

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
 Data File : BF133440.D
 Acq On : 18 May 2023 16:07
 Operator : CG\JU
 Sample : 02828-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3

Quant Time: May 18 16:31:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

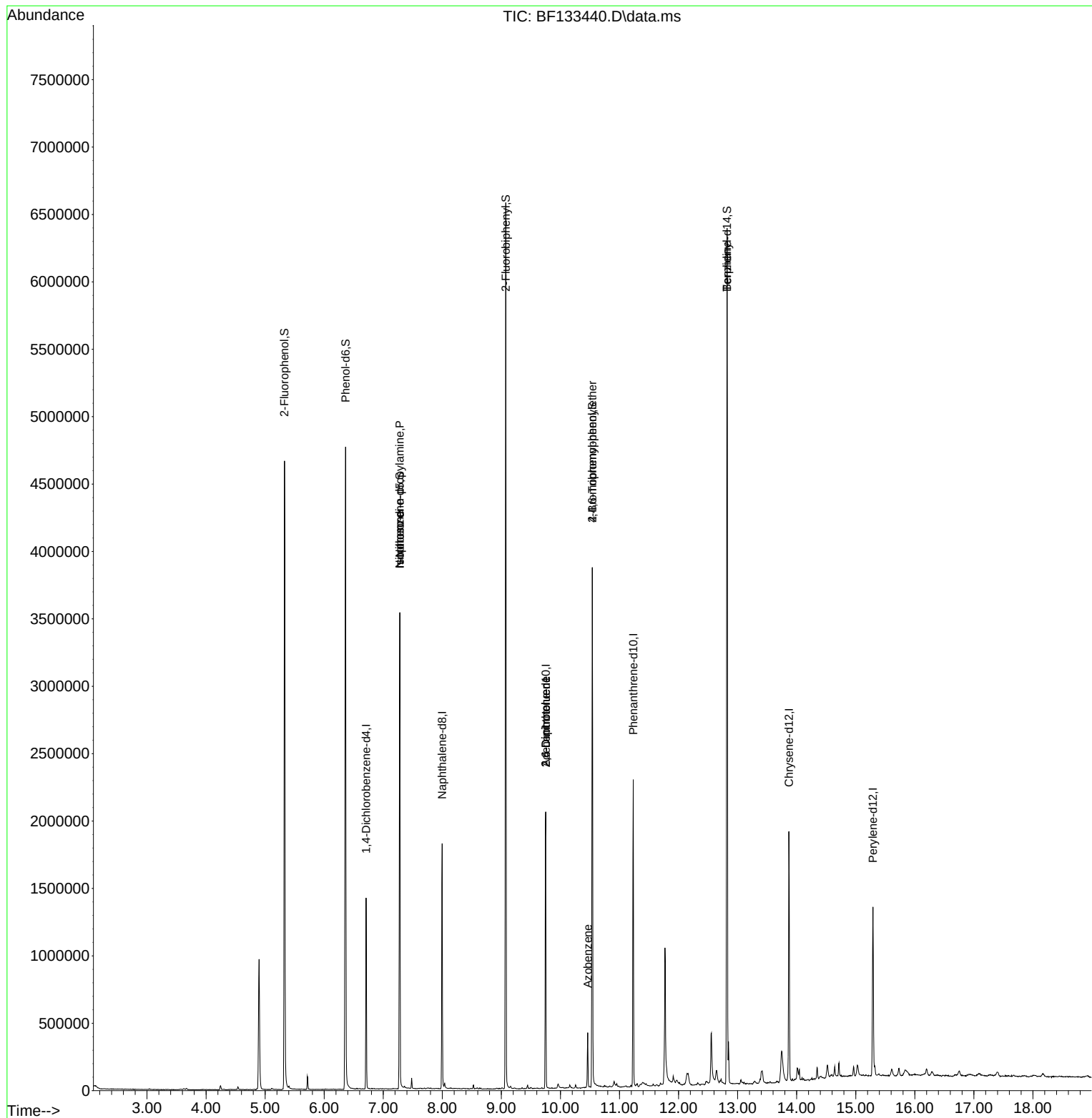
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	189987	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	785948	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	415974	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	775678	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	585285	20.000	ng	-0.02
86) Perylene-d12	15.292	264	532072	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1454677	115.663	ng	0.00
7) Phenol-d6	6.363	99	1735570	111.180	ng	0.00
23) Nitrobenzene-d5	7.281	82	1062751	72.987	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	490430	117.232	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1944376	78.201	ng	-0.01
79) Terphenyl-d14	12.821	244	2416149	71.197	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.263	77	557	Below Cal	#	59
19) n-Nitroso-di-n-propyla...	7.281	70	139182	14.322	ng	# 75
25) Isophorone	7.281	82	1062740	38.441	ng	# 63
51) 2,6-Dinitrotoluene	9.751	165	53848	8.248	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	53848	6.468	ng	# 24
63) Azobenzene	10.463	77	63273	2.180	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	30430	3.617	ng	# 1
77) Benzidine	12.821	184	27963	2.825	ng	# 91

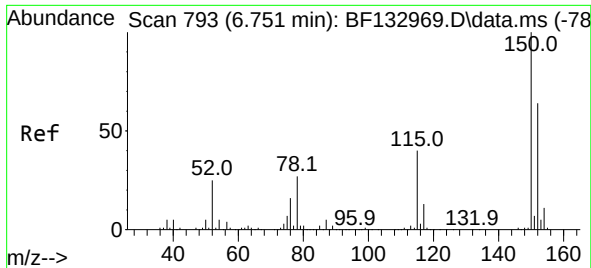
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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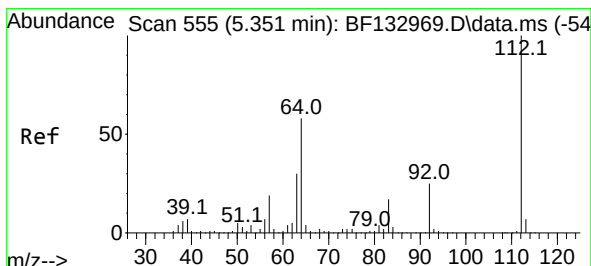
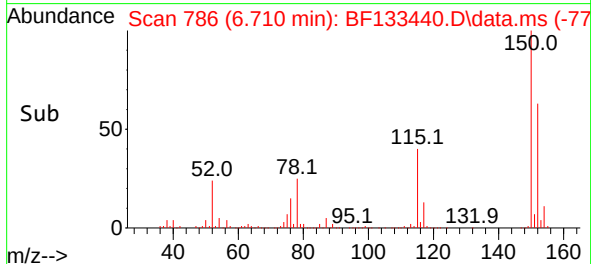
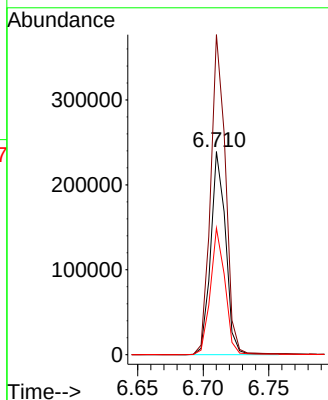
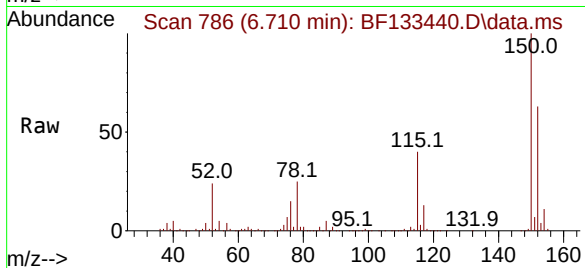




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.012 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

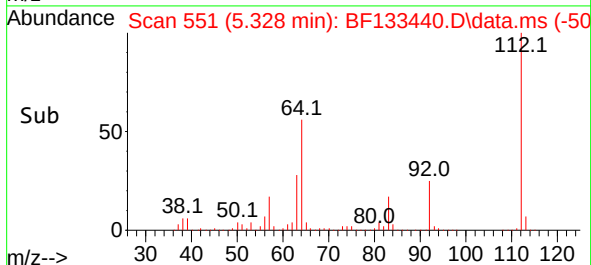
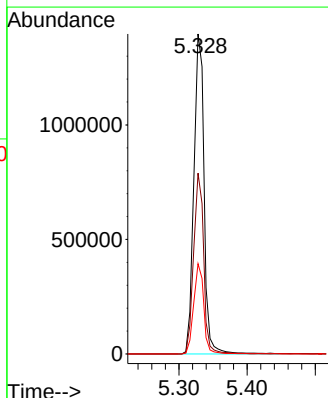
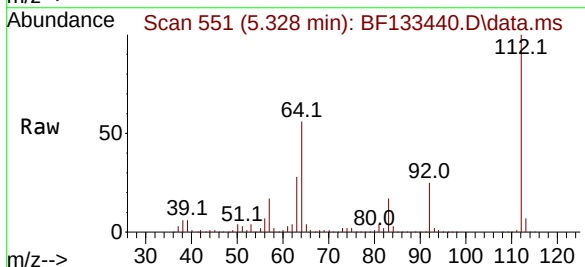
Instrument :
BNA_F
ClientSampleId :
SB-3

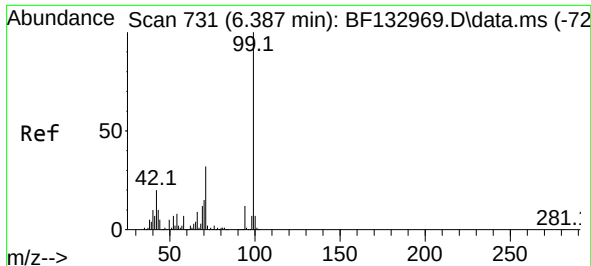
Tgt Ion:152 Resp: 189987
Ion Ratio Lower Upper
152 100
150 157.6 124.8 187.2
115 62.3 49.9 74.9



#5
2-Fluorophenol
Concen: 115.663 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

Tgt Ion:112 Resp: 1454677
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 28.2 23.8 35.8

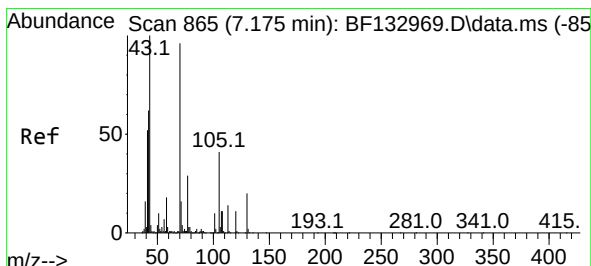
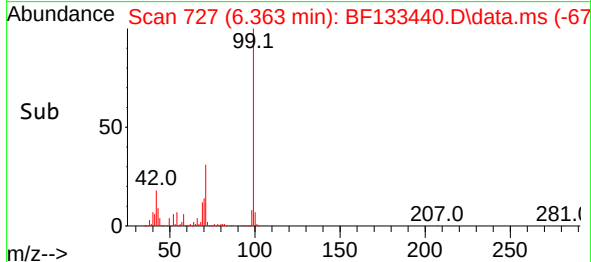
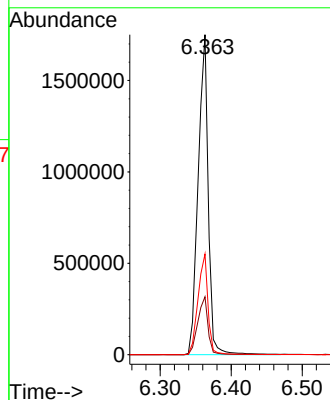
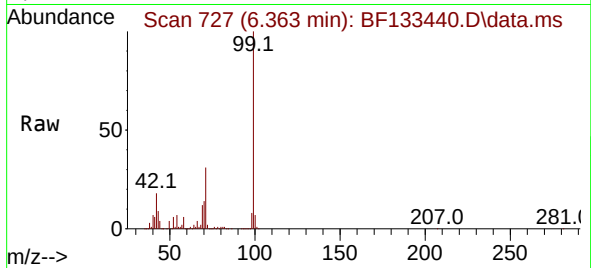




#7
Phenol-d6
Concen: 111.180 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

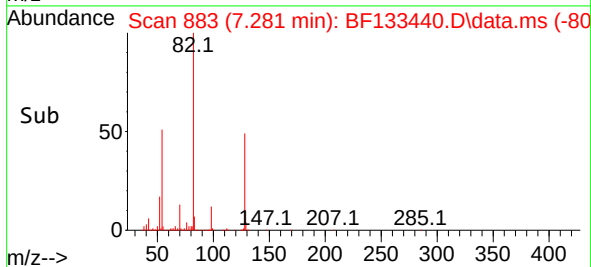
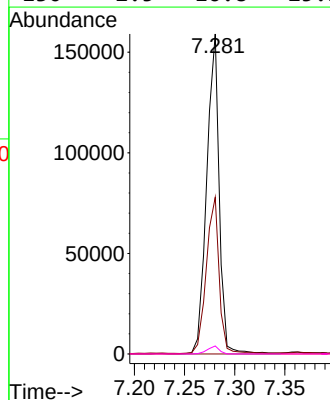
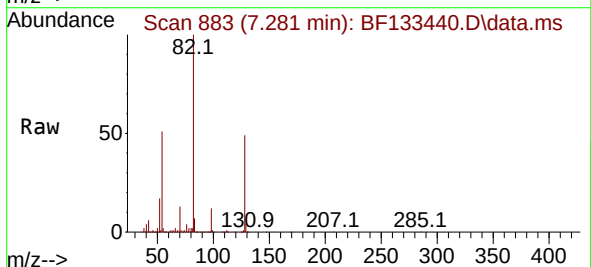
Instrument :
BNA_F
ClientSampleId :
SB-3

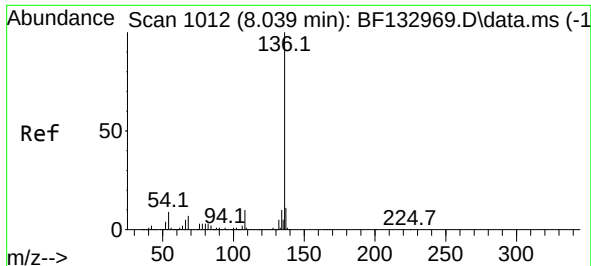
Tgt Ion: 99 Resp: 1735570
Ion Ratio Lower Upper
99 100
42 18.1 16.3 24.5
71 31.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.322 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

Tgt Ion: 70 Resp: 139182
Ion Ratio Lower Upper
70 100
42 49.0 51.8 77.6#
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#

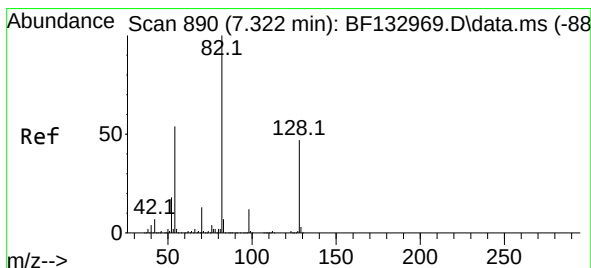
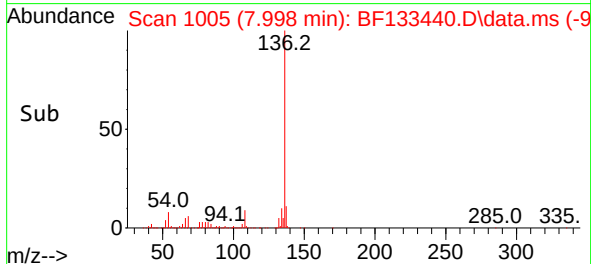
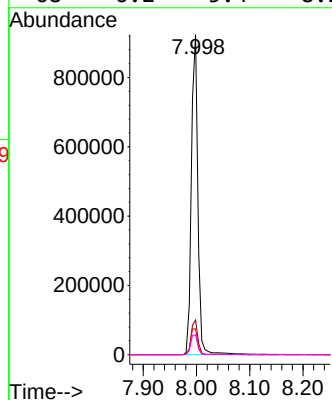
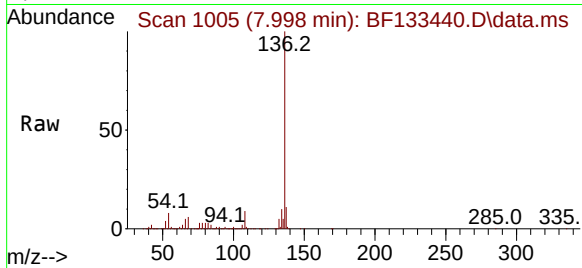




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

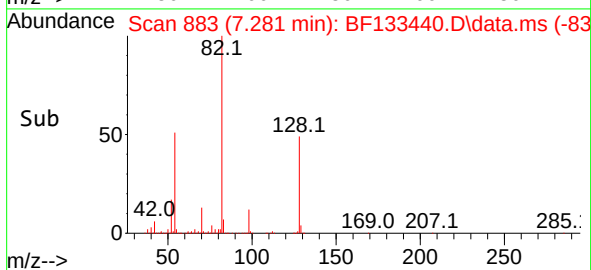
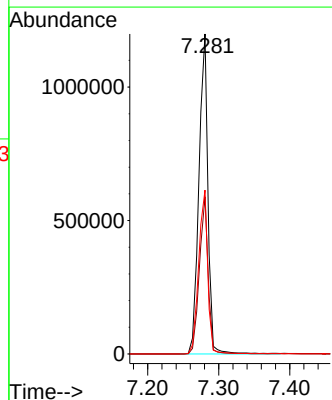
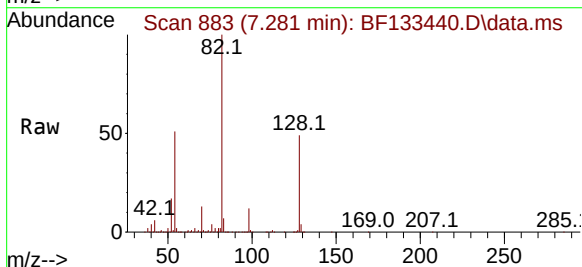
Instrument :
BNA_F
ClientSampleId :
SB-3

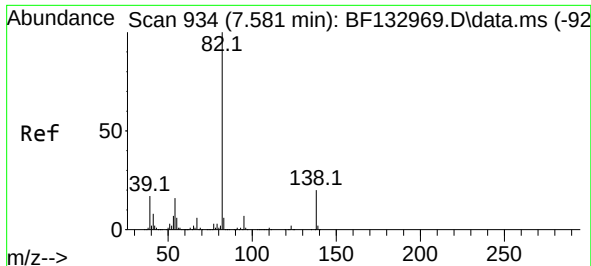
Tgt Ion:	136	Resp:	785948
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	8.1	7.0	10.4
68	6.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 72.987 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

Tgt Ion:	82	Resp:	1062751
Ion Ratio	Lower	Upper	
82	100		
128	49.1	37.7	56.5
54	51.2	43.0	64.4

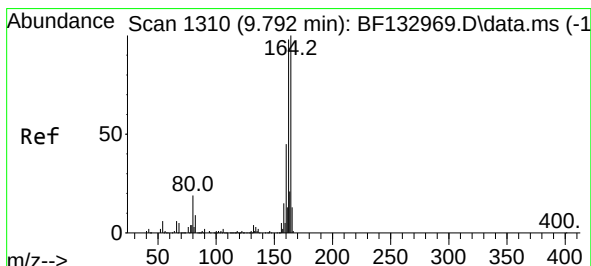
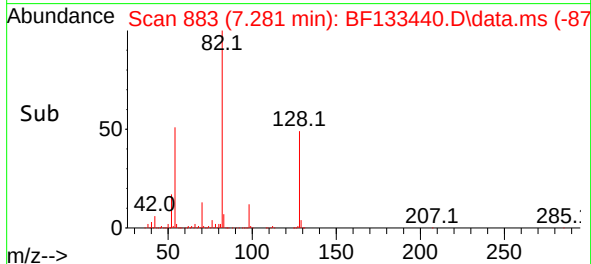
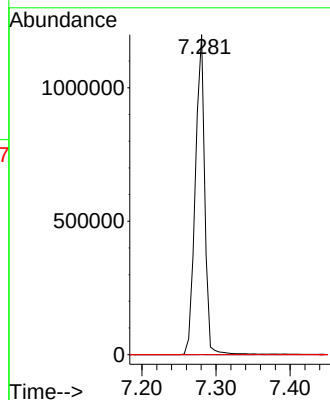
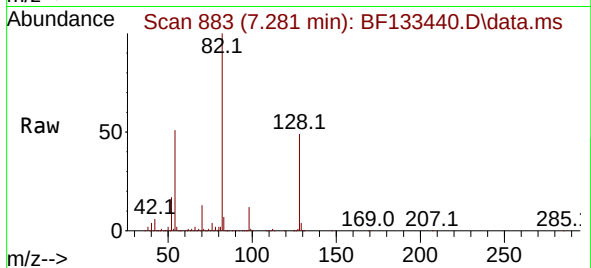




#25
Isophorone
Concen: 38.441 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

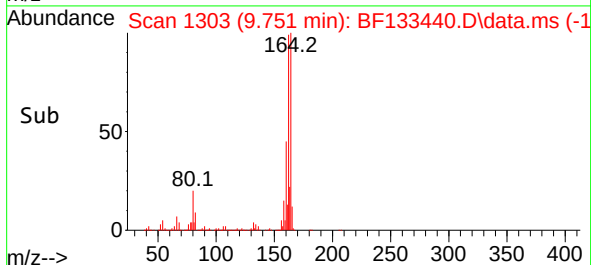
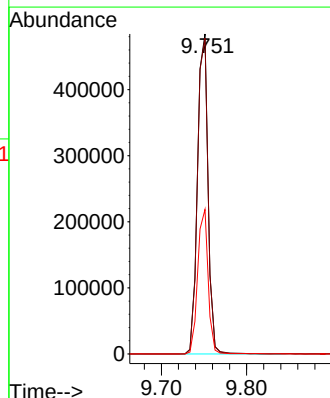
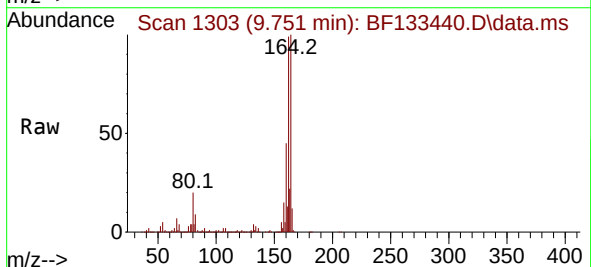
Instrument :
BNA_F
ClientSampleId :
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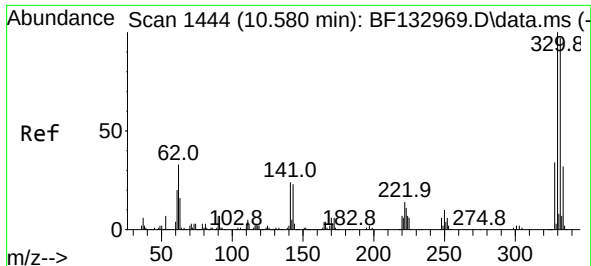
Tgt Ion: 82 Resp: 1062740
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

Tgt Ion:164 Resp: 415974
Ion Ratio Lower Upper
164 100
162 98.7 78.7 118.1
160 45.2 35.8 53.6

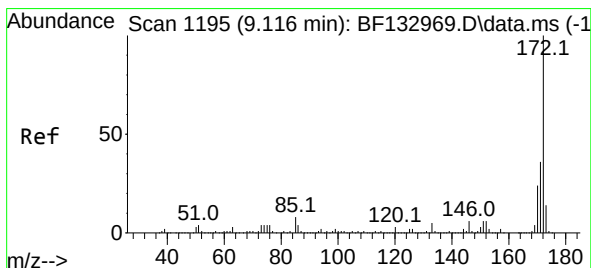
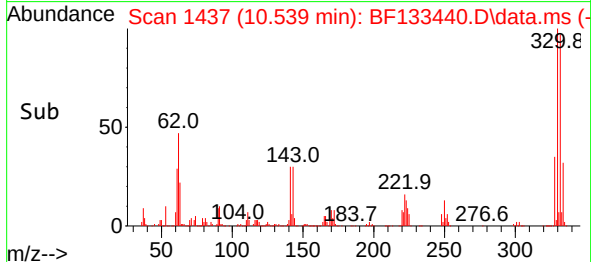
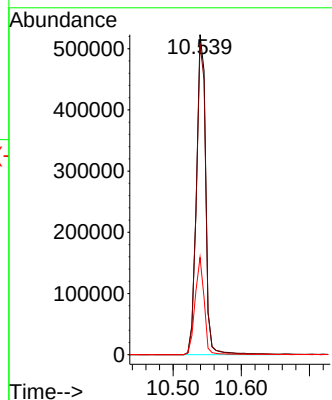
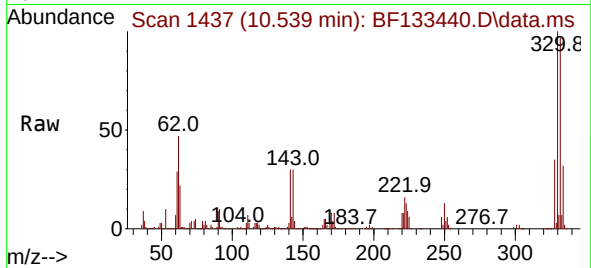




#42
2,4,6-Tribromophenol
Concen: 117.232 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

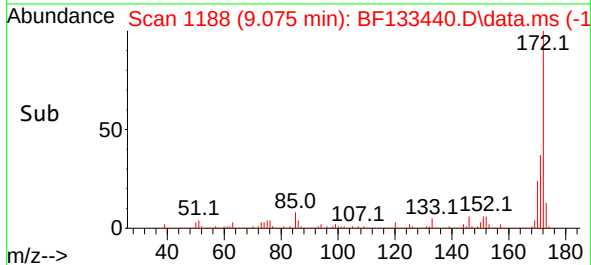
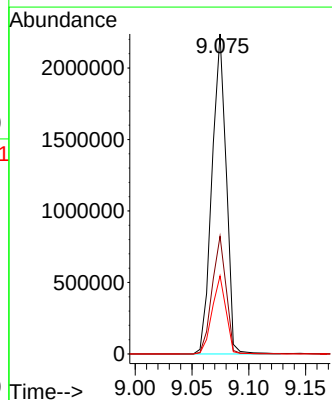
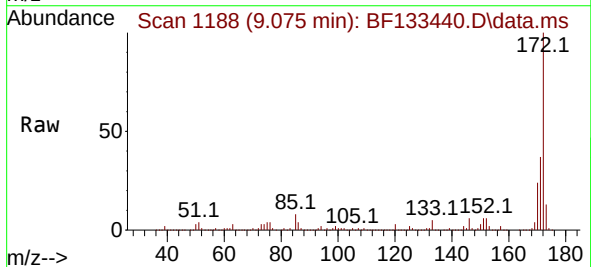
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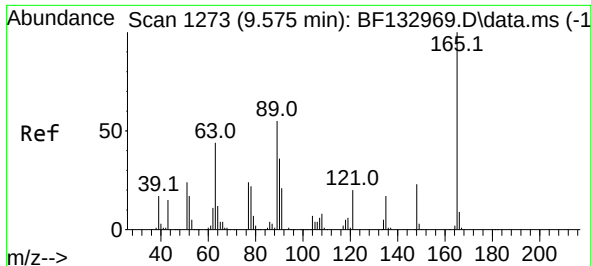
Tgt Ion:330 Resp: 490430
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 29.9 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 78.201 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

Tgt Ion:172 Resp: 1944376
Ion Ratio Lower Upper
172 100
171 36.8 28.8 43.2
170 24.4 19.4 29.2

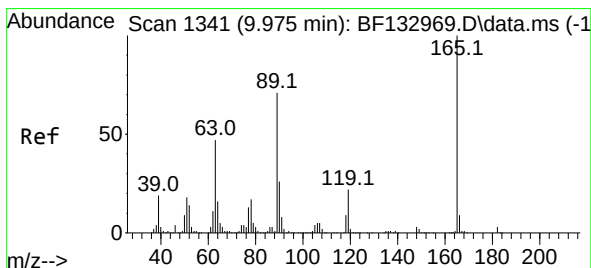
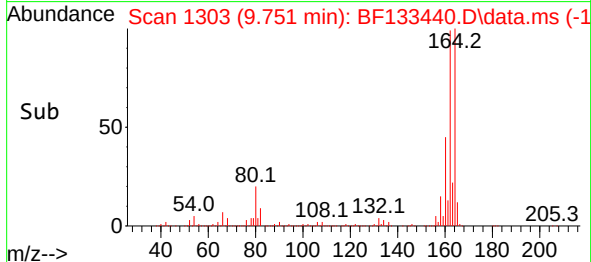
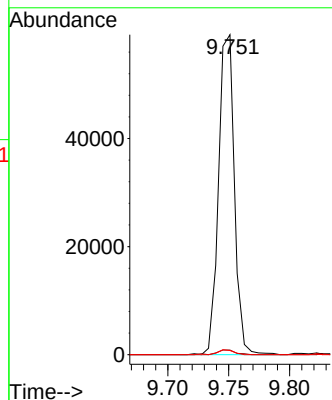
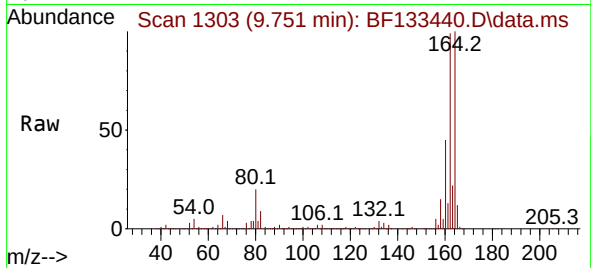




#51
2,6-Dinitrotoluene
Concen: 8.248 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

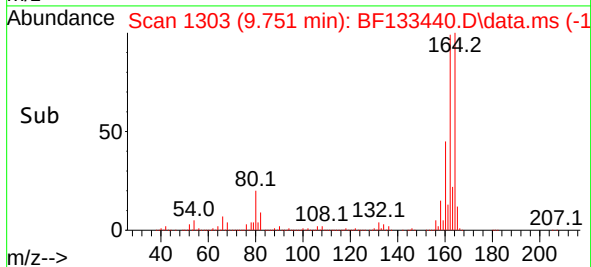
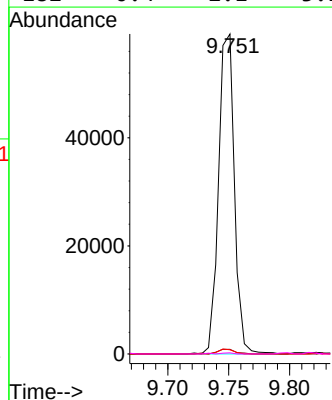
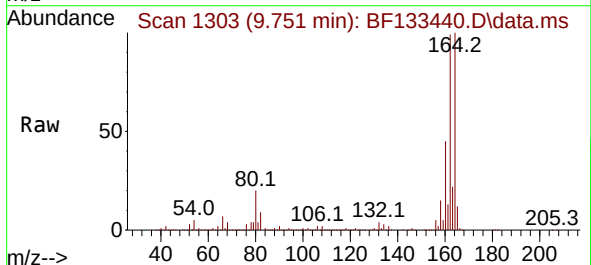
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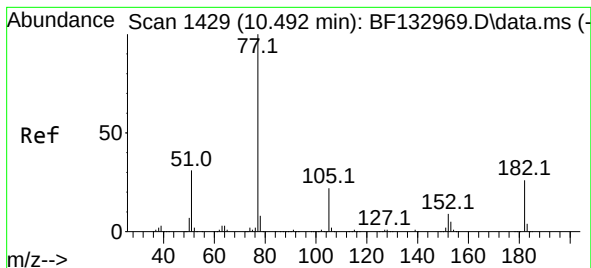
Tgt Ion:165 Resp: 53848
Ion Ratio Lower Upper
165 100
63 1.5 45.9 68.9#
89 1.3 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.468 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.206 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

Tgt Ion:165 Resp: 53848
Ion Ratio Lower Upper
165 100
63 1.5 37.7 56.5#
89 1.3 57.0 85.4#
182 0.4 2.1 3.1#





#63

Azobenzene

Concen: 2.180 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.000 min

Lab File: BF133440.D

Acq: 18 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 77 Resp: 63273

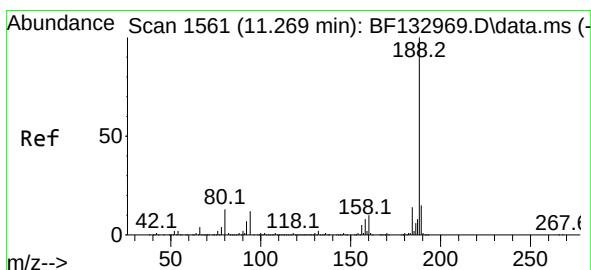
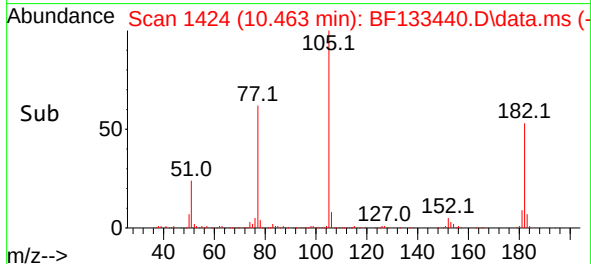
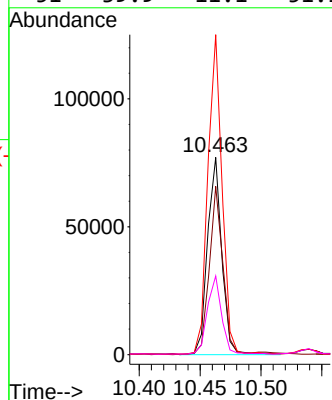
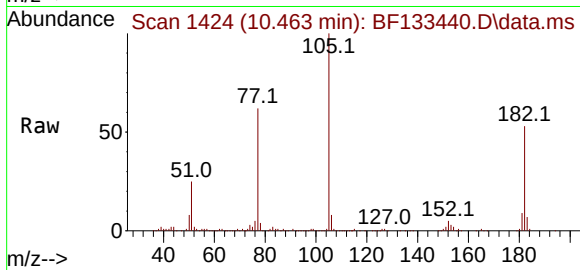
Ion Ratio Lower Upper

77 100

182 85.3 5.9 45.9#

105 162.2 2.3 42.3#

51 39.9 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.233 min Scan# 1555

Delta R.T. -0.012 min

Lab File: BF133440.D

Acq: 18 May 2023 16:07

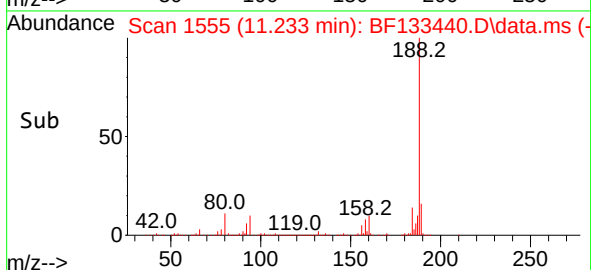
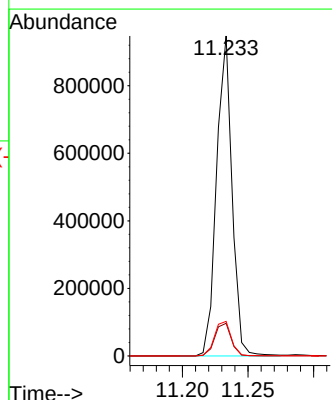
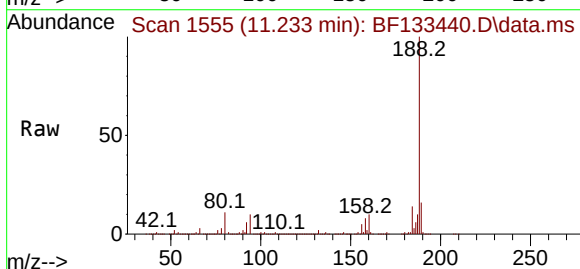
Tgt Ion: 188 Resp: 775678

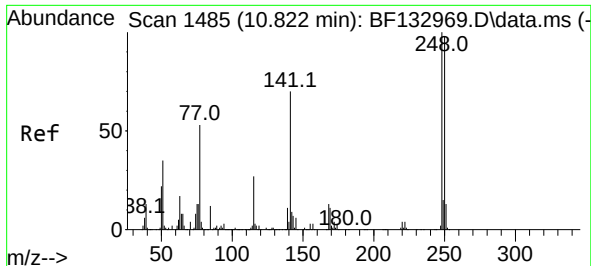
Ion Ratio Lower Upper

188 100

94 10.2 9.7 14.5

80 10.8 10.4 15.6

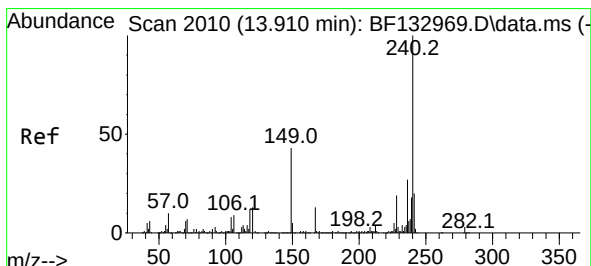
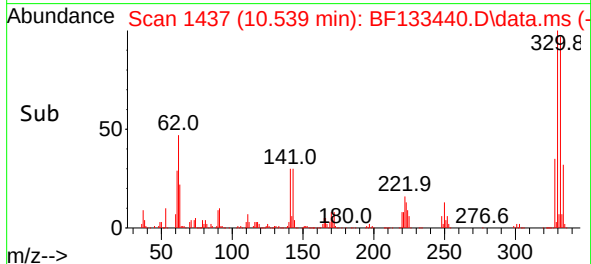
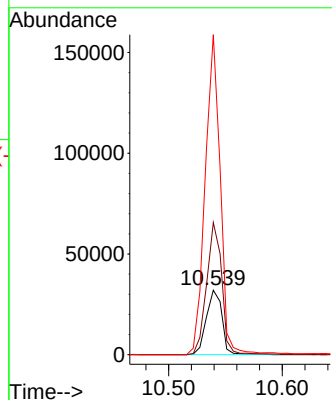
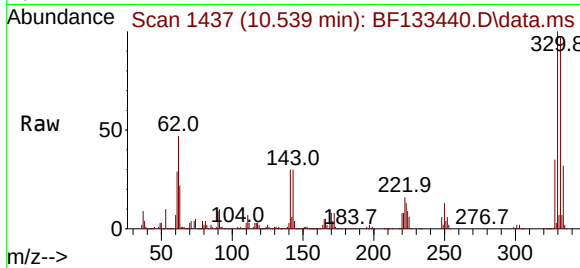




#67
4-Bromophenyl-phenylether
Concen: 3.617 ng
RT: 10.539 min Scan# 1485
Delta R.T. -0.253 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

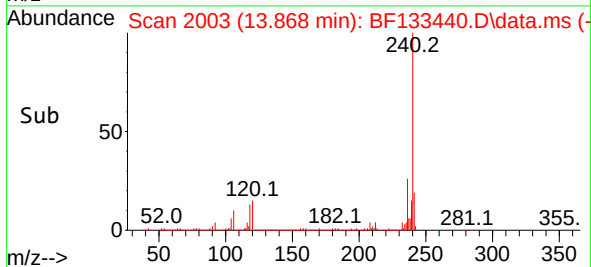
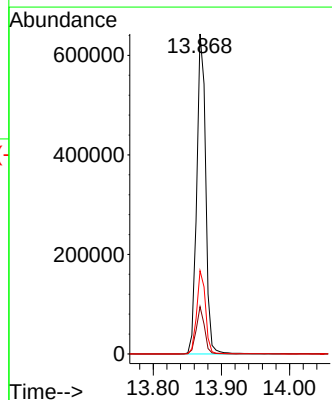
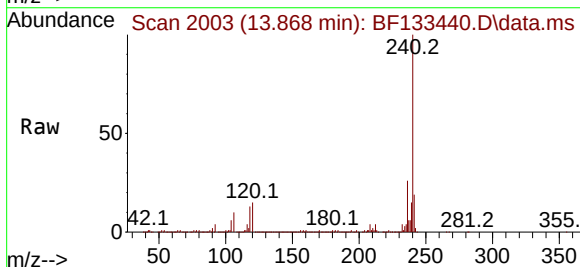
Instrument :
BNA_F
ClientSampleId :
SB-3

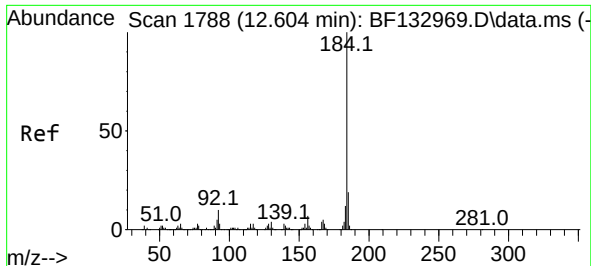
Tgt Ion:248 Resp: 30430
Ion Ratio Lower Upper
248 100
250 205.0 78.7 118.1#
141 496.5 56.3 84.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.018 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

Tgt Ion:240 Resp: 585285
Ion Ratio Lower Upper
240 100
120 14.8 10.5 15.7
236 26.0 21.5 32.3

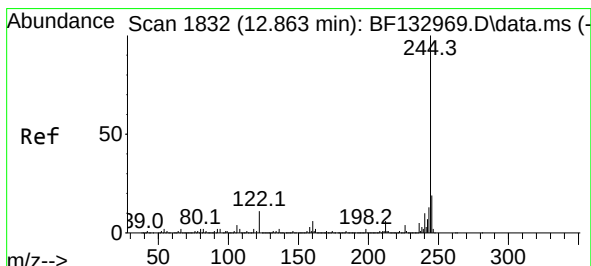
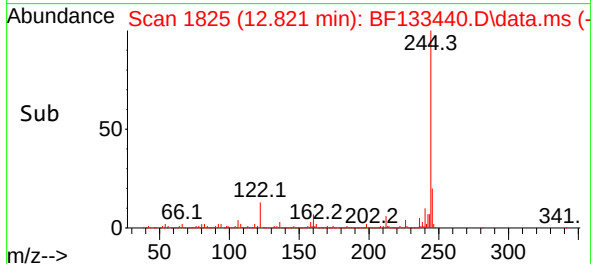
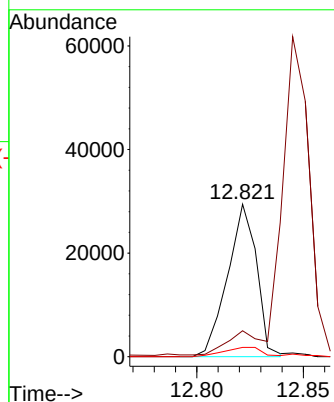
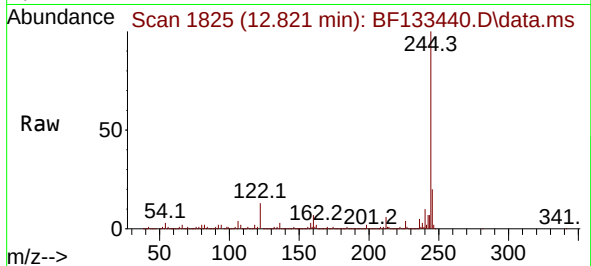




#77
Benzidine
Concen: 2.825 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.241 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

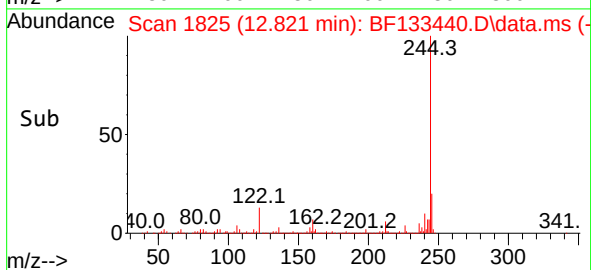
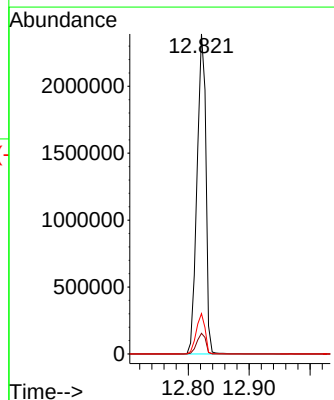
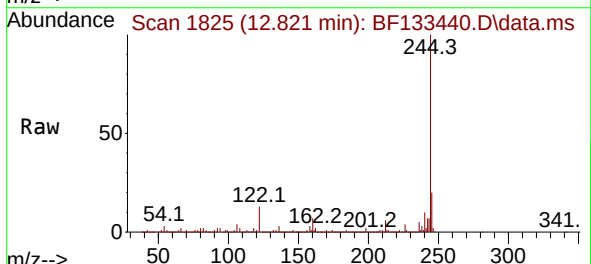
Instrument :
BNA_F
ClientSampleId :
SB-3

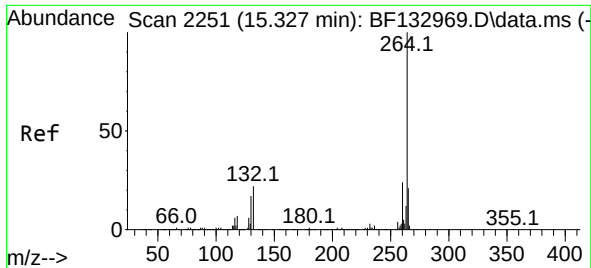
Tgt Ion:184 Resp: 27963
Ion Ratio Lower Upper
184 100
185 17.0 15.4 23.2
183 6.1 9.4 14.0#



#79
Terphenyl-d14
Concen: 71.197 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

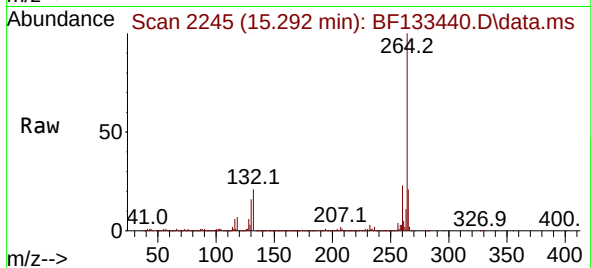
Tgt Ion:244 Resp: 2416149
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 12.6 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133440.D
Acq: 18 May 2023 16:07

Instrument :
BNA_F
ClientSampleId :
SB-3



Tgt Ion:264 Resp: 532072
Ion Ratio Lower Upper
264 100
260 22.9 18.8 28.2
265 20.8 17.0 25.4

