

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133527.D
 Acq On : 30 May 2023 17:50
 Operator : CG\JU
 Sample : 02955-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB22

Quant Time: May 31 05:21:00 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)

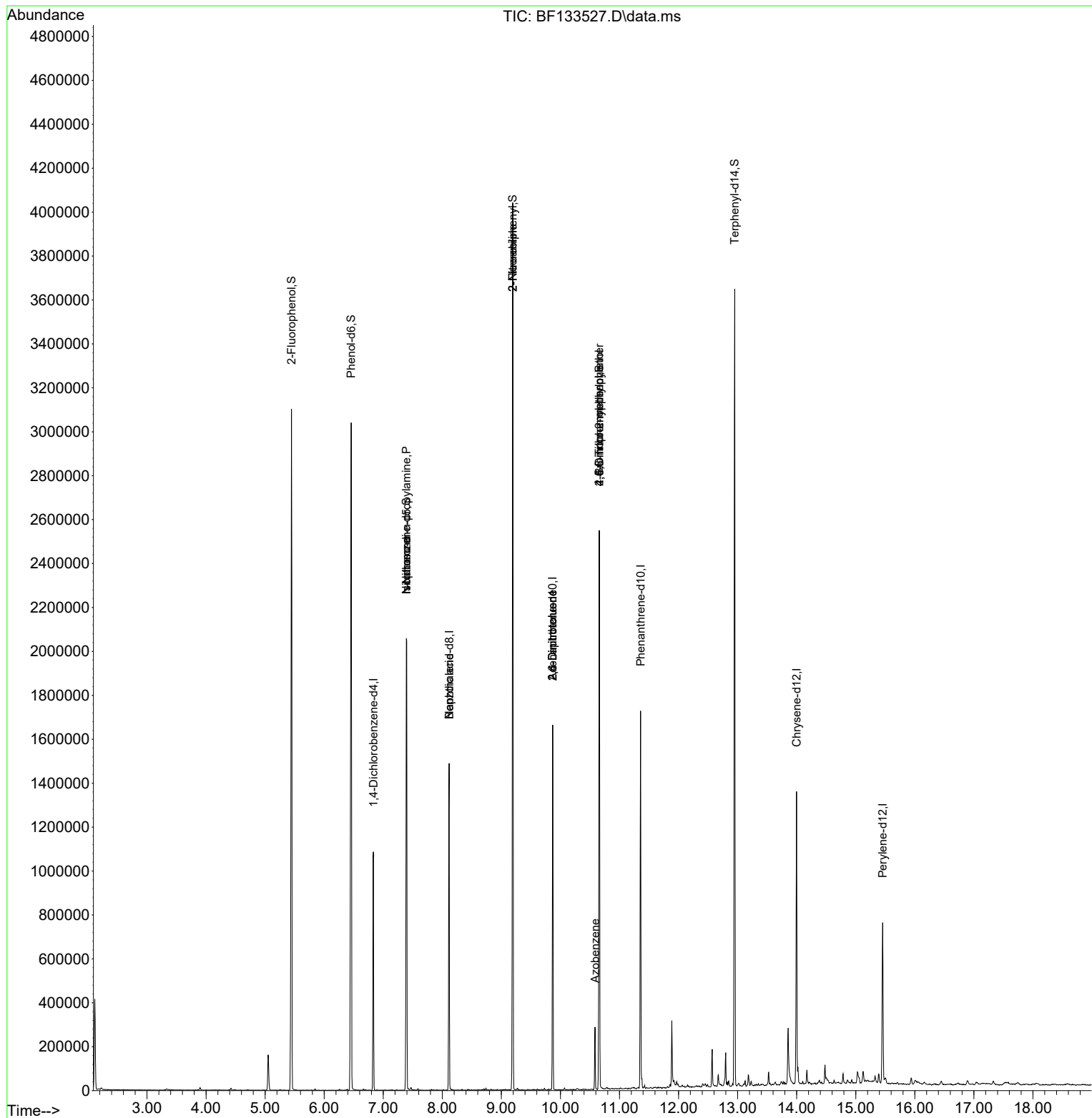
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	155757	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	600163	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	293559	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	577041	20.000	ng	0.00
76) Chrysene-d12	13.998	240	400222	20.000	ng	0.00
86) Perylene-d12	15.456	264	312948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	879971	94.262	ng	0.00
7) Phenol-d6	6.457	99	1095434	95.322	ng	0.00
23) Nitrobenzene-d5	7.392	82	674565	75.046	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	293735	100.380	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1156450	60.802	ng	0.00
79) Terphenyl-d14	12.951	244	1288532	57.243	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.381	77	78	Below Cal	#	39
19) n-Nitroso-di-n-propyla...	7.392	70	91734	12.337	ng	# 80
25) Isophorone	7.392	82	673033	32.127	ng	# 65
32) Benzoic acid	8.116	122	142	7.370	ng	# 1
48) 2-Nitroaniline	9.192	65	2123	4.341	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	37750	12.567	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	37750	11.733	ng	# 15
63) Azobenzene	10.586	77	45664	2.130	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	781	8.982	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	17371	2.835	ng	# 1

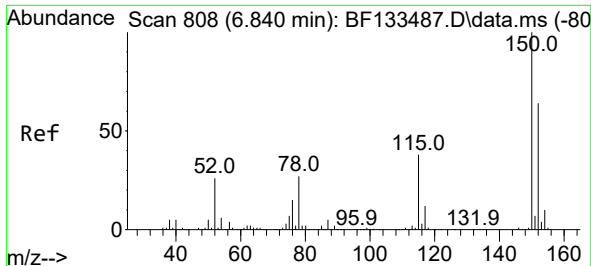
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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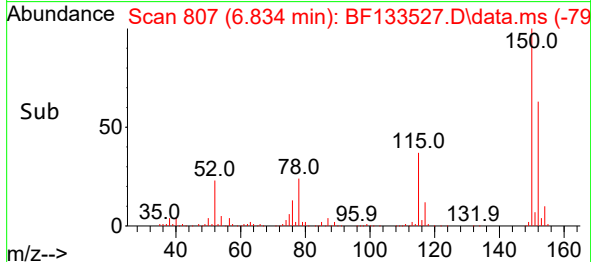
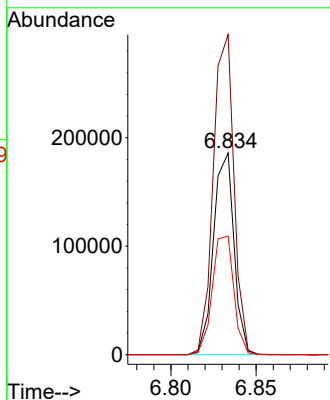
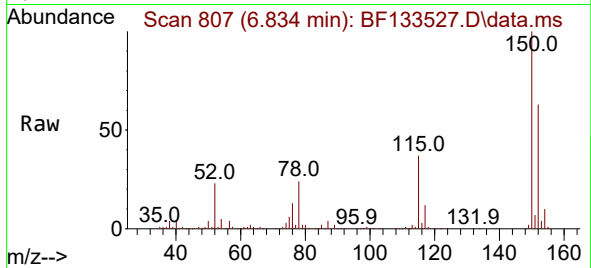




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

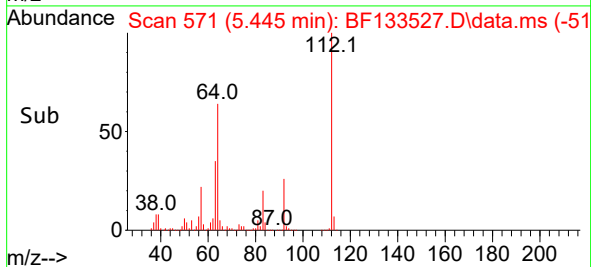
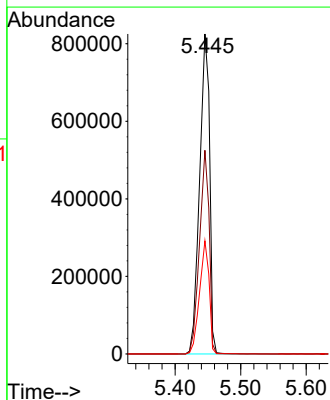
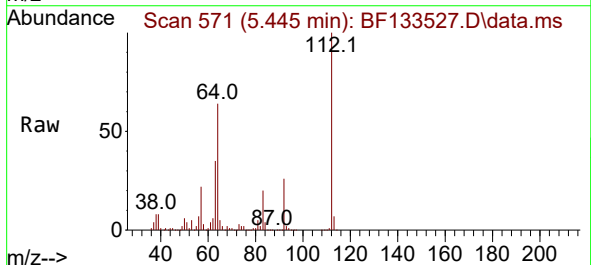
Instrument :
BNA_F
ClientSampleId :
SB22

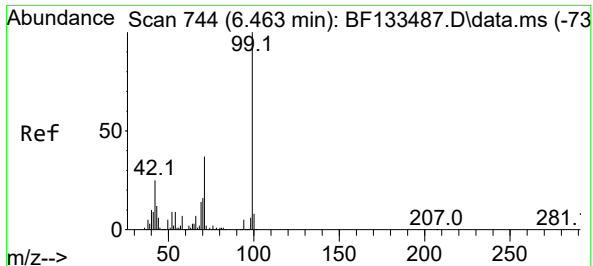
Tgt Ion:152 Resp: 155757
Ion Ratio Lower Upper
152 100
150 158.7 124.9 187.3
115 58.8 48.1 72.1



#5
2-Fluorophenol
Concen: 94.262 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

Tgt Ion:112 Resp: 879971
Ion Ratio Lower Upper
112 100
64 63.7 50.1 75.1
63 35.3 27.5 41.3

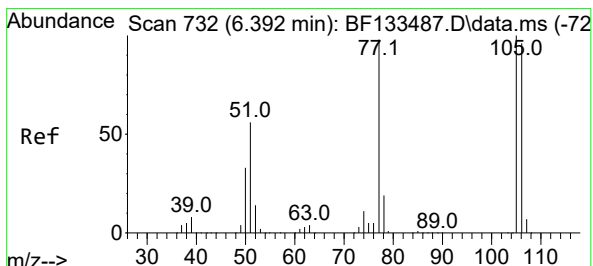
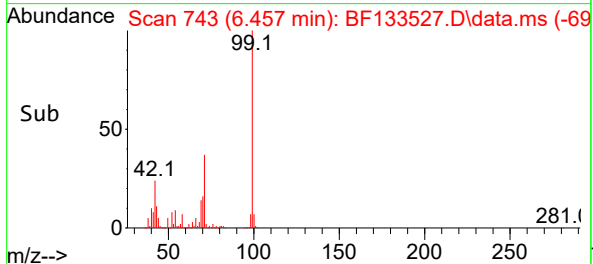
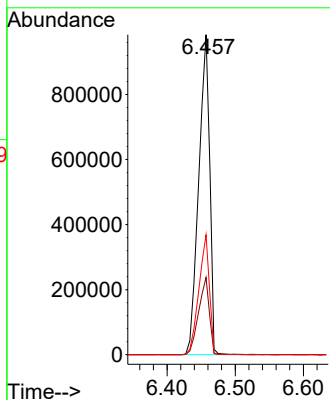
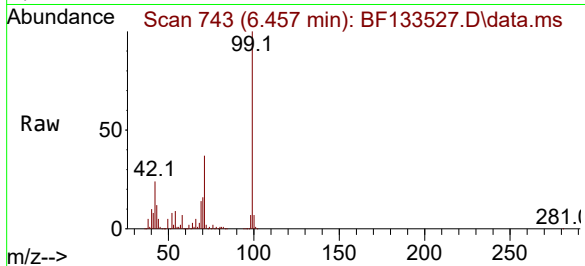




#7
Phenol-d6
Concen: 95.322 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

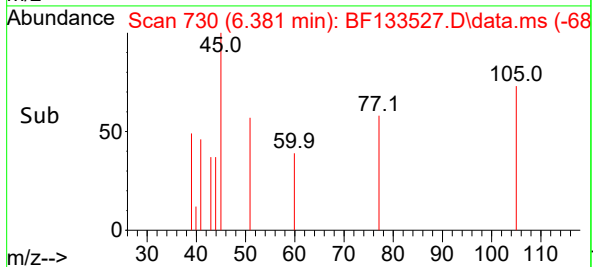
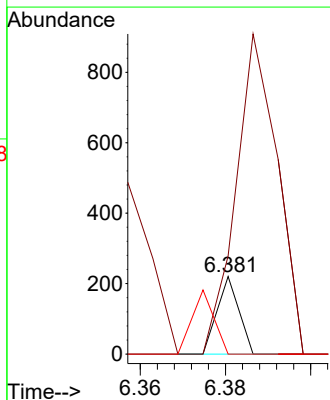
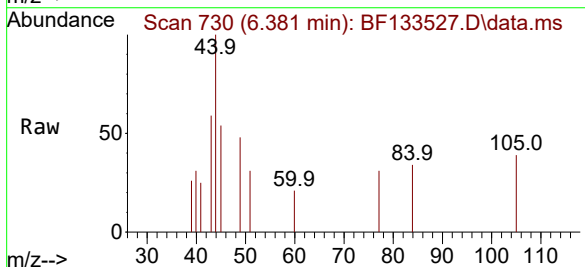
Instrument :
BNA_F
ClientSampleId :
SB22

Tgt Ion: 99 Resp: 1095434
Ion Ratio Lower Upper
99 100
42 24.1 19.7 29.5
71 37.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

Tgt Ion: 77 Resp: 78
Ion Ratio Lower Upper
77 100
105 126.8 81.9 121.9#
106 0.0 77.8 117.8#

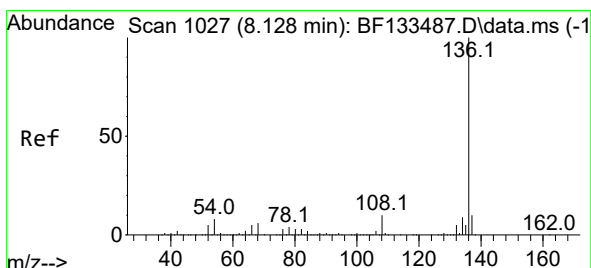
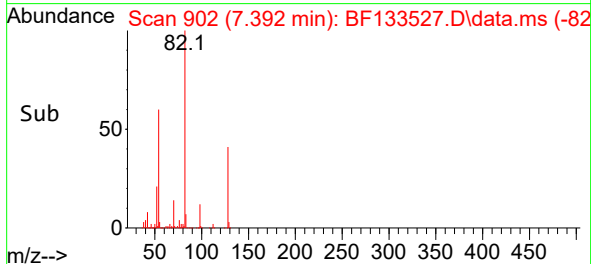
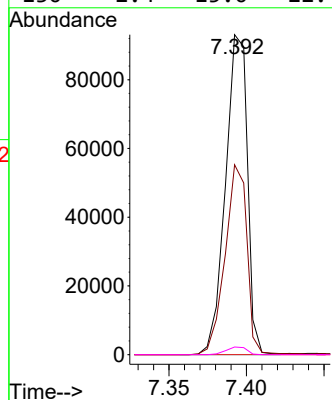
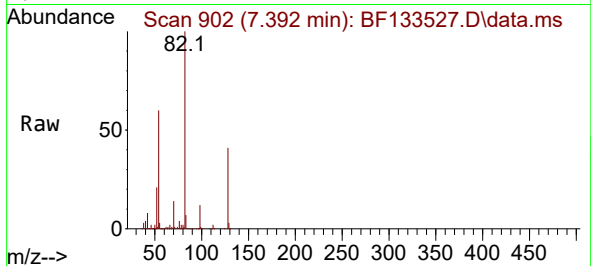




#19
n-Nitroso-di-n-propylamine
Concen: 12.337 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

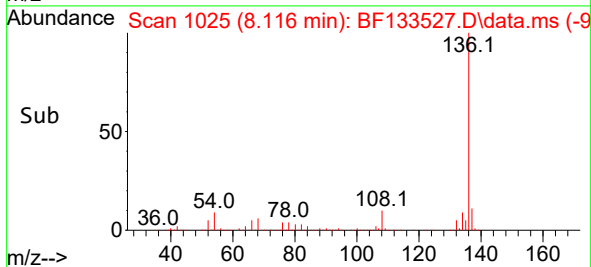
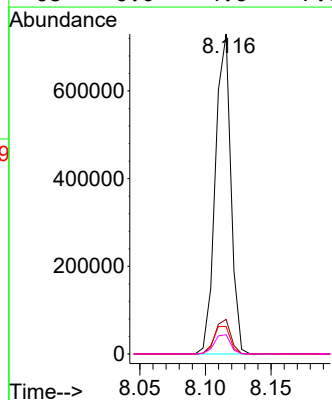
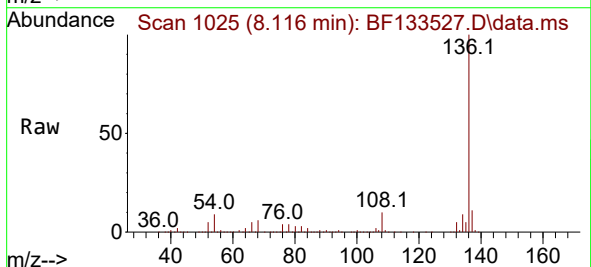
Instrument :
BNA_F
ClientSampleId :
SB22

Tgt Ion: 70 Resp: 91734
Ion Ratio Lower Upper
70 100
42 59.4 57.2 85.8
101 0.0 7.3 10.9#
130 2.4 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

Tgt Ion:136 Resp: 600163
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.6 6.6 10.0
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 75.046 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133527.D

Acq: 30 May 2023 17:50

Instrument :

BNA_F

ClientSampleId :

SB22

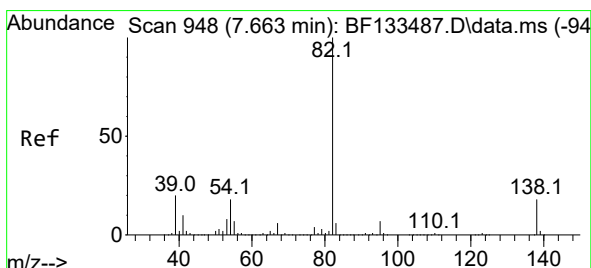
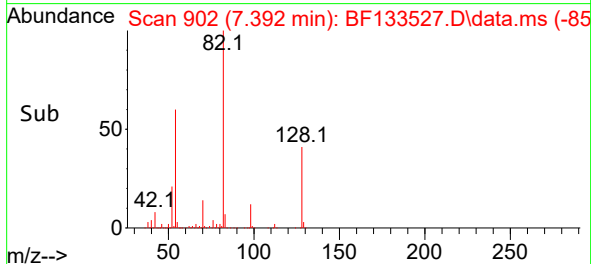
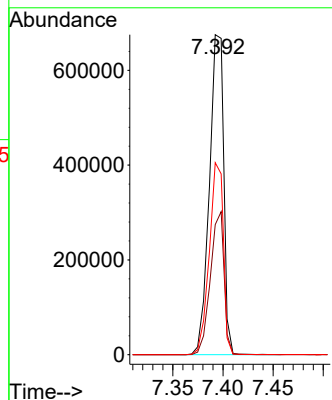
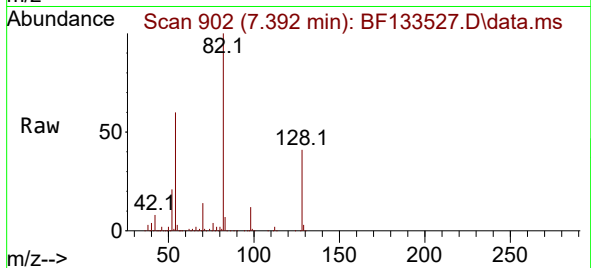
Tgt Ion: 82 Resp: 674565

Ion Ratio Lower Upper

82 100

128 40.6 34.2 51.4

54 60.0 48.2 72.4



#25

Isophorone

Concen: 32.127 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133527.D

Acq: 30 May 2023 17:50

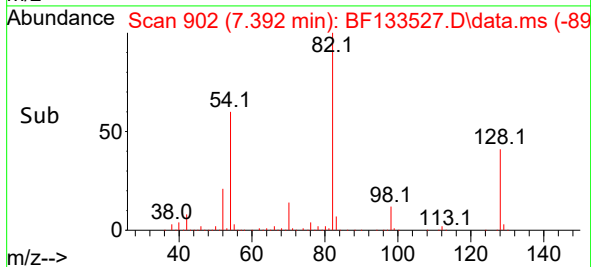
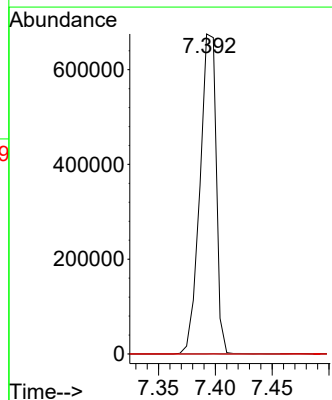
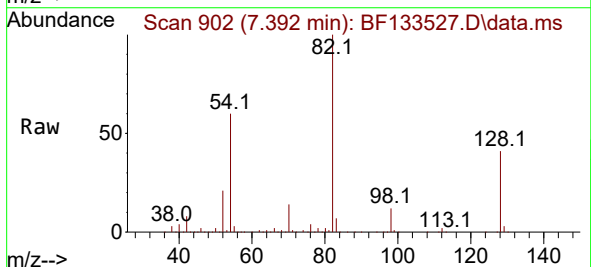
Tgt Ion: 82 Resp: 673033

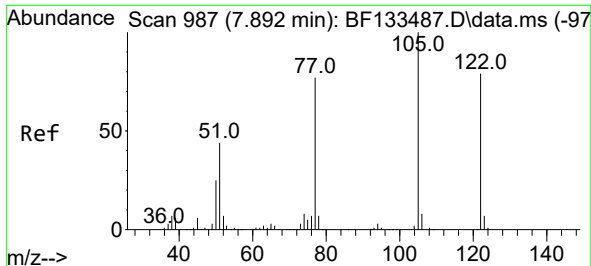
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

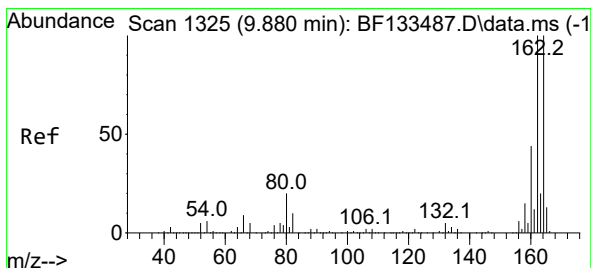
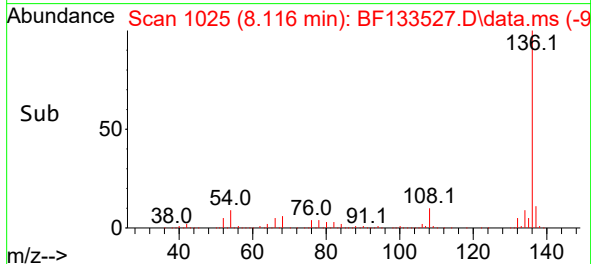
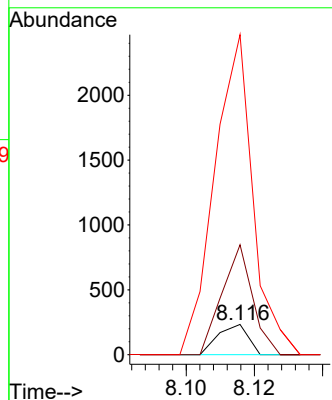
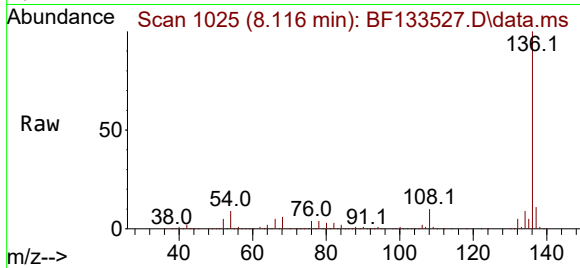




#32
Benzoic acid
Concen: 7.370 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.235 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

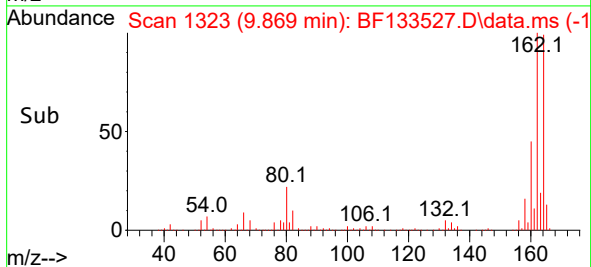
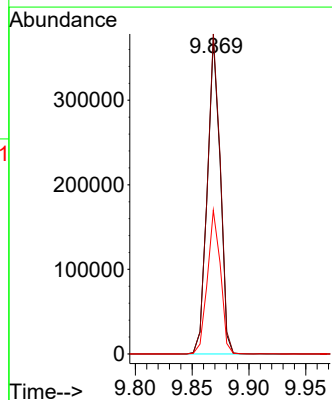
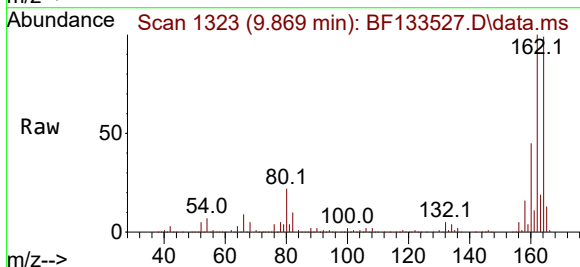
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ClientSampleId :
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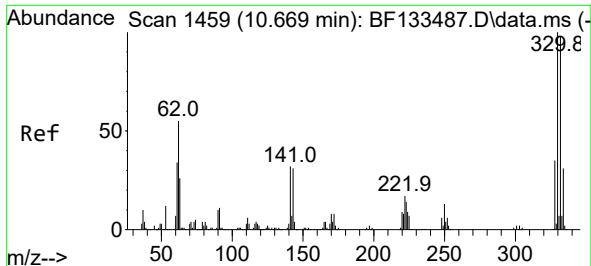
Tgt Ion:122 Resp: 142
Ion Ratio Lower Upper
122 100
105 363.9 103.3 143.3#
77 1058.8 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

Tgt Ion:164 Resp: 293559
Ion Ratio Lower Upper
164 100
162 101.4 79.7 119.5
160 45.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 100.380 ng

RT: 10.657 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133527.D

Acq: 30 May 2023 17:50

Instrument :

BNA_F

ClientSampleId :

SB22

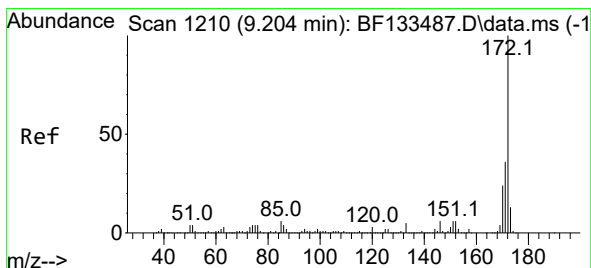
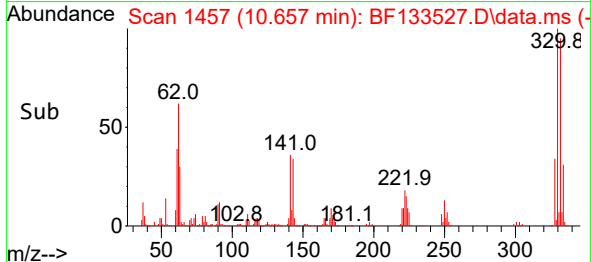
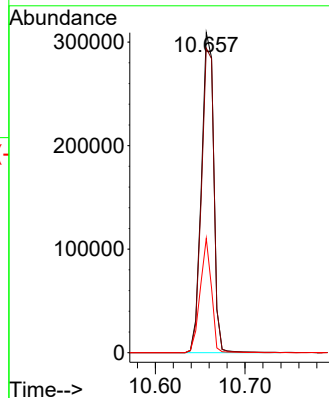
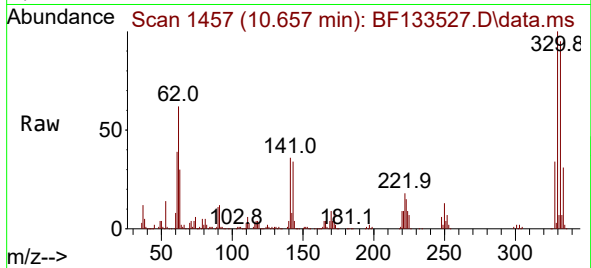
Tgt Ion:330 Resp: 293735

Ion Ratio Lower Upper

330 100

332 96.7 77.8 116.6

141 32.6 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 60.802 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133527.D

Acq: 30 May 2023 17:50

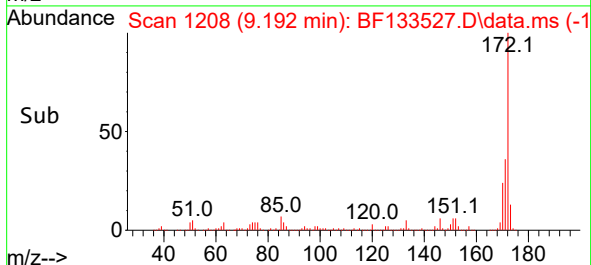
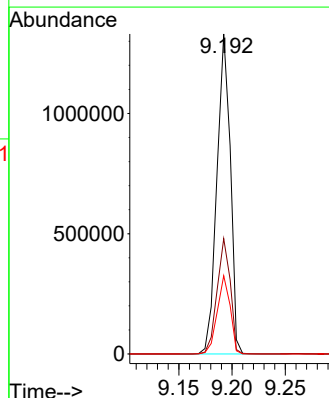
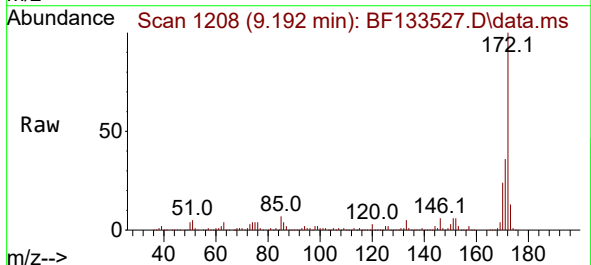
Tgt Ion:172 Resp: 1156450

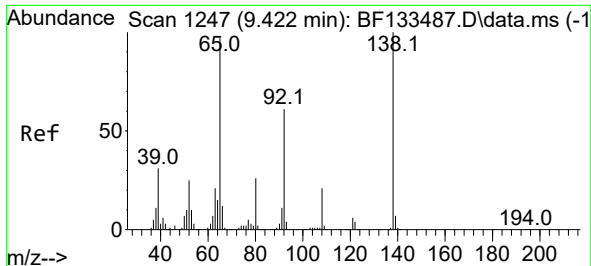
Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 24.5 19.3 28.9

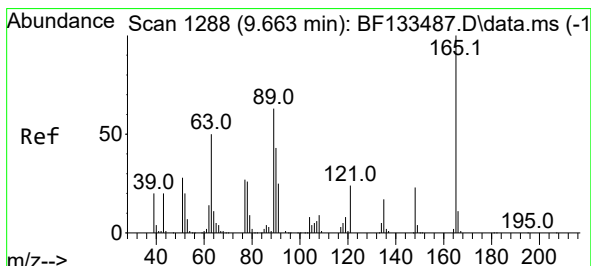
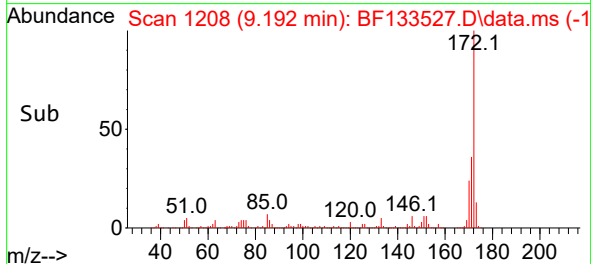
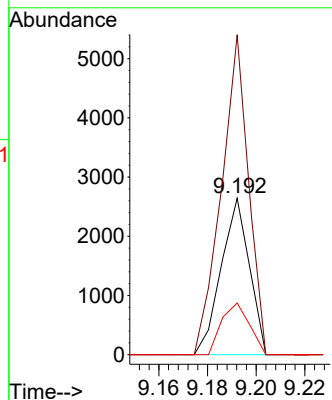
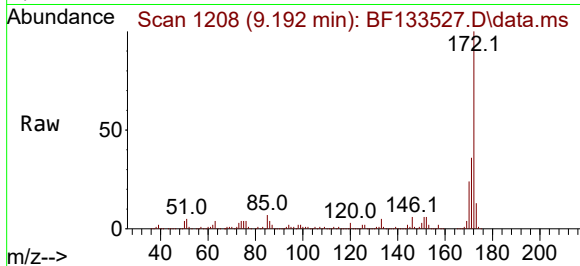




#48
2-Nitroaniline
Concen: 4.341 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

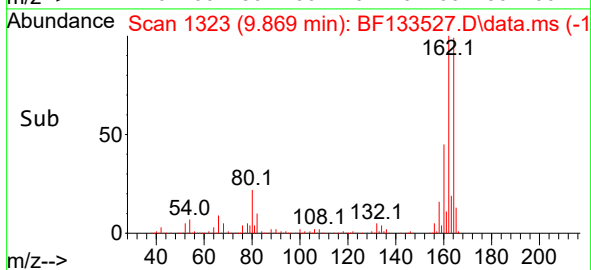
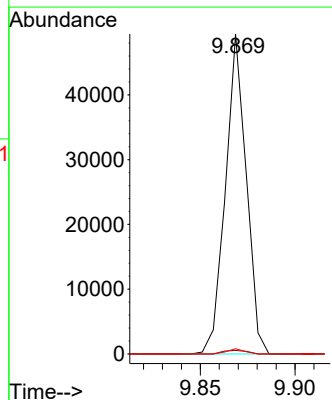
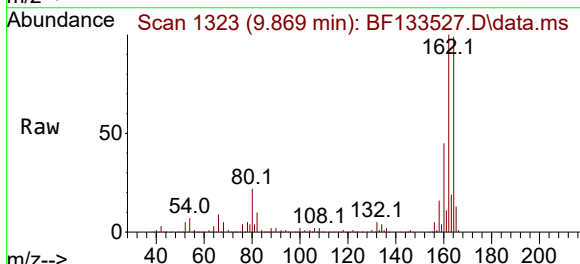
Instrument :
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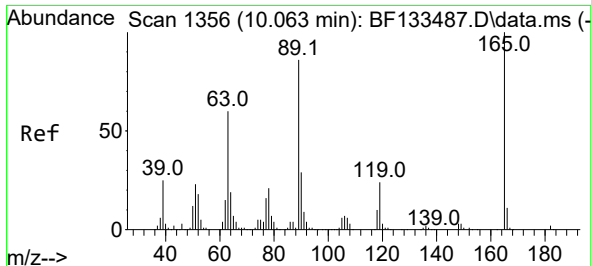
Tgt Ion: 65 Resp: 2123
Ion Ratio Lower Upper
65 100
92 204.5 50.8 76.2#
138 33.1 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.567 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.211 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

Tgt Ion: 165 Resp: 37750
Ion Ratio Lower Upper
165 100
63 1.1 57.0 85.4#
89 1.7 50.8 76.2#

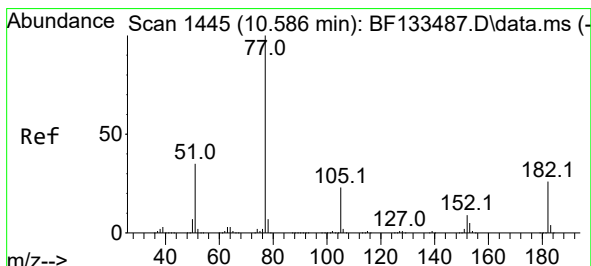
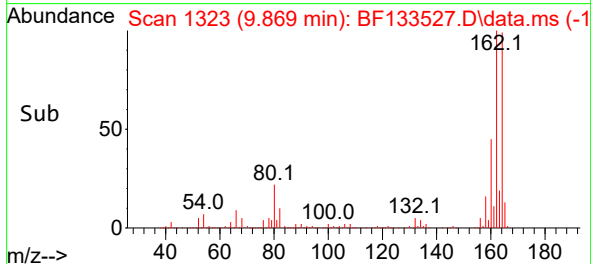
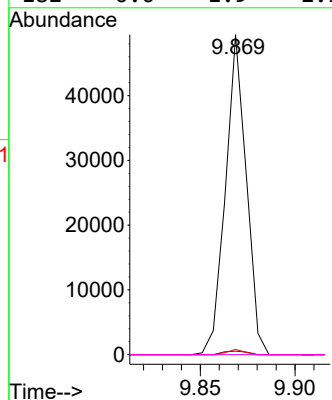
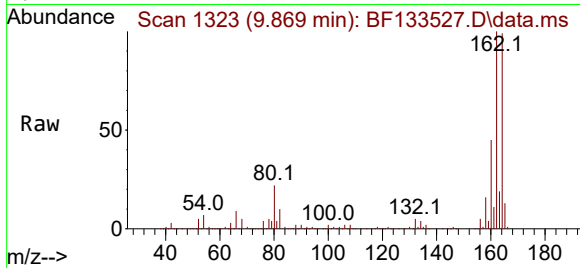




#57
2,4-Dinitrotoluene
Concen: 11.733 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

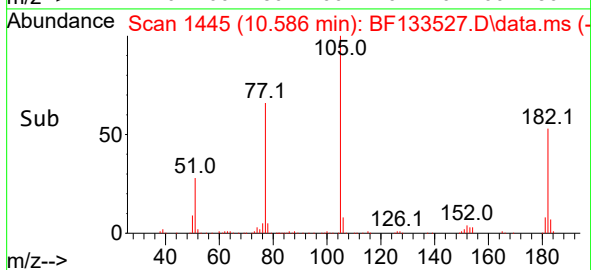
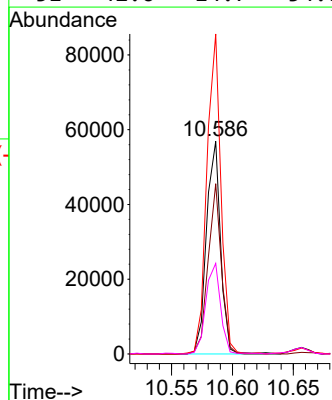
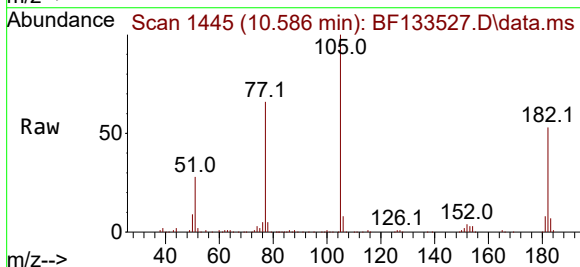
Instrument :
BNA_F
ClientSampleId :
SB22

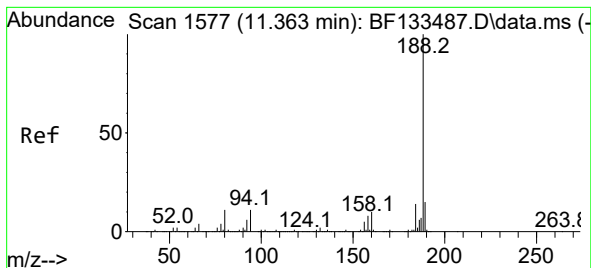
Tgt Ion:165 Resp: 37750
Ion Ratio Lower Upper
165 100
63 1.1 48.1 72.1#
89 1.7 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.130 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.011 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

Tgt Ion: 77 Resp: 45664
Ion Ratio Lower Upper
77 100
182 80.0 5.6 45.6#
105 150.5 2.6 42.6#
51 42.6 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133527.D

Acq: 30 May 2023 17:50

Instrument :

BNA_F

ClientSampleId :

SB22

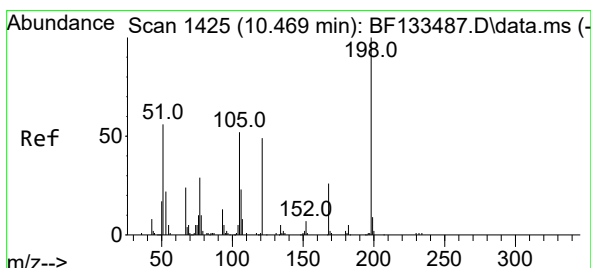
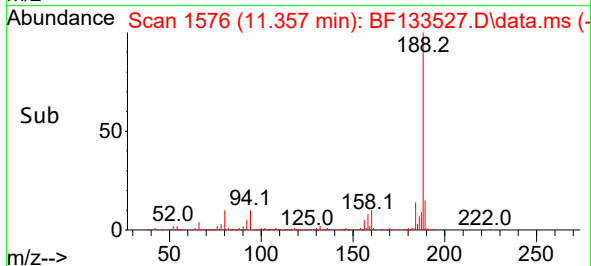
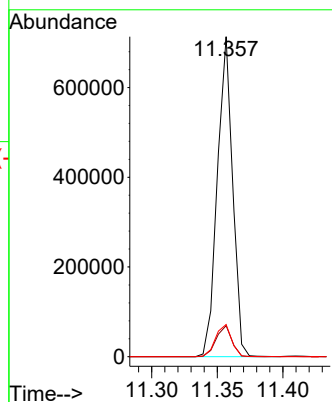
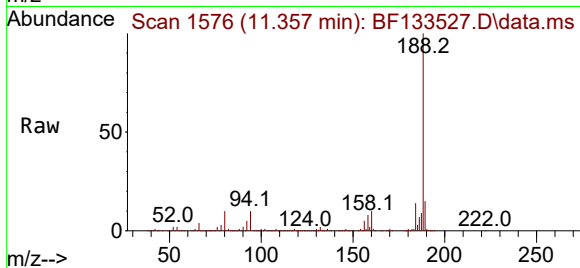
Tgt Ion:188 Resp: 577041

Ion Ratio Lower Upper

188 100

94 9.7 8.6 12.8

80 10.1 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.982 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133527.D

Acq: 30 May 2023 17:50

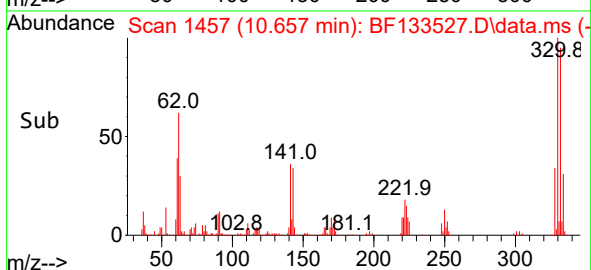
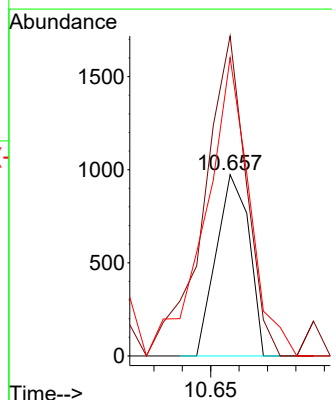
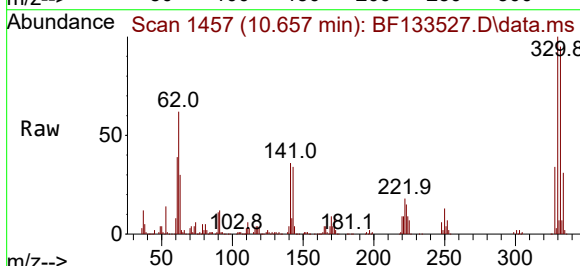
Tgt Ion:198 Resp: 781

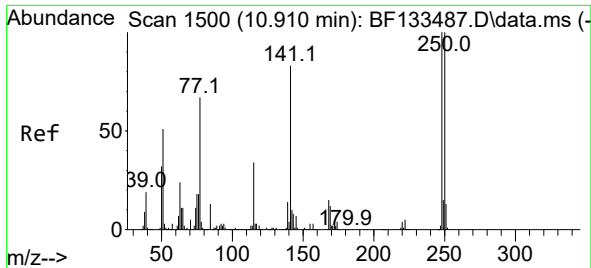
Ion Ratio Lower Upper

198 100

51 176.6 53.6 93.6#

105 164.6 35.9 75.9#

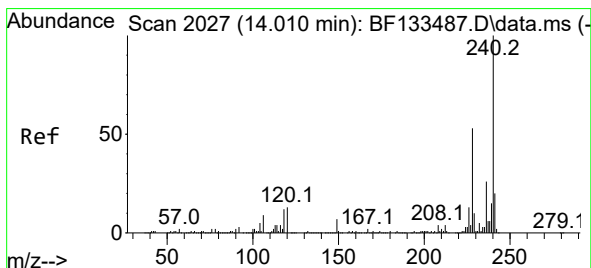
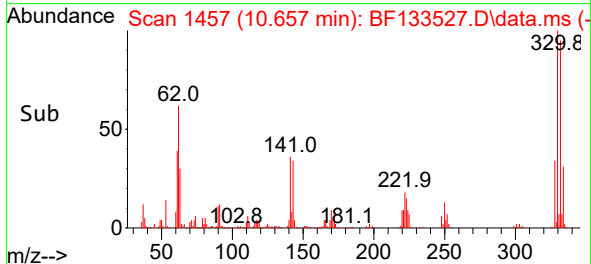
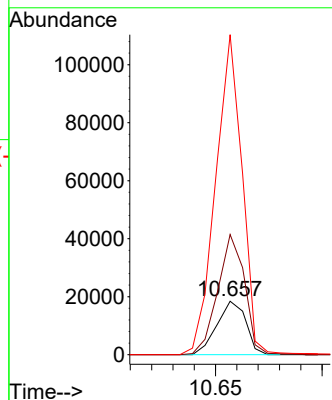
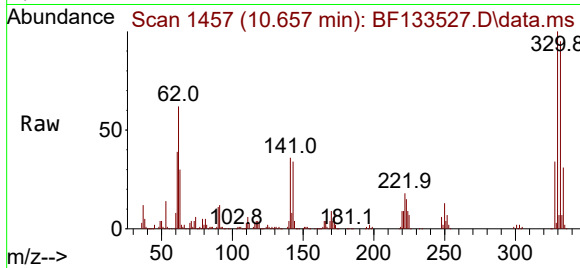




#67
4-Bromophenyl-phenylether
Concen: 2.835 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

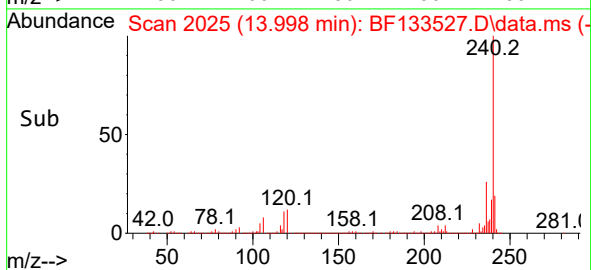
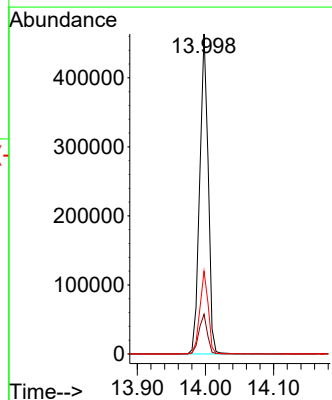
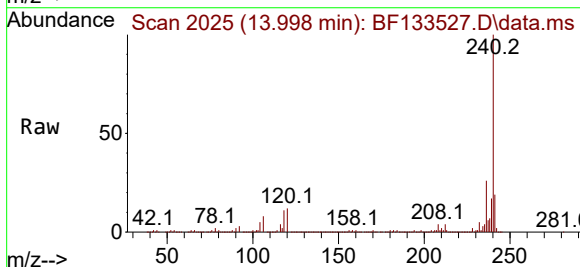
Instrument :
BNA_F
ClientSampleId :
SB22

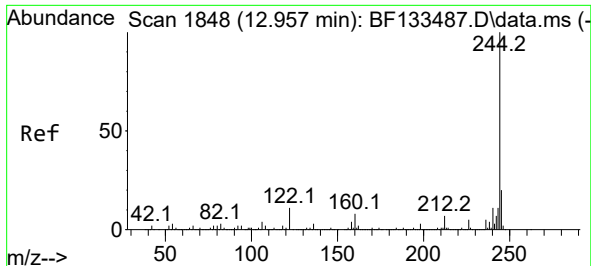
Tgt Ion:248 Resp: 17371
Ion Ratio Lower Upper
248 100
250 224.8 79.7 119.5#
141 598.5 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133527.D
Acq: 30 May 2023 17:50

Tgt Ion:240 Resp: 400222
Ion Ratio Lower Upper
240 100
120 12.4 10.3 15.5
236 25.9 20.5 30.7

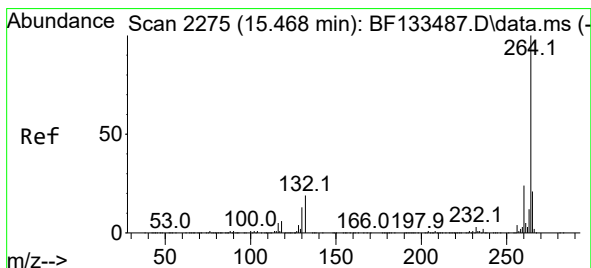
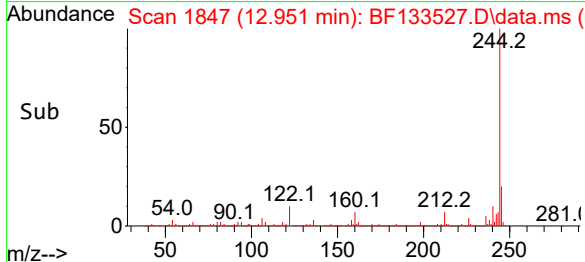
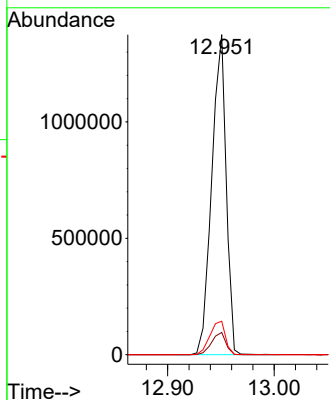
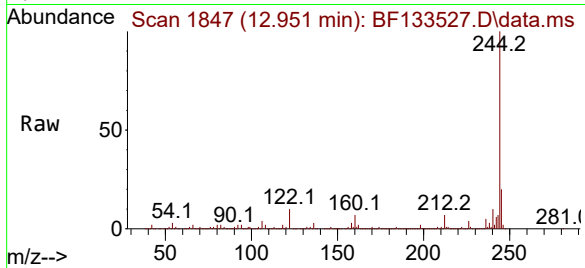




#79
 Terphenyl-d14
 Concen: 57.243 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.000 min
 Lab File: BF133527.D
 Acq: 30 May 2023 17:50

Instrument :
 BNA_F
 ClientSampleId :
 SB22

Tgt Ion:244 Resp: 1288532
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 10.4 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.456 min Scan# 2273
 Delta R.T. -0.000 min
 Lab File: BF133527.D
 Acq: 30 May 2023 17:50

Tgt Ion:264 Resp: 312948
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.4
 265 21.2 16.8 25.2

