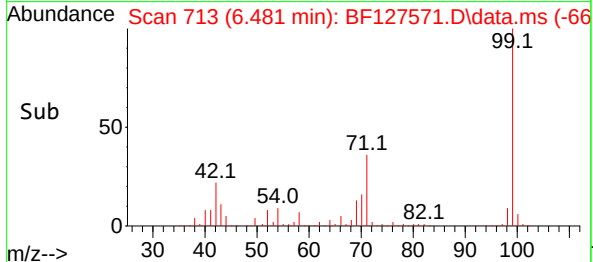
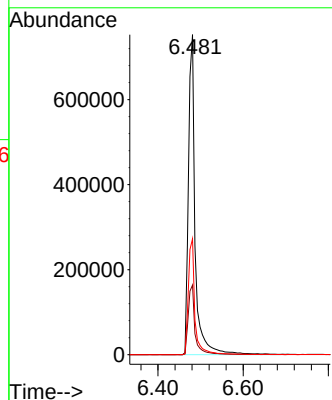
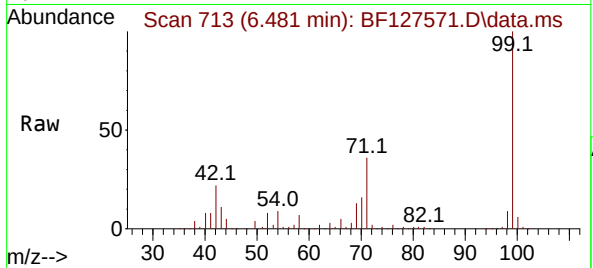
Tgt Ion: 99 Resp: 826374

Ion Ratio Lower Upper

99 100

42 21.7 17.8 26.6

71 36.2 29.6 44.4



#9

Benzaldehyde

Concen: Below Cal

RT: 6.481 min Scan# 713

Delta R.T. 0.088 min

Lab File: BF127571.D

Acq: 29 Mar 2022 17:56

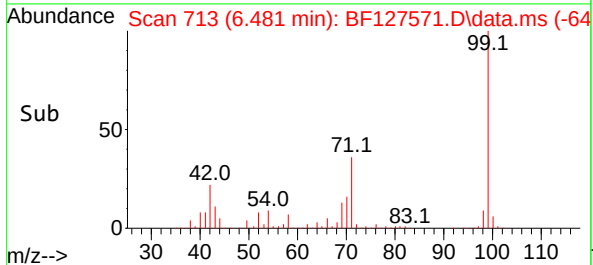
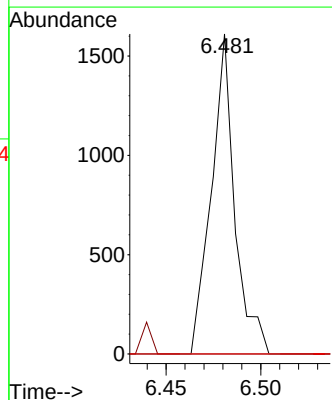
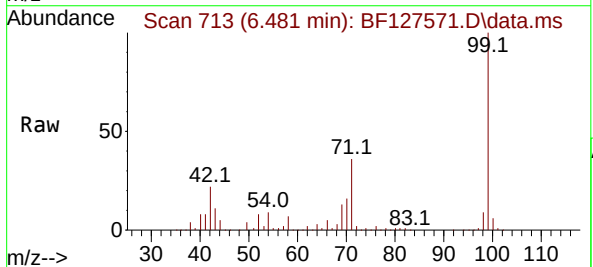
Tgt Ion: 77 Resp: 1383

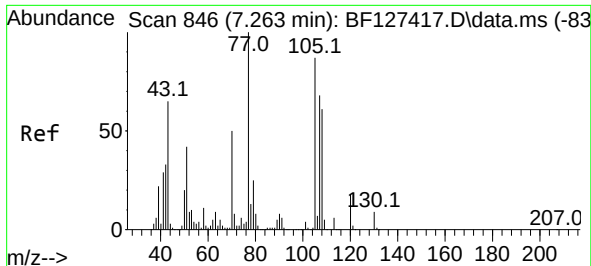
Ion Ratio Lower Upper

77 100

105 0.0 66.8 106.8#

106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 20.466 ng

RT: 7.404 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127571.D

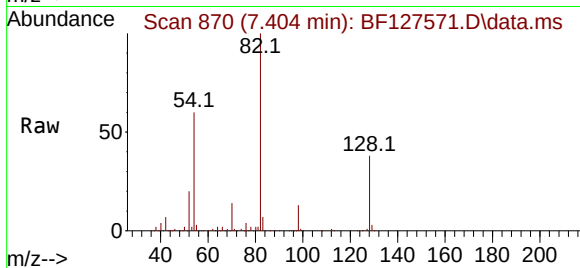
Acq: 29 Mar 2022 17:56

Instrument :

BNA_F

ClientSampleId :

MHD



Tgt Ion: 70 Resp: 85393

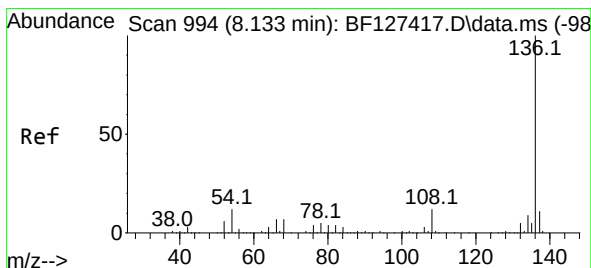
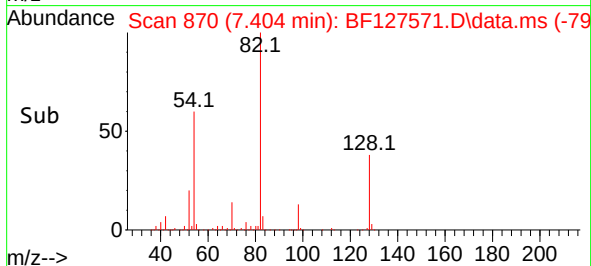
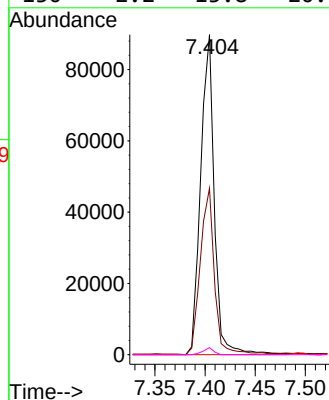
Ion Ratio Lower Upper

70 100

42 52.0 53.0 79.6#

101 0.0 6.8 10.2#

130 2.2 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF127571.D

Acq: 29 Mar 2022 17:56

Tgt Ion: 136 Resp: 298523

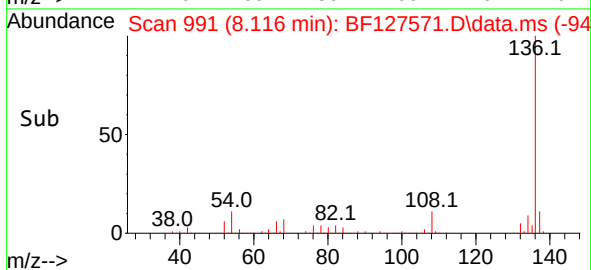
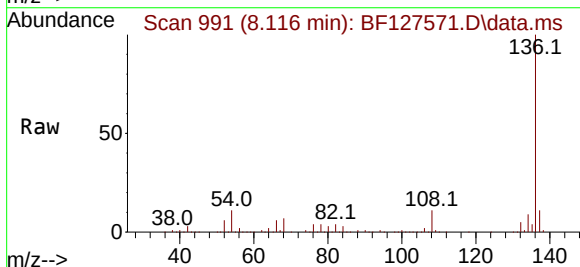
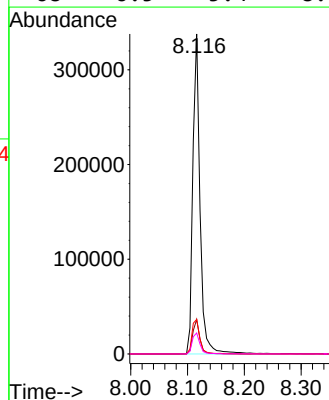
Ion Ratio Lower Upper

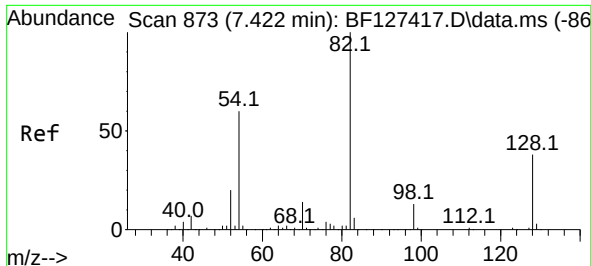
136 100

137 10.8 8.6 13.0

54 10.8 9.2 13.8

68 6.5 5.4 8.0





#23

Nitrobenzene-d5

Concen: 90.294 ng

RT: 7.404 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127571.D

Acq: 29 Mar 2022 17:56

Instrument :

BNA_F

ClientSampleId :

MHD

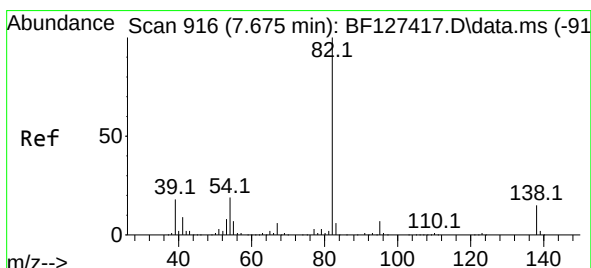
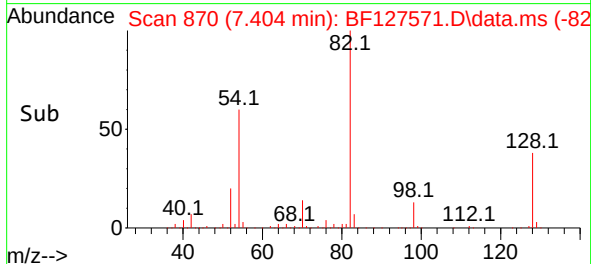
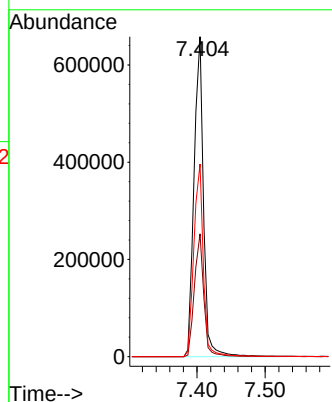
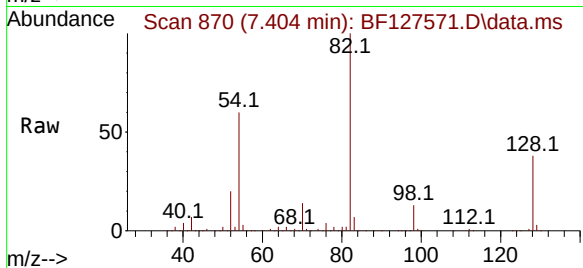
Tgt Ion: 82 Resp: 630583

Ion Ratio Lower Upper

82 100

128 38.4 30.6 45.8

54 60.2 48.2 72.2



#25

Isophorone

Concen: 56.698 ng

RT: 7.404 min Scan# 870

Delta R.T. -0.259 min

Lab File: BF127571.D

Acq: 29 Mar 2022 17:56

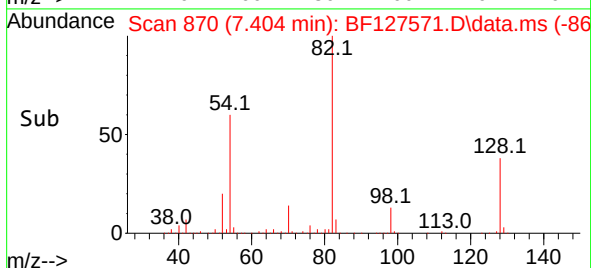
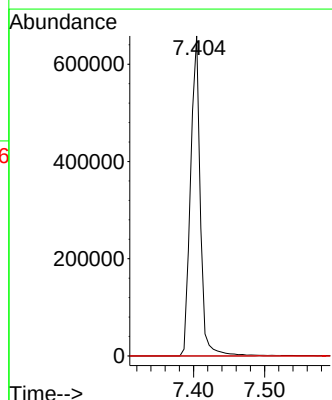
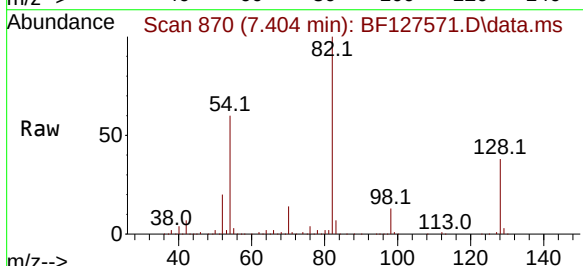
Tgt Ion: 82 Resp: 630648

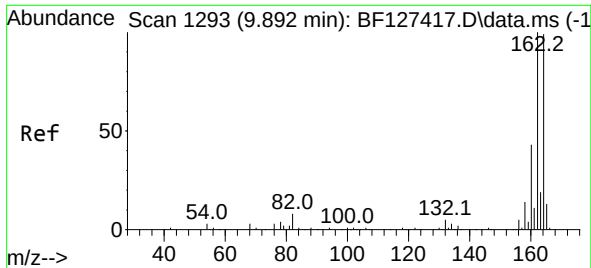
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

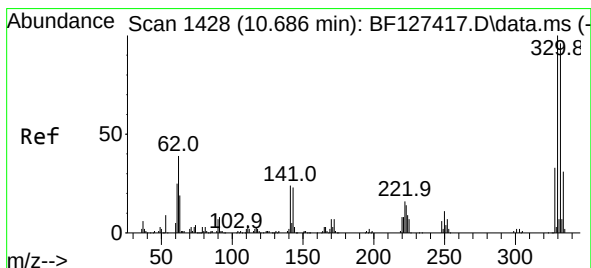
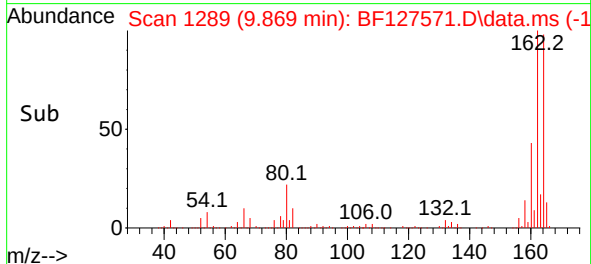
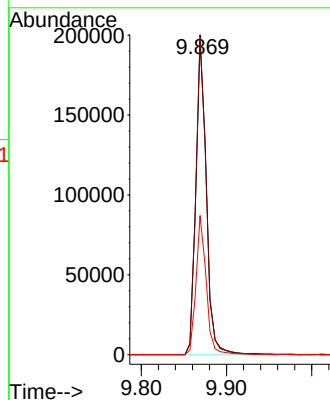
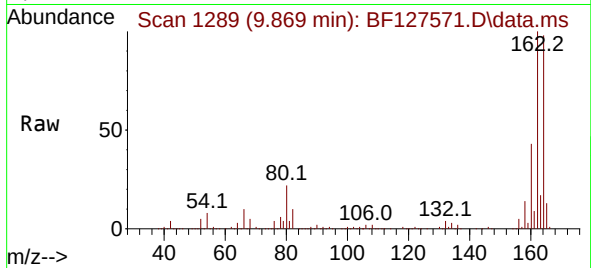




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF127571.D
Acq: 29 Mar 2022 17:56

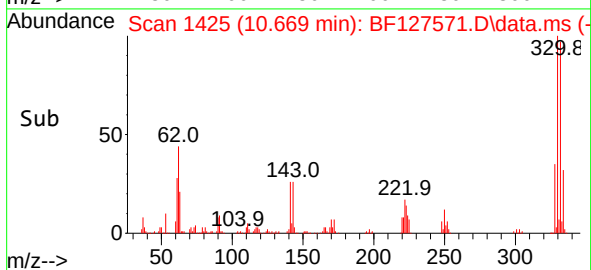
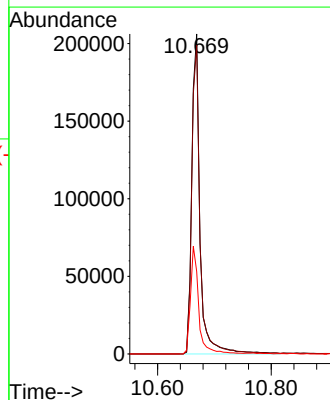
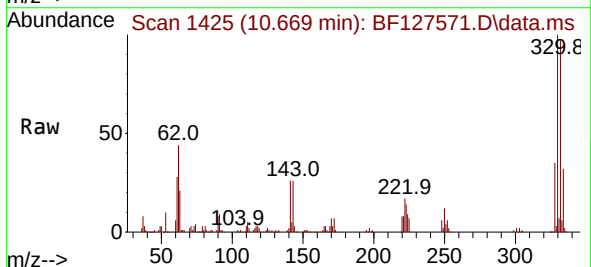
Instrument :
BNA_F
ClientSampleId :
MHD

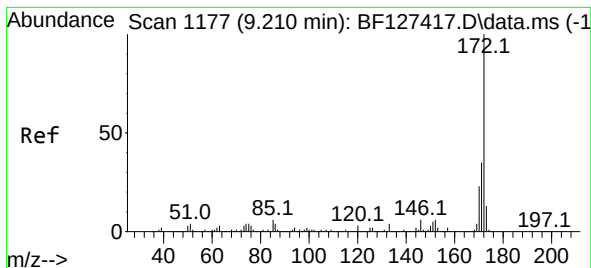
Tgt Ion:164 Resp: 169317
Ion Ratio Lower Upper
164 100
162 101.9 81.2 121.8
160 44.3 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 114.384 ng
RT: 10.669 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF127571.D
Acq: 29 Mar 2022 17:56

Tgt Ion:330 Resp: 206310
Ion Ratio Lower Upper
330 100
332 97.8 79.1 118.7
141 33.7 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 90.573 ng

RT: 9.192 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF127571.D

Acq: 29 Mar 2022 17:56

Instrument :

BNA_F

ClientSampleId :

MHD

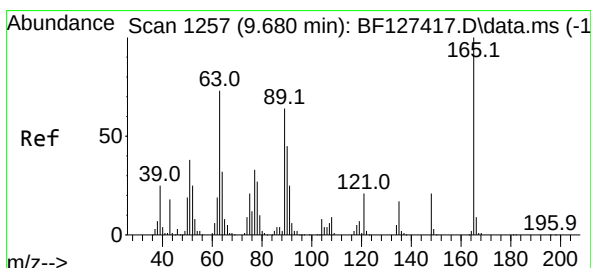
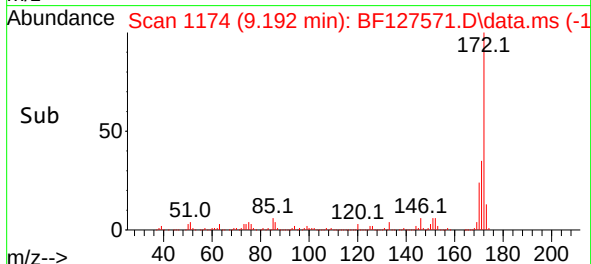
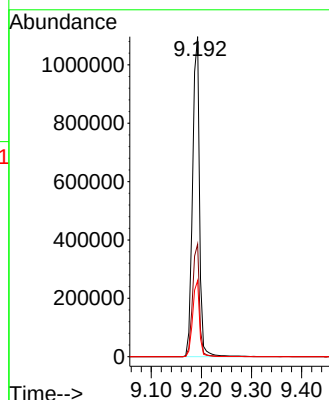
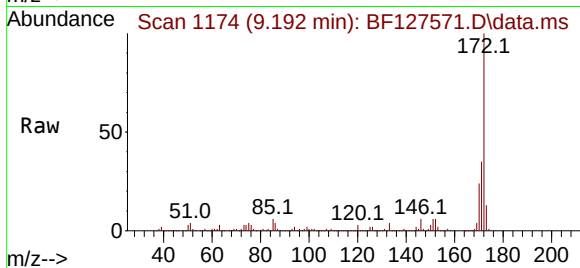
Tgt Ion:172 Resp: 1050211

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.7 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.549 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.200 min

Lab File: BF127571.D

Acq: 29 Mar 2022 17:56

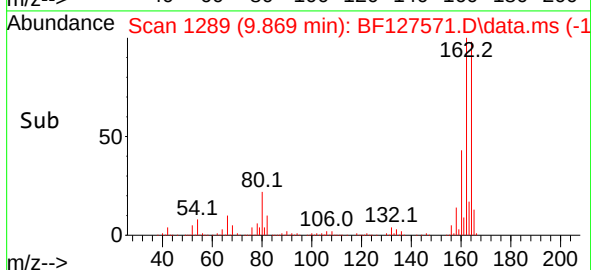
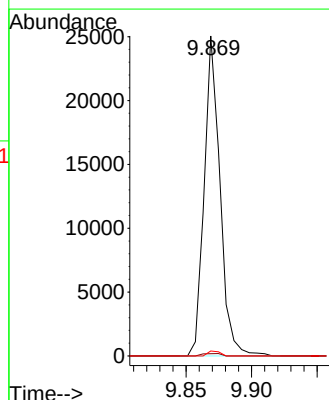
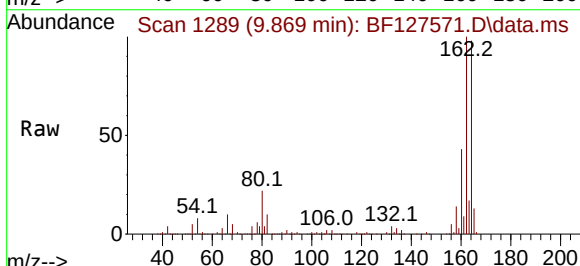
Tgt Ion:165 Resp: 21137

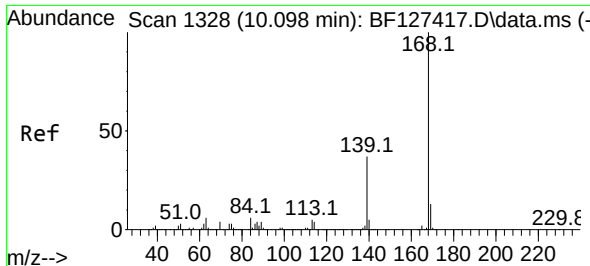
Ion Ratio Lower Upper

165 100

63 0.7 58.3 87.5#

89 1.6 51.5 77.3#

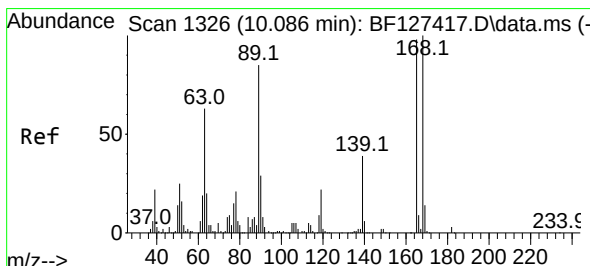
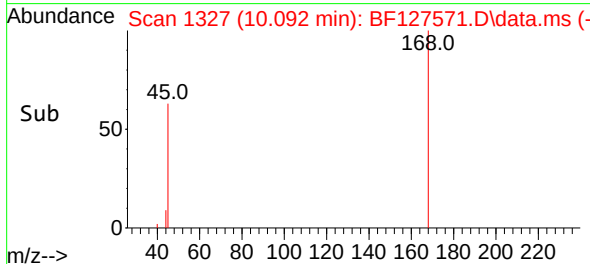
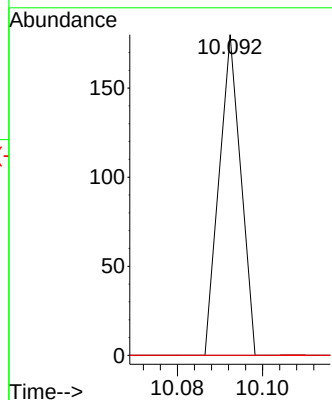
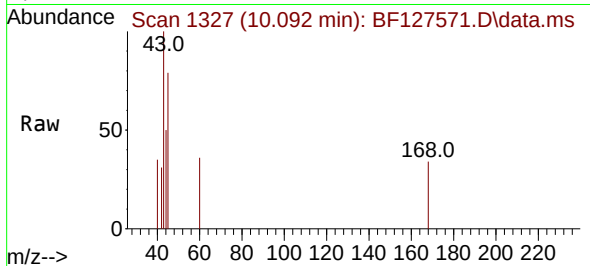




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.092 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF127571.D
Acq: 29 Mar 2022 17:56

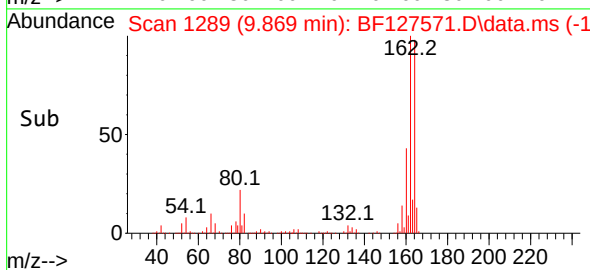
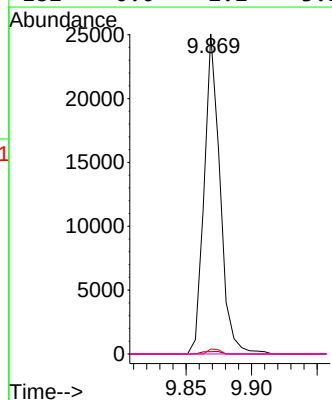
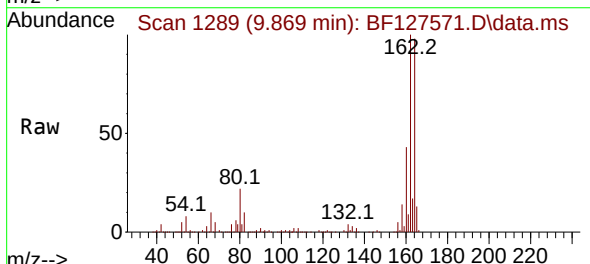
Instrument :
BNA_F
ClientSampleId :
MHD

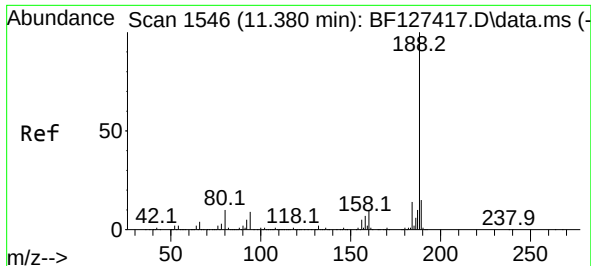
Tgt Ion:168 Resp: 64
Ion Ratio Lower Upper
168 100
139 0.0 30.3 45.5#
169 0.0 10.8 16.2#



#57
2,4-Dinitrotoluene
Concen: 6.641 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.206 min
Lab File: BF127571.D
Acq: 29 Mar 2022 17:56

Tgt Ion:165 Resp: 21137
Ion Ratio Lower Upper
165 100
63 0.7 53.1 79.7#
89 1.6 69.2 103.8#
182 0.0 2.2 3.2#

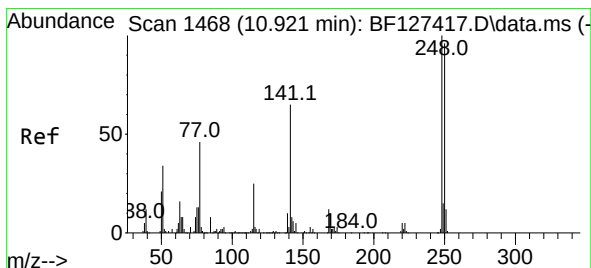
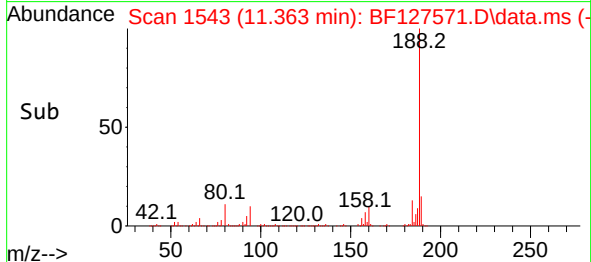
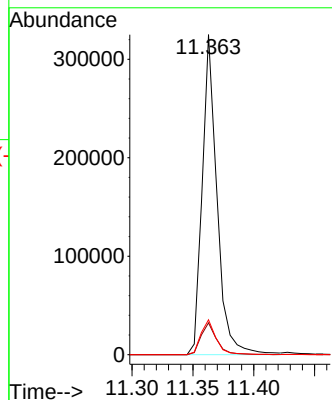
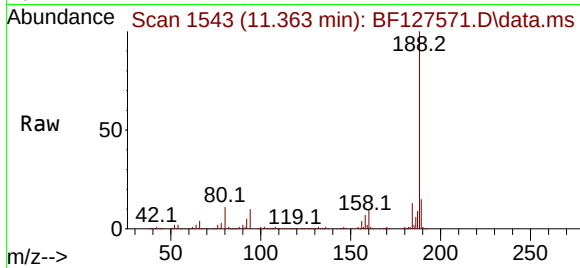




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127571.D
Acq: 29 Mar 2022 17:56

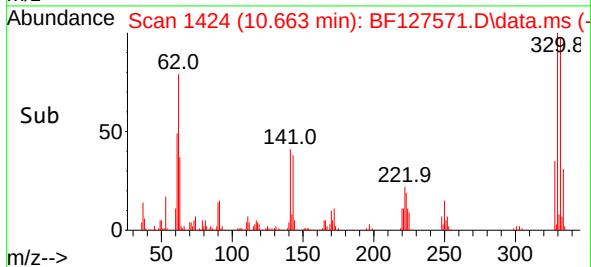
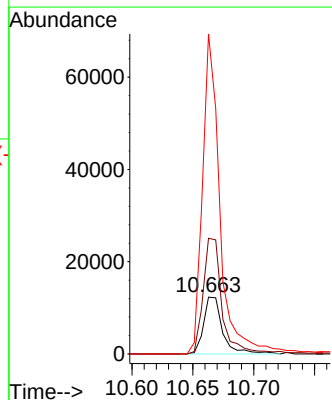
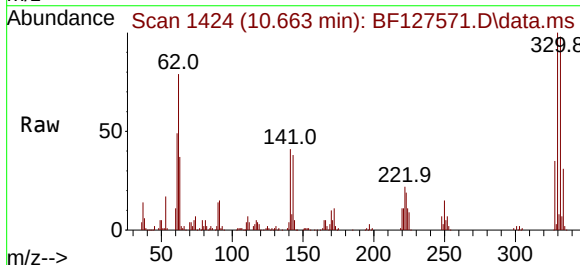
Instrument :
BNA_F
ClientSampleId :
MHD

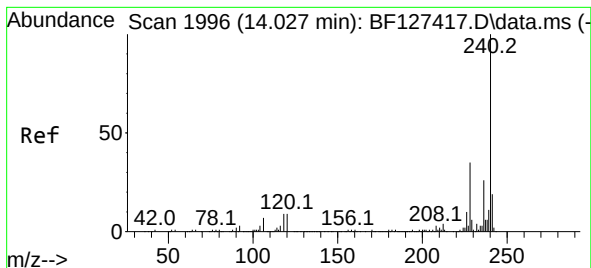
Tgt Ion:188 Resp: 275330
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.0
80 10.9 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 4.146 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.241 min
Lab File: BF127571.D
Acq: 29 Mar 2022 17:56

Tgt Ion:248 Resp: 13329
Ion Ratio Lower Upper
248 100
250 203.5 76.6 115.0#
141 562.8 52.2 78.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 1812

Delta R.T. 0.000 min

Lab File: BF127571.D

Acq: 29 Mar 2022 17:56

Instrument :

BNA_F

ClientSampleId :

MHD

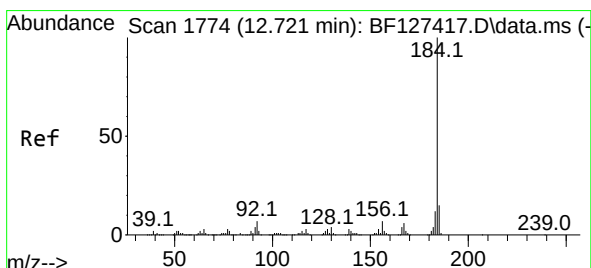
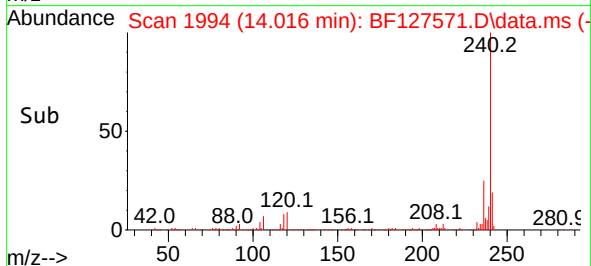
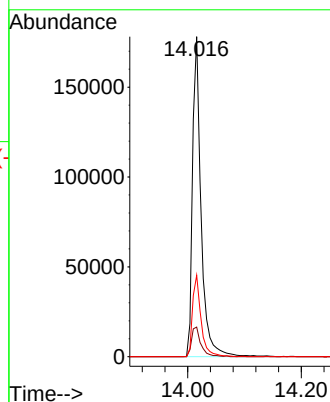
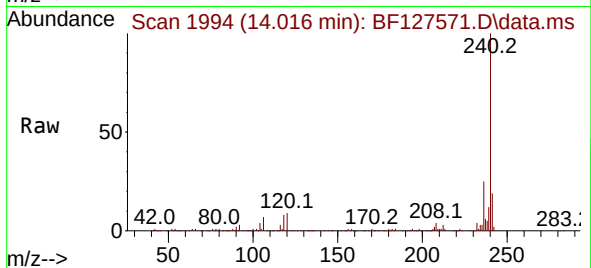
Tgt Ion:240 Resp: 186906

Ion Ratio Lower Upper

240 100

120 9.3 7.1 10.7

236 25.4 20.7 31.1



#77

Benzidine

Concen: 2.647 ng

RT: 12.945 min Scan# 1812

Delta R.T. 0.236 min

Lab File: BF127571.D

Acq: 29 Mar 2022 17:56

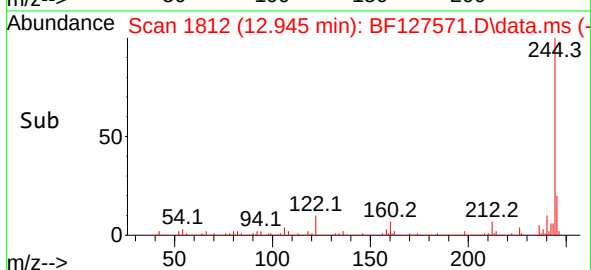
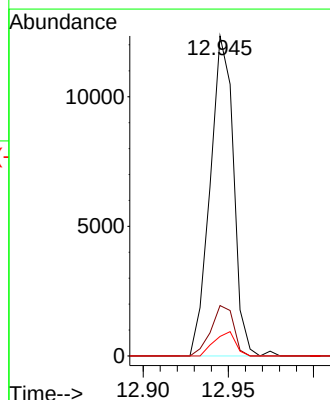
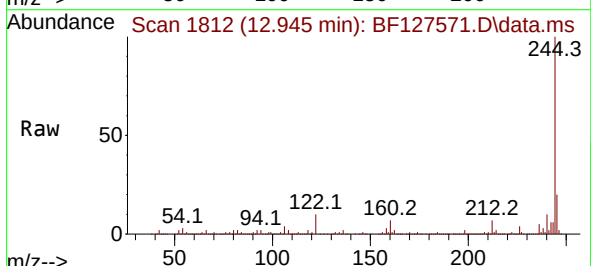
Tgt Ion:184 Resp: 11795

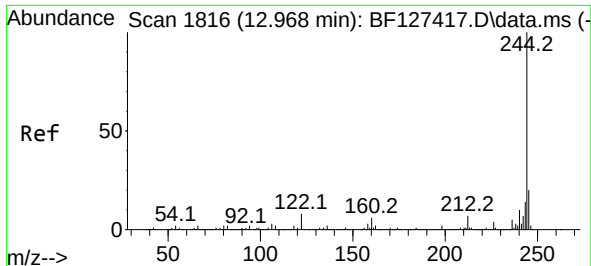
Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

183 6.1 9.4 14.0#

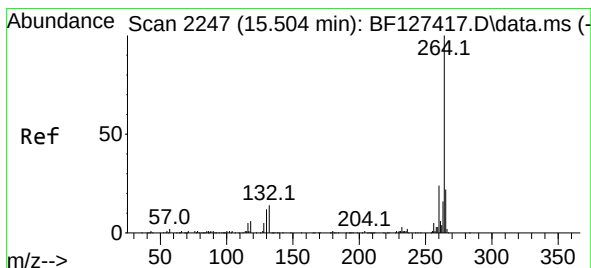
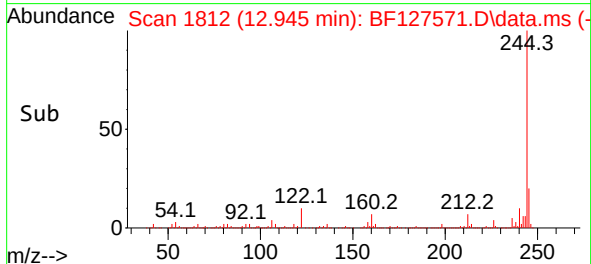
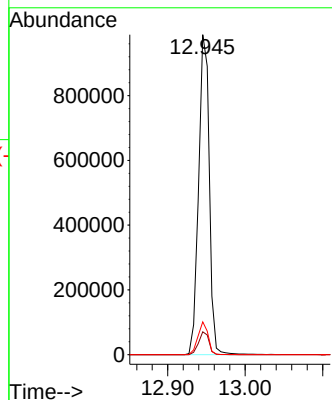
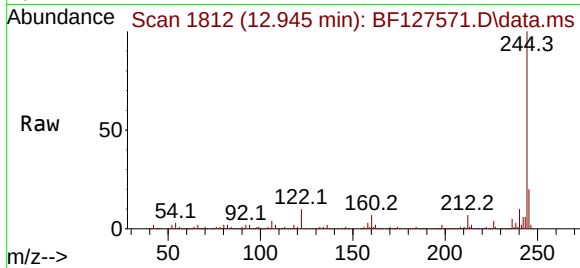




#79
 Terphenyl-d14
 Concen: 82.870 ng
 RT: 12.945 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF127571.D
 Acq: 29 Mar 2022 17:56

Instrument :
 BNA_F
 ClientSampleId :
 MHD

Tgt Ion:244 Resp: 946170
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 10.3 6.2 9.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2246
 Delta R.T. 0.006 min
 Lab File: BF127571.D
 Acq: 29 Mar 2022 17:56

Tgt Ion:264 Resp: 140528
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.1 28.7
 265 22.1 17.4 26.2

