

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081522\
 Data File : BF129792.D
 Acq On : 15 Aug 2022 21:18
 Operator : CG\JU
 Sample : N4200-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2

Quant Time: Aug 16 03:18:36 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)

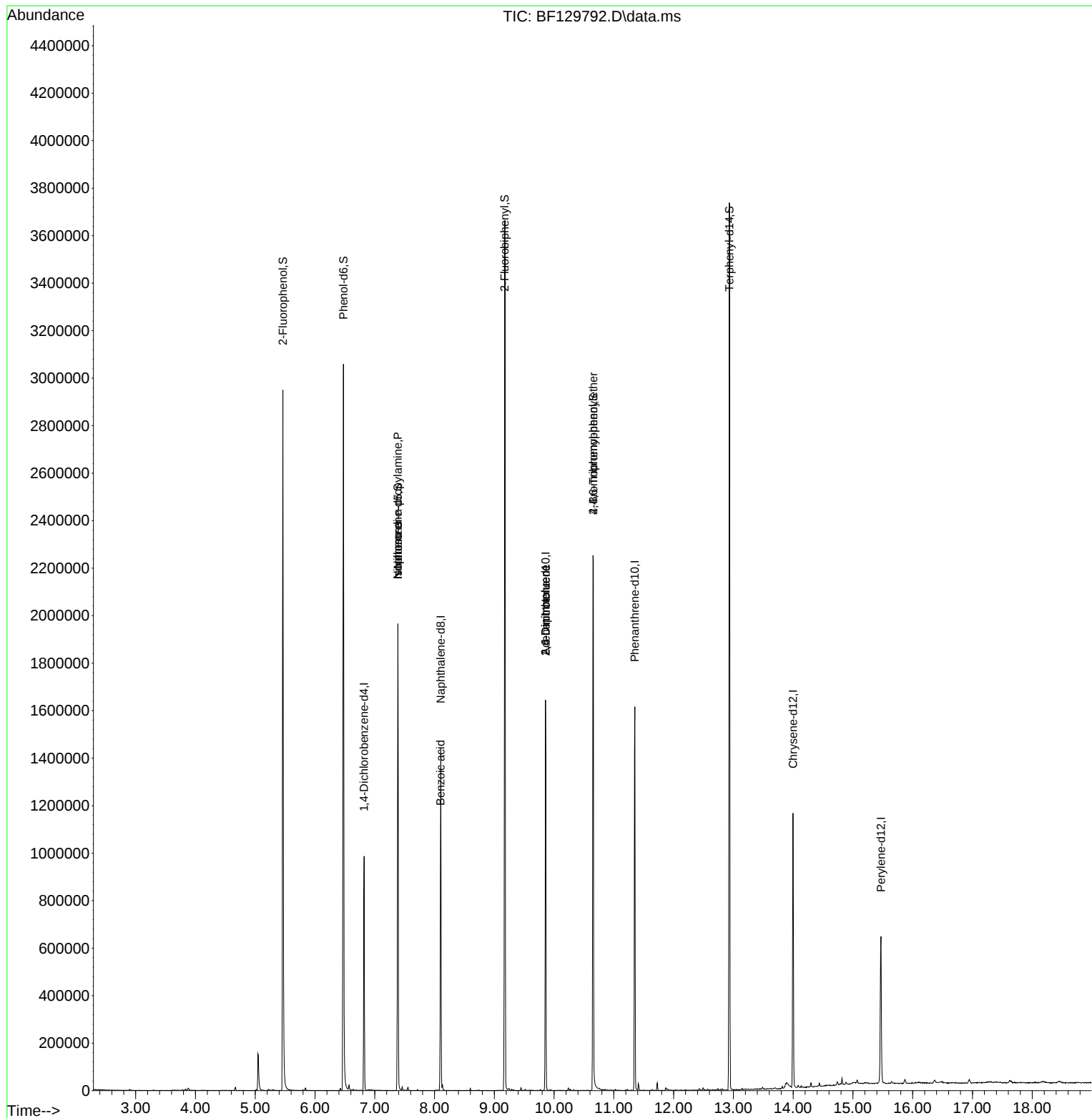
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	145753	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	605900	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	331026	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	584507	20.000	ng	0.00
76) Chrysene-d12	13.998	240	368846	20.000	ng	0.00
86) Perylene-d12	15.468	264	273859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	783565	89.010	ng	0.00
7) Phenol-d6	6.475	99	989202	89.732	ng	0.00
23) Nitrobenzene-d5	7.387	82	628467	55.526	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	288690	86.894	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1208723	55.458	ng	-0.01
79) Terphenyl-d14	12.933	244	1260354	56.857	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.404	77	56	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.387	70	83429	11.973	ng	# 75
25) Isophorone	7.387	82	628459	32.260	ng	# 65
32) Benzoic acid	8.098	122	180	2.214	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	43650	8.480	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	43650	6.532	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	18069	2.639	ng	# 1
77) Benzidine	12.933	184	17449	Below Cal	#	90

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

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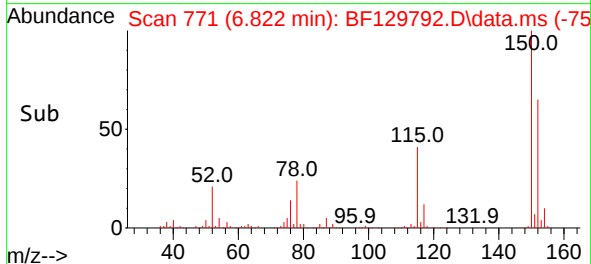
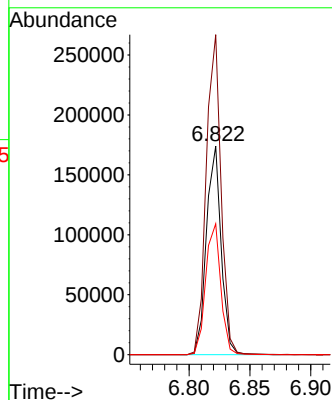
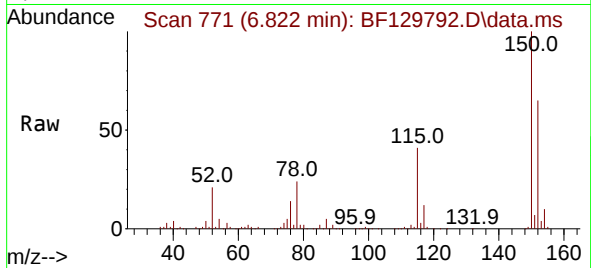




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

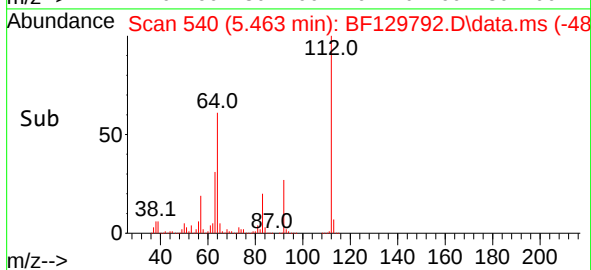
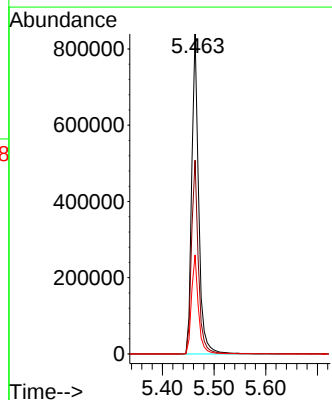
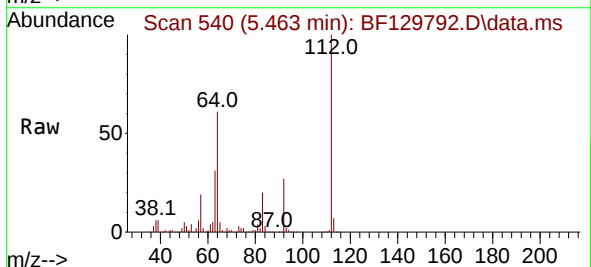
Instrument :
BNA_F
ClientSampleId :
S2

Tgt Ion:152 Resp: 145753
Ion Ratio Lower Upper
152 100
150 153.3 126.9 190.3
115 62.7 53.4 80.0



#5
2-Fluorophenol
Concen: 89.010 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

Tgt Ion:112 Resp: 783565
Ion Ratio Lower Upper
112 100
64 60.6 47.6 71.4
63 31.0 24.6 37.0

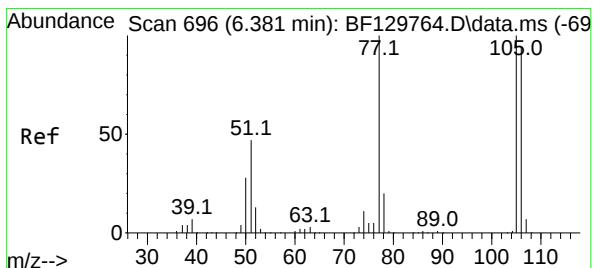
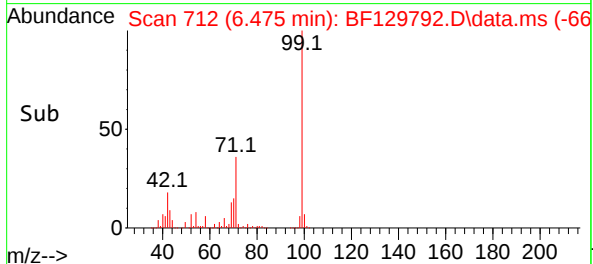
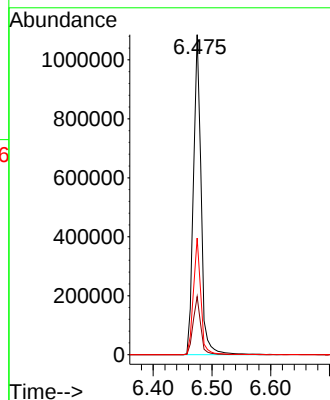
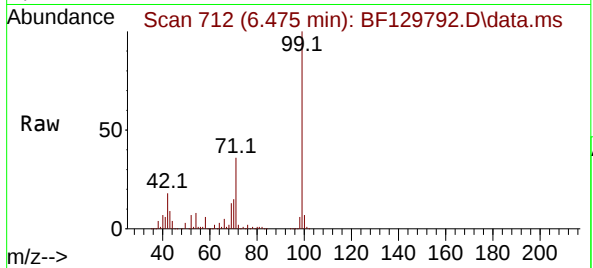




#7
Phenol-d6
Concen: 89.732 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

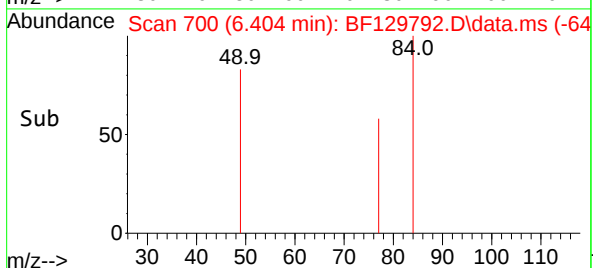
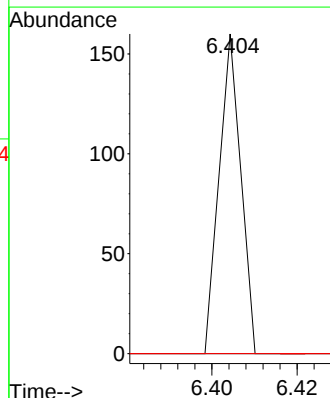
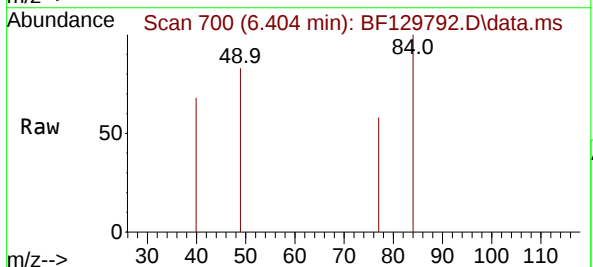
Instrument :
BNA_F
ClientSampleId :
S2

Tgt Ion: 99 Resp: 989202
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.4
71 36.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 700
Delta R.T. 0.023 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

Tgt Ion: 77 Resp: 56
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

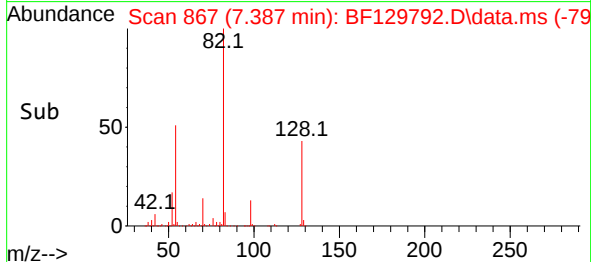
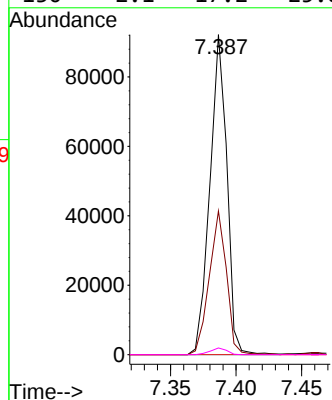
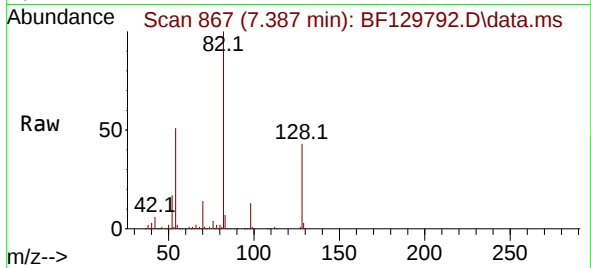




#19
n-Nitroso-di-n-propylamine
Concen: 11.973 ng
RT: 7.387 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

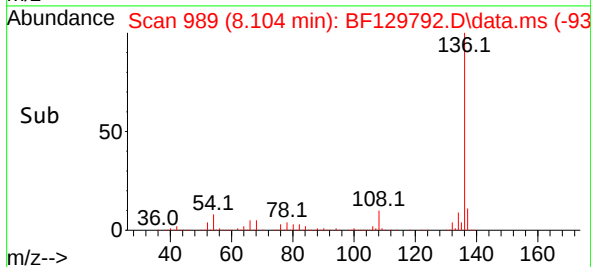
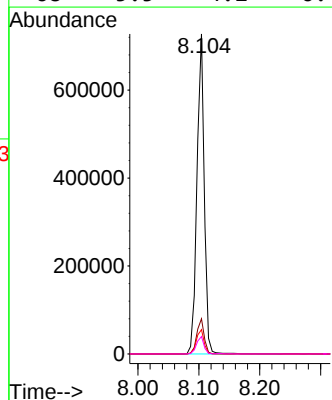
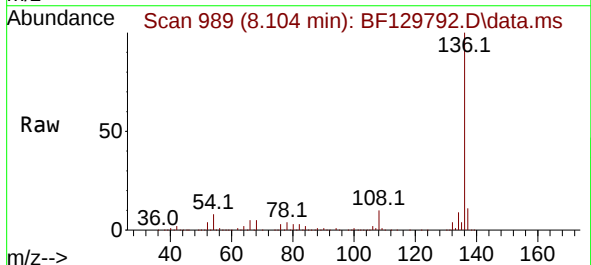
Instrument :
BNA_F
ClientSampleId :
S2

Tgt Ion: 70 Resp: 83429
Ion Ratio Lower Upper
70 100
42 44.9 47.6 71.4#
101 0.0 8.1 12.1#
130 2.1 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: BF129792.D
Acq: 15 Aug 2022 21:18

Tgt Ion: 136 Resp: 605900
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.6 6.2 9.2
68 5.5 4.2 6.4

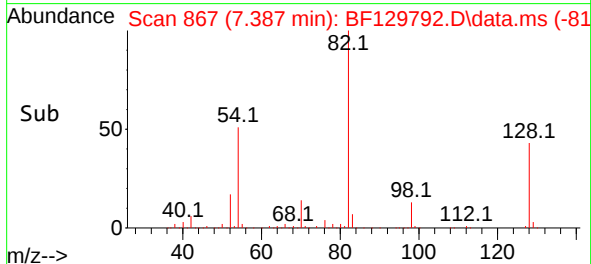
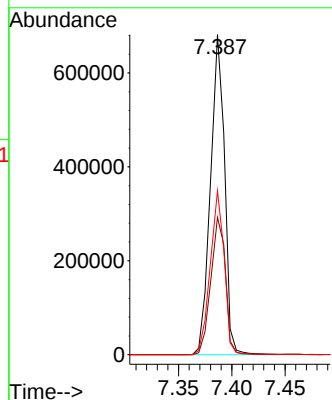
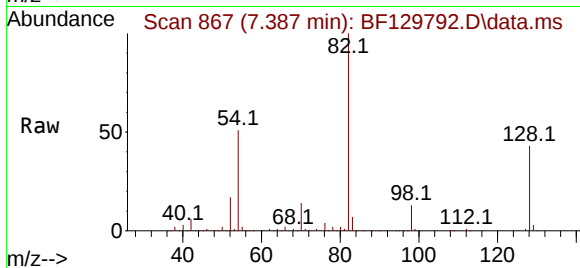




#23
Nitrobenzene-d5
Concen: 55.526 ng
RT: 7.387 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

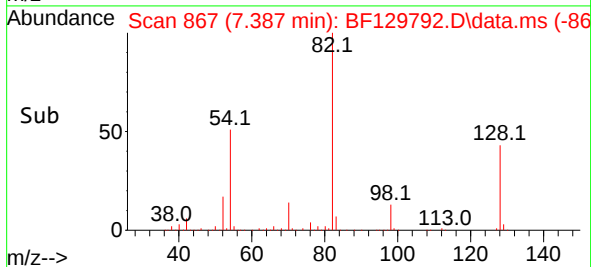
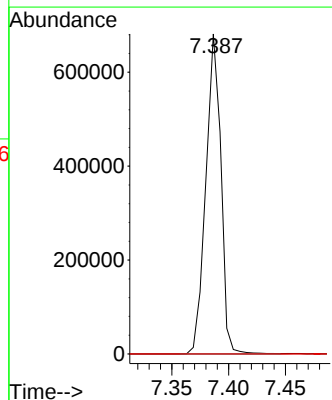
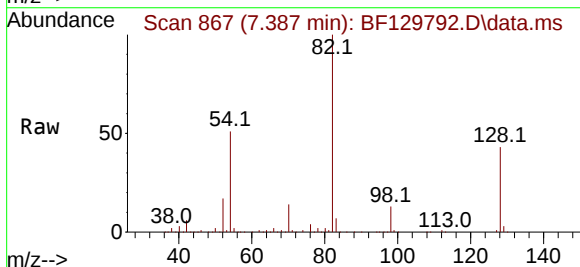
Instrument :
BNA_F
ClientSampleId :
S2

Tgt Ion: 82 Resp: 628467
Ion Ratio Lower Upper
82 100
128 42.9 36.1 54.1
54 51.2 40.0 60.0



#25
Isophorone
Concen: 32.260 ng
RT: 7.387 min Scan# 867
Delta R.T. -0.265 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

Tgt Ion: 82 Resp: 628459
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

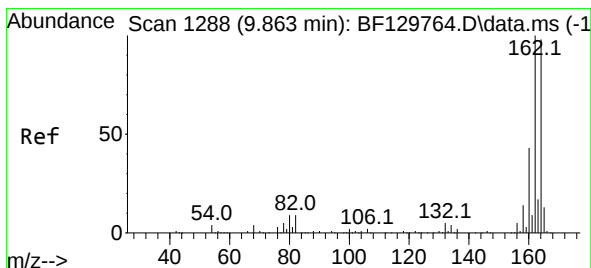
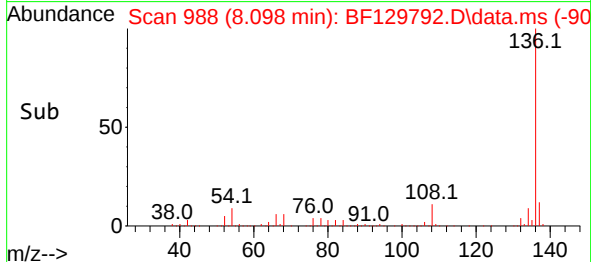
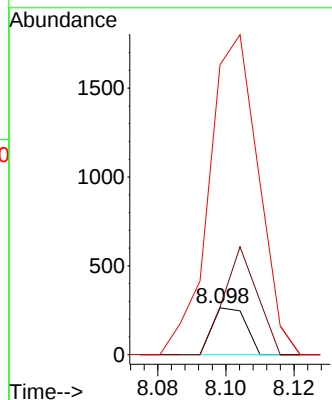
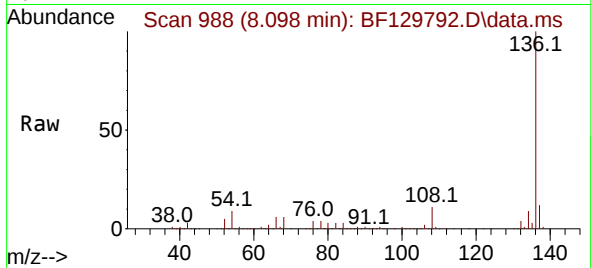




#32
Benzoic acid
Concen: 2.214 ng
RT: 8.098 min Scan# 91
Delta R.T. 0.182 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

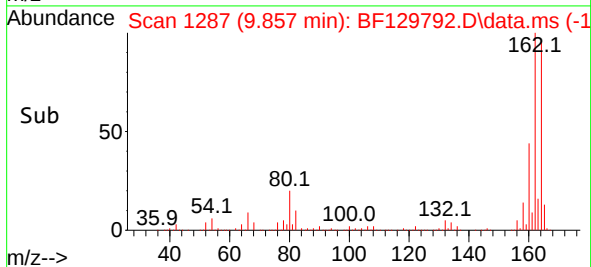
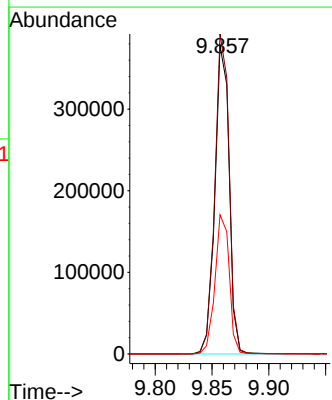
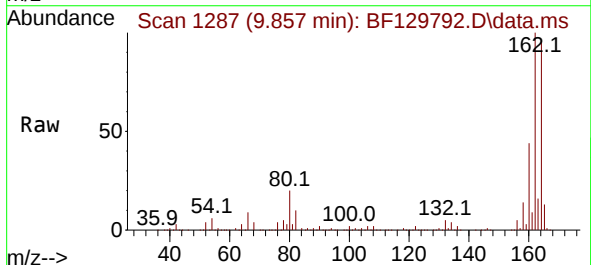
Instrument :
BNA_F
ClientSampleId :
S2

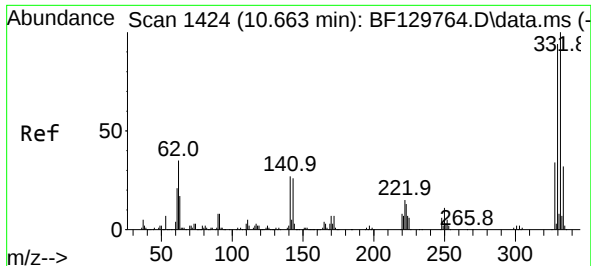
Tgt Ion:122 Resp: 180
Ion Ratio Lower Upper
122 100
105 101.5 99.9 139.9
77 618.2 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

Tgt Ion:164 Resp: 331026
Ion Ratio Lower Upper
164 100
162 103.8 82.0 123.0
160 45.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 86.894 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129792.D

Acq: 15 Aug 2022 21:18

Instrument :

BNA_F

ClientSampleId :

S2

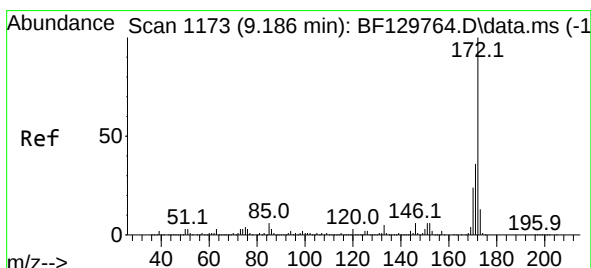
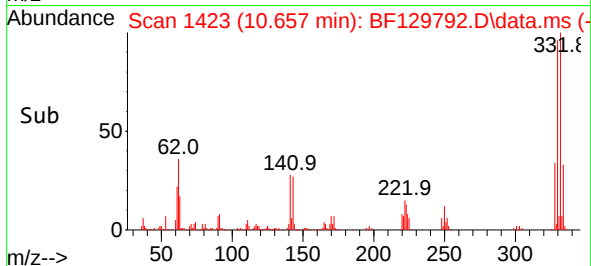
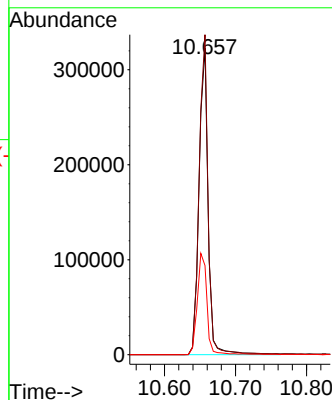
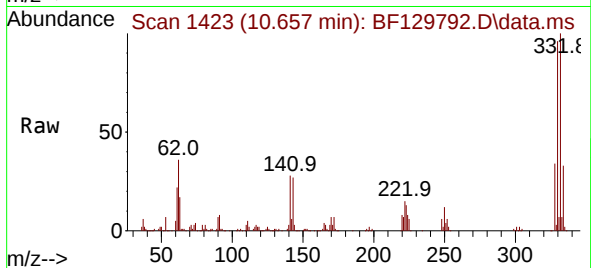
Tgt Ion:330 Resp: 288690

Ion Ratio Lower Upper

330 100

332 102.9 82.6 124.0

141 35.3 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 55.458 ng

RT: 9.175 min Scan# 1171

Delta R.T. -0.012 min

Lab File: BF129792.D

Acq: 15 Aug 2022 21:18

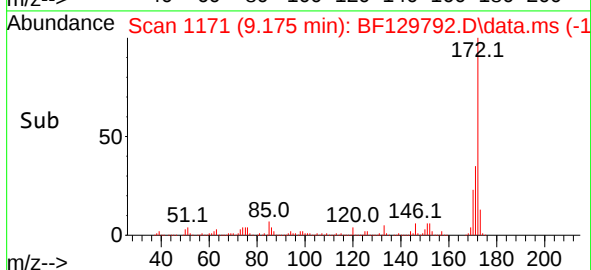
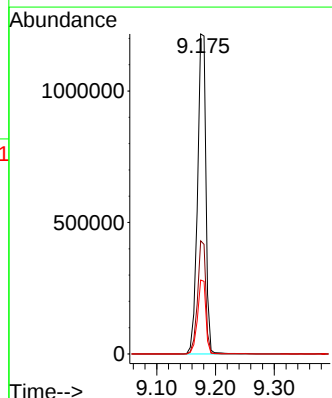
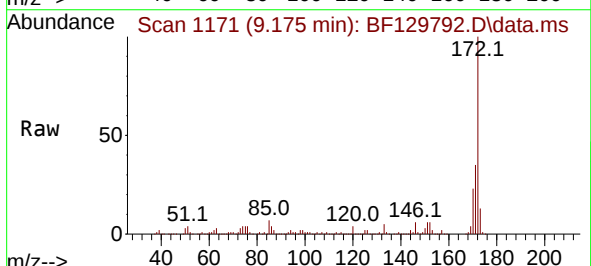
Tgt Ion:172 Resp: 1208723

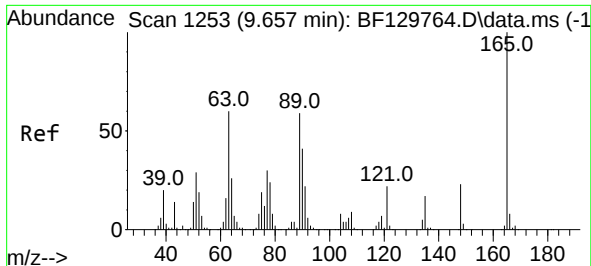
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.1 19.1 28.7

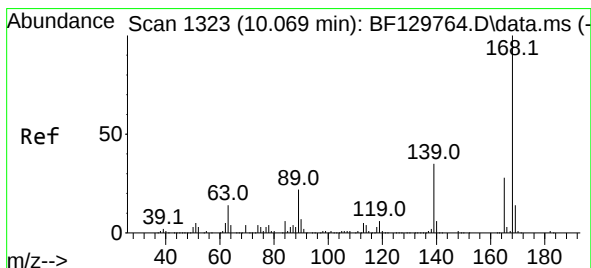
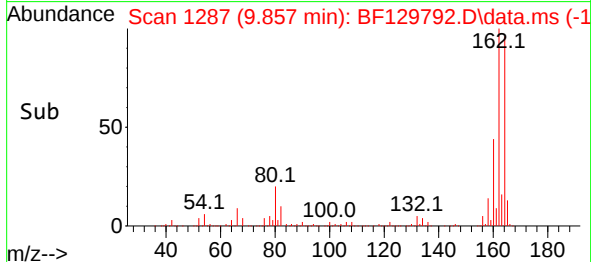
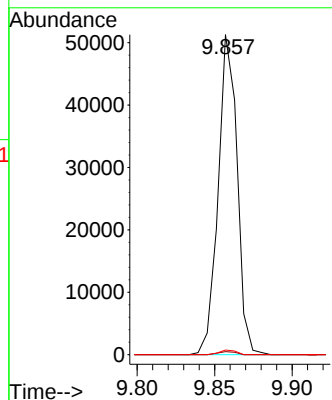
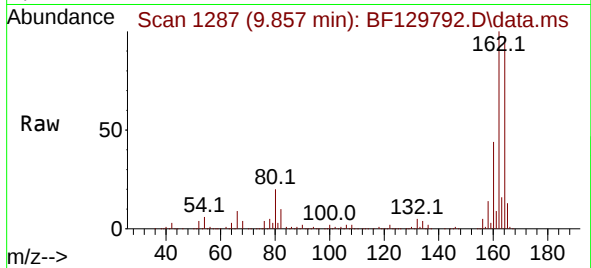




#51
2,6-Dinitrotoluene
Concen: 8.480 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

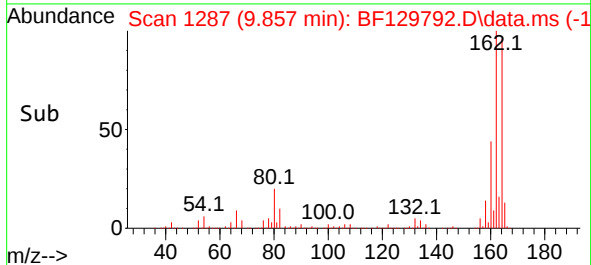
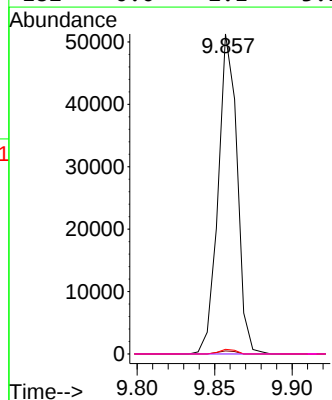
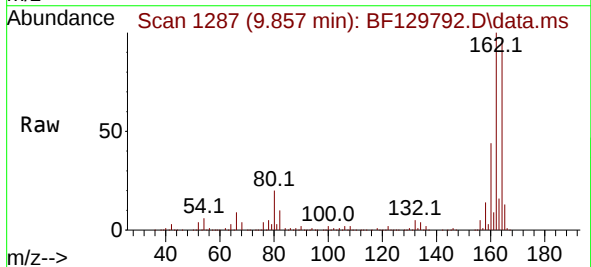
Instrument :
BNA_F
ClientSampleId :
S2

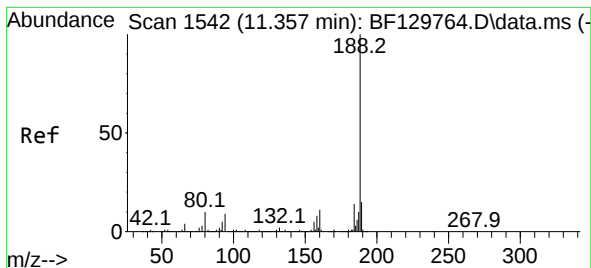
Tgt Ion:165 Resp: 43650
Ion Ratio Lower Upper
165 100
63 1.0 47.8 71.8#
89 1.5 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.532 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.212 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

Tgt Ion:165 Resp: 43650
Ion Ratio Lower Upper
165 100
63 1.0 48.4 72.6#
89 1.5 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: BF129792.D

Acq: 15 Aug 2022 21:18

Instrument :

BNA_F

ClientSampleId :

S2

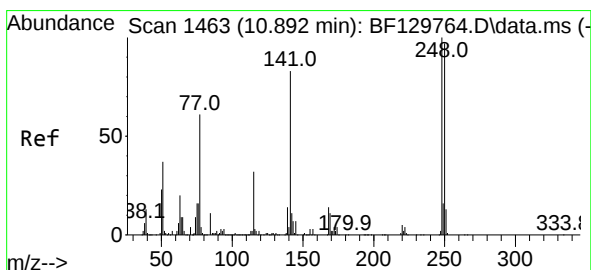
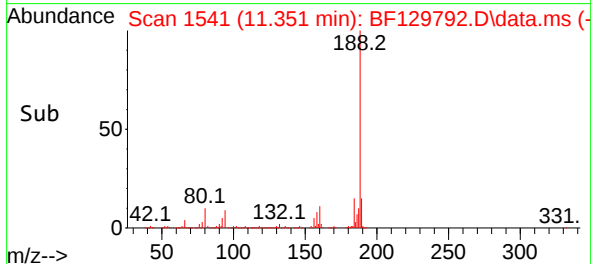
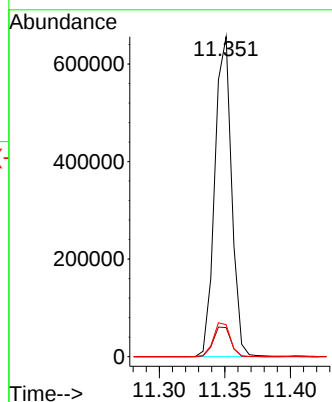
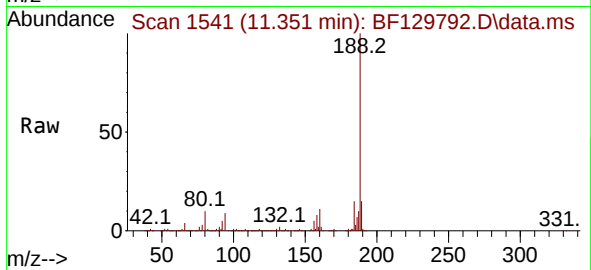
Tgt Ion:188 Resp: 584507

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 10.0 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.639 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.235 min

Lab File: BF129792.D

Acq: 15 Aug 2022 21:18

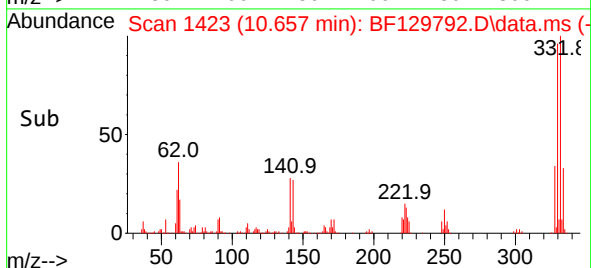
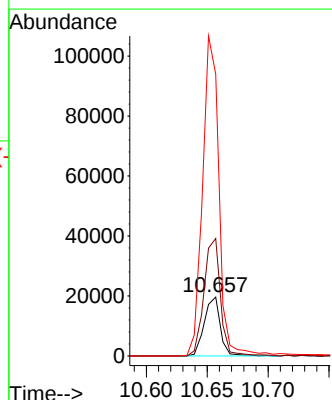
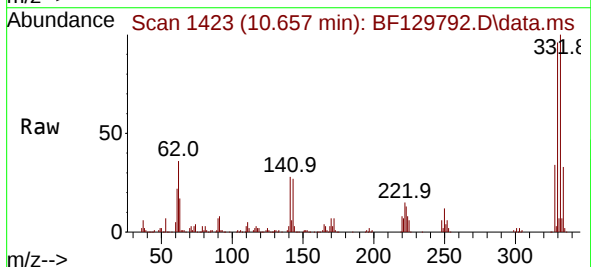
Tgt Ion:248 Resp: 18069

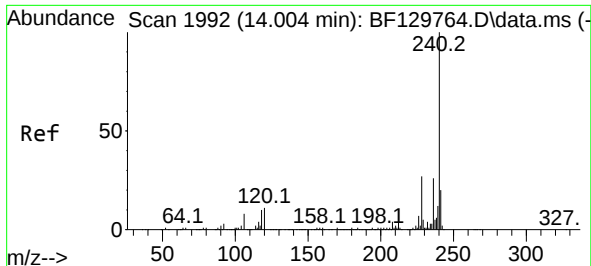
Ion Ratio Lower Upper

248 100

250 199.3 77.8 116.6#

141 477.9 66.2 99.2#

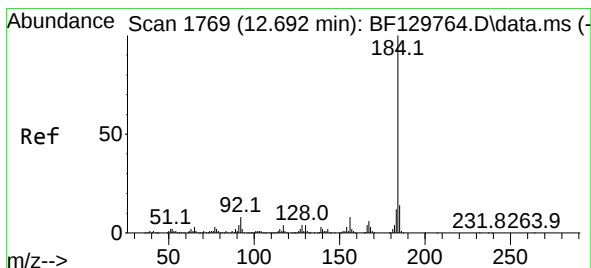
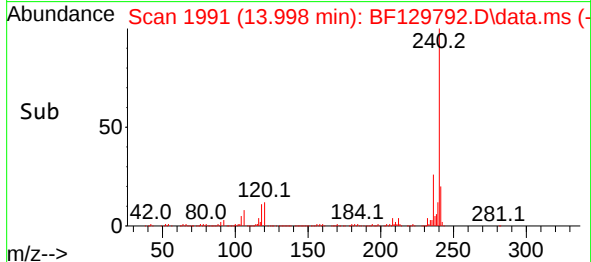
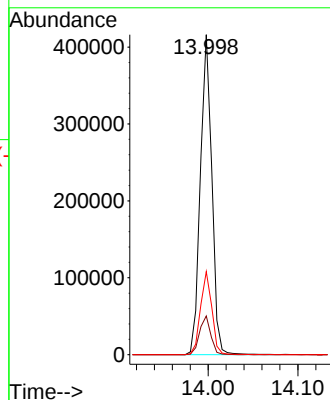
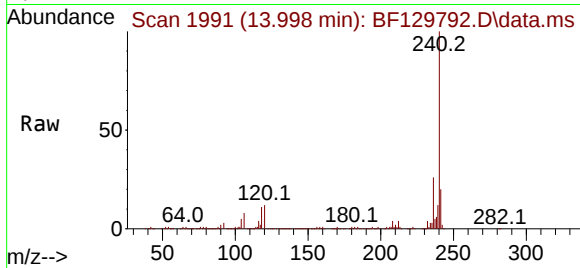




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

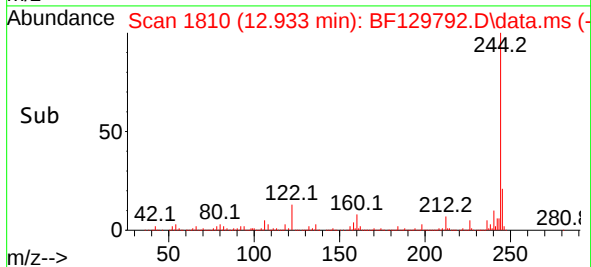
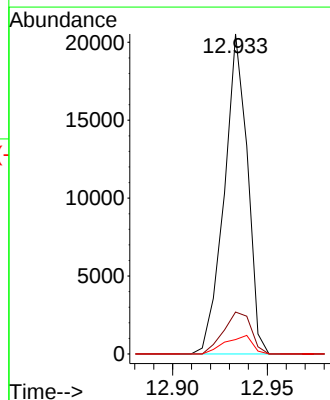
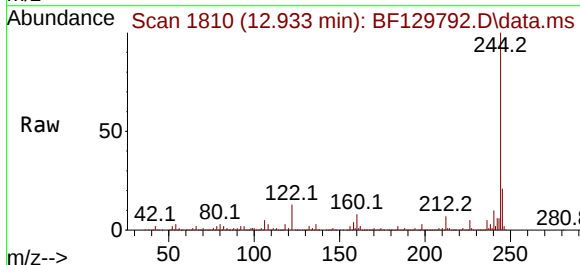
Instrument :
BNA_F
ClientSampleId :
S2

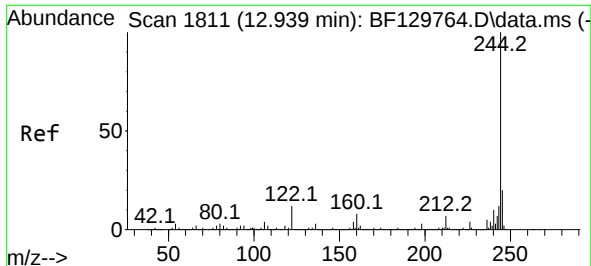
Tgt Ion:240 Resp: 368846
Ion Ratio Lower Upper
240 100
120 12.1 9.2 13.8
236 26.0 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.933 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF129792.D
Acq: 15 Aug 2022 21:18

Tgt Ion:184 Resp: 17449
Ion Ratio Lower Upper
184 100
185 13.1 11.4 17.2
183 4.5 9.4 14.2#

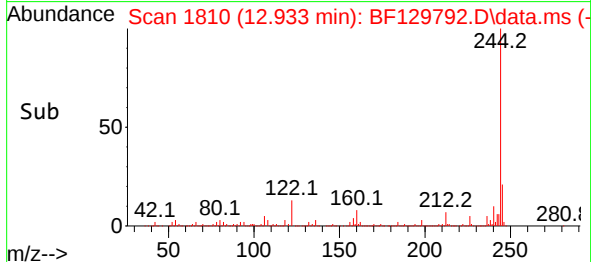
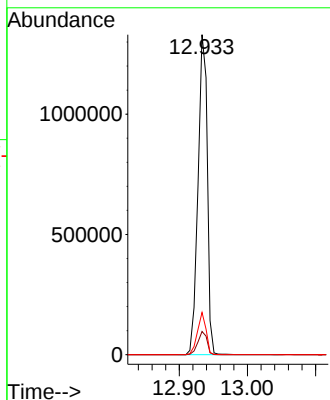
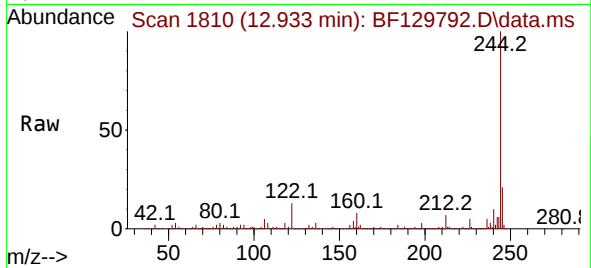




#79
 Terphenyl-d14
 Concen: 56.857 ng
 RT: 12.933 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF129792.D
 Acq: 15 Aug 2022 21:18

Instrument :
 BNA_F
 ClientSampleId :
 S2

Tgt Ion:244 Resp: 1260354
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 13.2 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: BF129792.D
 Acq: 15 Aug 2022 21:18

Tgt Ion:264 Resp: 273859
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.1 28.7
 265 20.4 16.7 25.1

