

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133241.D
 Acq On : 04 May 2023 20:36
 Operator : CG\JU
 Sample : 02607-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HT-1

Quant Time: May 05 05:32:23 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 04 12:22:53 2023
 Response via : Initial Calibration

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

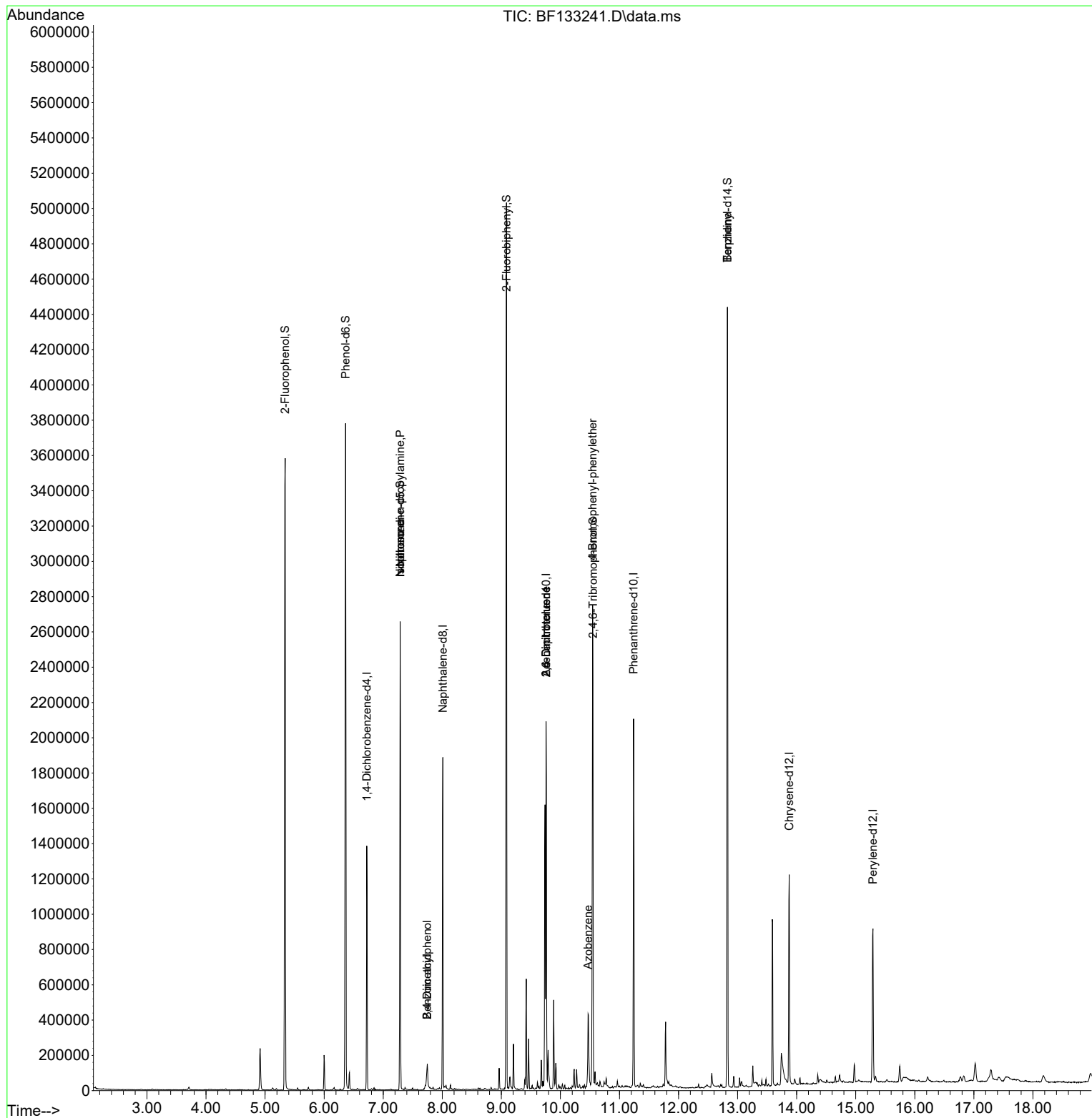
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	185052	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	757691	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	403164	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	724493	20.000	ng	0.00
76) Chrysene-d12	13.874	240	367988	20.000	ng	-0.01
86) Perylene-d12	15.292	264	379358	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1081250	88.264	ng	0.00
7) Phenol-d6	6.363	99	1317634	86.658	ng	-0.01
23) Nitrobenzene-d5	7.287	82	799263	56.938	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	328445	81.006	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1425289	59.145	ng	0.00
79) Terphenyl-d14	12.827	244	1505081	70.539	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	1217	Below Cal		97
19) n-Nitroso-di-n-propyla...	7.287	70	105551	11.151 ng	#	78
25) Isophorone	7.287	82	797634	29.928 ng	#	63
27) 2,4-Dimethylphenol	7.745	122	42555	3.617 ng	#	6
32) Benzoic acid	7.745	122	42555	5.856 ng		93
51) 2,6-Dinitrotoluene	9.757	165	52404	8.282 ng	#	25
57) 2,4-Dinitrotoluene	9.757	165	52404	6.494 ng	#	23
63) Azobenzene	10.469	77	70920	2.521 ng	#	1
67) 4-Bromophenyl-phenylether	10.545	248	21457	2.731 ng	#	1
77) Benzidine	12.827	184	18413	2.959 ng	#	94

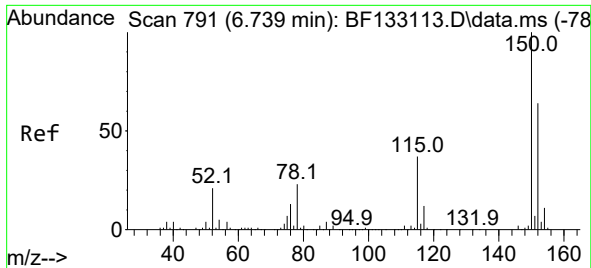
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 05 05:32:23 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 04 12:22:53 2023
Response via : Initial Calibration

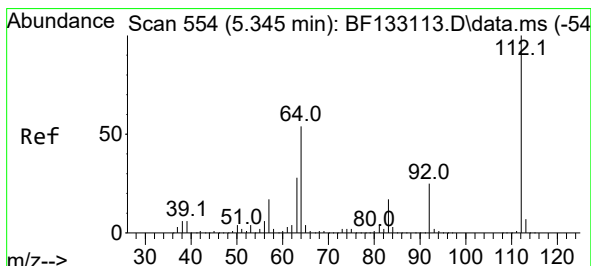
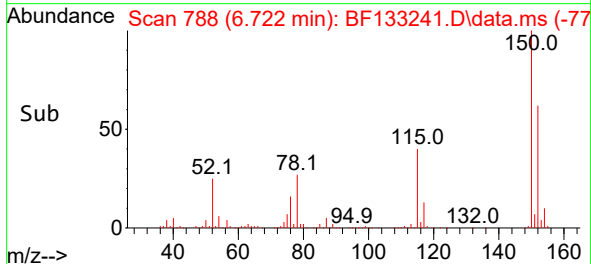
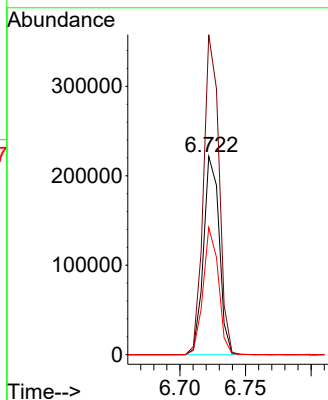
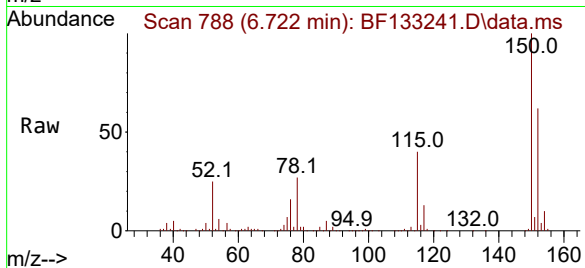




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

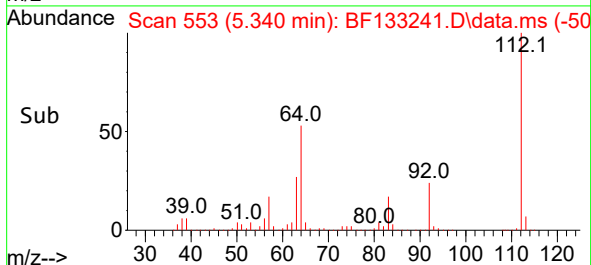
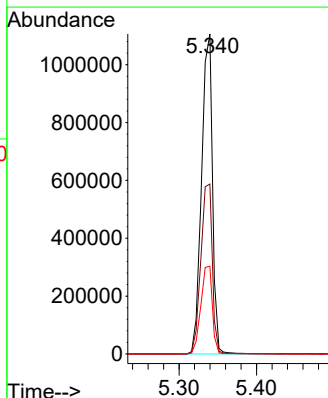
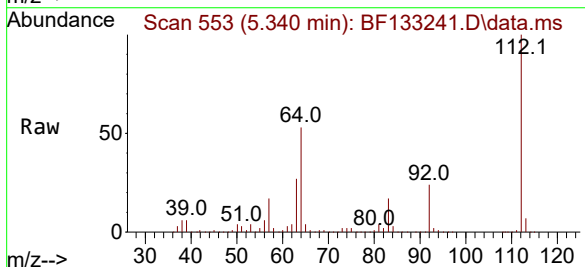
Instrument :
BNA_F
ClientSampleId :
HT-1

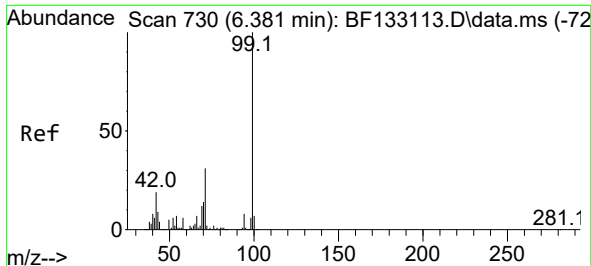
Tgt Ion:152 Resp: 185052
Ion Ratio Lower Upper
152 100
150 161.5 124.8 187.2
115 64.2 49.9 74.9



#5
2-Fluorophenol
Concen: 88.264 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

Tgt Ion:112 Resp: 1081250
Ion Ratio Lower Upper
112 100
64 53.1 46.8 70.2
63 27.4 23.8 35.8



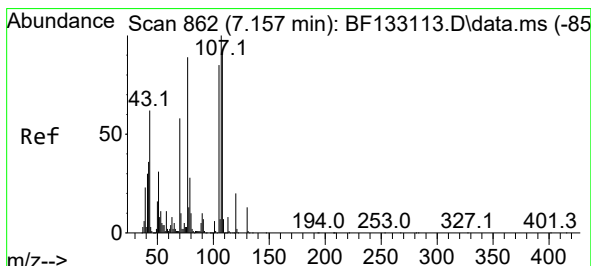
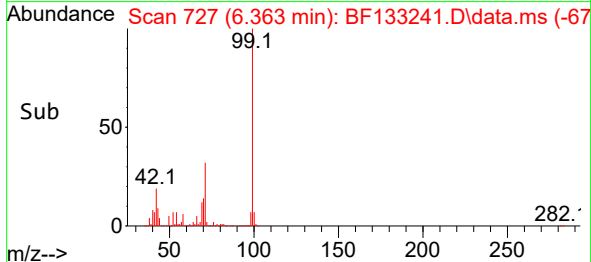
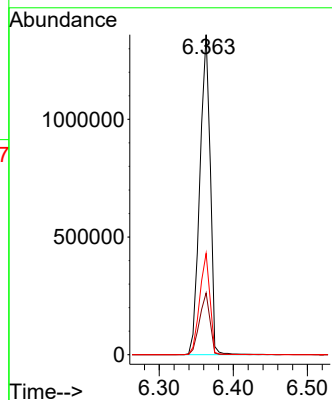
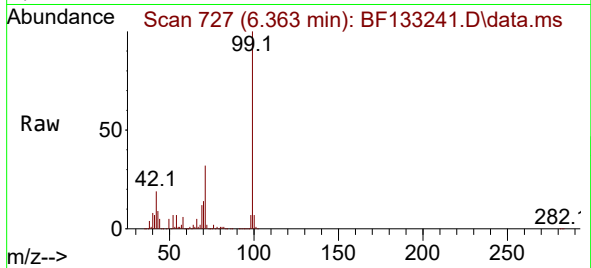


#7
Phenol-d6
Concen: 86.658 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

Instrument :
BNA_F
ClientSampleId :
HT-1

Tgt Ion: 99 Resp: 1317634

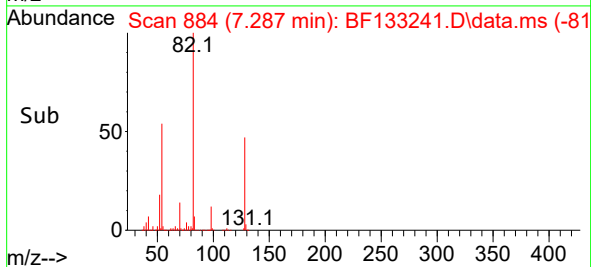
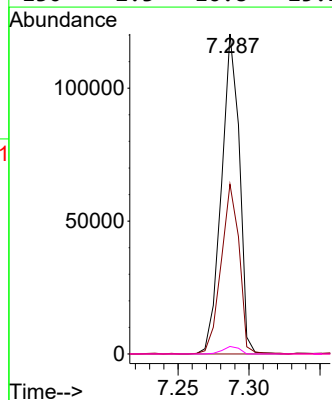
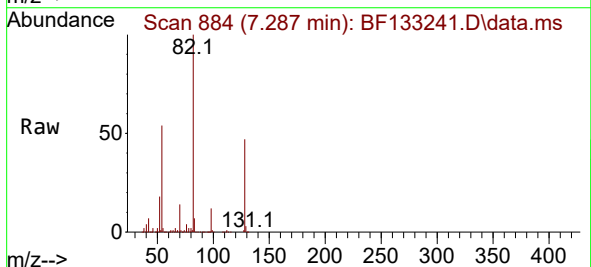
Ion	Ratio	Lower	Upper
99	100		
42	19.3	16.3	24.5
71	31.6	25.6	38.4

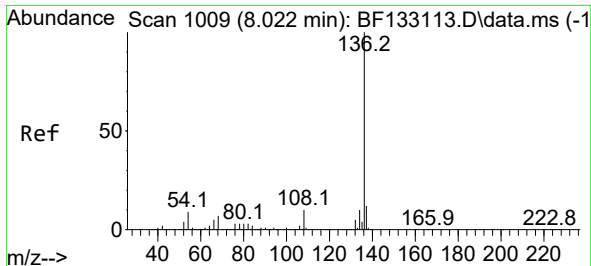


#19
n-Nitroso-di-n-propylamine
Concen: 11.151 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.135 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

Tgt Ion: 70 Resp: 105551

Ion	Ratio	Lower	Upper
70	100		
42	53.0	51.8	77.6
101	0.0	8.0	12.0#
130	2.3	16.8	25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BF133241.D

Acq: 04 May 2023 20:36

Instrument :

BNA_F

ClientSampleId :

HT-1

Tgt Ion:136 Resp: 757691

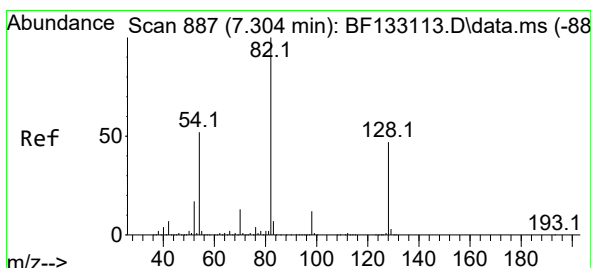
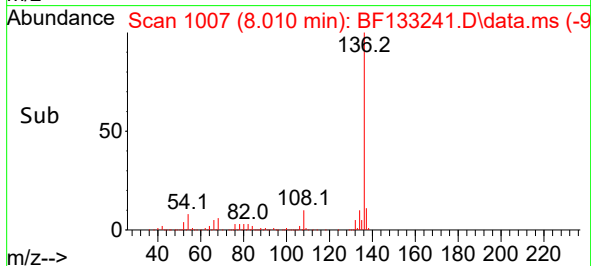
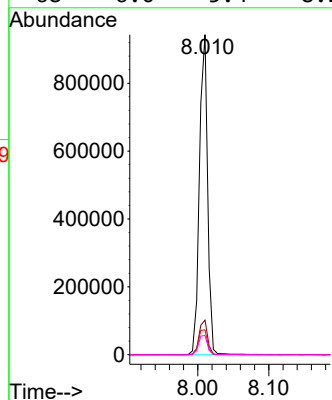
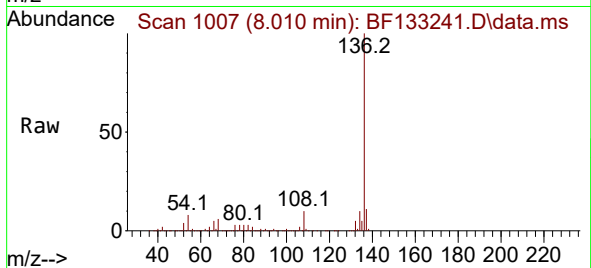
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.7 7.0 10.4

68 6.0 5.4 8.2



#23

Nitrobenzene-d5

Concen: 56.938 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF133241.D

Acq: 04 May 2023 20:36

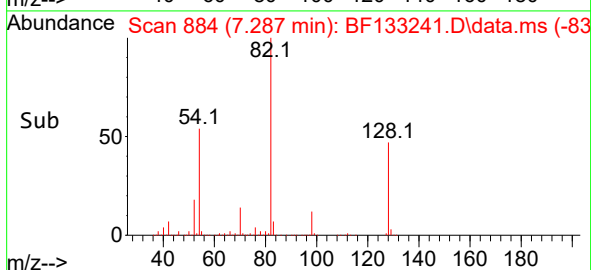
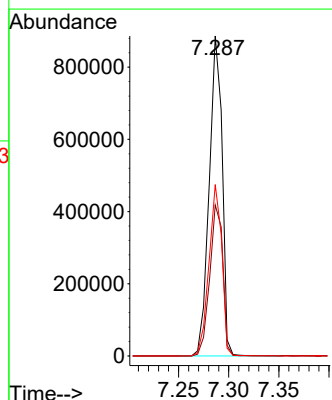
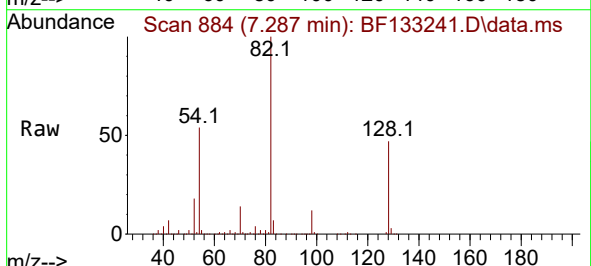
Tgt Ion: 82 Resp: 799263

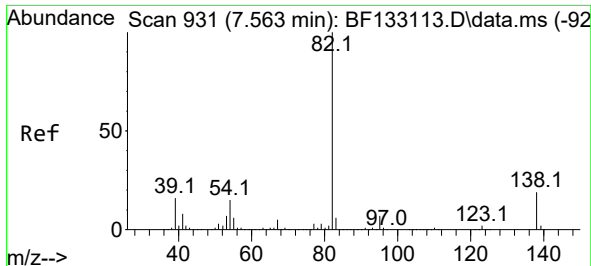
Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 53.6 43.0 64.4

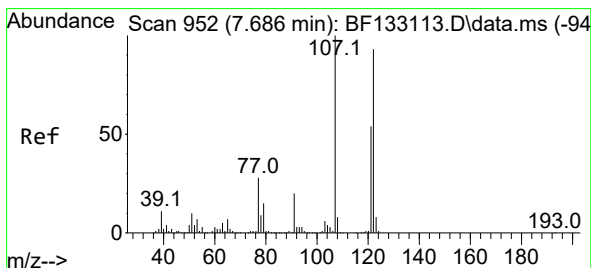
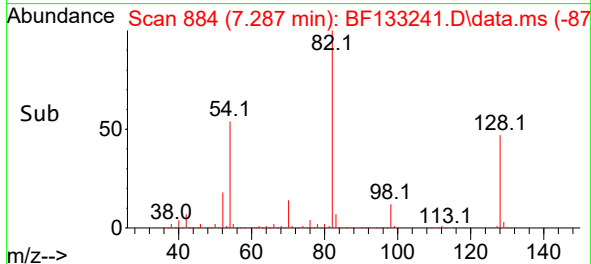
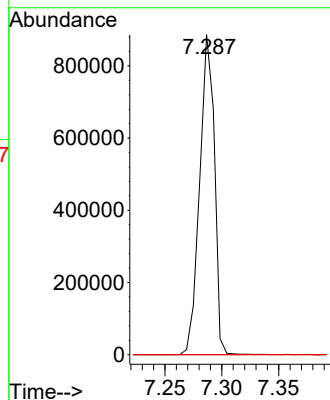
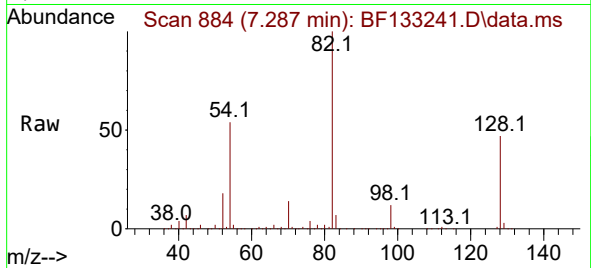




#25
Isophorone
Concen: 29.928 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

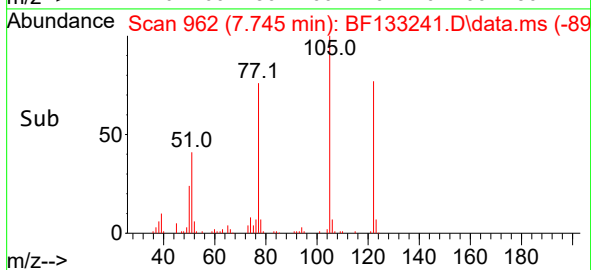
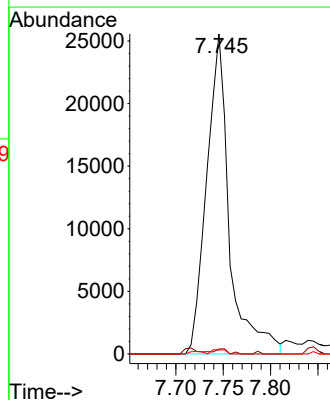
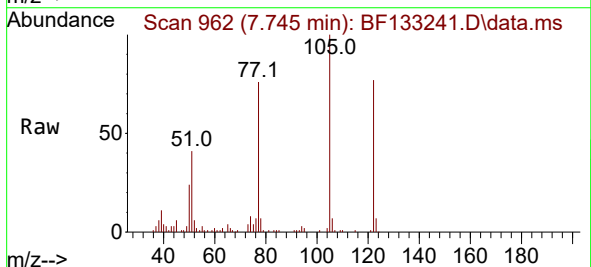
Instrument :
BNA_F
ClientSampleId :
HT-1

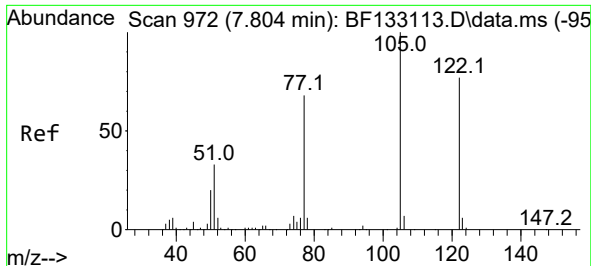
Tgt Ion: 82 Resp: 797634
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#27
2,4-Dimethylphenol
Concen: 3.617 ng
RT: 7.745 min Scan# 962
Delta R.T. 0.071 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

Tgt Ion: 122 Resp: 42555
Ion Ratio Lower Upper
122 100
107 1.6 89.7 134.5#
121 1.2 46.0 69.0#

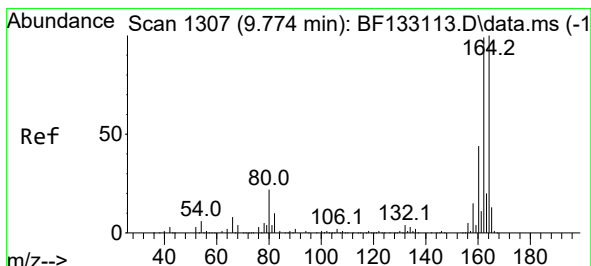
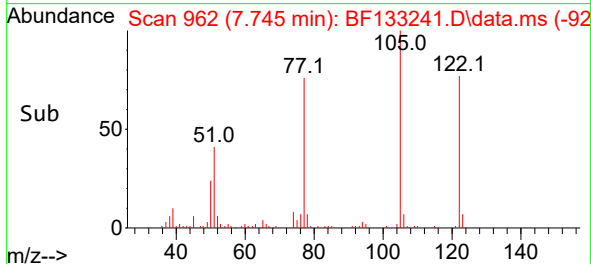
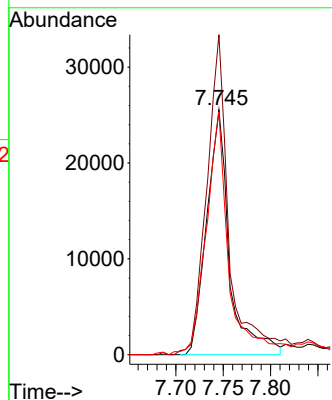
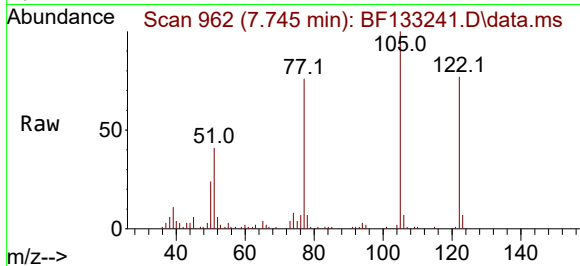




#32
Benzoic acid
Concen: 5.856 ng
RT: 7.745 min Scan# 90
Delta R.T. -0.059 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

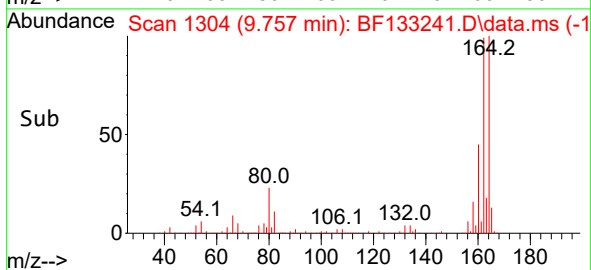
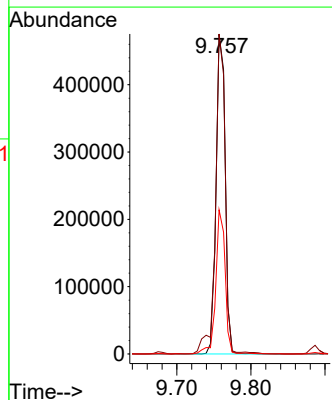
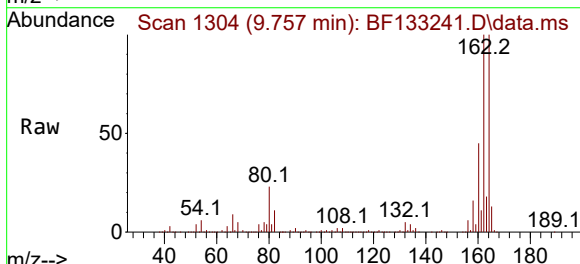
Instrument :
BNA_F
ClientSampleId :
HT-1

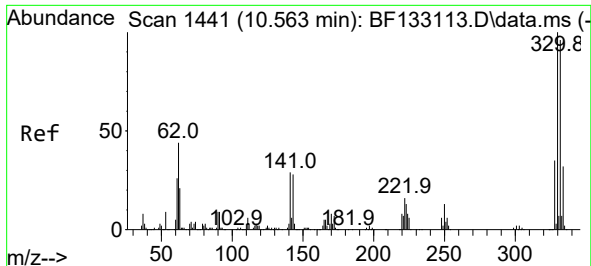
Tgt Ion:122 Resp: 42555
Ion Ratio Lower Upper
122 100
105 130.6 104.2 144.2
77 99.1 69.7 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

Tgt Ion:164 Resp: 403164
Ion Ratio Lower Upper
164 100
162 100.1 78.7 118.1
160 45.1 35.8 53.6

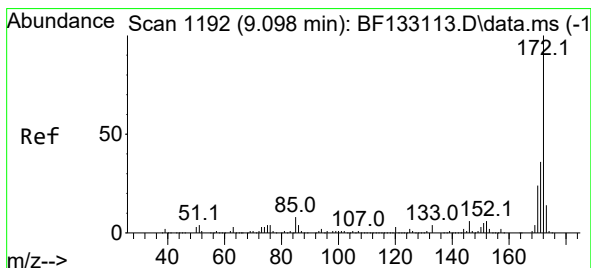
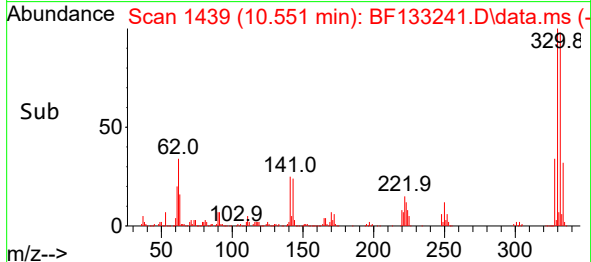
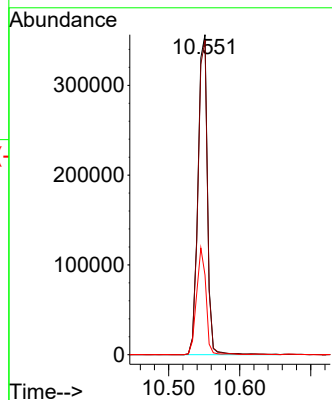
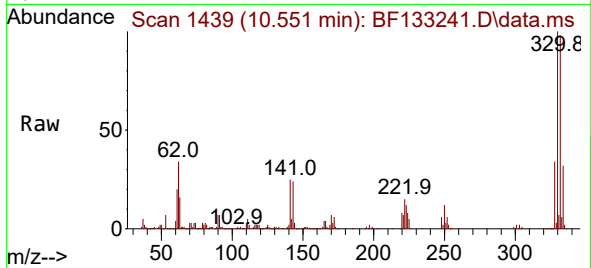




#42
2,4,6-Tribromophenol
Concen: 81.006 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

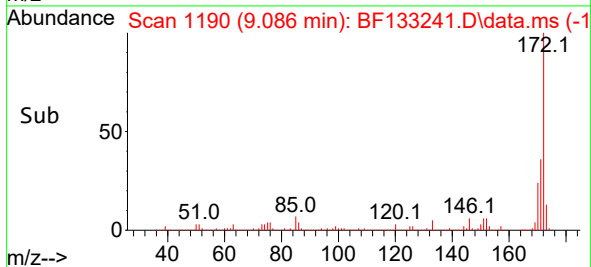
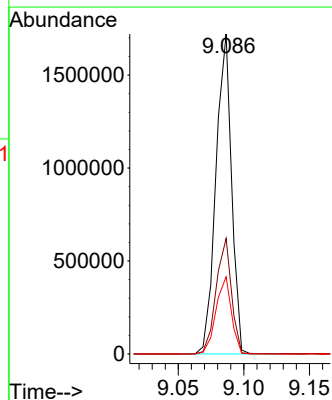
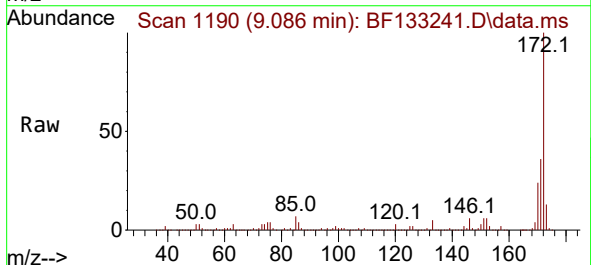
Instrument :
BNA_F
ClientSampleId :
HT-1

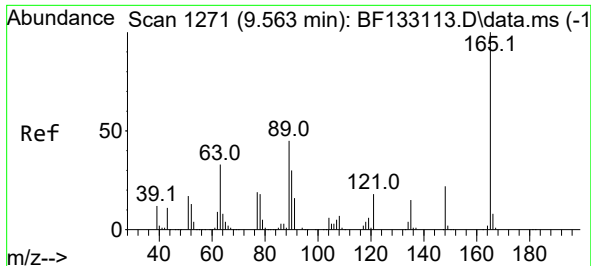
Tgt Ion:330 Resp: 328445
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 33.4 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 59.145 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

Tgt Ion:172 Resp: 1425289
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.1 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.282 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.200 min

Lab File: BF133241.D

Acq: 04 May 2023 20:36

Instrument :

BNA_F

ClientSampleId :

HT-1

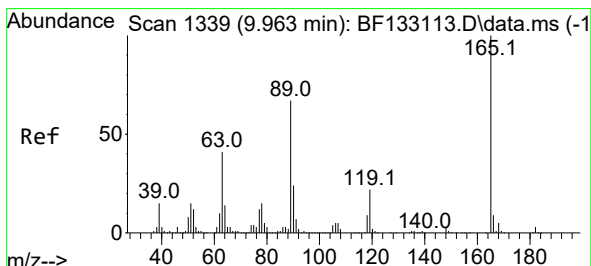
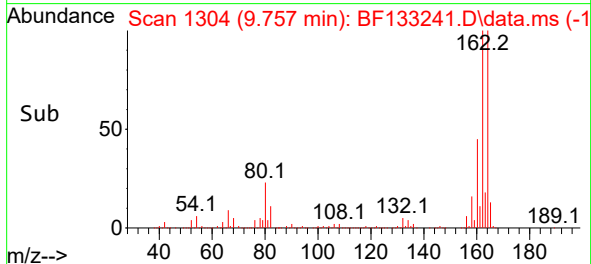
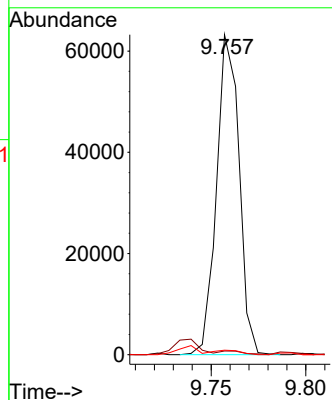
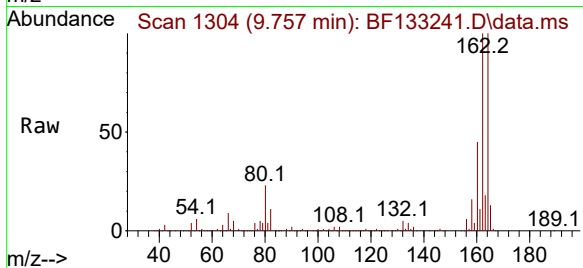
Tgt Ion:165 Resp: 52404

Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 1.4 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.494 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.200 min

Lab File: BF133241.D

Acq: 04 May 2023 20:36

Tgt Ion:165 Resp: 52404

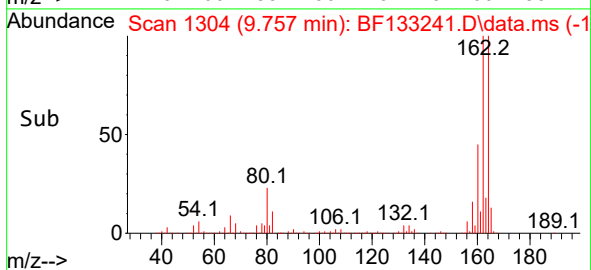
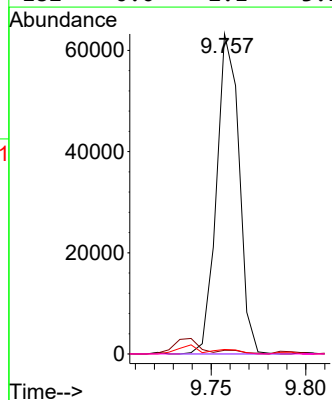
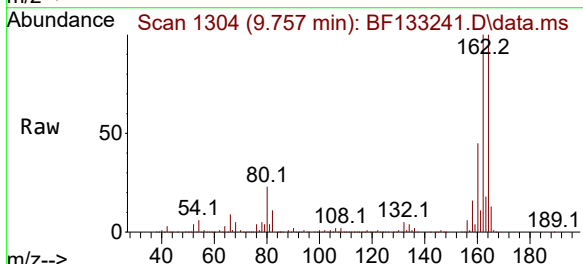
Ion Ratio Lower Upper

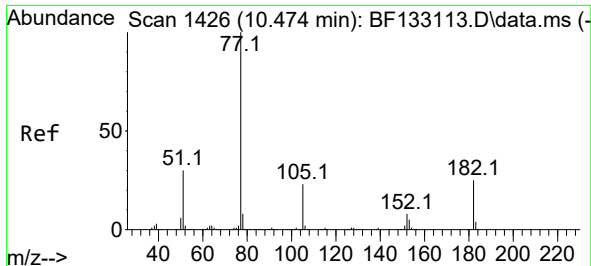
165 100

63 1.1 37.7 56.5#

89 1.4 57.0 85.4#

182 0.0 2.1 3.1#

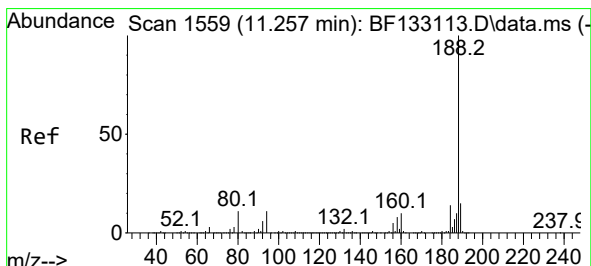
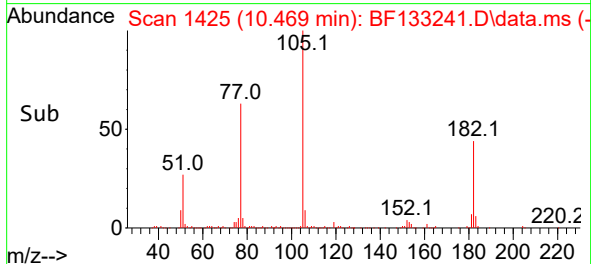
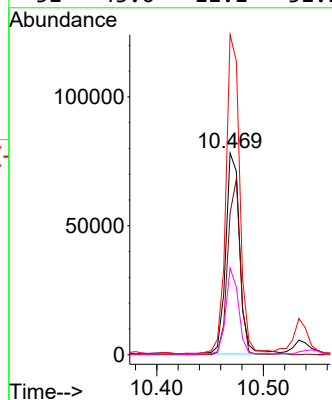
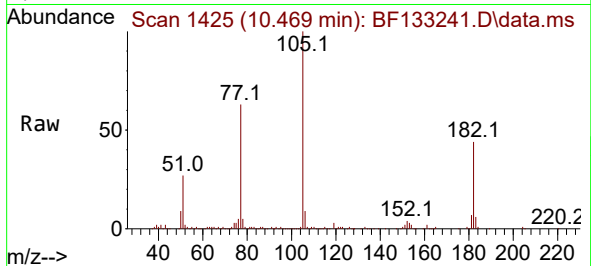




#63
Azobenzene
Concen: 2.521 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

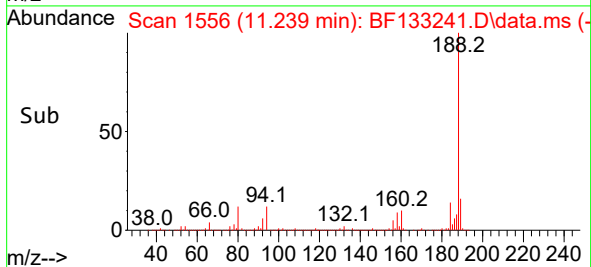
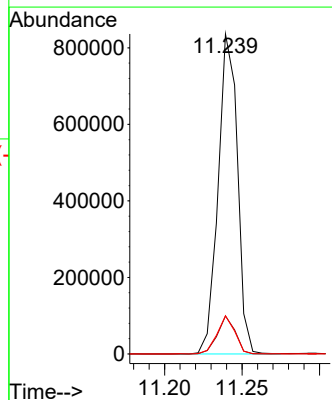
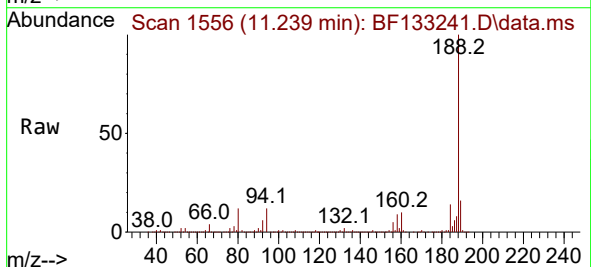
Instrument :
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ClientSampleId :
HT-1

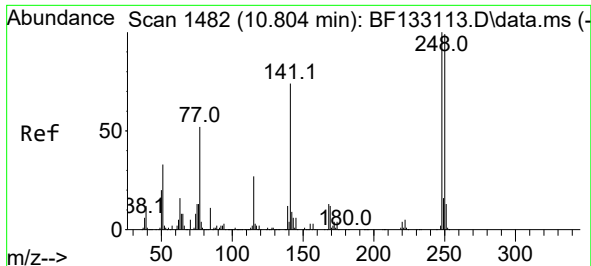
Tgt Ion: 77 Resp: 70920
Ion Ratio Lower Upper
77 100
182 70.3 5.9 45.9#
105 158.8 2.3 42.3#
51 43.0 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

Tgt Ion:188 Resp: 724493
Ion Ratio Lower Upper
188 100
94 11.9 9.7 14.5
80 11.9 10.4 15.6

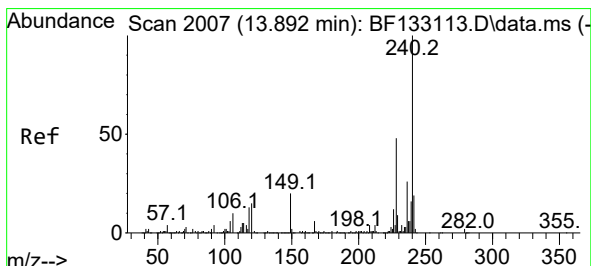
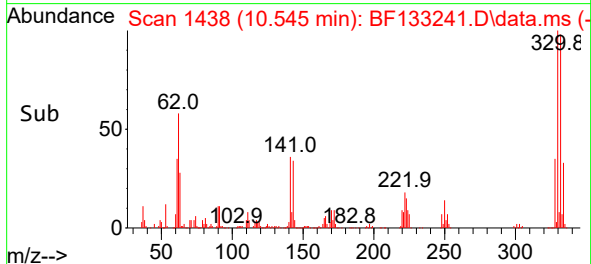
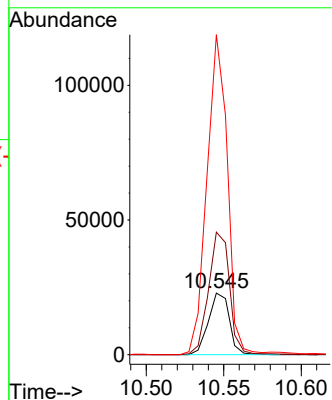
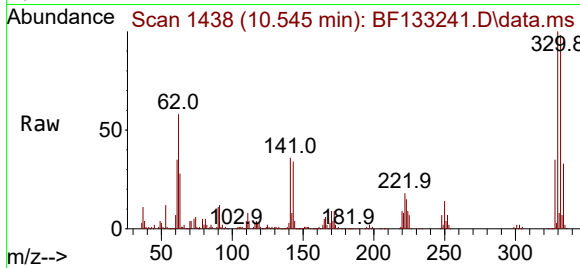




#67
4-Bromophenyl-phenylether
Concen: 2.731 ng
RT: 10.545 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

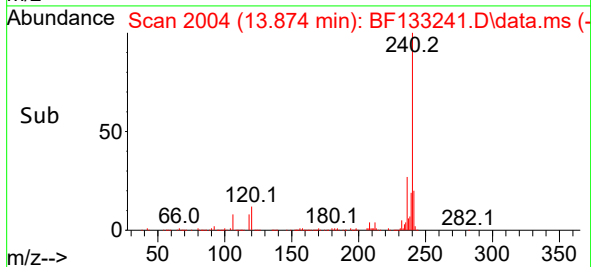
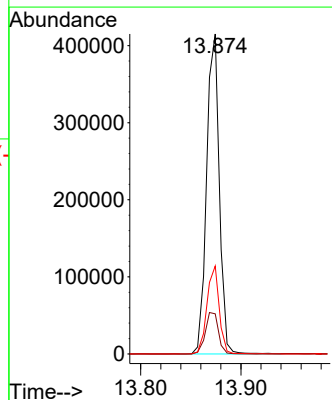
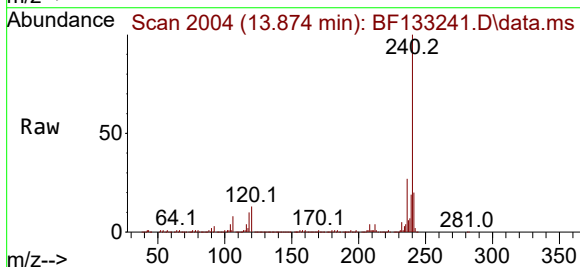
Instrument :
BNA_F
ClientSampleId :
HT-1

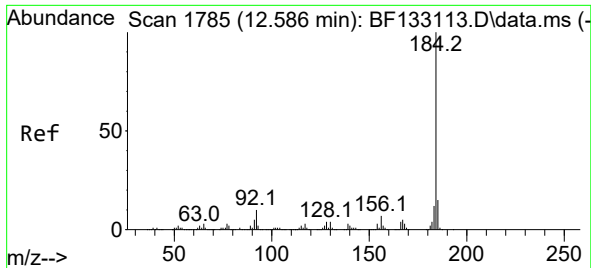
Tgt Ion:248 Resp: 21457
Ion Ratio Lower Upper
248 100
250 199.0 78.7 118.1#
141 519.4 56.3 84.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

Tgt Ion:240 Resp: 367988
Ion Ratio Lower Upper
240 100
120 12.5 10.5 15.7
236 27.5 21.5 32.3

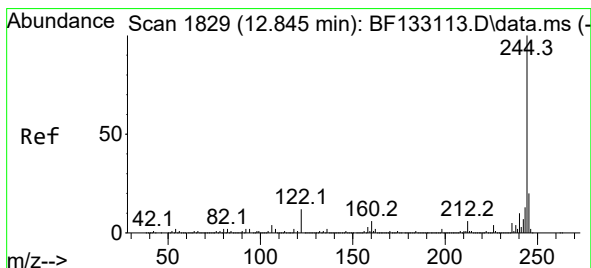
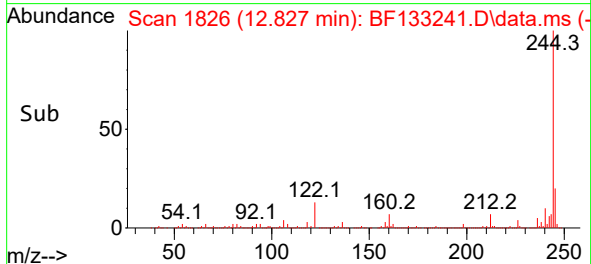
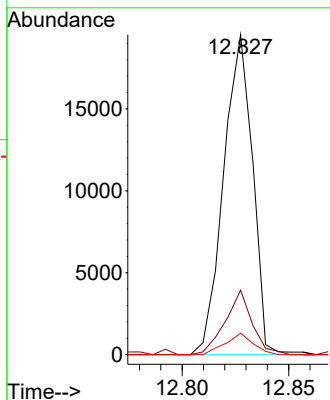
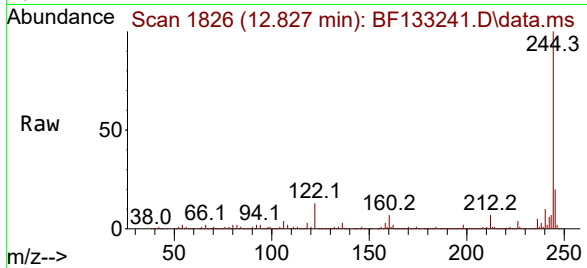




#77
Benzidine
Concen: 2.959 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.247 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

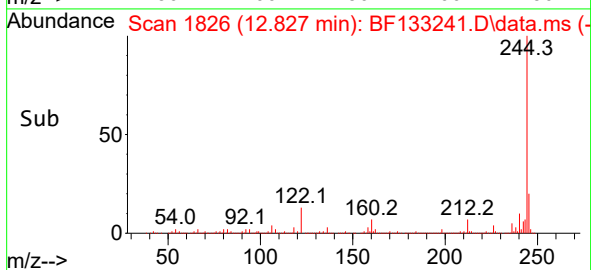
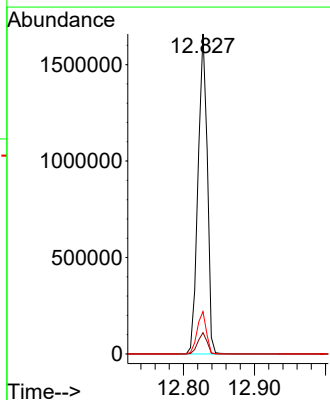
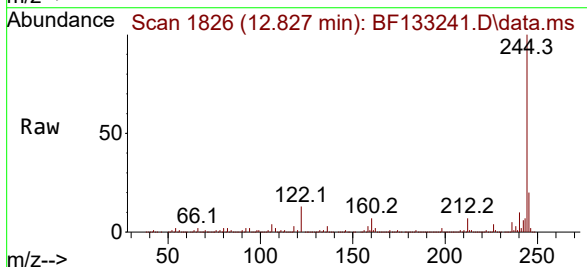
Instrument :
BNA_F
ClientSampleId :
HT-1

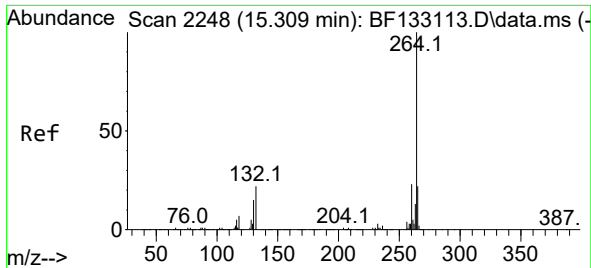
Tgt Ion:184 Resp: 18413
Ion Ratio Lower Upper
184 100
185 20.2 15.4 23.2
183 6.7 9.4 14.0#



#79
Terphenyl-d14
Concen: 70.539 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

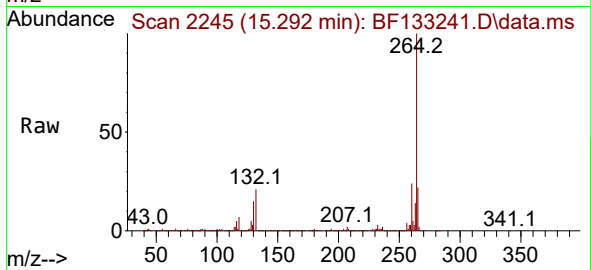
Tgt Ion:244 Resp: 1505081
Ion Ratio Lower Upper
244 100
212 6.7 5.1 7.7
122 13.3 8.6 13.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133241.D
Acq: 04 May 2023 20:36

Instrument :
BNA_F
ClientSampleId :
HT-1



Tgt Ion:264 Resp: 379358
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.0 17.0 25.4

