

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133507.D
 Acq On : 26 May 2023 19:30
 Operator : CG\JU
 Sample : 02945-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP04

Quant Time: May 27 01:11:28 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)

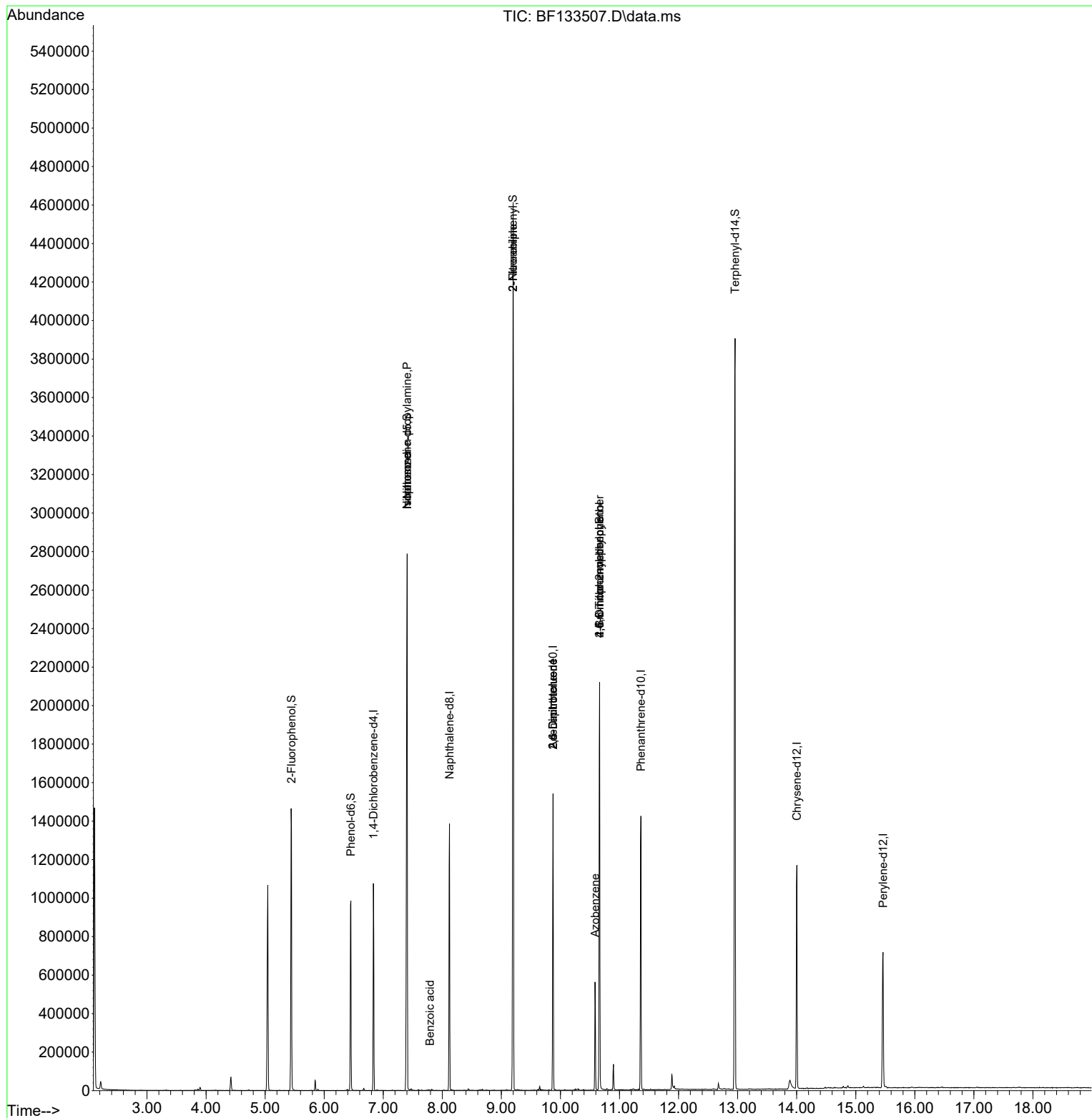
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	146083	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	558602	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	272313	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	509495	20.000	ng	0.00
76) Chrysene-d12	14.004	240	385453	20.000	ng	0.00
86) Perylene-d12	15.463	264	320444	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	388421	44.363	ng	0.00
7) Phenol-d6	6.451	99	301449	27.969	ng	-0.01
23) Nitrobenzene-d5	7.404	82	855539	102.261	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	239565	88.255	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1468441	83.230	ng	0.00
79) Terphenyl-d14	12.957	244	1534943	70.803	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.451	77	443	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	118934	17.055	ng	# 79
25) Isophorone	7.404	82	854250	43.812	ng	# 65
32) Benzoic acid	7.792	122	397	7.411	ng	# 69
48) 2-Nitroaniline	9.198	65	2832	4.495	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	35313	12.642	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	35313	11.792	ng	# 15
63) Azobenzene	10.586	77	91025	4.577	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	580	8.939	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	14994	2.771	ng	# 1

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

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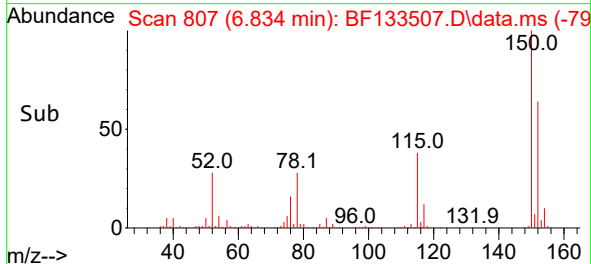
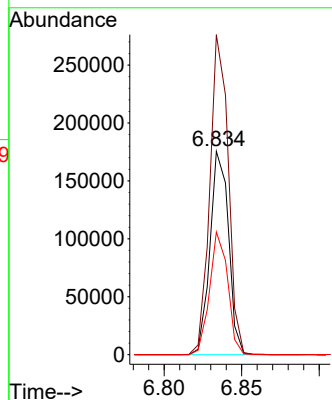
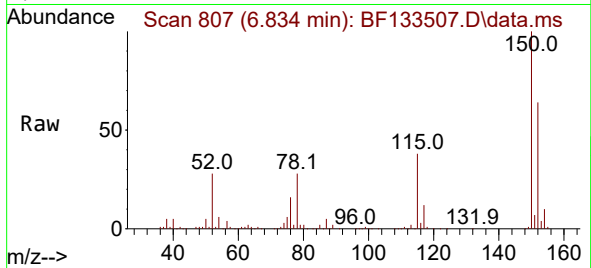




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

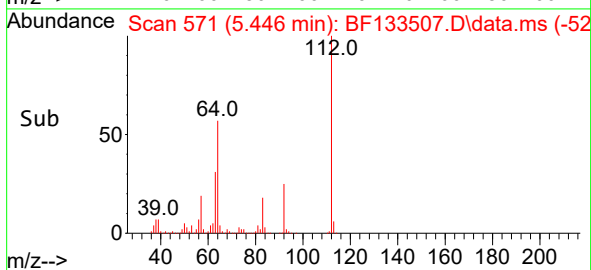
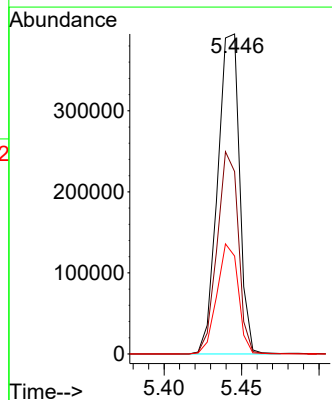
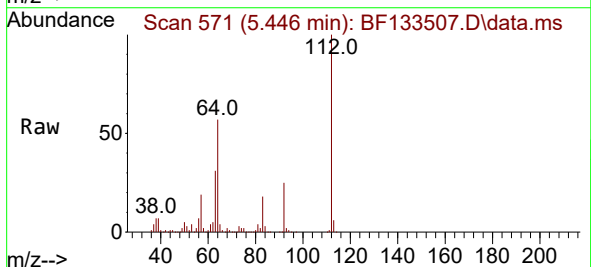
Instrument :
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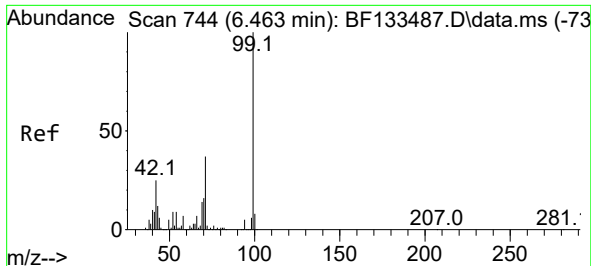
Tgt Ion:152 Resp: 146083
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 60.3 48.1 72.1



#5
2-Fluorophenol
Concen: 44.363 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

Tgt Ion:112 Resp: 388421
Ion Ratio Lower Upper
112 100
64 57.0 50.1 75.1
63 30.6 27.5 41.3

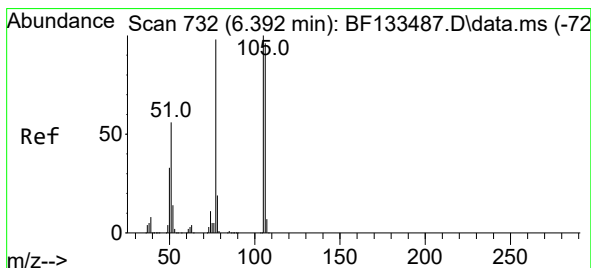
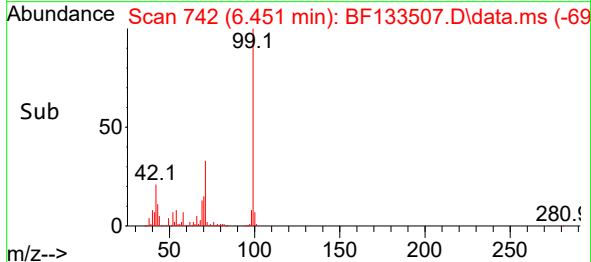
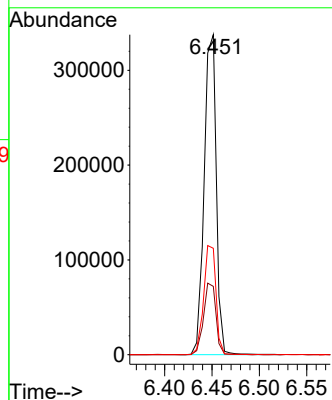
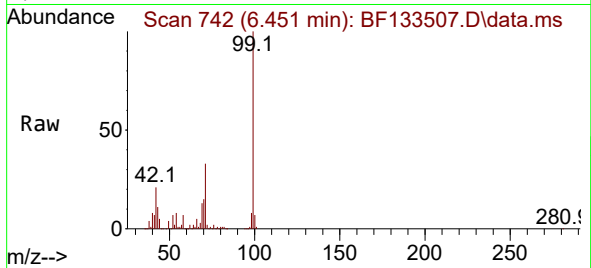




#7
Phenol-d6
Concen: 27.969 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

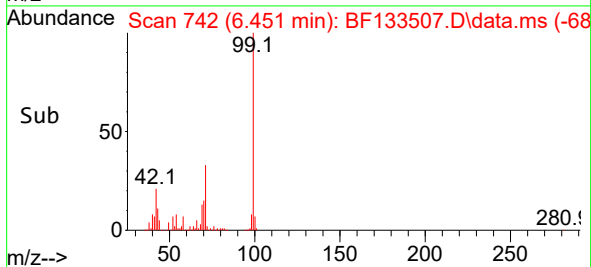
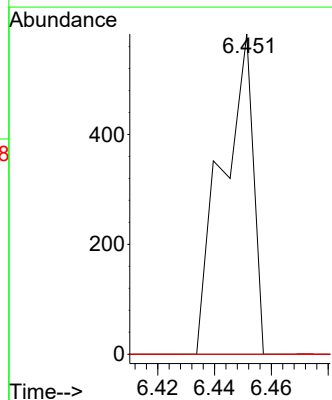
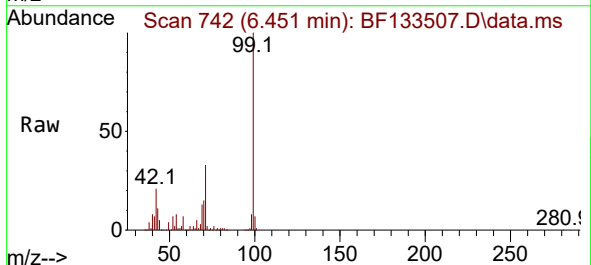
Instrument :
BNA_F
ClientSampleId :
TWP04

Tgt Ion: 99 Resp: 301449
Ion Ratio Lower Upper
99 100
42 21.4 19.7 29.5
71 33.3 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.451 min Scan# 742
Delta R.T. 0.059 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

Tgt Ion: 77 Resp: 443
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

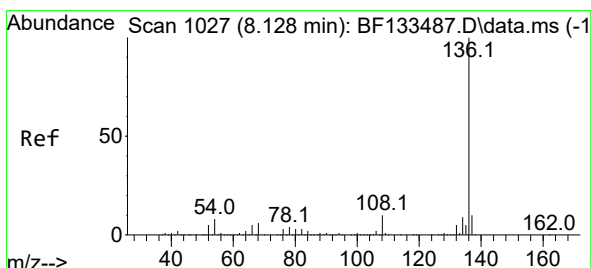
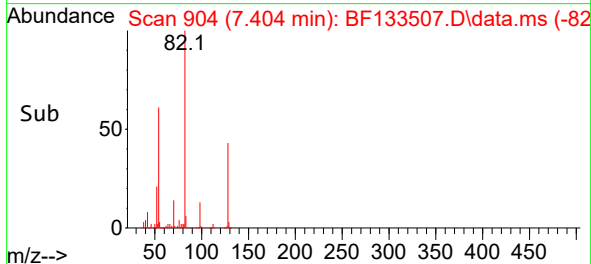
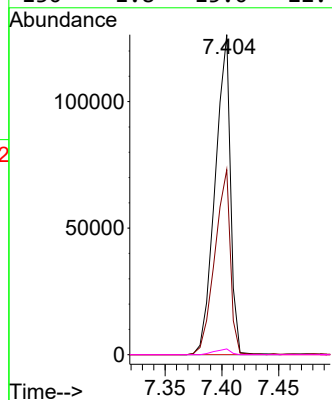
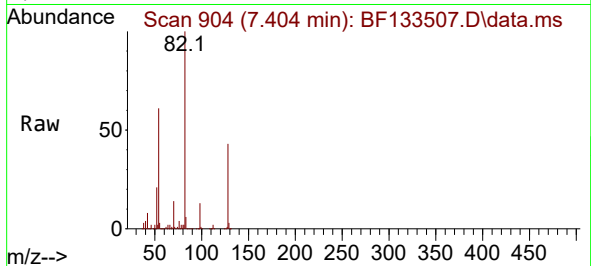




#19
n-Nitroso-di-n-propylamine
Concen: 17.055 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

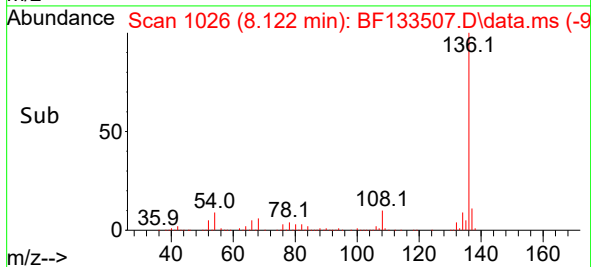
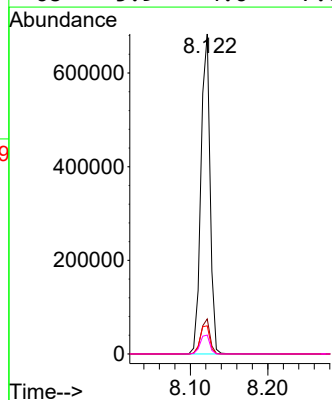
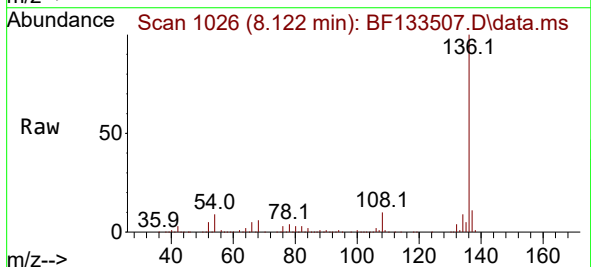
Instrument :
BNA_F
ClientSampleId :
TWP04

Tgt Ion: 70 Resp: 118934
Ion Ratio Lower Upper
70 100
42 57.8 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: BF133507.D
Acq: 26 May 2023 19:30

Tgt Ion: 136 Resp: 558602
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 8.8 6.6 10.0
68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 102.261 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF133507.D

Acq: 26 May 2023 19:30

Instrument :

BNA_F

ClientSampleId :

TWP04

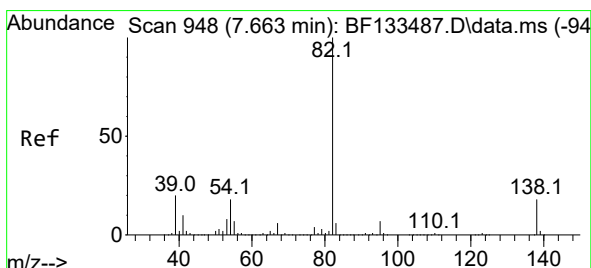
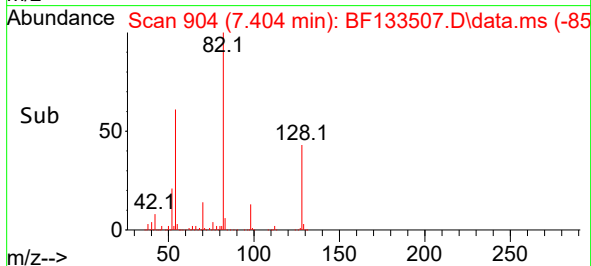
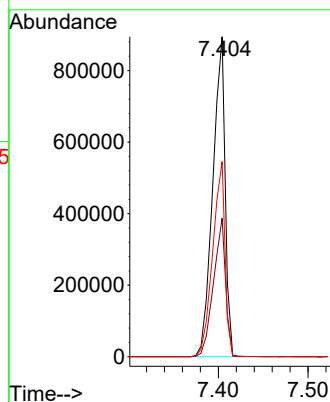
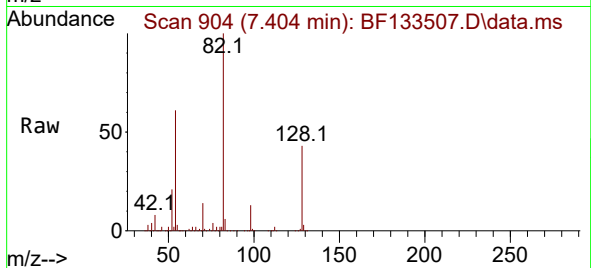
Tgt Ion: 82 Resp: 855539

Ion Ratio Lower Upper

82 100

128 43.3 34.2 51.4

54 61.0 48.2 72.4



#25

Isophorone

Concen: 43.812 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF133507.D

Acq: 26 May 2023 19:30

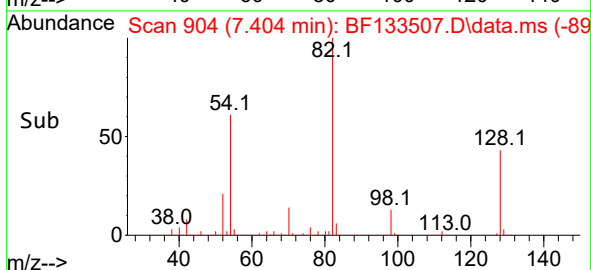
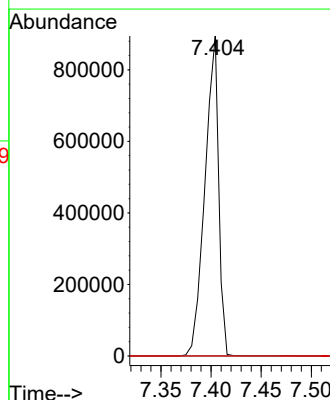
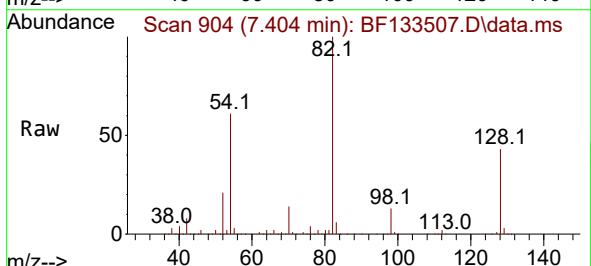
Tgt Ion: 82 Resp: 854250

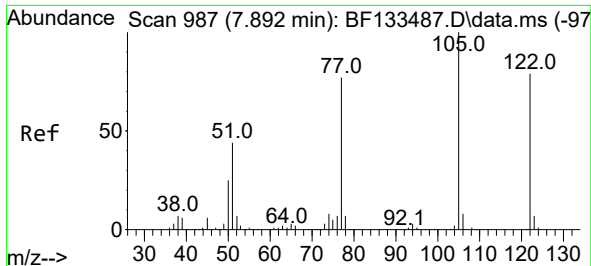
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

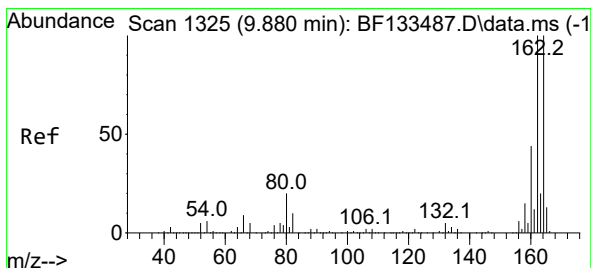
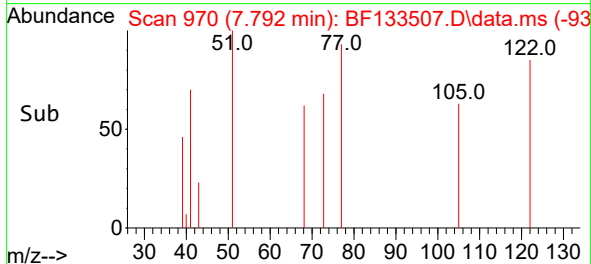
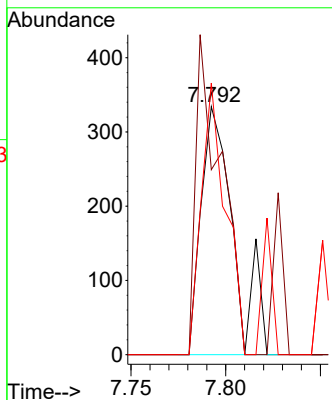
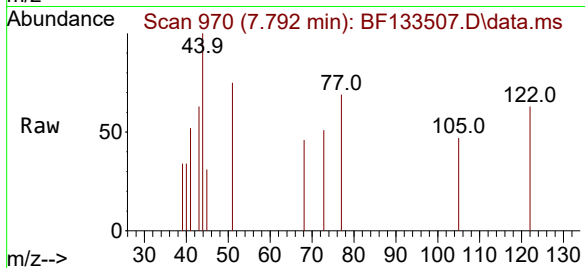




#32
Benzoic acid
Concen: 7.411 ng
RT: 7.792 min Scan# 91
Delta R.T. -0.100 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

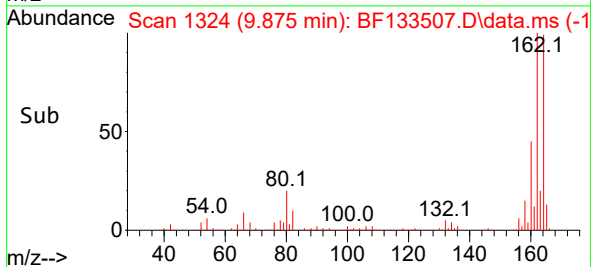
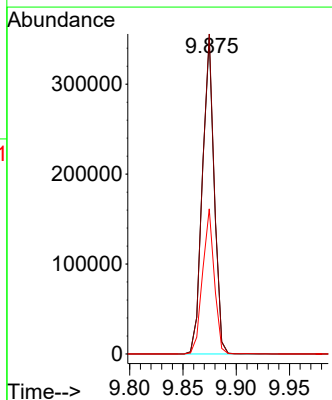
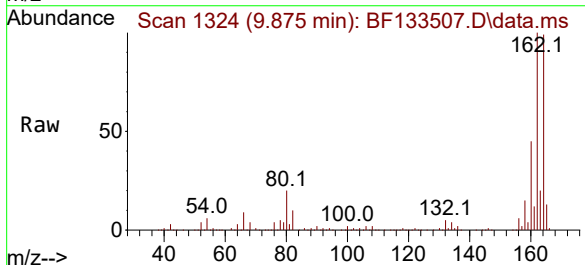
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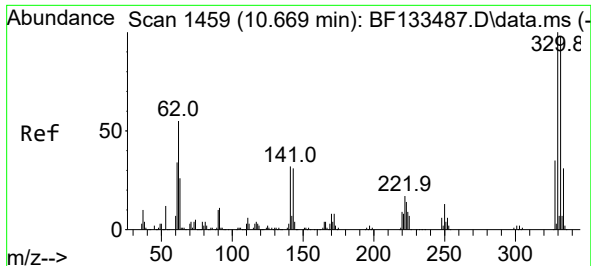
Tgt Ion:122 Resp: 397
Ion Ratio Lower Upper
122 100
105 74.6 103.3 143.3#
77 109.6 75.7 115.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

Tgt Ion:164 Resp: 272313
Ion Ratio Lower Upper
164 100
162 101.5 79.7 119.5
160 46.0 35.4 53.0

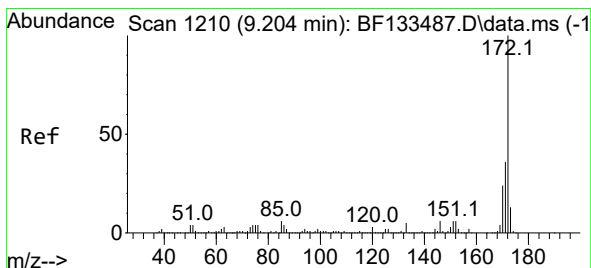
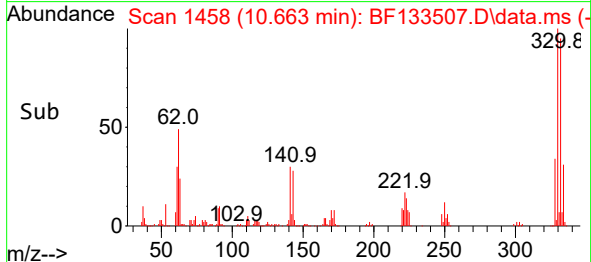
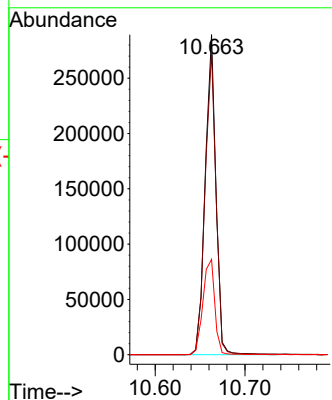
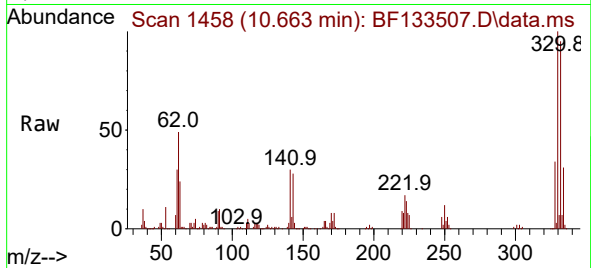




#42
2,4,6-Tribromophenol
Concen: 88.255 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

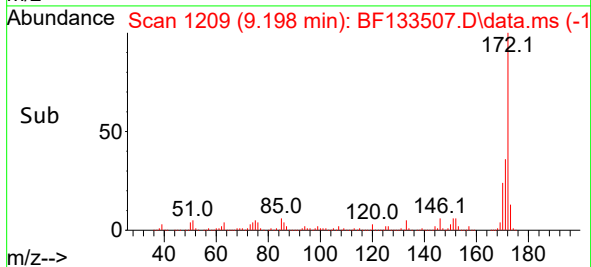
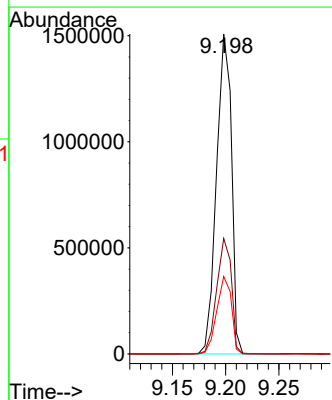
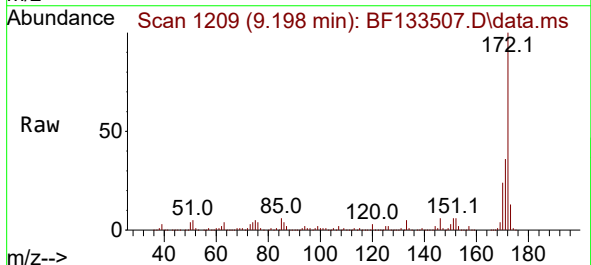
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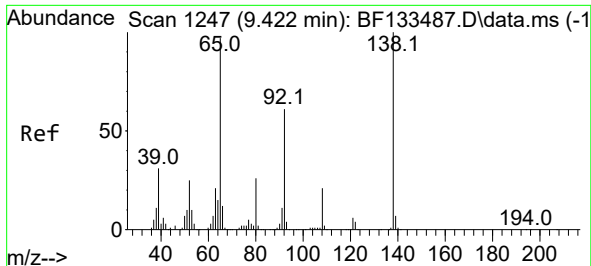
Tgt Ion: 330 Resp: 239565
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.6
141 32.9 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 83.230 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

Tgt Ion: 172 Resp: 1468441
Ion Ratio Lower Upper
172 100
171 36.1 28.4 42.6
170 24.2 19.3 28.9

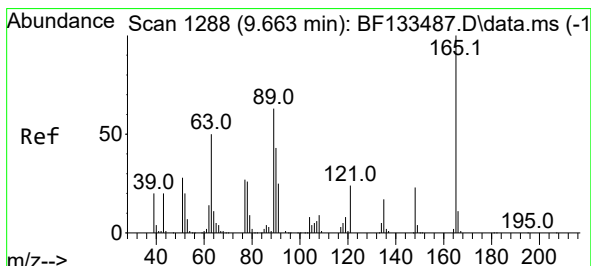
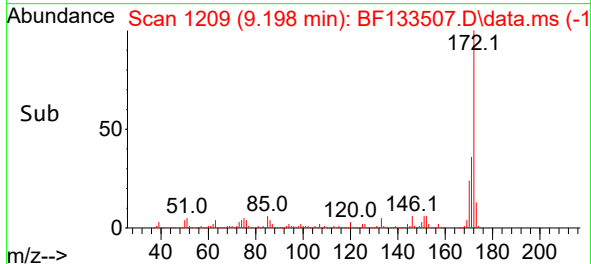
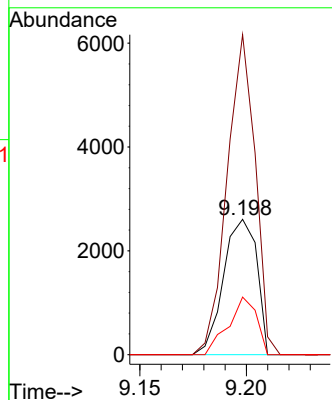
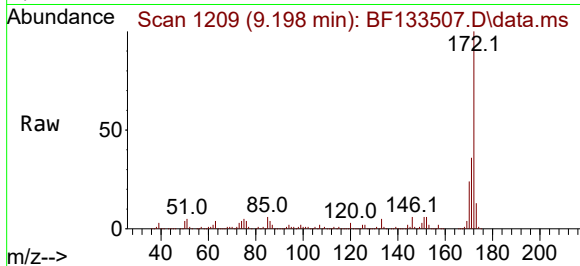




#48
2-Nitroaniline
Concen: 4.495 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

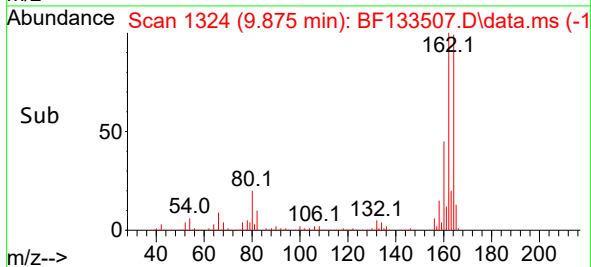
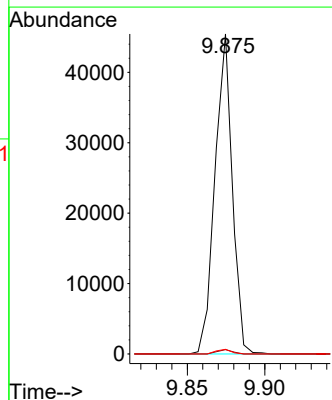
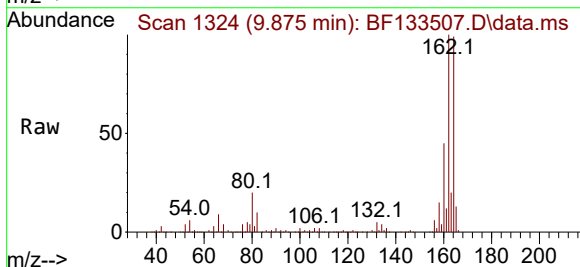
Instrument :
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TWP04

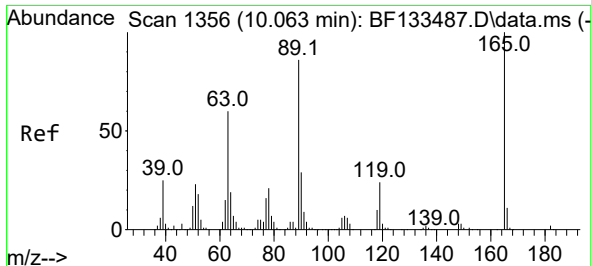
Tgt Ion: 65 Resp: 2832
Ion Ratio Lower Upper
65 100
92 236.5 50.8 76.2#
138 42.6 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.642 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

Tgt Ion: 165 Resp: 35313
Ion Ratio Lower Upper
165 100
63 1.3 57.0 85.4#
89 1.5 50.8 76.2#

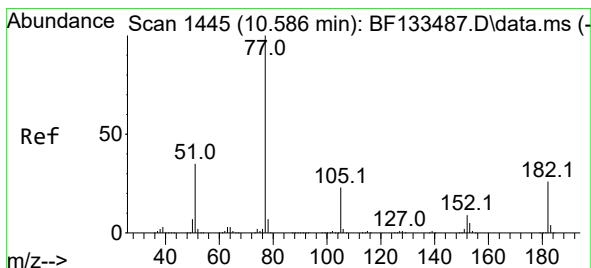
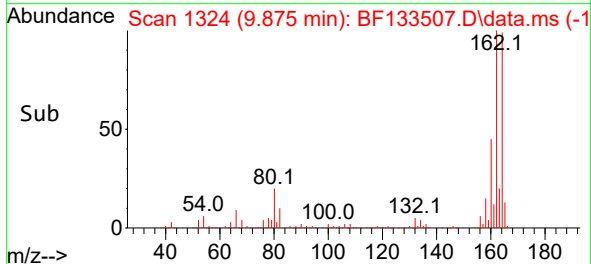
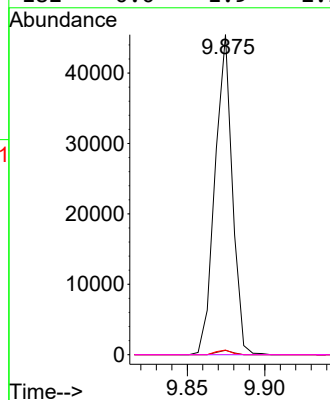
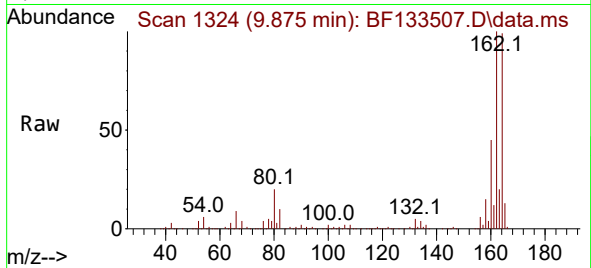




#57
2,4-Dinitrotoluene
Concen: 11.792 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

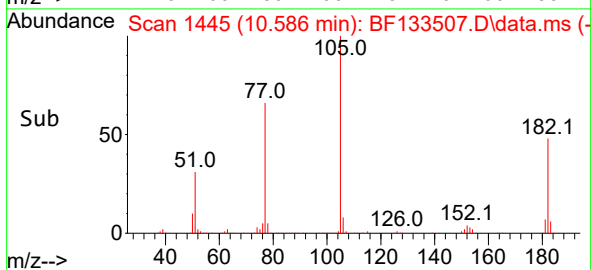
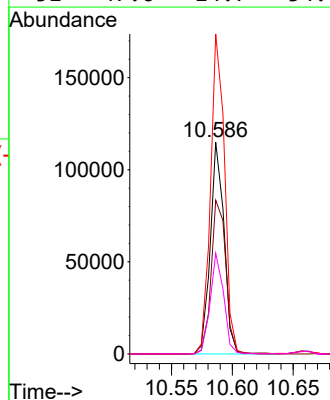
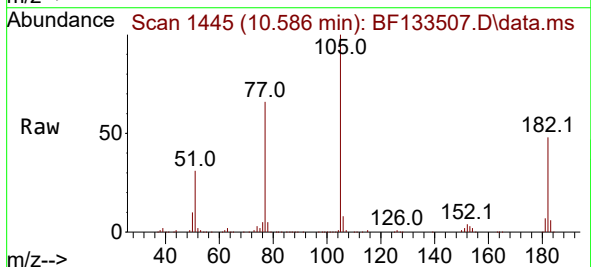
Instrument :
BNA_F
ClientSampleId :
TWP04

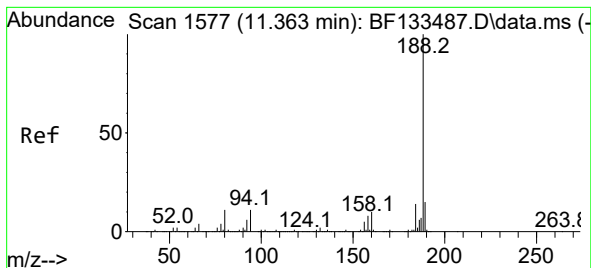
Tgt Ion:165 Resp: 35313
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 4.577 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

Tgt Ion: 77 Resp: 91025
Ion Ratio Lower Upper
77 100
182 72.7 5.6 45.6#
105 151.2 2.6 42.6#
51 47.6 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133507.D

Acq: 26 May 2023 19:30

Instrument :

BNA_F

ClientSampleId :

TWP04

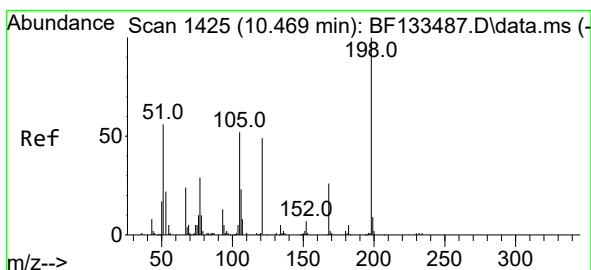
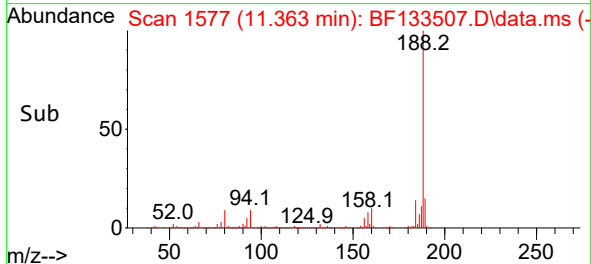
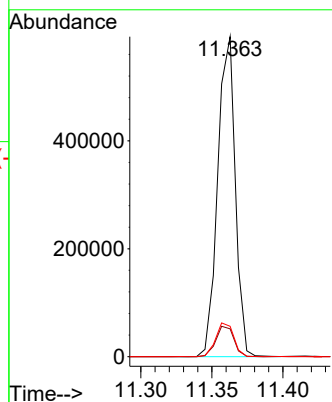
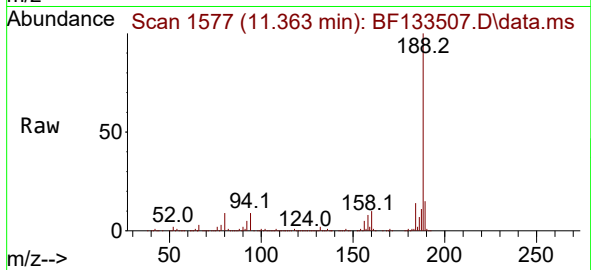
Tgt Ion:188 Resp: 509495

Ion Ratio Lower Upper

188 100

94 8.7 8.6 12.8

80 9.5 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.939 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.194 min

Lab File: BF133507.D

Acq: 26 May 2023 19:30

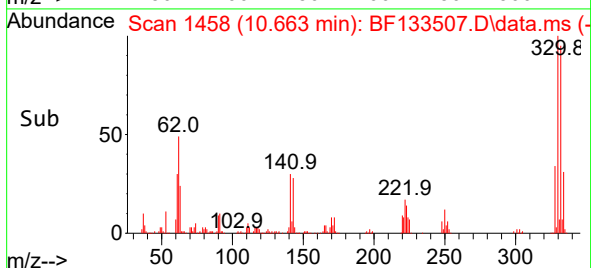
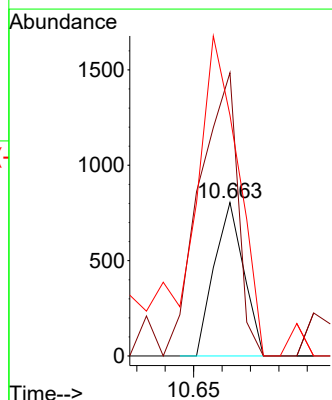
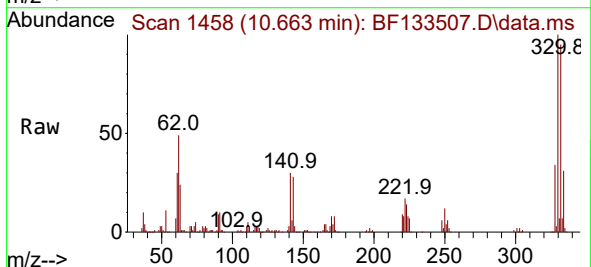
Tgt Ion:198 Resp: 580

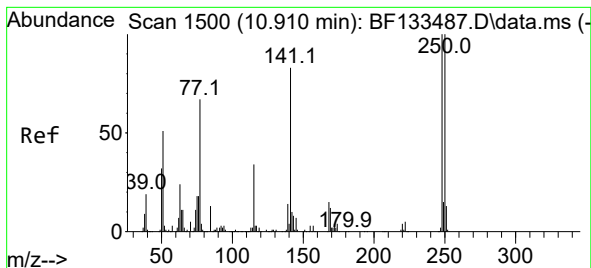
Ion Ratio Lower Upper

198 100

51 184.5 53.6 93.6#

105 156.9 35.9 75.9#

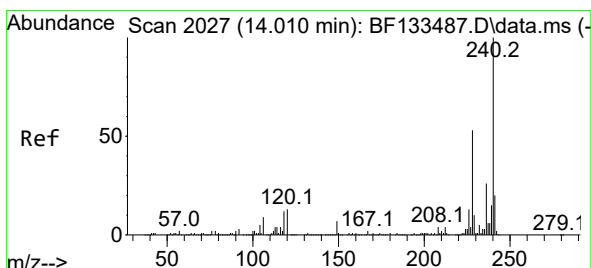
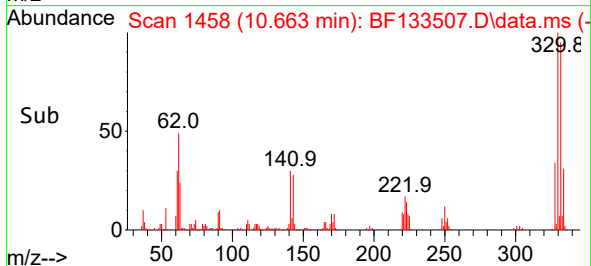
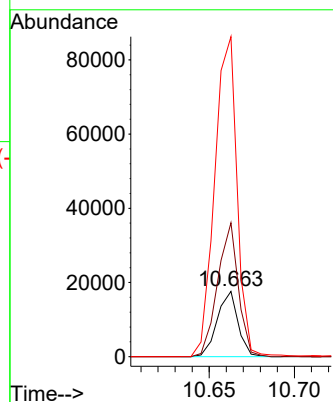
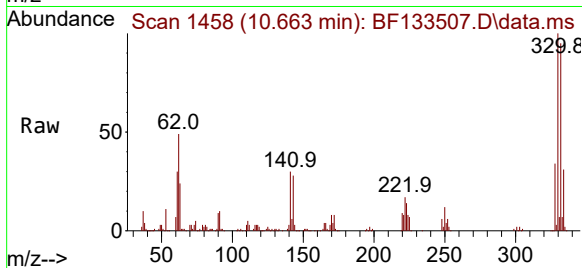




#67
4-Bromophenyl-phenylether
Concen: 2.771 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

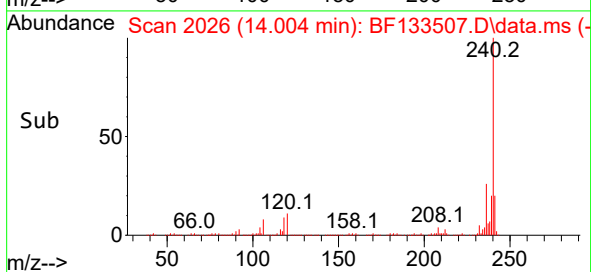
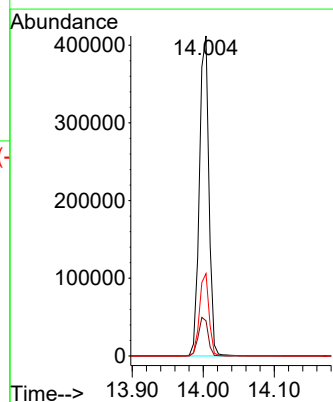
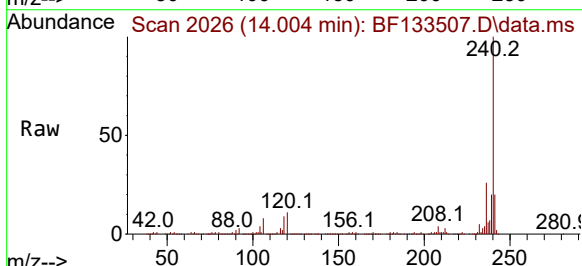
Instrument :
BNA_F
ClientSampleId :
TWP04

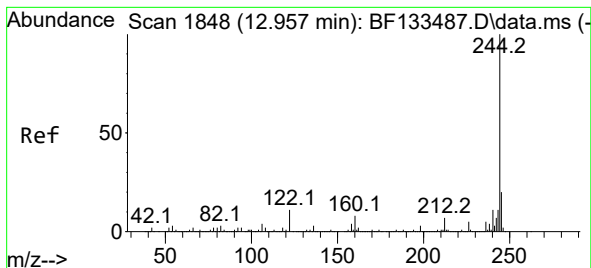
Tgt Ion:248 Resp: 14994
Ion Ratio Lower Upper
248 100
250 205.2 79.7 119.5#
141 490.1 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133507.D
Acq: 26 May 2023 19:30

Tgt Ion:240 Resp: 385453
Ion Ratio Lower Upper
240 100
120 11.0 10.3 15.5
236 25.8 20.5 30.7





#79

Terphenyl-d14

Concen: 70.803 ng

RT: 12.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133507.D

Acq: 26 May 2023 19:30

Instrument :

BNA_F

ClientSampleId :

TWP04

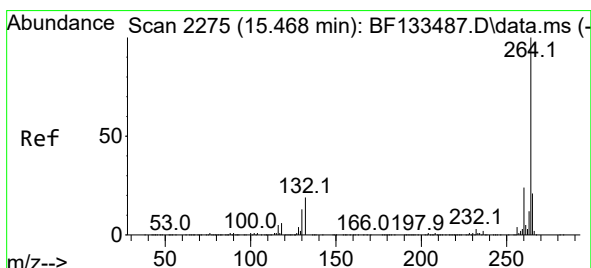
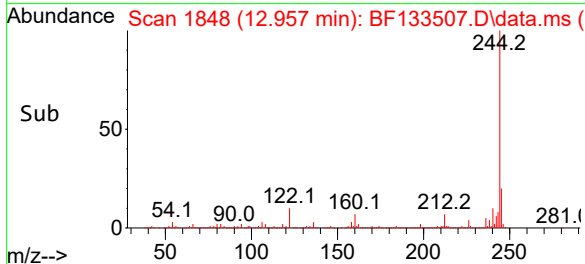
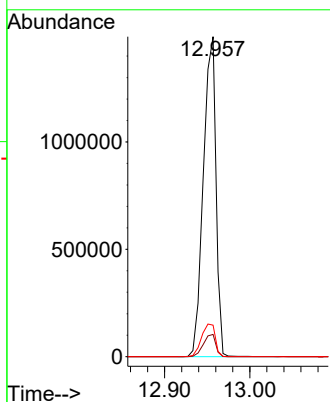
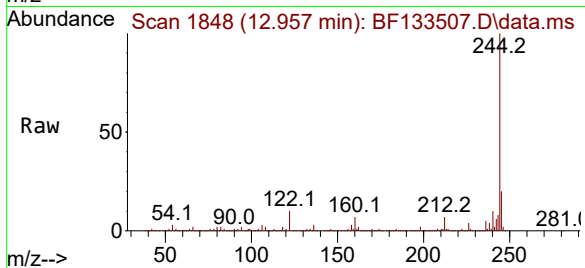
Tgt Ion:244 Resp: 1534943

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 9.8 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: BF133507.D

Acq: 26 May 2023 19:30

Tgt Ion:264 Resp: 320444

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.3 16.8 25.2

