

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
 Data File : BF128310.D
 Acq On : 18 May 2022 14:32
 Operator : CG\JU
 Sample : N2824-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COM-1

Quant Time: May 18 16:50:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 18 01:31:11 2022
 Response via : Initial Calibration

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

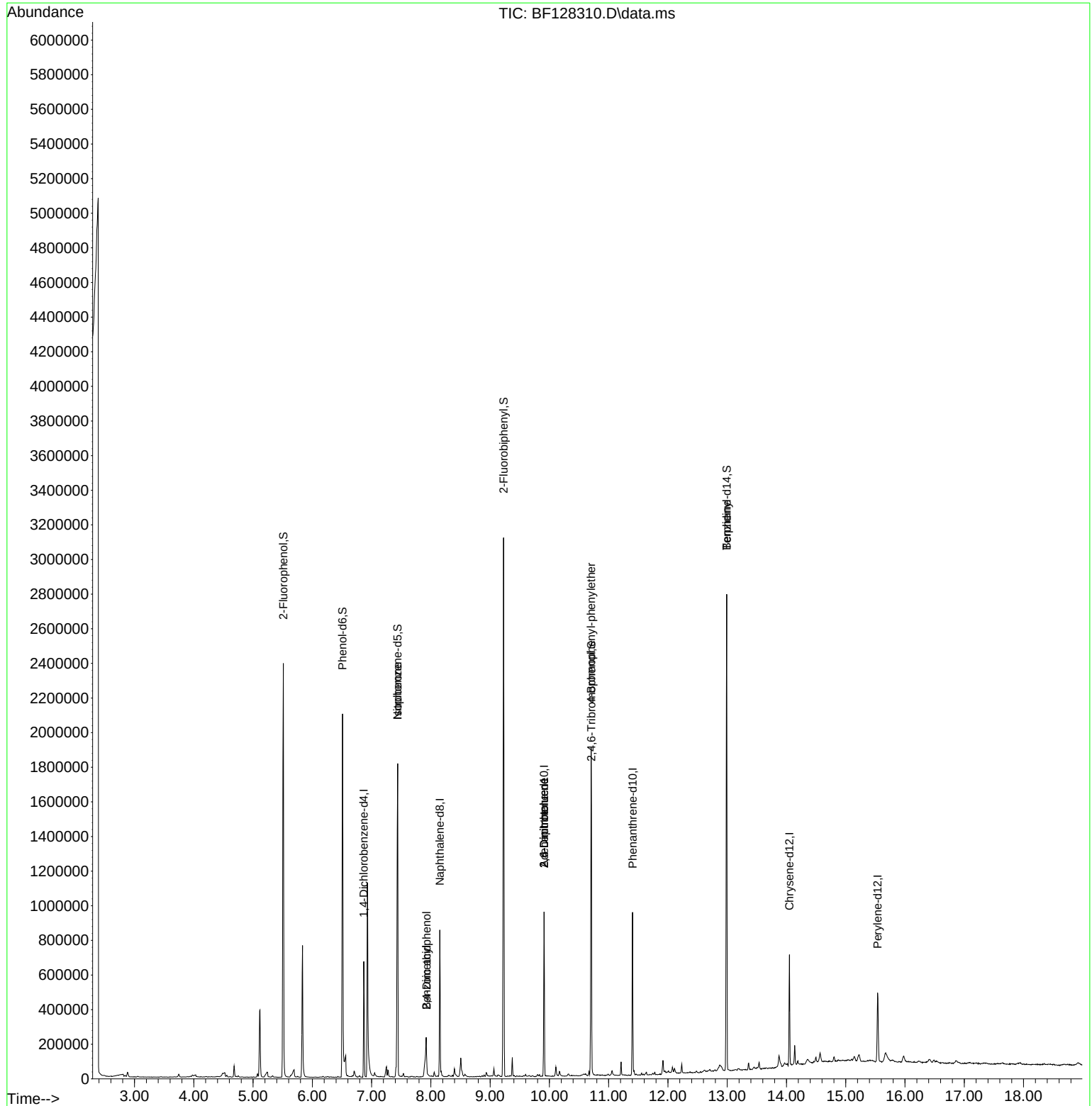
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	85270	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	334203	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	187074	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	313466	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	205150	20.000	ng	-0.01
86) Perylene-d12	15.539	264	181199	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	586369	109.623	ng	0.01
7) Phenol-d6	6.510	99	688660	97.339	ng	0.00
23) Nitrobenzene-d5	7.439	82	605074	81.466	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	229714	107.067	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	936811	78.355	ng	-0.01
79) Terphenyl-d14	12.992	244	928736	84.947	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.434	77	1060	Below Cal		92
25) Isophorone	7.439	82	605069	51.963 ng	#	68
27) 2,4-Dimethylphenol	7.928	122	43391	9.352 ng	#	2
32) Benzoic acid	7.928	122	43391	12.506 ng		99
51) 2,6-Dinitrotoluene	9.910	165	23476	8.865 ng	#	22
57) 2,4-Dinitrotoluene	9.910	165	23476	6.630 ng	#	27
67) 4-Bromophenyl-phenylether	10.704	248	14194	4.209 ng	#	1
77) Benzidine	12.992	184	14153	3.185 ng	#	92

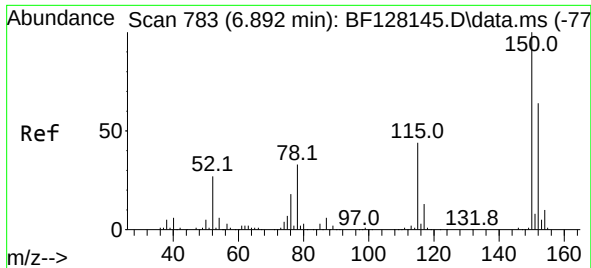
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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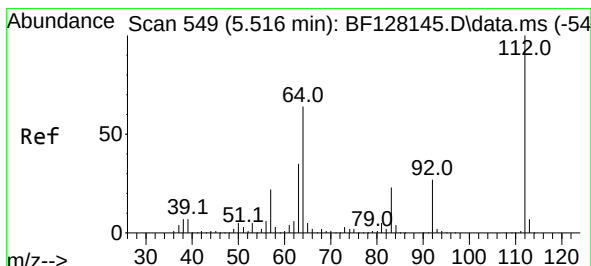
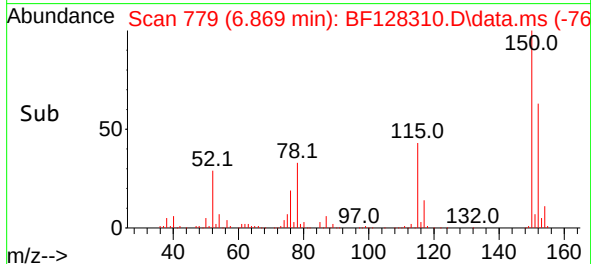
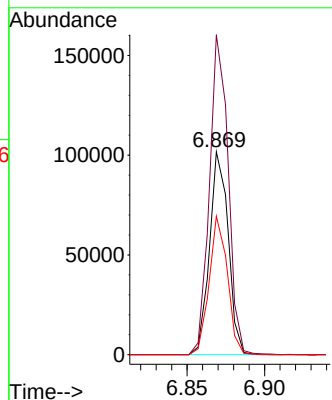
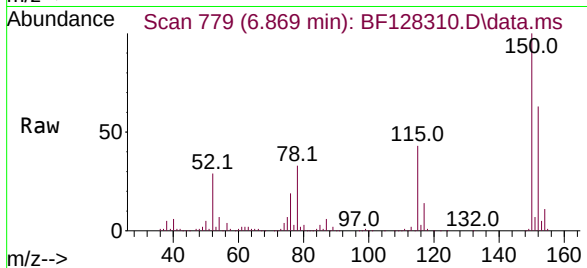




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BF128310.D
 Acq: 18 May 2022 14:32

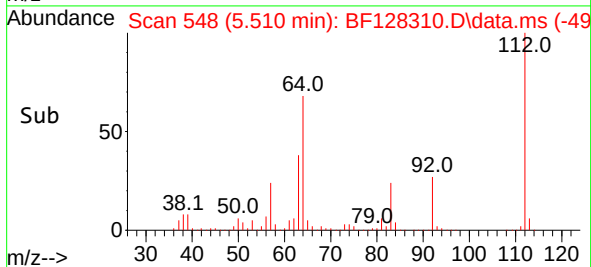
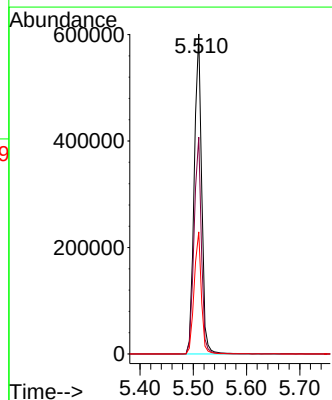
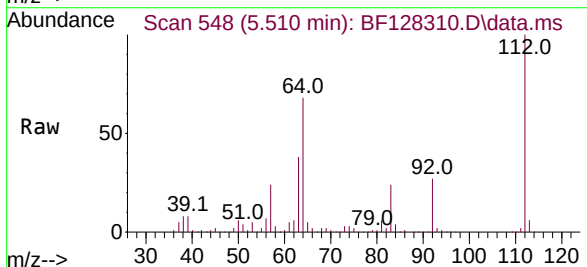
Instrument :
 BNA_F
 ClientSampleId :
 COM-1

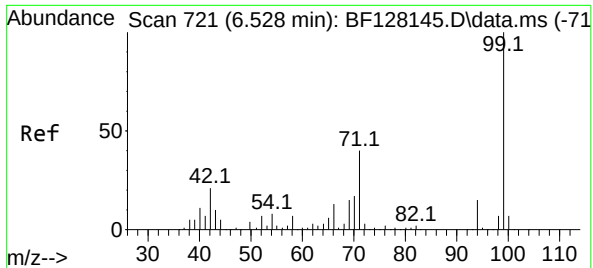
Tgt Ion:152 Resp: 85270
 Ion Ratio Lower Upper
 152 100
 150 157.8 125.3 187.9
 115 68.3 48.8 73.2



#5
 2-Fluorophenol
 Concen: 109.623 ng
 RT: 5.510 min Scan# 548
 Delta R.T. 0.012 min
 Lab File: BF128310.D
 Acq: 18 May 2022 14:32

Tgt Ion:112 Resp: 586369
 Ion Ratio Lower Upper
 112 100
 64 67.7 49.5 74.3
 63 38.2 26.3 39.5

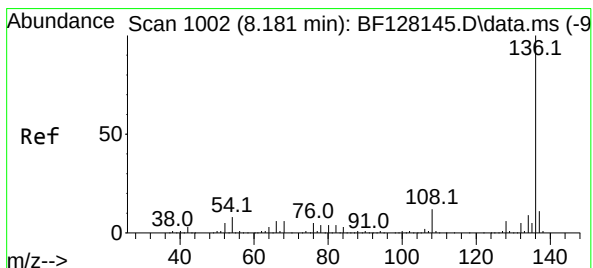
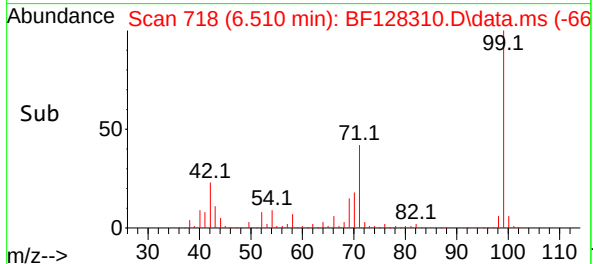
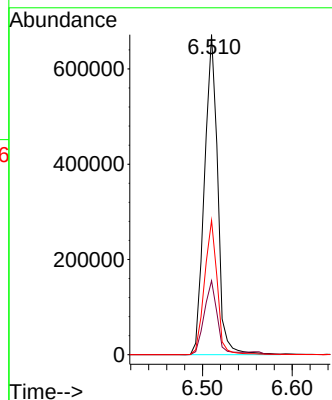
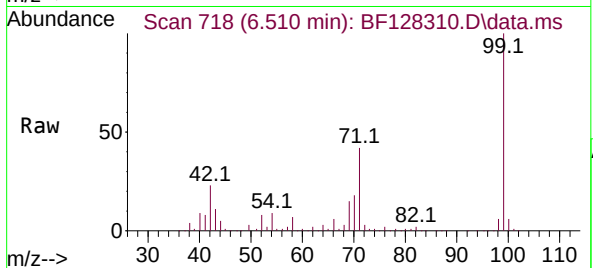




#7
Phenol-d6
Concen: 97.339 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

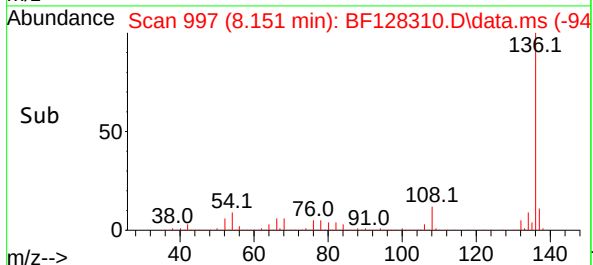
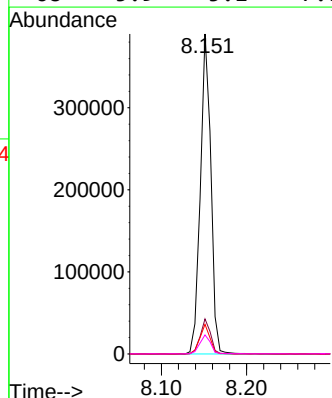
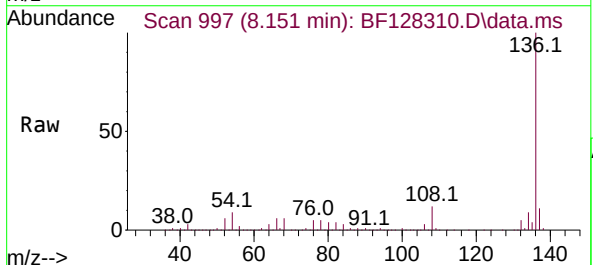
Instrument :
BNA_F
ClientSampleId :
COM-1

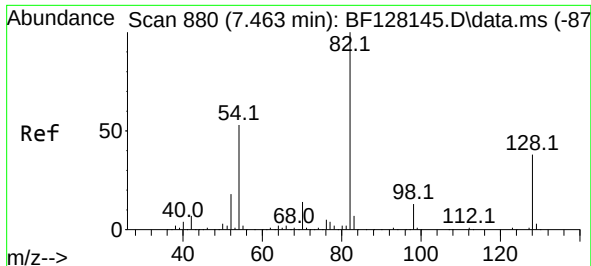
Tgt Ion: 99 Resp: 688660
Ion Ratio Lower Upper
99 100
42 23.1 16.6 24.8
71 41.9 30.0 45.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.012 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

Tgt Ion: 136 Resp: 334203
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.3 6.8 10.2
68 5.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 81.466 ng

RT: 7.439 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128310.D

Acq: 18 May 2022 14:32

Instrument :

BNA_F

ClientSampleId :

COM-1

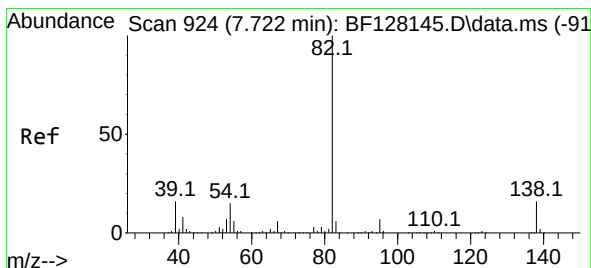
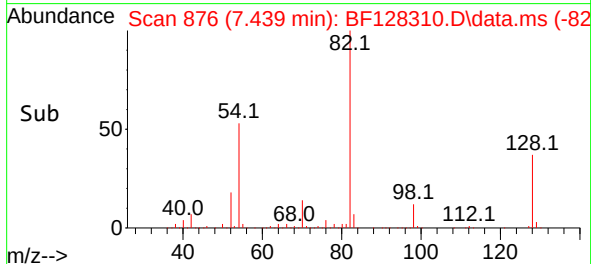
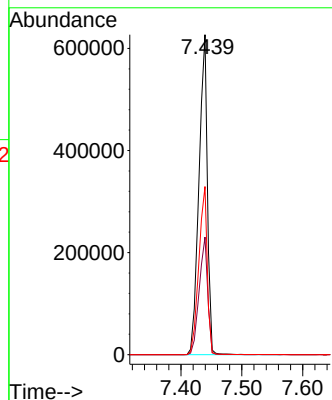
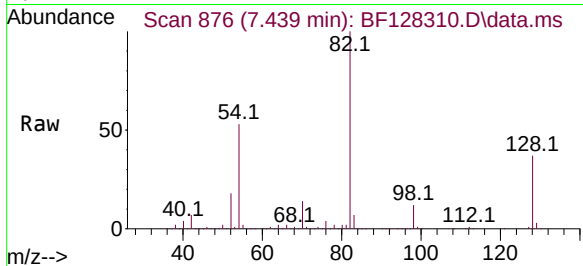
Tgt Ion: 82 Resp: 605074

Ion Ratio Lower Upper

82 100

128 36.7 30.0 45.0

54 52.5 41.3 61.9



#25

Isophorone

Concen: 51.963 ng

RT: 7.439 min Scan# 876

Delta R.T. -0.265 min

Lab File: BF128310.D

Acq: 18 May 2022 14:32

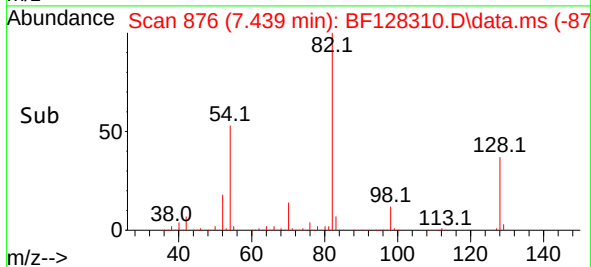
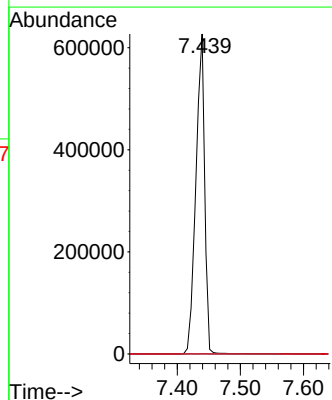
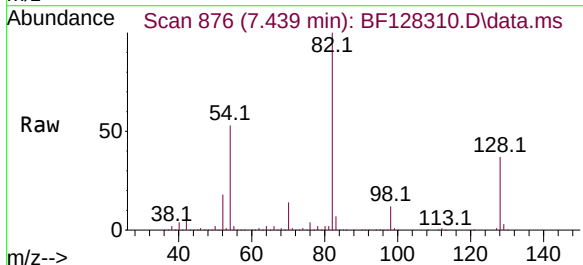
Tgt Ion: 82 Resp: 605069

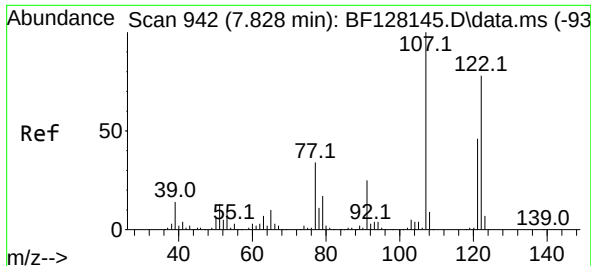
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 12.5 18.7#

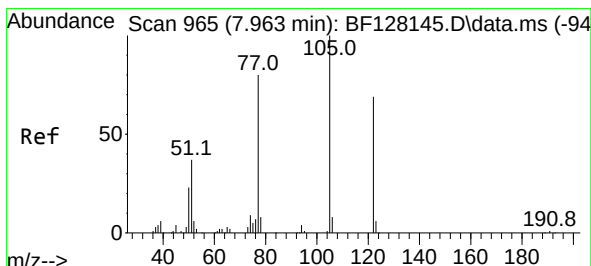
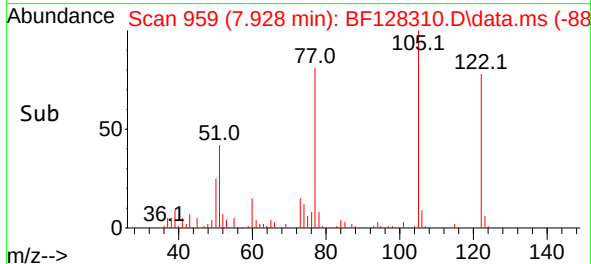
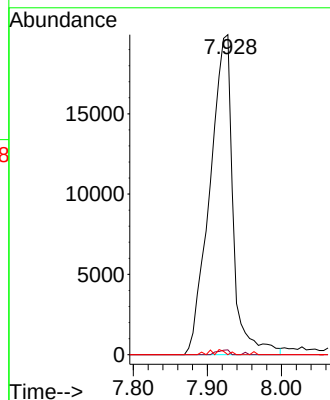
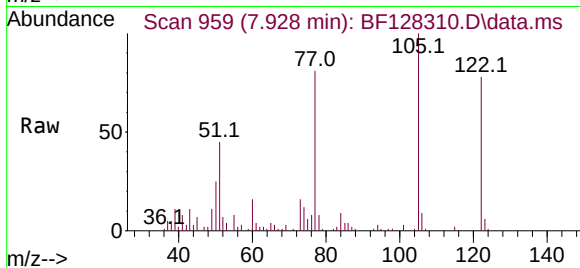




#27
2,4-Dimethylphenol
Concen: 9.352 ng
RT: 7.928 min Scan# 91
Delta R.T. 0.112 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

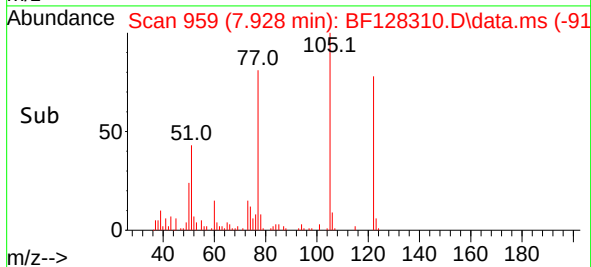
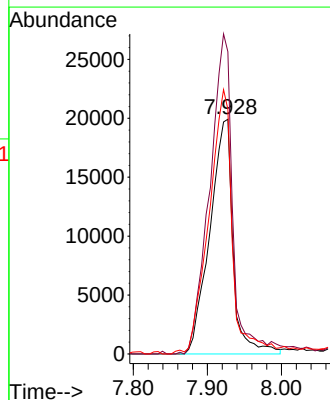
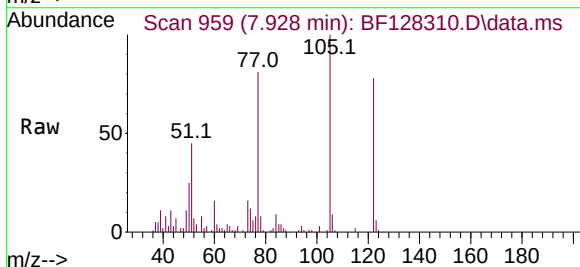
Instrument :
BNA_F
ClientSampleId :
COM-1

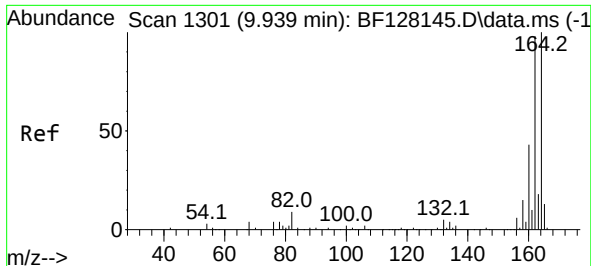
Tgt Ion:122 Resp: 43391
Ion Ratio Lower Upper
122 100
107 1.5 97.5 146.3#
121 0.0 46.0 69.0#



#32
Benzoic acid
Concen: 12.506 ng
RT: 7.928 min Scan# 959
Delta R.T. -0.030 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

Tgt Ion:122 Resp: 43391
Ion Ratio Lower Upper
122 100
105 128.7 107.9 147.9
77 104.2 82.5 122.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF128310.D

Acq: 18 May 2022 14:32

Instrument :

BNA_F

ClientSampleId :

COM-1

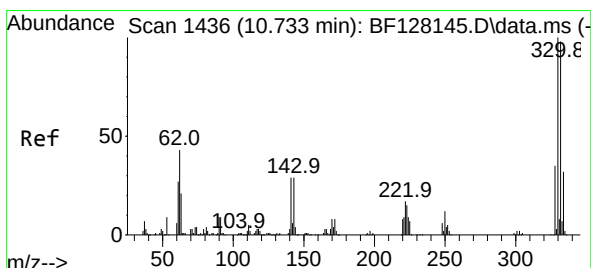
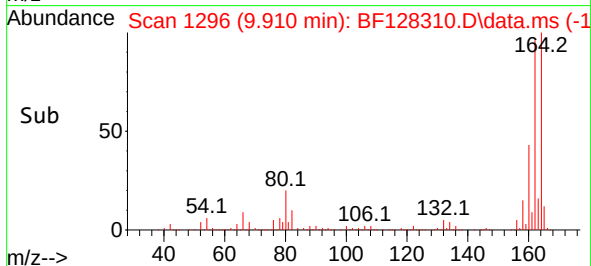
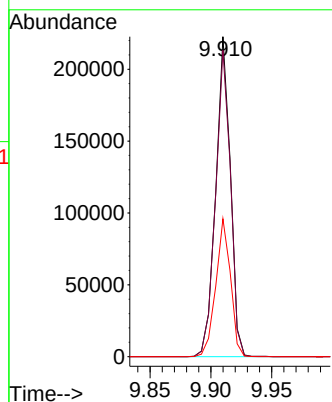
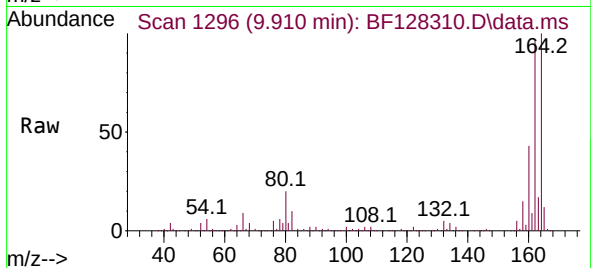
Tgt Ion:164 Resp: 187074

Ion Ratio Lower Upper

164 100

162 95.7 76.0 114.0

160 43.1 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 107.067 ng

RT: 10.710 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF128310.D

Acq: 18 May 2022 14:32

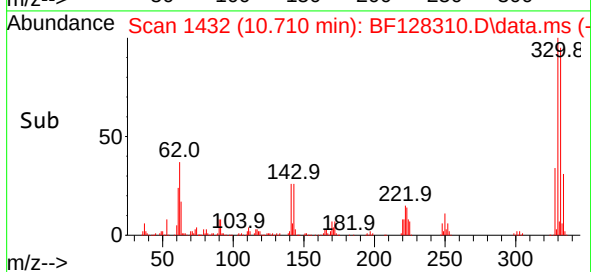
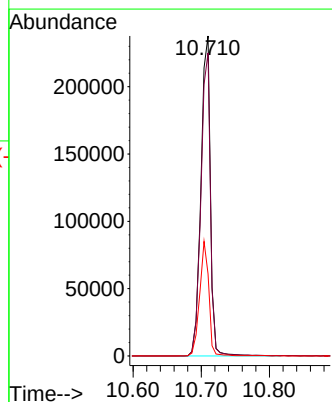
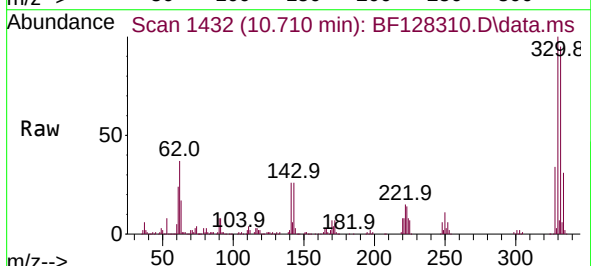
Tgt Ion:330 Resp: 229714

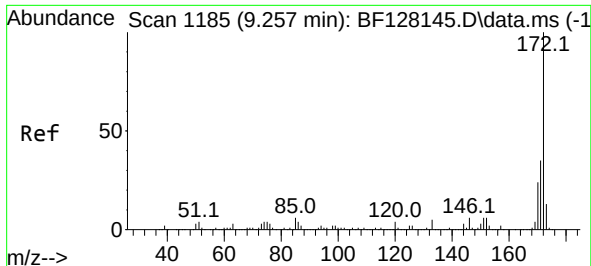
Ion Ratio Lower Upper

330 100

332 95.3 79.0 118.4

141 34.7 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 78.355 ng

RT: 9.228 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF128310.D

Acq: 18 May 2022 14:32

Instrument :

BNA_F

ClientSampleId :

COM-1

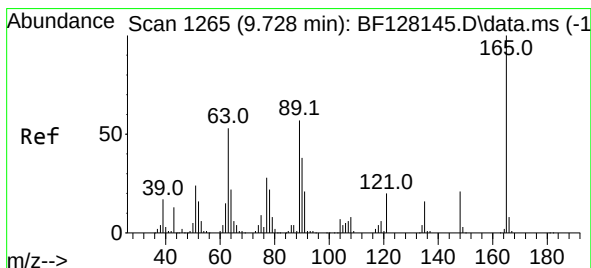
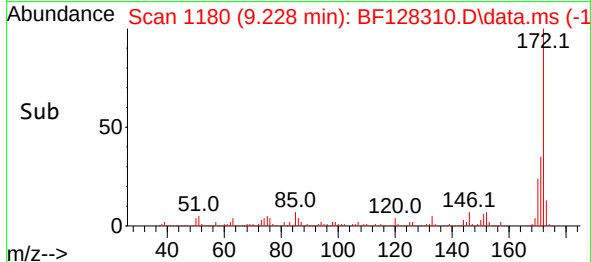
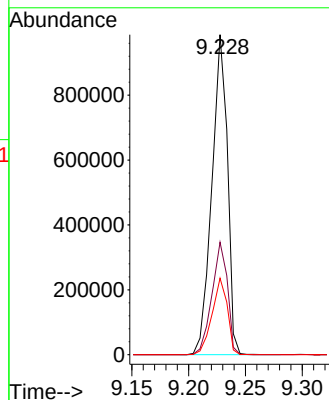
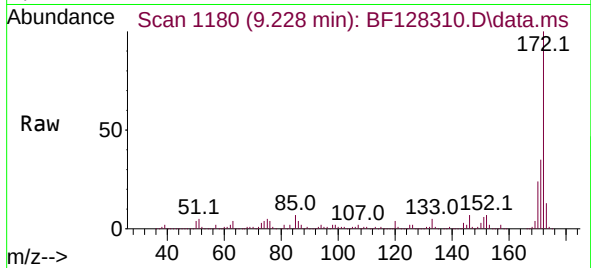
Tgt Ion:172 Resp: 936811

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.9 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.865 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.200 min

Lab File: BF128310.D

Acq: 18 May 2022 14:32

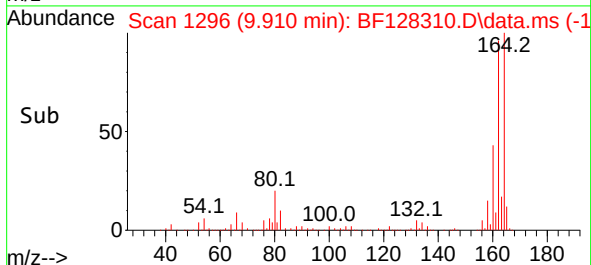
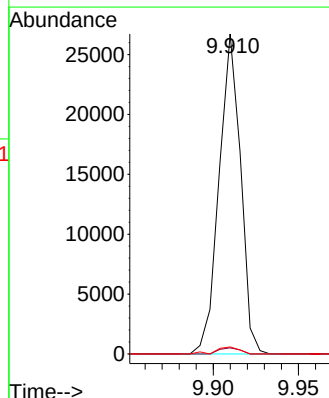
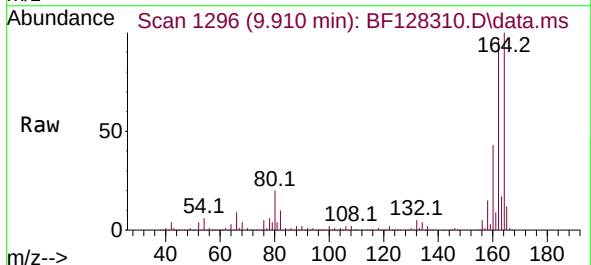
Tgt Ion:165 Resp: 23476

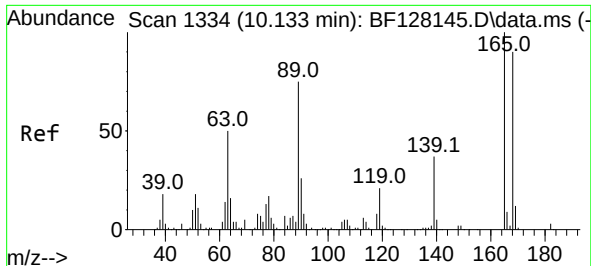
Ion Ratio Lower Upper

165 100

63 1.9 49.5 74.3#

89 2.2 49.0 73.4#

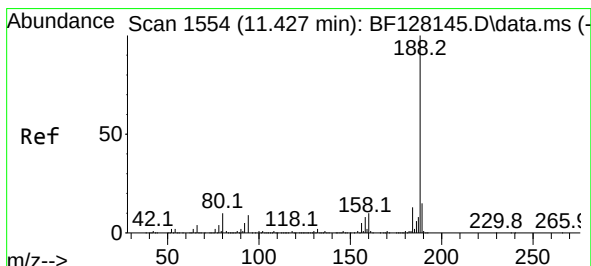
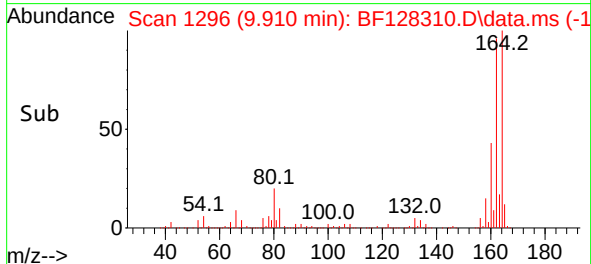
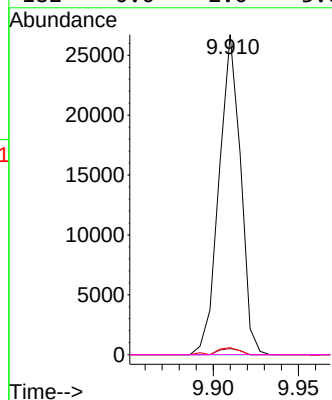
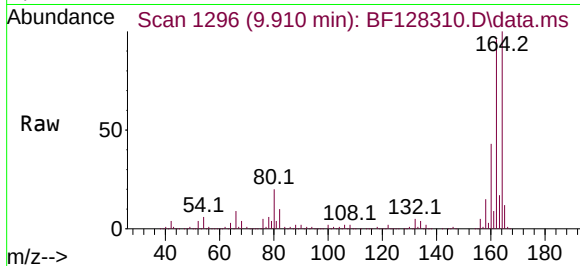




#57
2,4-Dinitrotoluene
Concen: 6.630 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

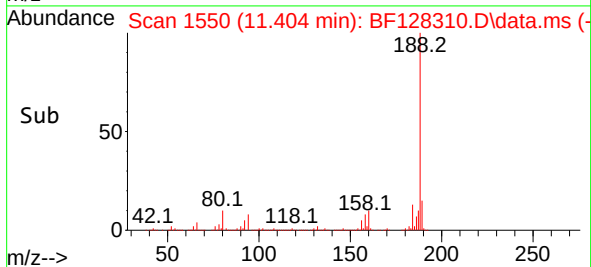
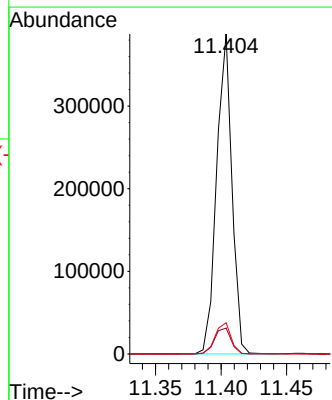
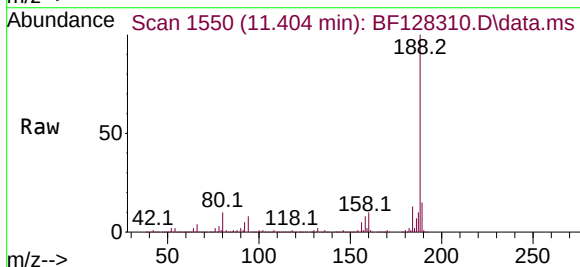
Instrument :
BNA_F
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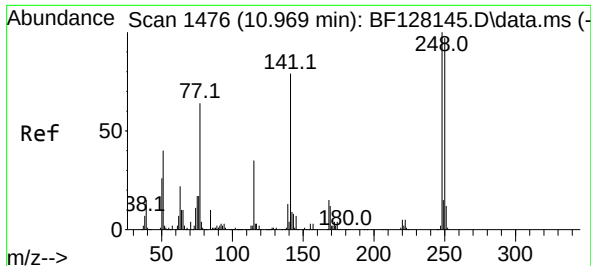
Tgt Ion:165 Resp: 23476
Ion Ratio Lower Upper
165 100
63 1.9 32.6 49.0#
89 2.2 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1550
Delta R.T. -0.012 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

Tgt Ion:188 Resp: 313466
Ion Ratio Lower Upper
188 100
94 8.1 8.0 12.0
80 9.7 8.9 13.3

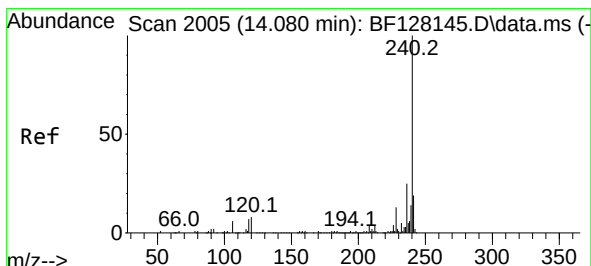
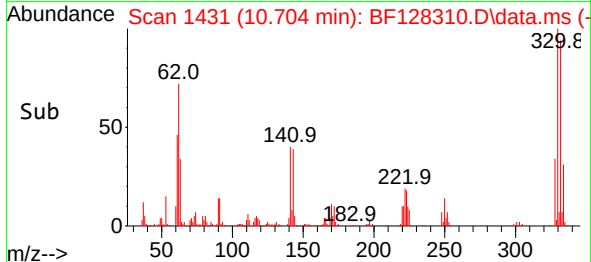
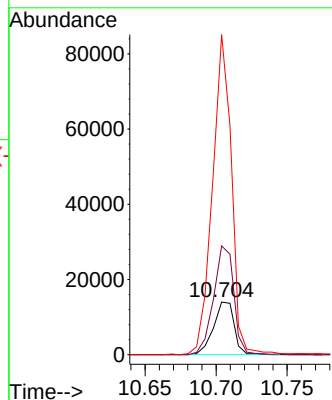
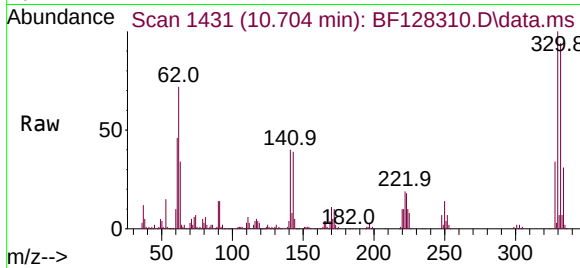




#67
4-Bromophenyl-phenylether
Concen: 4.209 ng
RT: 10.704 min Scan# 1476
Delta R.T. -0.253 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

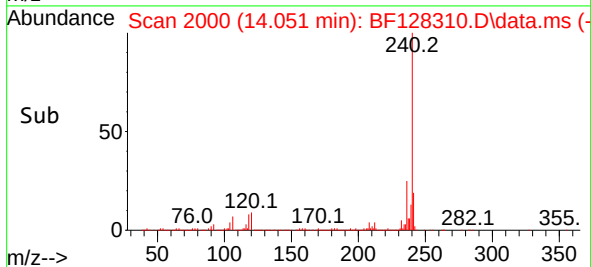
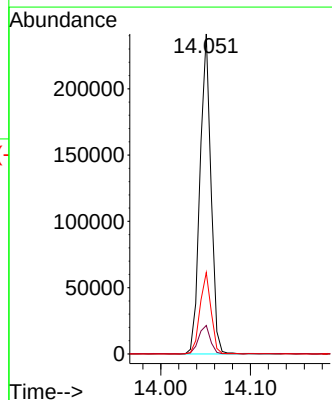
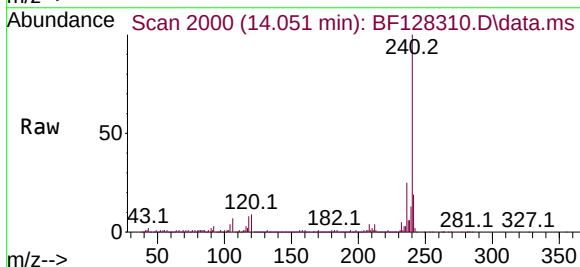
Instrument :
BNA_F
ClientSampleId :
COM-1

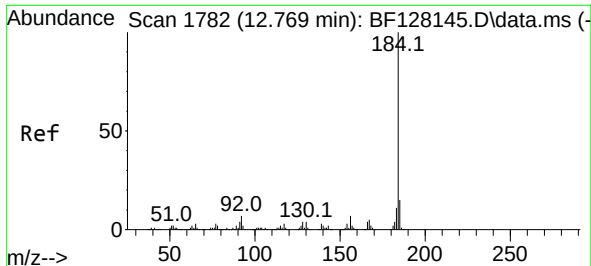
Tgt Ion:248 Resp: 14194
Ion Ratio Lower Upper
248 100
250 206.8 77.7 116.5#
141 608.6 65.6 98.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.012 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

Tgt Ion:240 Resp: 205150
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 25.5 20.3 30.5

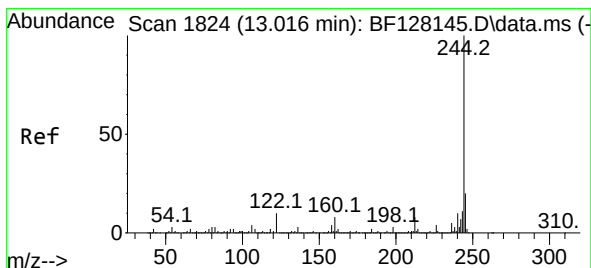
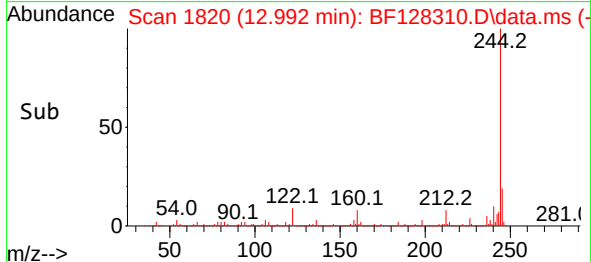
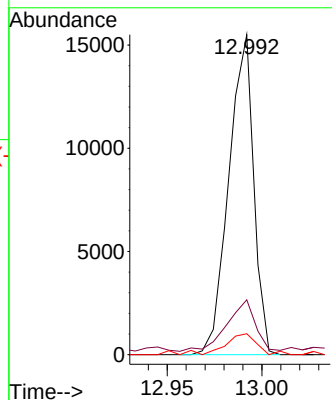
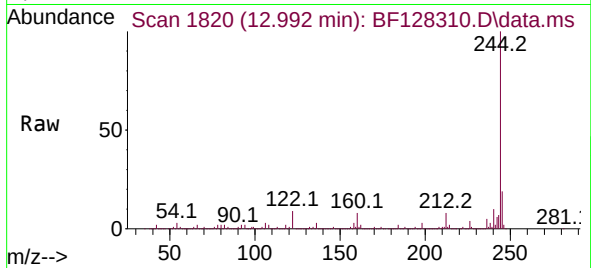




#77
Benzidine
Concen: 3.185 ng
RT: 12.992 min Scan# 1820
Delta R.T. 0.241 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

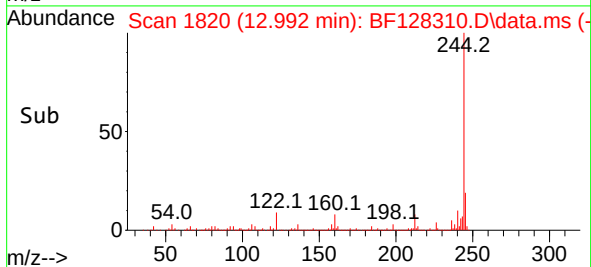
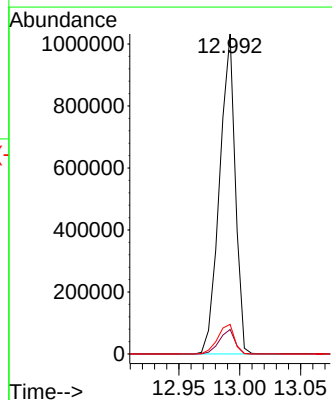
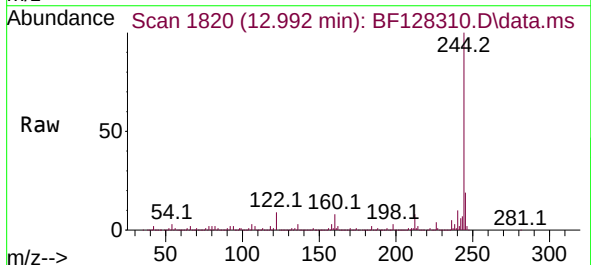
Instrument :
BNA_F
ClientSampleId :
COM-1

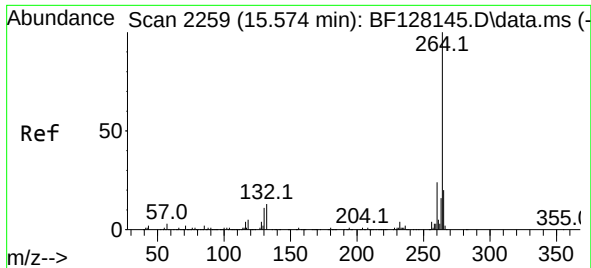
Tgt Ion:184 Resp: 14153
Ion Ratio Lower Upper
184 100
185 17.1 12.1 18.1
183 6.5 9.0 13.4#



#79
Terphenyl-d14
Concen: 84.947 ng
RT: 12.992 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

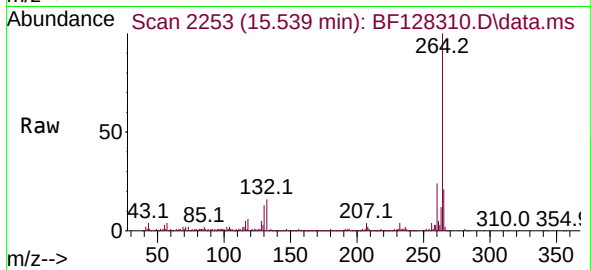
Tgt Ion:244 Resp: 928736
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 9.2 8.6 12.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF128310.D
Acq: 18 May 2022 14:32

Instrument :
BNA_F
ClientSampleId :
COM-1



Tgt Ion:264 Resp: 181199
Ion Ratio Lower Upper
264 100
260 24.0 20.1 30.1
265 21.3 17.5 26.3

