

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133547.D
 Acq On : 31 May 2023 19:26
 Operator : CG\JU
 Sample : 02972-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-0A

Quant Time: Jun 01 02:04:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

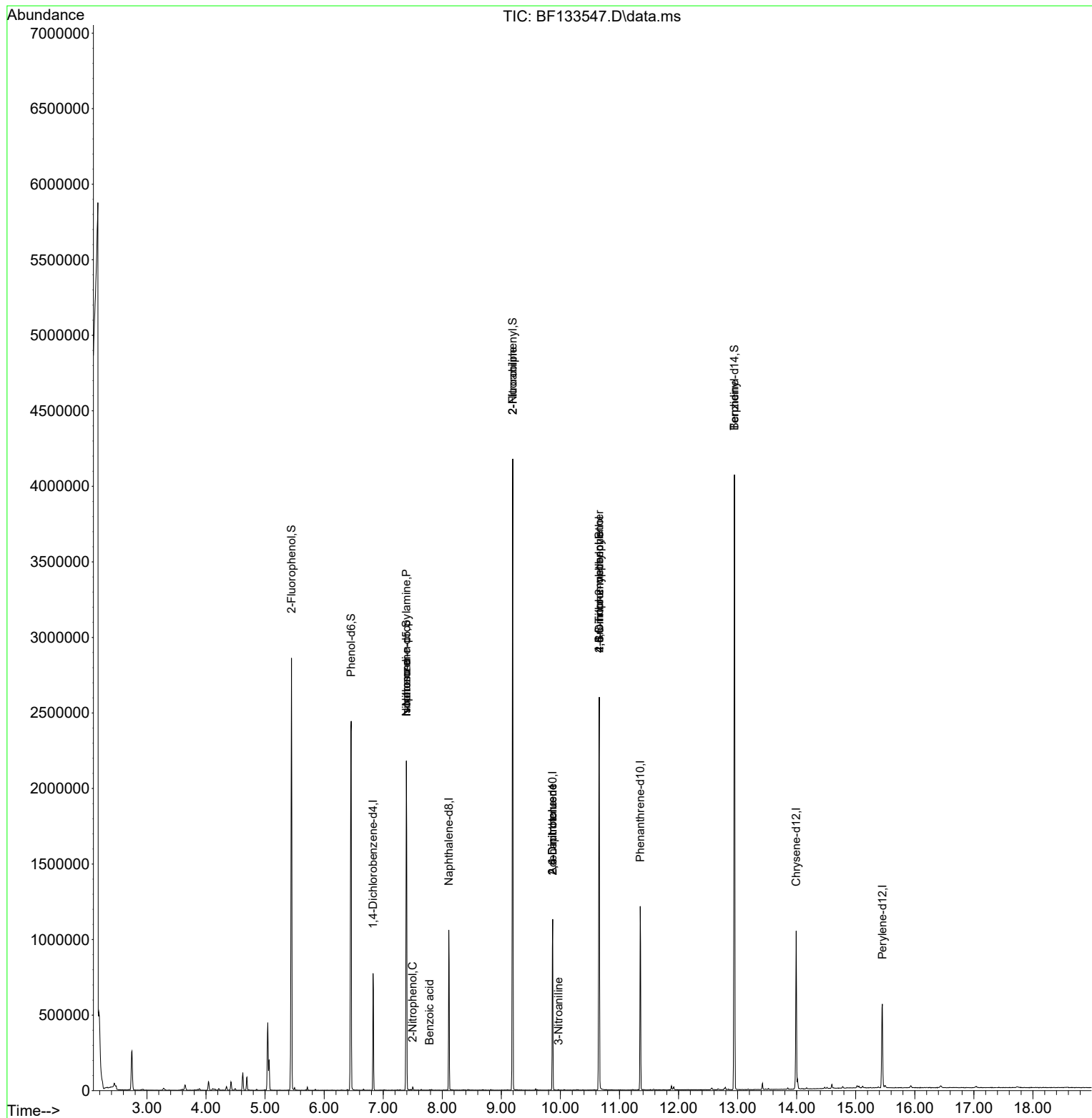
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	107619	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	419116	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	211168	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	427126	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	310631	20.000	ng	-0.01
86) Perylene-d12	15.451	264	256796	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	775323	120.202	ng	0.00
7) Phenol-d6	6.457	99	864797	108.913	ng	0.00
23) Nitrobenzene-d5	7.392	82	659596	105.079	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	306029	145.385	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1193944	87.266	ng	0.00
79) Terphenyl-d14	12.945	244	1539340	88.108	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	136	Below Cal	#	38
19) n-Nitroso-di-n-propyla...	7.392	70	92398	17.985	ng	# 80
25) Isophorone	7.392	82	659680	45.093	ng	# 65
26) 2-Nitrophenol	7.498	139	135	4.782	ng	# 33
32) Benzoic acid	7.787	122	1084	7.573	ng	# 92
48) 2-Nitroaniline	9.192	65	1905	4.428	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	26727	12.427	ng	# 18
53) 3-Nitroaniline	9.969	138	110	3.209	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	26727	11.623	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	655	9.019	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	19058	4.201	ng	# 1
77) Benzidine	12.945	184	21546	2.372	ng	# 93

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

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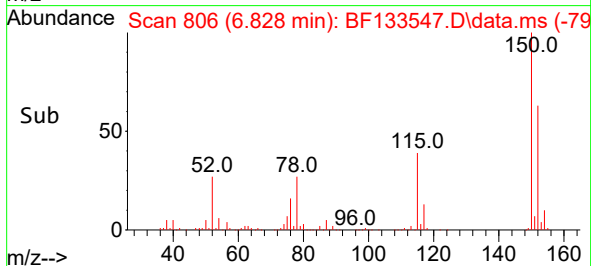
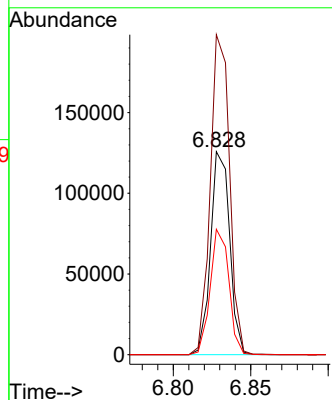
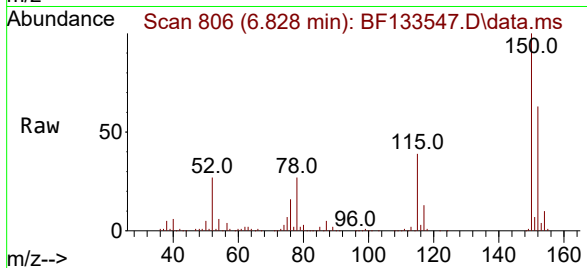




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

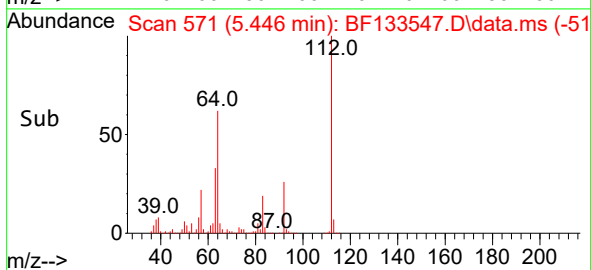
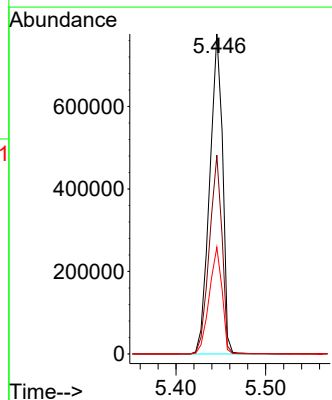
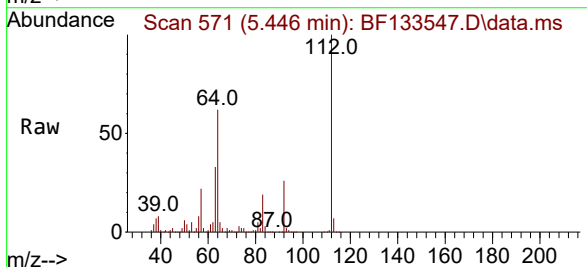
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

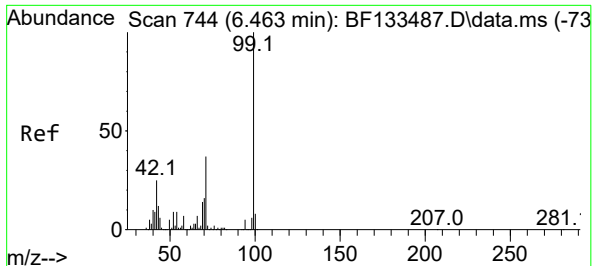
Tgt Ion:152 Resp: 107619
Ion Ratio Lower Upper
152 100
150 157.6 124.9 187.3
115 61.8 48.1 72.1



#5
2-Fluorophenol
Concen: 120.202 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

Tgt Ion:112 Resp: 775323
Ion Ratio Lower Upper
112 100
64 62.1 50.1 75.1
63 33.4 27.5 41.3

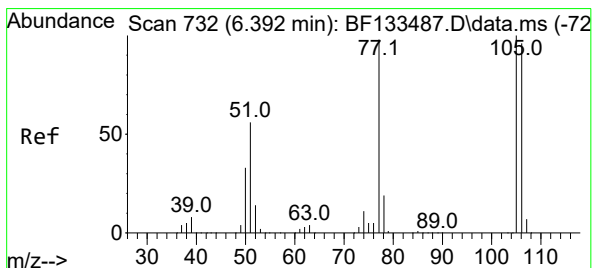
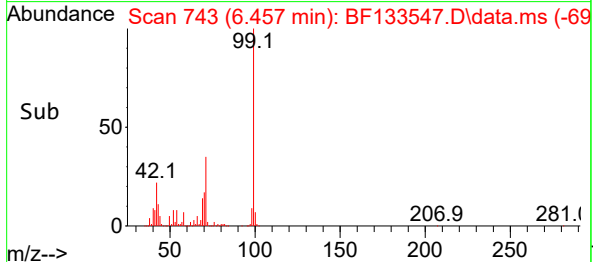
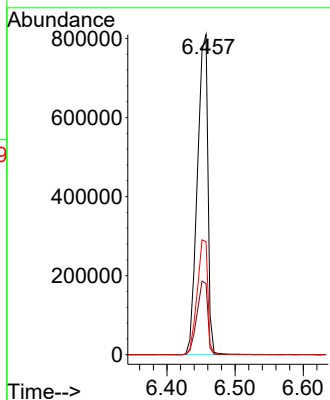
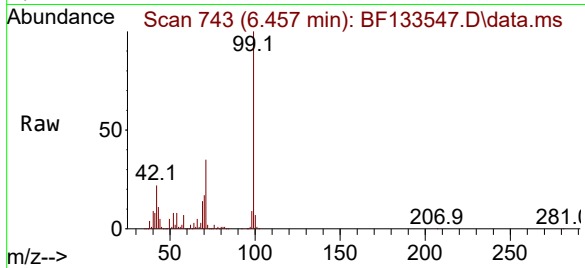




#7
Phenol-d6
Concen: 108.913 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

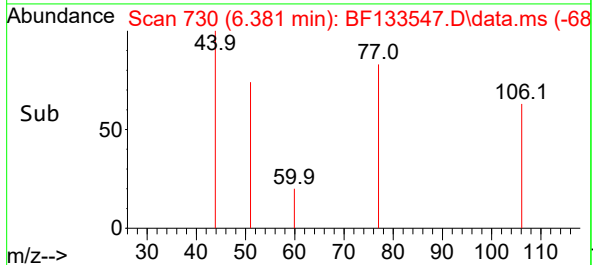
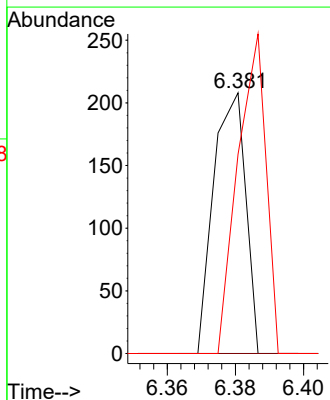
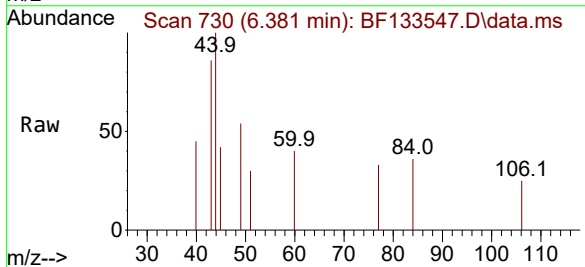
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

Tgt Ion: 99 Resp: 864797
Ion Ratio Lower Upper
99 100
42 22.2 19.7 29.5
71 35.3 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

Tgt Ion: 77 Resp: 136
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 76.4 77.8 117.8#

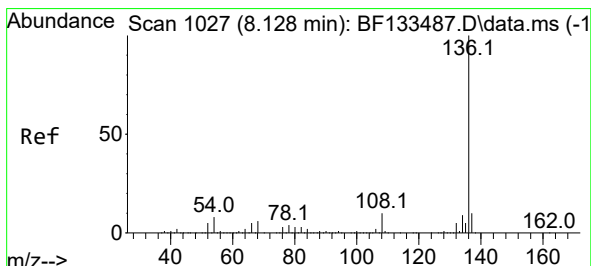
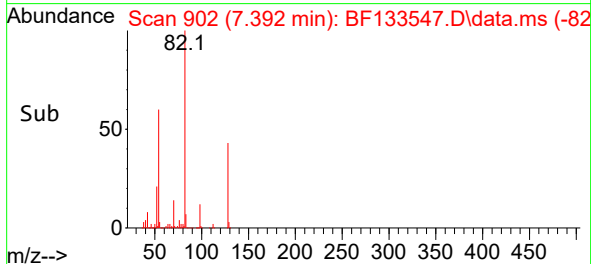
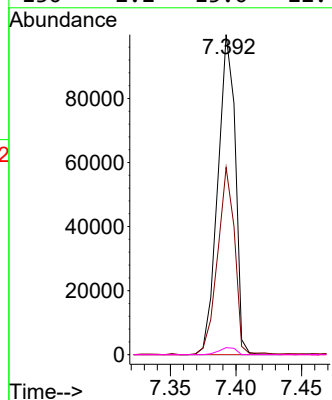
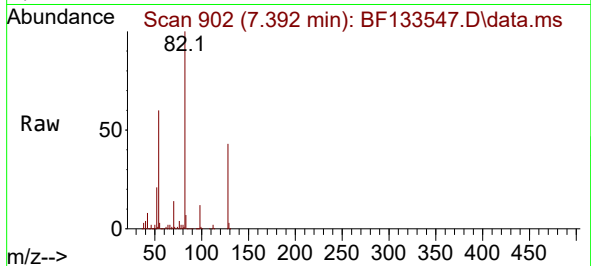




#19
n-Nitroso-di-n-propylamine
Concen: 17.985 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

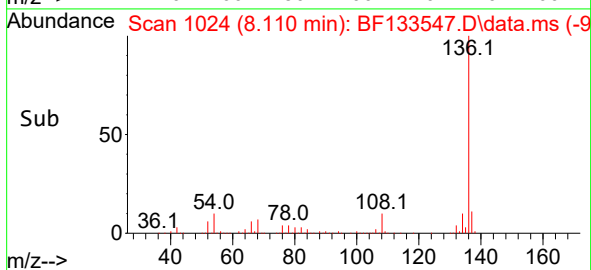
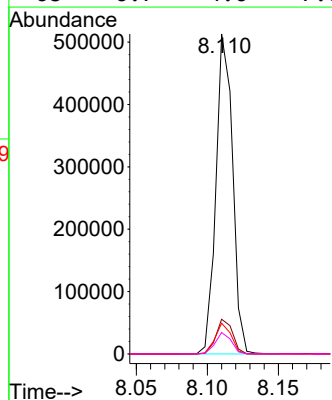
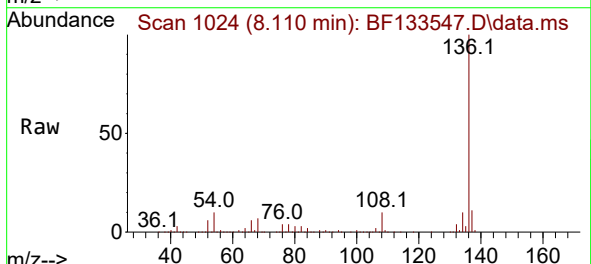
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

Tgt Ion: 70 Resp: 92398
Ion Ratio Lower Upper
70 100
42 58.5 57.2 85.8
101 0.0 7.3 10.9#
130 2.2 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

Tgt Ion: 136 Resp: 419116
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 9.6 6.6 10.0
68 6.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 105.079 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133547.D

Acq: 31 May 2023 19:26

Instrument :

BNA_F

ClientSampleId :

TP-12-0A

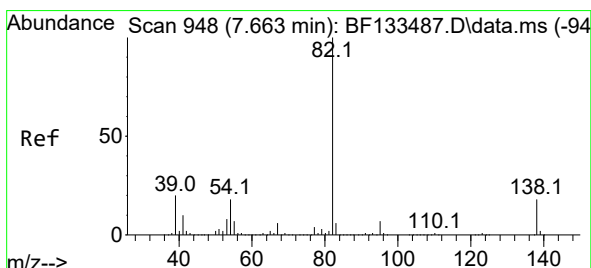
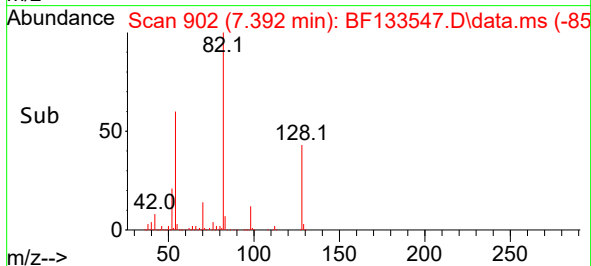
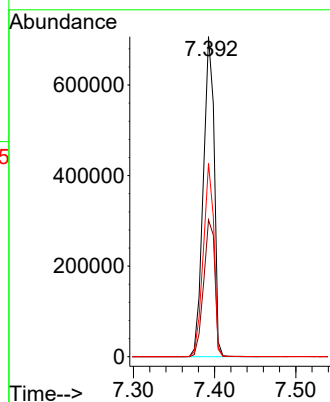
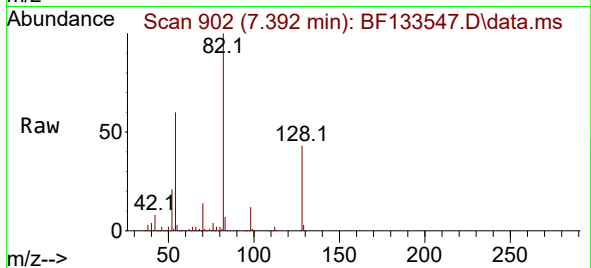
Tgt Ion: 82 Resp: 659596

Ion Ratio Lower Upper

82 100

128 42.8 34.2 51.4

54 60.4 48.2 72.4



#25

Isophorone

Concen: 45.093 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133547.D

Acq: 31 May 2023 19:26

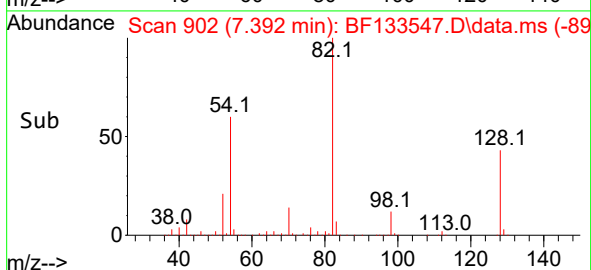
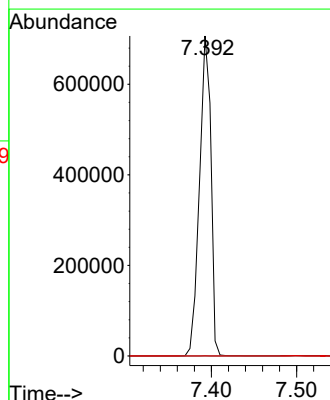
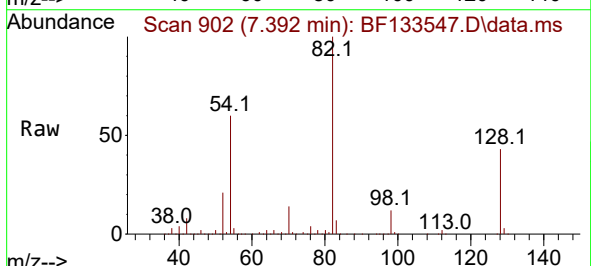
Tgt Ion: 82 Resp: 659680

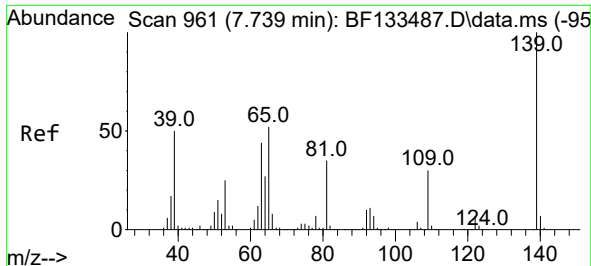
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

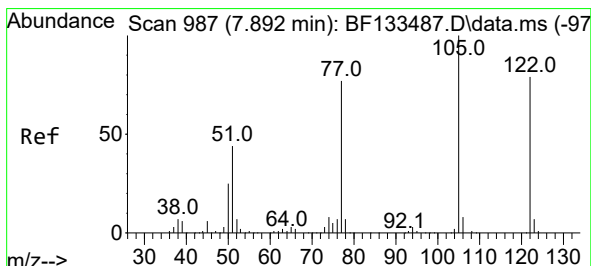
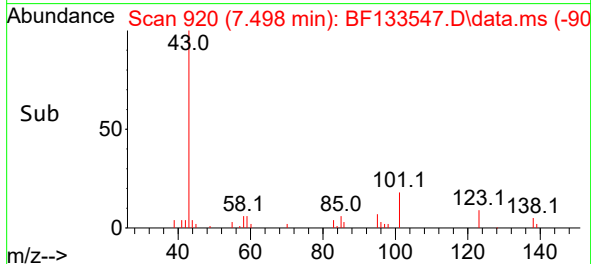
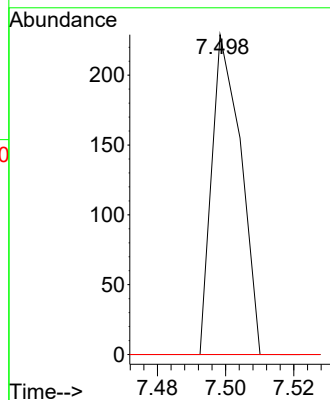
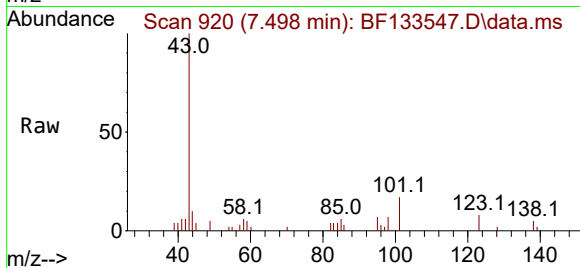




#26
2-Nitrophenol
Concen: 4.782 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.235 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

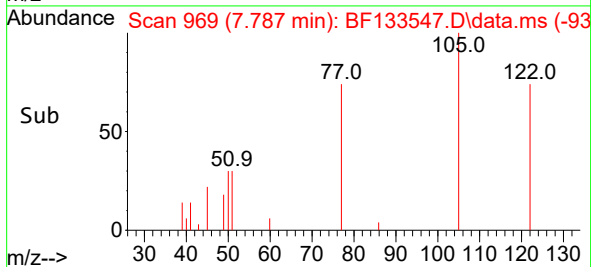
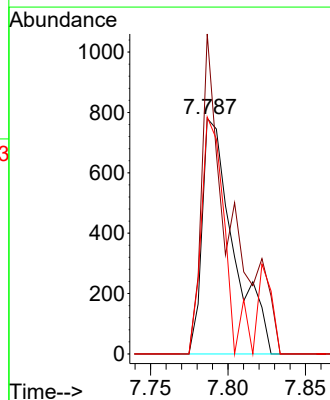
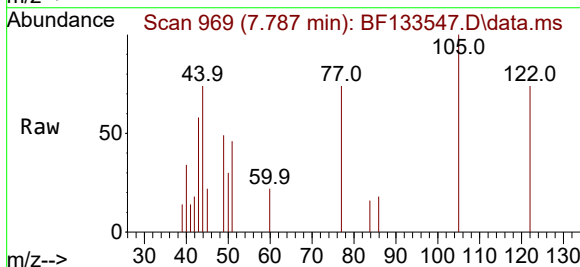
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

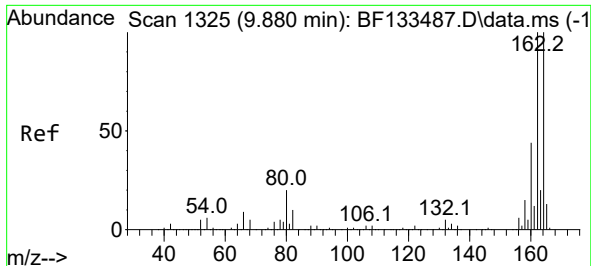
Tgt Ion:139 Resp: 135
Ion Ratio Lower Upper
139 100
109 0.0 24.0 36.0#
65 0.0 41.7 62.5#



#32
Benzoic acid
Concen: 7.573 ng
RT: 7.787 min Scan# 969
Delta R.T. -0.094 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

Tgt Ion:122 Resp: 1084
Ion Ratio Lower Upper
122 100
105 135.9 103.3 143.3
77 100.6 75.7 115.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133547.D

Acq: 31 May 2023 19:26

Instrument :

BNA_F

ClientSampleId :

TP-12-0A

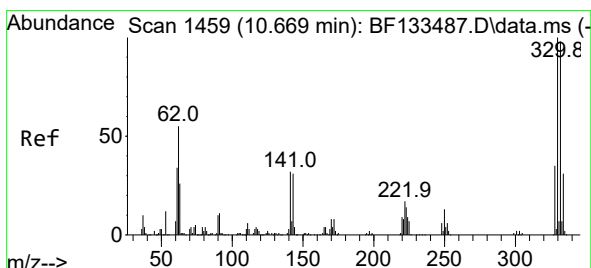
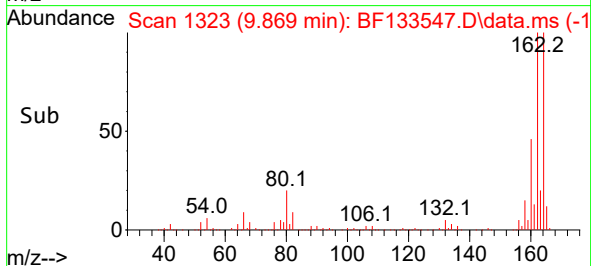
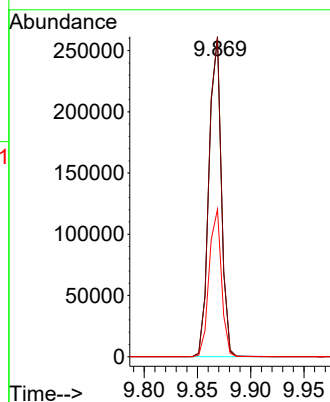
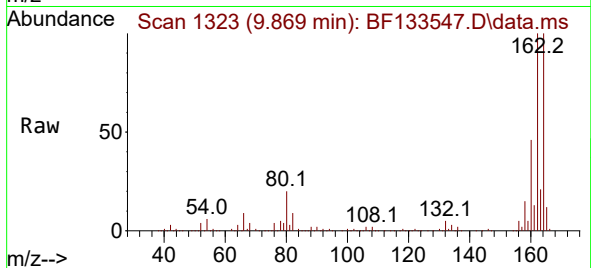
Tgt Ion:164 Resp: 211168

Ion Ratio Lower Upper

164 100

162 100.1 79.7 119.5

160 46.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 145.385 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133547.D

Acq: 31 May 2023 19:26

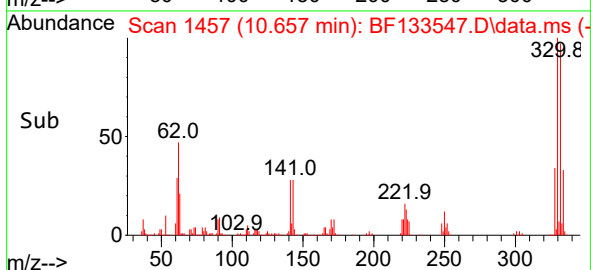
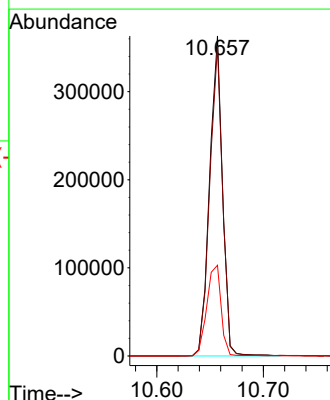
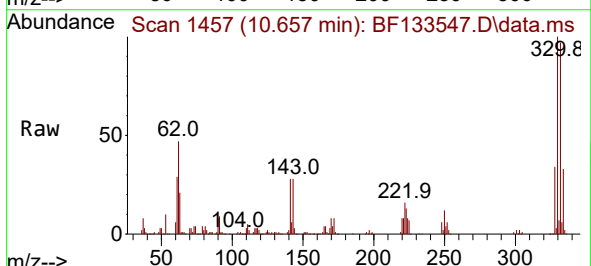
Tgt Ion:330 Resp: 306029

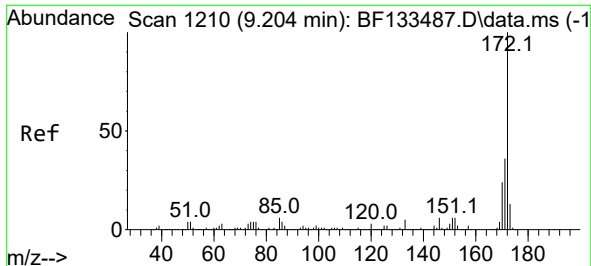
Ion Ratio Lower Upper

330 100

332 96.7 77.8 116.6

141 31.8 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 87.266 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133547.D

Acq: 31 May 2023 19:26

Instrument :

BNA_F

ClientSampleId :

TP-12-0A

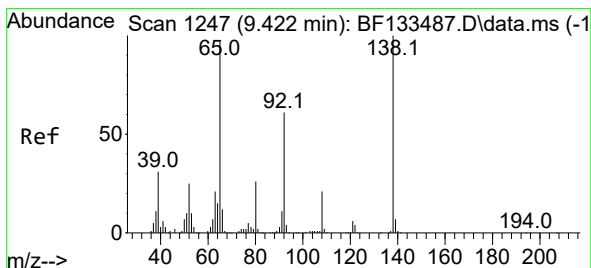
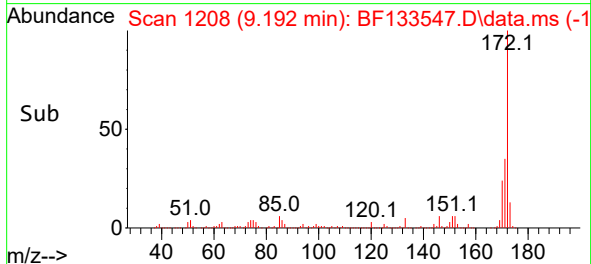
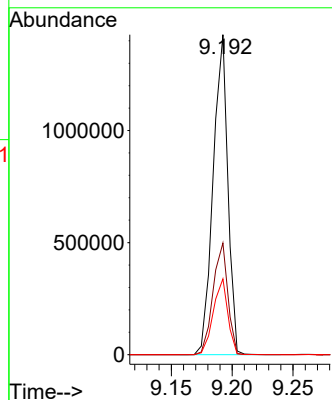
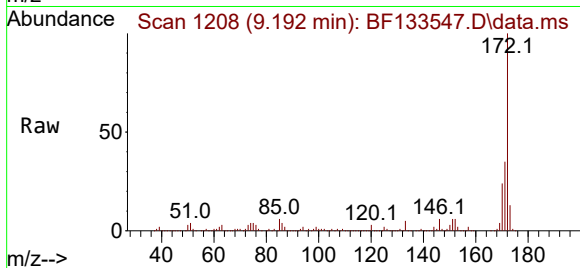
Tgt Ion:172 Resp: 1193944

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.7 19.3 28.9



#48

2-Nitroaniline

Concen: 4.428 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.224 min

Lab File: BF133547.D

Acq: 31 May 2023 19:26

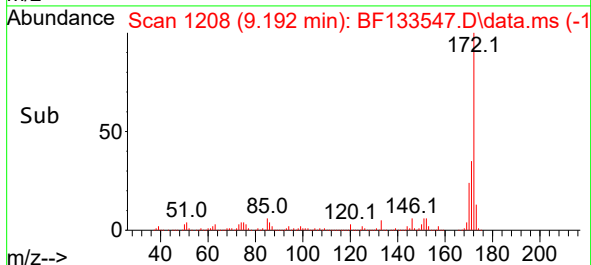
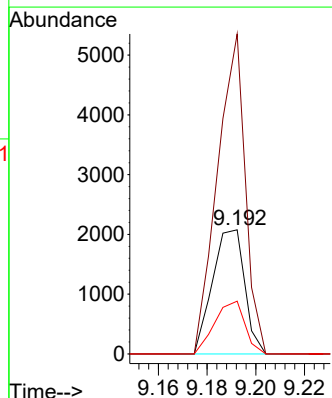
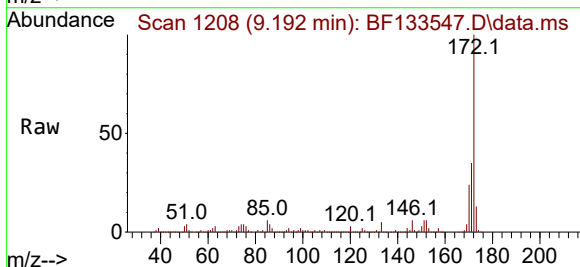
Tgt Ion: 65 Resp: 1905

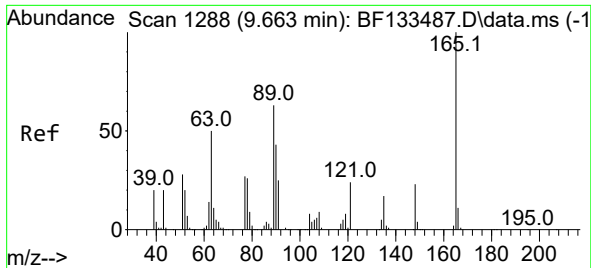
Ion Ratio Lower Upper

65 100

92 257.9 50.8 76.2#

138 42.5 82.6 124.0#

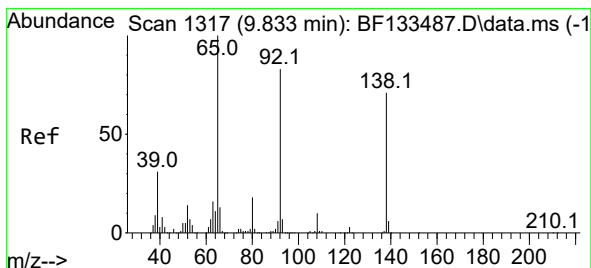
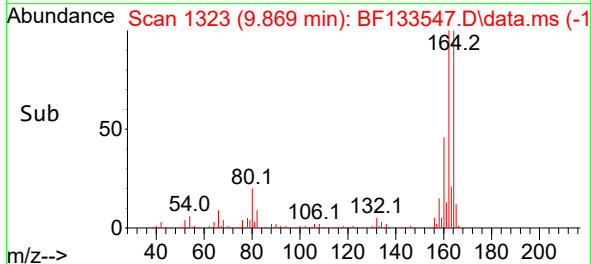
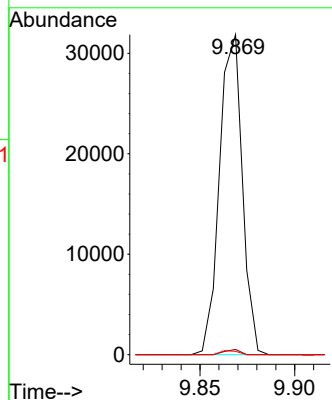
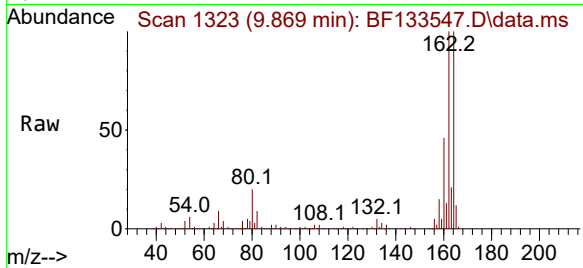




#51
2,6-Dinitrotoluene
Concen: 12.427 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

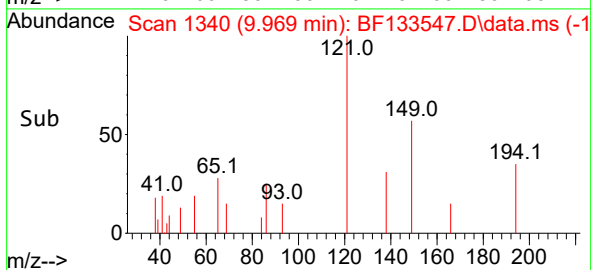
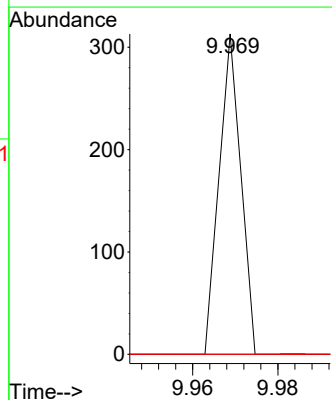
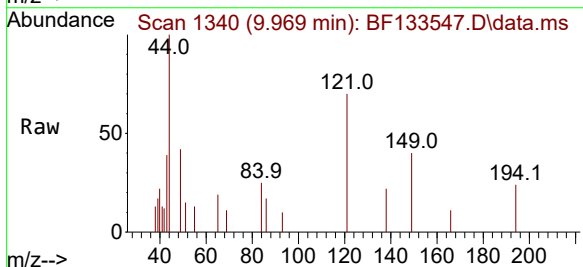
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

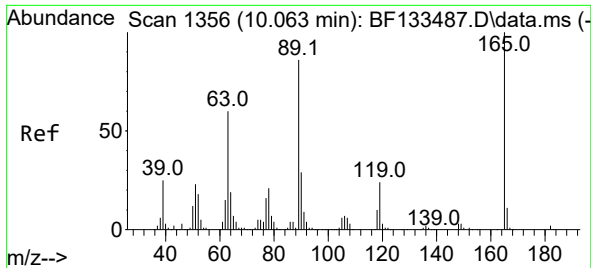
Tgt Ion:165 Resp: 26727
Ion Ratio Lower Upper
165 100
63 1.7 57.0 85.4#
89 1.0 50.8 76.2#



#53
3-Nitroaniline
Concen: 3.209 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.141 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

Tgt Ion:138 Resp: 110
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#

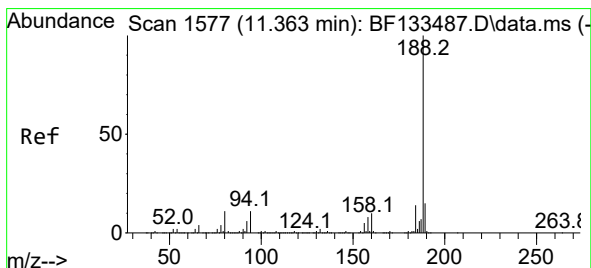
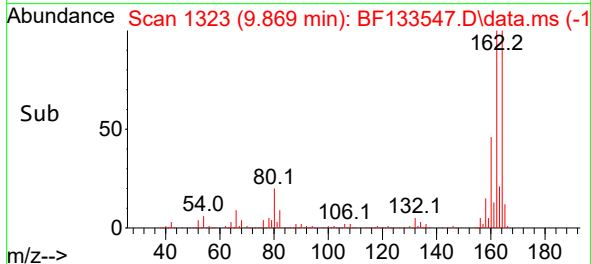
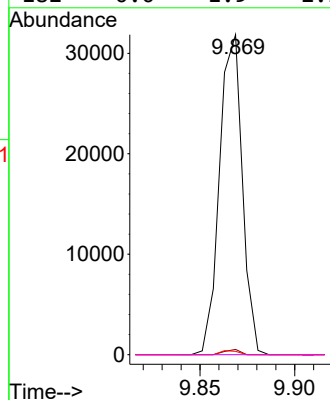
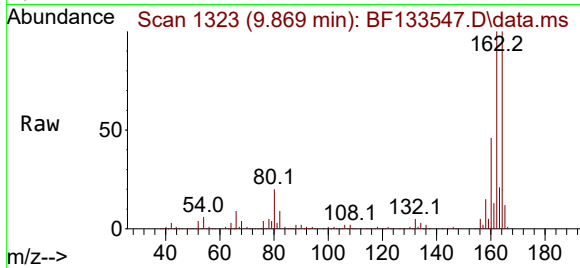




#57
2,4-Dinitrotoluene
Concen: 11.623 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

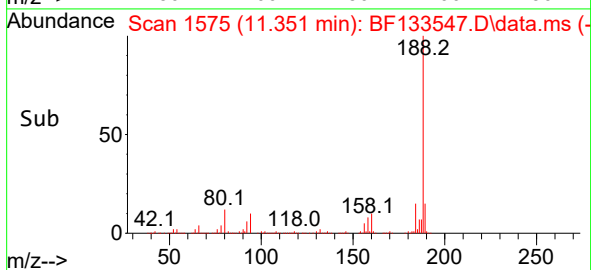
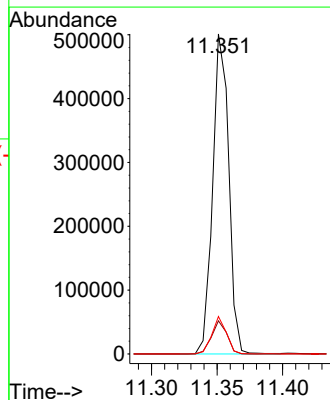
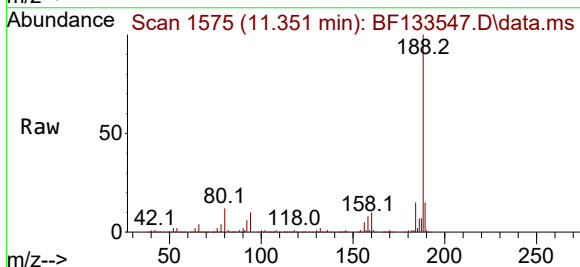
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

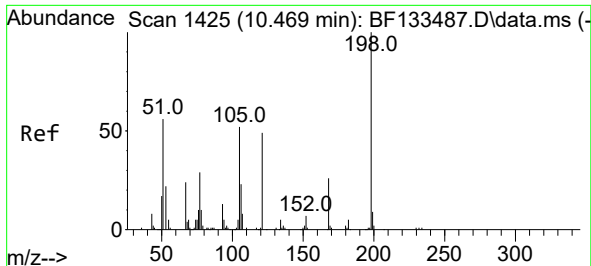
Tgt Ion:165 Resp: 26727
Ion Ratio Lower Upper
165 100
63 1.7 48.1 72.1#
89 1.0 68.4 102.6#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

Tgt Ion:188 Resp: 427126
Ion Ratio Lower Upper
188 100
94 10.3 8.6 12.8
80 11.7 9.2 13.8

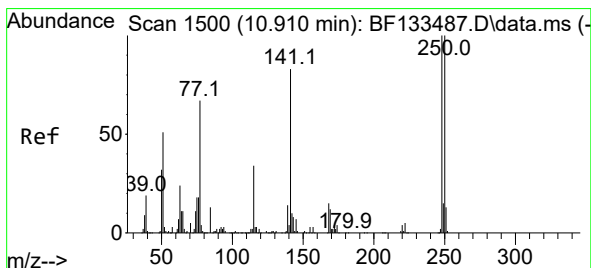
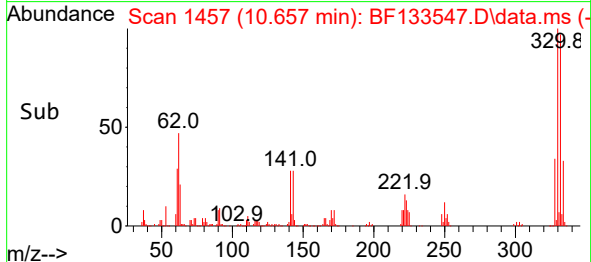
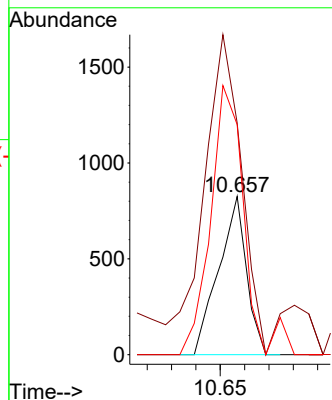
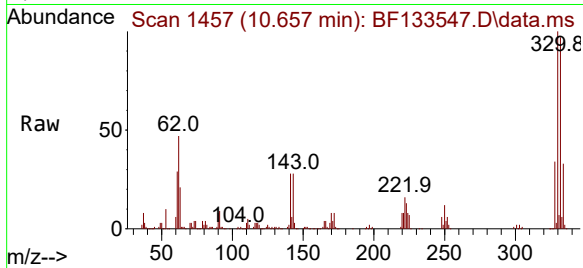




#65
4,6-Dinitro-2-methylphenol
Concen: 9.019 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

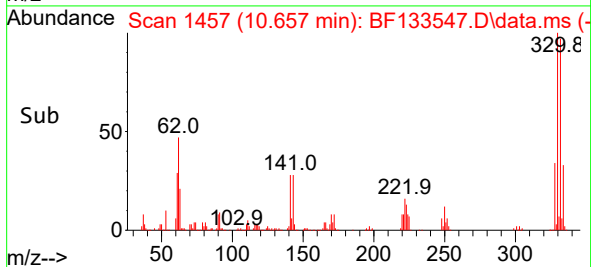
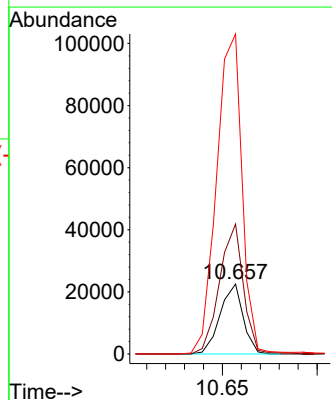
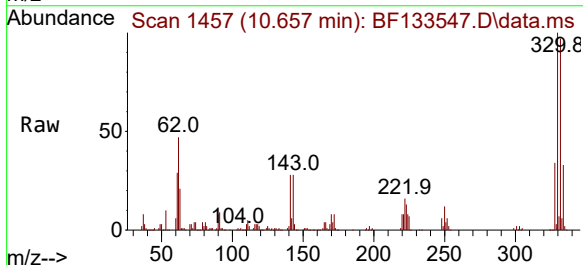
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

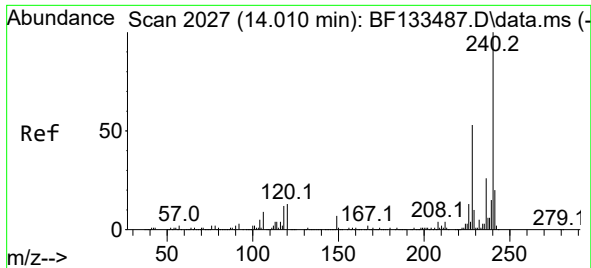
Tgt Ion:198 Resp: 655
Ion Ratio Lower Upper
198 100
51 146.5 53.6 93.6#
105 145.5 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 4.201 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

Tgt Ion:248 Resp: 19058
Ion Ratio Lower Upper
248 100
250 185.7 79.7 119.5#
141 457.2 66.6 100.0#

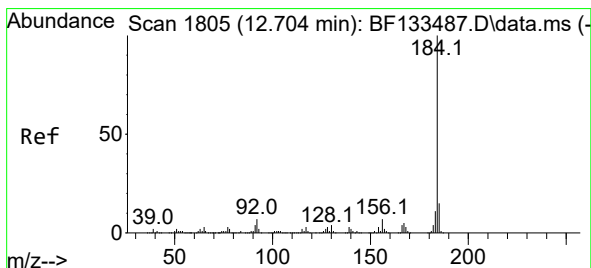
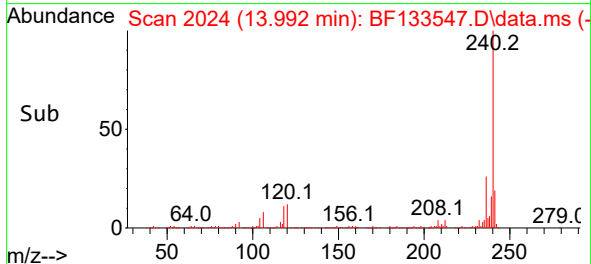
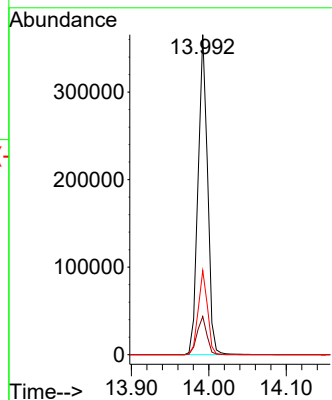
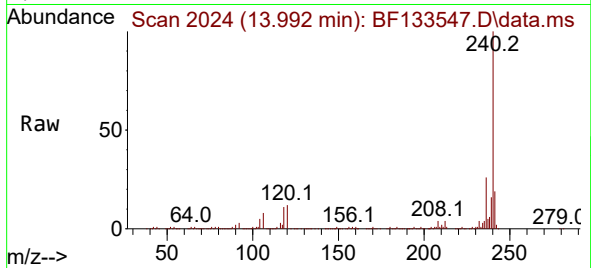




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

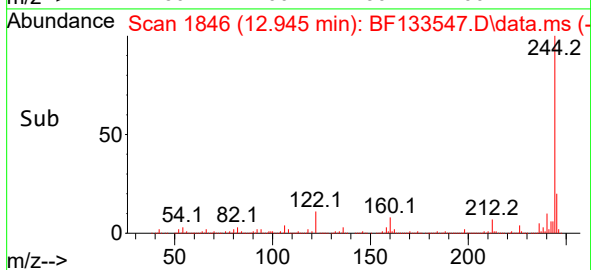
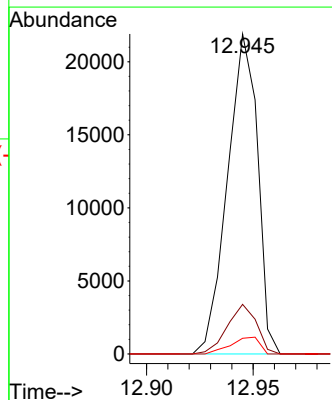
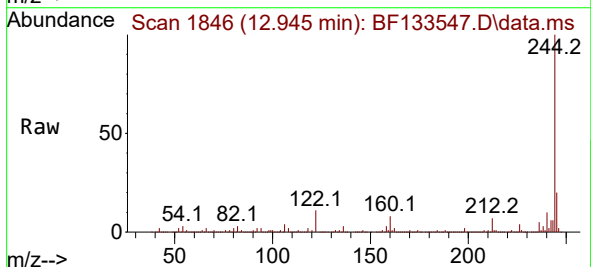
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

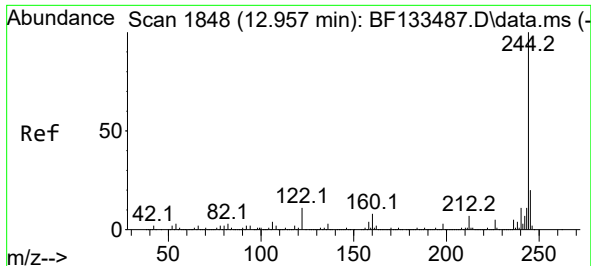
Tgt Ion:240 Resp: 310631
Ion Ratio Lower Upper
240 100
120 12.0 10.3 15.5
236 26.3 20.5 30.7



#77
Benzidine
Concen: 2.372 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.247 min
Lab File: BF133547.D
Acq: 31 May 2023 19:26

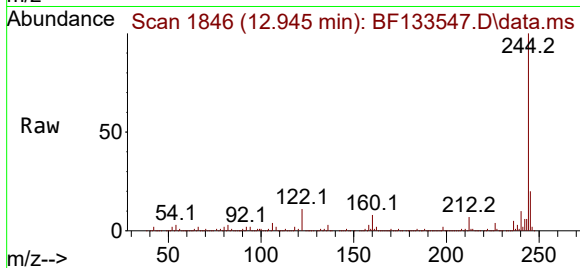
Tgt Ion:184 Resp: 21546
Ion Ratio Lower Upper
184 100
185 15.5 12.2 18.2
183 4.9 8.7 13.1#



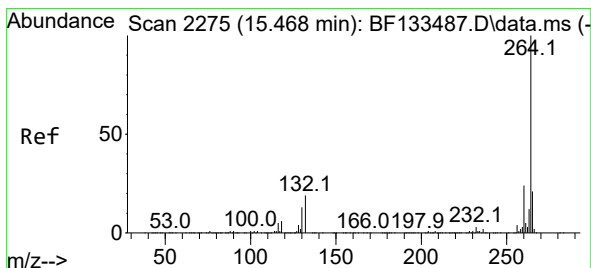
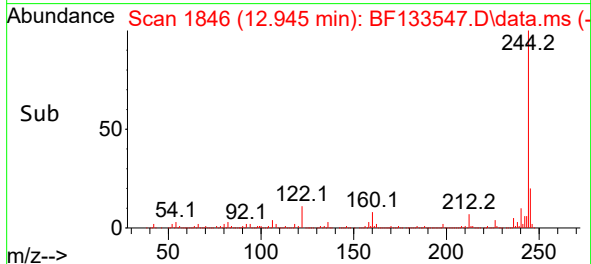
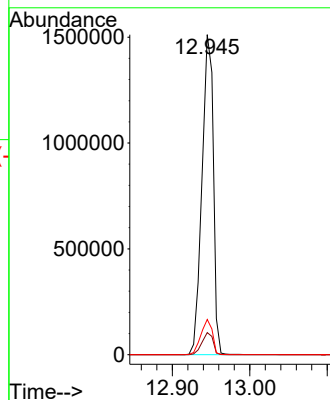


#79
 Terphenyl-d14
 Concen: 88.108 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.006 min
 Lab File: BF133547.D
 Acq: 31 May 2023 19:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-0A



Tgt Ion:244 Resp: 1539340
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 11.0 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF133547.D
 Acq: 31 May 2023 19:26

Tgt Ion:264 Resp: 256796
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.8 16.8 25.2

