

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133509.D
 Acq On : 26 May 2023 20:34
 Operator : CG\JU
 Sample : 02908-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP02

Quant Time: May 27 01:11:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

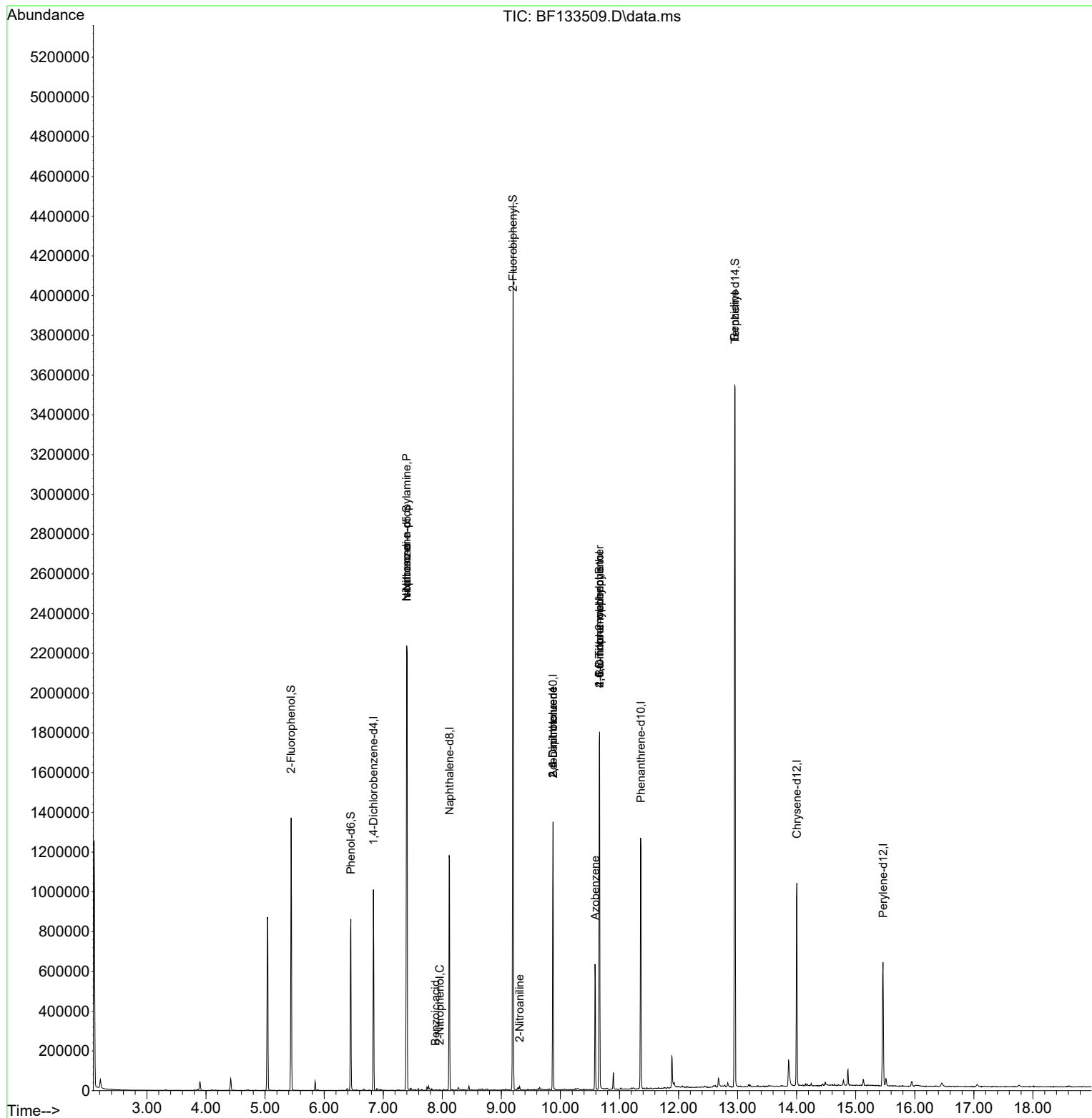
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	134265	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	508570	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	246386	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	473094	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	333180	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	277178	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	330011	41.009	ng	0.00
7) Phenol-d6	6.452	99	247751	25.010	ng	-0.01
23) Nitrobenzene-d5	7.399	82	753714	98.953	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	217455	88.540	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1301686	81.542	ng	0.00
79) Terphenyl-d14	12.957	244	1387580	74.047	ng	0.00
Target Compounds						
9) Benzaldehyde	6.381	77	302	Below Cal		Qvalue 91
19) n-Nitroso-di-n-propyla...	7.399	70	105640	16.482	ng	# 81
25) Isophorone	7.399	82	753705	42.458	ng	# 65
26) 2-Nitrophenol	7.957	139	142	4.776	ng	# 33
32) Benzoic acid	7.887	122	56	7.359	ng	# 1
48) 2-Nitroaniline	9.310	65	231	4.036	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	31308	12.462	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	31308	11.650	ng	# 15
63) Azobenzene	10.587	77	106735	5.931	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	434	8.895	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	13412	2.669	ng	# 1
77) Benzidine	12.951	184	20044	2.057	ng	# 93

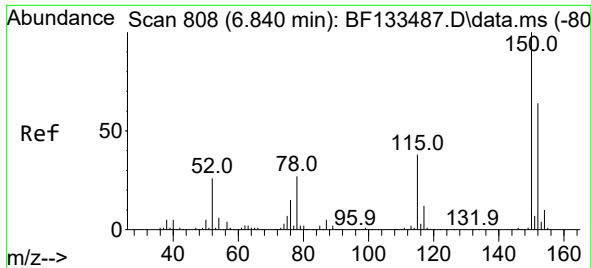
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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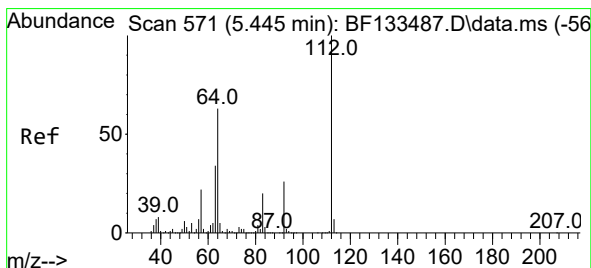
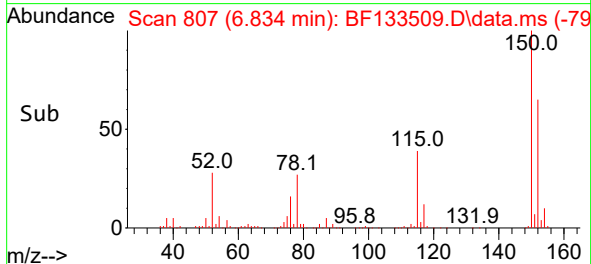
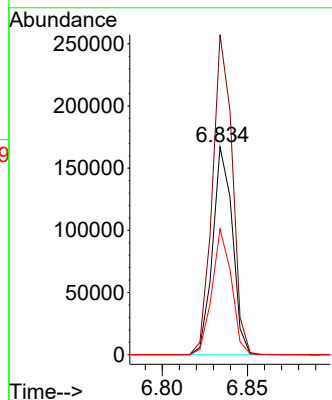
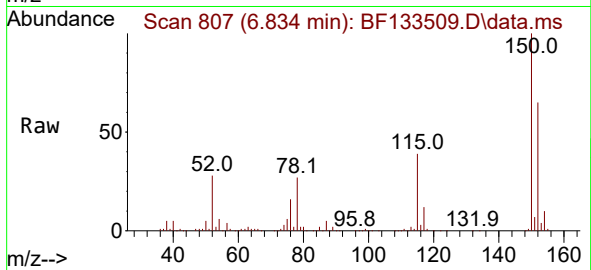




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

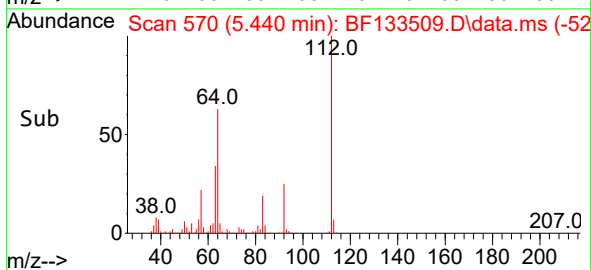
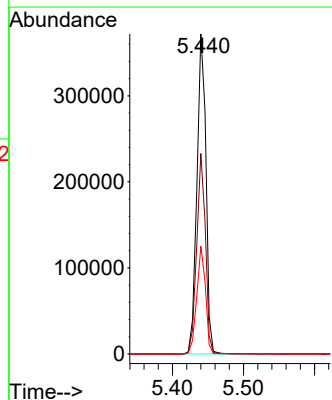
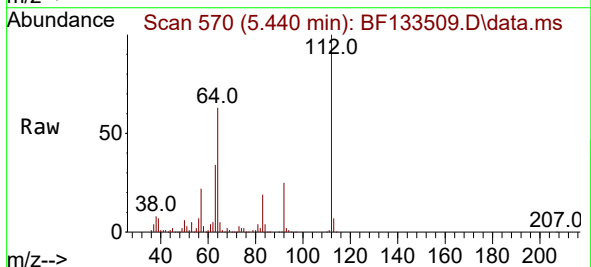
Instrument :
BNA_F
ClientSampleId :
TWP02

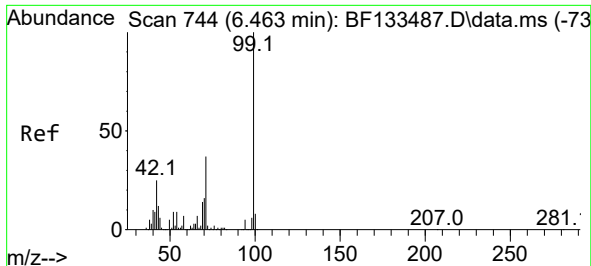
Tgt Ion:152 Resp: 134265
Ion Ratio Lower Upper
152 100
150 153.9 124.9 187.3
115 60.4 48.1 72.1



#5
2-Fluorophenol
Concen: 41.009 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

Tgt Ion:112 Resp: 330011
Ion Ratio Lower Upper
112 100
64 62.7 50.1 75.1
63 33.6 27.5 41.3

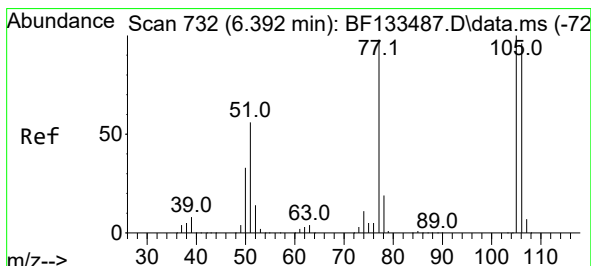
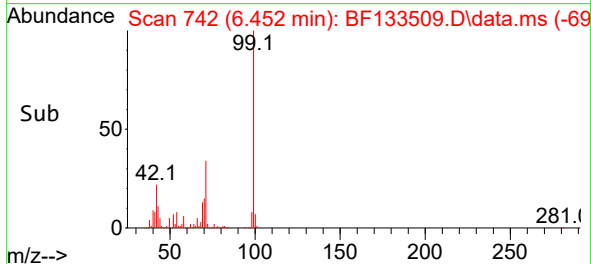
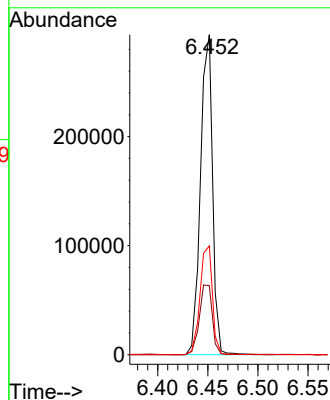
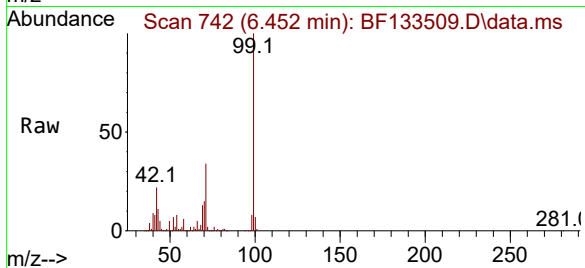




#7
Phenol-d6
Concen: 25.010 ng
RT: 6.452 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

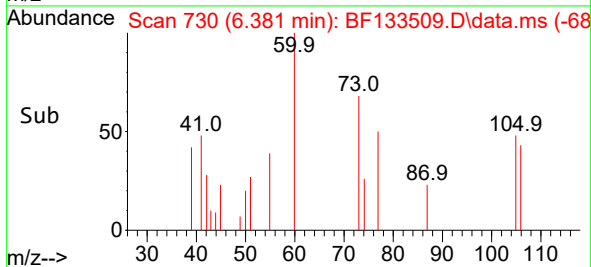
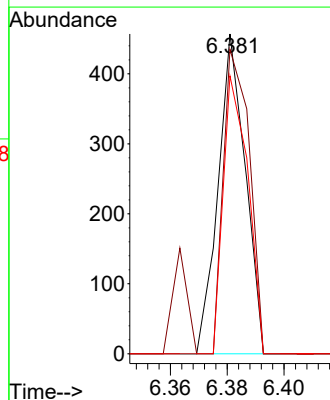
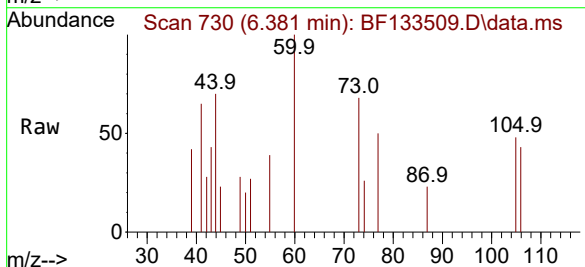
Instrument :
BNA_F
ClientSampleId :
TWP02

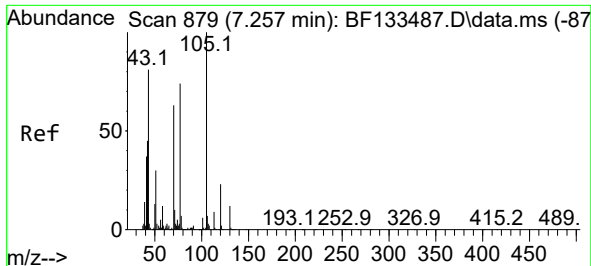
Tgt Ion: 99 Resp: 247751
Ion Ratio Lower Upper
99 100
42 21.6 19.7 29.5
71 34.0 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.011 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

Tgt Ion: 77 Resp: 302
Ion Ratio Lower Upper
77 100
105 95.2 81.9 121.9
106 86.9 77.8 117.8

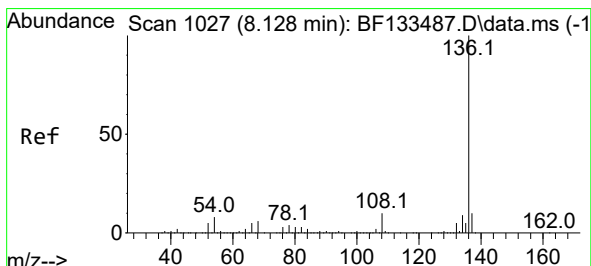
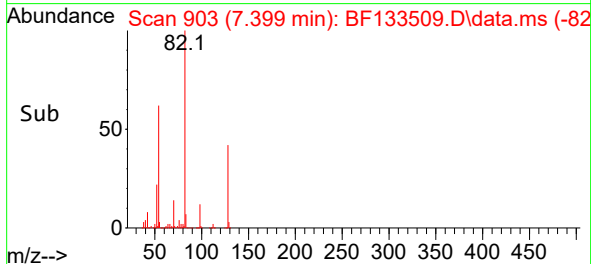
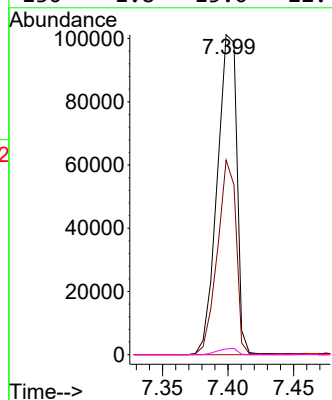
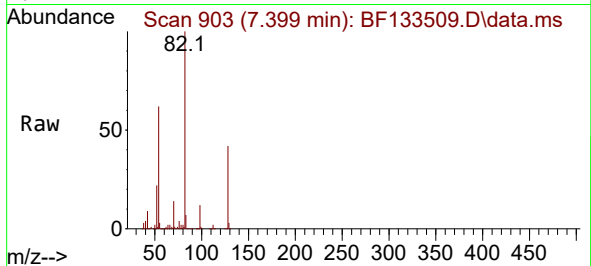




#19
n-Nitroso-di-n-propylamine
Concen: 16.482 ng
RT: 7.399 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

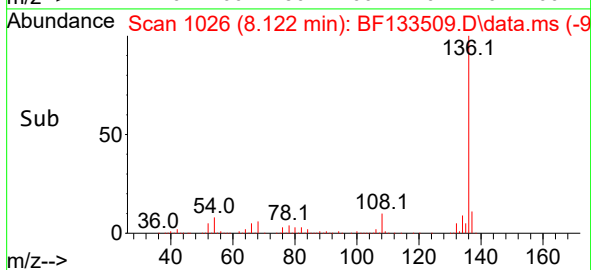
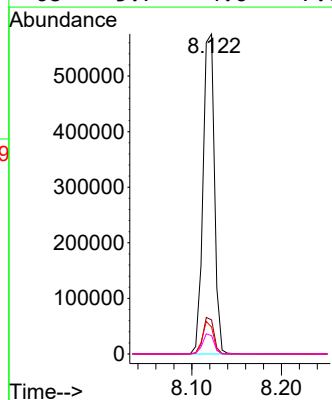
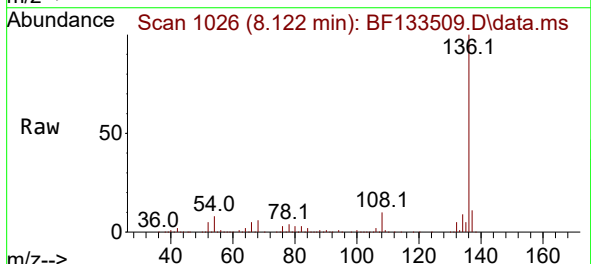
Instrument :
BNA_F
ClientSampleId :
TWP02

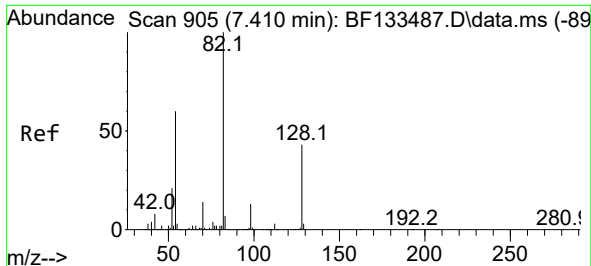
Tgt Ion: 70 Resp: 105640
Ion Ratio Lower Upper
70 100
42 60.9 57.2 85.8
101 0.0 7.3 10.9#
130 1.8 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

Tgt Ion: 136 Resp: 508570
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.4 6.6 10.0
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 98.953 ng

RT: 7.399 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF133509.D

Acq: 26 May 2023 20:34

Instrument :

BNA_F

ClientSampleId :

TWP02

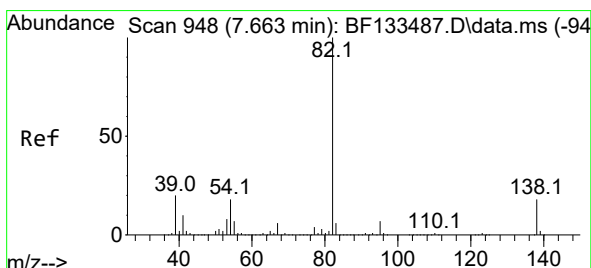
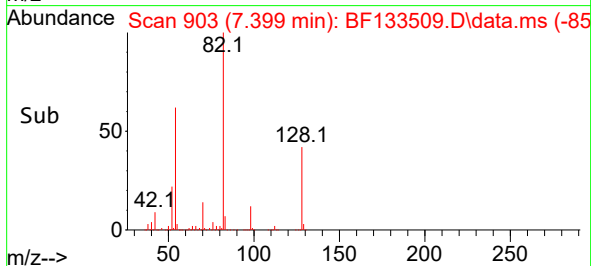
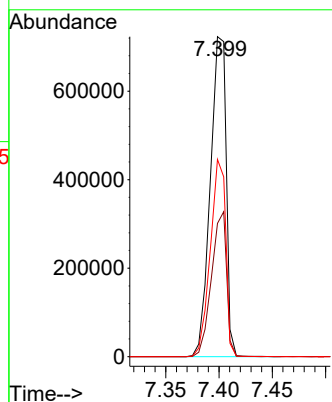
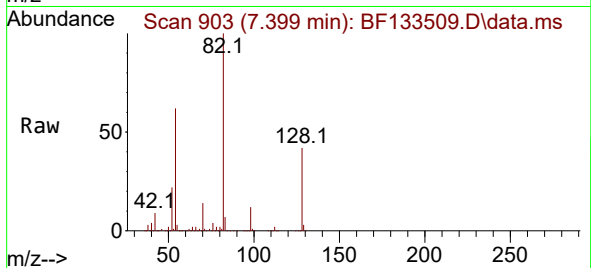
Tgt Ion: 82 Resp: 753714

Ion Ratio Lower Upper

82 100

128 41.7 34.2 51.4

54 61.7 48.2 72.4



#25

Isophorone

Concen: 42.458 ng

RT: 7.399 min Scan# 903

Delta R.T. -0.264 min

Lab File: BF133509.D

Acq: 26 May 2023 20:34

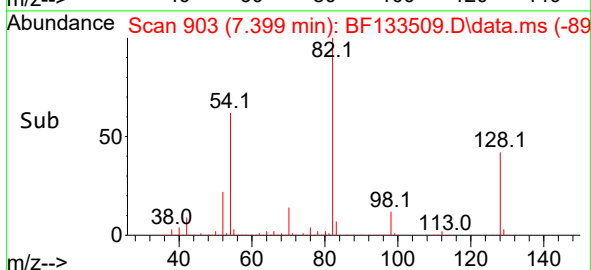
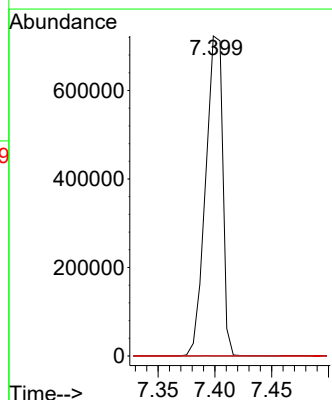
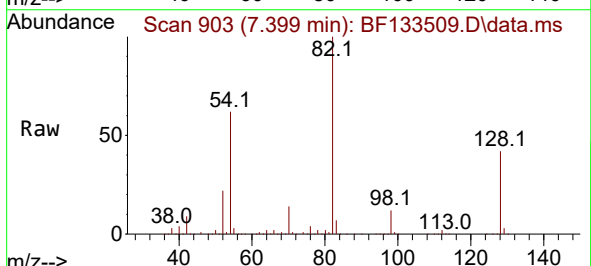
Tgt Ion: 82 Resp: 753705

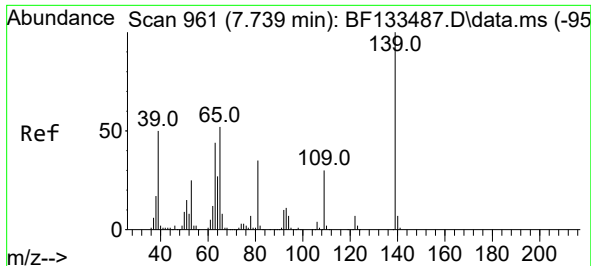
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

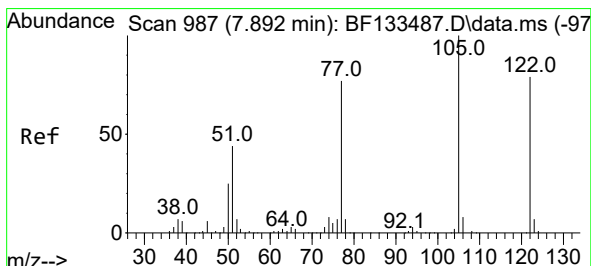
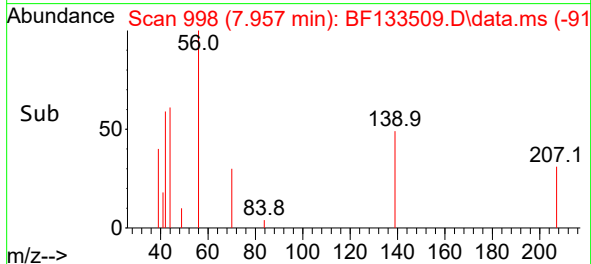
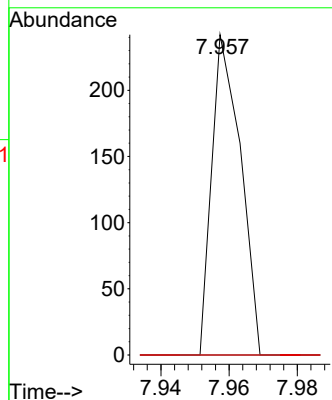
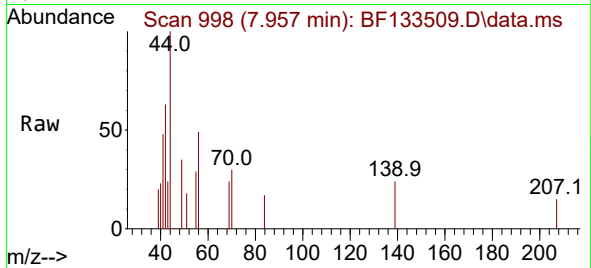




#26
2-Nitrophenol
Concen: 4.776 ng
RT: 7.957 min Scan# 91
Delta R.T. 0.218 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

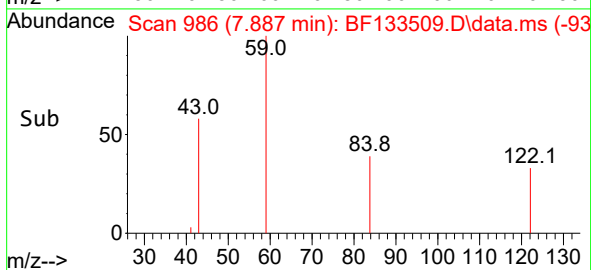
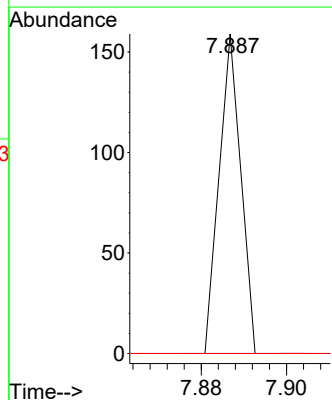
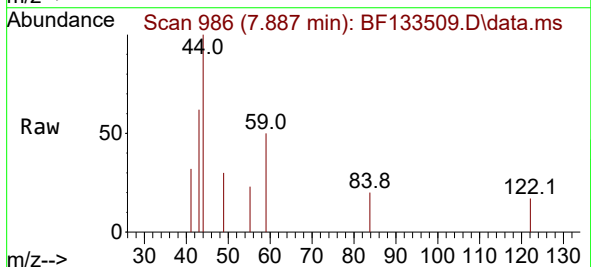
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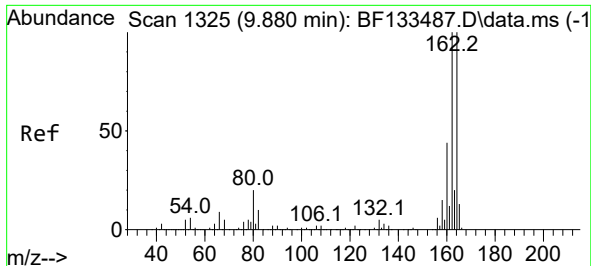
Tgt Ion:139 Resp: 142
Ion Ratio Lower Upper
139 100
109 0.0 24.0 36.0#
65 0.0 41.7 62.5#



#32
Benzoic acid
Concen: 7.359 ng
RT: 7.887 min Scan# 986
Delta R.T. -0.005 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 75.7 115.7#

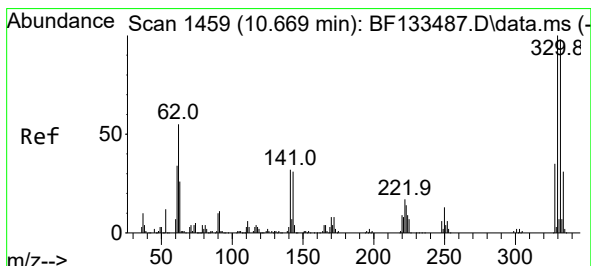
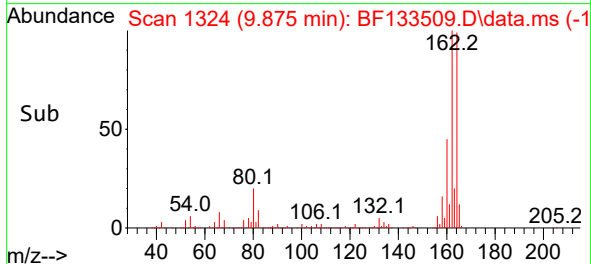
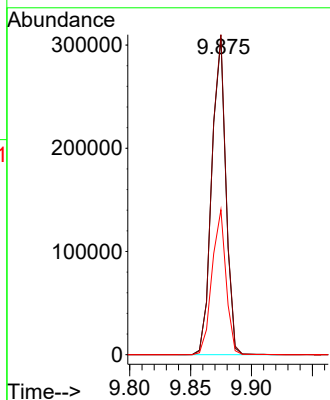
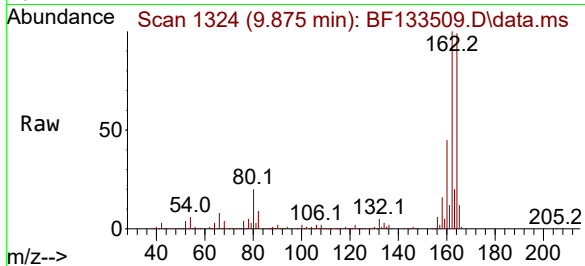




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

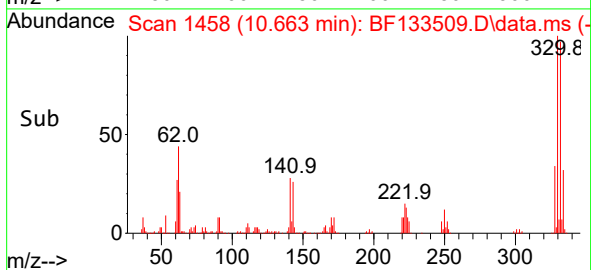
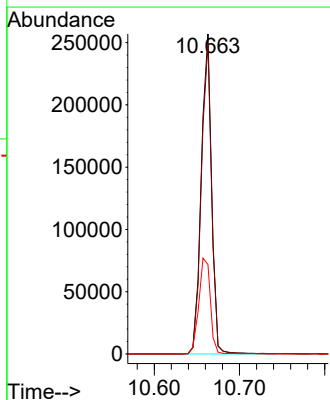
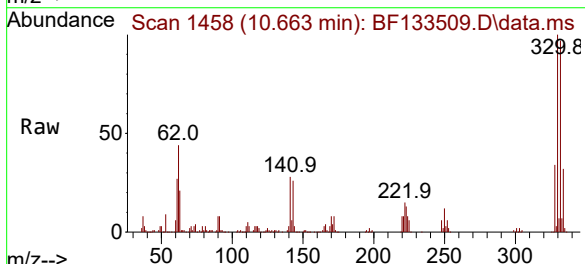
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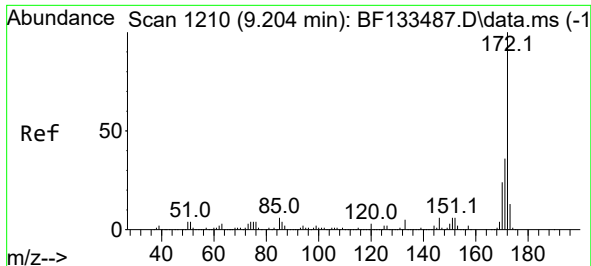
Tgt Ion:164 Resp: 246386
Ion Ratio Lower Upper
164 100
162 101.1 79.7 119.5
160 45.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 88.540 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

Tgt Ion:330 Resp: 217455
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.6
141 33.4 26.6 40.0

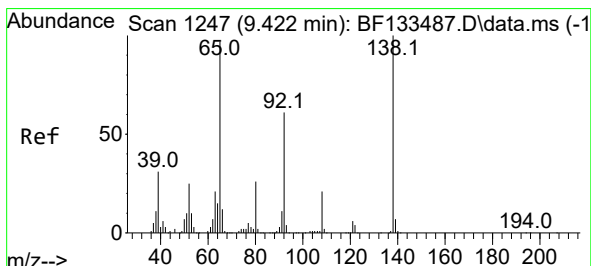
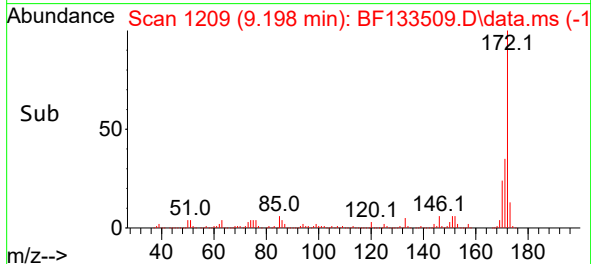
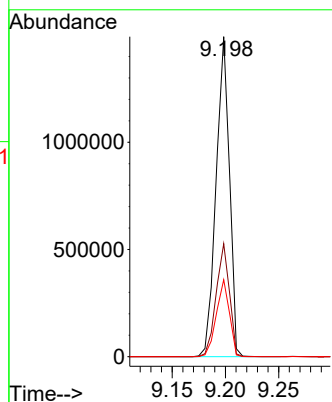
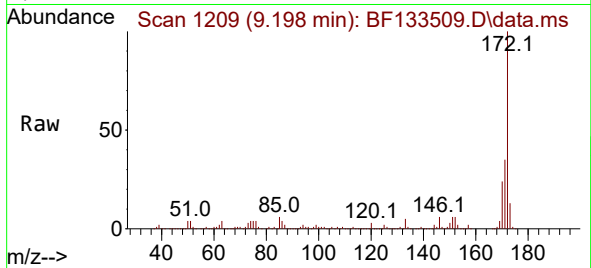




#45
2-Fluorobiphenyl
Concen: 81.542 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

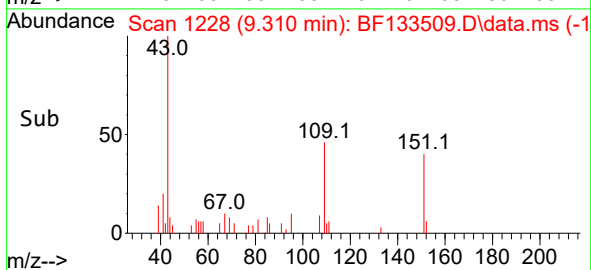
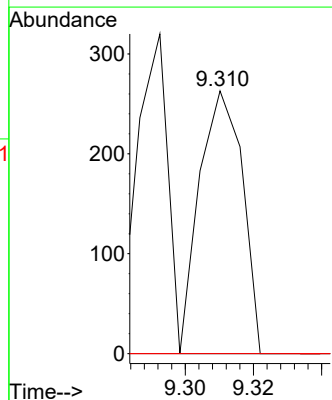
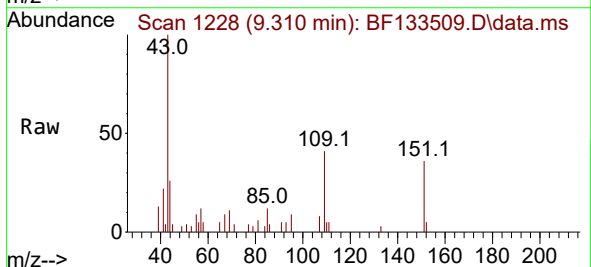
Instrument :
BNA_F
ClientSampleId :
TWP02

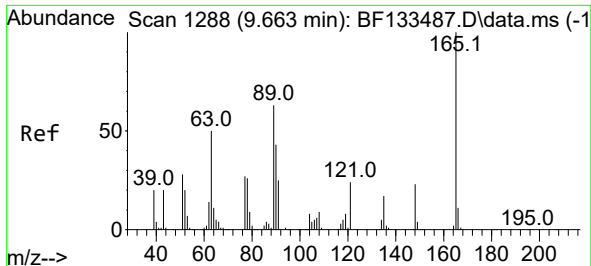
Tgt Ion:172 Resp: 1301686
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 24.1 19.3 28.9



#48
2-Nitroaniline
Concen: 4.036 ng
RT: 9.310 min Scan# 1228
Delta R.T. -0.112 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

Tgt Ion: 65 Resp: 231
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#

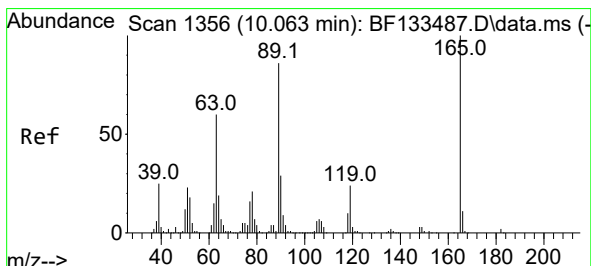
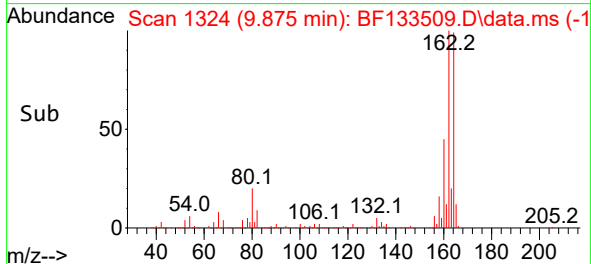
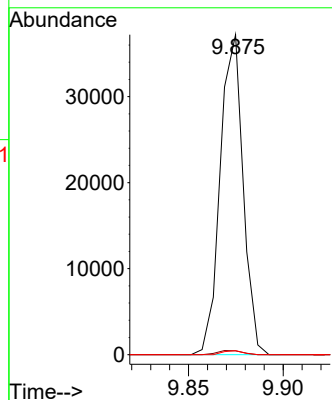
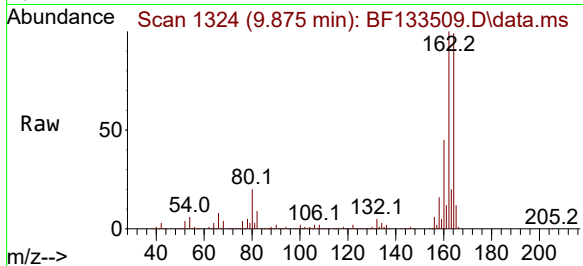




#51
2,6-Dinitrotoluene
Concen: 12.462 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

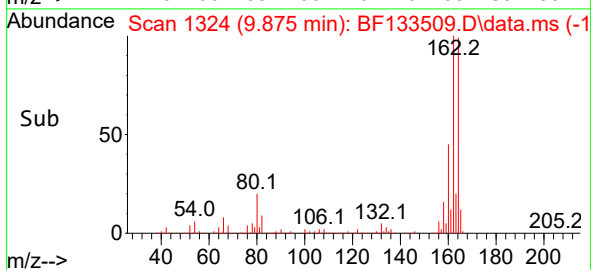
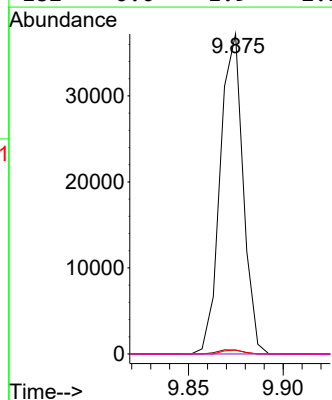
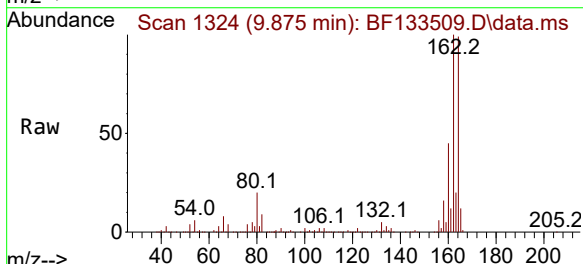
Instrument :
BNA_F
ClientSampleId :
TWP02

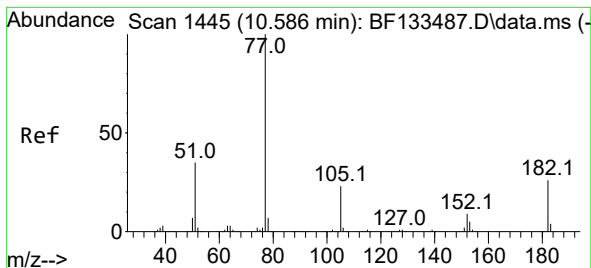
Tgt Ion:165 Resp: 31308
Ion Ratio Lower Upper
165 100
63 1.2 57.0 85.4#
89 1.3 50.8 76.2#



#57
2,4-Dinitrotoluene
Concen: 11.650 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

Tgt Ion:165 Resp: 31308
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 5.931 ng

RT: 10.587 min Scan# 1445

Delta R.T. 0.001 min

Lab File: BF133509.D

Acq: 26 May 2023 20:34

Instrument :

BNA_F

ClientSampleId :

TWP02

Tgt Ion: 77 Resp: 106735

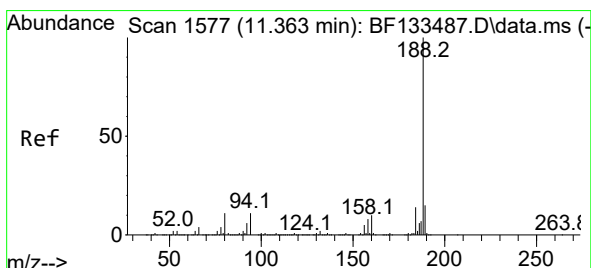
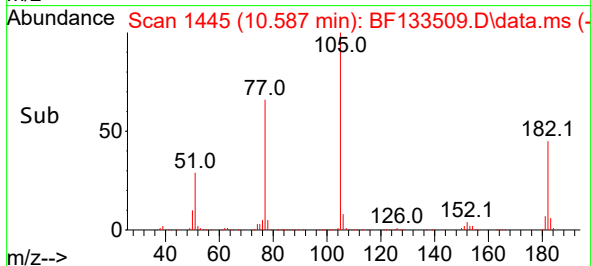
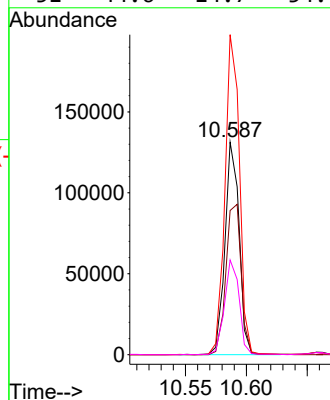
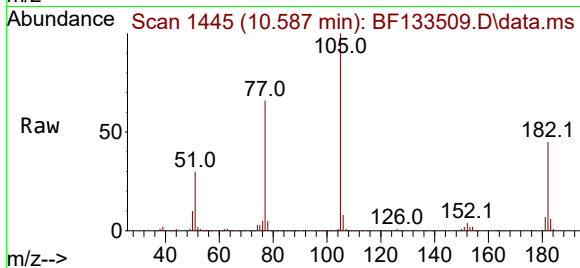
Ion Ratio Lower Upper

77 100

182 67.8 5.6 45.6#

105 150.6 2.6 42.6#

51 44.6 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1577

Delta R.T. -0.000 min

Lab File: BF133509.D

Acq: 26 May 2023 20:34

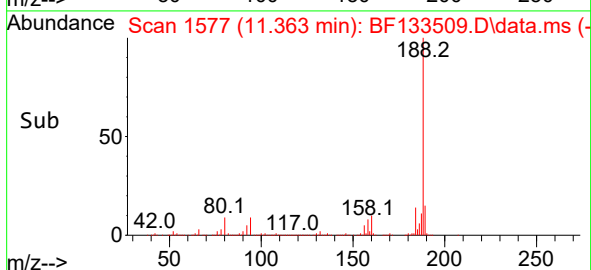
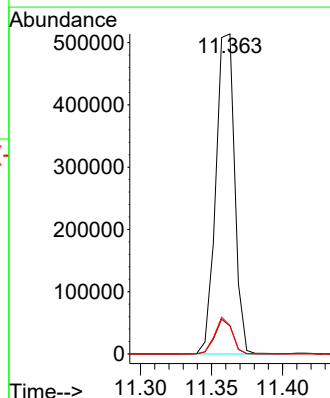
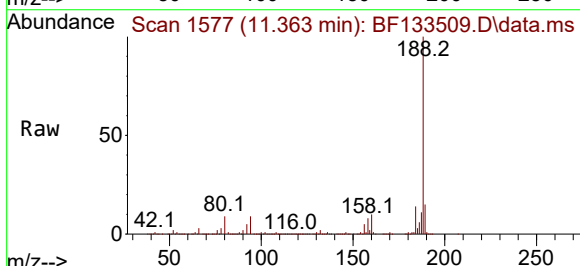
Tgt Ion: 188 Resp: 473094

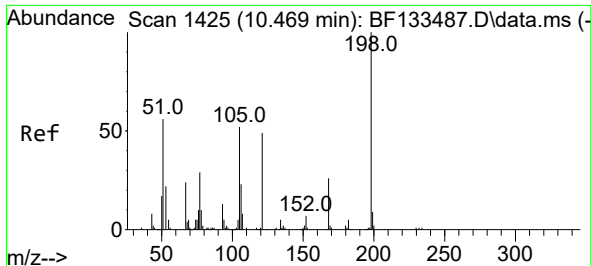
Ion Ratio Lower Upper

188 100

94 8.8 8.6 12.8

80 8.9 9.2 13.8#

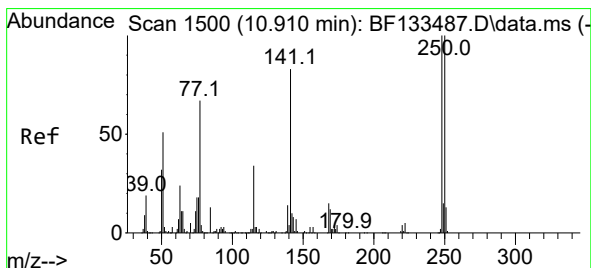
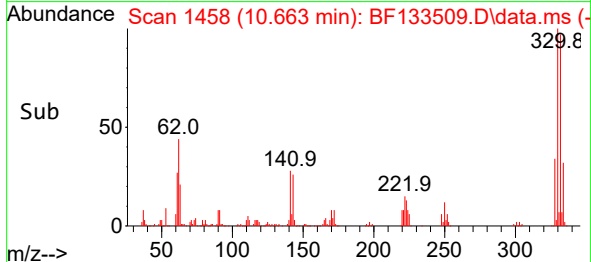
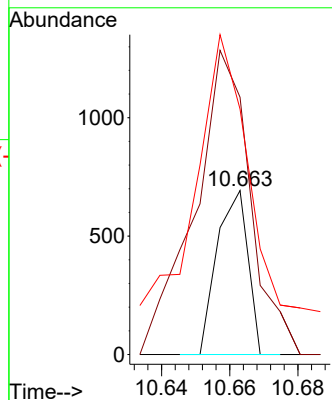
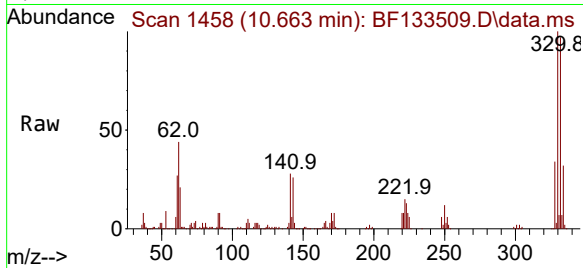




#65
4,6-Dinitro-2-methylphenol
Concen: 8.895 ng
RT: 10.663 min Scan# 1425
Delta R.T. 0.194 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

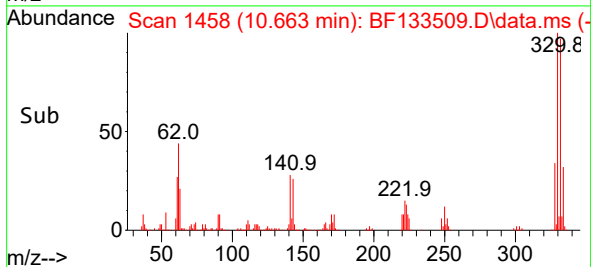
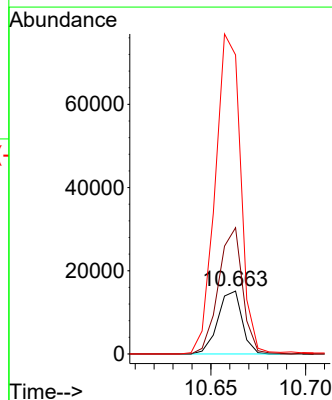
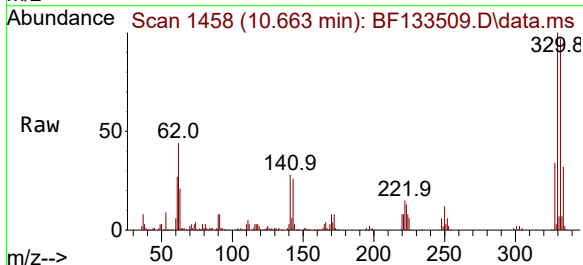
Instrument :
BNA_F
ClientSampleId :
TWP02

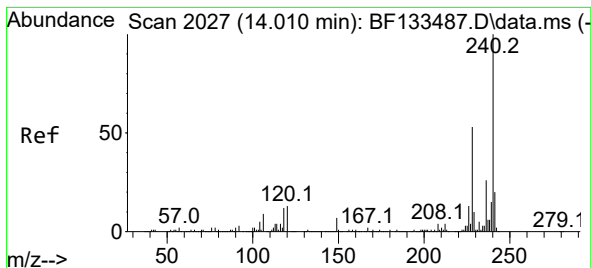
Tgt Ion:198 Resp: 434
Ion Ratio Lower Upper
198 100
51 156.9 53.6 93.6#
105 149.6 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.669 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133509.D
Acq: 26 May 2023 20:34

Tgt Ion:248 Resp: 13412
Ion Ratio Lower Upper
248 100
250 200.5 79.7 119.5#
141 475.2 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133509.D

Acq: 26 May 2023 20:34

Instrument :

BNA_F

ClientSampleId :

TWP02

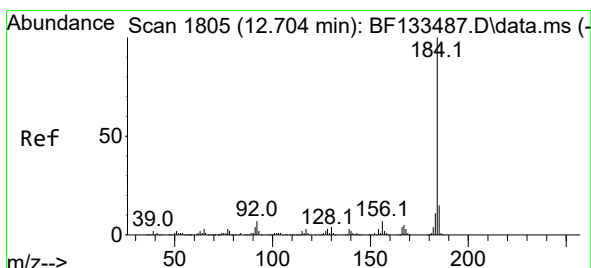
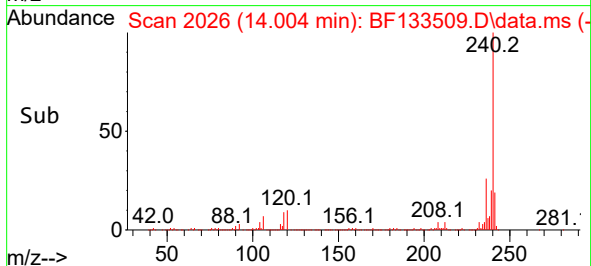
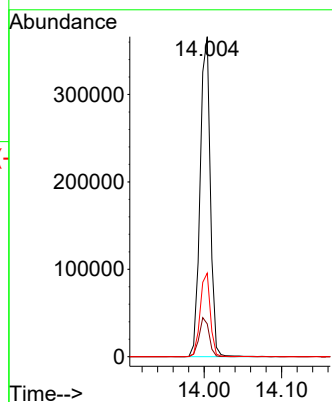
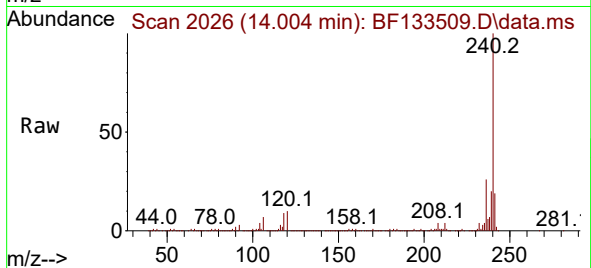
Tgt Ion:240 Resp: 333180

Ion Ratio Lower Upper

240 100

120 10.2 10.3 15.5#

236 26.1 20.5 30.7



#77

Benzidine

Concen: 2.057 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.247 min

Lab File: BF133509.D

Acq: 26 May 2023 20:34

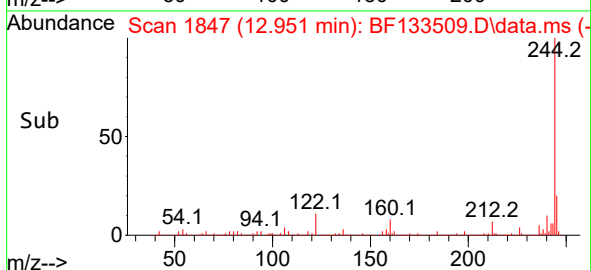
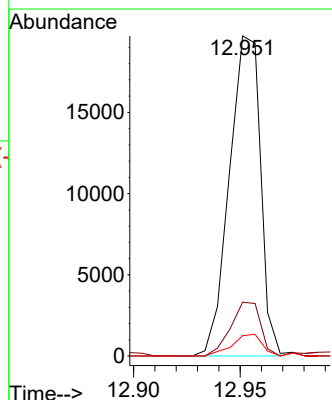
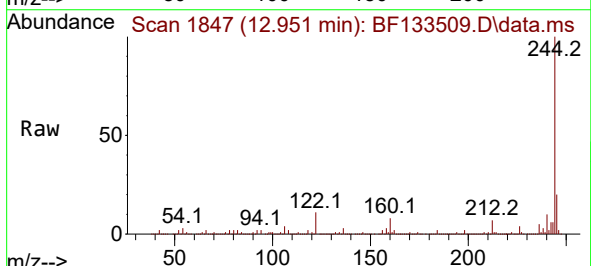
Tgt Ion:184 Resp: 20044

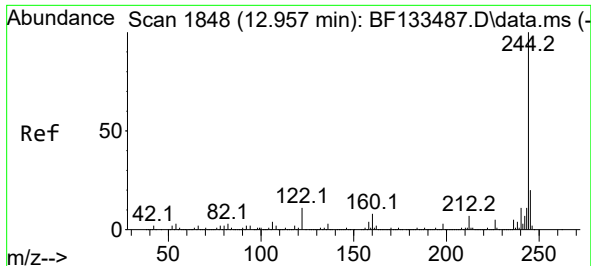
Ion Ratio Lower Upper

184 100

185 16.8 12.2 18.2

183 6.4 8.7 13.1#

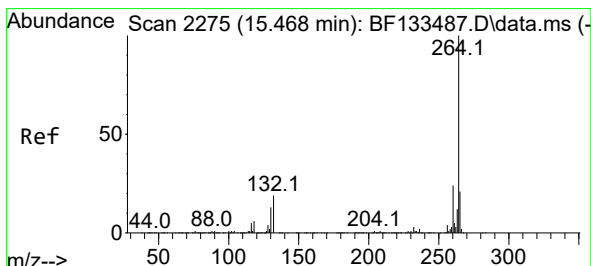
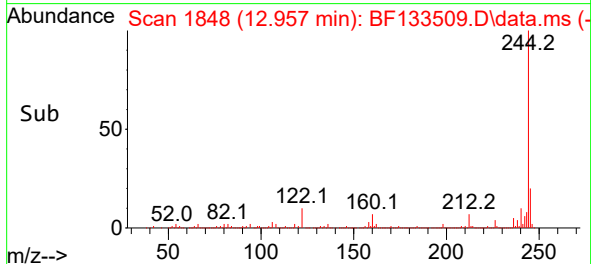
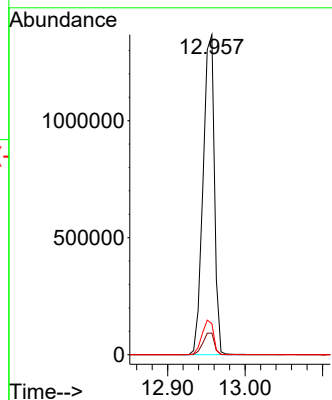
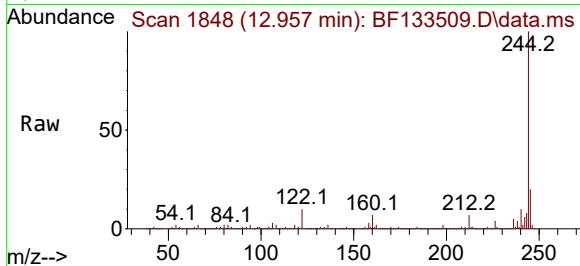




#79
 Terphenyl-d14
 Concen: 74.047 ng
 RT: 12.957 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133509.D
 Acq: 26 May 2023 20:34

Instrument :
 BNA_F
 ClientSampleId :
 TWP02

Tgt Ion:244 Resp: 1387580
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 9.7 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 2274
 Delta R.T. -0.006 min
 Lab File: BF133509.D
 Acq: 26 May 2023 20:34

Tgt Ion:264 Resp: 277178
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.4
 265 21.6 16.8 25.2

