

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
 Data File : BF133445.D
 Acq On : 18 May 2023 18:42
 Operator : CG\JU
 Sample : 02828-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Quant Time: May 19 03:20:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 18:12:00 2023
 Response via : Initial Calibration

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

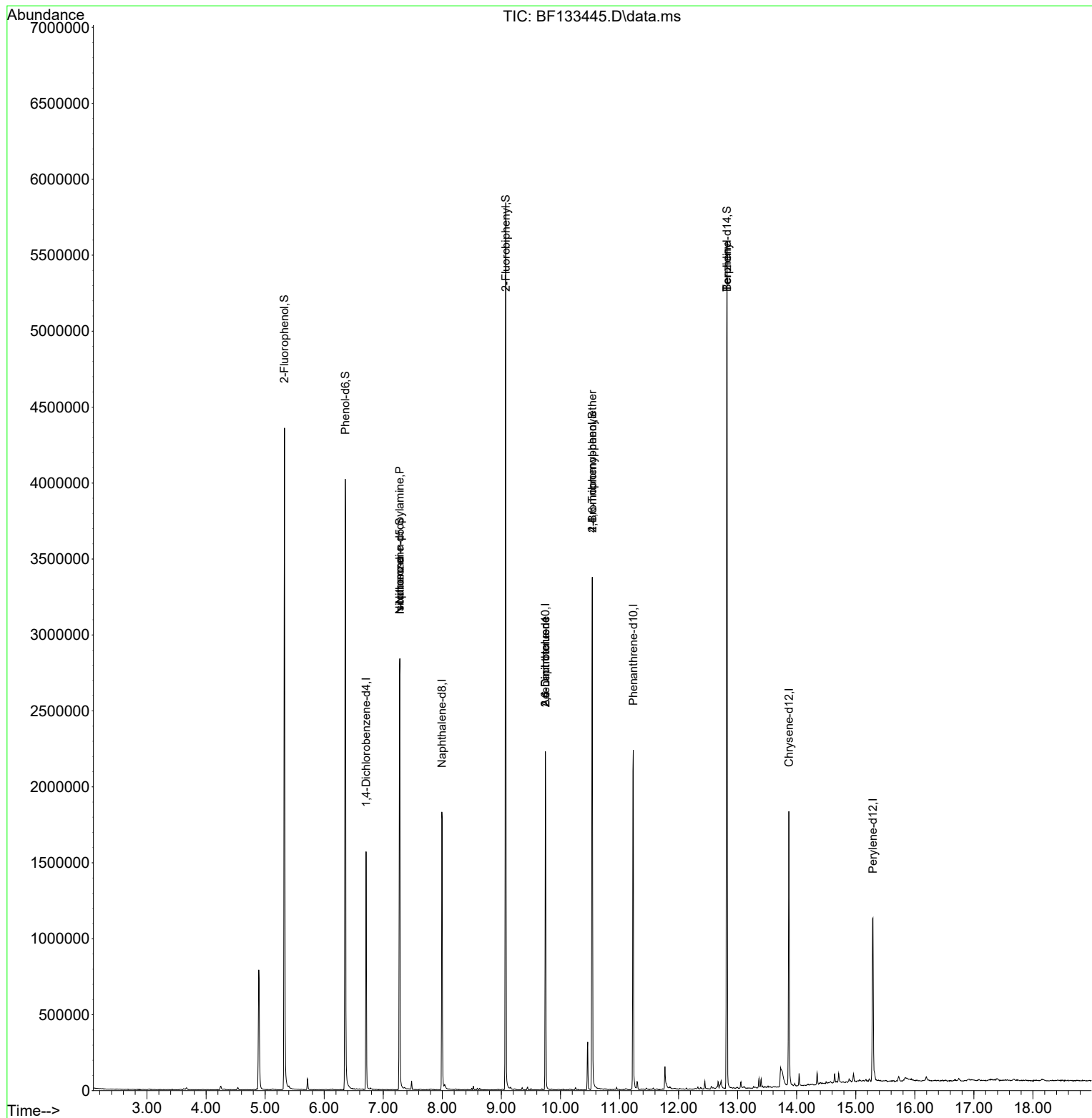
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	210185	20.000	ng	0.00
21) Naphthalene-d8	7.992	136	872410	20.000	ng	-0.01
39) Acenaphthene-d10	9.745	164	453897	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	845244	20.000	ng	# 0.00
76) Chrysene-d12	13.868	240	558834	20.000	ng	-0.01
86) Perylene-d12	15.292	264	503428	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1275700	91.685	ng	0.00
7) Phenol-d6	6.357	99	1562432	90.470	ng	-0.01
23) Nitrobenzene-d5	7.281	82	934974	57.848	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	420291	92.072	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	1723314	63.519	ng	0.00
79) Terphenyl-d14	12.821	244	2046351	63.154	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.251	77	74	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.281	70	122747	11.417	ng	# 74
25) Isophorone	7.281	82	934968	30.468	ng	# 63
51) 2,6-Dinitrotoluene	9.745	165	59119	8.299	ng	# 24
57) 2,4-Dinitrotoluene	9.745	165	59121	6.508	ng	# 23
67) 4-Bromophenyl-phenylether	10.539	248	26399	2.880	ng	# 1
77) Benzydine	12.821	184	23216	2.457	ng	# 95

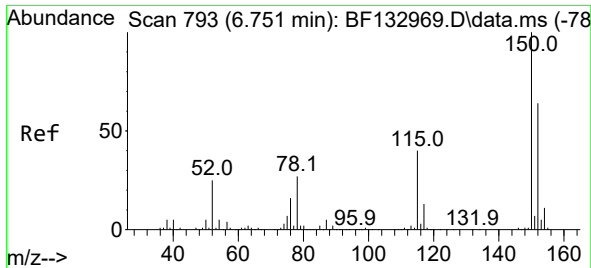
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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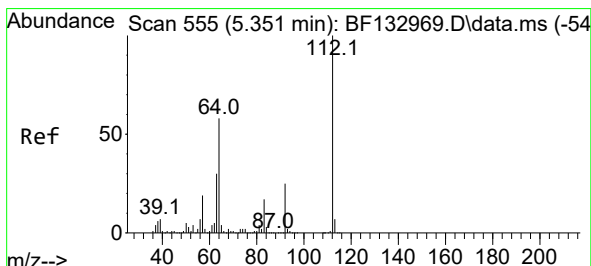
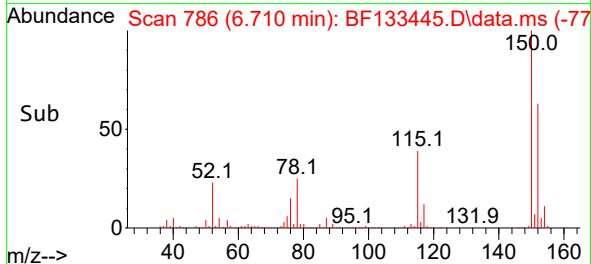
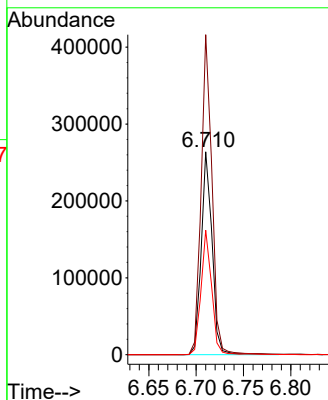
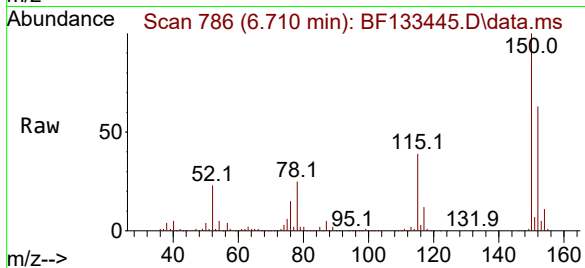




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

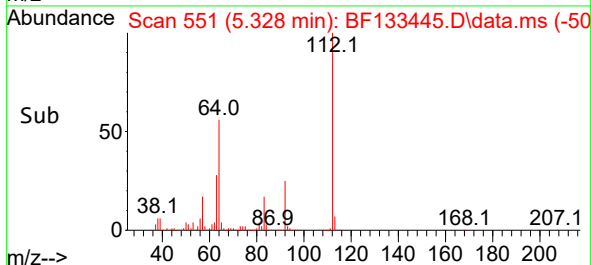
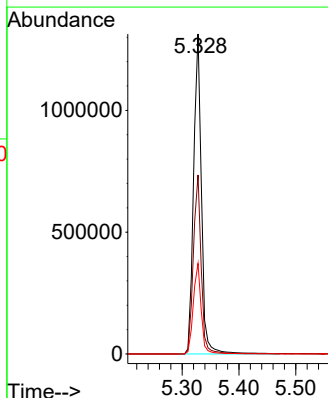
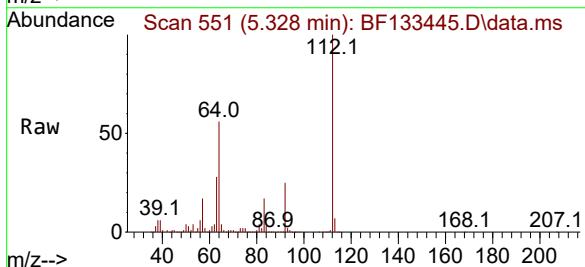
Instrument :
BNA_F
ClientSampleId :
SB-1

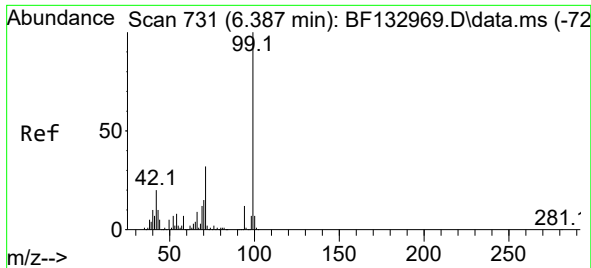
Tgt Ion:152 Resp: 210185
Ion Ratio Lower Upper
152 100
150 157.7 124.8 187.2
115 61.3 49.9 74.9



#5
2-Fluorophenol
Concen: 91.685 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

Tgt Ion:112 Resp: 1275700
Ion Ratio Lower Upper
112 100
64 56.0 46.8 70.2
63 28.3 23.8 35.8

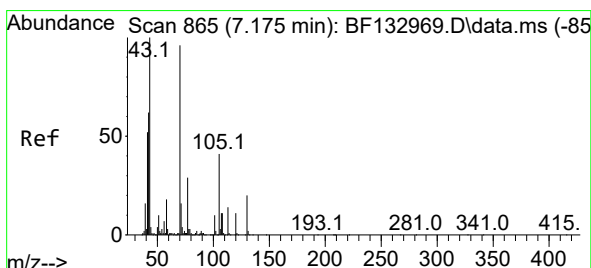
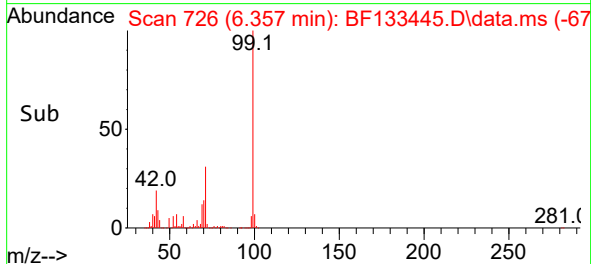
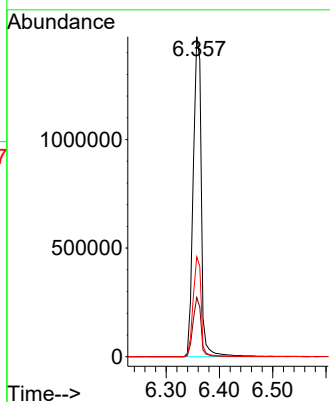
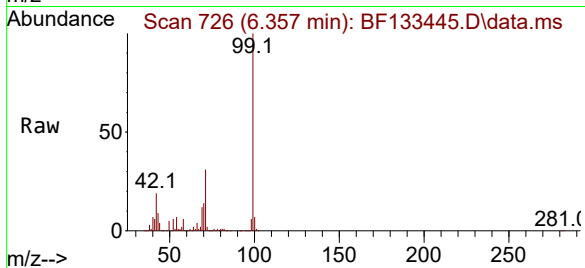




#7
Phenol-d6
Concen: 90.470 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

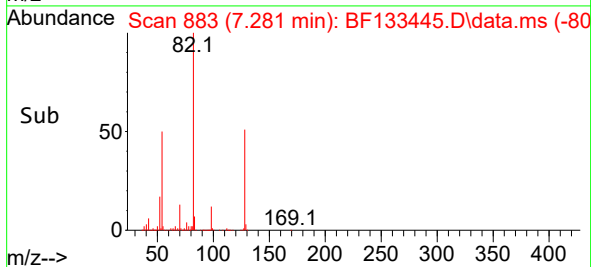
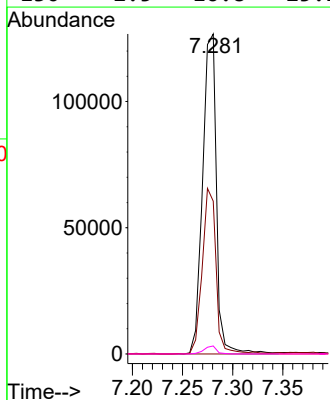
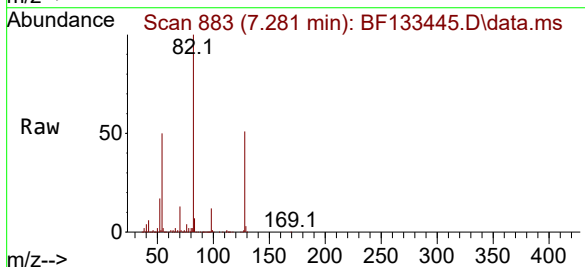
Instrument :
BNA_F
ClientSampleId :
SB-1

Tgt Ion: 99 Resp: 1562432
Ion Ratio Lower Upper
99 100
42 18.5 16.3 24.5
71 31.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.417 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

Tgt Ion: 70 Resp: 122747
Ion Ratio Lower Upper
70 100
42 47.8 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: 7.992 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133445.D

Acq: 18 May 2023 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1

Tgt Ion:136 Resp: 872410

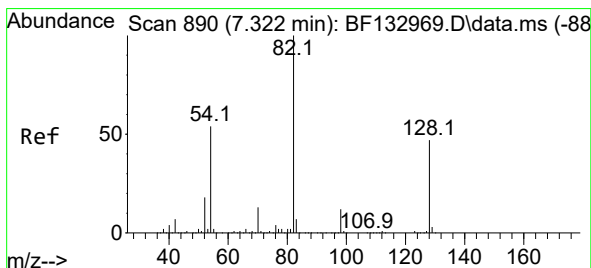
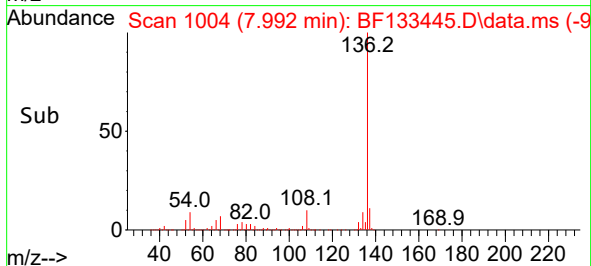
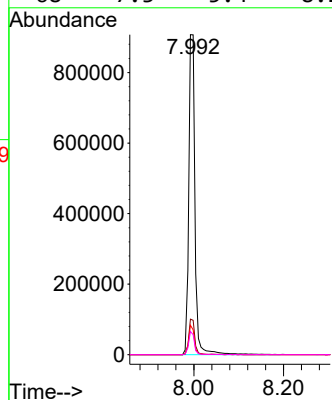
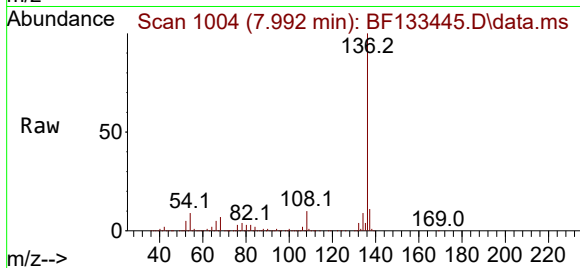
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 9.2 7.0 10.4

68 7.3 5.4 8.2



#23

Nitrobenzene-d5

Concen: 57.848 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF133445.D

Acq: 18 May 2023 18:42

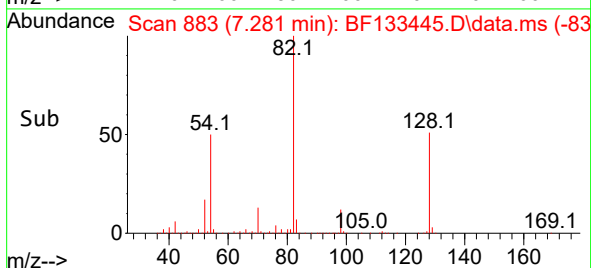
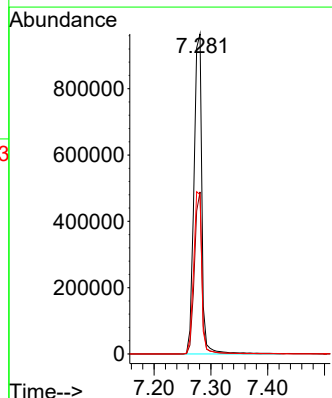
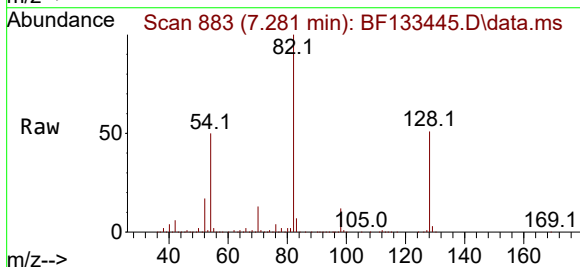
Tgt Ion: 82 Resp: 934974

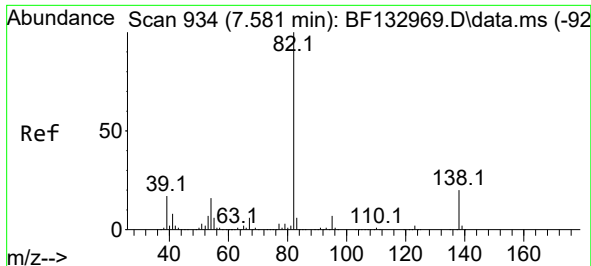
Ion Ratio Lower Upper

82 100

128 50.7 37.7 56.5

54 49.8 43.0 64.4

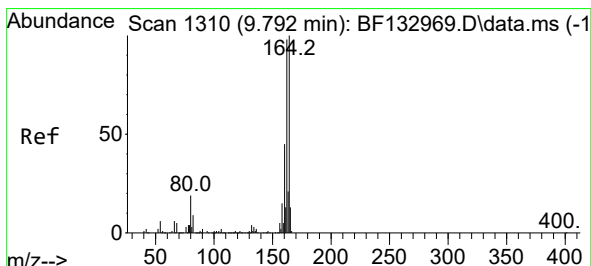
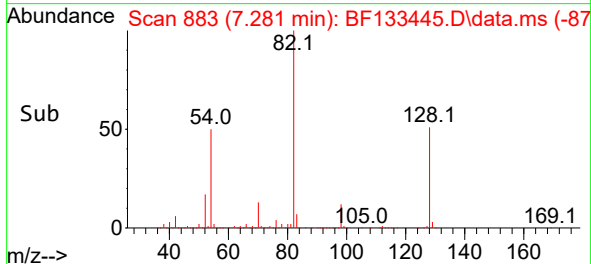
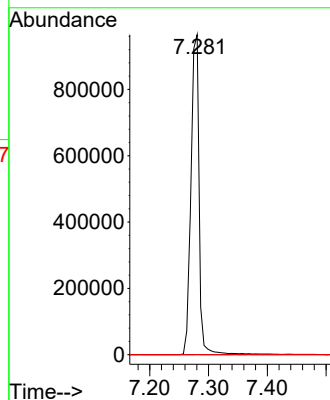
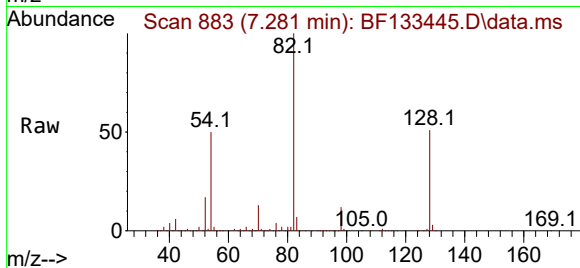




#25
Isophorone
Concen: 30.468 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

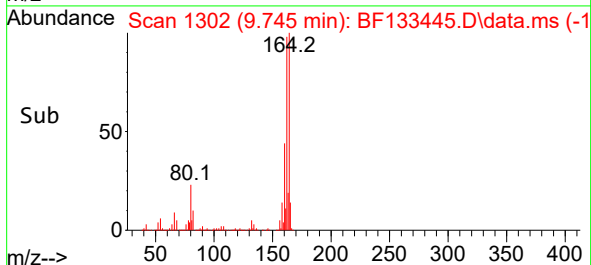
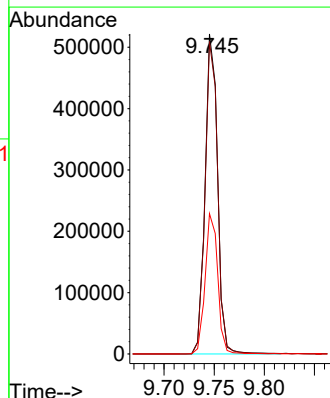
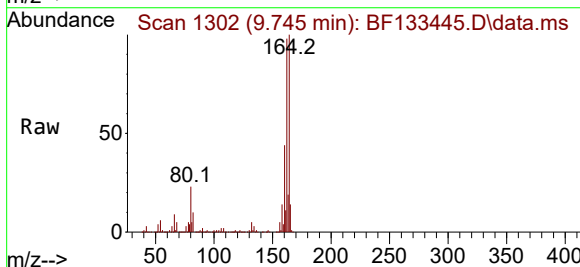
Instrument :
BNA_F
ClientSampleId :
SB-1

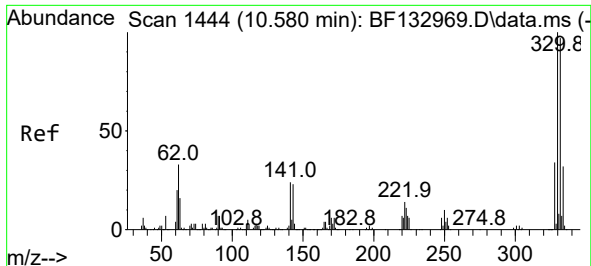
Tgt Ion: 82 Resp: 934968
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.012 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

Tgt Ion:164 Resp: 453897
Ion Ratio Lower Upper
164 100
162 97.6 78.7 118.1
160 43.8 35.8 53.6

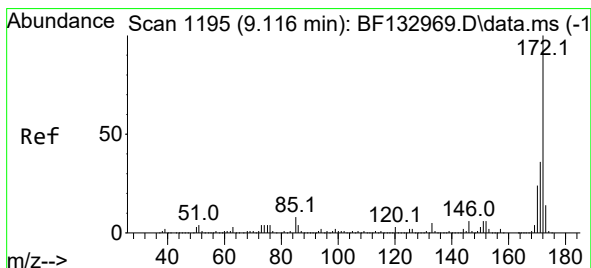
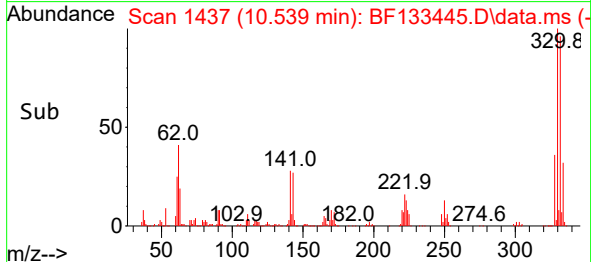
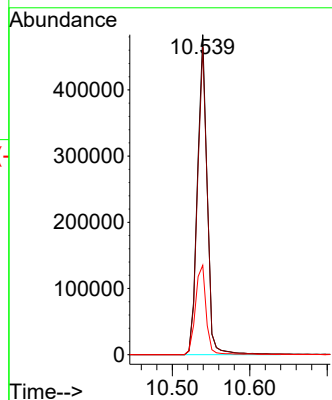
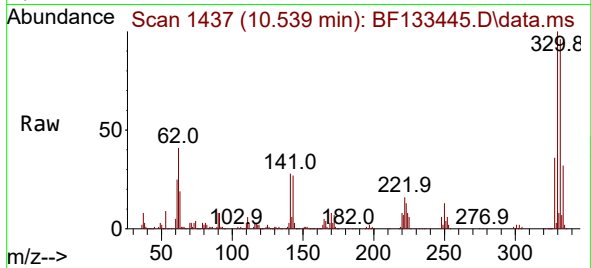




#42
2,4,6-Tribromophenol
Concen: 92.072 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

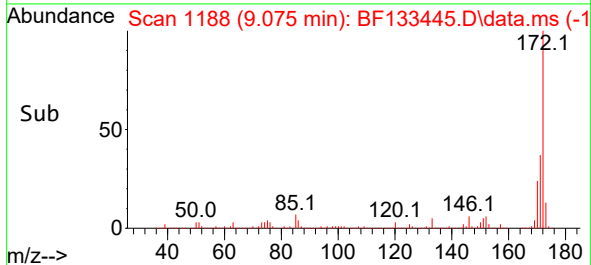
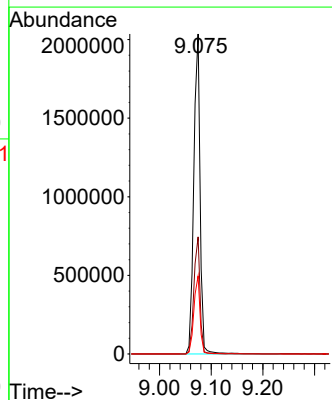
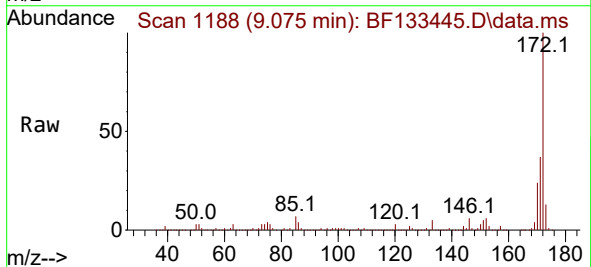
Instrument :
BNA_F
ClientSampleId :
SB-1

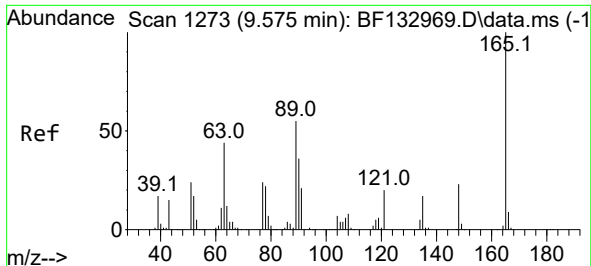
Tgt Ion:330 Resp: 420291
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 30.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 63.519 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

Tgt Ion:172 Resp: 1723314
Ion Ratio Lower Upper
172 100
171 36.6 28.8 43.2
170 24.4 19.4 29.2

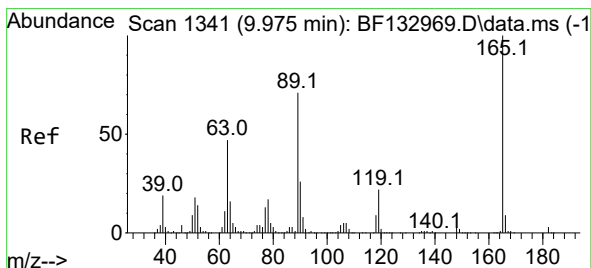
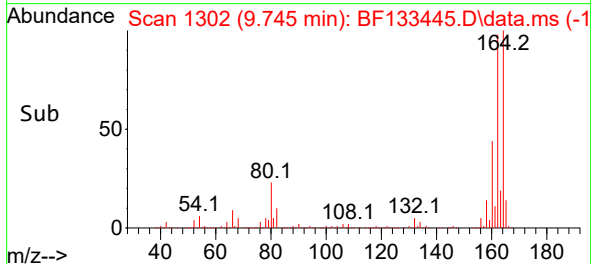
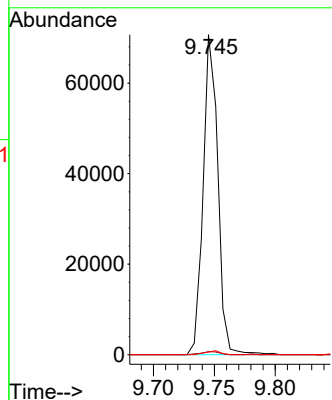
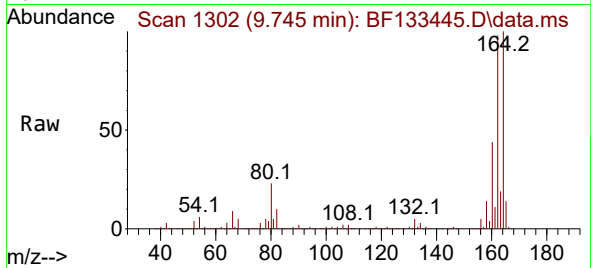




#51
2,6-Dinitrotoluene
Concen: 8.299 ng
RT: 9.745 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

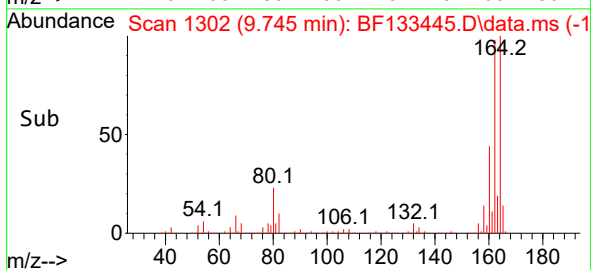
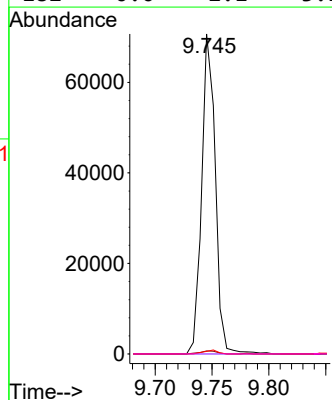
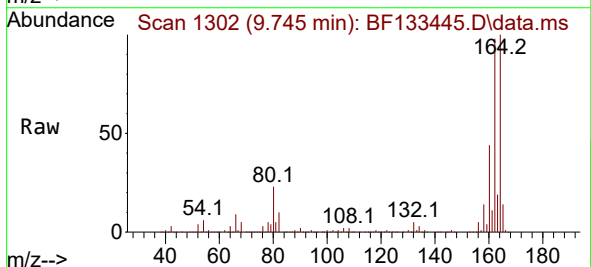
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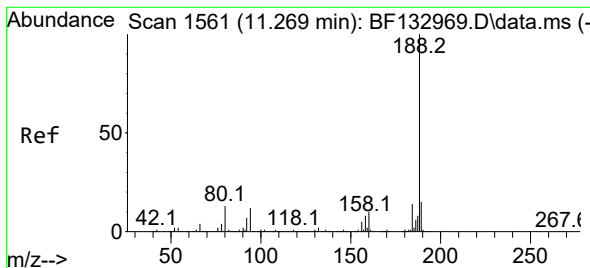
Tgt Ion:165 Resp: 59119
Ion Ratio Lower Upper
165 100
63 0.9 45.9 68.9#
89 0.8 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.508 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.206 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

Tgt Ion:165 Resp: 59121
Ion Ratio Lower Upper
165 100
63 0.9 37.7 56.5#
89 0.8 57.0 85.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133445.D

Acq: 18 May 2023 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1

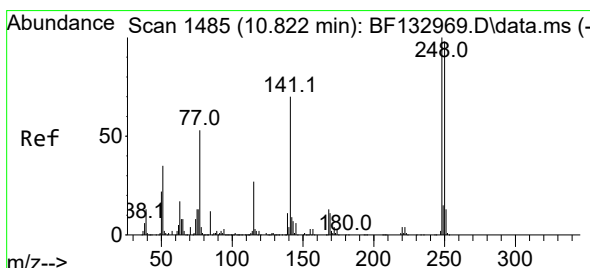
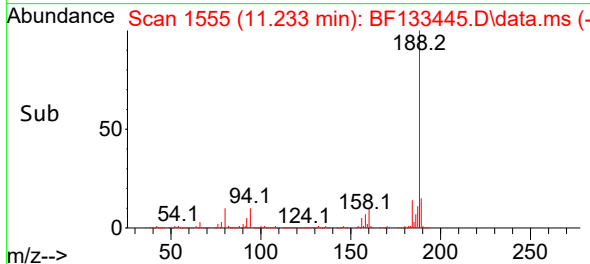
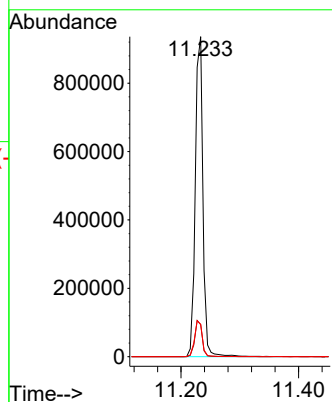
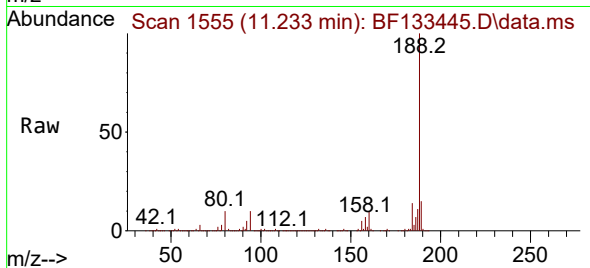
Tgt Ion:188 Resp: 845244

Ion Ratio Lower Upper

188 100

94 10.0 9.7 14.5

80 10.1 10.4 15.6#



#67

4-Bromophenyl-phenylether

Concen: 2.880 ng

RT: 10.539 min Scan# 1437

Delta R.T. -0.247 min

Lab File: BF133445.D

Acq: 18 May 2023 18:42

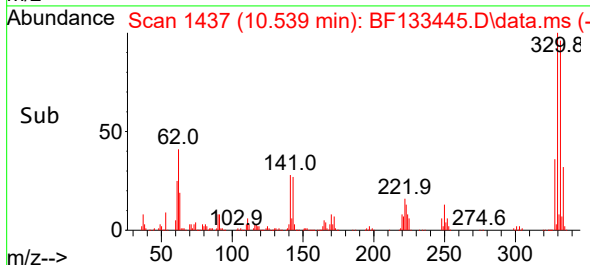
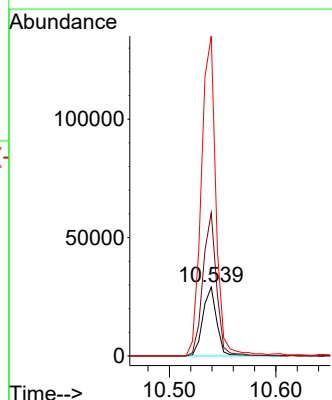
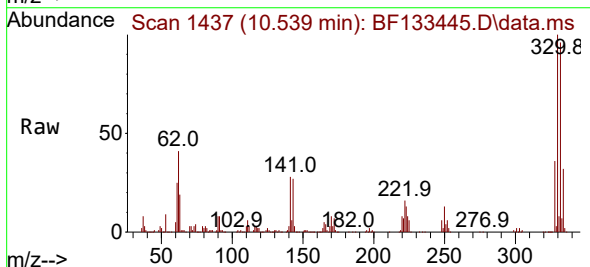
Tgt Ion:248 Resp: 26399

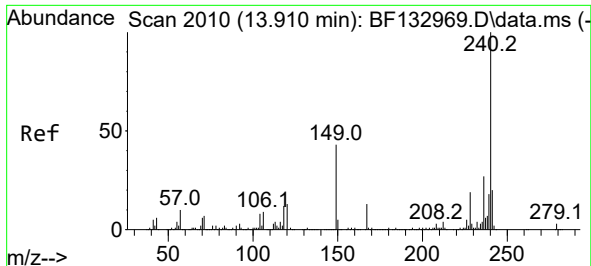
Ion Ratio Lower Upper

248 100

250 208.2 78.7 118.1#

141 465.4 56.3 84.5#

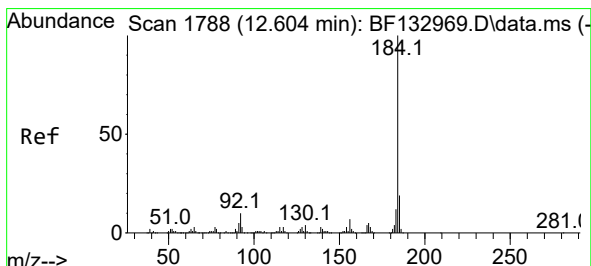
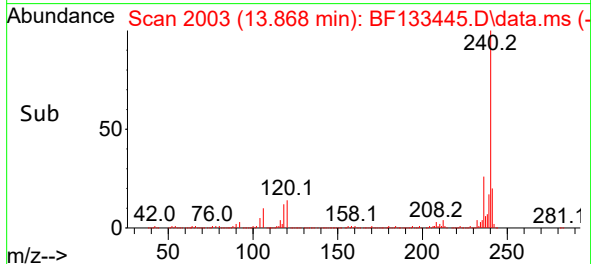
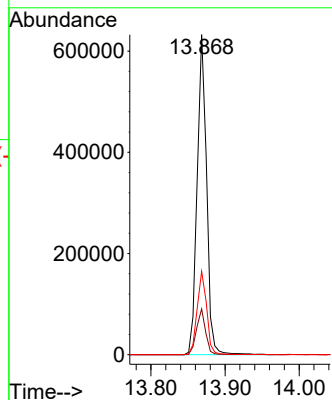
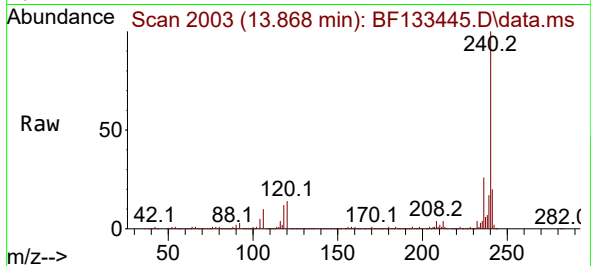




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

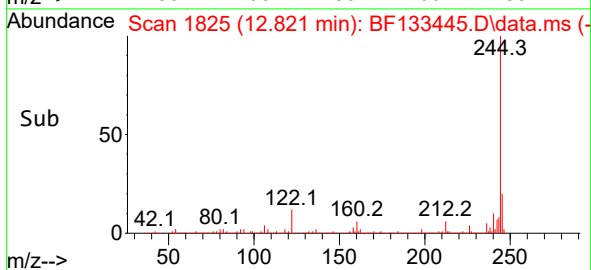
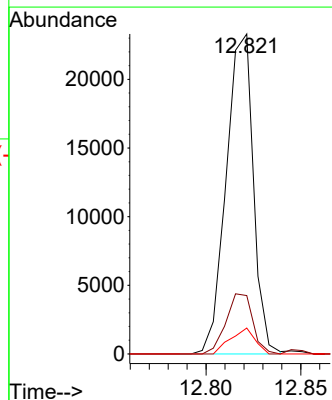
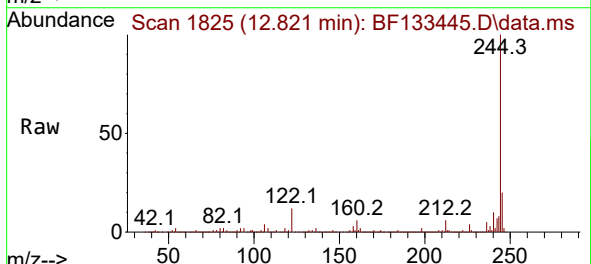
Instrument :
BNA_F
ClientSampleId :
SB-1

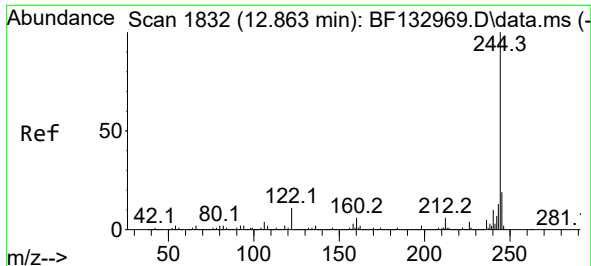
Tgt Ion:240 Resp: 558834
Ion Ratio Lower Upper
240 100
120 14.3 10.5 15.7
236 26.0 21.5 32.3



#77
Benzidine
Concen: 2.457 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.247 min
Lab File: BF133445.D
Acq: 18 May 2023 18:42

Tgt Ion:184 Resp: 23216
Ion Ratio Lower Upper
184 100
185 18.3 15.4 23.2
183 8.1 9.4 14.0#

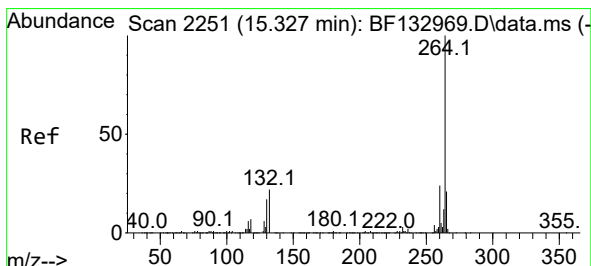
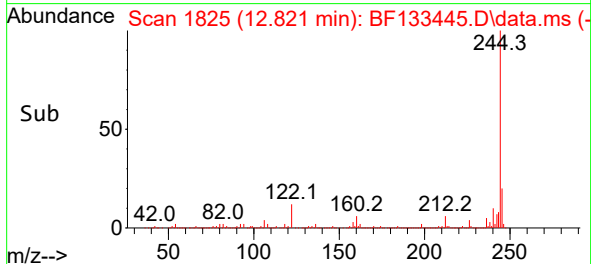
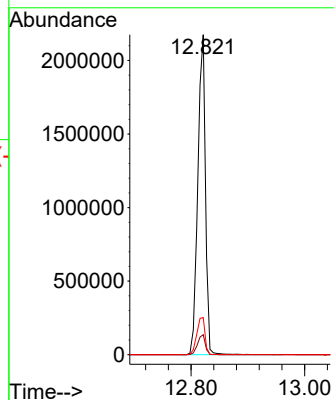
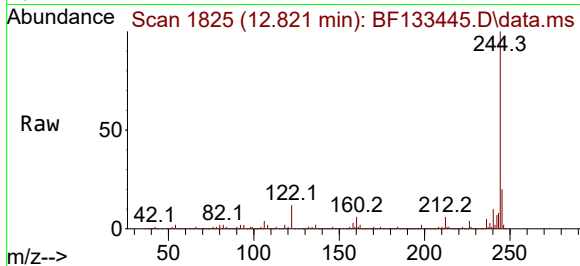




#79
 Terphenyl-d14
 Concen: 63.154 ng
 RT: 12.821 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: BF133445.D
 Acq: 18 May 2023 18:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Tgt Ion:244 Resp: 2046351
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.6 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2245
 Delta R.T. -0.006 min
 Lab File: BF133445.D
 Acq: 18 May 2023 18:42

Tgt Ion:264 Resp: 503428
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.8 28.2
 265 22.5 17.0 25.4

