

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081822\
 Data File : BF129882.D
 Acq On : 18 Aug 2022 18:38
 Operator : CG\JU
 Sample : N4200-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S13

Quant Time: Aug 19 01:01:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 12:03:10 2022
 Response via : Initial Calibration

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

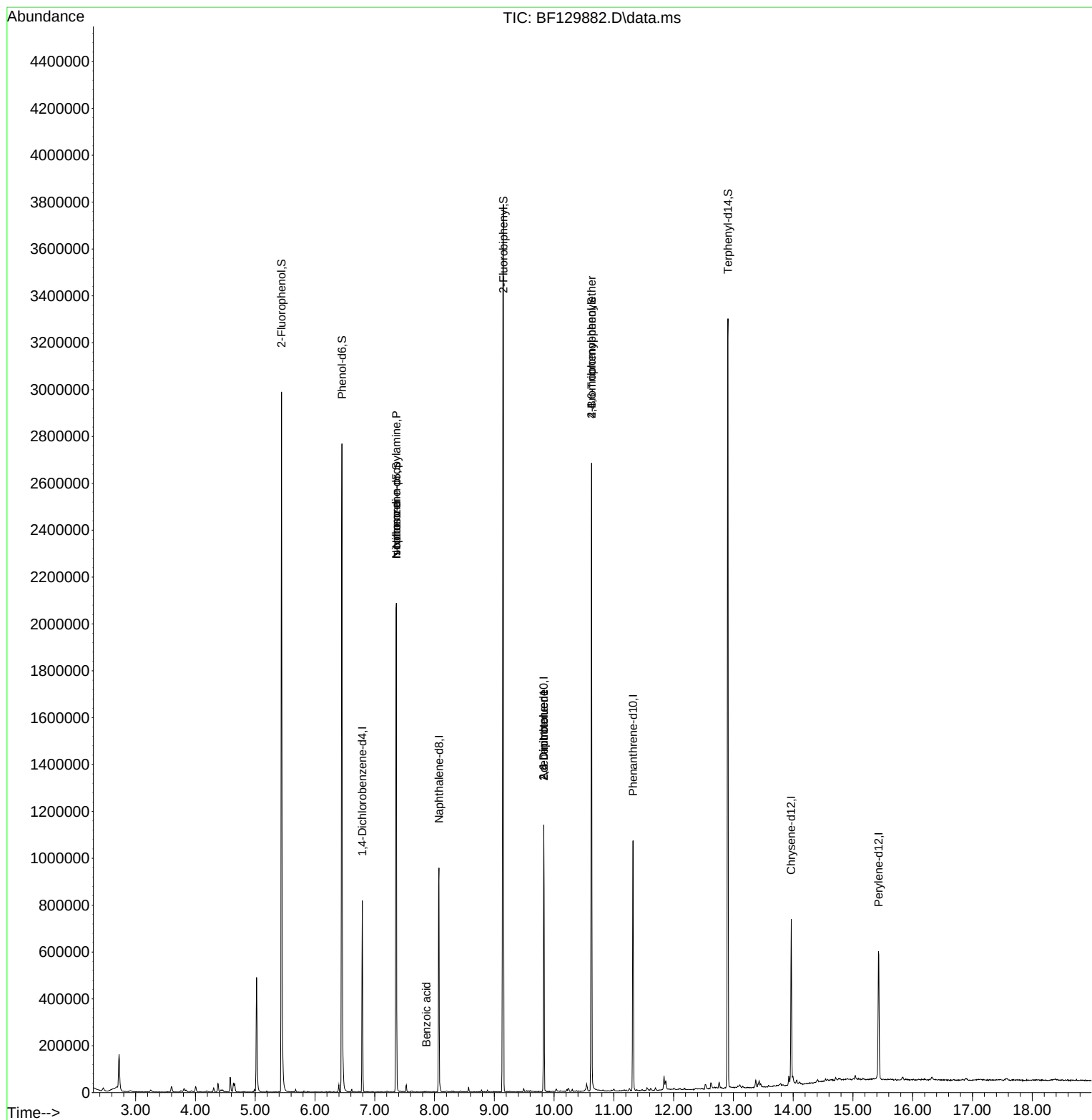
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	109024	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	435533	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	228259	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	357714	20.000	ng	0.00
76) Chrysene-d12	13.968	240	224487	20.000	ng	0.00
86) Perylene-d12	15.427	264	244651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	837072	127.122	ng	0.01
7) Phenol-d6	6.451	99	940433	114.048	ng	0.00
23) Nitrobenzene-d5	7.363	82	723037	88.869	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	303548	132.500	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1296447	86.264	ng	0.00
79) Terphenyl-d14	12.910	244	1206692	89.442	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.339	77	77	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.363	70	95004	18.227	ng	# 76
25) Isophorone	7.363	82	723028	51.633	ng	# 65
32) Benzoic acid	7.863	122	770	2.540	ng	# 71
51) 2,6-Dinitrotoluene	9.828	165	28996	8.169	ng	# 23
57) 2,4-Dinitrotoluene	9.828	165	28996	6.293	ng	# 18
67) 4-Bromophenyl-phenylether	10.627	248	18732	4.471	ng	# 1
77) Benzidine	12.668	184	813	Below Cal	#	54

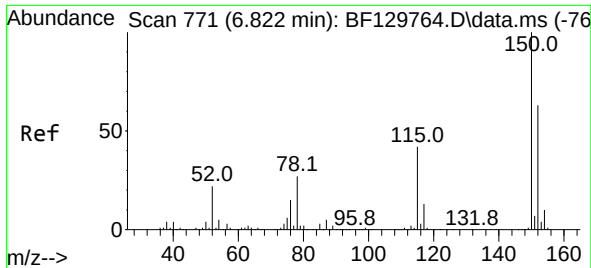
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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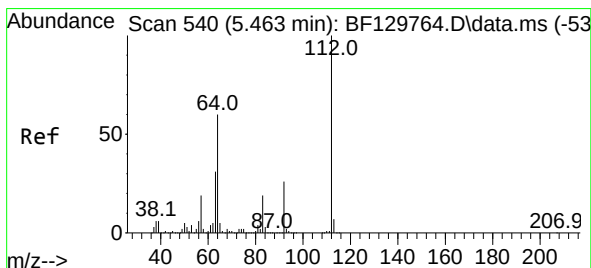
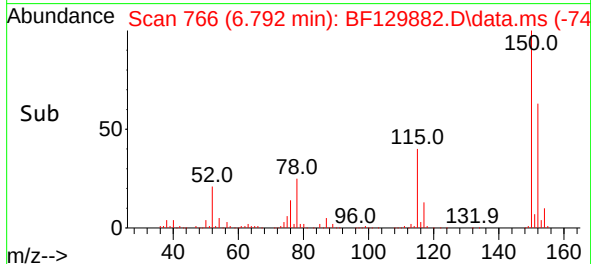
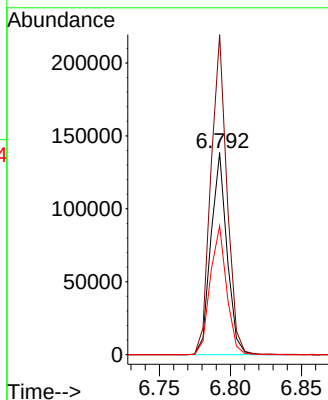
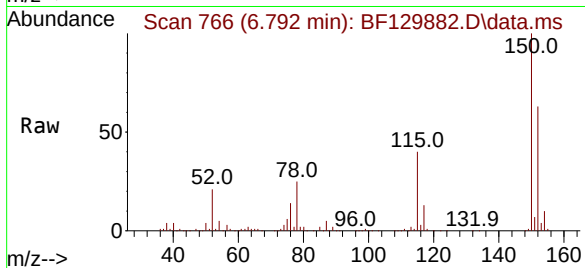




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

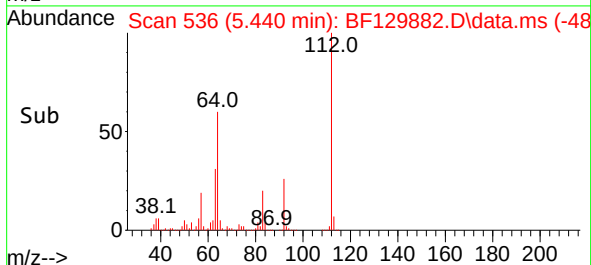
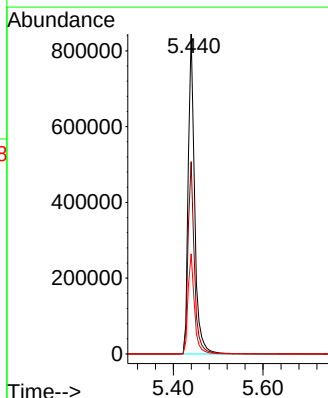
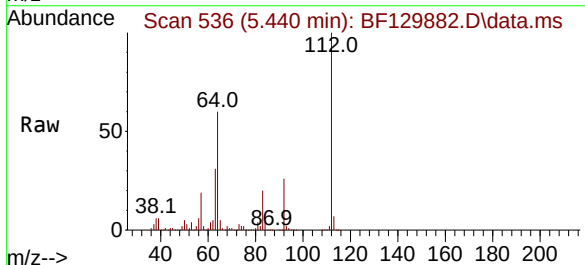
Instrument :
BNA_F
ClientSampleId :
S13

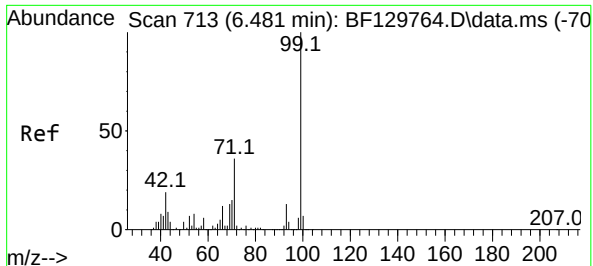
Tgt Ion:152 Resp: 109024
Ion Ratio Lower Upper
152 100
150 158.3 126.9 190.3
115 63.7 53.4 80.0



#5
2-Fluorophenol
Concen: 127.122 ng
RT: 5.440 min Scan# 536
Delta R.T. 0.012 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

Tgt Ion:112 Resp: 837072
Ion Ratio Lower Upper
112 100
64 60.1 47.6 71.4
63 31.3 24.6 37.0

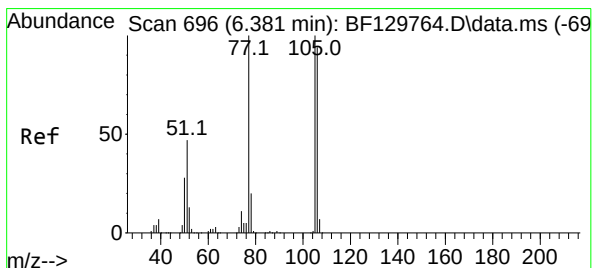
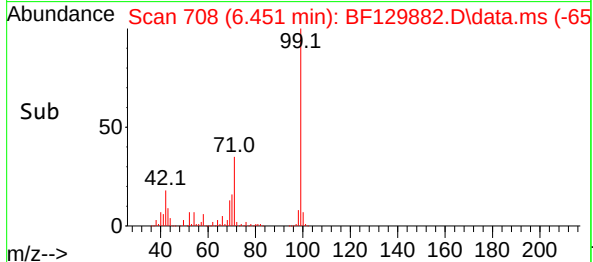
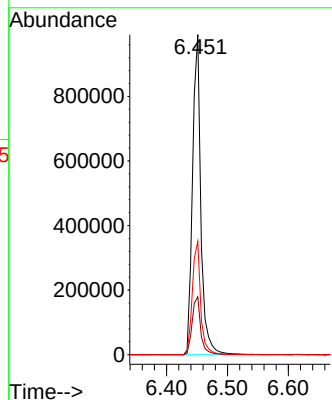
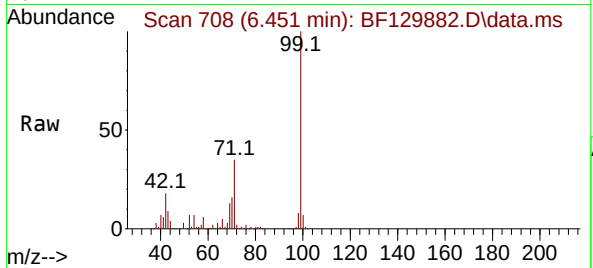




#7
Phenol-d6
Concen: 114.048 ng
RT: 6.451 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

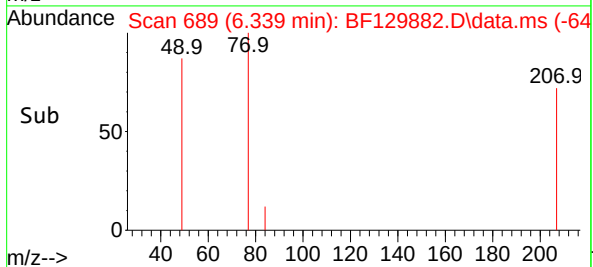
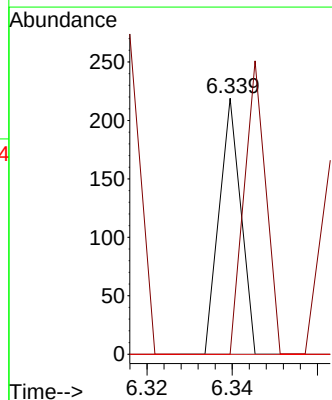
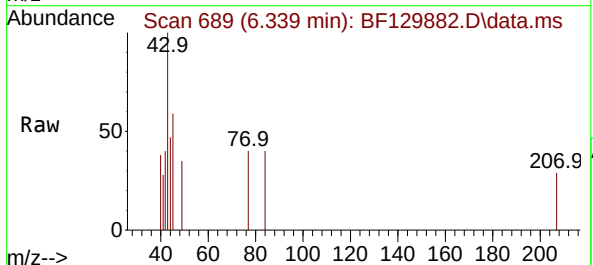
Instrument :
BNA_F
ClientSampleId :
S13

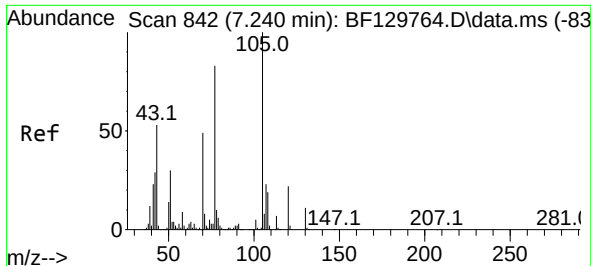
Tgt Ion: 99 Resp: 940433
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.4
71 35.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.339 min Scan# 689
Delta R.T. -0.012 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

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

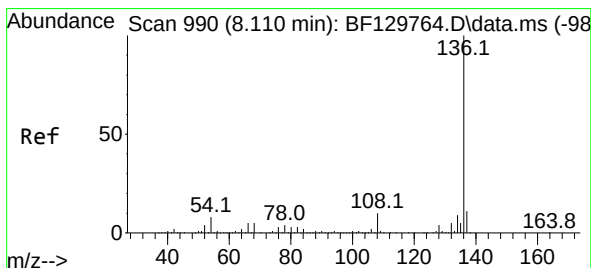
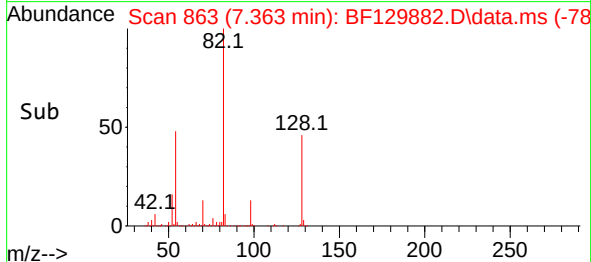
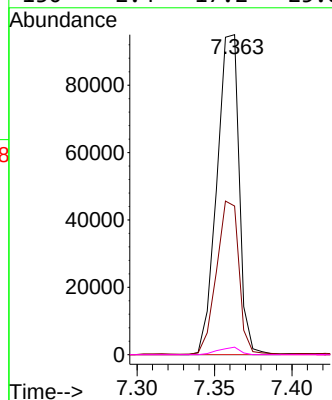
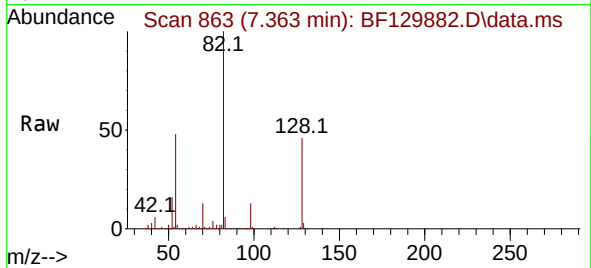




#19
n-Nitroso-di-n-propylamine
Concen: 18.227 ng
RT: 7.363 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

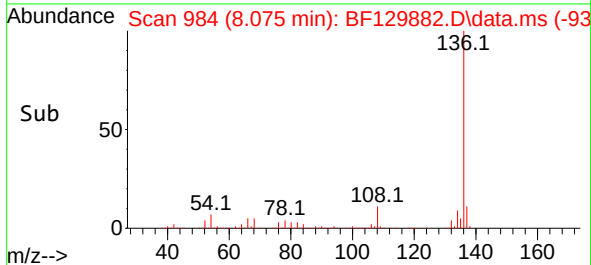
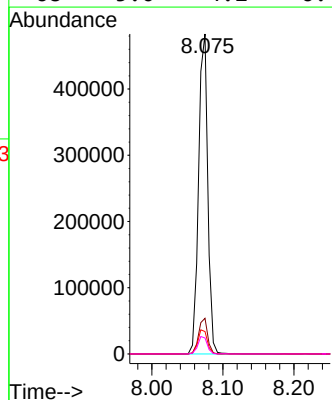
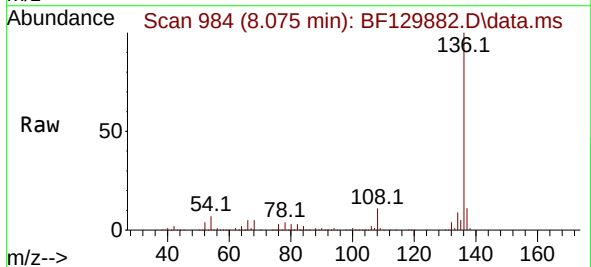
Instrument :
BNA_F
ClientSampleId :
S13

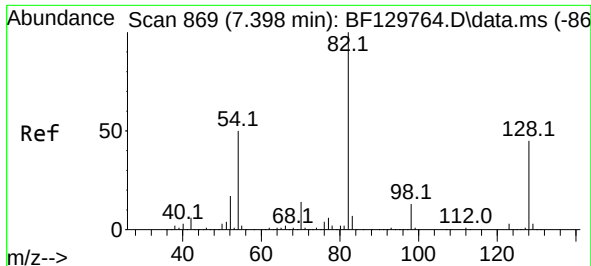
Tgt Ion: 70 Resp: 95004
Ion Ratio Lower Upper
70 100
42 46.5 47.6 71.4#
101 0.0 8.1 12.1#
130 2.4 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

Tgt Ion: 136 Resp: 435533
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.0 6.2 9.2
68 5.0 4.2 6.4

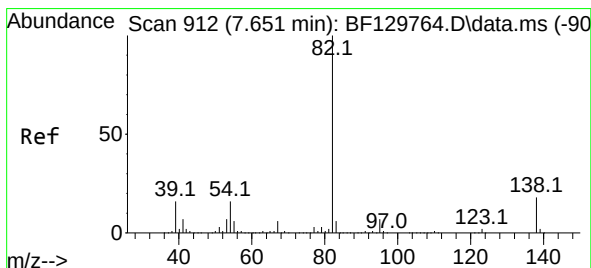
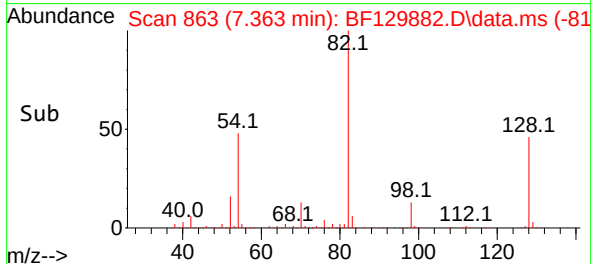
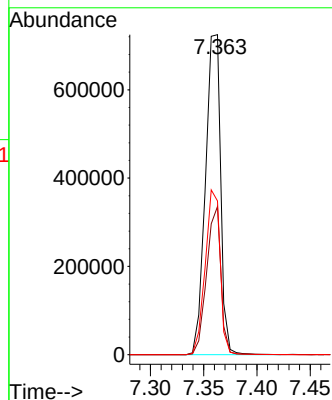
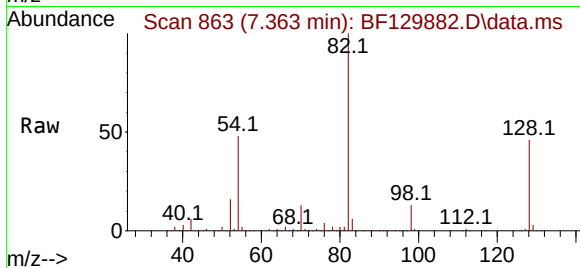




#23
Nitrobenzene-d5
Concen: 88.869 ng
RT: 7.363 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

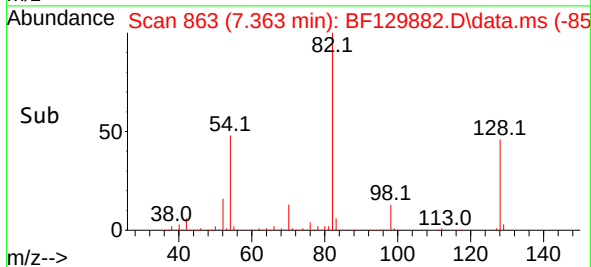
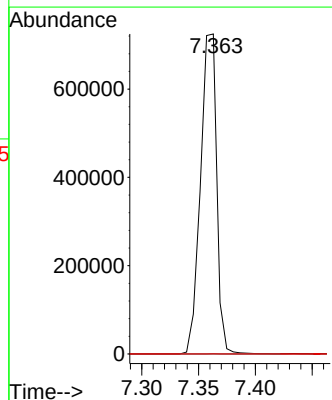
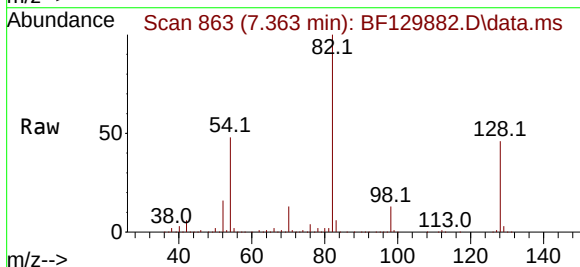
Instrument :
BNA_F
ClientSampleId :
S13

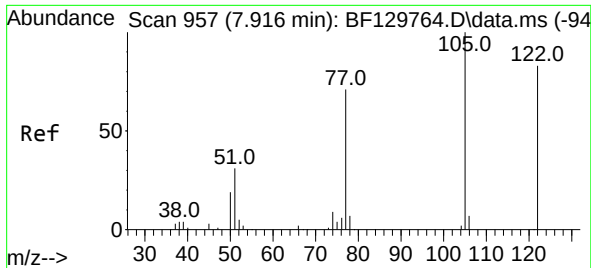
Tgt Ion: 82 Resp: 723037
Ion Ratio Lower Upper
82 100
128 46.3 36.1 54.1
54 48.0 40.0 60.0



#25
Isophorone
Concen: 51.633 ng
RT: 7.363 min Scan# 863
Delta R.T. -0.259 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

Tgt Ion: 82 Resp: 723028
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

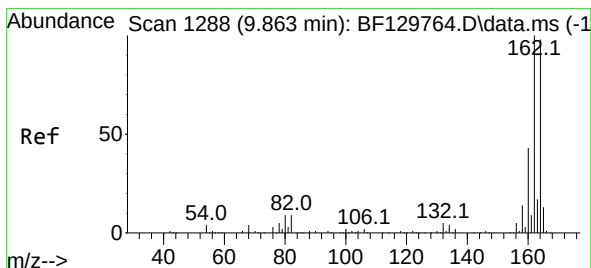
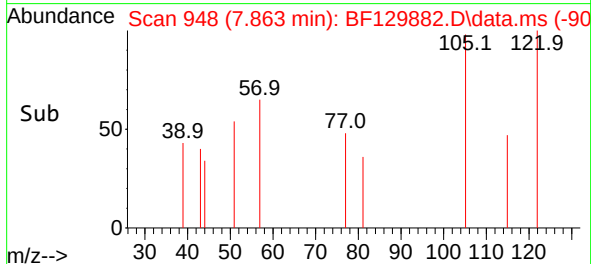
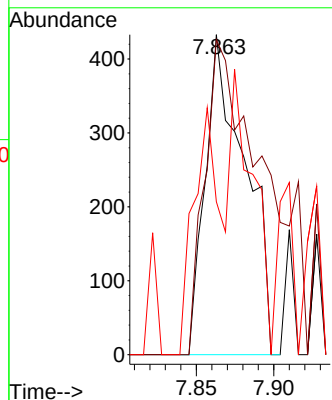
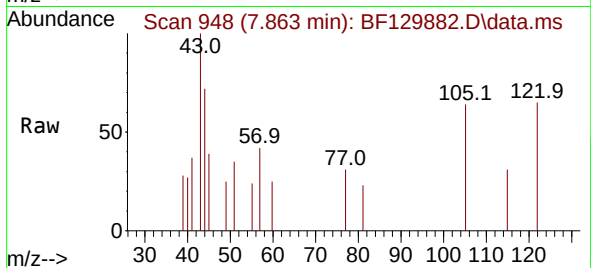




#32
Benzoic acid
Concen: 2.540 ng
RT: 7.863 min Scan# 94
Delta R.T. -0.023 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

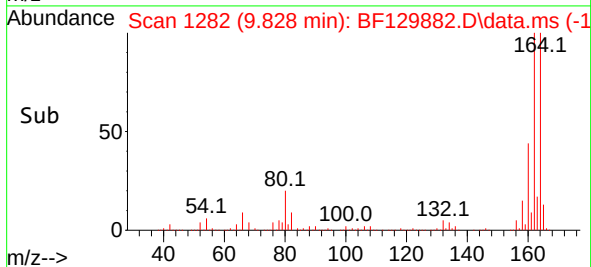
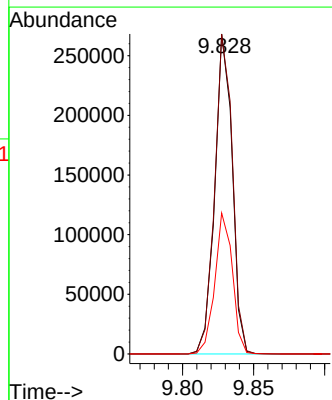
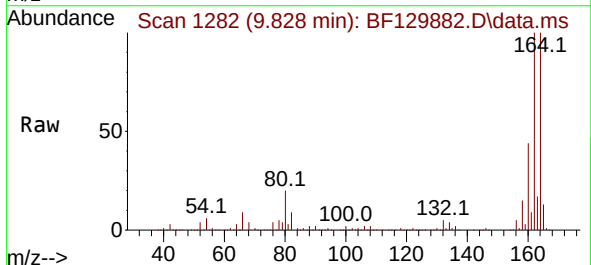
Instrument :
BNA_F
ClientSampleId :
S13

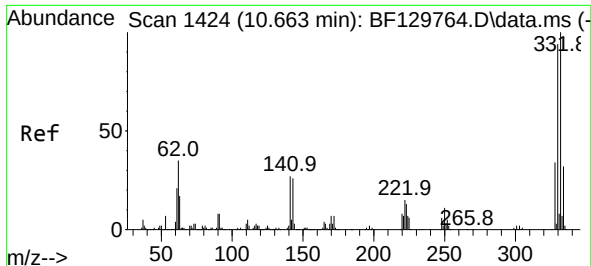
Tgt Ion:122 Resp: 770
Ion Ratio Lower Upper
122 100
105 98.4 99.9 139.9#
77 47.8 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

Tgt Ion:164 Resp: 228259
Ion Ratio Lower Upper
164 100
162 99.8 82.0 123.0
160 44.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 132.500 ng

RT: 10.627 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF129882.D

Acq: 18 Aug 2022 18:38

Instrument :

BNA_F

ClientSampleId :

S13

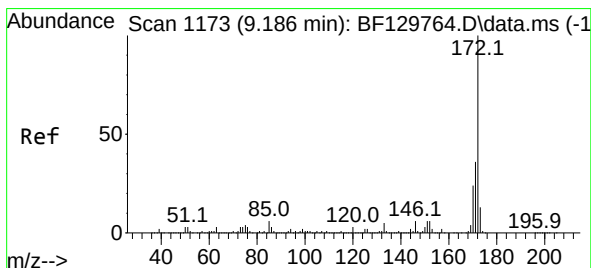
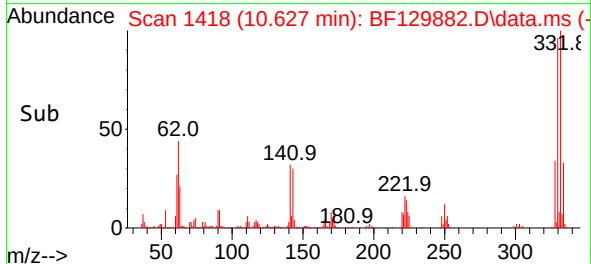
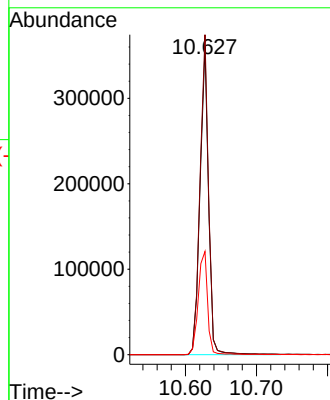
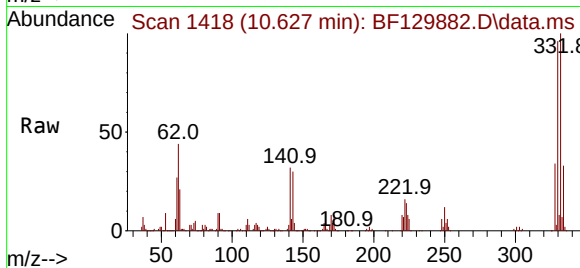
Tgt Ion:330 Resp: 303548

Ion Ratio Lower Upper

330 100

332 103.4 82.6 124.0

141 36.6 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 86.264 ng

RT: 9.151 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF129882.D

Acq: 18 Aug 2022 18:38

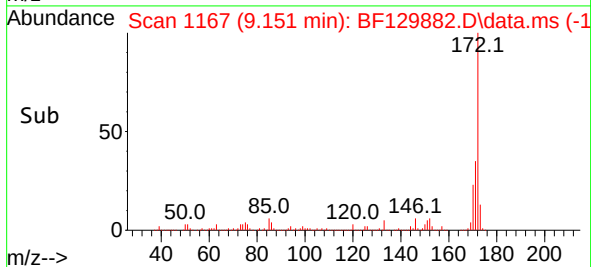
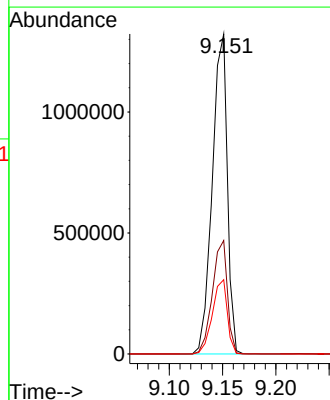
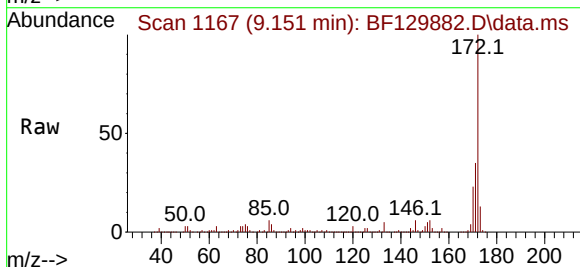
Tgt Ion:172 Resp: 1296447

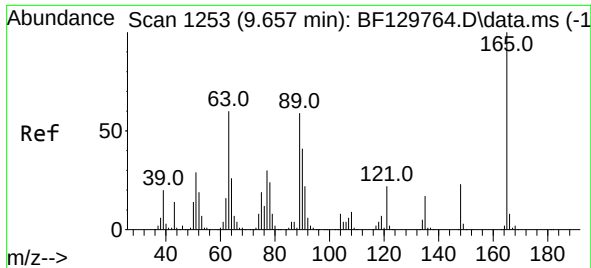
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.2 19.1 28.7

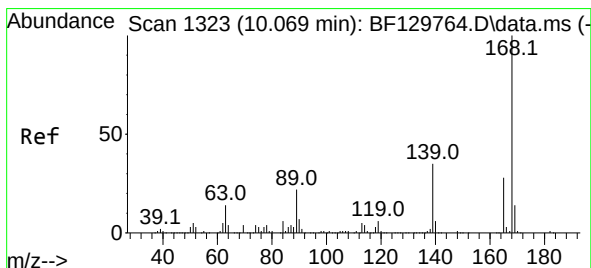
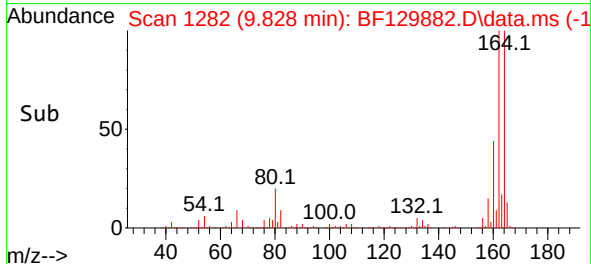
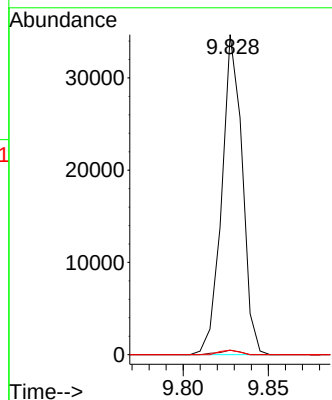
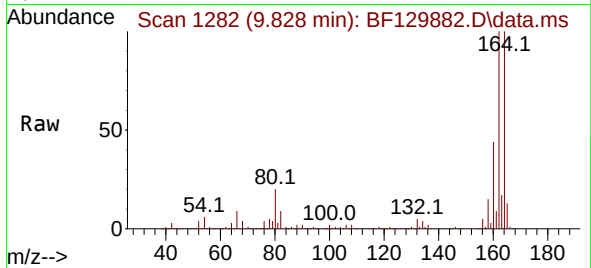




#51
2,6-Dinitrotoluene
Concen: 8.169 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

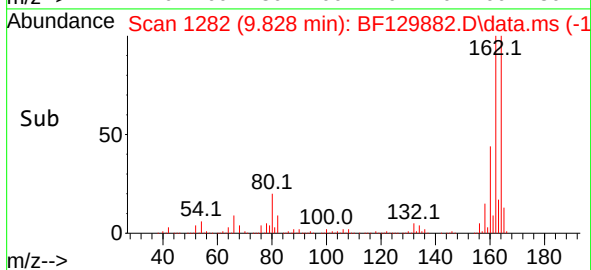
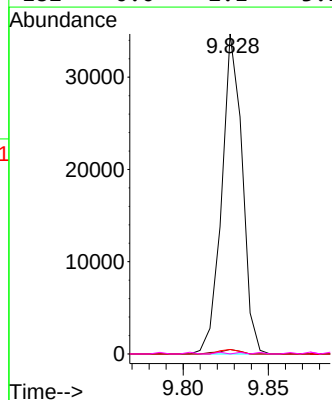
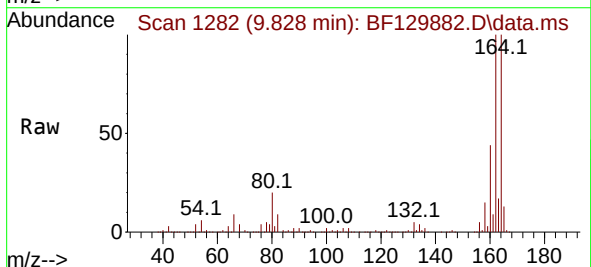
Instrument :
BNA_F
ClientSampleId :
S13

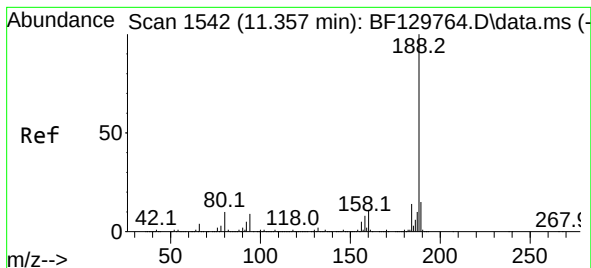
Tgt Ion:165 Resp: 28996
Ion Ratio Lower Upper
165 100
63 1.4 47.8 71.8#
89 1.4 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.293 ng
RT: 9.828 min Scan# 1282
Delta R.T. -0.212 min
Lab File: BF129882.D
Acq: 18 Aug 2022 18:38

Tgt Ion:165 Resp: 28996
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.4 62.3 93.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129882.D

Acq: 18 Aug 2022 18:38

Instrument :

BNA_F

ClientSampleId :

S13

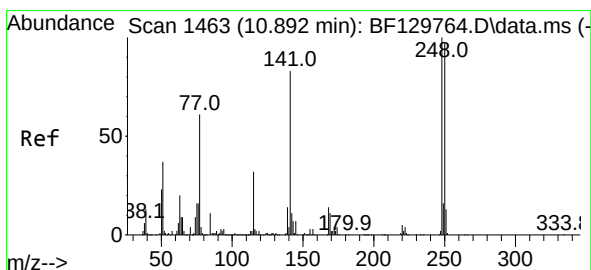
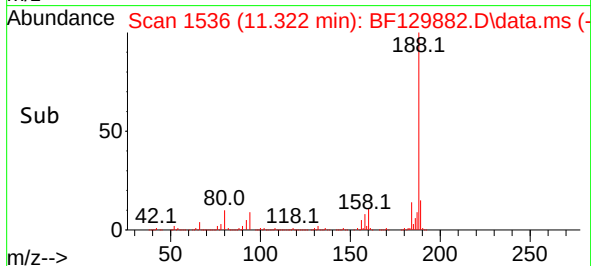
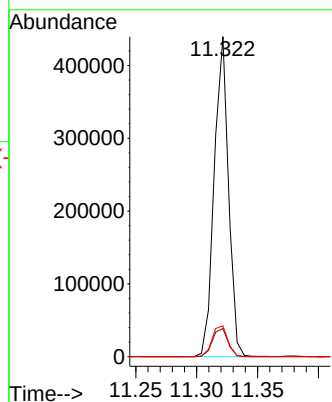
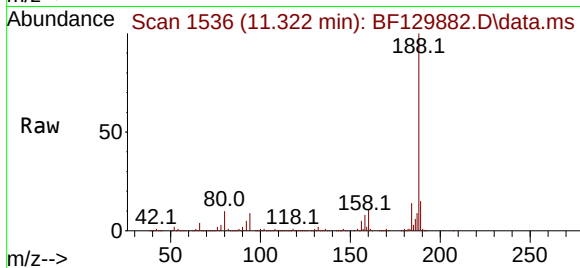
Tgt Ion:188 Resp: 357714

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

80 9.6 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 4.471 ng

RT: 10.627 min Scan# 1418

Delta R.T. -0.235 min

Lab File: BF129882.D

Acq: 18 Aug 2022 18:38

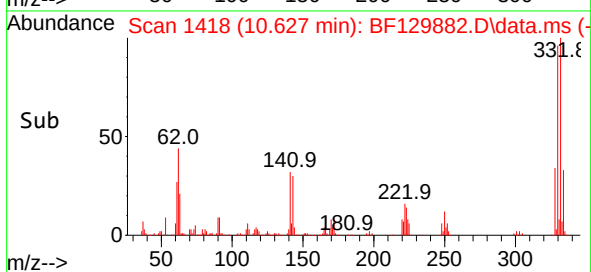
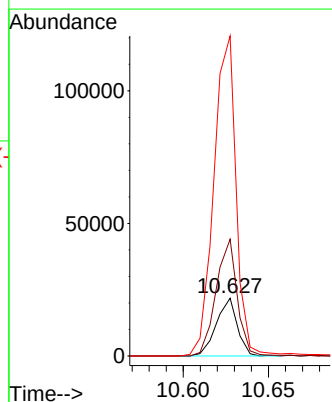
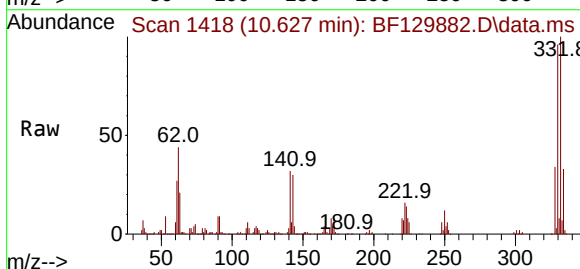
Tgt Ion:248 Resp: 18732

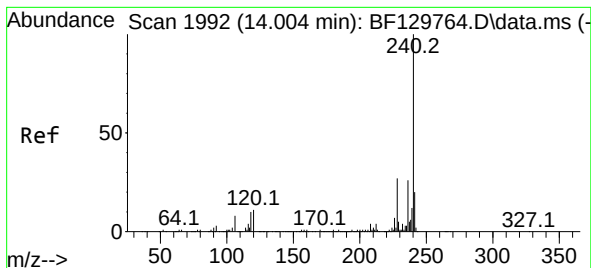
Ion Ratio Lower Upper

248 100

250 202.1 77.8 116.6#

141 554.1 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 1992

Delta R.T. -0.006 min

Lab File: BF129882.D

Acq: 18 Aug 2022 18:38

Instrument :

BNA_F

ClientSampleId :

S13

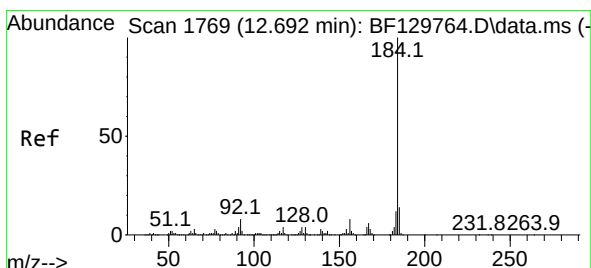
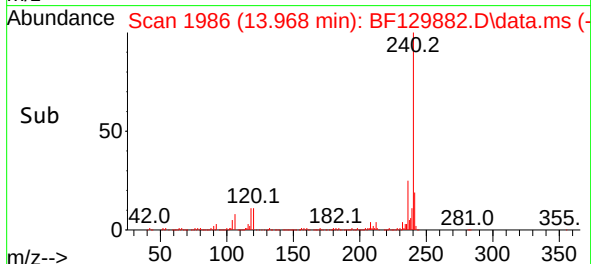
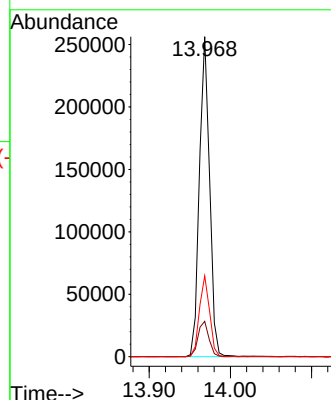
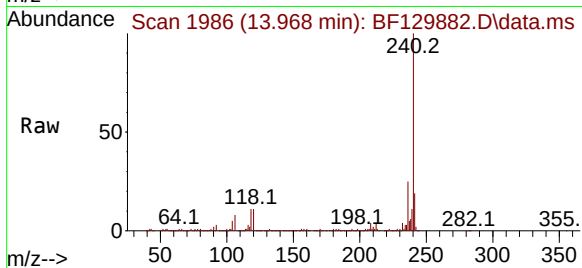
Tgt Ion:240 Resp: 224487

Ion Ratio Lower Upper

240 100

120 11.0 9.2 13.8

236 25.3 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.668 min Scan# 1765

Delta R.T. 0.006 min

Lab File: BF129882.D

Acq: 18 Aug 2022 18:38

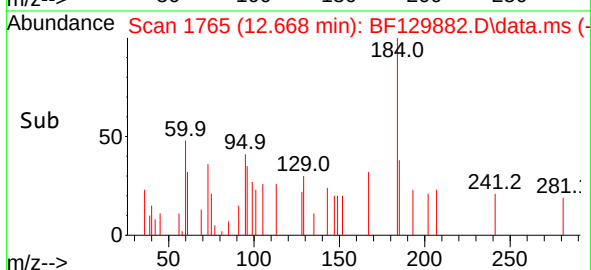
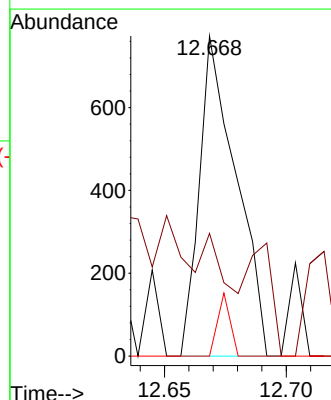
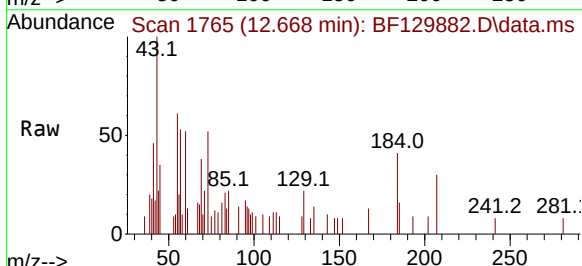
Tgt Ion:184 Resp: 813

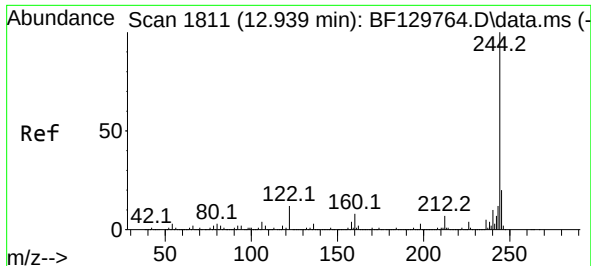
Ion Ratio Lower Upper

184 100

185 38.3 11.4 17.2#

183 0.0 9.4 14.2#

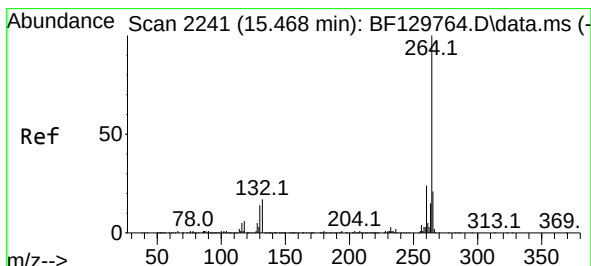
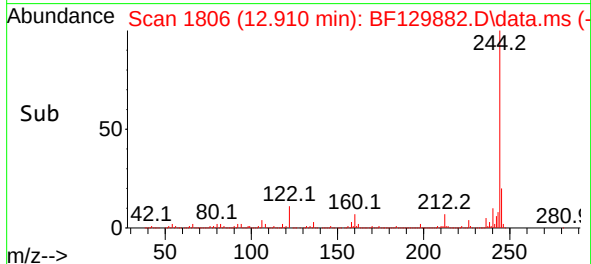
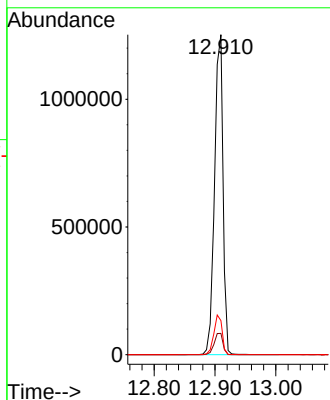
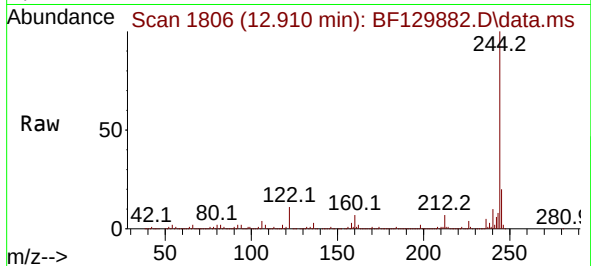




#79
 Terphenyl-d14
 Concen: 89.442 ng
 RT: 12.910 min Scan# 1806
 Delta R.T. 0.000 min
 Lab File: BF129882.D
 Acq: 18 Aug 2022 18:38

Instrument :
 BNA_F
 ClientSampleId :
 S13

Tgt Ion:244 Resp: 1206692
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 10.7 9.9 14.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.427 min Scan# 2234
 Delta R.T. 0.000 min
 Lab File: BF129882.D
 Acq: 18 Aug 2022 18:38

Tgt Ion:264 Resp: 244651
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 21.0 16.7 25.1

