

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129854.D
 Acq On : 17 Aug 2022 20:43
 Operator : CG\JU
 Sample : N4188-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S15

Quant Time: Aug 18 05:36:26 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 05:28:24 2022
 Response via : Initial Calibration

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

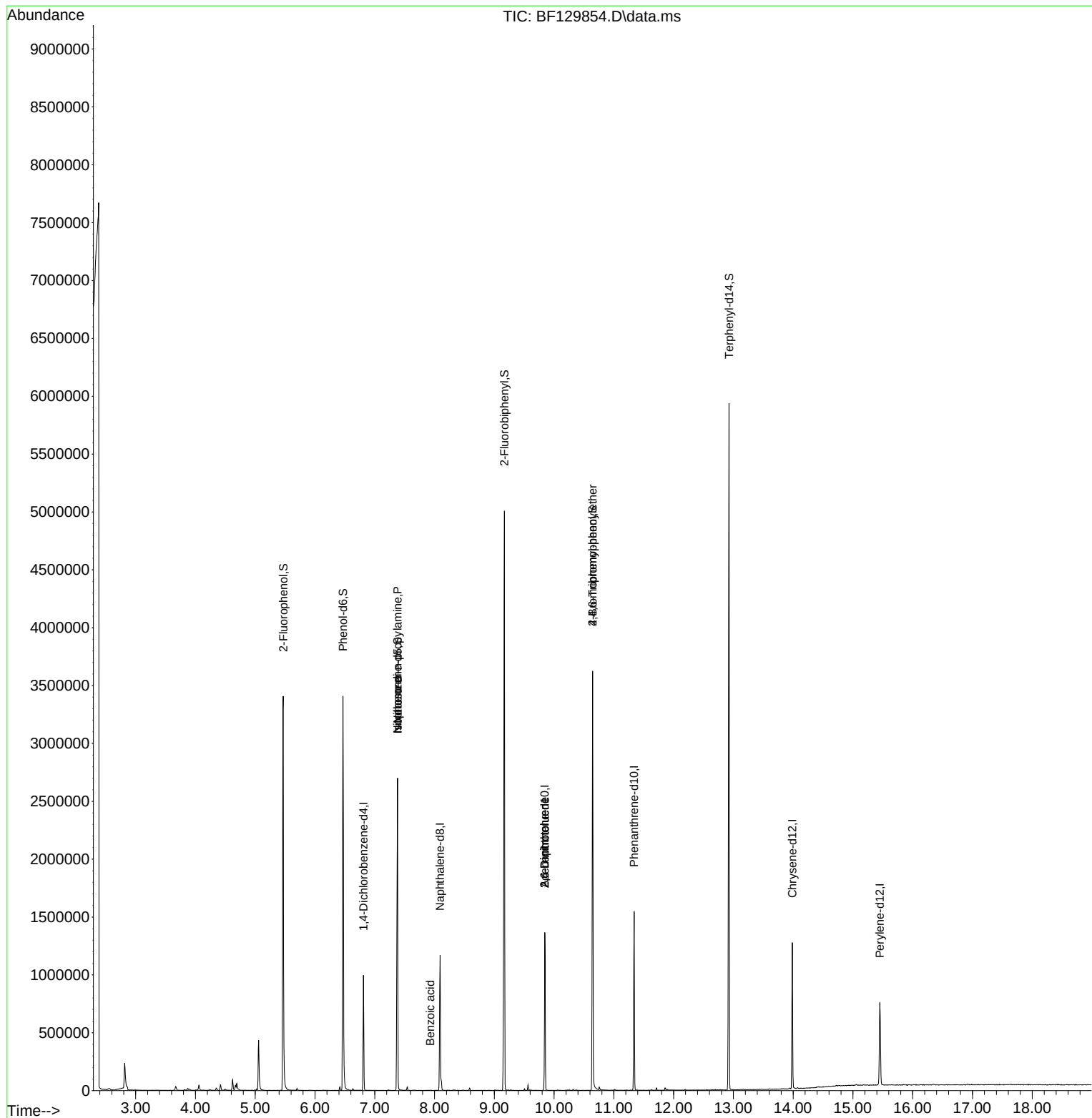
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	130506	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	532523	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	290187	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	509268	20.000	ng	0.00
76) Chrysene-d12	13.986	240	391926	20.000	ng	0.00
86) Perylene-d12	15.451	264	325552	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1029229	130.576	ng	0.02
7) Phenol-d6	6.469	99	1173188	118.855	ng	0.00
23) Nitrobenzene-d5	7.381	82	898889	90.361	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	431315	148.093	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	1638644	85.765	ng	0.00
79) Terphenyl-d14	12.927	244	1940807	82.398	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.469	77	1965	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.381	70	120427	19.302	ng	# 76
25) Isophorone	7.381	82	898877	52.499	ng	# 65
32) Benzoic acid	7.928	122	111	2.195	ng	# 69
51) 2,6-Dinitrotoluene	9.845	165	36939	8.186	ng	# 22
57) 2,4-Dinitrotoluene	9.845	165	36939	6.306	ng	# 18
67) 4-Bromophenyl-phenylether	10.645	248	27497	4.610	ng	# 1
77) Benzidine	12.927	184	27123	Below Cal	#	95

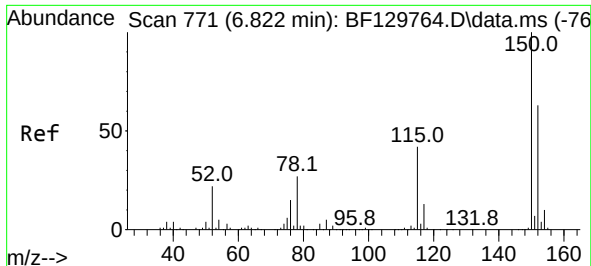
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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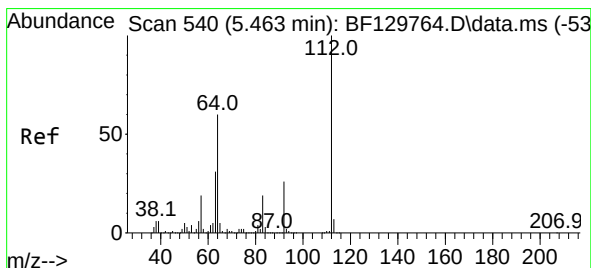
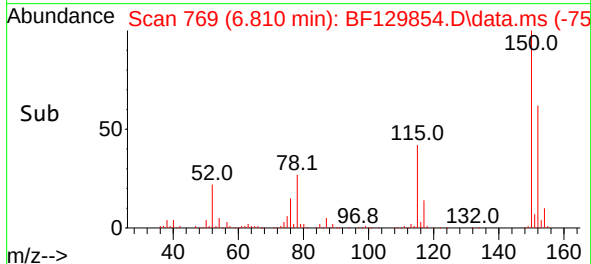
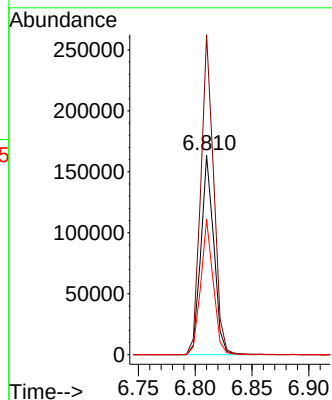
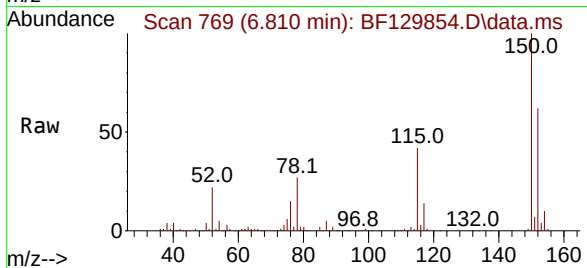




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

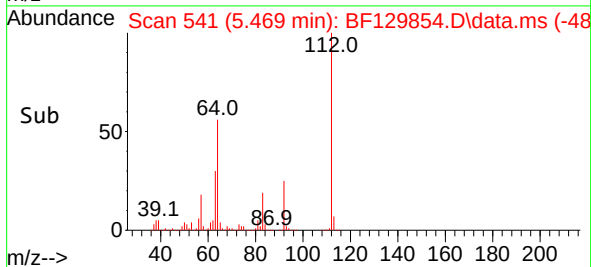
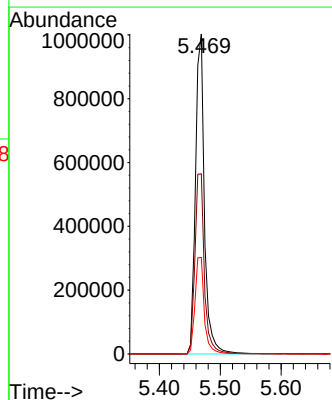
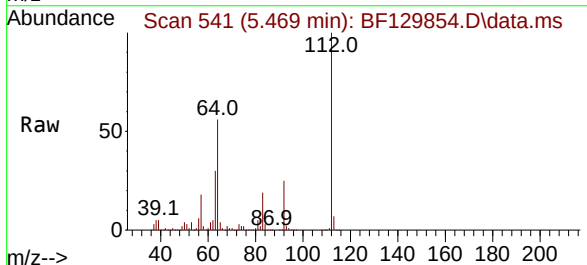
Instrument :
BNA_F
ClientSampleId :
S15

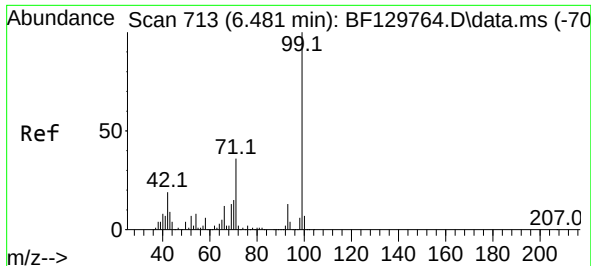
Tgt Ion:152 Resp: 130506
Ion Ratio Lower Upper
152 100
150 160.4 126.9 190.3
115 67.9 53.4 80.0



#5
2-Fluorophenol
Concen: 130.576 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.017 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

Tgt Ion:112 Resp: 1029229
Ion Ratio Lower Upper
112 100
64 56.3 47.6 71.4
63 30.1 24.6 37.0



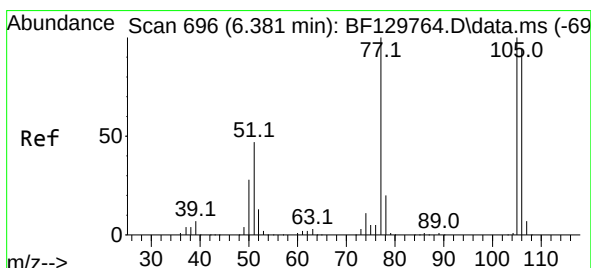
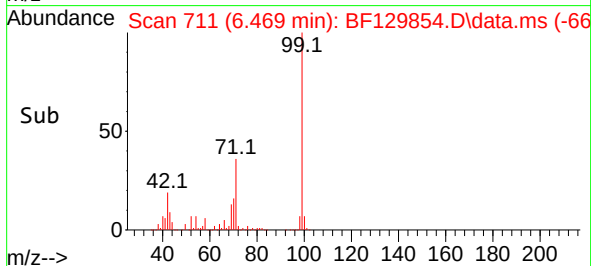
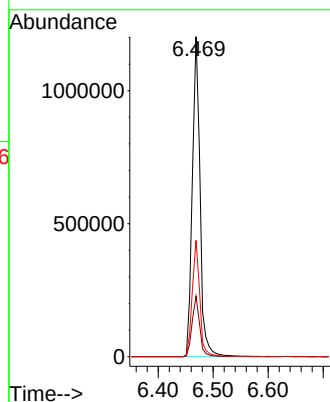
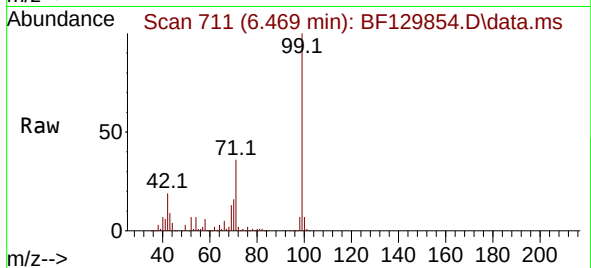


#7
Phenol-d6
Concen: 118.855 ng
RT: 6.469 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

Instrument :
BNA_F
ClientSampleId :
S15

Tgt Ion: 99 Resp: 1173188

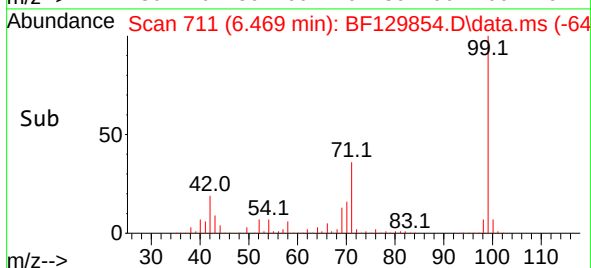
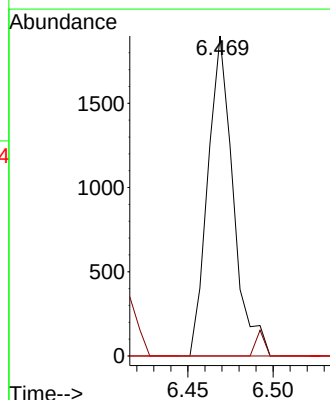
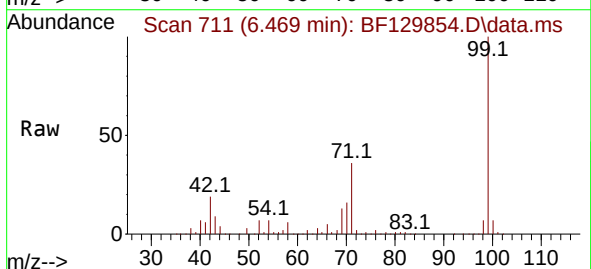
Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	36.3	28.8	43.2

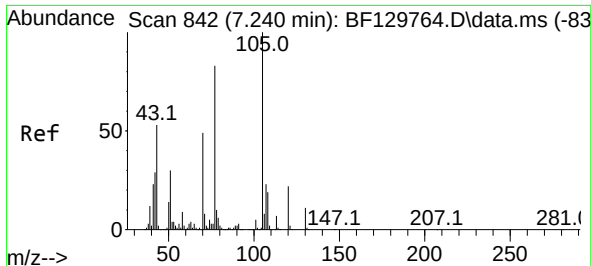


#9
Benzaldehyde
Concen: Below Cal
RT: 6.469 min Scan# 711
Delta R.T. 0.100 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

Tgt Ion: 77 Resp: 1965

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

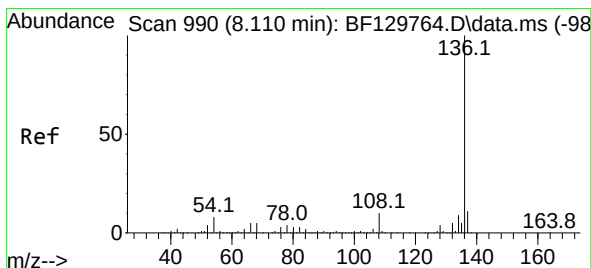
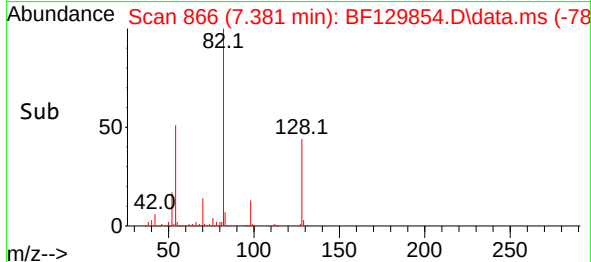
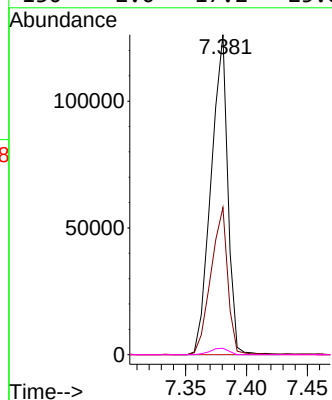
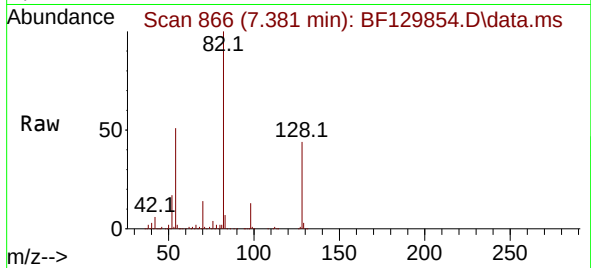




#19
n-Nitroso-di-n-propylamine
Concen: 19.302 ng
RT: 7.381 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

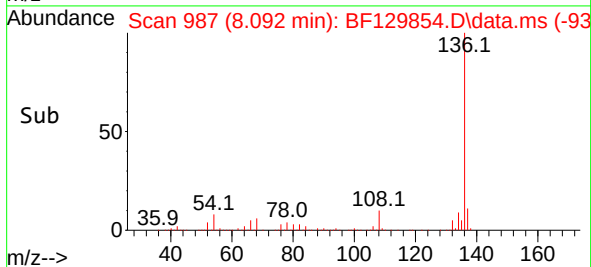
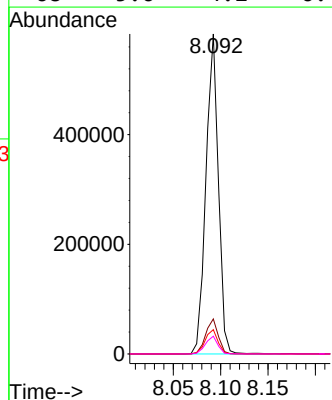
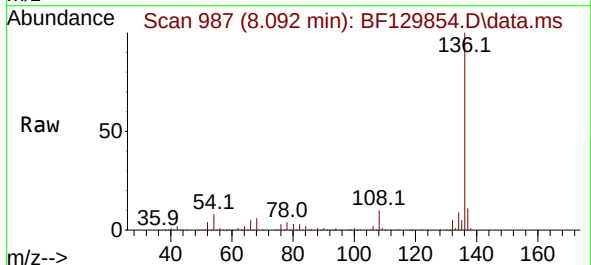
Instrument :
BNA_F
ClientSampleId :
S15

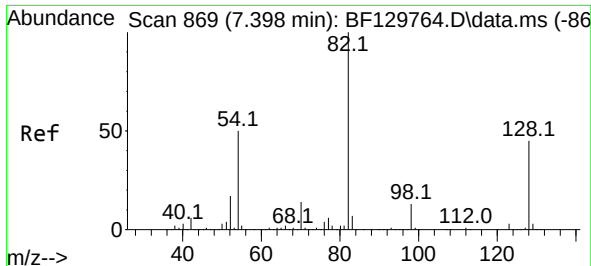
Tgt Ion: 70 Resp: 120427
Ion Ratio Lower Upper
70 100
42 46.0 47.6 71.4#
101 0.0 8.1 12.1#
130 2.0 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

Tgt Ion: 136 Resp: 532523
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.6 6.2 9.2
68 5.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 90.361 ng

RT: 7.381 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF129854.D

Acq: 17 Aug 2022 20:43

Instrument :

BNA_F

ClientSampleId :

S15

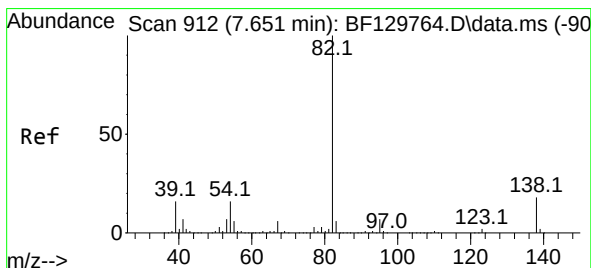
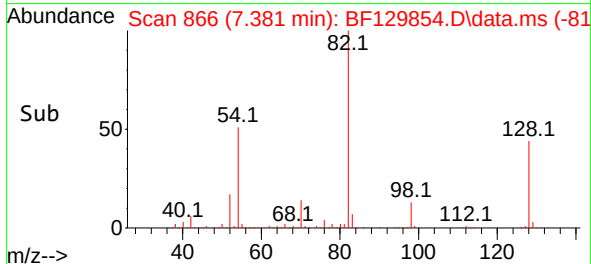
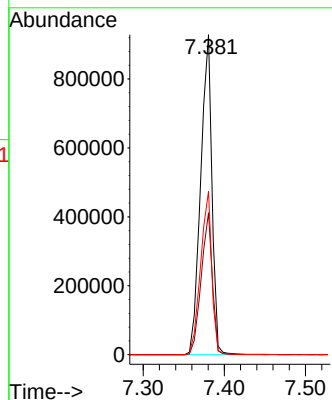
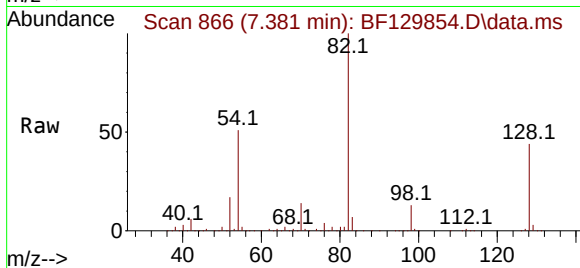
Tgt Ion: 82 Resp: 898889

Ion Ratio Lower Upper

82 100

128 44.4 36.1 54.1

54 51.0 40.0 60.0



#25

Isophorone

Concen: 52.499 ng

RT: 7.381 min Scan# 866

Delta R.T. -0.259 min

Lab File: BF129854.D

Acq: 17 Aug 2022 20:43

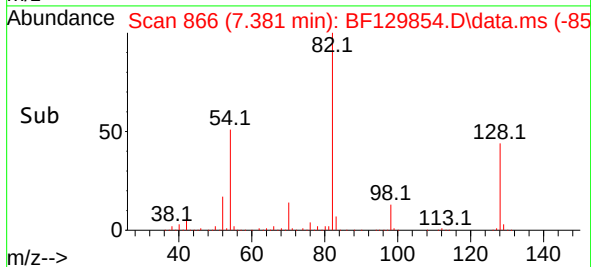
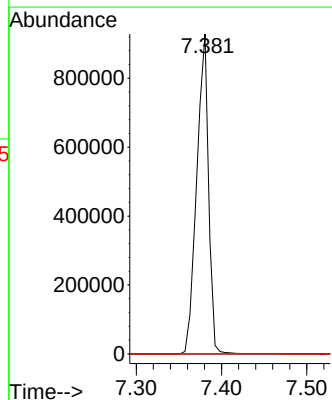
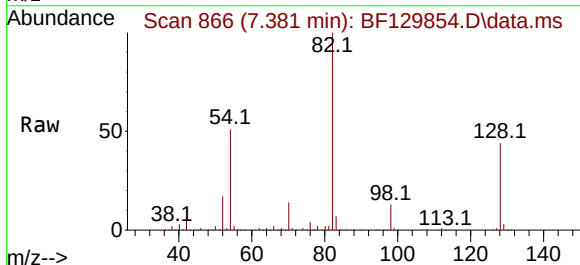
Tgt Ion: 82 Resp: 898877

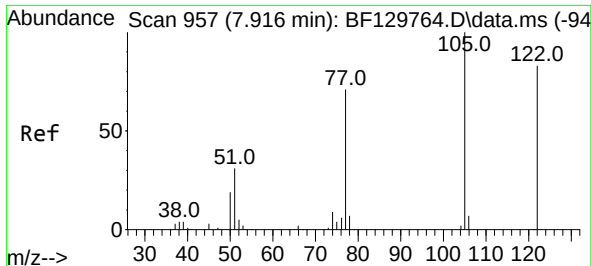
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

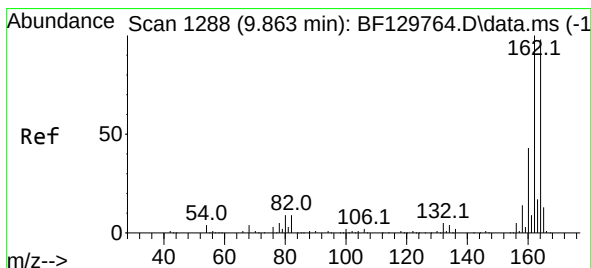
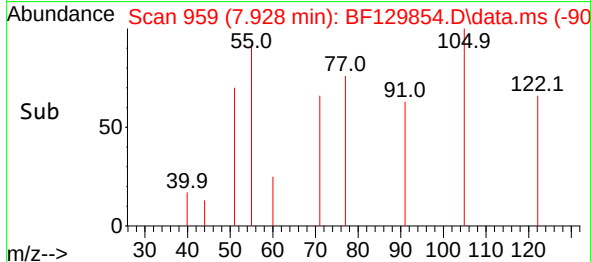
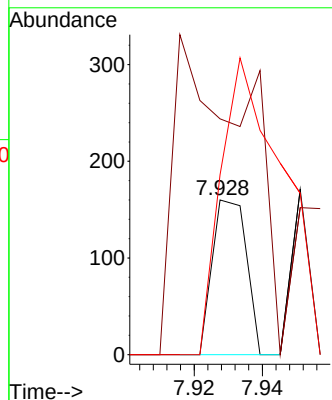
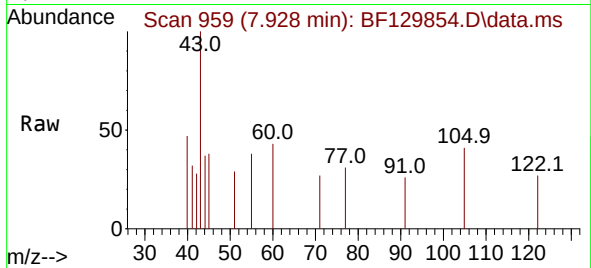




#32
Benzoic acid
Concen: 2.195 ng
RT: 7.928 min Scan# 91
Delta R.T. 0.029 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

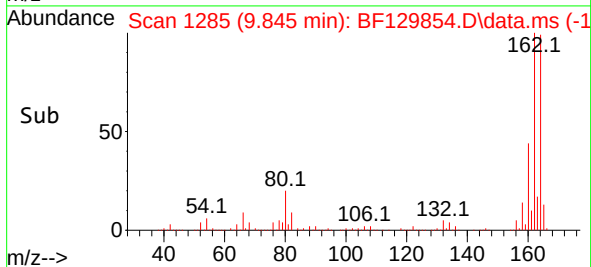
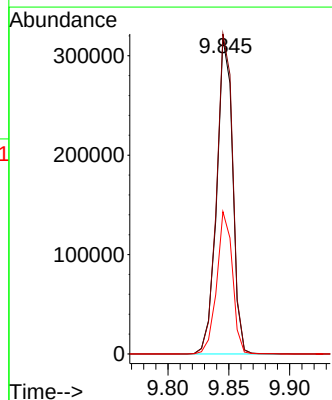
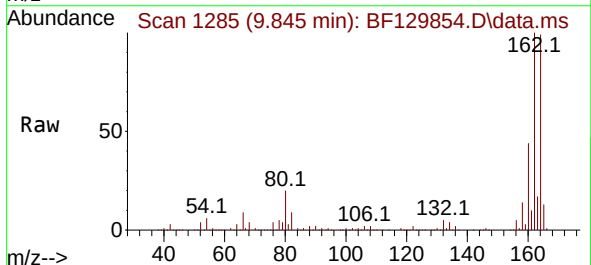
Instrument :
BNA_F
ClientSampleId :
S15

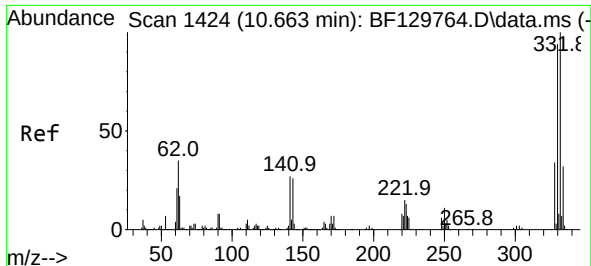
Tgt Ion:122 Resp: 111
Ion Ratio Lower Upper
122 100
105 152.5 99.9 139.9#
77 116.2 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

Tgt Ion:164 Resp: 290187
Ion Ratio Lower Upper
164 100
162 101.4 82.0 123.0
160 45.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 148.093 ng

RT: 10.645 min Scan# 1424

Delta R.T. -0.000 min

Lab File: BF129854.D

Acq: 17 Aug 2022 20:43

Instrument :

BNA_F

ClientSampleId :

S15

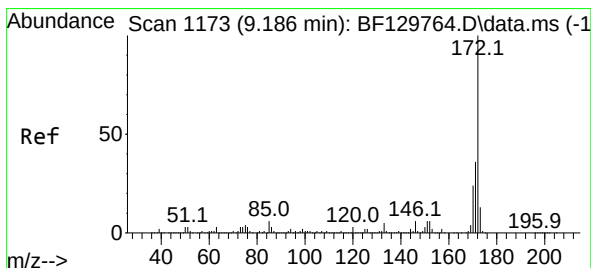
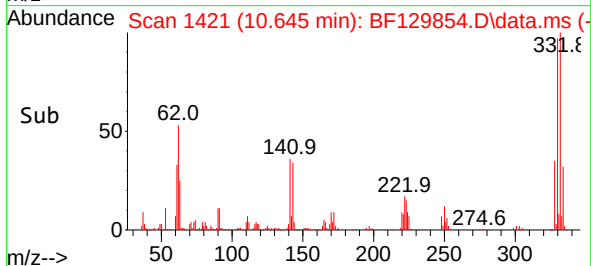
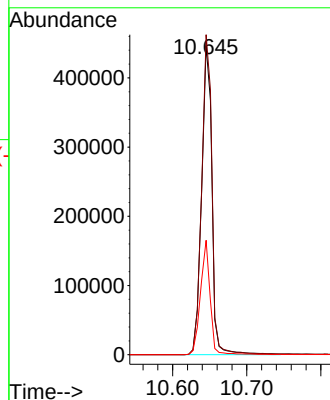
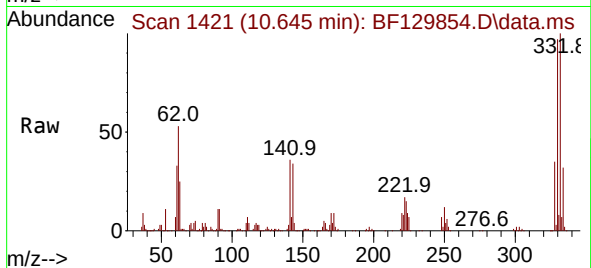
Tgt Ion:330 Resp: 431315

Ion Ratio Lower Upper

330 100

332 103.8 82.6 124.0

141 34.6 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 85.765 ng

RT: 9.169 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF129854.D

Acq: 17 Aug 2022 20:43

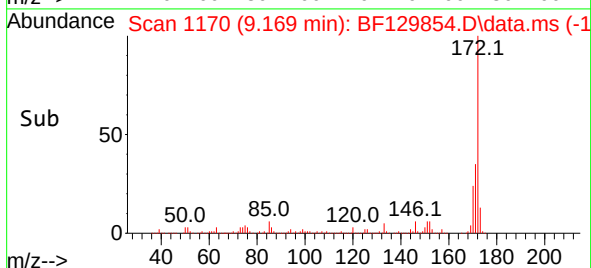
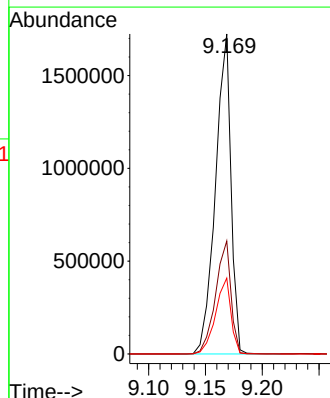
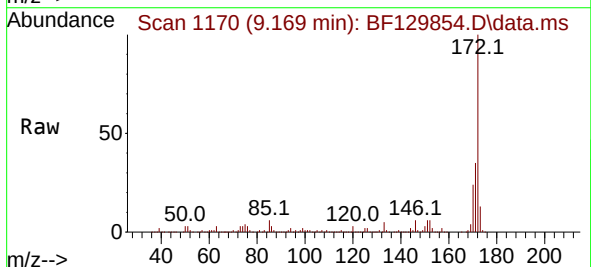
Tgt Ion:172 Resp: 1638644

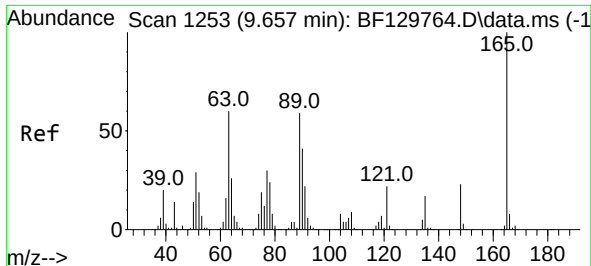
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.7 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.186 ng

RT: 9.845 min Scan# 1285

Delta R.T. 0.200 min

Lab File: BF129854.D

Acq: 17 Aug 2022 20:43

Instrument :

BNA_F

ClientSampleId :

S15

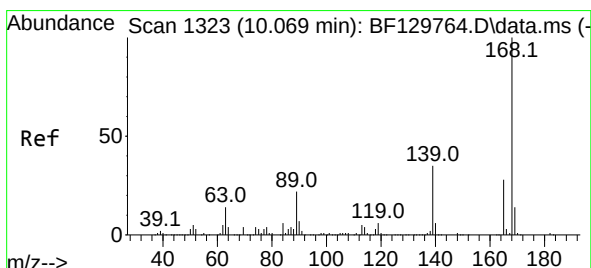
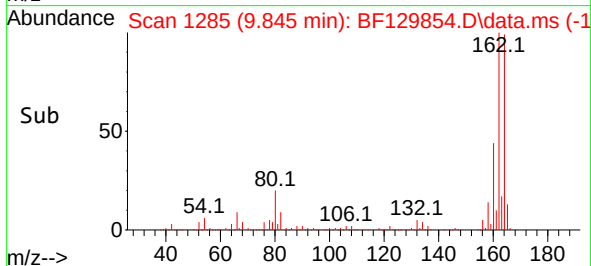
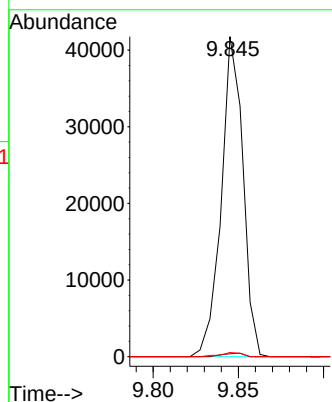
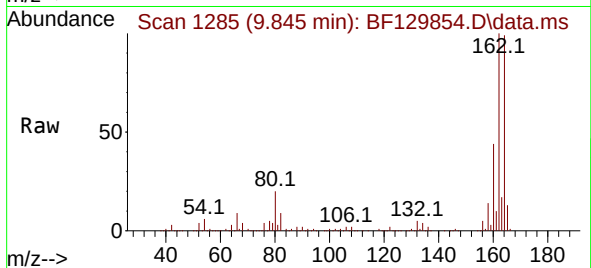
Tgt Ion:165 Resp: 36939

Ion Ratio Lower Upper

165 100

63 0.9 47.8 71.8#

89 1.3 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.306 ng

RT: 9.845 min Scan# 1285

Delta R.T. -0.212 min

Lab File: BF129854.D

Acq: 17 Aug 2022 20:43

Tgt Ion:165 Resp: 36939

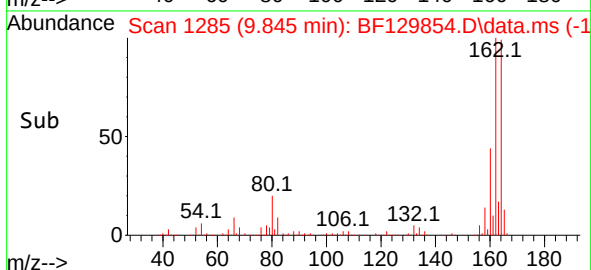
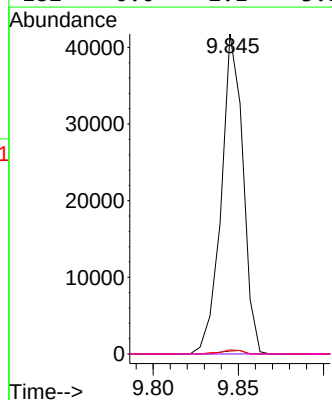
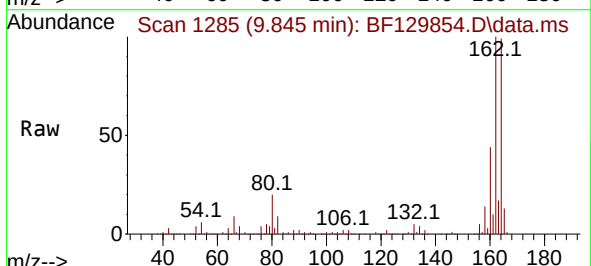
Ion Ratio Lower Upper

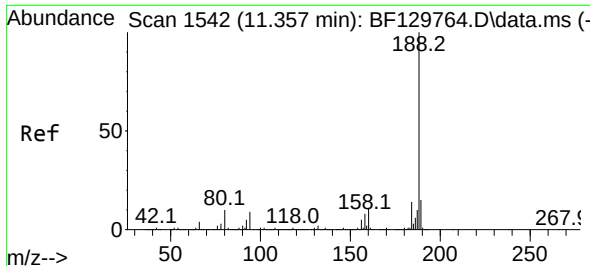
165 100

63 0.9 48.4 72.6#

89 1.3 62.3 93.5#

182 0.0 2.1 3.1#

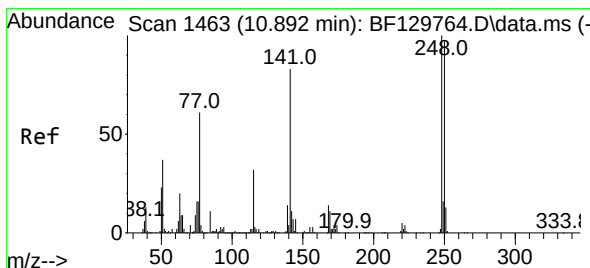
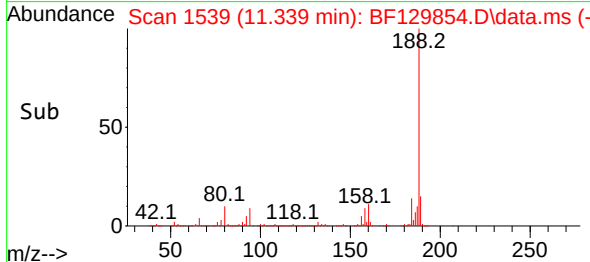
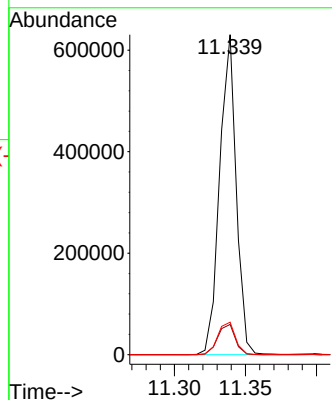
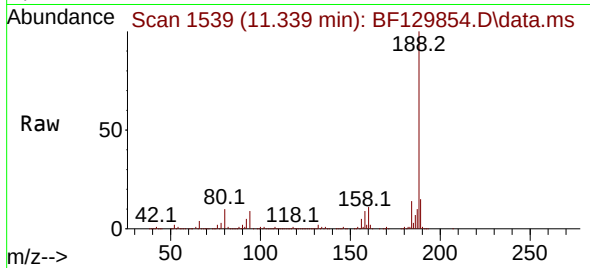




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

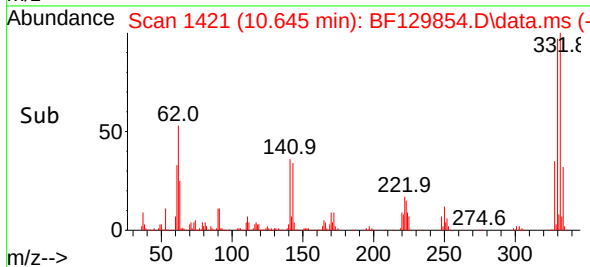
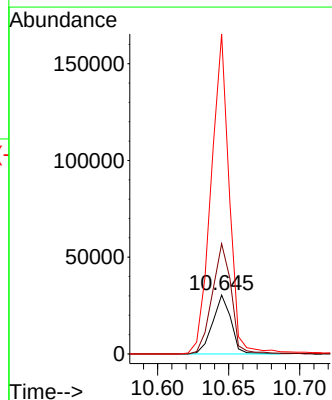
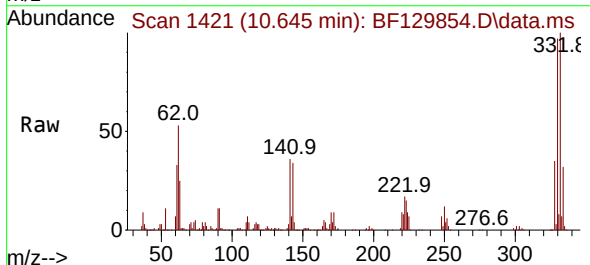
Instrument :
BNA_F
ClientSampleId :
S15

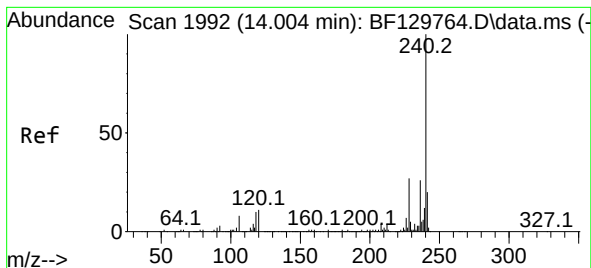
Tgt Ion:188 Resp: 509268
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.2 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 4.610 ng
RT: 10.645 min Scan# 1421
Delta R.T. -0.235 min
Lab File: BF129854.D
Acq: 17 Aug 2022 20:43

Tgt Ion:248 Resp: 27497
Ion Ratio Lower Upper
248 100
250 186.9 77.8 116.6#
141 542.9 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129854.D

Acq: 17 Aug 2022 20:43

Instrument :

BNA_F

ClientSampleId :

S15

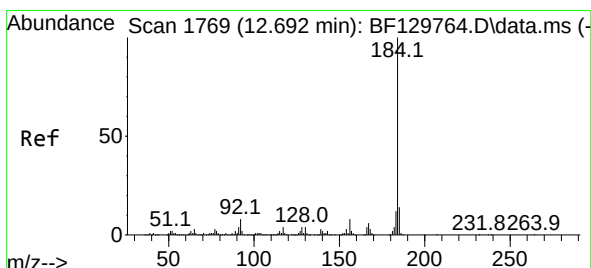
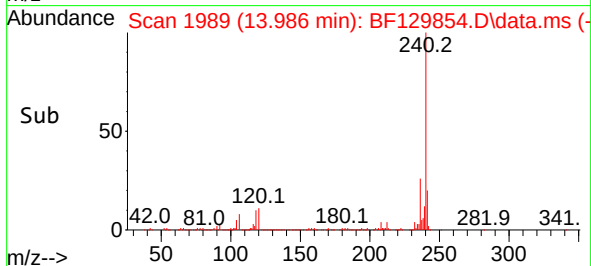
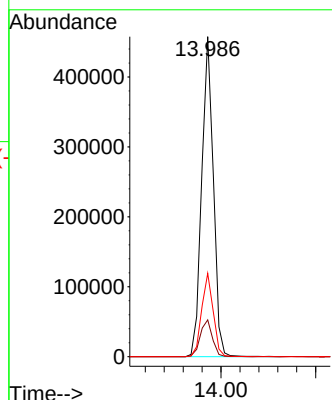
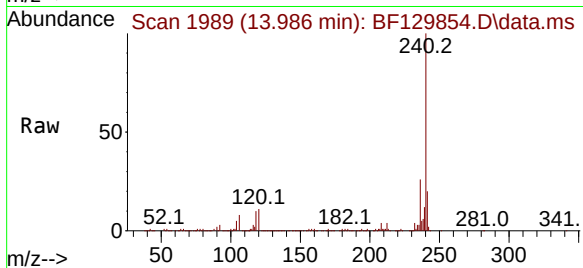
Tgt Ion:240 Resp: 391926

Ion Ratio Lower Upper

240 100

120 11.5 9.2 13.8

236 26.1 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.927 min Scan# 1809

Delta R.T. 0.247 min

Lab File: BF129854.D

Acq: 17 Aug 2022 20:43

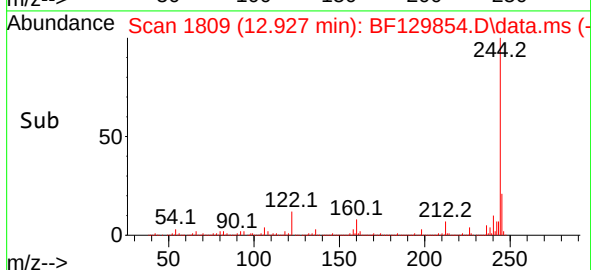
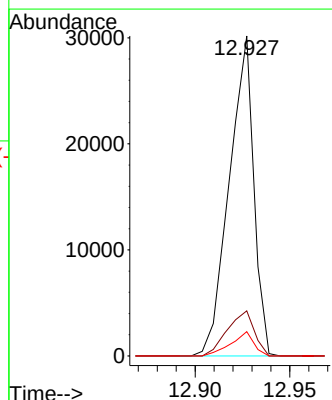
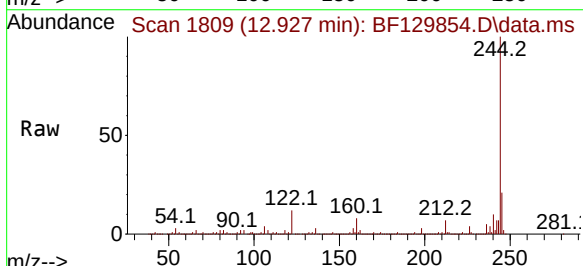
Tgt Ion:184 Resp: 27123

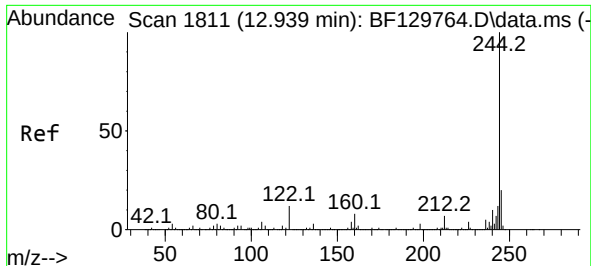
Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.2

183 7.6 9.4 14.2#

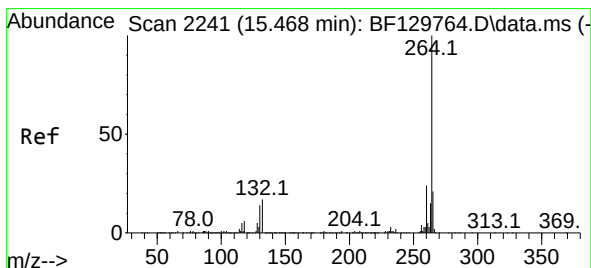
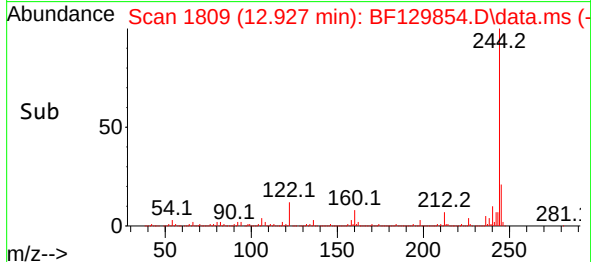
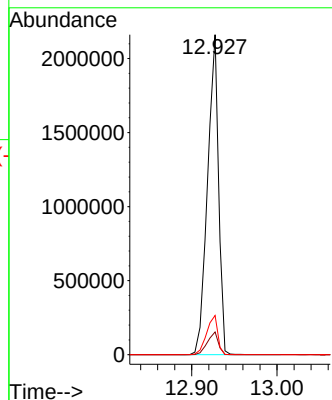
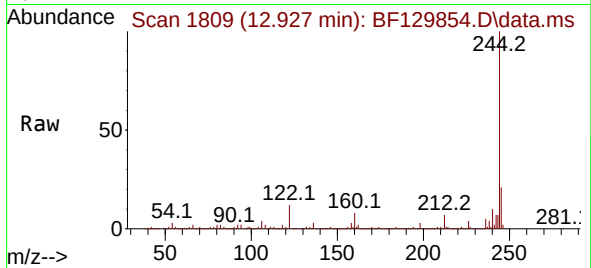




#79
 Terphenyl-d14
 Concen: 82.398 ng
 RT: 12.927 min Scan# 1809
 Delta R.T. -0.000 min
 Lab File: BF129854.D
 Acq: 17 Aug 2022 20:43

Instrument :
 BNA_F
 ClientSampleId :
 S15

Tgt Ion:244 Resp: 1940807
 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: 15.451 min Scan# 2238
 Delta R.T. -0.006 min
 Lab File: BF129854.D
 Acq: 17 Aug 2022 20:43

Tgt Ion:264 Resp: 325552
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.1 16.7 25.1

