

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129840.D
 Acq On : 17 Aug 2022 12:24
 Operator : CG\JU
 Sample : N4189-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB15

Quant Time: Aug 17 13:34:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

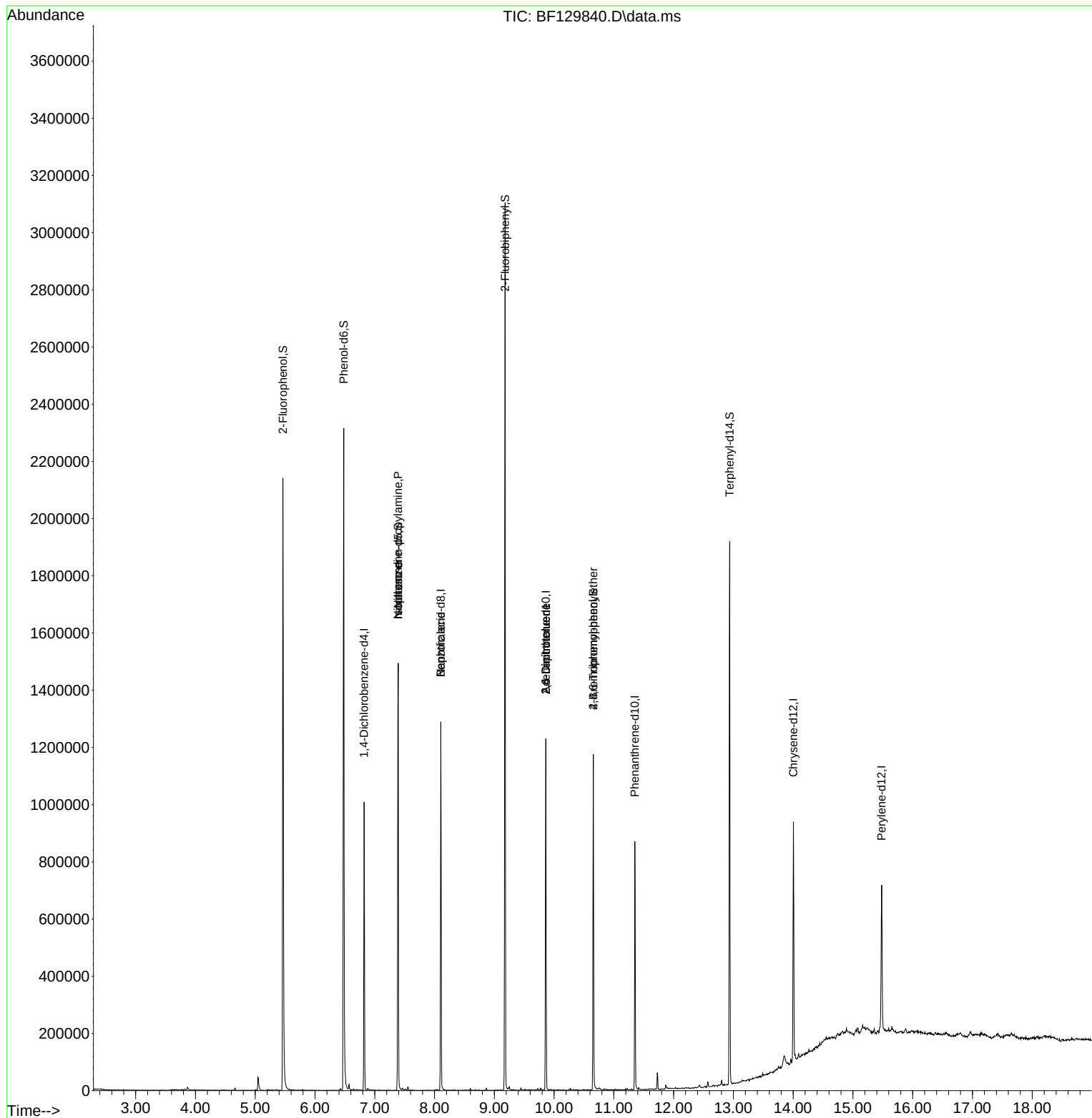
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	134195	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	510763	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	226490	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	286502	20.000	ng	0.00
76) Chrysene-d12	14.004	240	261119	20.000	ng	0.00
86) Perylene-d12	15.480	264	225102	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	600643	74.107	ng	0.00
7) Phenol-d6	6.481	99	742019	73.107	ng	0.00
23) Nitrobenzene-d5	7.392	82	462994	48.525	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	124282	54.674	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	833535	55.895	ng	0.00
79) Terphenyl-d14	12.939	244	607843	38.734	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	60	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	61743	9.624 ng	#	77
25) Isophorone	7.392	82	462988	28.193 ng	#	65
32) Benzoic acid	8.104	122	167	2.221 ng	#	1
51) 2,6-Dinitrotoluene	9.863	165	29447	8.361 ng	#	22
57) 2,4-Dinitrotoluene	9.863	165	29447	6.441 ng	#	17
67) 4-Bromophenyl-phenylether	10.657	248	7603	2.266 ng	#	1
77) Benzidine	12.939	184	8751	Below Cal	#	91

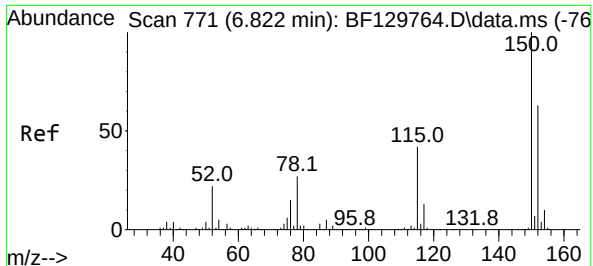
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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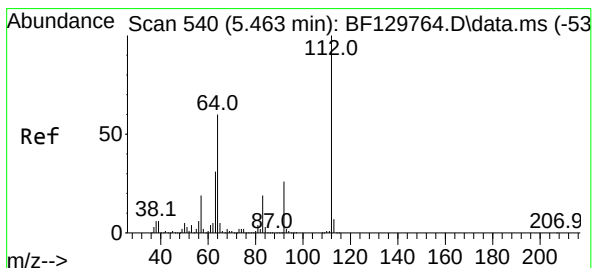
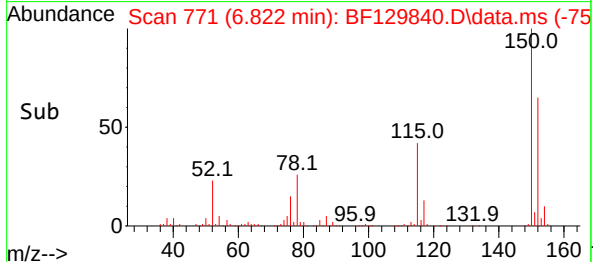
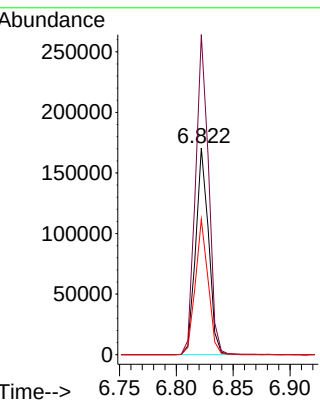
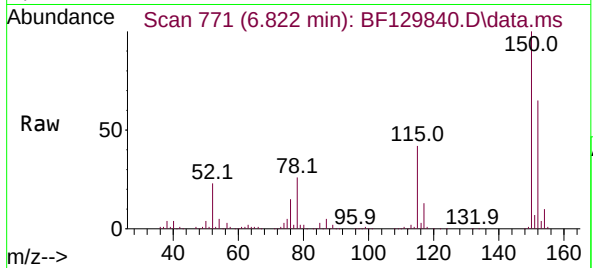




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129840.D
Acq: 17 Aug 2022 12:24

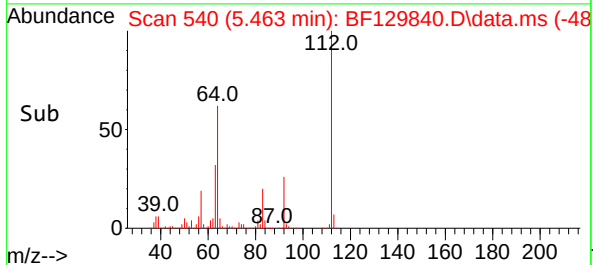
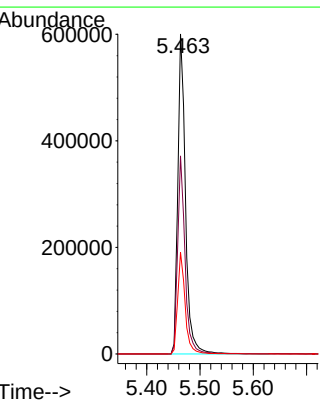
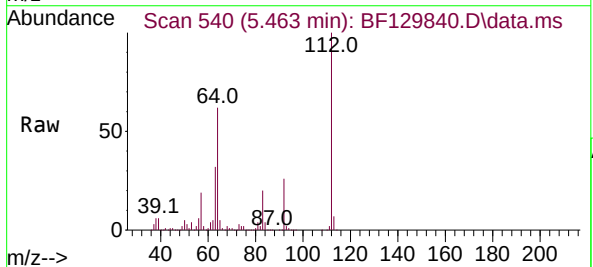
Instrument :
BNA_F
ClientSampleId :
SB15

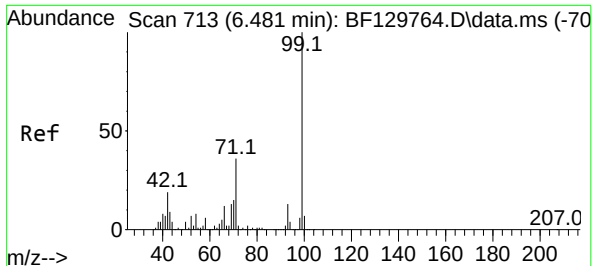
Tgt Ion:152 Resp: 134195
Ion Ratio Lower Upper
152 100
150 154.7 126.9 190.3
115 65.5 53.4 80.0



#5
2-Fluorophenol
Concen: 74.107 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.000 min
Lab File: BF129840.D
Acq: 17 Aug 2022 12:24

Tgt Ion:112 Resp: 600643
Ion Ratio Lower Upper
112 100
64 61.9 47.6 71.4
63 31.8 24.6 37.0

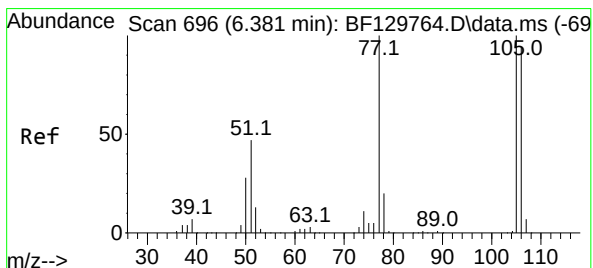
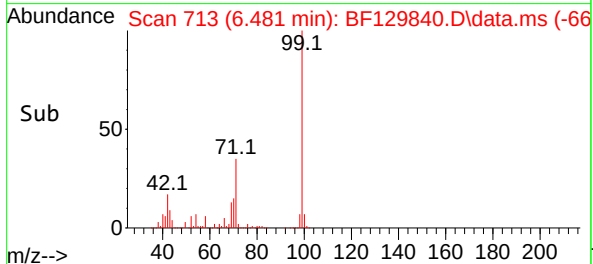
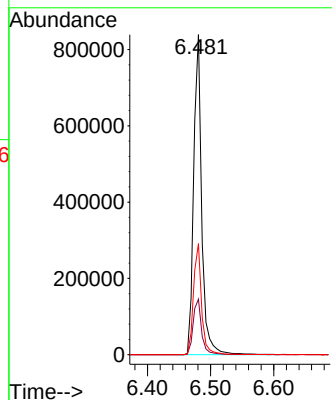
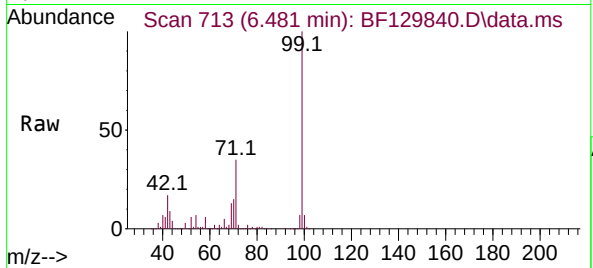




#7
Phenol-d6
Concen: 73.107 ng
RT: 6.481 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF129840.D
Acq: 17 Aug 2022 12:24

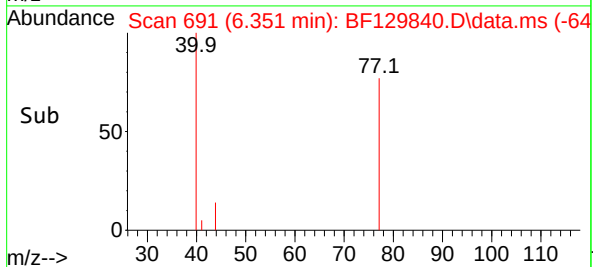
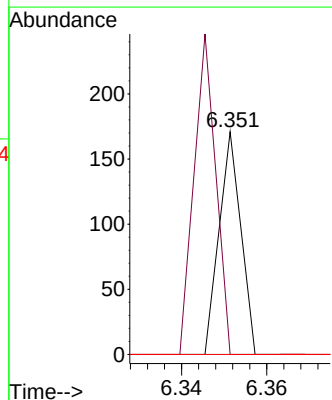
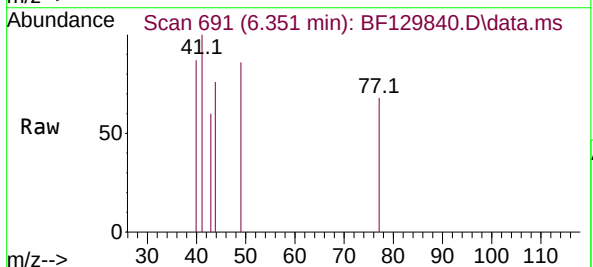
Instrument :
BNA_F
ClientSampleId :
SB15

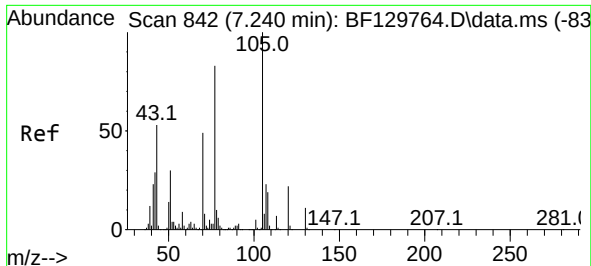
Tgt Ion: 99 Resp: 742019
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.4
71 34.7 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.351 min Scan# 691
Delta R.T. -0.030 min
Lab File: BF129840.D
Acq: 17 Aug 2022 12:24

Tgt Ion: 77 Resp: 60
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

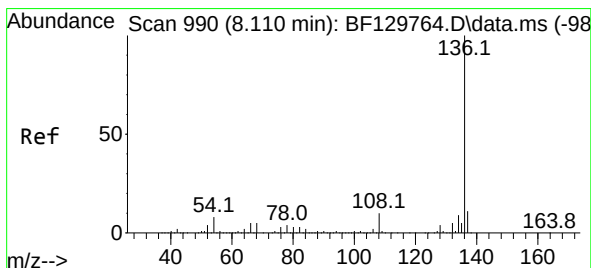
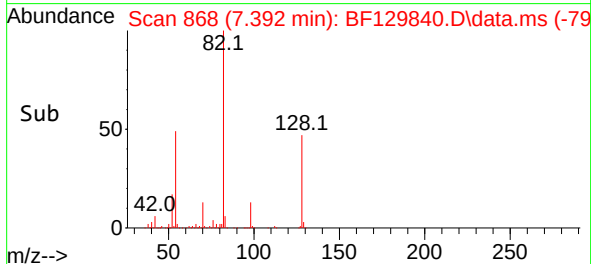
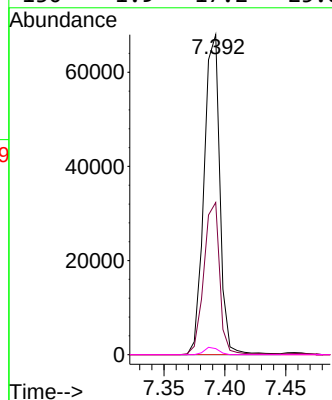
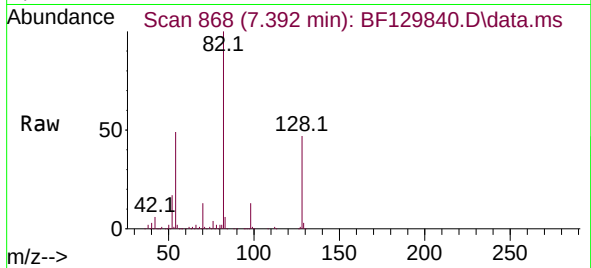




#19
n-Nitroso-di-n-propylamine
Concen: 9.624 ng
RT: 7.392 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129840.D
Acq: 17 Aug 2022 12:24

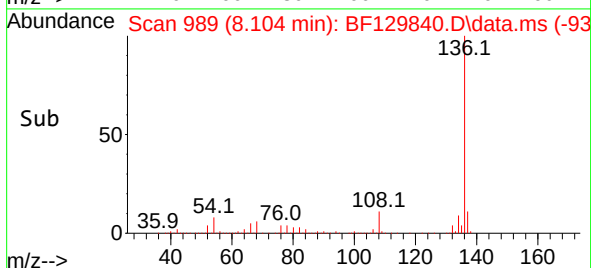
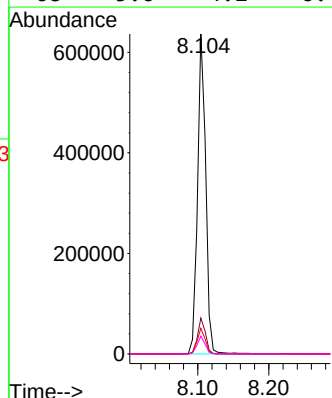
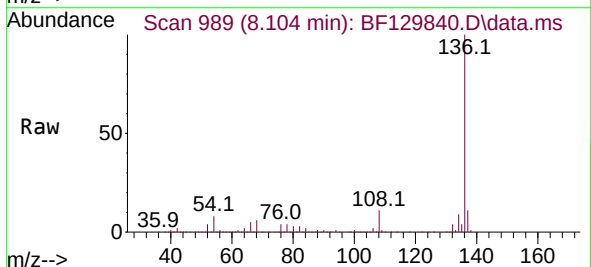
Instrument :
BNA_F
ClientSampleId :
SB15

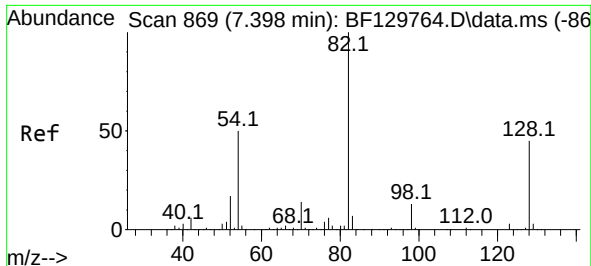
Tgt Ion: 70 Resp: 61743
Ion Ratio Lower Upper
70 100
42 47.6 47.6 71.4#
101 0.0 8.1 12.1#
130 1.9 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129840.D
Acq: 17 Aug 2022 12:24

Tgt Ion: 136 Resp: 510763
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.0 6.2 9.2
68 5.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 48.525 ng

RT: 7.392 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

Instrument :

BNA_F

ClientSampleId :

SB15

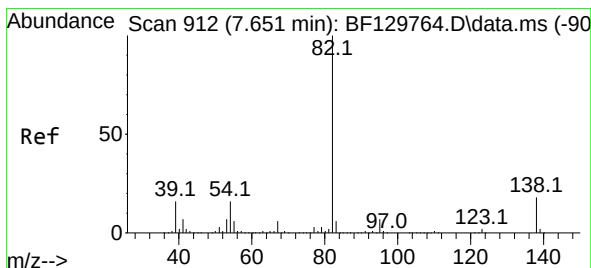
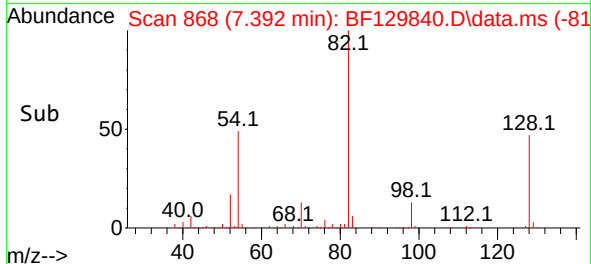
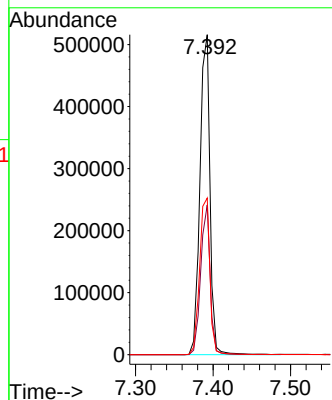
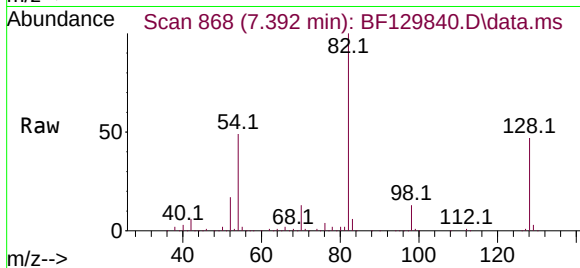
Tgt Ion: 82 Resp: 462994

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

54 49.0 40.0 60.0



#25

Isophorone

Concen: 28.193 ng

RT: 7.392 min Scan# 868

Delta R.T. -0.259 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

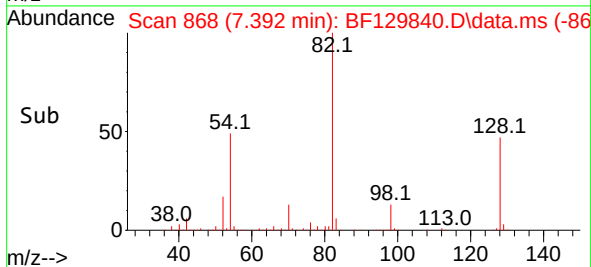
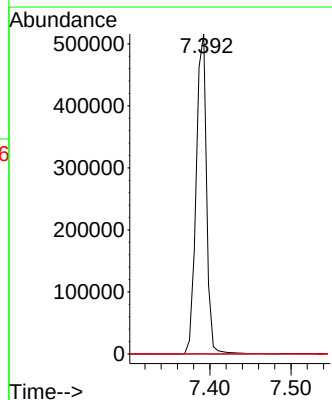
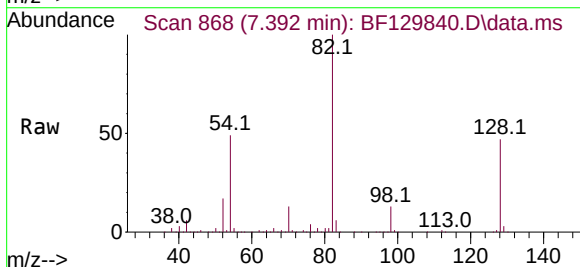
Tgt Ion: 82 Resp: 462988

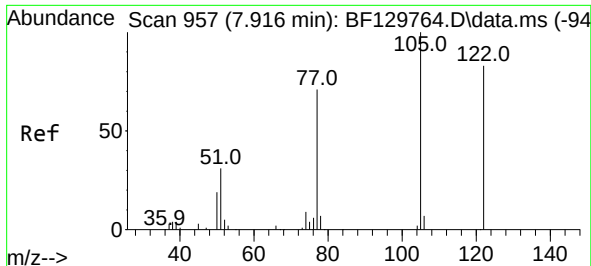
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

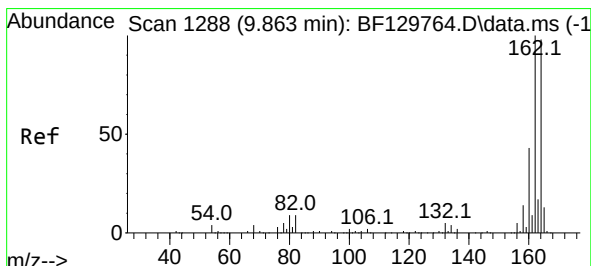
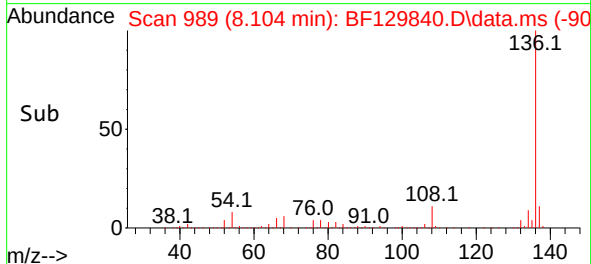
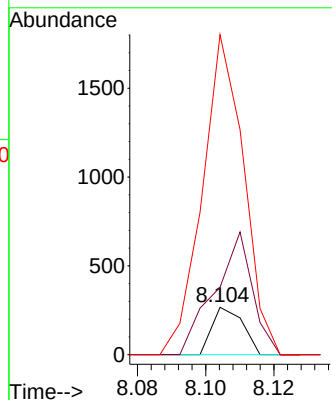
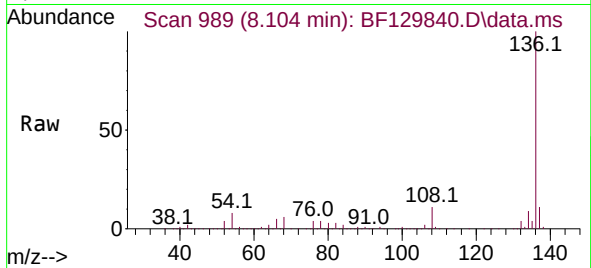




#32
Benzoic acid
Concen: 2.221 ng
RT: 8.104 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129840.D
Acq: 17 Aug 2022 12:24

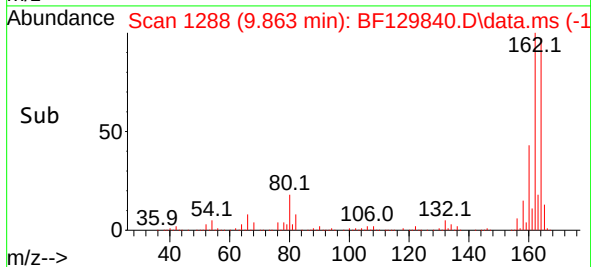
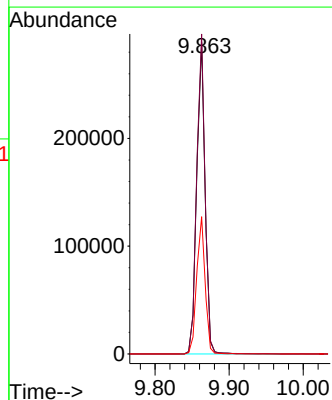
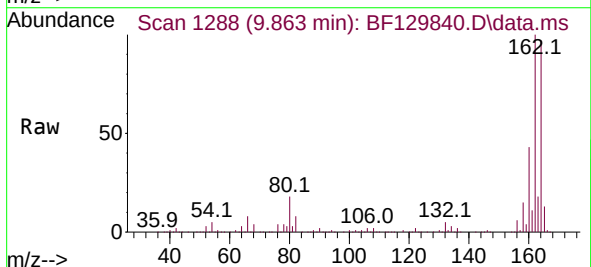
Instrument :
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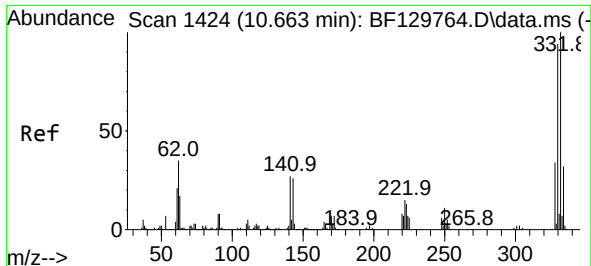
Tgt Ion:122 Resp: 167
Ion Ratio Lower Upper
122 100
105 141.9 99.9 139.9#
77 674.9 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BF129840.D
Acq: 17 Aug 2022 12:24

Tgt Ion:164 Resp: 226490
Ion Ratio Lower Upper
164 100
162 102.7 82.0 123.0
160 44.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 54.674 ng

RT: 10.657 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

Instrument :

BNA_F

ClientSampleId :

SB15

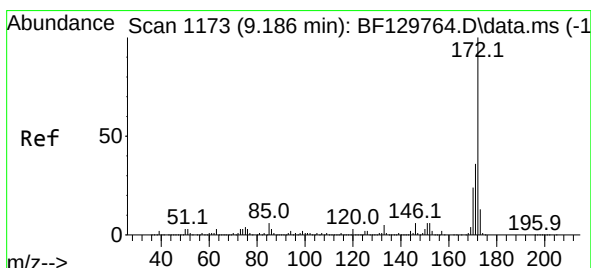
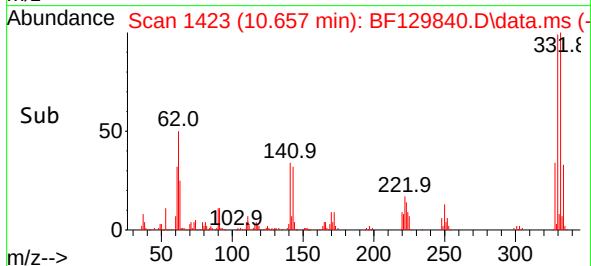
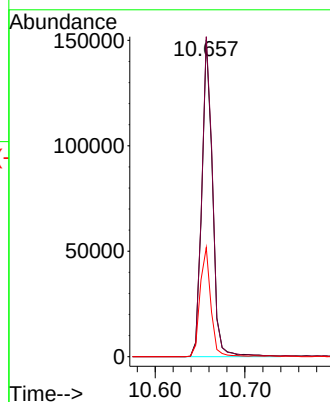
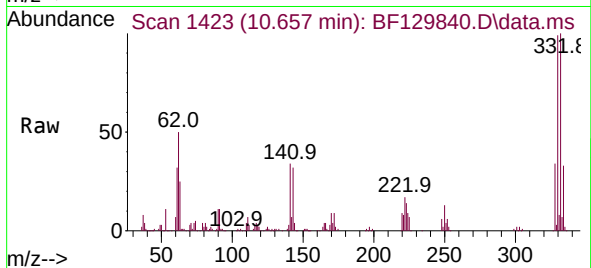
Tgt Ion:330 Resp: 124282

Ion Ratio Lower Upper

330 100

332 100.9 82.6 124.0

141 34.7 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 55.895 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

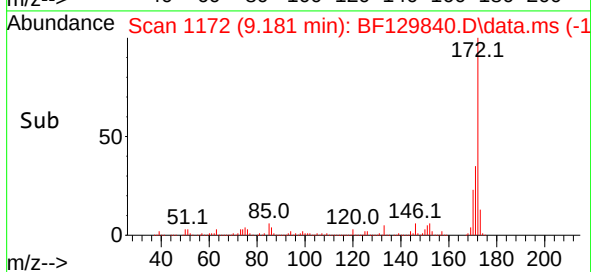
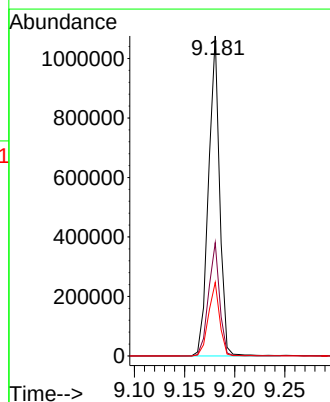
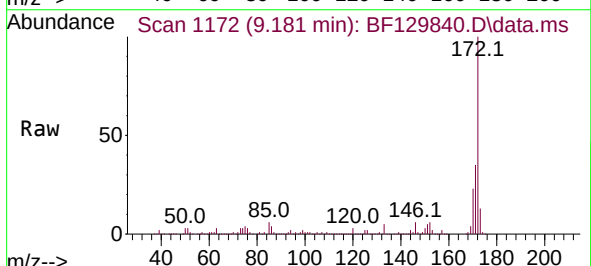
Tgt Ion:172 Resp: 833535

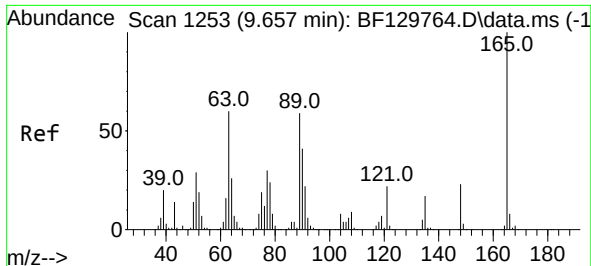
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.0 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.361 ng

RT: 9.863 min Scan# 1288

Delta R.T. 0.206 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

Instrument :

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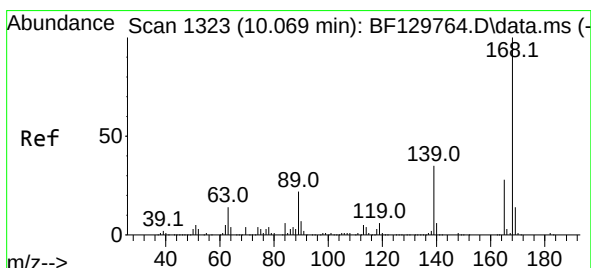
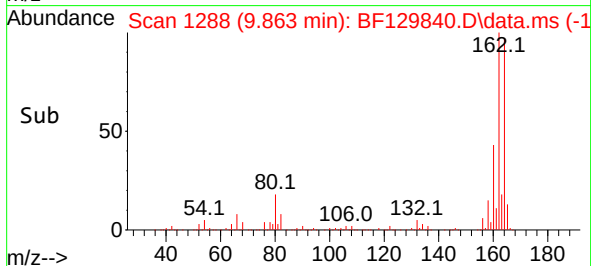
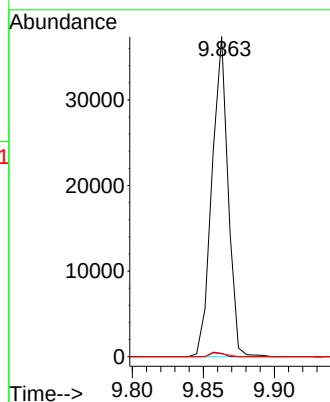
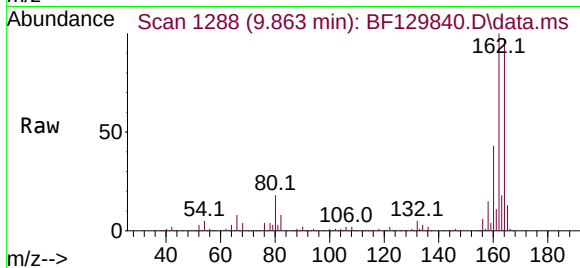
Tgt Ion:165 Resp: 29447

Ion Ratio Lower Upper

165 100

63 1.1 47.8 71.8#

89 0.9 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.441 ng

RT: 9.863 min Scan# 1288

Delta R.T. -0.206 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

Tgt Ion:165 Resp: 29447

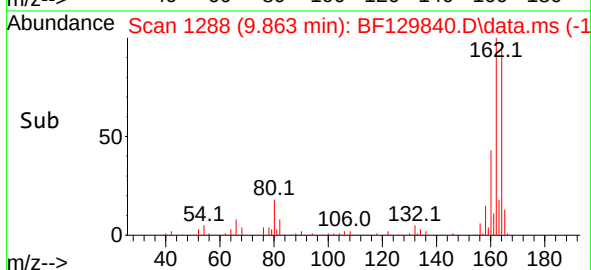
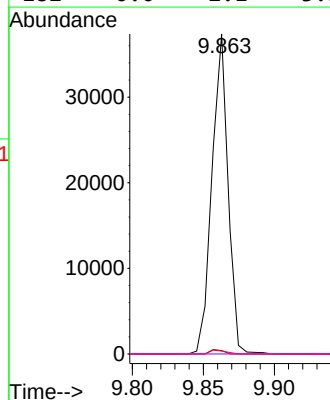
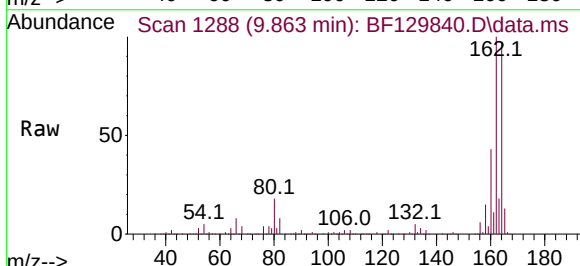
Ion Ratio Lower Upper

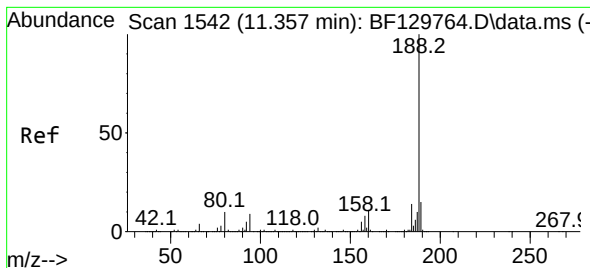
165 100

63 1.1 48.4 72.6#

89 0.9 62.3 93.5#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

Instrument :

BNA_F

ClientSampleId :

SB15

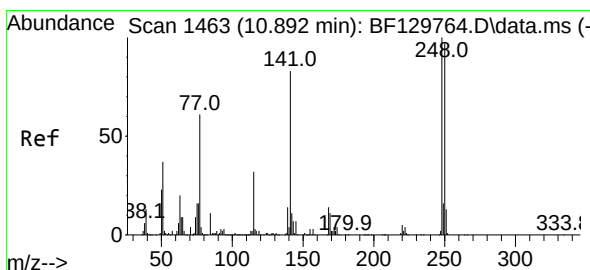
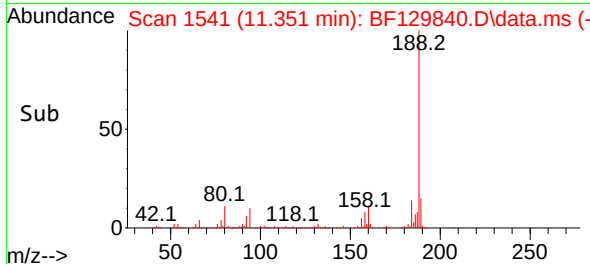
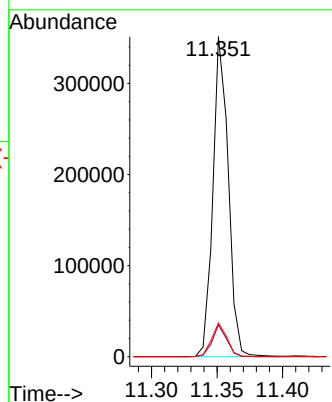
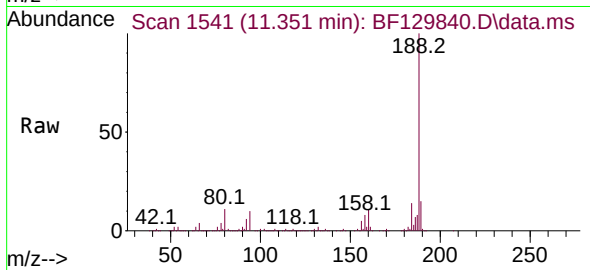
Tgt Ion:188 Resp: 286502

Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

80 10.5 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.266 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.235 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

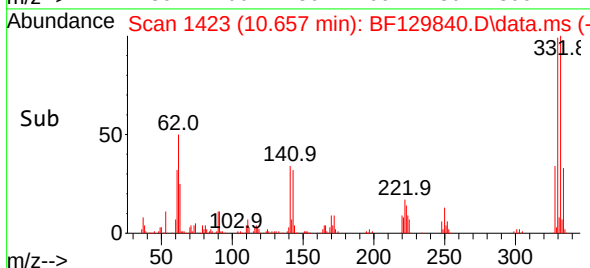
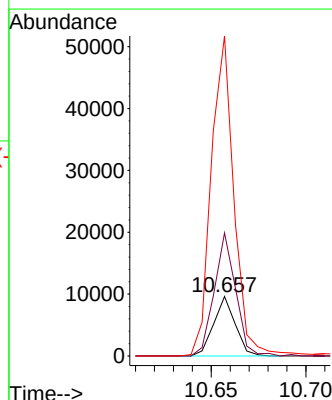
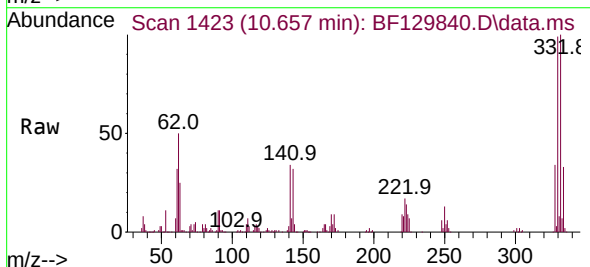
Tgt Ion:248 Resp: 7603

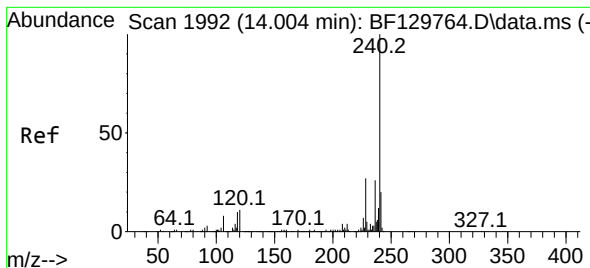
Ion Ratio Lower Upper

248 100

250 206.8 77.8 116.6#

141 537.9 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 1992

Delta R.T. 0.000 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

Instrument :

BNA_F

ClientSampleId :

SB15

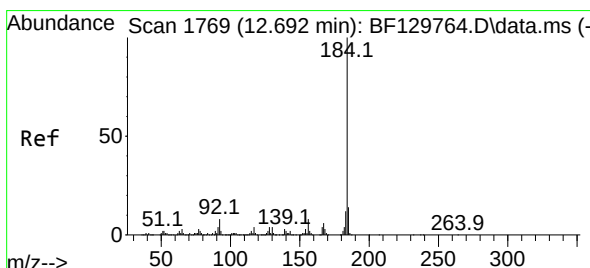
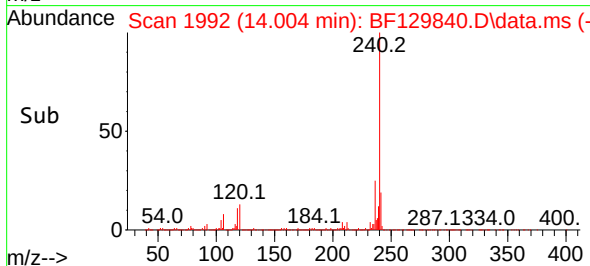
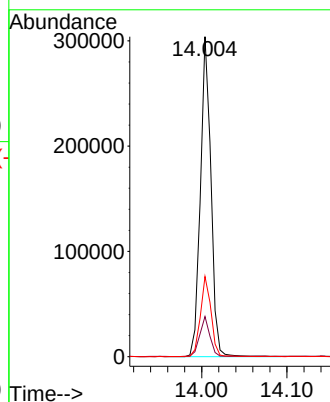
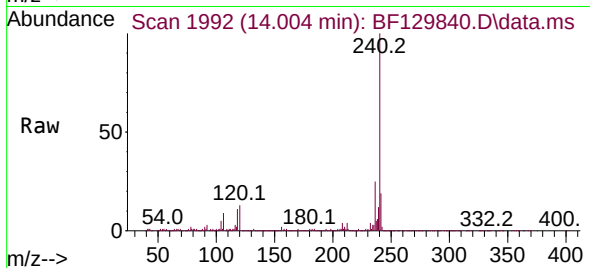
Tgt Ion:240 Resp: 261119

Ion Ratio Lower Upper

240 100

120 12.6 9.2 13.8

236 25.1 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.939 min Scan# 1811

Delta R.T. 0.247 min

Lab File: BF129840.D

Acq: 17 Aug 2022 12:24

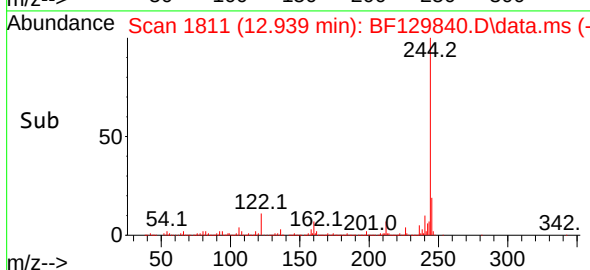
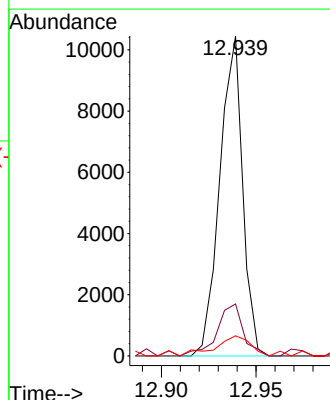
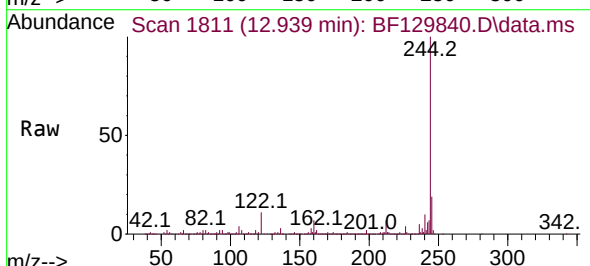
Tgt Ion:184 Resp: 8751

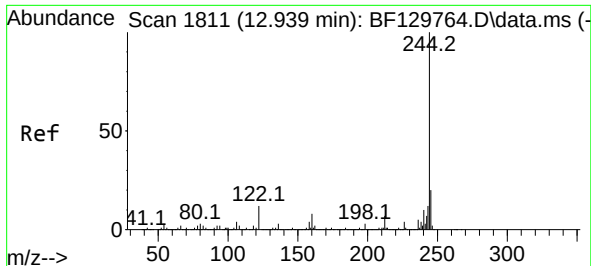
Ion Ratio Lower Upper

184 100

185 16.2 11.4 17.2

183 6.3 9.4 14.2#

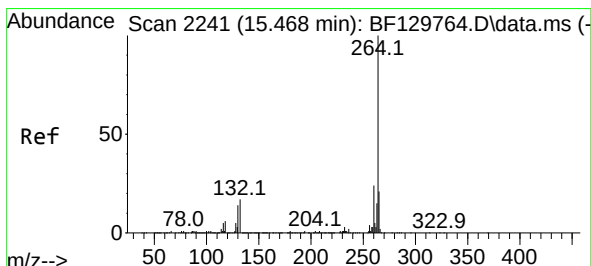
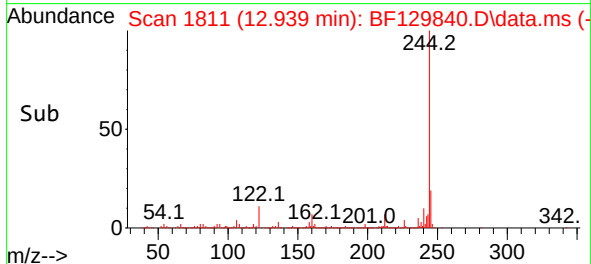
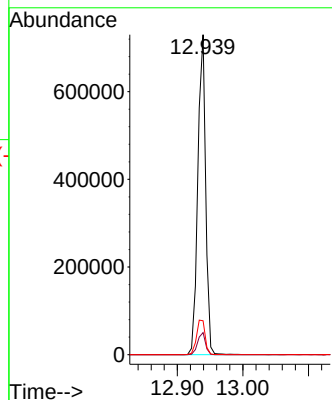
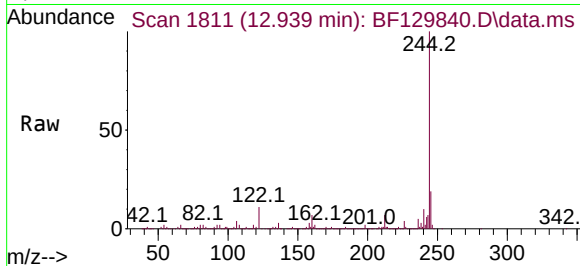




#79
 Terphenyl-d14
 Concen: 38.734 ng
 RT: 12.939 min Scan# 1811
 Delta R.T. 0.000 min
 Lab File: BF129840.D
 Acq: 17 Aug 2022 12:24

Instrument :
 BNA_F
 ClientSampleId :
 SB15

Tgt Ion:244 Resp: 607843
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 10.6 9.9 14.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.480 min Scan# 2243
 Delta R.T. 0.012 min
 Lab File: BF129840.D
 Acq: 17 Aug 2022 12:24

Tgt Ion:264 Resp: 225102
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.1 28.7
 265 20.5 16.7 25.1

