

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129817.D
 Acq On : 16 Aug 2022 18:38
 Operator : CG\JU
 Sample : N4208-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-1

Quant Time: Aug 17 02:36:00 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)

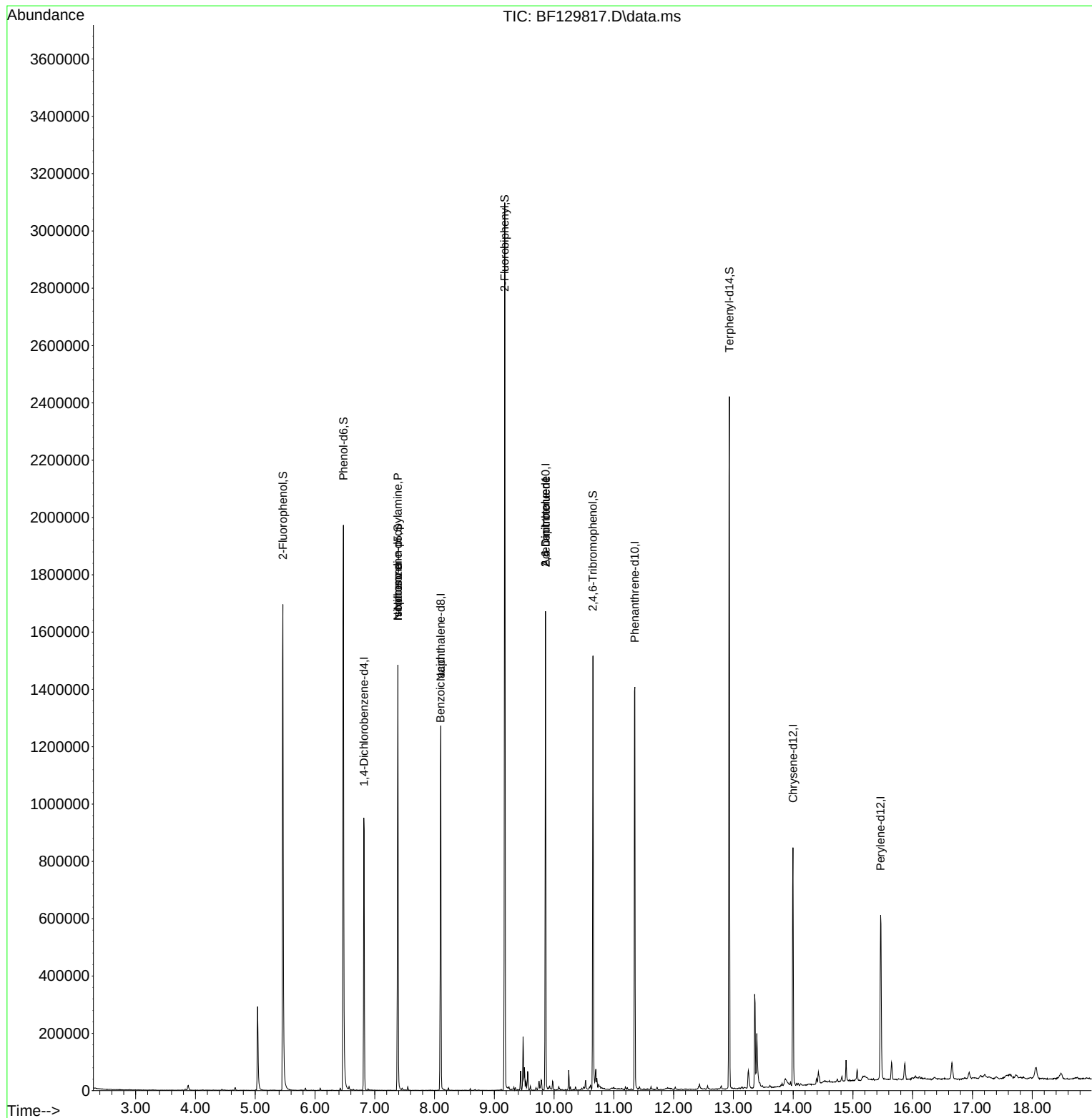
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	146511	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	594643	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	315766	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	524189	20.000	ng	0.00
76) Chrysene-d12	13.998	240	276393	20.000	ng	0.00
86) Perylene-d12	15.462	264	273991	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	521728	58.960	ng	0.00
7) Phenol-d6	6.475	99	687263	62.020	ng	0.00
23) Nitrobenzene-d5	7.386	82	455781	41.031	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	164035	51.759	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	886590	42.644	ng	-0.01
79) Terphenyl-d14	12.933	244	813938	49.001	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.475	77	1014	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.386	70	59869	8.547	ng	# 75
25) Isophorone	7.386	82	455776	23.839	ng	# 65
32) Benzoic acid	8.098	122	139	2.200	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	40685	8.286	ng	# 22
57) 2,4-Dinitrotoluene	9.857	165	40685	6.383	ng	# 17
77) Benzidine	12.933	184	11403	Below Cal	#	86

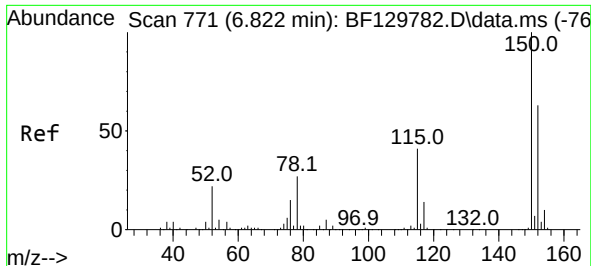
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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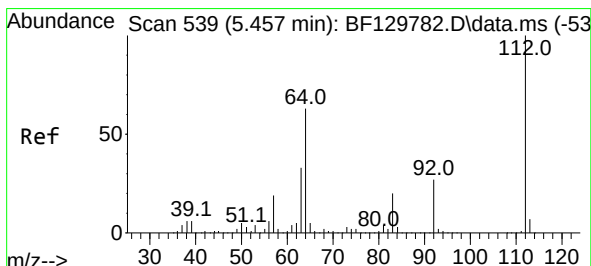
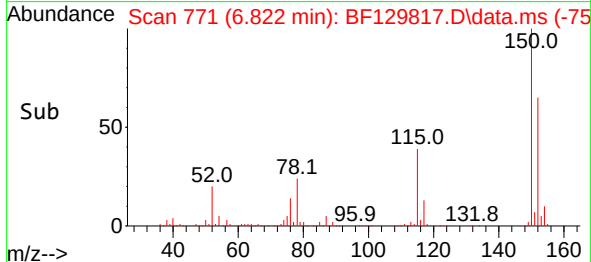
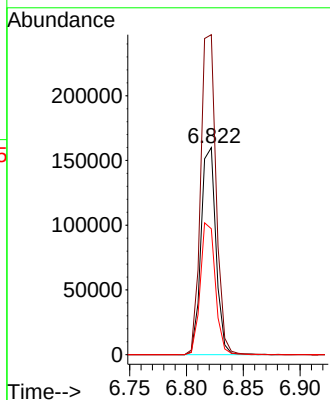
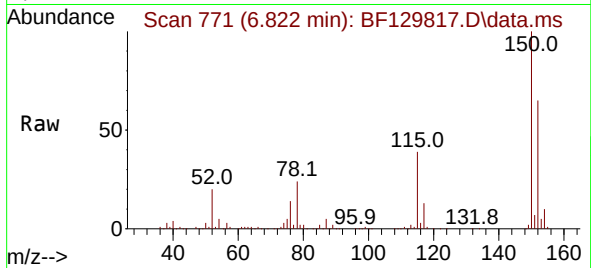




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

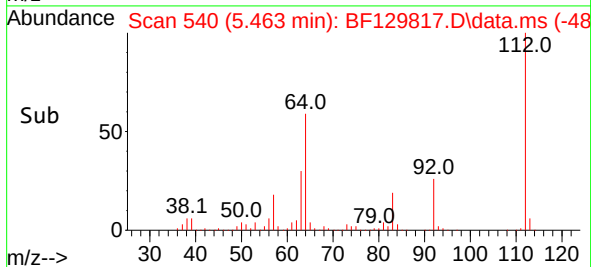
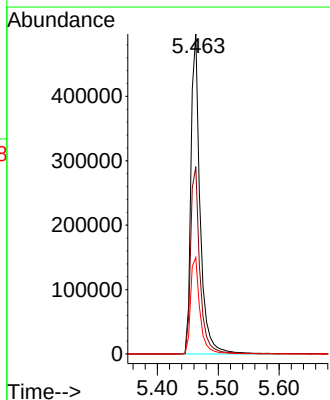
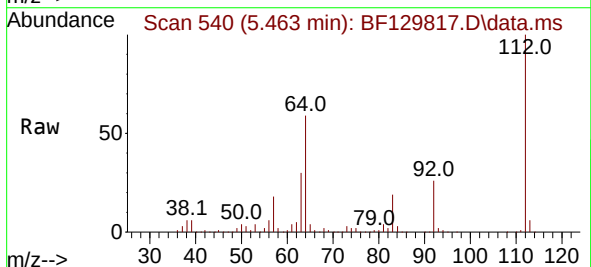
Instrument :
BNA_F
ClientSampleId :
W-1

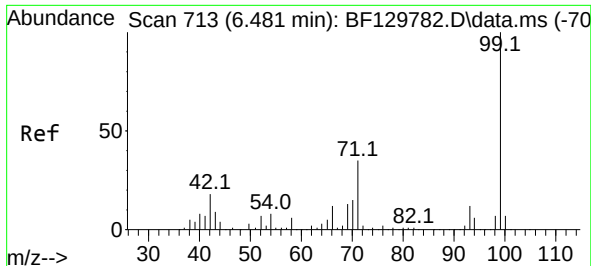
Tgt Ion:152 Resp: 146511
Ion Ratio Lower Upper
152 100
150 154.5 126.9 190.3
115 60.8 53.4 80.0



#5
2-Fluorophenol
Concen: 58.960 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

Tgt Ion:112 Resp: 521728
Ion Ratio Lower Upper
112 100
64 58.5 47.6 71.4
63 30.1 24.6 37.0





#7

Phenol-d6

Concen: 62.020 ng

RT: 6.475 min Scan# 712

Delta R.T. -0.006 min

Lab File: BF129817.D

Acq: 16 Aug 2022 18:38

Instrument :

BNA_F

ClientSampleId :

W-1

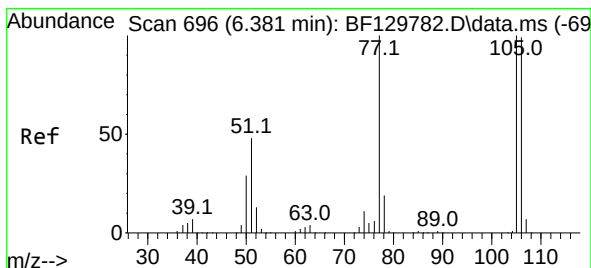
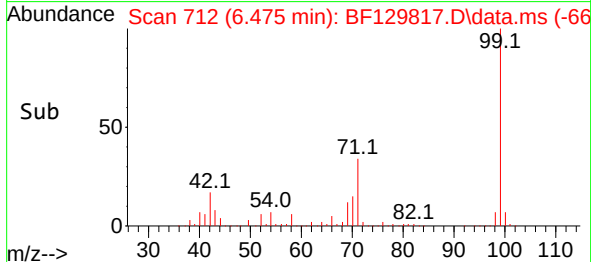
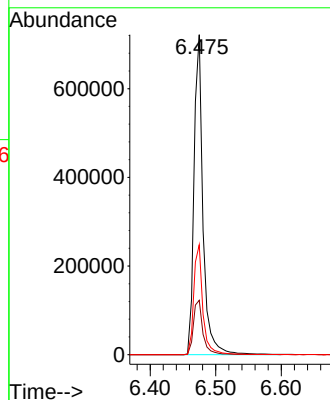
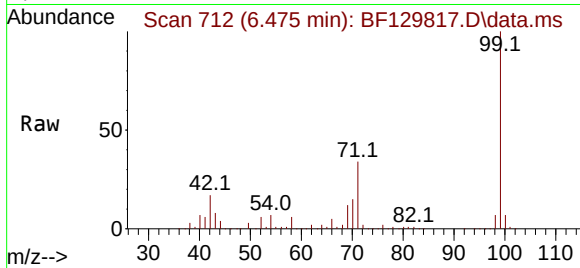
Tgt Ion: 99 Resp: 687263

Ion Ratio Lower Upper

99 100

42 17.0 15.0 22.4

71 34.4 28.8 43.2



#9

Benzaldehyde

Concen: Below Cal

RT: 6.475 min Scan# 712

Delta R.T. 0.094 min

Lab File: BF129817.D

Acq: 16 Aug 2022 18:38

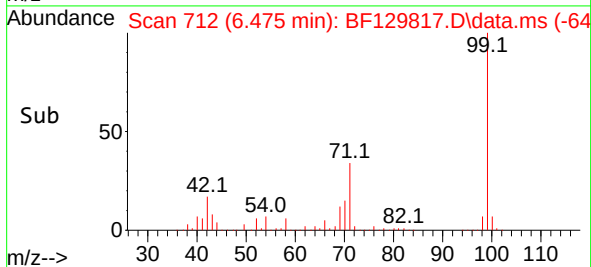
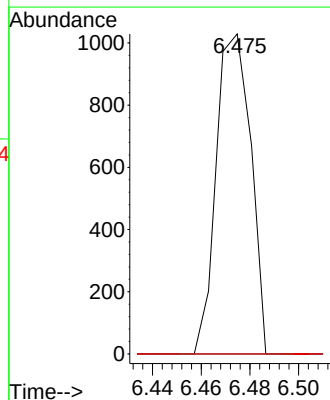
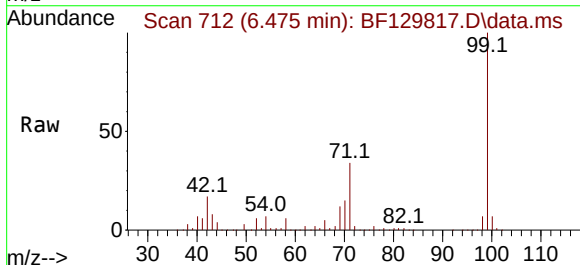
Tgt Ion: 77 Resp: 1014

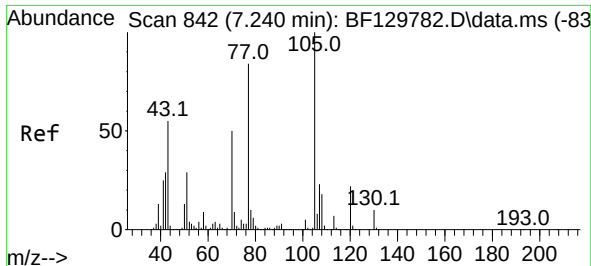
Ion Ratio Lower Upper

77 100

105 0.0 80.3 120.3#

106 0.0 74.3 114.3#

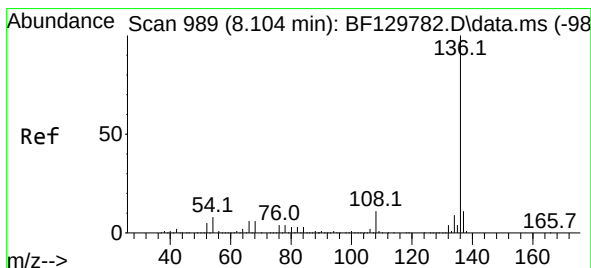
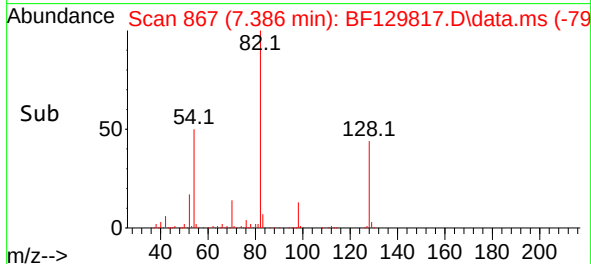
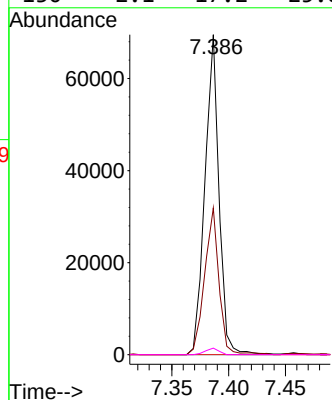
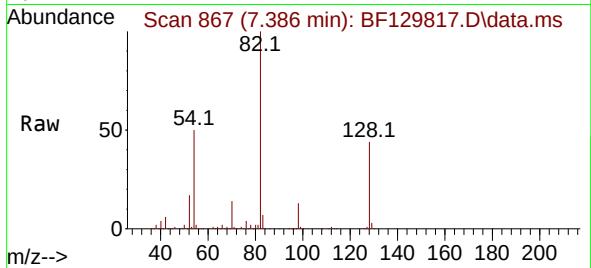




#19
n-Nitroso-di-n-propylamine
Concen: 8.547 ng
RT: 7.386 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

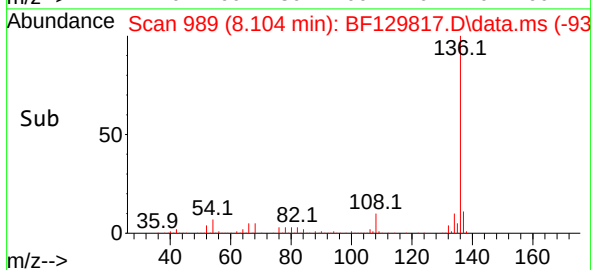
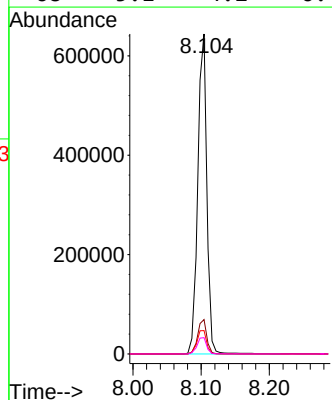
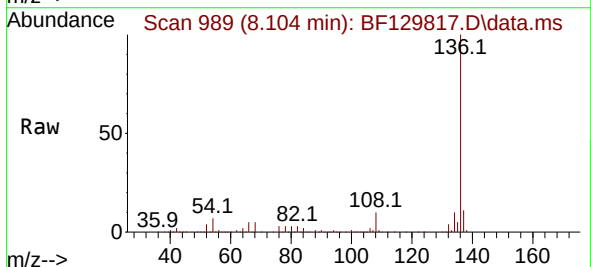
Instrument :
BNA_F
ClientSampleId :
W-1

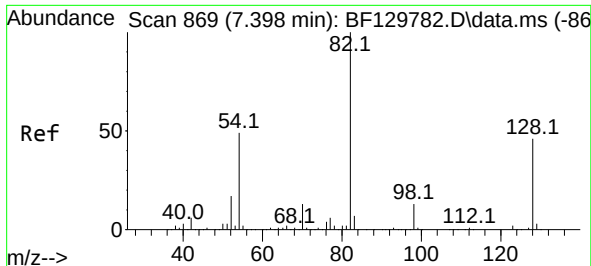
Tgt Ion: 70 Resp: 59869
Ion Ratio Lower Upper
70 100
42 45.9 47.6 71.4#
101 0.0 8.1 12.1#
130 2.1 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

Tgt Ion: 136 Resp: 594643
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.3 6.2 9.2
68 5.1 4.2 6.4

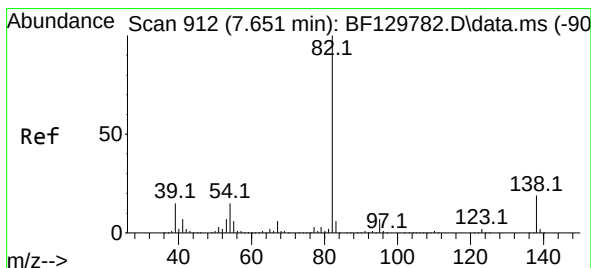
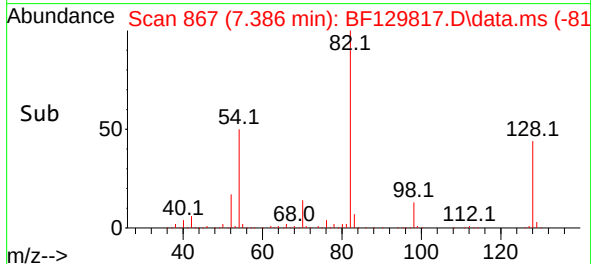
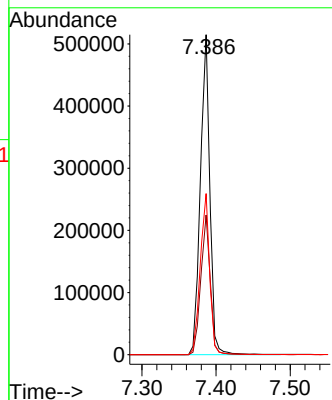
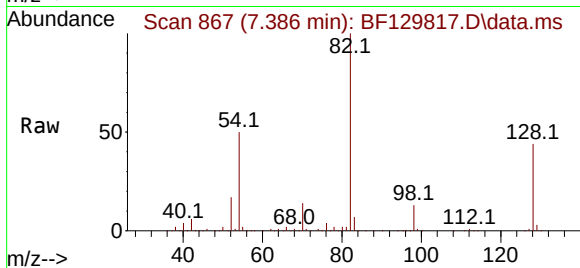




#23
Nitrobenzene-d5
Concen: 41.031 ng
RT: 7.386 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

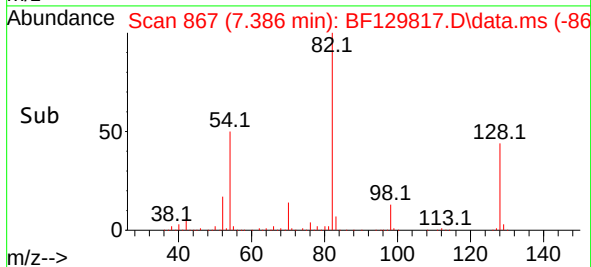
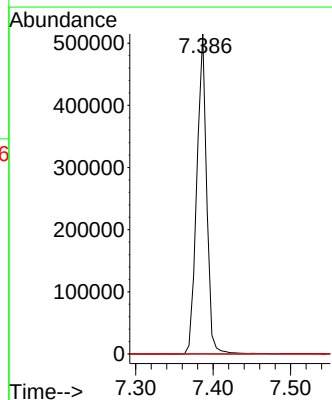
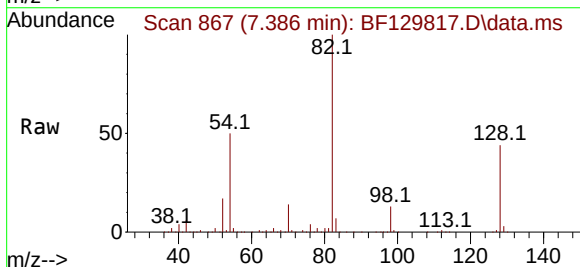
Instrument :
BNA_F
ClientSampleId :
W-1

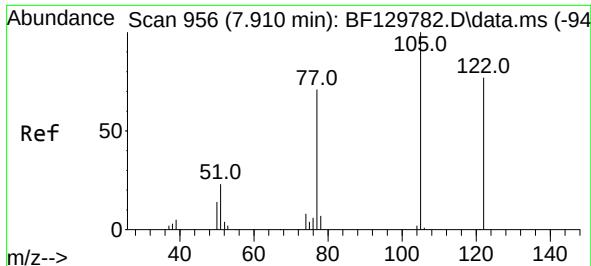
Tgt Ion: 82 Resp: 455781
Ion Ratio Lower Upper
82 100
128 43.6 36.1 54.1
54 50.3 40.0 60.0



#25
Isophorone
Concen: 23.839 ng
RT: 7.386 min Scan# 867
Delta R.T. -0.265 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

Tgt Ion: 82 Resp: 455776
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

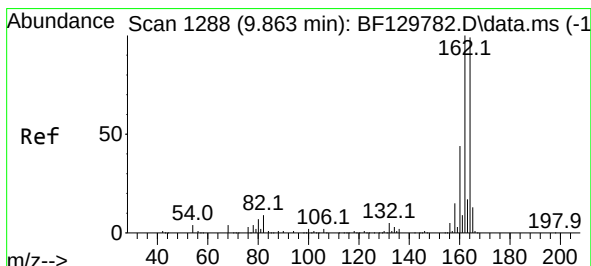
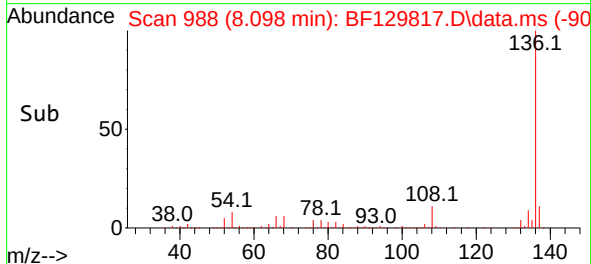
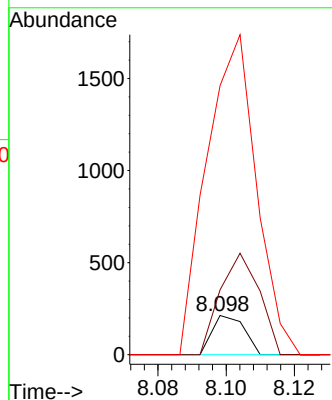
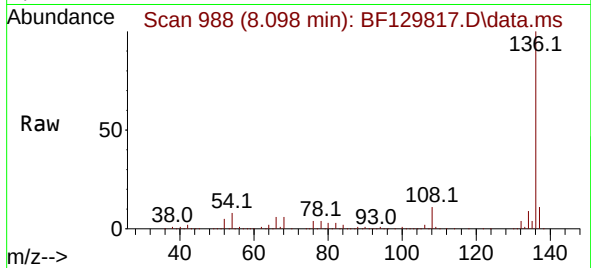




#32
Benzoic acid
Concen: 2.200 ng
RT: 8.098 min Scan# 91
Delta R.T. 0.182 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

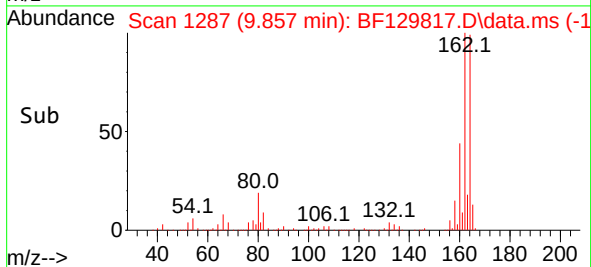
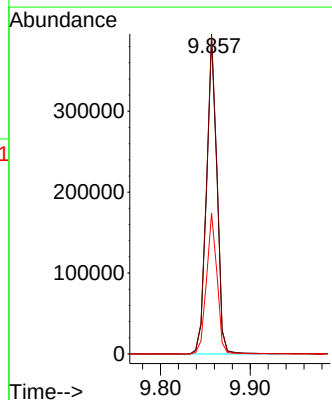
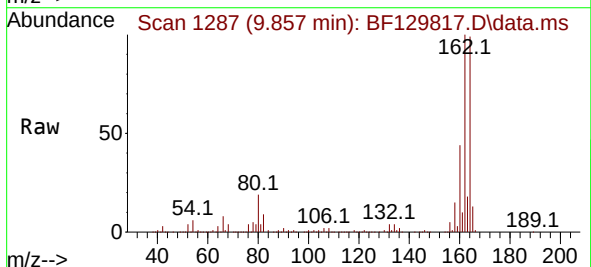
Instrument :
BNA_F
ClientSampleId :
W-1

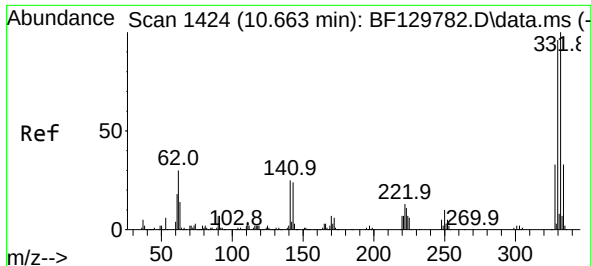
Tgt Ion:122 Resp: 139
Ion Ratio Lower Upper
122 100
105 165.3 99.9 139.9#
77 685.9 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

Tgt Ion:164 Resp: 315766
Ion Ratio Lower Upper
164 100
162 101.0 82.0 123.0
160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 51.759 ng

RT: 10.651 min Scan# 1422

Delta R.T. -0.012 min

Lab File: BF129817.D

Acq: 16 Aug 2022 18:38

Instrument :

BNA_F

ClientSampleId :

W-1

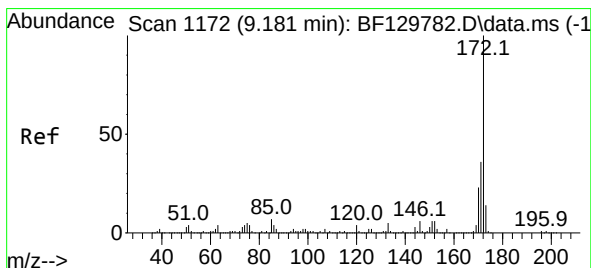
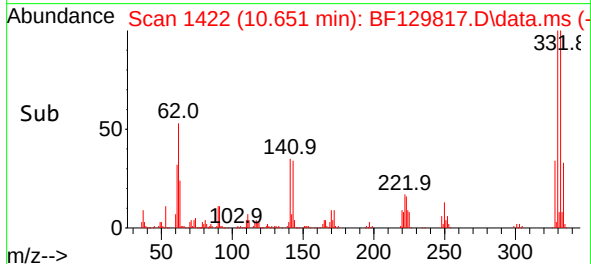
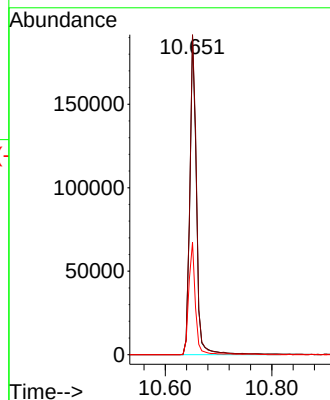
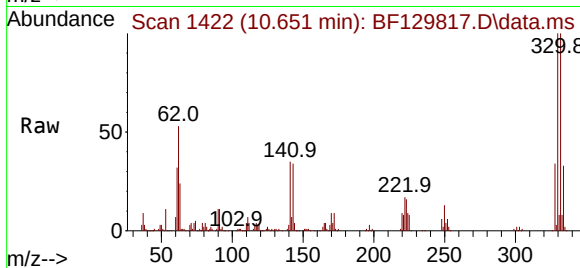
Tgt Ion:330 Resp: 164035

Ion Ratio Lower Upper

330 100

332 101.3 82.6 124.0

141 35.4 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 42.644 ng

RT: 9.175 min Scan# 1171

Delta R.T. -0.012 min

Lab File: BF129817.D

Acq: 16 Aug 2022 18:38

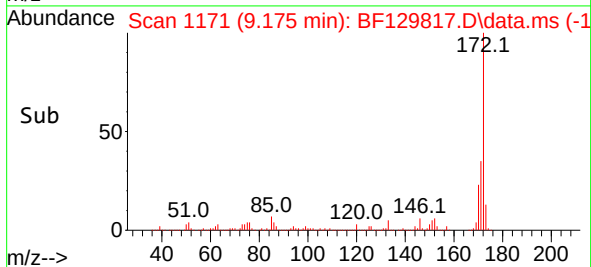
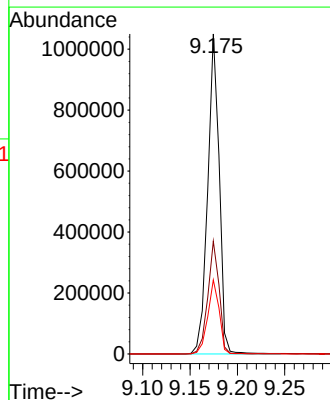
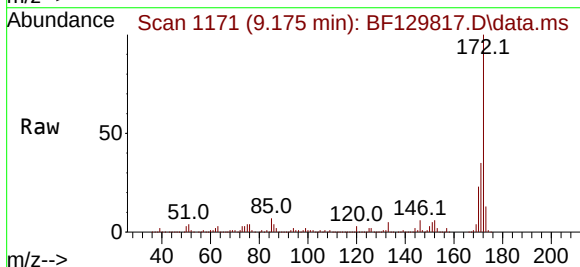
Tgt Ion:172 Resp: 886590

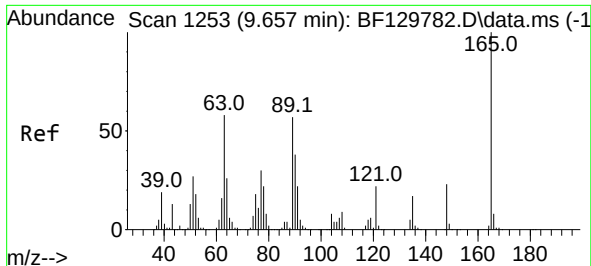
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.1 19.1 28.7

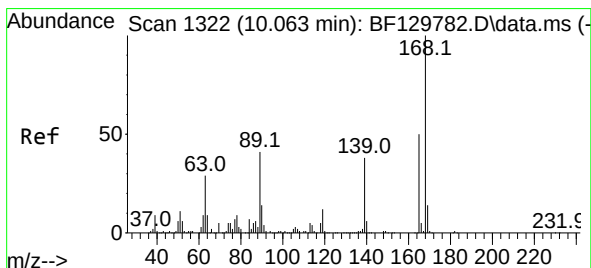
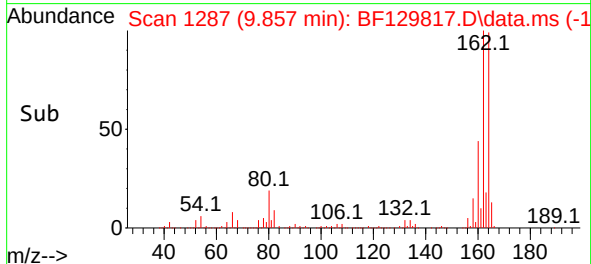
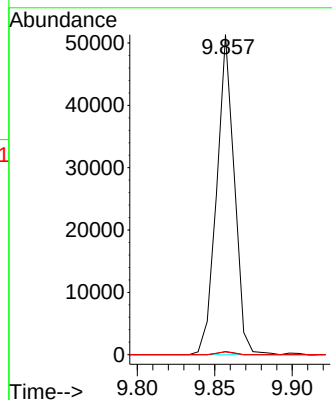
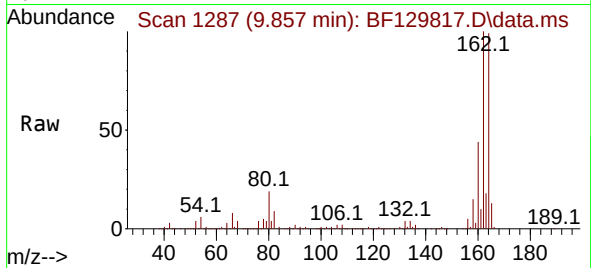




#51
2,6-Dinitrotoluene
Concen: 8.286 ng
RT: 9.857 min Scan# 1253
Delta R.T. 0.200 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

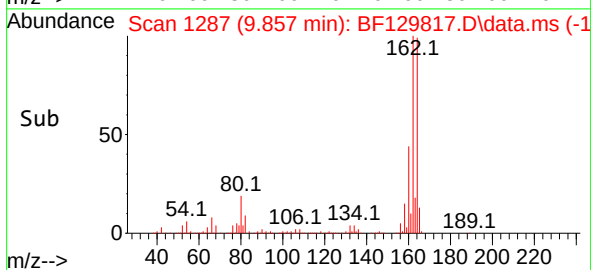
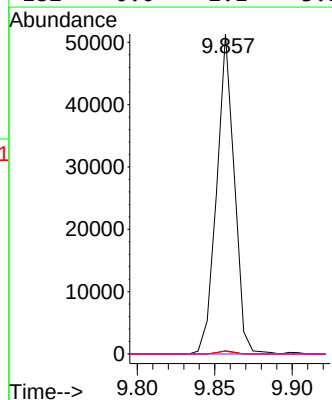
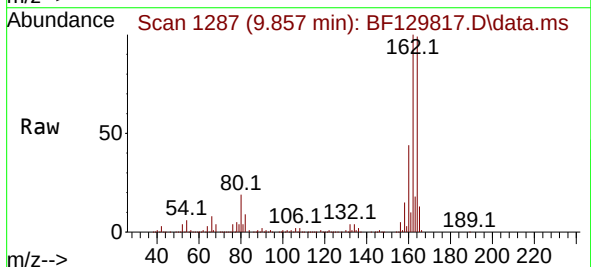
Instrument :
BNA_F
ClientSampleId :
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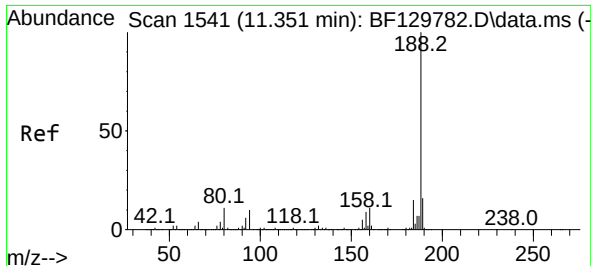
Tgt Ion:165 Resp: 40685
Ion Ratio Lower Upper
165 100
63 1.0 47.8 71.8#
89 0.9 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.383 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.212 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

Tgt Ion:165 Resp: 40685
Ion Ratio Lower Upper
165 100
63 1.0 48.4 72.6#
89 0.9 62.3 93.5#
182 0.0 2.1 3.1#

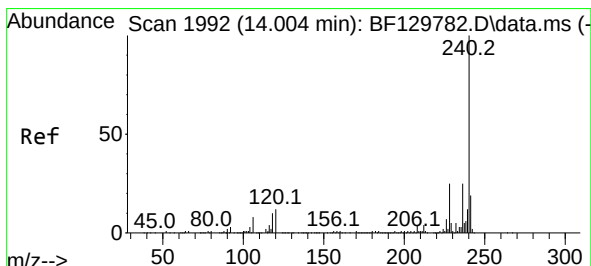
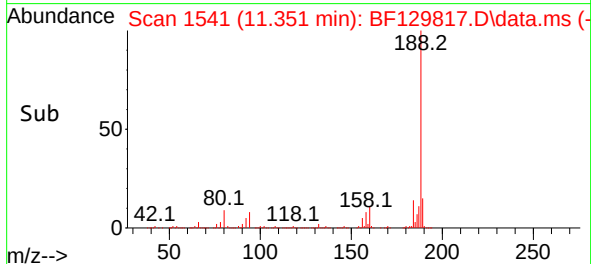
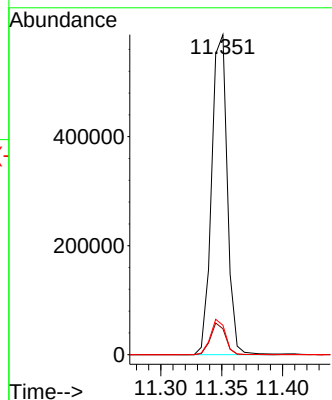
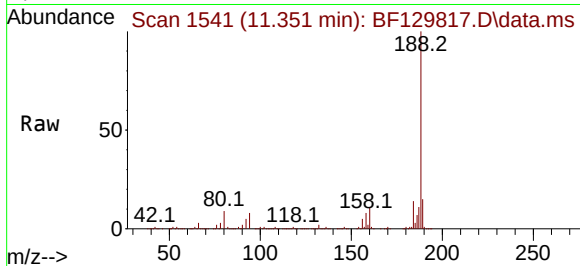




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

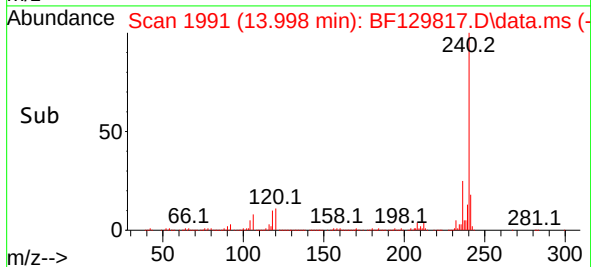
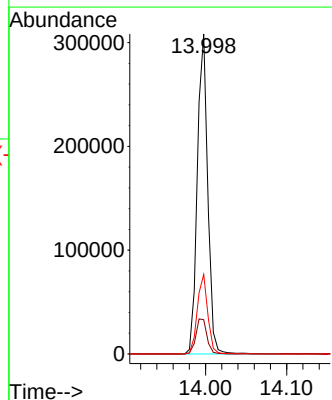
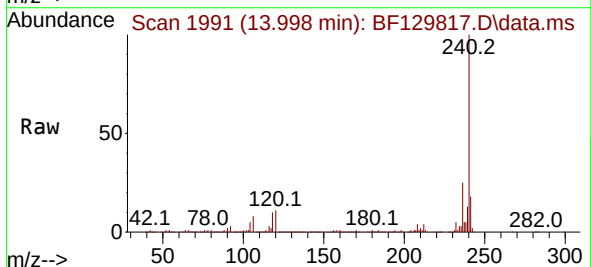
Instrument :
BNA_F
ClientSampleId :
W-1

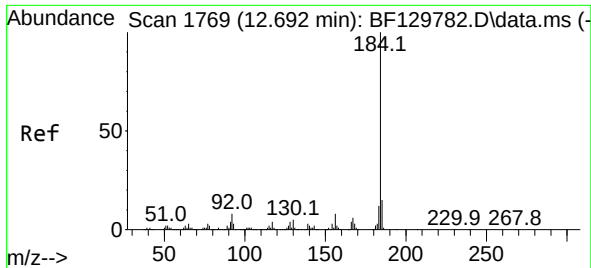
Tgt Ion:188 Resp: 524189
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 9.2 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

Tgt Ion:240 Resp: 276393
Ion Ratio Lower Upper
240 100
120 10.7 9.2 13.8
236 24.9 20.7 31.1

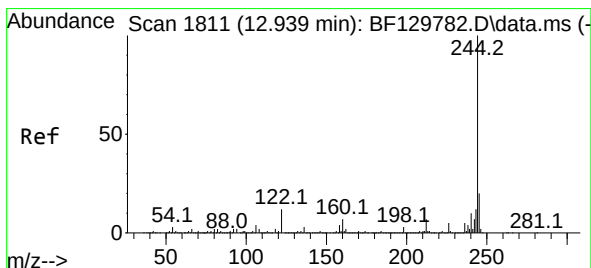
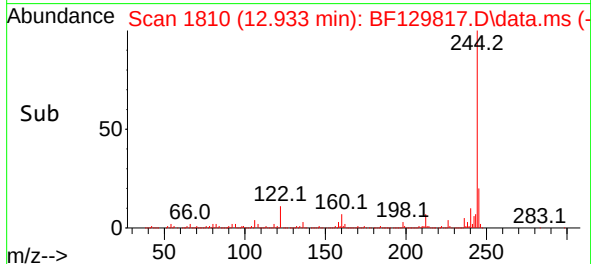
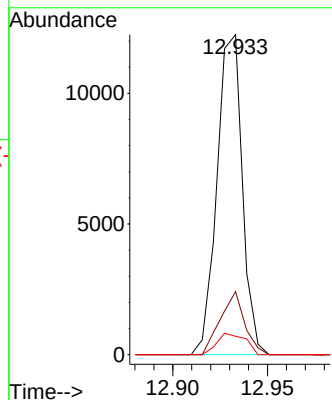
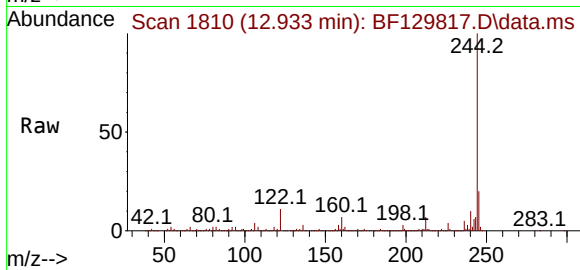




#77
Benzidine
Concen: Below Cal
RT: 12.933 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

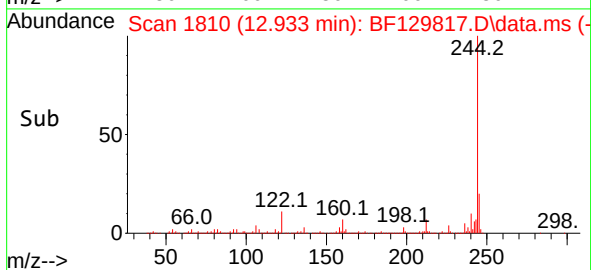
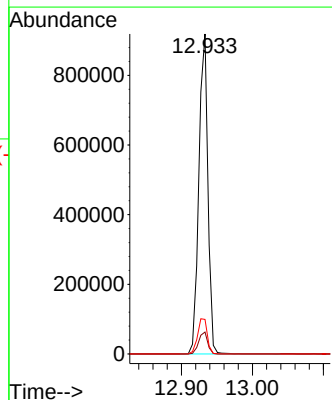
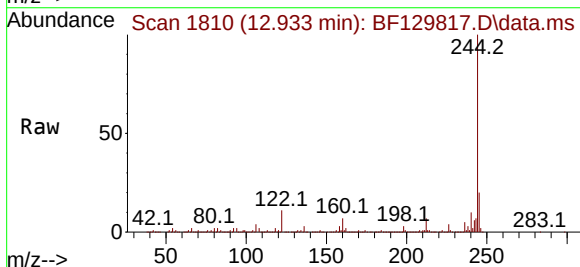
Instrument :
BNA_F
ClientSampleId :
W-1

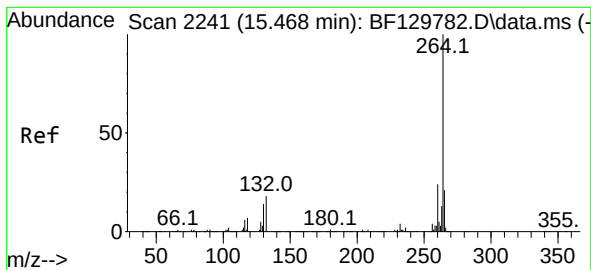
Tgt Ion:184 Resp: 11403
Ion Ratio Lower Upper
184 100
185 19.7 11.4 17.2#
183 5.7 9.4 14.2#



#79
Terphenyl-d14
Concen: 49.001 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129817.D
Acq: 16 Aug 2022 18:38

Tgt Ion:244 Resp: 813938
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 10.8 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129817.D

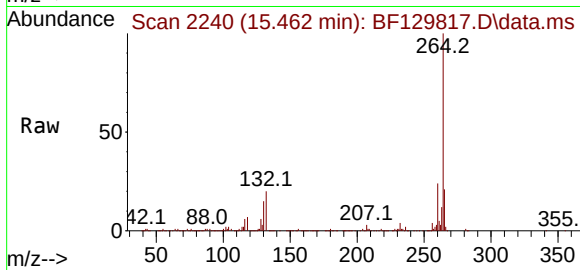
Acq: 16 Aug 2022 18:38

Instrument :

BNA_F

ClientSampleId :

W-1



Tgt Ion:264 Resp: 273991

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

265 21.5 16.7 25.1

