

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133557.D
 Acq On : 02 Jun 2023 12:21
 Operator : CG\JU
 Sample : PB153157BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB153157BL

Quant Time: Jun 02 12:55:07 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)

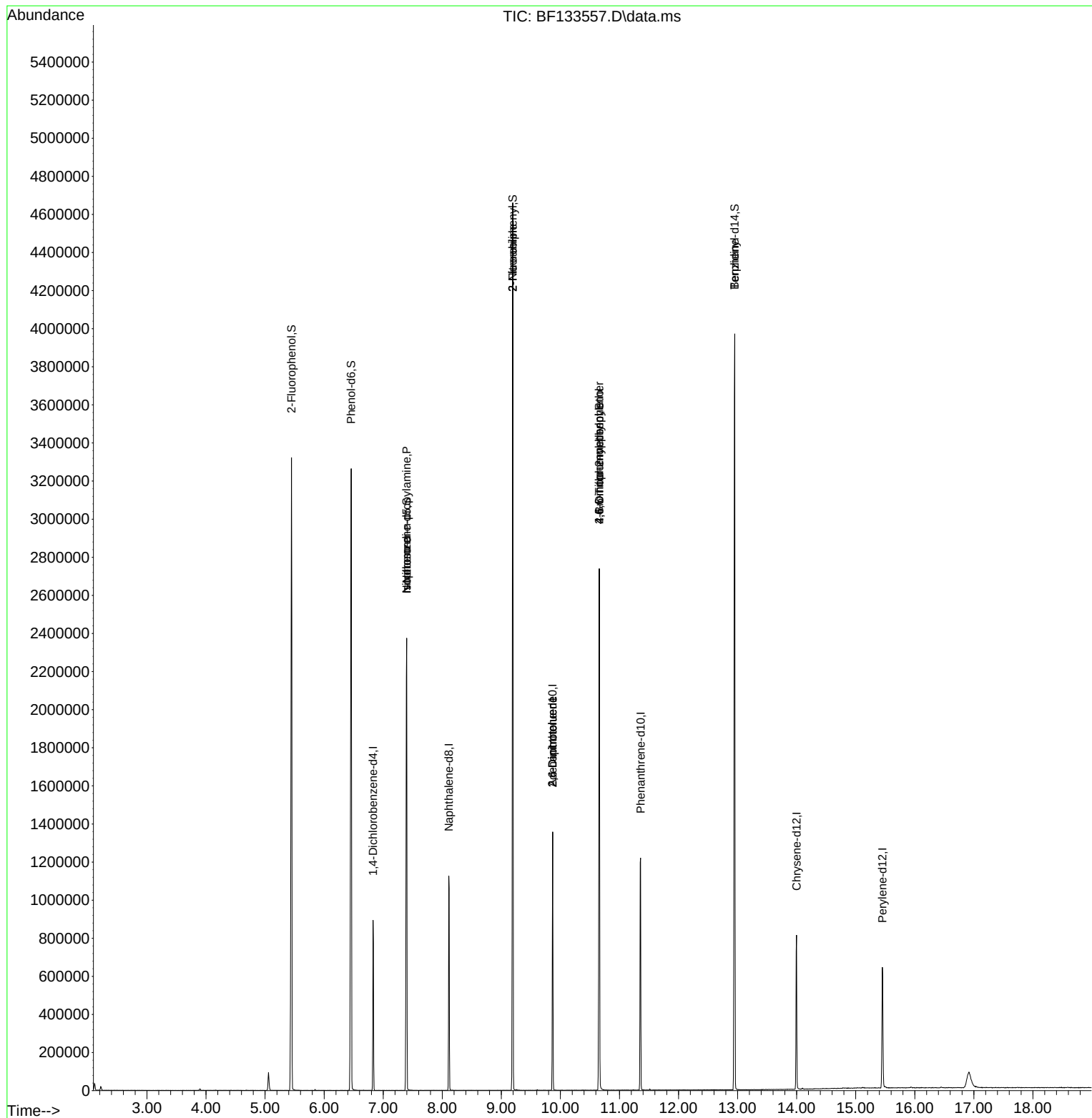
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	126410	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	482407	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	234100	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	462064	20.000	ng	0.00
76) Chrysene-d12	13.998	240	266379	20.000	ng	0.00
86) Perylene-d12	15.451	264	289832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	990200	130.695	ng	0.00
7) Phenol-d6	6.457	99	1184042	126.952	ng	0.00
23) Nitrobenzene-d5	7.398	82	758598	104.995	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	329254	141.096	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1326128	87.433	ng	0.00
79) Terphenyl-d14	12.951	244	1528294	102.008	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.457	77	1809	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	104608	17.335	ng	# 75
25) Isophorone	7.398	82	758586	45.050	ng	# 65
48) 2-Nitroaniline	9.192	65	2803	4.571	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	30153	12.582	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	30153	11.744	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.657	198	740	9.032	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	19786	4.032	ng	# 1
77) Benzidine	12.951	184	20681	2.654	ng	# 94

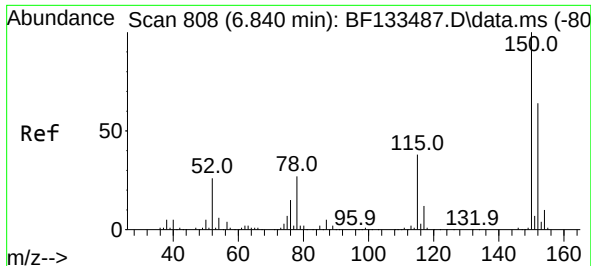
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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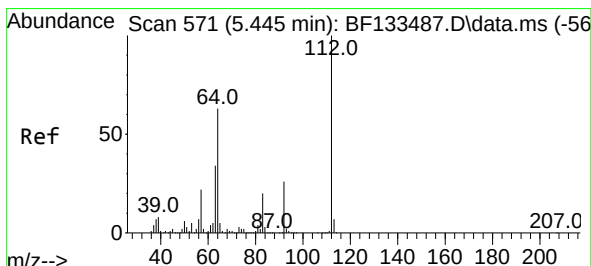
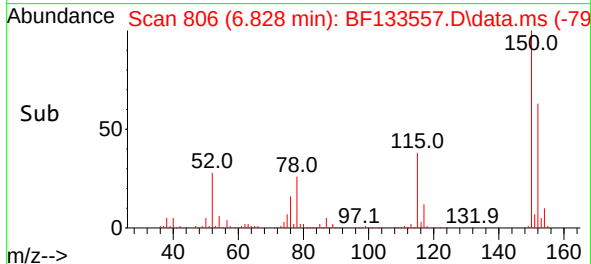
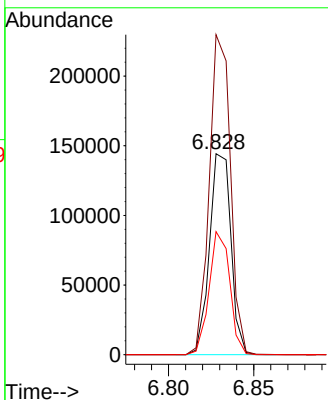
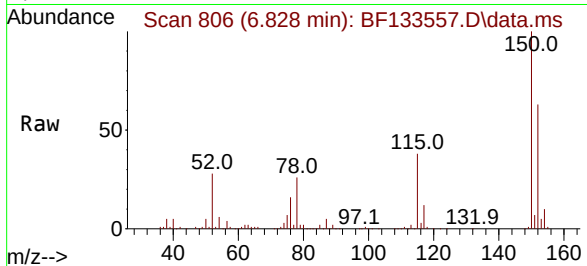




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

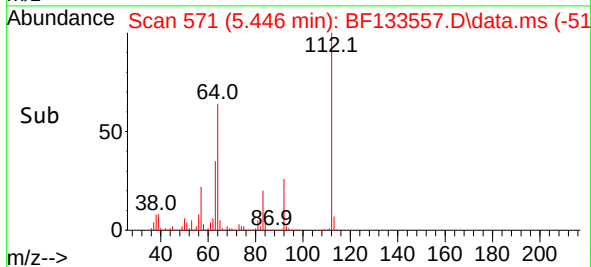
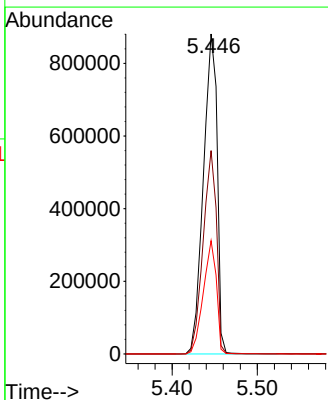
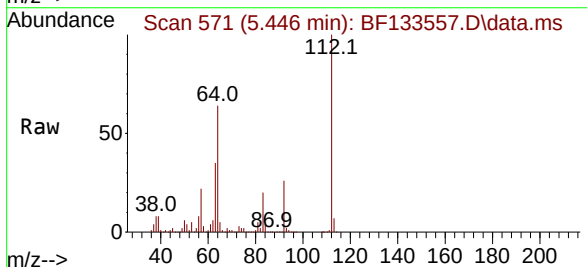
Instrument :
BNA_F
ClientSampleId :
PB153157BL

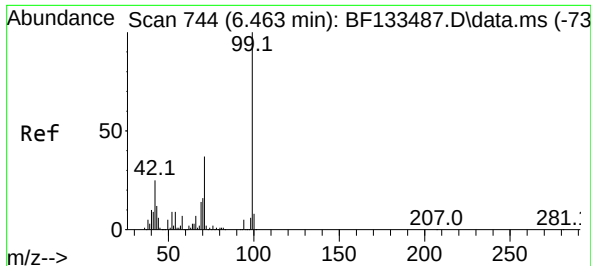
Tgt Ion:152 Resp: 126410
Ion Ratio Lower Upper
152 100
150 159.2 124.9 187.3
115 61.2 48.1 72.1



#5
2-Fluorophenol
Concen: 130.695 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

Tgt Ion:112 Resp: 990200
Ion Ratio Lower Upper
112 100
64 63.6 50.1 75.1
63 35.4 27.5 41.3



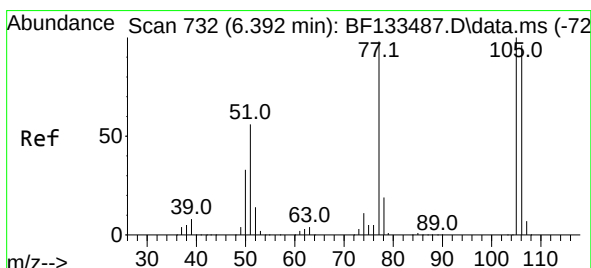
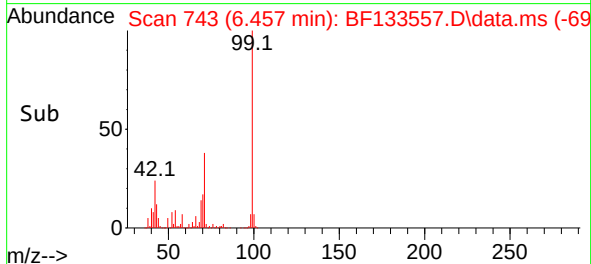
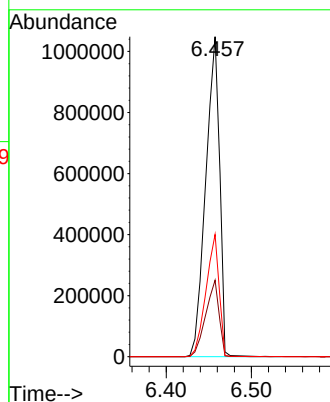
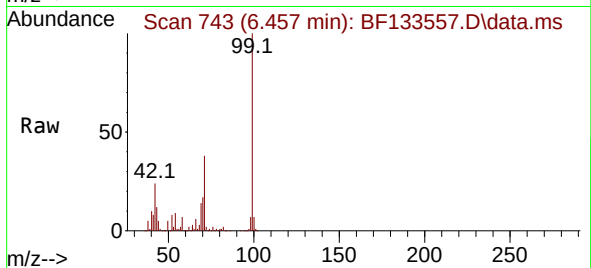


#7
Phenol-d6
Concen: 126.952 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

Instrument :
BNA_F
ClientSampleId :
PB153157BL

Tgt Ion: 99 Resp: 1184042

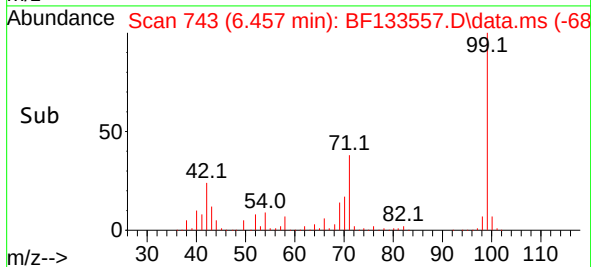
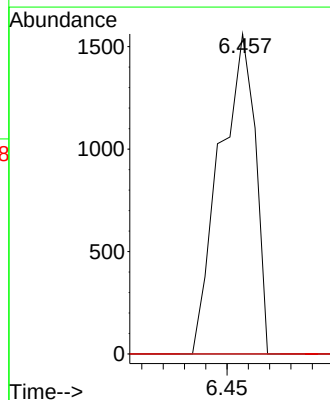
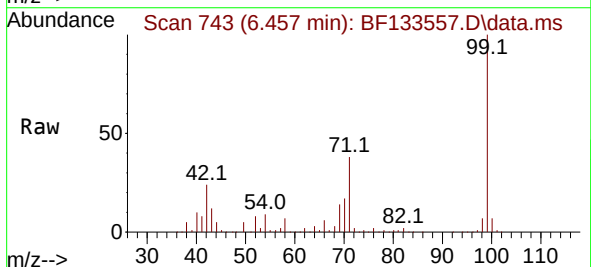
Ion	Ratio	Lower	Upper
99	100		
42	23.9	19.7	29.5
71	38.2	29.8	44.8

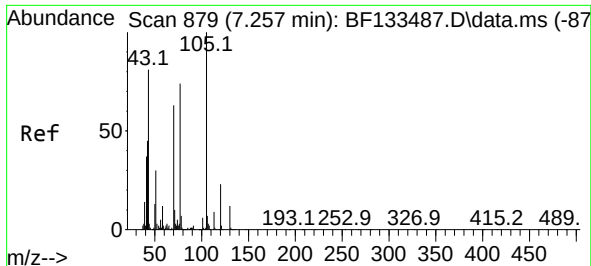


#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.071 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

Tgt Ion: 77 Resp: 1809

Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.9	121.9#
106	0.0	77.8	117.8#

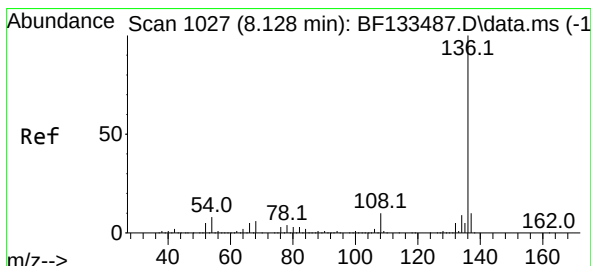
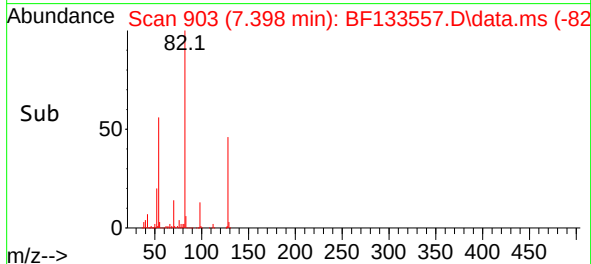
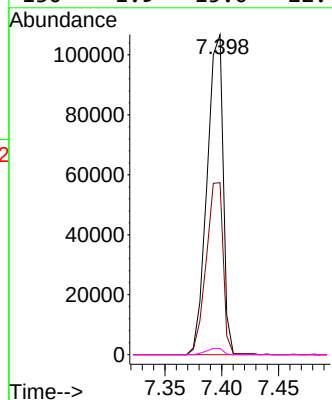
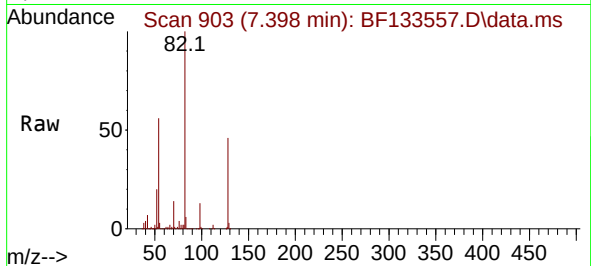




#19
n-Nitroso-di-n-propylamine
Concen: 17.335 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

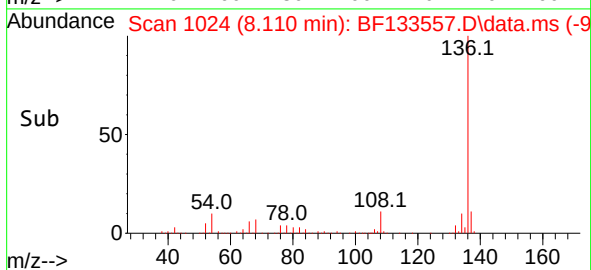
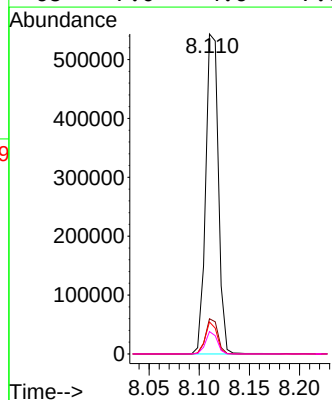
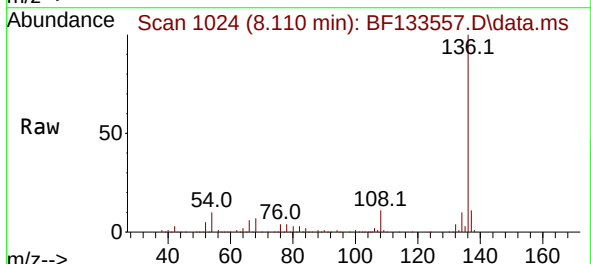
Instrument :
BNA_F
ClientSampleId :
PB153157BL

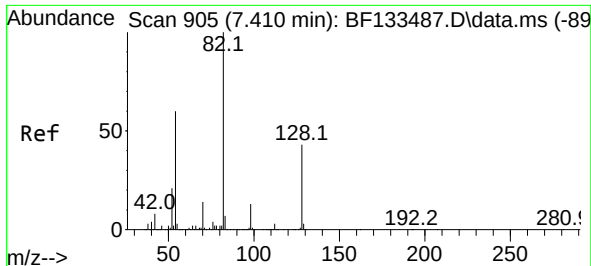
Tgt Ion: 70 Resp: 104608
Ion Ratio Lower Upper
70 100
42 53.8 57.2 85.8#
101 0.0 7.3 10.9#
130 1.9 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

Tgt Ion: 136 Resp: 482407
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 10.0 6.6 10.0#
68 7.0 4.6 7.0#





#23

Nitrobenzene-d5

Concen: 104.995 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

Instrument :

BNA_F

ClientSampleId :

PB153157BL

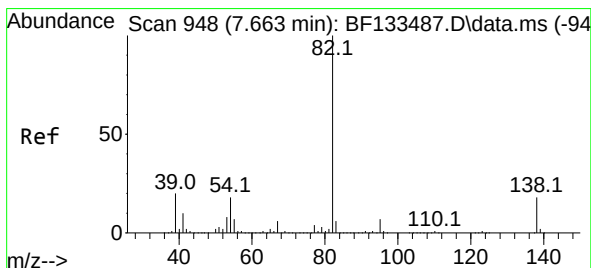
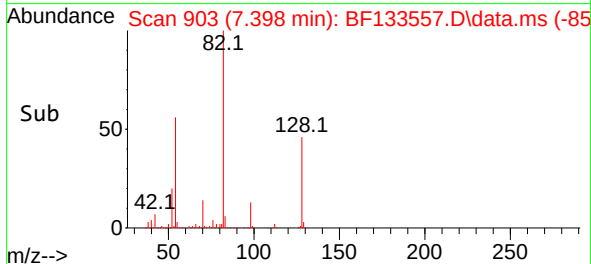
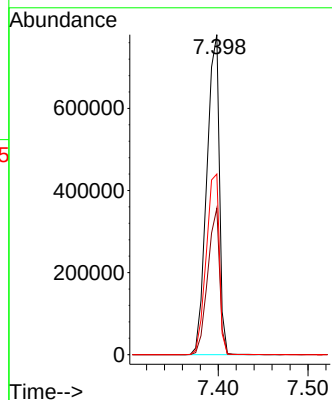
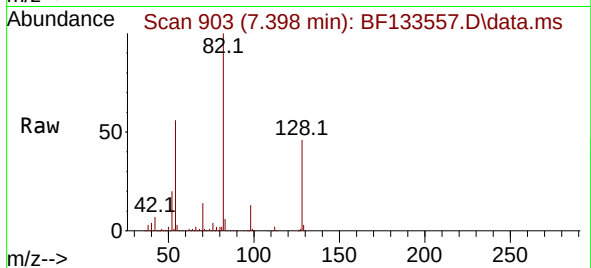
Tgt Ion: 82 Resp: 758598

Ion Ratio Lower Upper

82 100

128 45.7 34.2 51.4

54 56.4 48.2 72.4



#25

Isophorone

Concen: 45.050 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

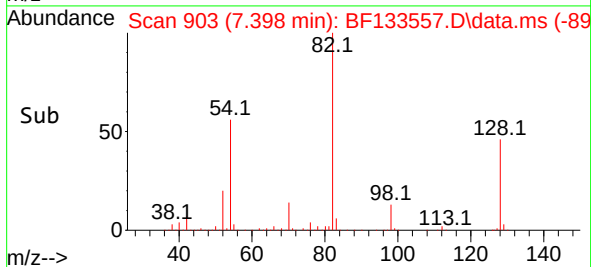
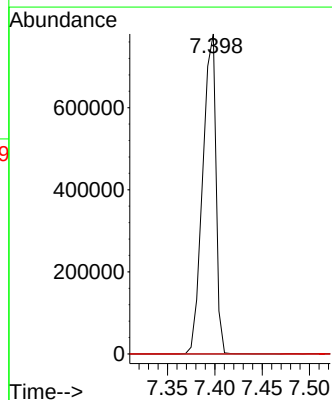
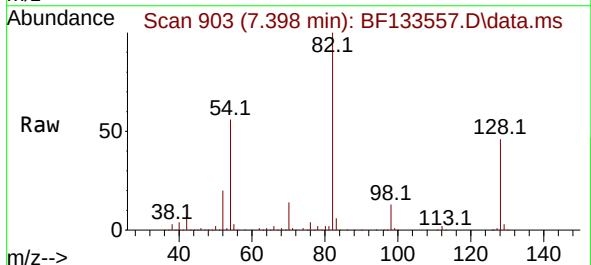
Tgt Ion: 82 Resp: 758586

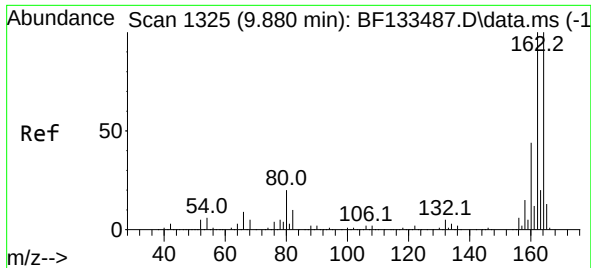
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

Instrument :

BNA_F

ClientSampleId :

PB153157BL

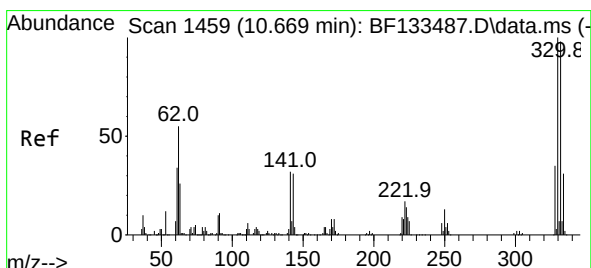
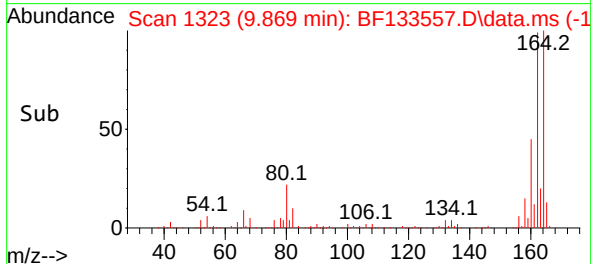
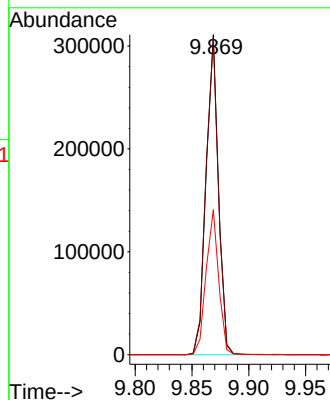
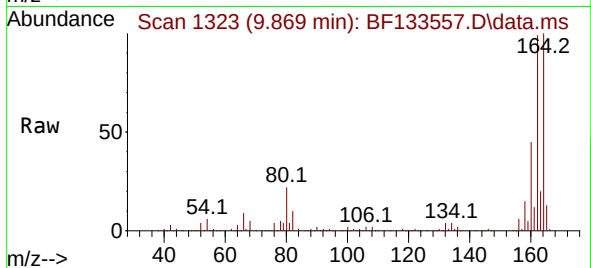
Tgt Ion:164 Resp: 234100

Ion Ratio Lower Upper

164 100

162 98.6 79.7 119.5

160 45.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 141.096 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

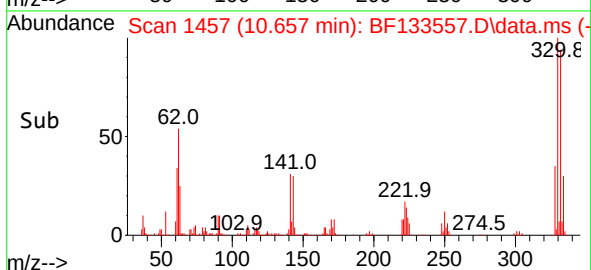
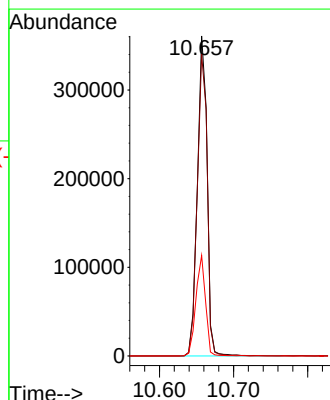
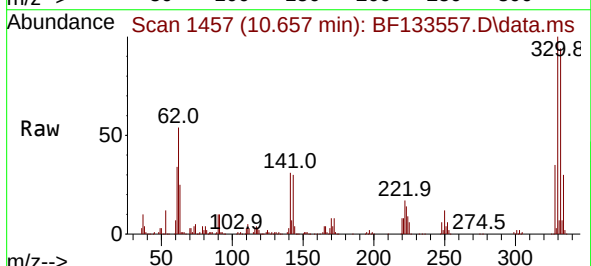
Tgt Ion:330 Resp: 329254

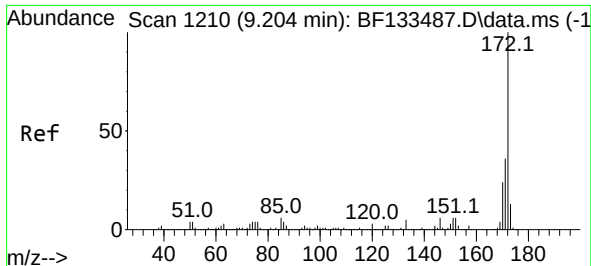
Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

141 31.0 26.6 40.0

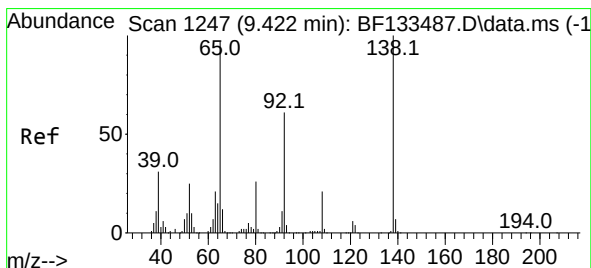
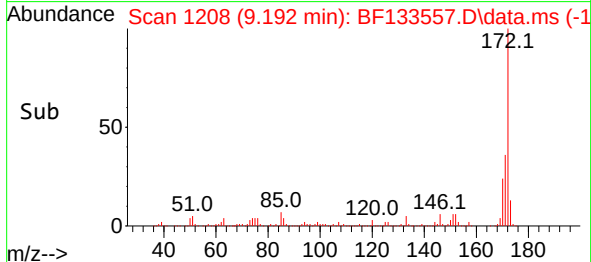
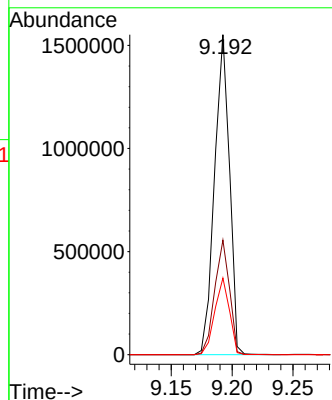
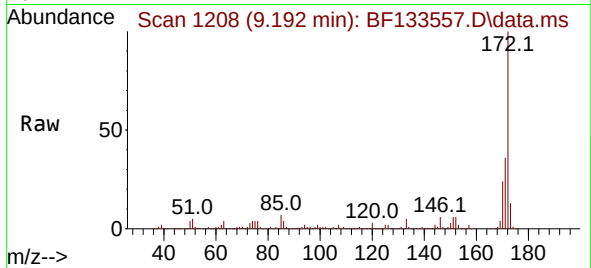




#45
2-Fluorobiphenyl
Concen: 87.433 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

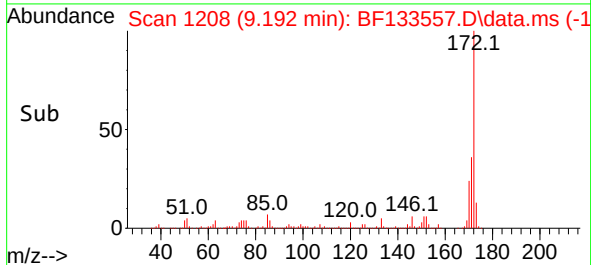
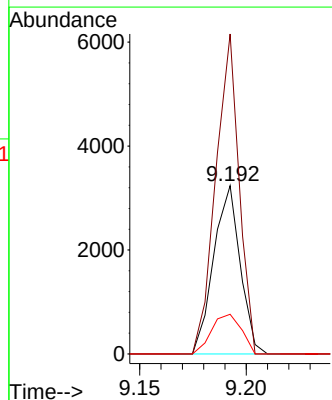
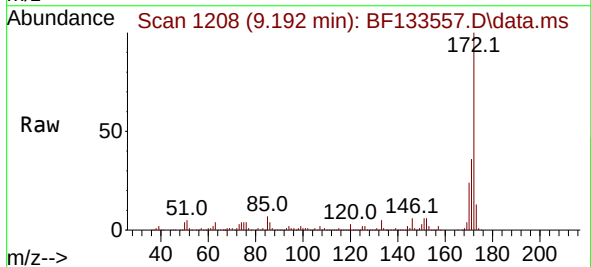
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PB153157BL

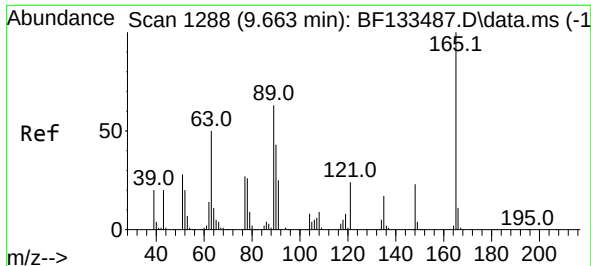
Tgt Ion:172 Resp: 1326128
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 24.0 19.3 28.9



#48
2-Nitroaniline
Concen: 4.571 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.224 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

Tgt Ion: 65 Resp: 2803
Ion Ratio Lower Upper
65 100
92 190.2 50.8 76.2#
138 23.5 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.582 ng

RT: 9.869 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

Instrument :

BNA_F

ClientSampleId :

PB153157BL

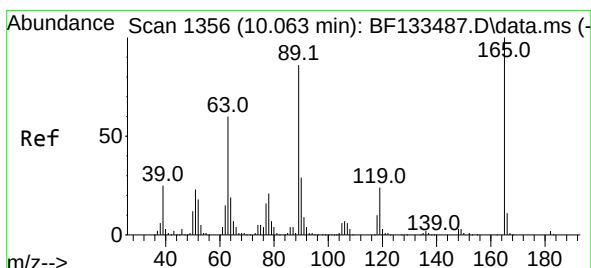
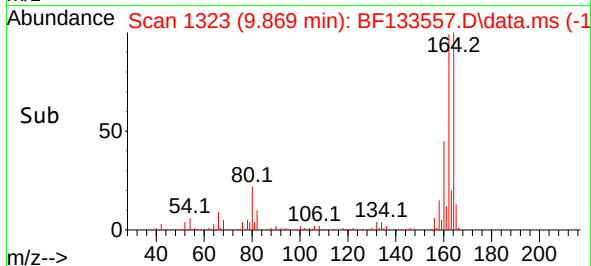
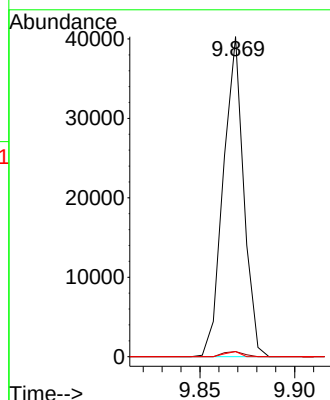
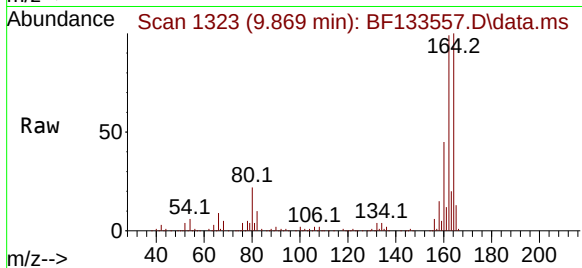
Tgt Ion:165 Resp: 30153

Ion Ratio Lower Upper

165 100

63 1.6 57.0 85.4#

89 1.6 50.8 76.2#



#57

2,4-Dinitrotoluene

Concen: 11.744 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.194 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

Tgt Ion:165 Resp: 30153

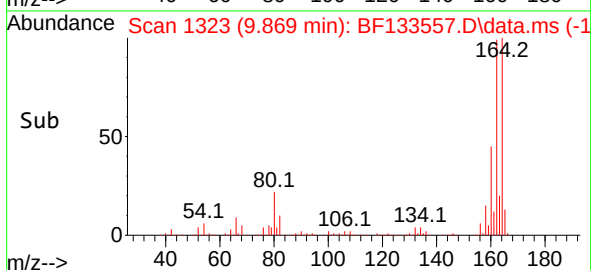
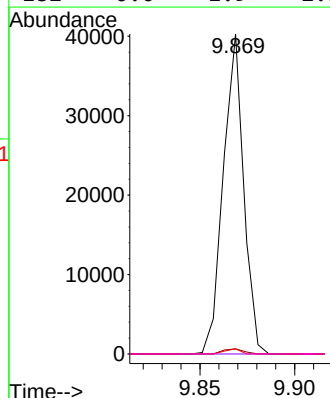
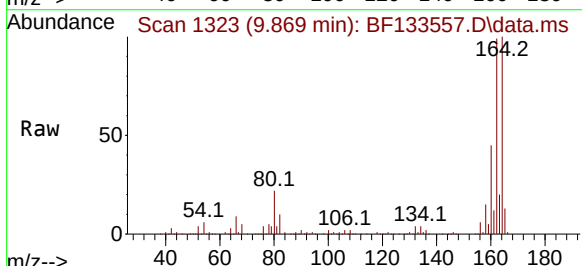
Ion Ratio Lower Upper

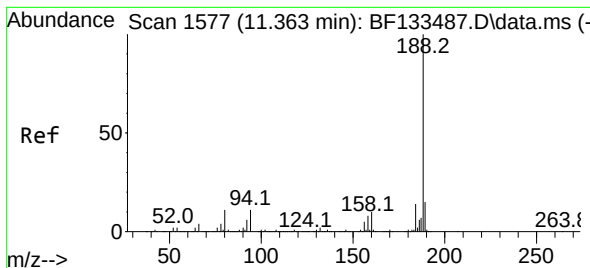
165 100

63 1.6 48.1 72.1#

89 1.6 68.4 102.6#

182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

Instrument :

BNA_F

ClientSampleId :

PB153157BL

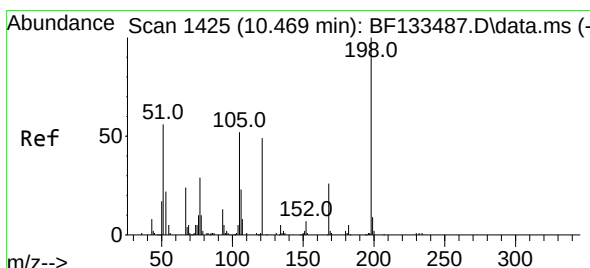
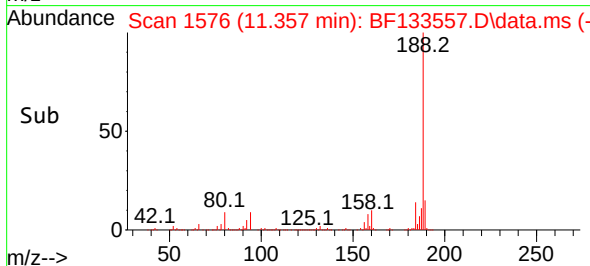
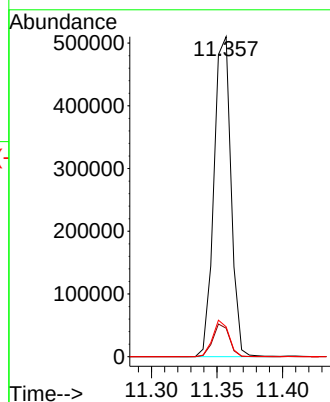
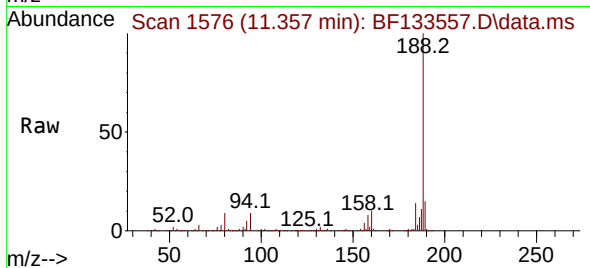
Tgt Ion:188 Resp: 462064

Ion Ratio Lower Upper

188 100

94 8.9 8.6 12.8

80 9.3 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 9.032 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

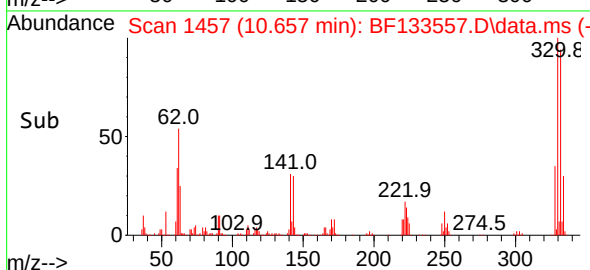
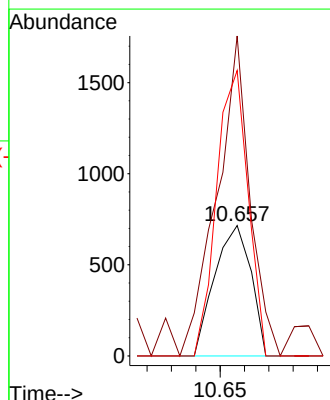
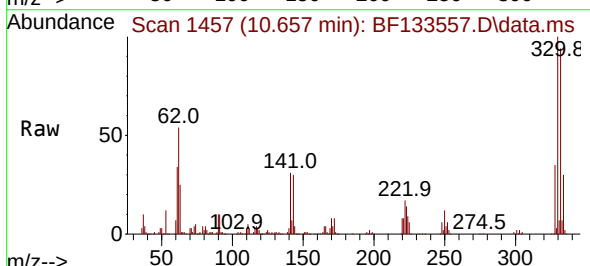
Tgt Ion:198 Resp: 740

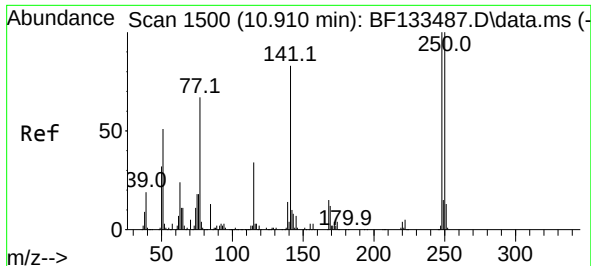
Ion Ratio Lower Upper

198 100

51 245.6 53.6 93.6#

105 219.0 35.9 75.9#

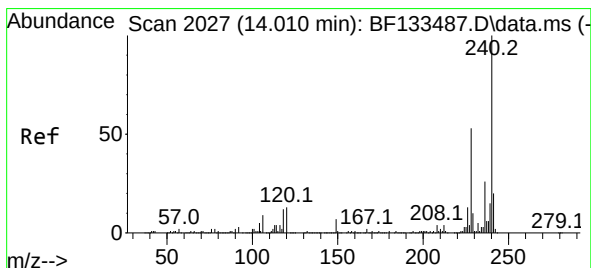
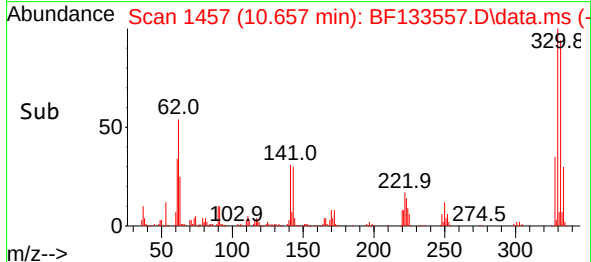
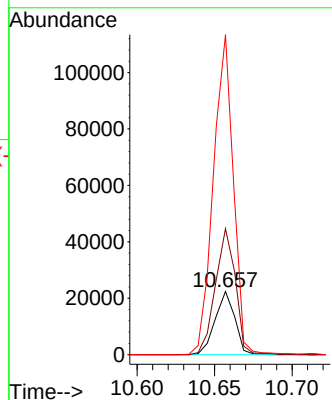
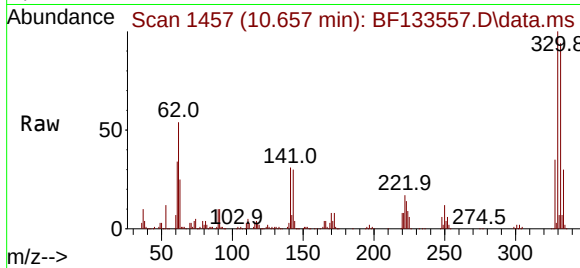




#67
4-Bromophenyl-phenylether
Concen: 4.032 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

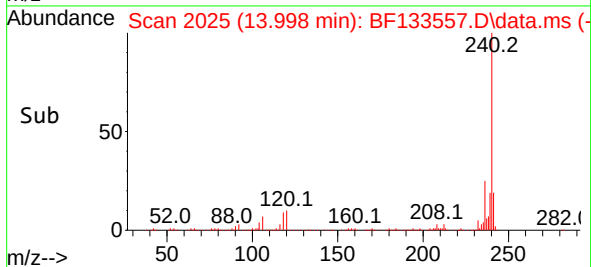
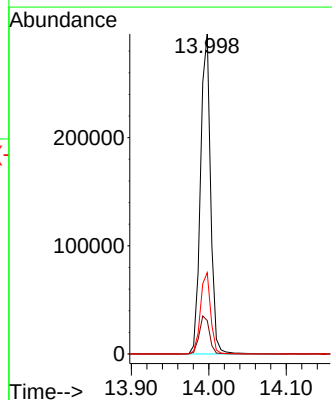
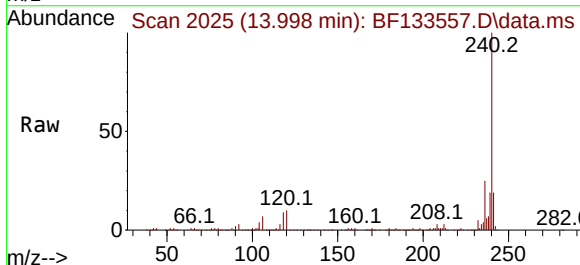
Instrument :
BNA_F
ClientSampleId :
PB153157BL

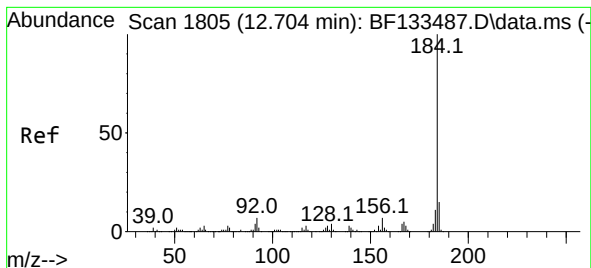
Tgt Ion:248 Resp: 19786
Ion Ratio Lower Upper
248 100
250 199.1 79.7 119.5#
141 505.6 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133557.D
Acq: 02 Jun 2023 12:21

Tgt Ion:240 Resp: 266379
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 25.4 20.5 30.7





#77

Benzidine

Concen: 2.654 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

Instrument :

BNA_F

ClientSampleId :

PB153157BL

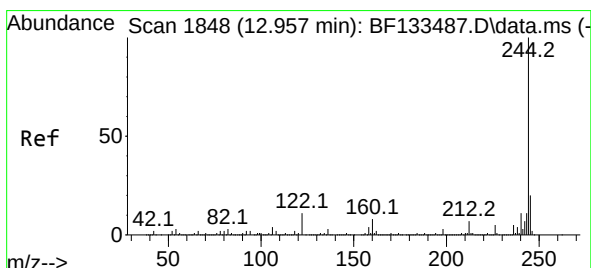
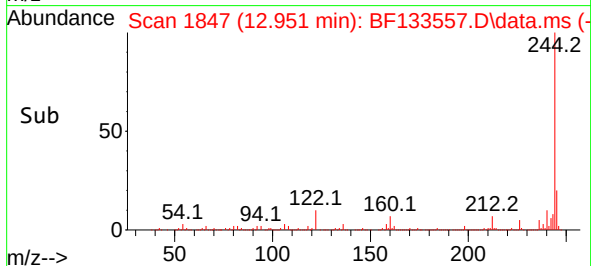
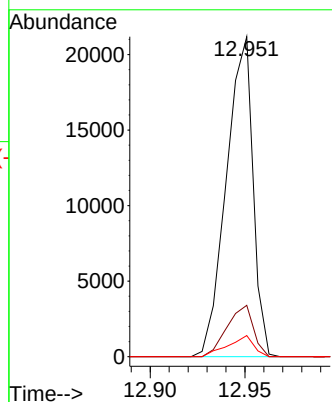
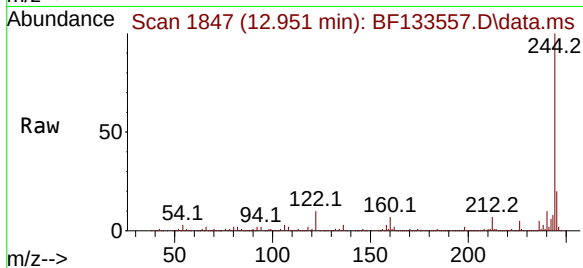
Tgt Ion:184 Resp: 20681

Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.2

183 6.6 8.7 13.1#



#79

Terphenyl-d14

Concen: 102.008 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF133557.D

Acq: 02 Jun 2023 12:21

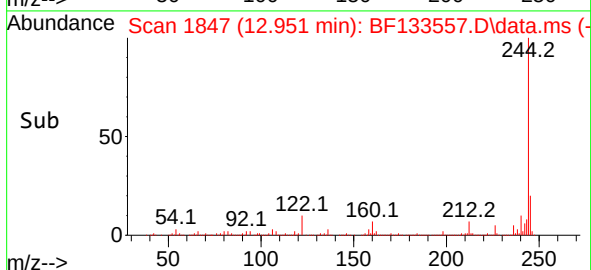
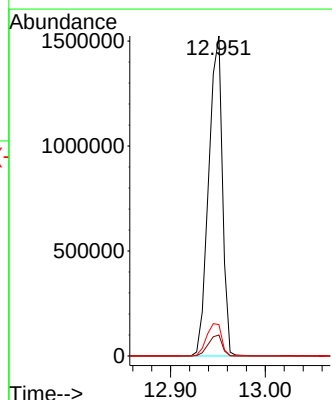
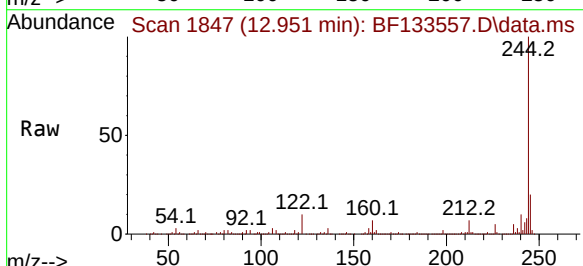
Tgt Ion:244 Resp: 1528294

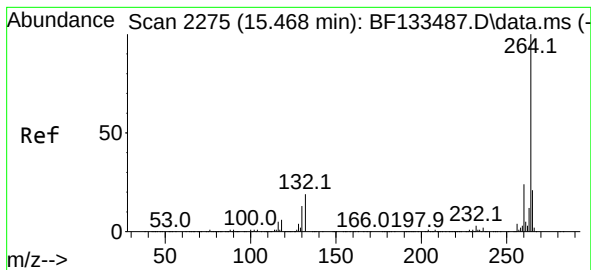
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 9.8 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133557.D

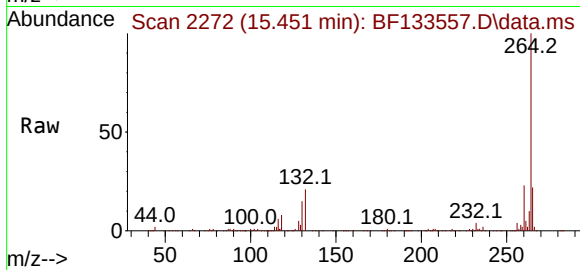
Acq: 02 Jun 2023 12:21

Instrument :

BNA_F

ClientSampleId :

PB153157BL



Tgt Ion:264 Resp: 289832

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.6 16.8 25.2

