

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129821.D
 Acq On : 16 Aug 2022 20:46
 Operator : CG\JU
 Sample : N4188-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S15

Quant Time: Aug 17 02:38:01 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)

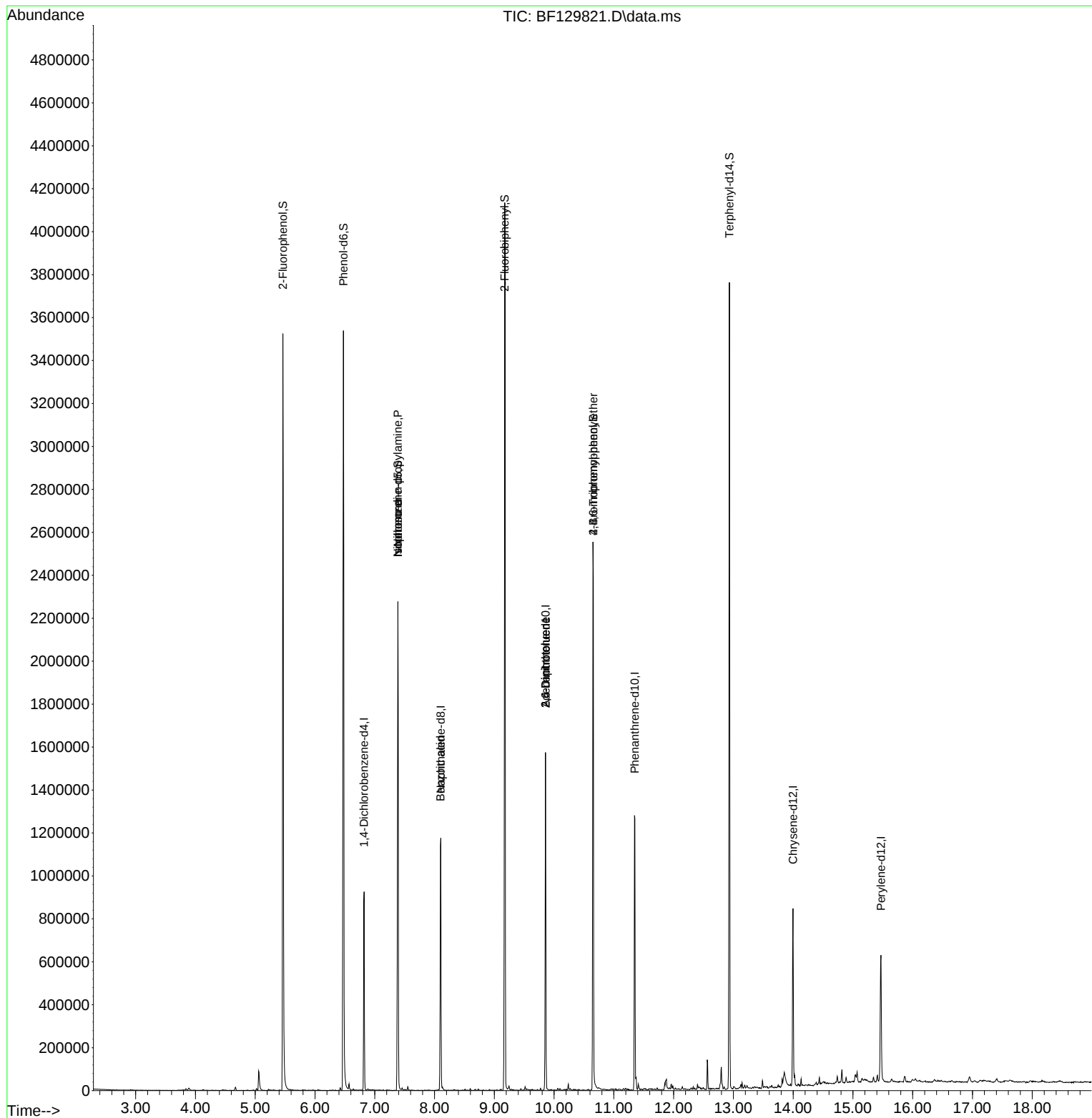
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	141169	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	570698	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	300297	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	491626	20.000	ng	0.00
76) Chrysene-d12	13.998	240	256068	20.000	ng	0.00
86) Perylene-d12	15.468	264	271348	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	988140	115.894	ng	0.00
7) Phenol-d6	6.475	99	1243840	116.495	ng	0.00
23) Nitrobenzene-d5	7.387	82	789473	74.053	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	320566	106.361	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1391268	70.366	ng	-0.01
79) Terphenyl-d14	12.933	244	1186262	77.084	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.410	77	68	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.387	70	104673	15.510	ng	# 75
25) Isophorone	7.387	82	789463	43.025	ng	# 65
32) Benzoic acid	8.098	122	153	2.208	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	39557	8.471	ng	# 22
57) 2,4-Dinitrotoluene	9.857	165	39557	6.525	ng	# 17
67) 4-Bromophenyl-phenylether	10.657	248	20927	3.634	ng	# 1
77) Benzidine	12.933	184	16987	Below Cal	#	91

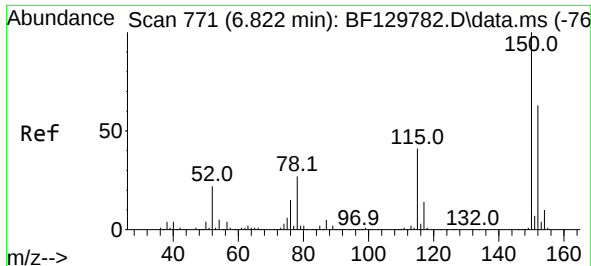
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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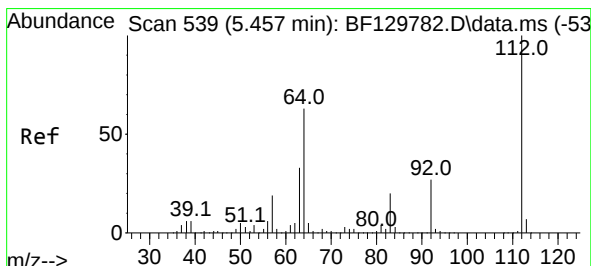
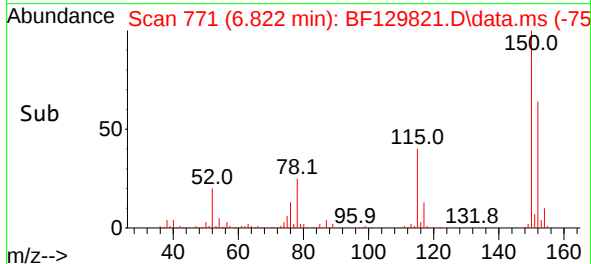
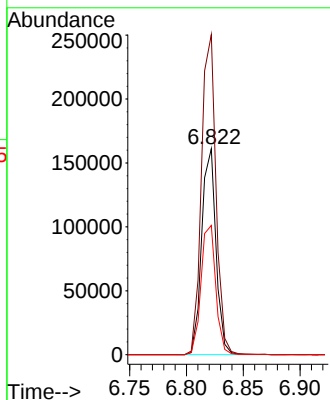
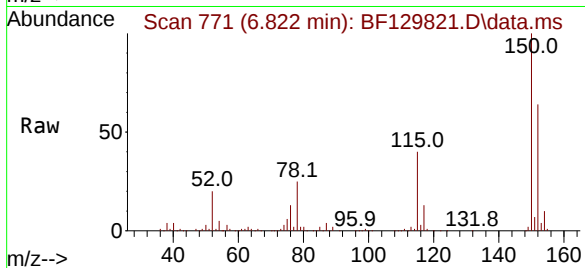




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

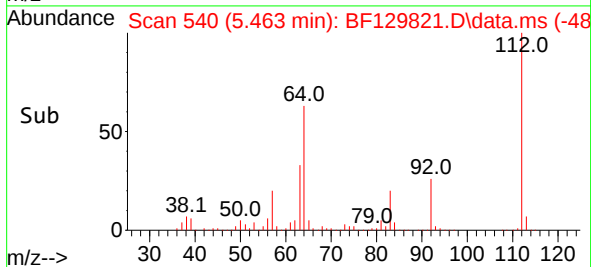
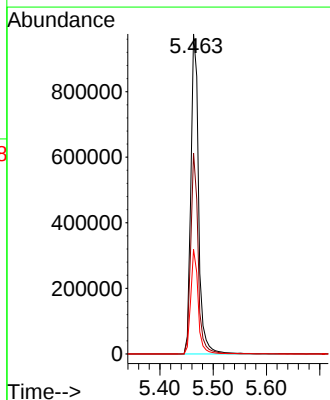
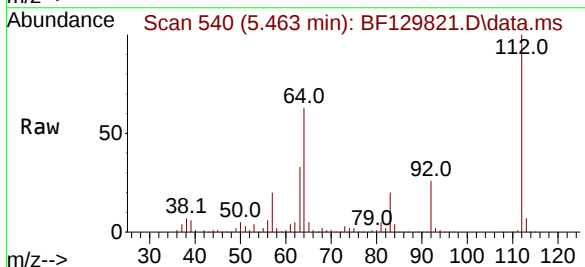
Instrument :
BNA_F
ClientSampleId :
S15

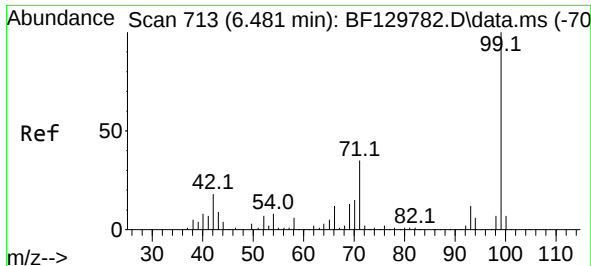
Tgt Ion:152 Resp: 141169
Ion Ratio Lower Upper
152 100
150 155.4 126.9 190.3
115 62.8 53.4 80.0



#5
2-Fluorophenol
Concen: 115.894 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

Tgt Ion:112 Resp: 988140
Ion Ratio Lower Upper
112 100
64 62.8 47.6 71.4
63 32.6 24.6 37.0

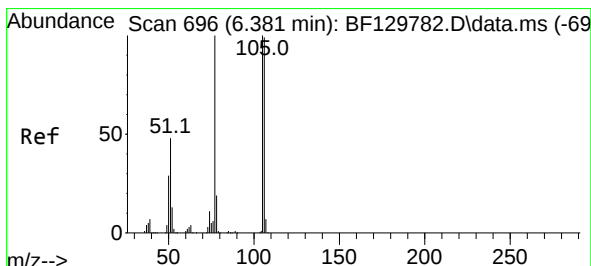
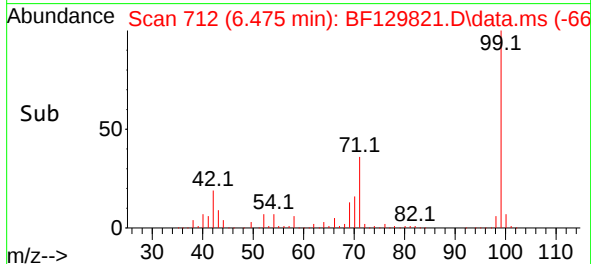
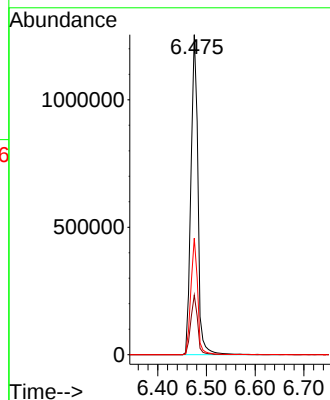
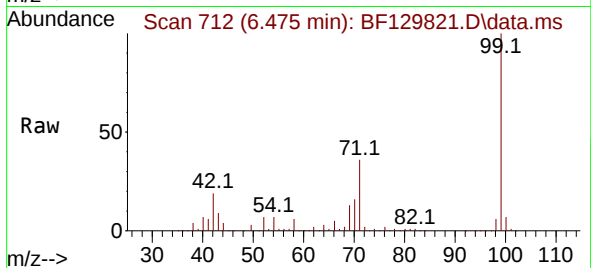




#7
Phenol-d6
Concen: 116.495 ng
RT: 6.475 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

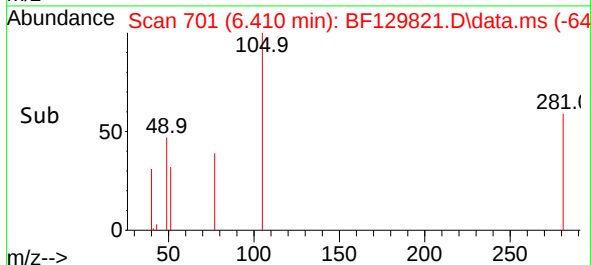
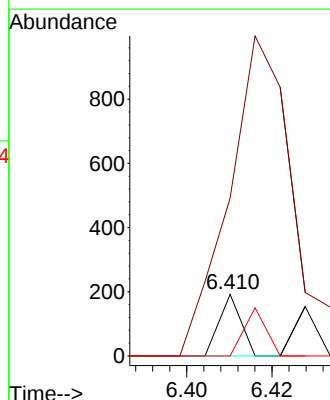
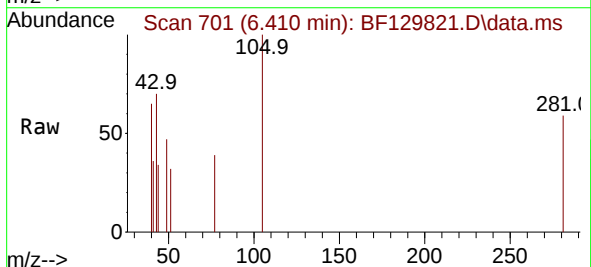
Instrument :
BNA_F
ClientSampleId :
S15

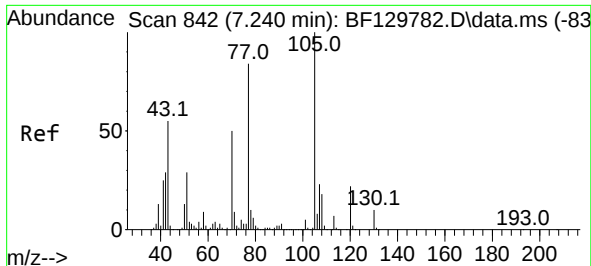
Tgt Ion: 99 Resp: 1243840
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 36.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.410 min Scan# 701
Delta R.T. 0.029 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

Tgt Ion: 77 Resp: 68
Ion Ratio Lower Upper
77 100
105 256.3 80.3 120.3#
106 0.0 74.3 114.3#

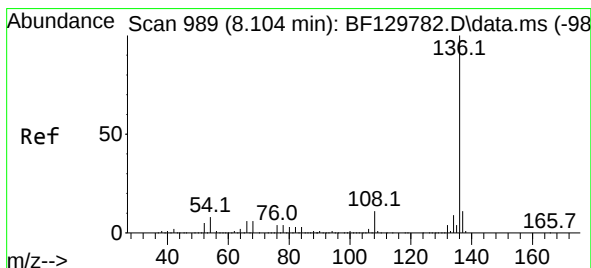
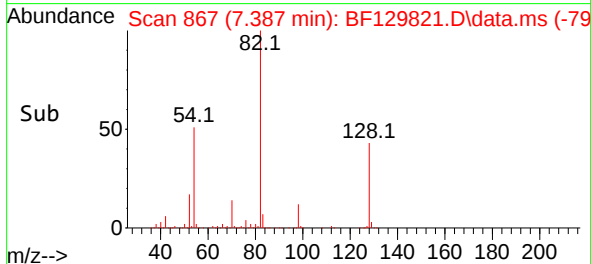
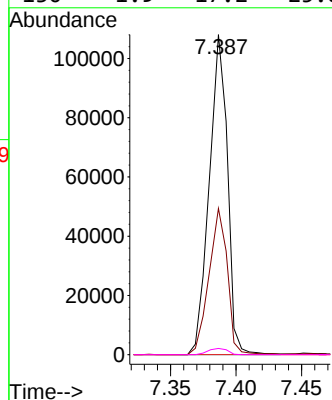
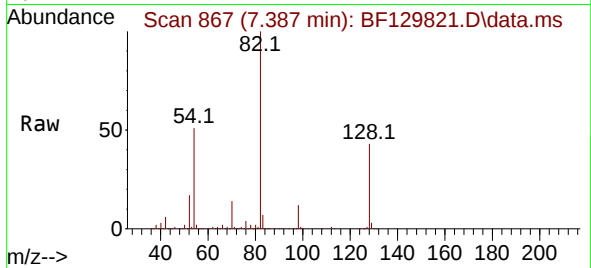




#19
n-Nitroso-di-n-propylamine
Concen: 15.510 ng
RT: 7.387 min Scan# 842
Delta R.T. 0.147 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

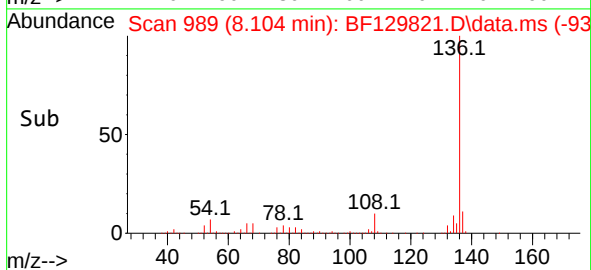
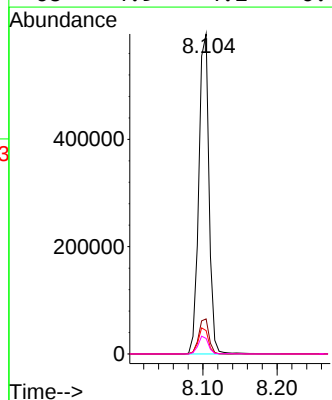
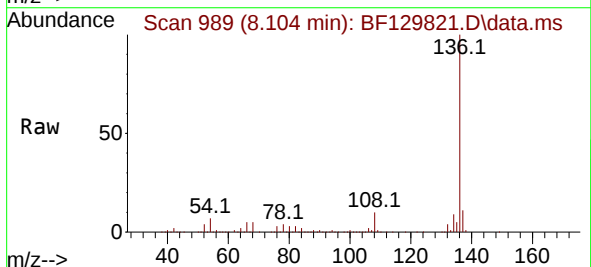
Instrument :
BNA_F
ClientSampleId :
S15

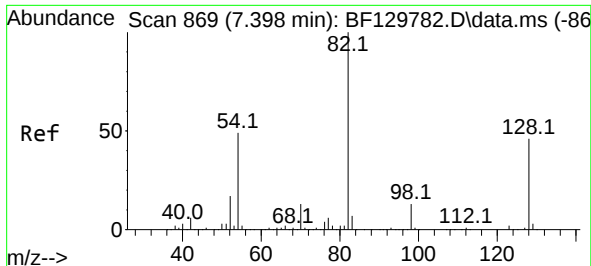
Tgt Ion: 70 Resp: 104673
Ion Ratio Lower Upper
70 100
42 45.7 47.6 71.4#
101 0.0 8.1 12.1#
130 1.9 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

Tgt Ion: 136 Resp: 570698
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.3 6.2 9.2
68 4.9 4.2 6.4

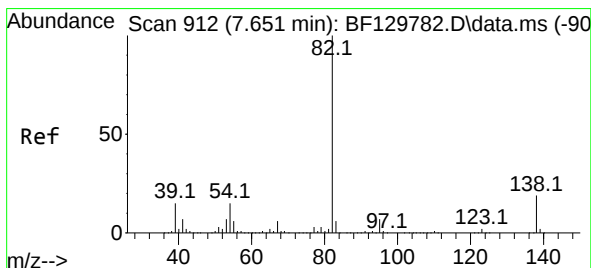
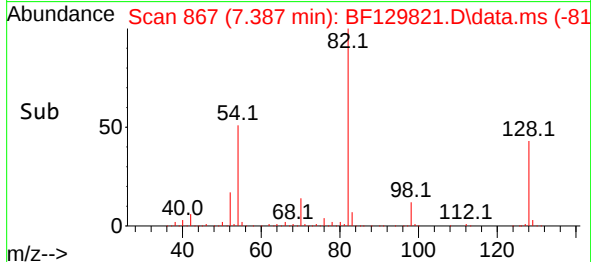
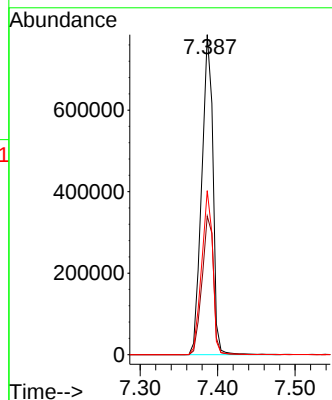
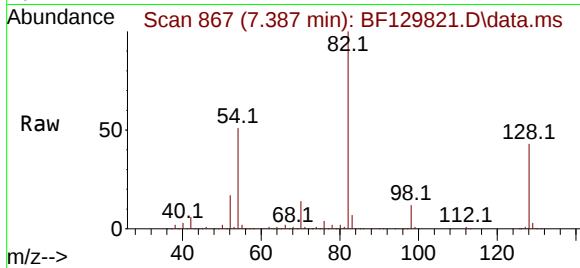




#23
Nitrobenzene-d5
Concen: 74.053 ng
RT: 7.387 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

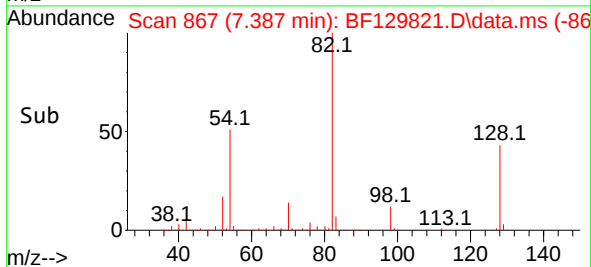
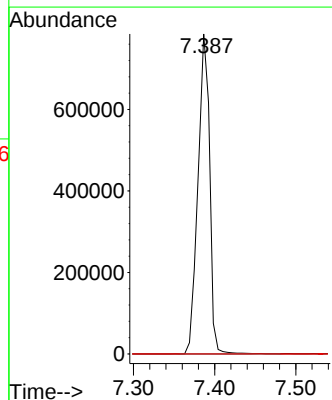
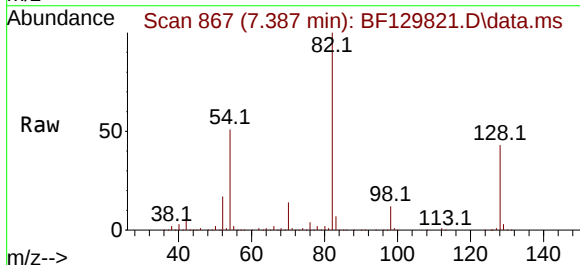
Instrument :
BNA_F
ClientSampleId :
S15

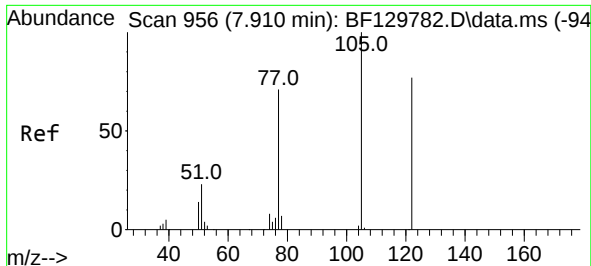
Tgt Ion: 82 Resp: 789473
Ion Ratio Lower Upper
82 100
128 43.3 36.1 54.1
54 51.3 40.0 60.0



#25
Isophorone
Concen: 43.025 ng
RT: 7.387 min Scan# 867
Delta R.T. -0.265 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

Tgt Ion: 82 Resp: 789463
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

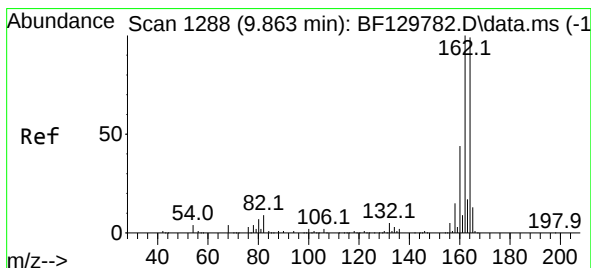
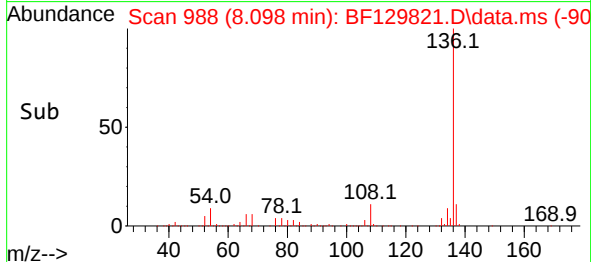
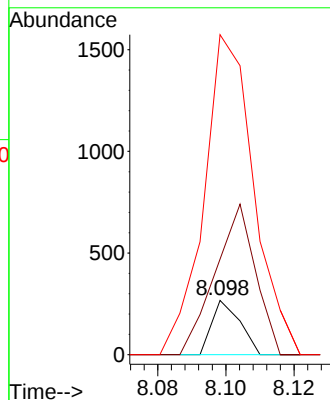
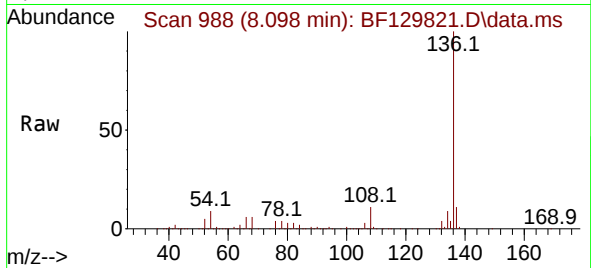




#32
Benzoic acid
Concen: 2.208 ng
RT: 8.098 min Scan# 91
Delta R.T. 0.182 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

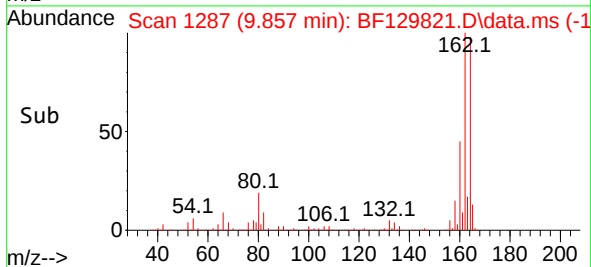
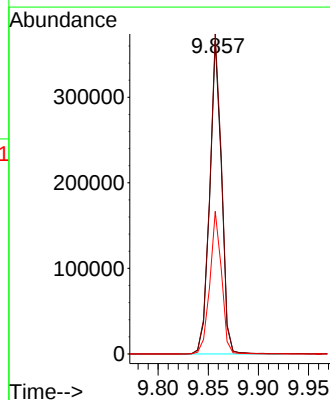
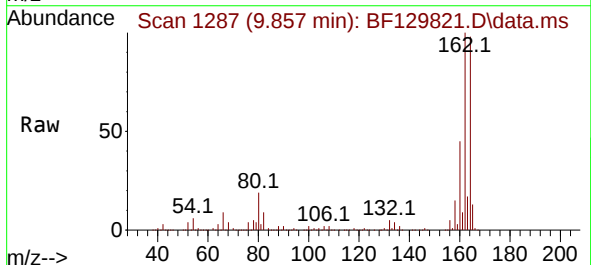
Instrument :
BNA_F
ClientSampleId :
S15

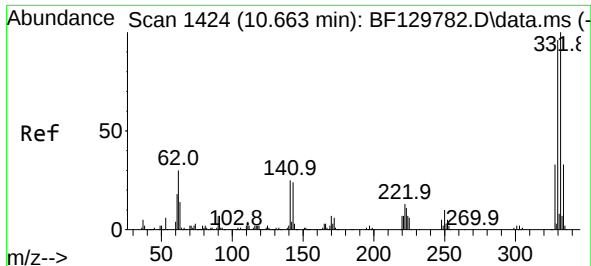
Tgt Ion:122 Resp: 153
Ion Ratio Lower Upper
122 100
105 176.0 99.9 139.9#
77 589.5 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

Tgt Ion:164 Resp: 300297
Ion Ratio Lower Upper
164 100
162 102.2 82.0 123.0
160 45.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 106.361 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129821.D

Acq: 16 Aug 2022 20:46

Instrument :

BNA_F

ClientSampleId :

S15

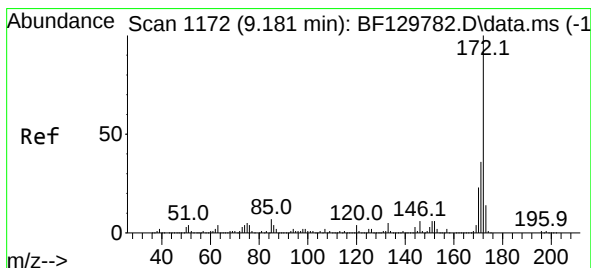
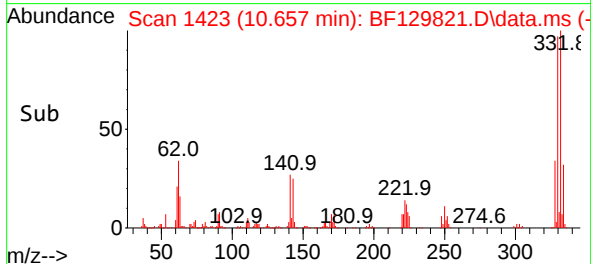
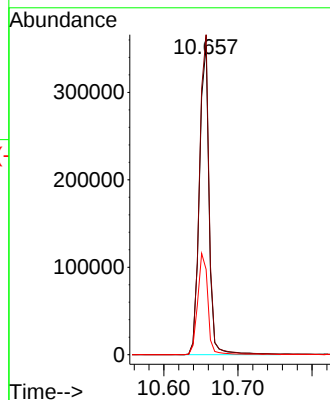
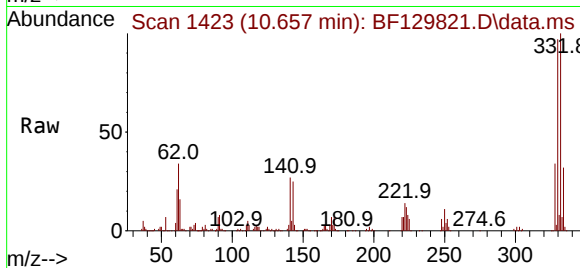
Tgt Ion:330 Resp: 320566

Ion Ratio Lower Upper

330 100

332 103.9 82.6 124.0

141 34.3 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 70.366 ng

RT: 9.175 min Scan# 1171

Delta R.T. -0.012 min

Lab File: BF129821.D

Acq: 16 Aug 2022 20:46

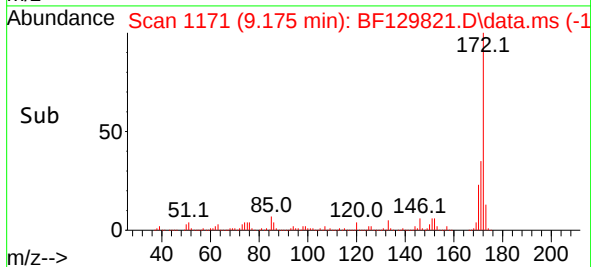
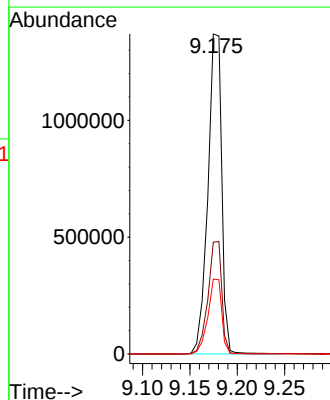
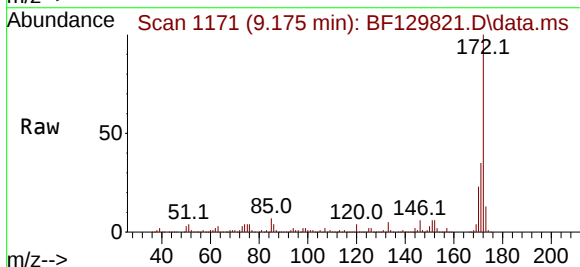
Tgt Ion:172 Resp: 1391268

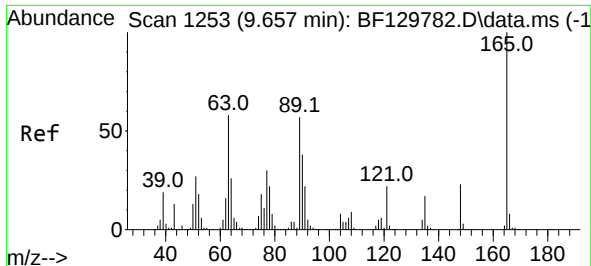
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.4 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.471 ng

RT: 9.857 min Scan# 1287

Delta R.T. 0.200 min

Lab File: BF129821.D

Acq: 16 Aug 2022 20:46

Instrument :

BNA_F

ClientSampleId :

S15

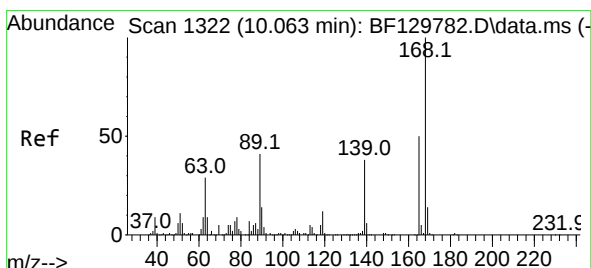
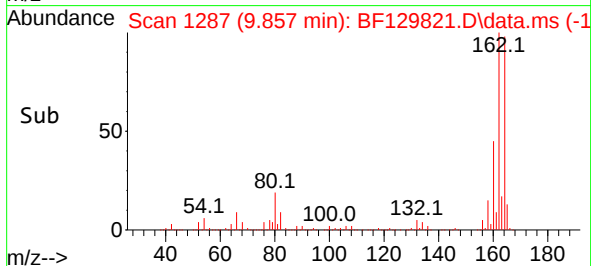
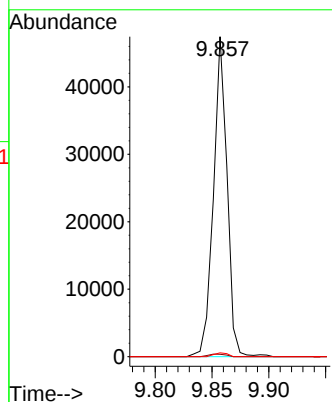
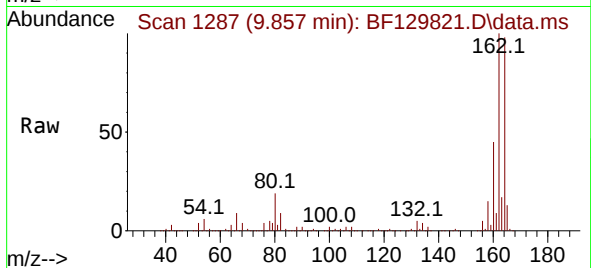
Tgt Ion:165 Resp: 39557

Ion Ratio Lower Upper

165 100

63 0.8 47.8 71.8#

89 1.2 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.525 ng

RT: 9.857 min Scan# 1287

Delta R.T. -0.212 min

Lab File: BF129821.D

Acq: 16 Aug 2022 20:46

Tgt Ion:165 Resp: 39557

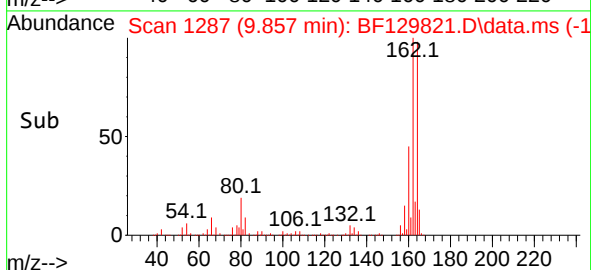
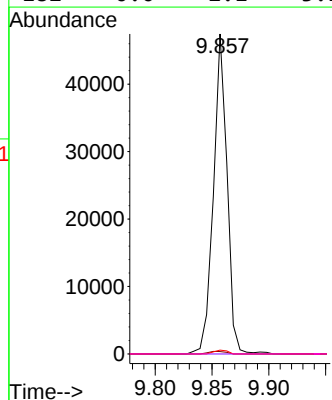
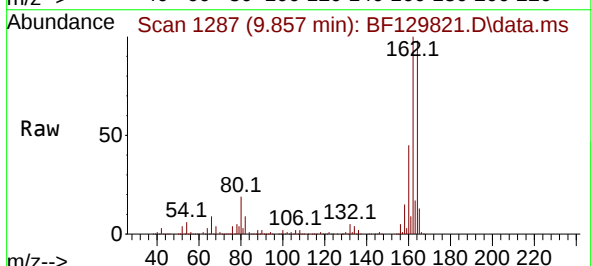
Ion Ratio Lower Upper

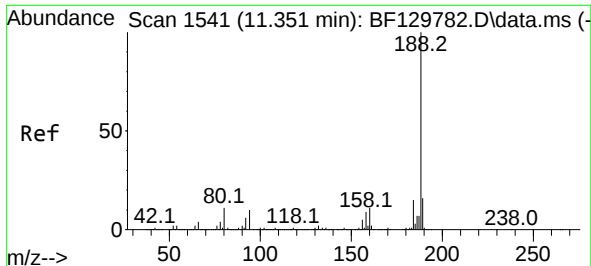
165 100

63 0.8 48.4 72.6#

89 1.2 62.3 93.5#

182 0.0 2.1 3.1#

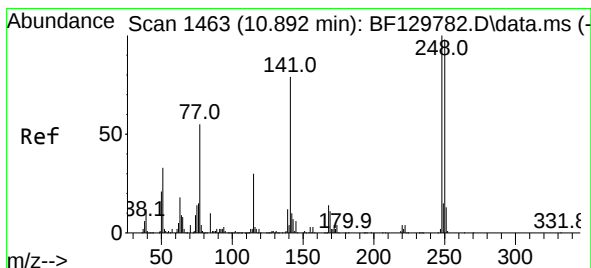
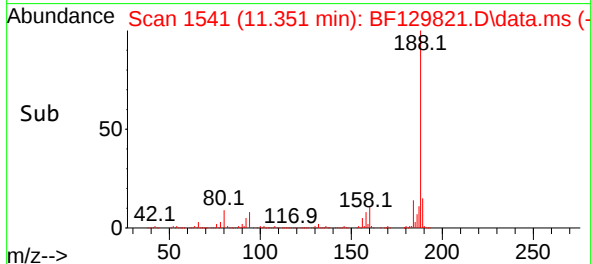
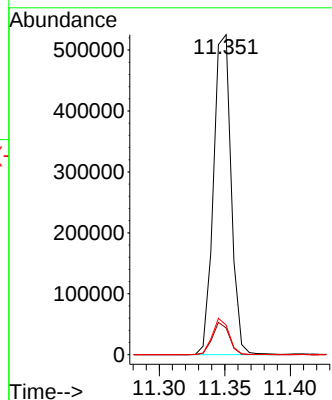
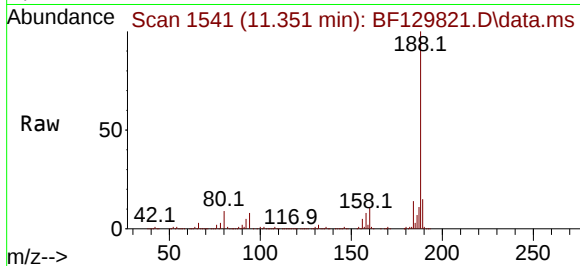




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

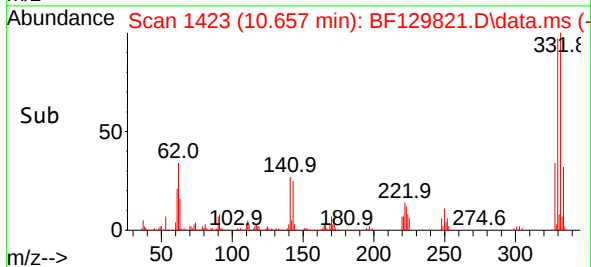
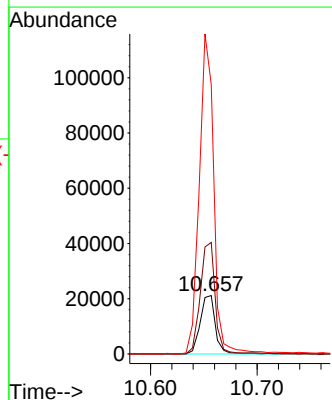
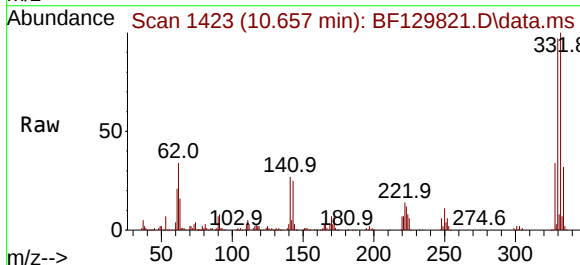
Instrument :
BNA_F
ClientSampleId :
S15

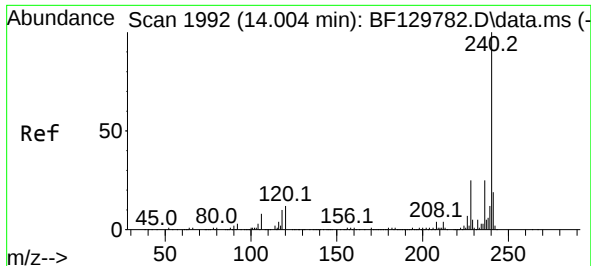
Tgt Ion:188 Resp: 491626
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 9.3 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.634 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.235 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

Tgt Ion:248 Resp: 20927
Ion Ratio Lower Upper
248 100
250 190.8 77.8 116.6#
141 461.1 66.2 99.2#

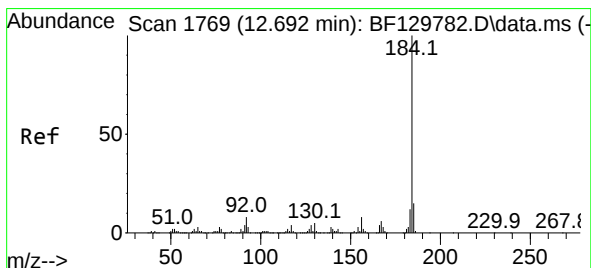
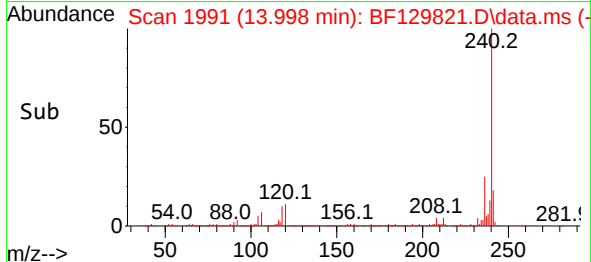
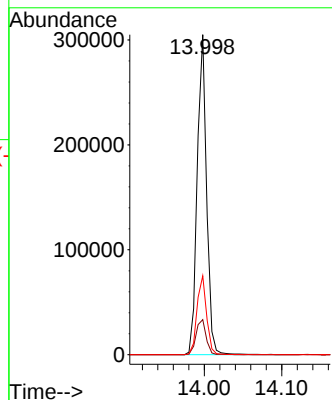
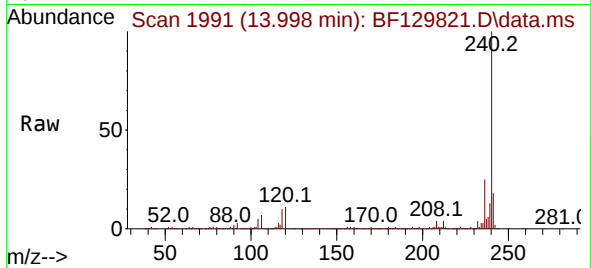




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

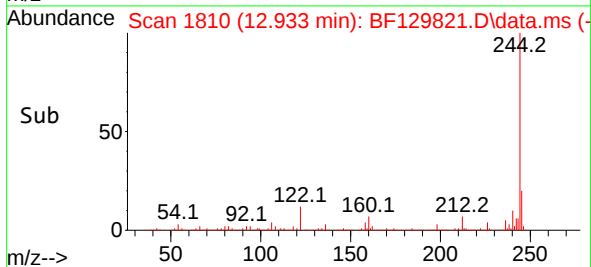
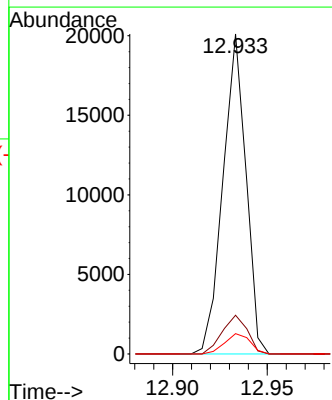
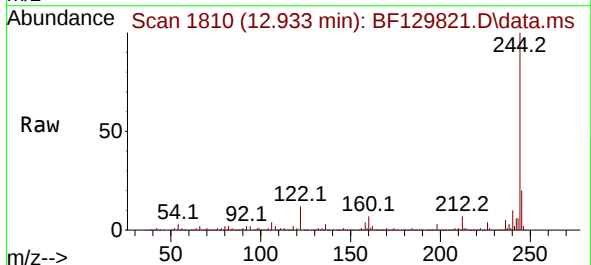
Instrument :
BNA_F
ClientSampleId :
S15

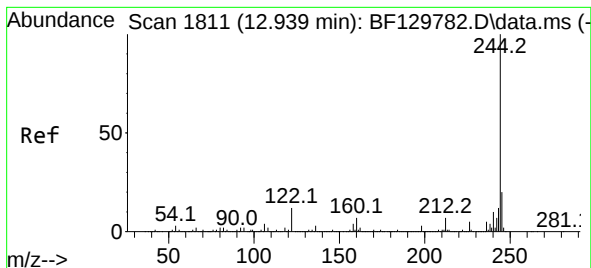
Tgt Ion:240 Resp: 256068
Ion Ratio Lower Upper
240 100
120 10.9 9.2 13.8
236 24.6 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.933 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF129821.D
Acq: 16 Aug 2022 20:46

Tgt Ion:184 Resp: 16987
Ion Ratio Lower Upper
184 100
185 12.1 11.4 17.2
183 6.3 9.4 14.2#





#79

Terphenyl-d14

Concen: 77.084 ng

RT: 12.933 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF129821.D

Acq: 16 Aug 2022 20:46

Instrument :

BNA_F

ClientSampleId :

S15

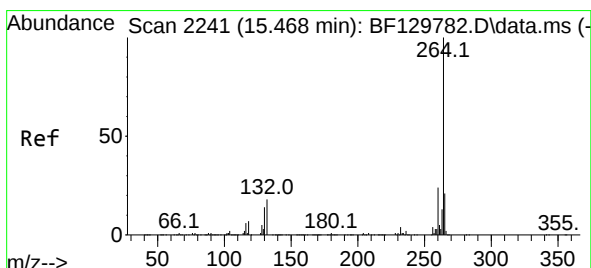
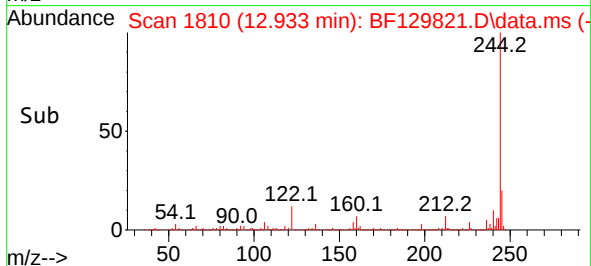
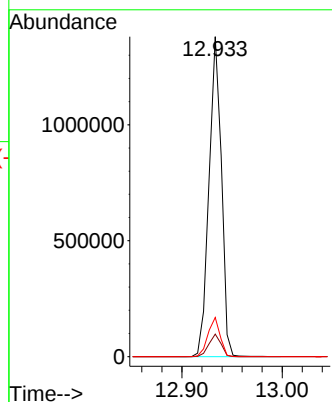
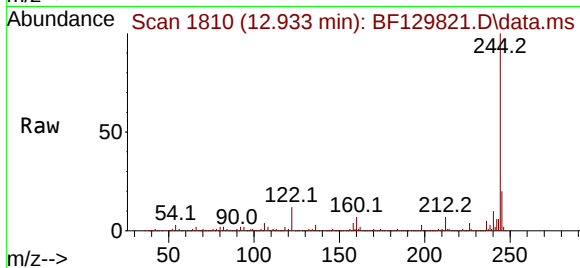
Tgt Ion:244 Resp: 1186262

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 12.2 9.9 14.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2241

Delta R.T. -0.000 min

Lab File: BF129821.D

Acq: 16 Aug 2022 20:46

Tgt Ion:264 Resp: 271348

Ion Ratio Lower Upper

264 100

260 22.6 19.1 28.7

265 20.5 16.7 25.1

