

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020422\
 Data File : BF126812.D
 Acq On : 04 Feb 2022 15:49
 Operator : CG/JU
 Sample : N1356-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F-PHC

Quant Time: Feb 04 23:54:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 02 15:08:47 2022
 Response via : Initial Calibration

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

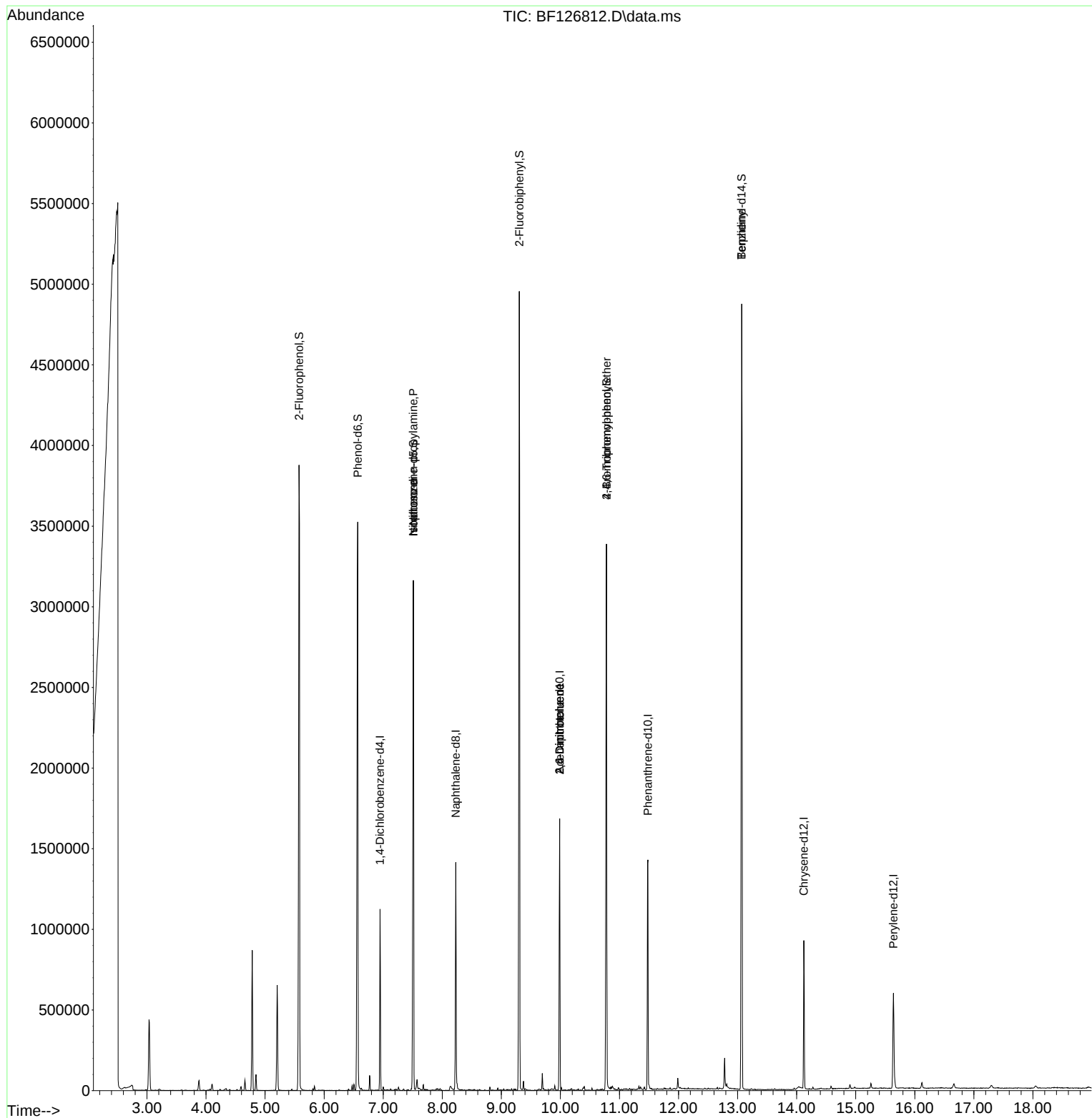
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.946	152	139369	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	550870	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	298790	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	514052	20.000	ng	0.00
76) Chrysene-d12	14.121	240	289252	20.000	ng	#-0.01
86) Perylene-d12	15.639	264	257831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1191392	117.085	ng	0.01
7) Phenol-d6	6.569	99	1449067	102.951	ng	0.00
23) Nitrobenzene-d5	7.510	82	1290110	87.648	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	418340	134.907	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1645145	91.170	ng	0.00
79) Terphenyl-d14	13.069	244	1797149	103.935	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.510	70	172313	18.592	ng	# 68
25) Isophorone	7.510	82	1286399	50.923	ng	# 69
51) 2,6-Dinitrotoluene	9.986	165	37154	8.758	ng	# 21
57) 2,4-Dinitrotoluene	9.986	165	37154	6.462	ng	# 15
67) 4-Bromophenyl-phenylether	10.781	248	25971	4.414	ng	# 1
77) Benzidine	13.069	184	22419	3.379	ng	95

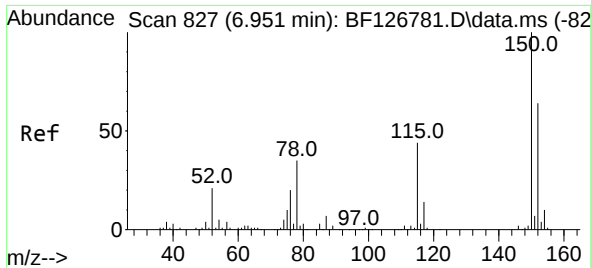
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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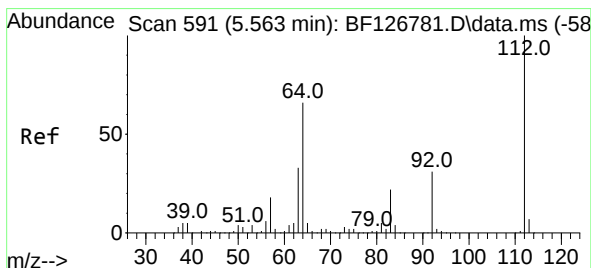
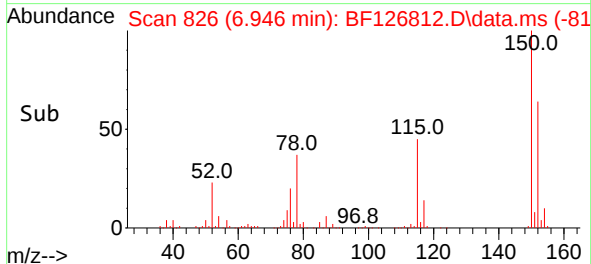
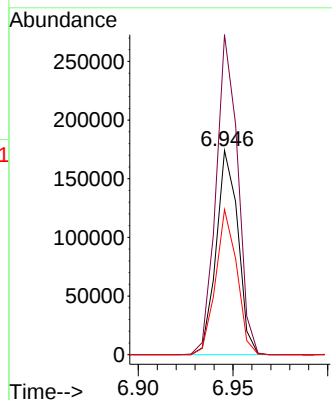
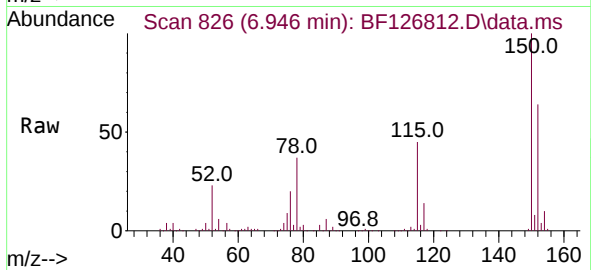




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.946 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

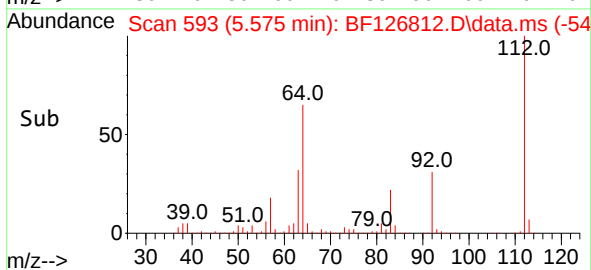
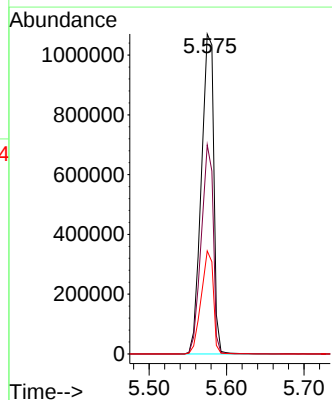
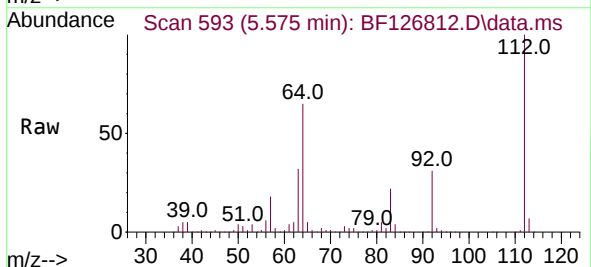
Instrument :
BNA_F
ClientSampleId :
F-PHC

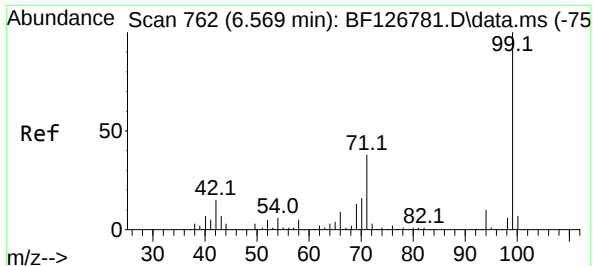
Tgt Ion:152 Resp: 139369
Ion Ratio Lower Upper
152 100
150 156.8 128.1 192.1
115 71.1 56.7 85.1



#5
2-Fluorophenol
Concen: 117.085 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.012 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

Tgt Ion:112 Resp: 1191392
Ion Ratio Lower Upper
112 100
64 65.4 49.5 74.3
63 32.2 23.9 35.9

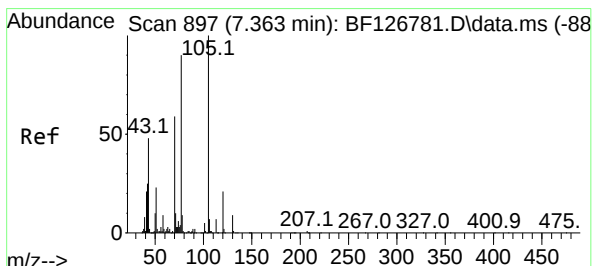
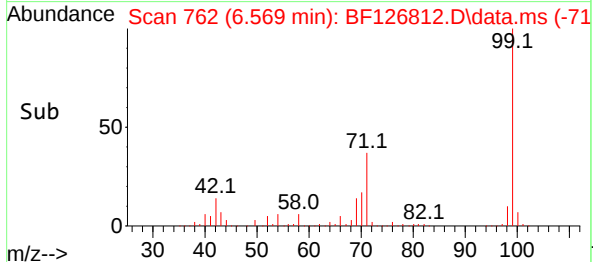
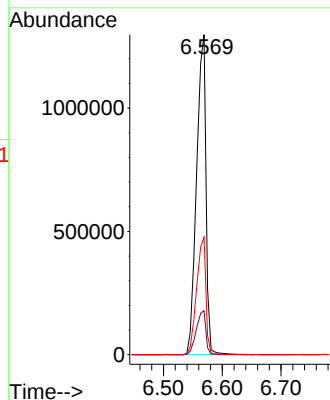
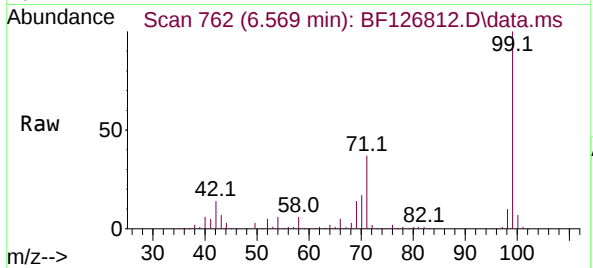




#7
Phenol-d6
Concen: 102.951 ng
RT: 6.569 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

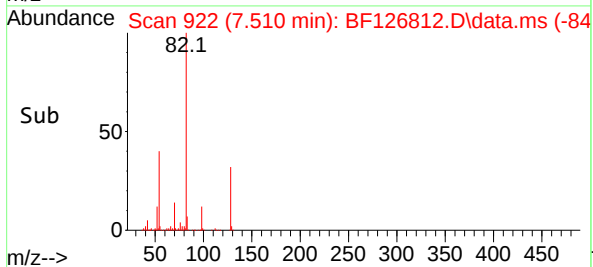
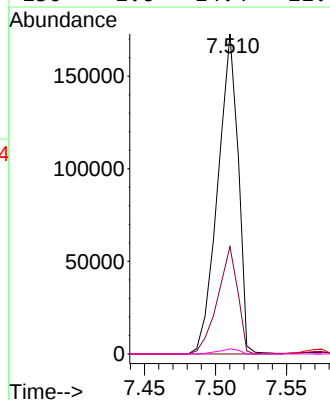
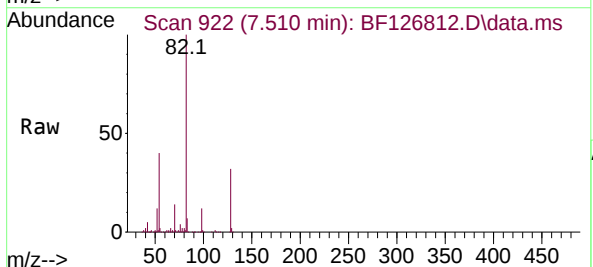
Instrument :
BNA_F
ClientSampleId :
F-PHC

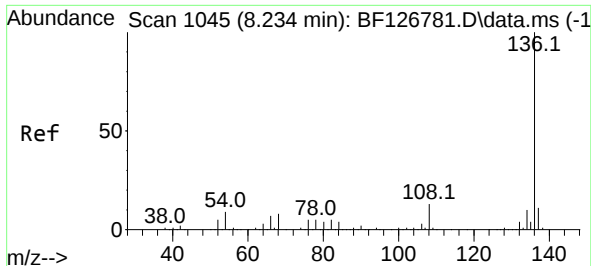
Tgt Ion: 99 Resp: 1449067
Ion Ratio Lower Upper
99 100
42 13.8 14.2 21.4#
71 36.7 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 18.592 ng
RT: 7.510 min Scan# 922
Delta R.T. 0.147 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

Tgt Ion: 70 Resp: 172313
Ion Ratio Lower Upper
70 100
42 33.5 45.8 68.8#
101 0.0 6.9 10.3#
130 1.6 14.4 21.6#

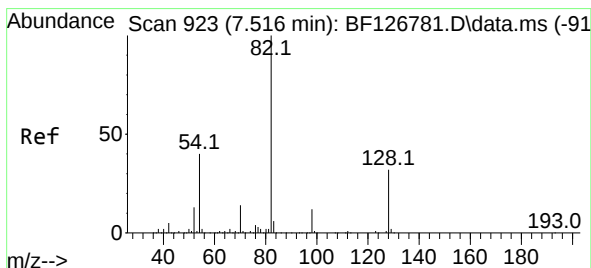
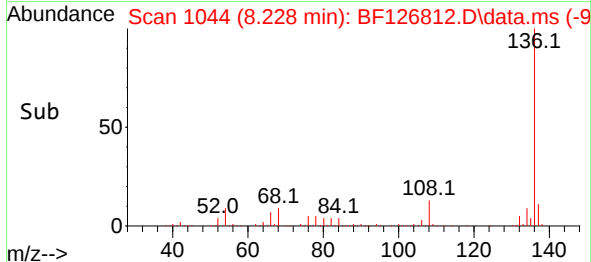
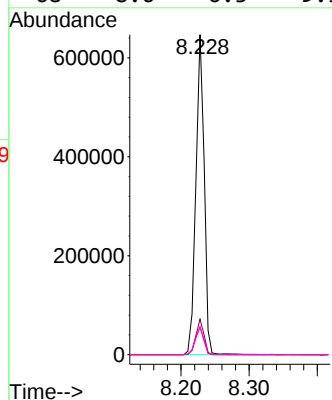
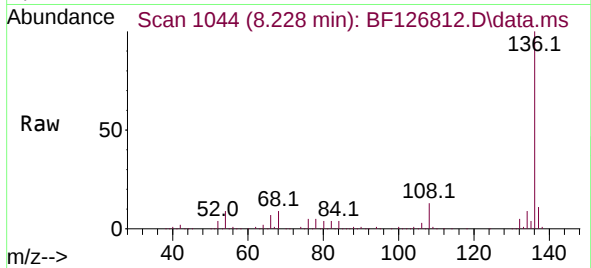




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

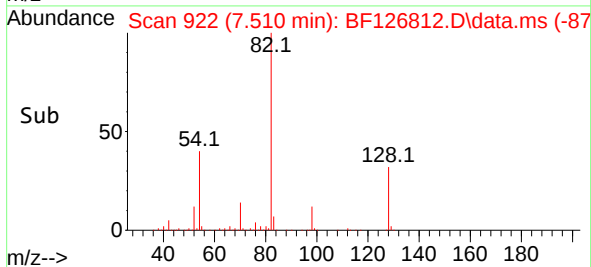
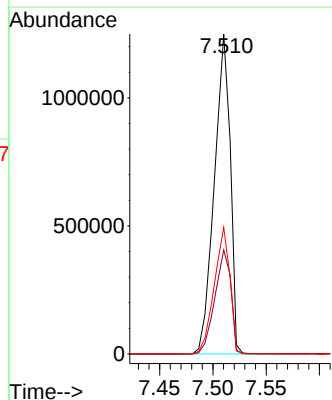
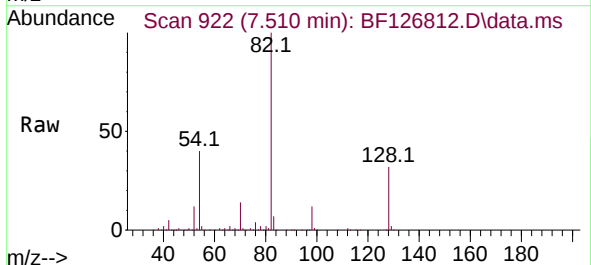
Instrument :
BNA_F
ClientSampleId :
F-PHC

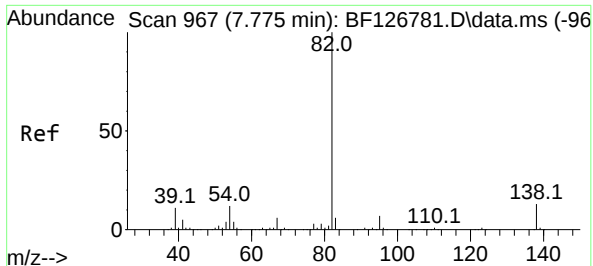
Tgt Ion:136 Resp: 550870
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.7 7.8 11.6
68 8.6 6.3 9.5



#23
Nitrobenzene-d5
Concen: 87.648 ng
RT: 7.510 min Scan# 922
Delta R.T. -0.006 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

Tgt Ion: 82 Resp: 1290110
Ion Ratio Lower Upper
82 100
128 32.5 32.7 49.1#
54 39.5 41.7 62.5#

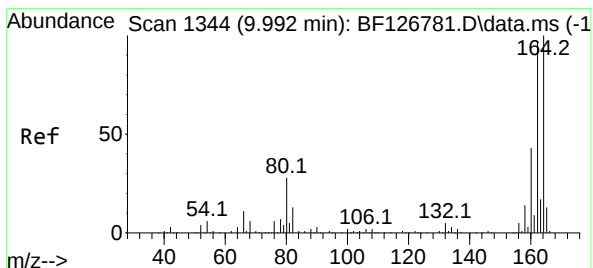
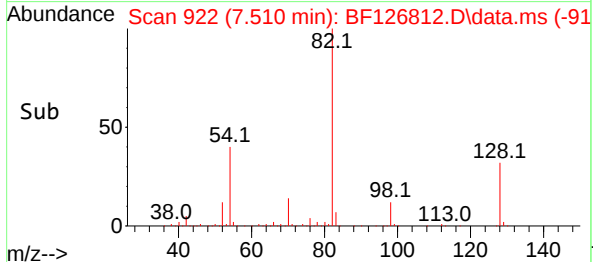
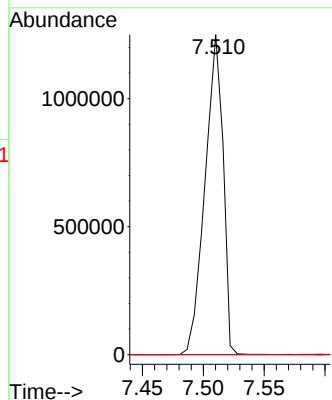
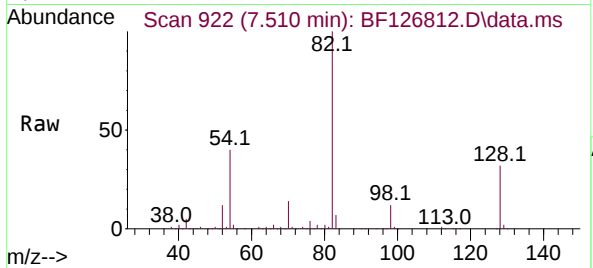




#25
Isophorone
Concen: 50.923 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

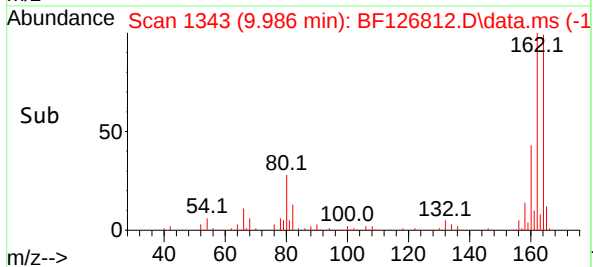
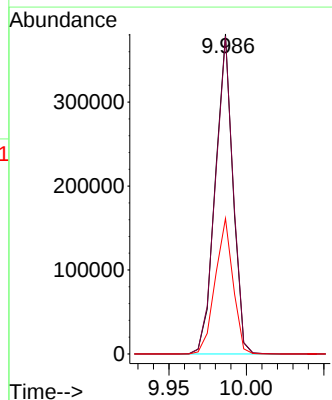
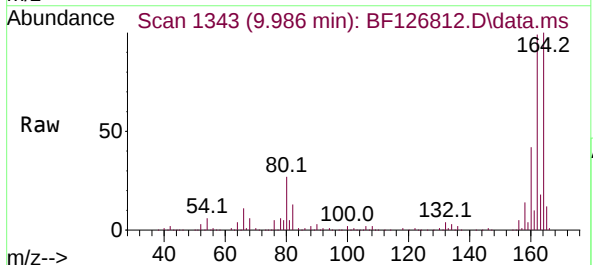
Instrument :
BNA_F
ClientSampleId :
F-PHC

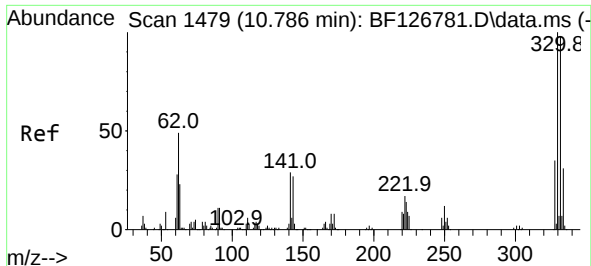
Tgt Ion: 82 Resp: 1286399
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

Tgt Ion: 164 Resp: 298790
Ion Ratio Lower Upper
164 100
162 99.4 81.4 122.0
160 42.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 134.907 ng

RT: 10.781 min Scan# 1479

Delta R.T. -0.006 min

Lab File: BF126812.D

Acq: 04 Feb 2022 15:49

Instrument :

BNA_F

ClientSampleId :

F-PHC

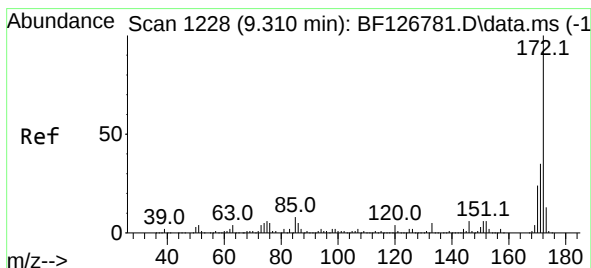
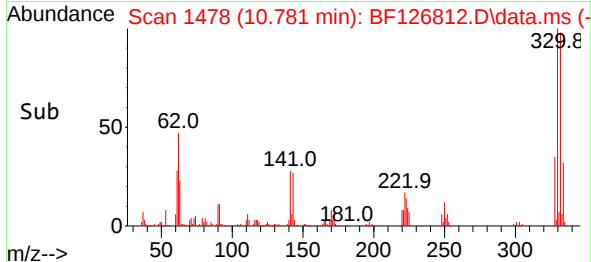
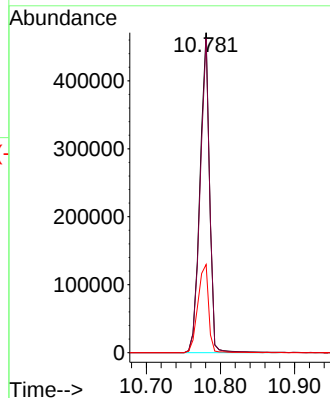
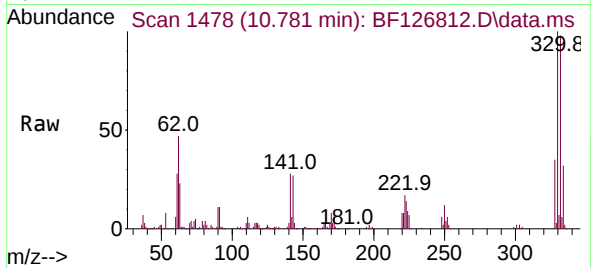
Tgt Ion:330 Resp: 418340

Ion Ratio Lower Upper

330 100

332 97.6 76.0 114.0

141 31.0 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 91.170 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF126812.D

Acq: 04 Feb 2022 15:49

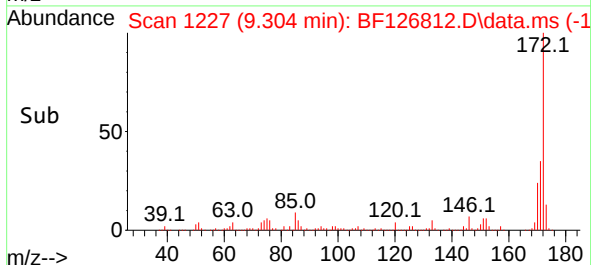
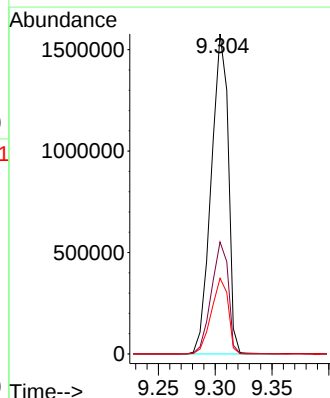
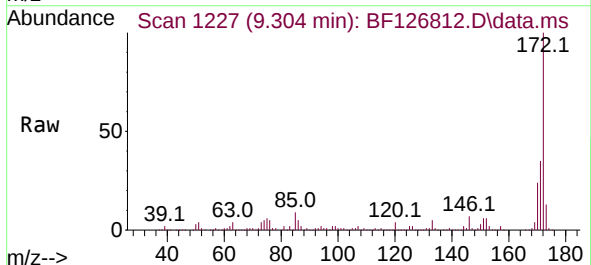
Tgt Ion:172 Resp: 1645145

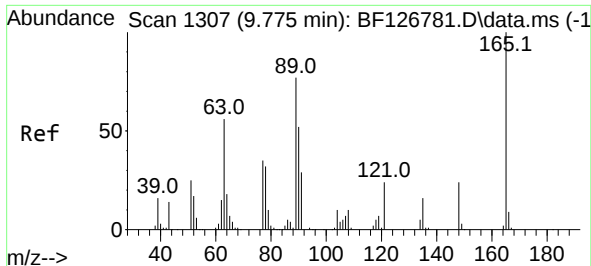
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.7 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.758 ng

RT: 9.986 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF126812.D

Acq: 04 Feb 2022 15:49

Instrument :

BNA_F

ClientSampleId :

F-PHC

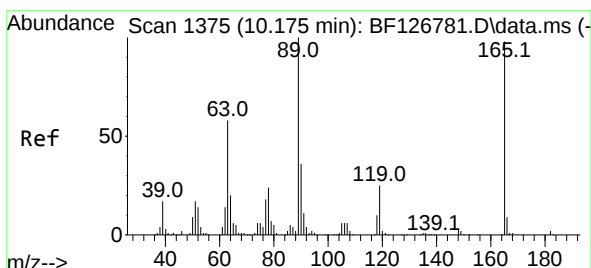
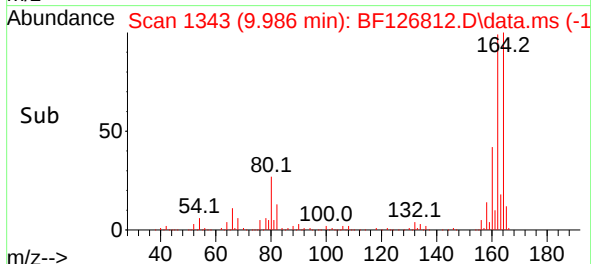
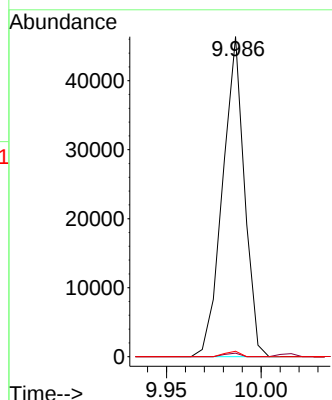
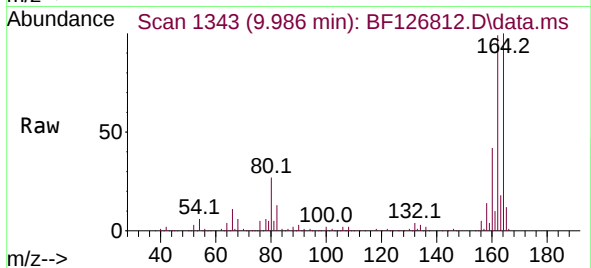
Tgt Ion:165 Resp: 37154

Ion Ratio Lower Upper

165 100

63 1.1 48.4 72.6#

89 1.7 50.5 75.7#



#57

2,4-Dinitrotoluene

Concen: 6.462 ng

RT: 9.986 min Scan# 1343

Delta R.T. -0.188 min

Lab File: BF126812.D

Acq: 04 Feb 2022 15:49

Tgt Ion:165 Resp: 37154

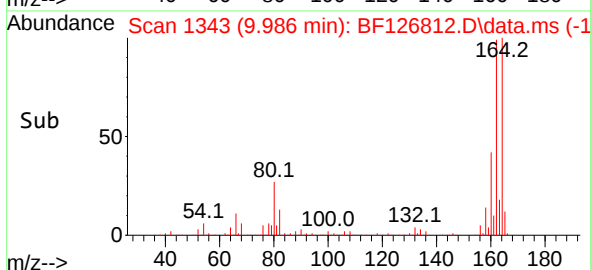
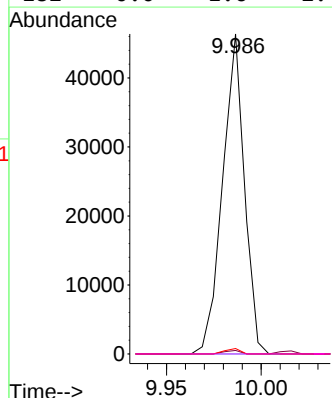
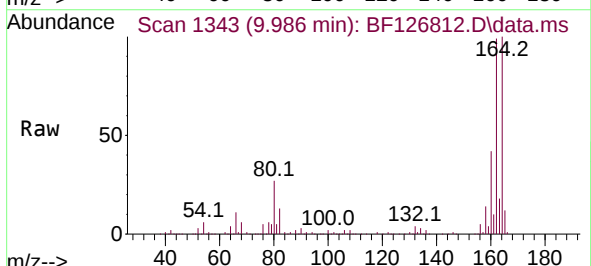
Ion Ratio Lower Upper

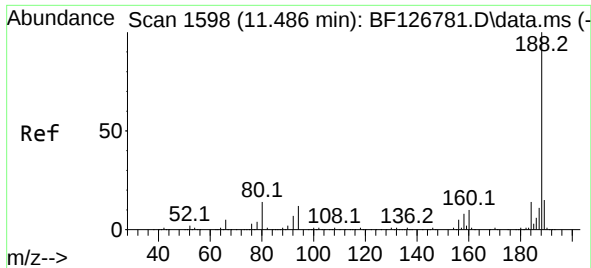
165 100

63 1.1 43.0 64.6#

89 1.7 71.0 106.4#

182 0.0 1.6 2.4#

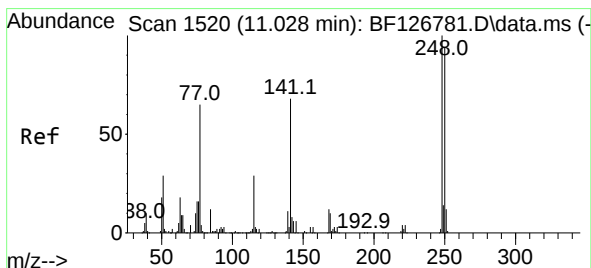
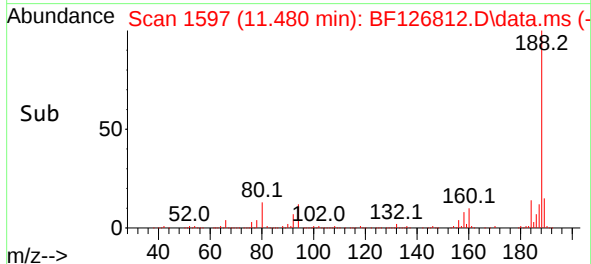
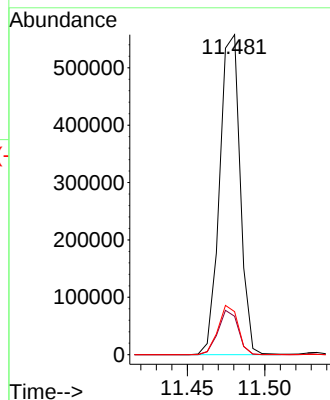
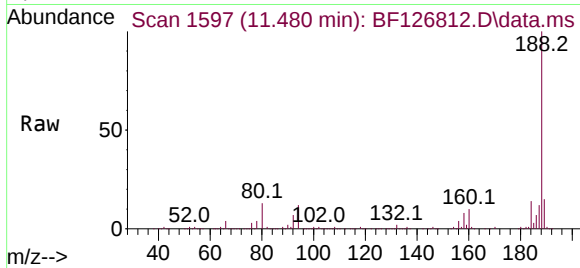




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

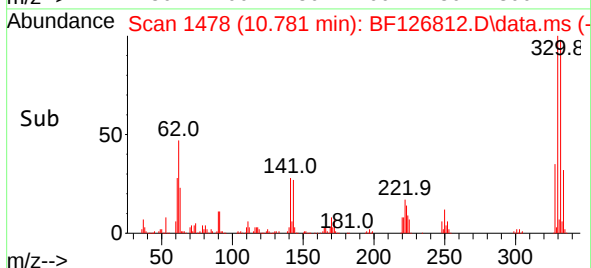
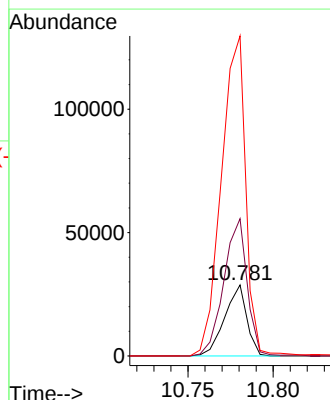
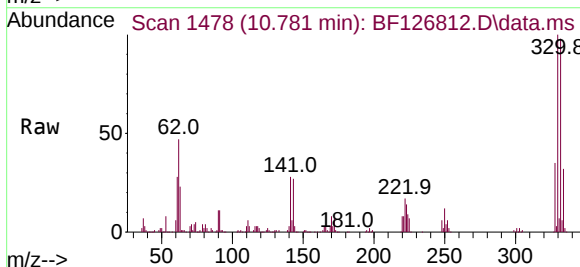
Instrument :
BNA_F
ClientSampleId :
F-PHC

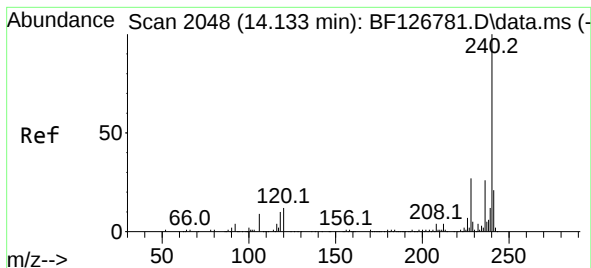
Tgt Ion:188 Resp: 514052
Ion Ratio Lower Upper
188 100
94 12.0 10.1 15.1
80 13.4 11.8 17.6



#67
4-Bromophenyl-phenylether
Concen: 4.414 ng
RT: 10.781 min Scan# 1478
Delta R.T. -0.247 min
Lab File: BF126812.D
Acq: 04 Feb 2022 15:49

Tgt Ion:248 Resp: 25971
Ion Ratio Lower Upper
248 100
250 193.3 76.2 114.4#
141 450.7 66.2 99.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2046

Delta R.T. -0.012 min

Lab File: BF126812.D

Acq: 04 Feb 2022 15:49

Instrument :

BNA_F

ClientSampleId :

F-PHC

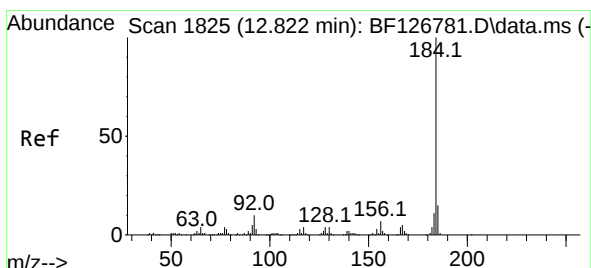
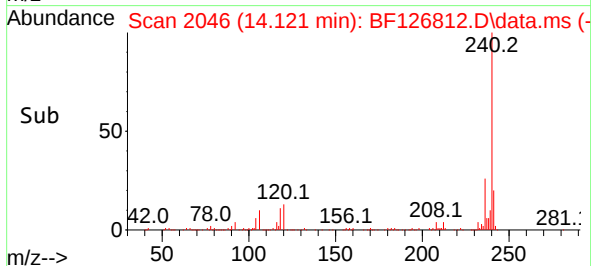
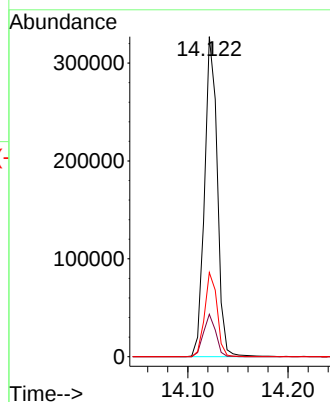
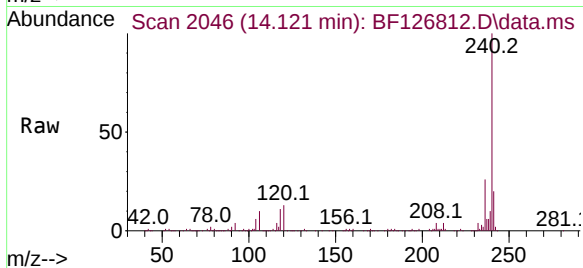
Tgt Ion:240 Resp: 289252

Ion Ratio Lower Upper

240 100

120 13.3 14.4 21.6#

236 26.3 20.5 30.7



#77

Benzidine

Concen: 3.379 ng

RT: 13.069 min Scan# 1867

Delta R.T. 0.247 min

Lab File: BF126812.D

Acq: 04 Feb 2022 15:49

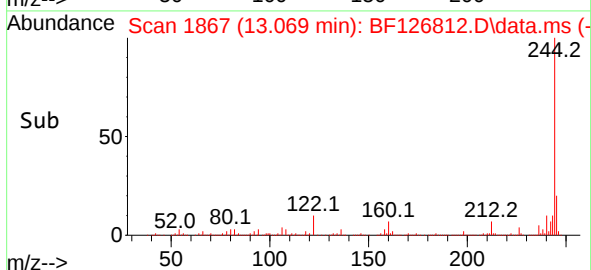
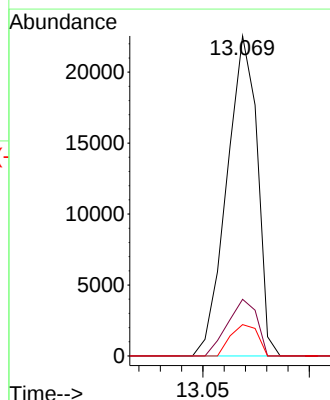
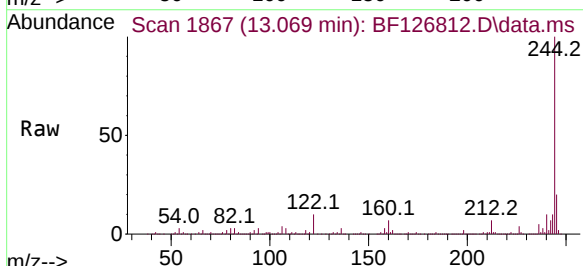
Tgt Ion:184 Resp: 22419

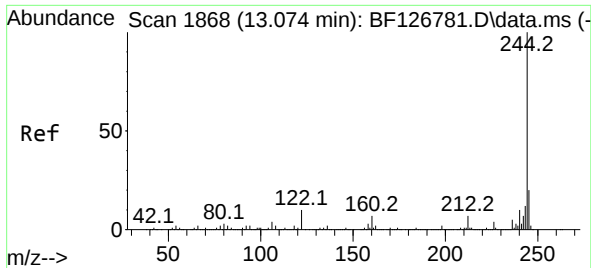
Ion Ratio Lower Upper

184 100

185 17.7 11.8 17.8

183 9.8 8.2 12.2

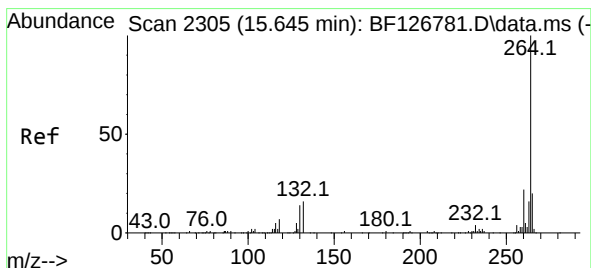
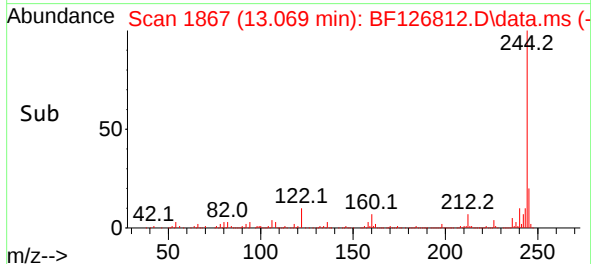
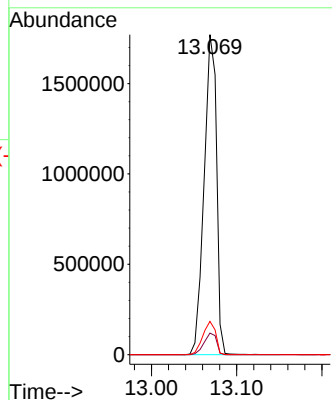
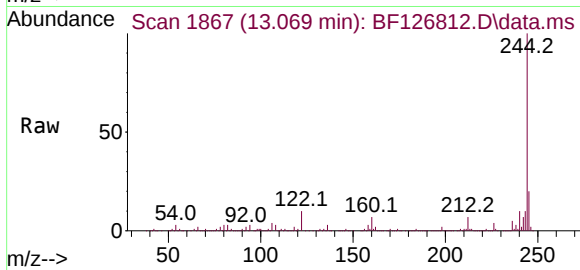




#79
 Terphenyl-d14
 Concen: 103.935 ng
 RT: 13.069 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126812.D
 Acq: 04 Feb 2022 15:49

Instrument :
 BNA_F
 ClientSampleId :
 F-PHC

Tgt Ion:244 Resp: 1797149
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.4
 122 10.4 13.3 19.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.639 min Scan# 2304
 Delta R.T. -0.006 min
 Lab File: BF126812.D
 Acq: 04 Feb 2022 15:49

Tgt Ion:264 Resp: 257831
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 20.4 17.4 26.2

