

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133525.D
 Acq On : 30 May 2023 16:48
 Operator : CG\JU
 Sample : 02957-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10-0A

Quant Time: May 30 17:06:29 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)

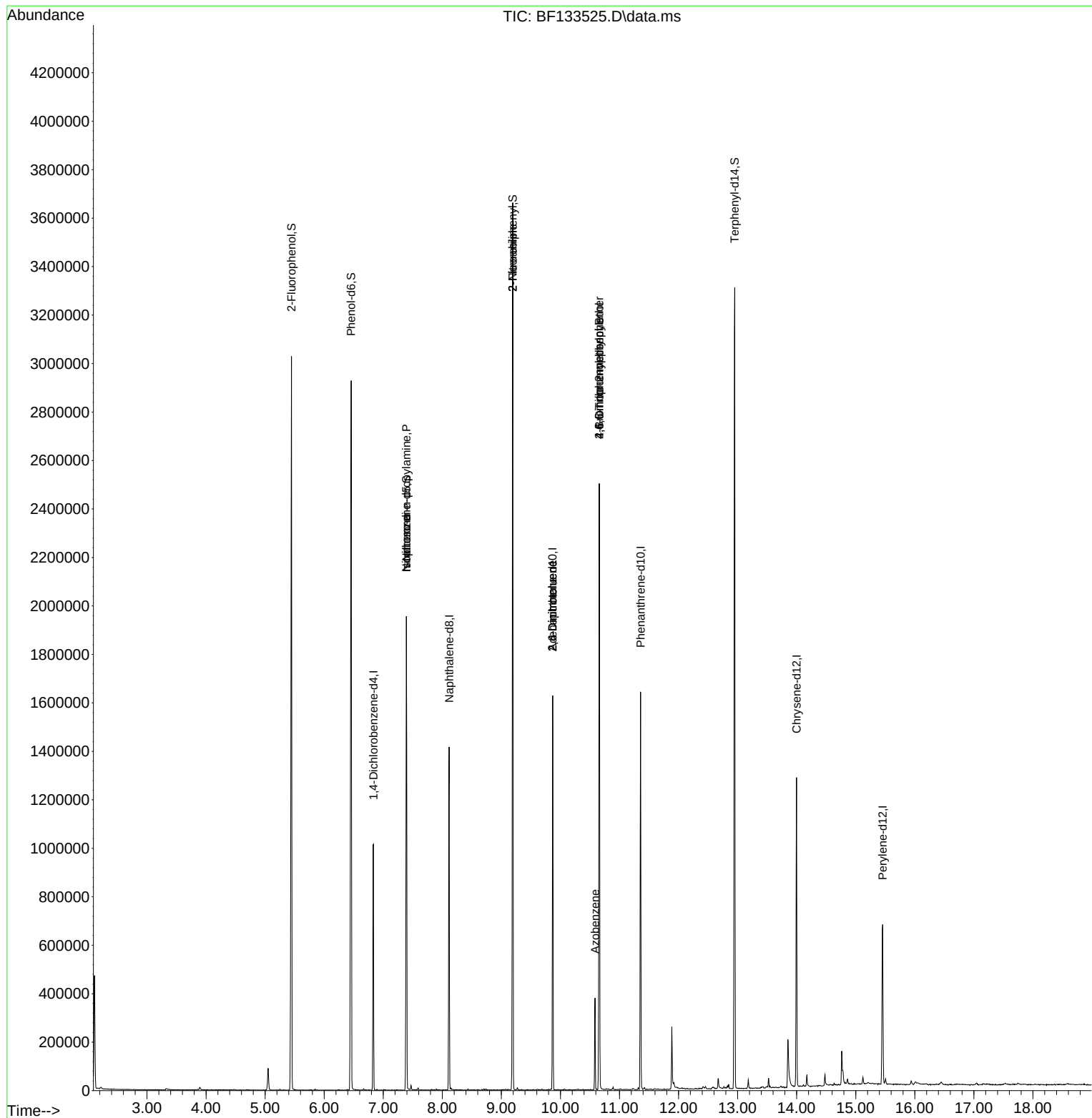
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	151484	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	576889	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	280708	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	548747	20.000	ng	0.00
76) Chrysene-d12	13.998	240	401208	20.000	ng	0.00
86) Perylene-d12	15.456	264	294827	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	806150	88.790	ng	0.00
7) Phenol-d6	6.457	99	1004479	89.873	ng	0.00
23) Nitrobenzene-d5	7.392	82	582356	67.401	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	286360	102.339	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1012685	55.681	ng	0.00
79) Terphenyl-d14	12.951	244	1240255	54.963	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.381	77	83	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	79509	10.995	ng	# 82
25) Isophorone	7.392	82	580782	28.842	ng	# 65
48) 2-Nitroaniline	9.192	65	1718	4.287	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	35733	12.477	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	35733	11.662	ng	# 15
63) Azobenzene	10.586	77	58373	2.847	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	418	8.864	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	18326	3.145	ng	# 1

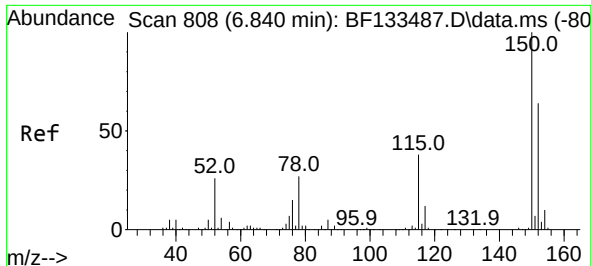
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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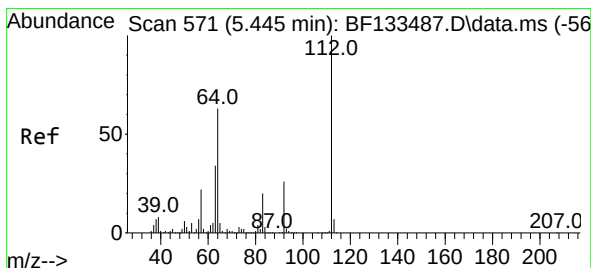
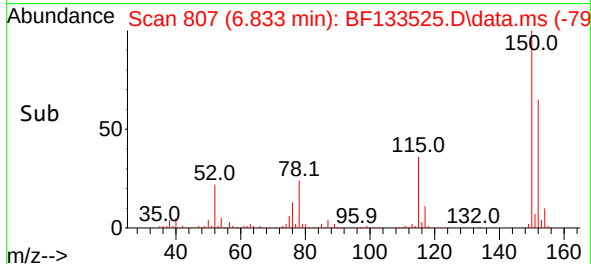
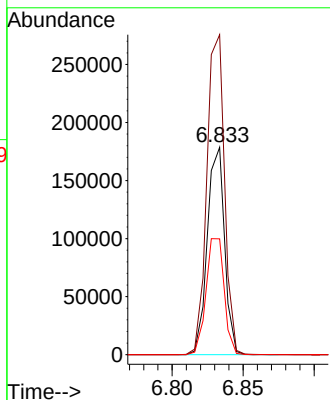
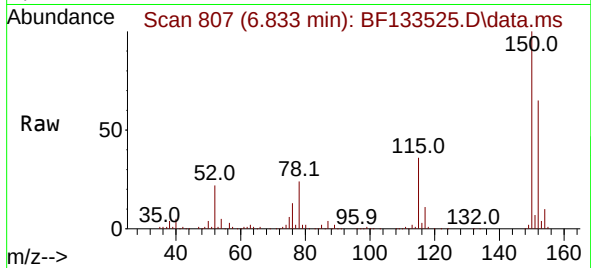




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.833 min Scan# 808
 Delta R.T. -0.001 min
 Lab File: BF133525.D
 Acq: 30 May 2023 16:48

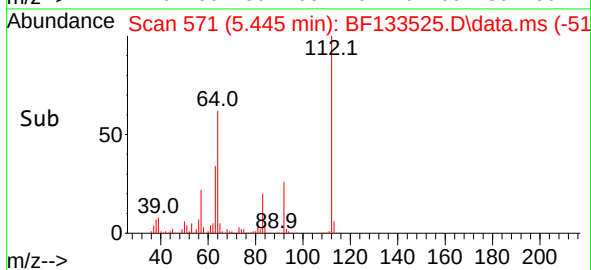
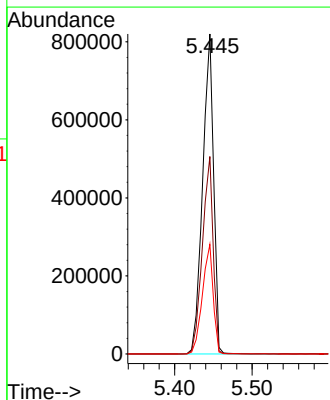
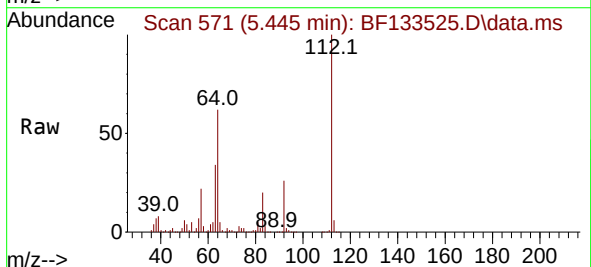
Instrument :
 BNA_F
 ClientSampleId :
 TP-10-0A

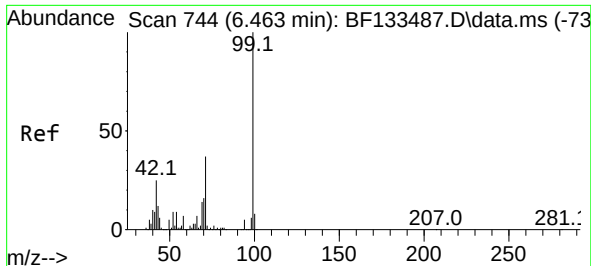
Tgt Ion:152 Resp: 151484
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.9 187.3
 115 55.9 48.1 72.1



#5
 2-Fluorophenol
 Concen: 88.790 ng
 RT: 5.445 min Scan# 571
 Delta R.T. 0.006 min
 Lab File: BF133525.D
 Acq: 30 May 2023 16:48

Tgt Ion:112 Resp: 806150
 Ion Ratio Lower Upper
 112 100
 64 61.7 50.1 75.1
 63 34.3 27.5 41.3

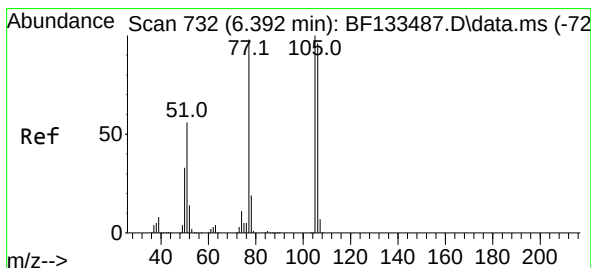
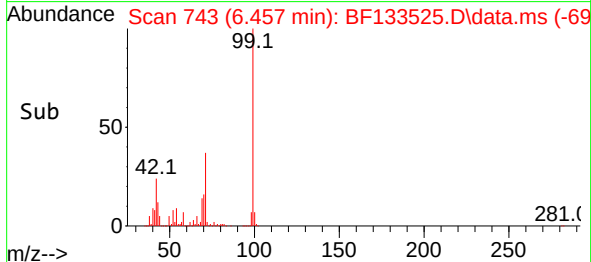
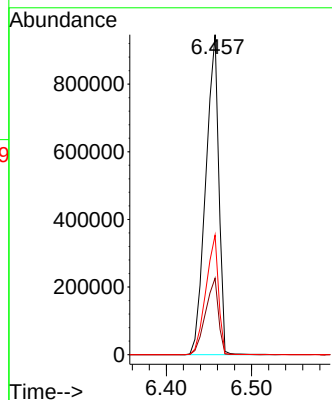
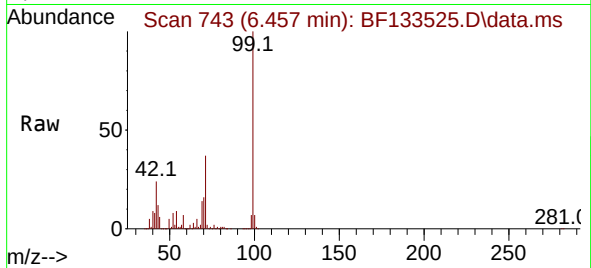




#7
Phenol-d6
Concen: 89.873 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133525.D
Acq: 30 May 2023 16:48

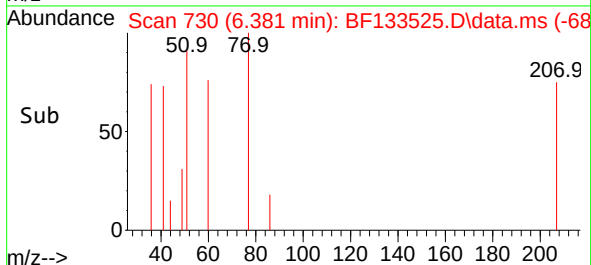
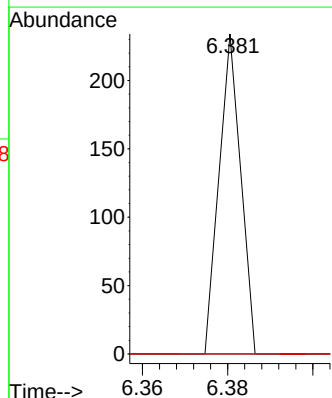
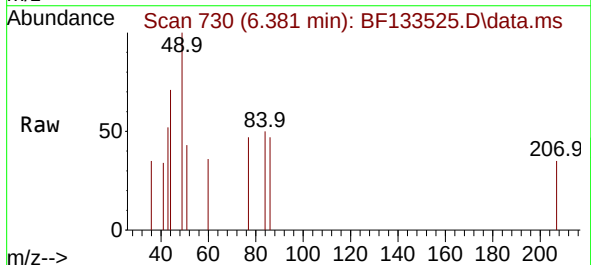
Instrument :
BNA_F
ClientSampleId :
TP-10-0A

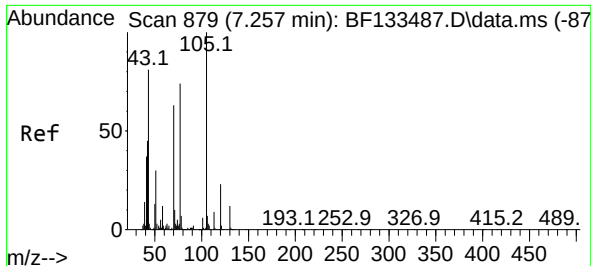
Tgt Ion: 99 Resp: 1004479
Ion Ratio Lower Upper
99 100
42 23.9 19.7 29.5
71 37.4 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133525.D
Acq: 30 May 2023 16:48

Tgt Ion: 77 Resp: 83
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

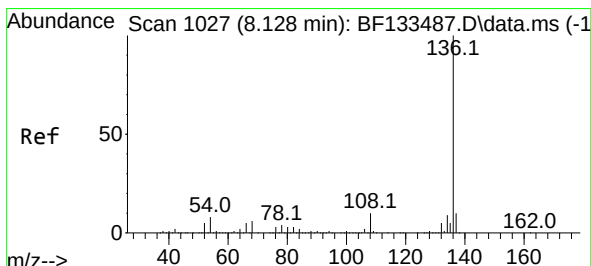
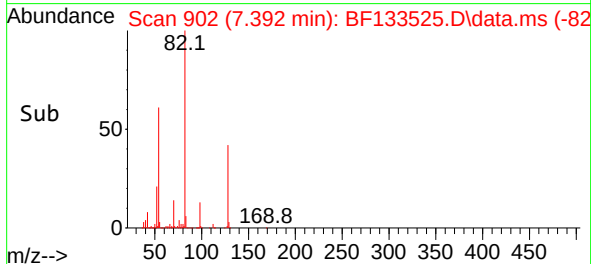
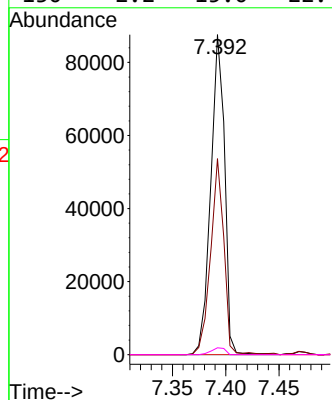
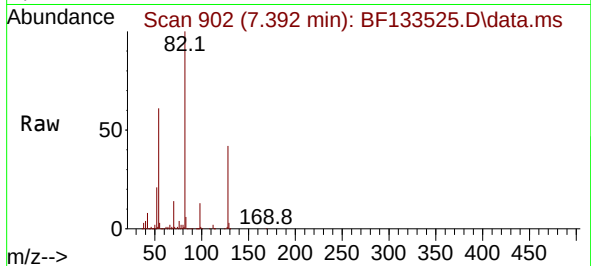




#19
n-Nitroso-di-n-propylamine
Concen: 10.995 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133525.D
Acq: 30 May 2023 16:48

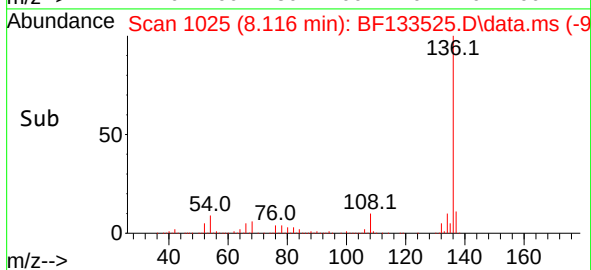
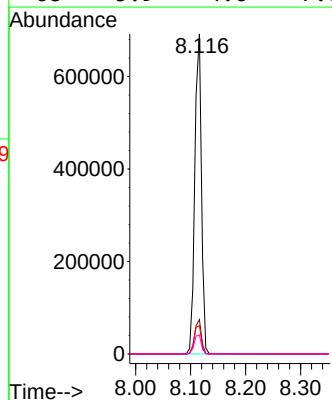
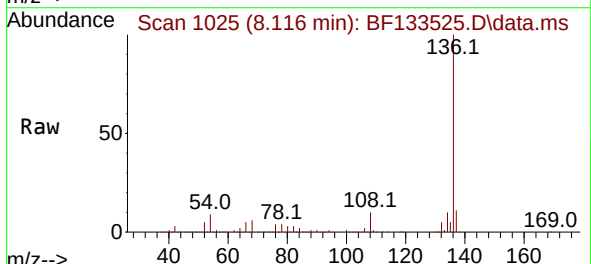
Instrument :
BNA_F
ClientSampleId :
TP-10-0A

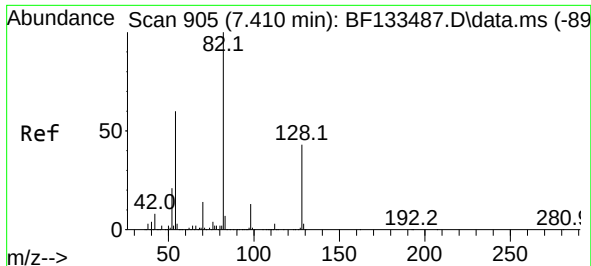
Tgt Ion: 70	Resp: 79509
Ion Ratio	Lower Upper
70 100	
42 61.2	57.2 85.8
101 0.0	7.3 10.9#
130 2.2	15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133525.D
Acq: 30 May 2023 16:48

Tgt Ion: 136	Resp: 576889
Ion Ratio	Lower Upper
136 100	
137 10.7	8.2 12.4
54 8.9	6.6 10.0
68 5.9	4.6 7.0





#23

Nitrobenzene-d5

Concen: 67.401 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

Instrument :

BNA_F

ClientSampleId :

TP-10-0A

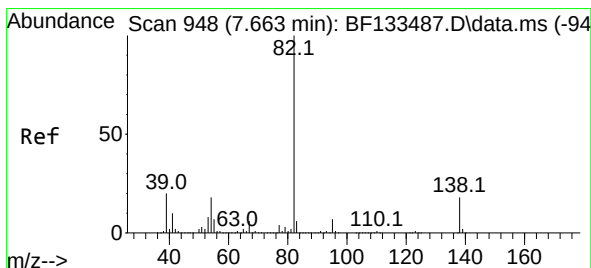
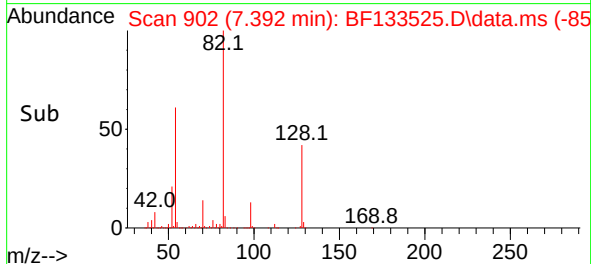
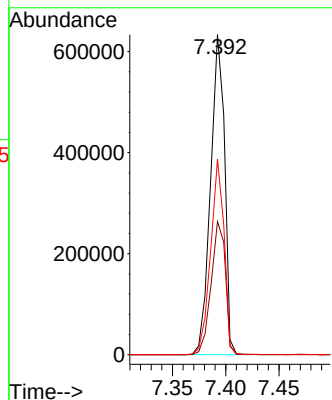
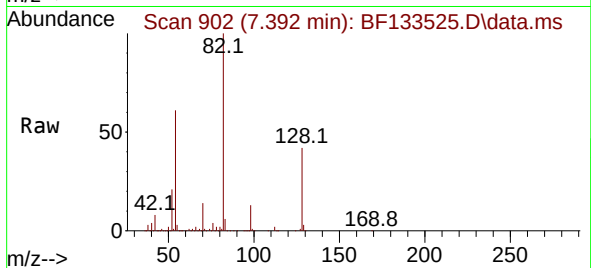
Tgt Ion: 82 Resp: 582356

Ion Ratio Lower Upper

82 100

128 41.6 34.2 51.4

54 61.0 48.2 72.4



#25

Isophorone

Concen: 28.842 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

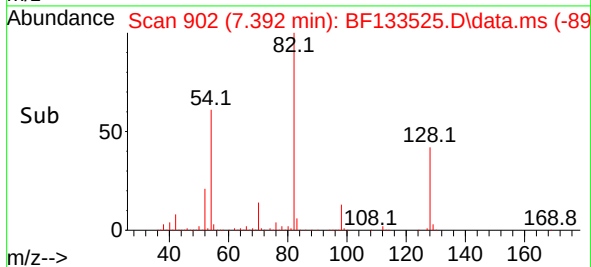
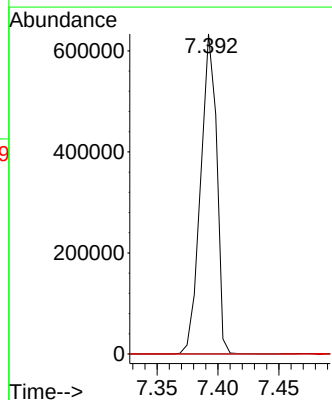
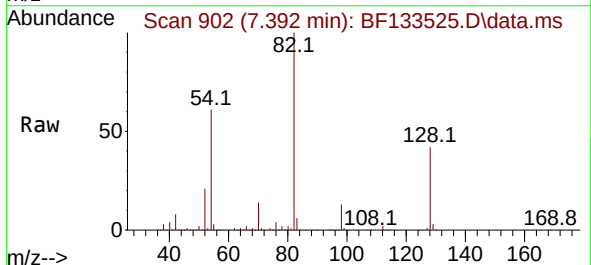
Tgt Ion: 82 Resp: 580782

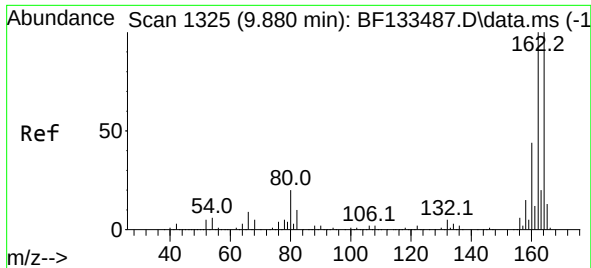
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

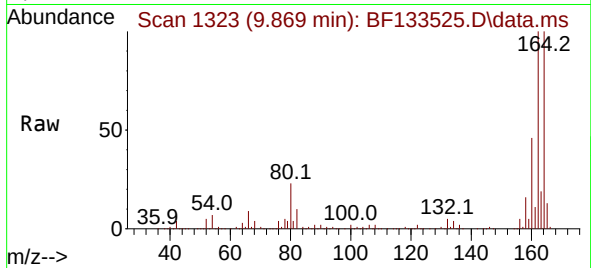
138 0.0 14.2 21.4#



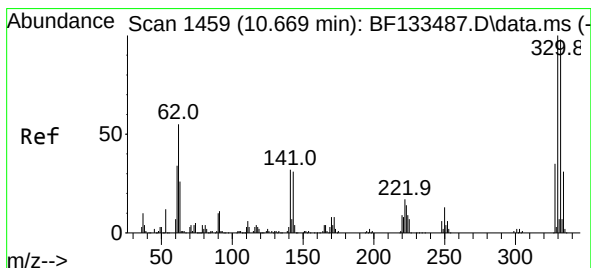
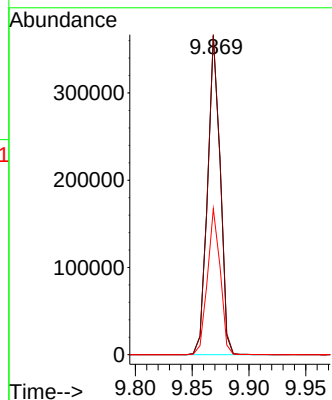
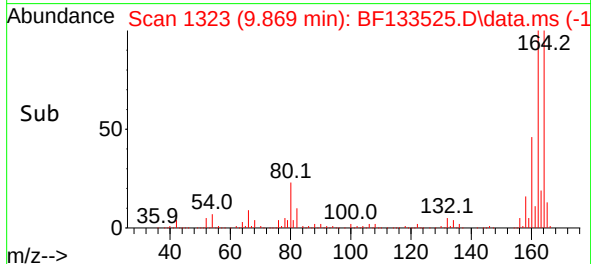


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133525.D
Acq: 30 May 2023 16:48

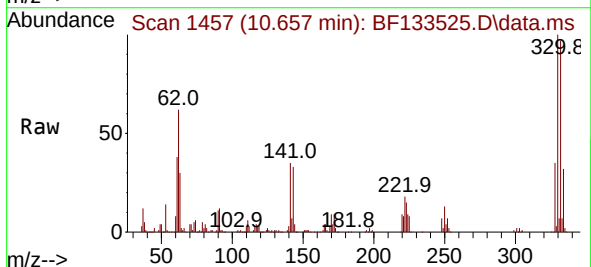
Instrument :
BNA_F
ClientSampleId :
TP-10-0A



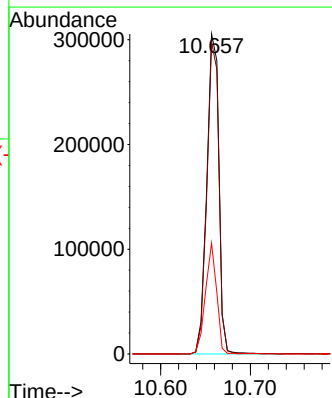
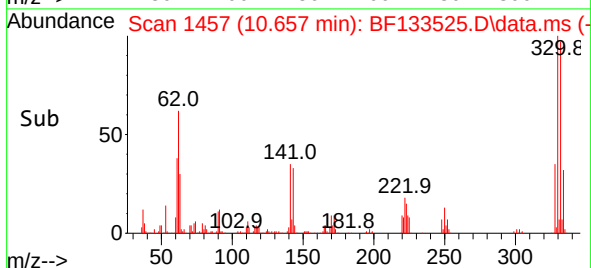
Tgt Ion:164 Resp: 280708
Ion Ratio Lower Upper
164 100
162 100.4 79.7 119.5
160 45.8 35.4 53.0

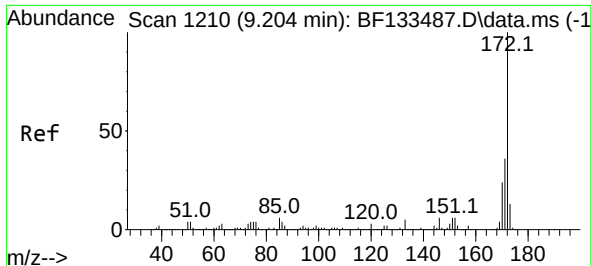


#42
2,4,6-Tribromophenol
Concen: 102.339 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133525.D
Acq: 30 May 2023 16:48



Tgt Ion:330 Resp: 286360
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.6
141 32.0 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 55.681 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

Instrument :

BNA_F

ClientSampleId :

TP-10-0A

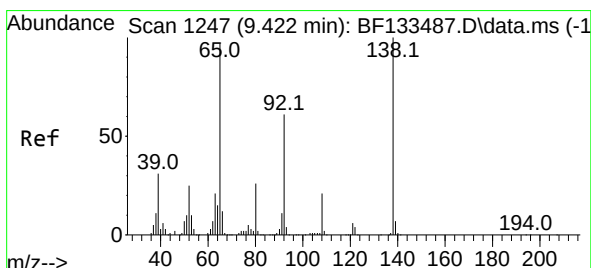
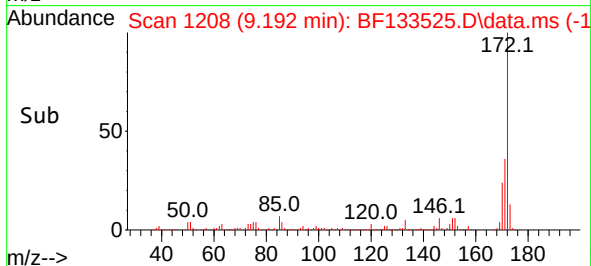
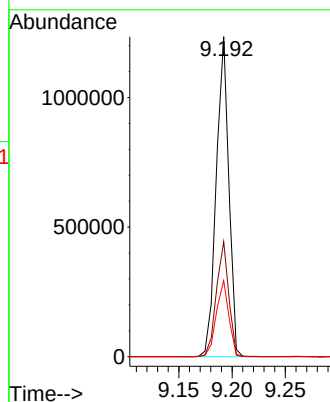
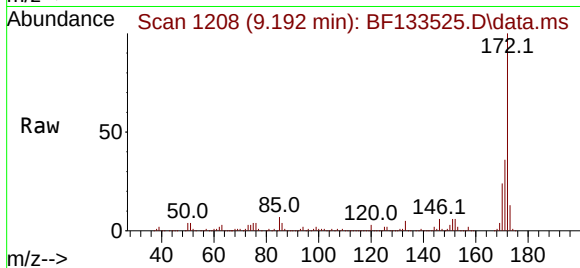
Tgt Ion:172 Resp: 1012685

Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 23.8 19.3 28.9



#48

2-Nitroaniline

Concen: 4.287 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.224 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

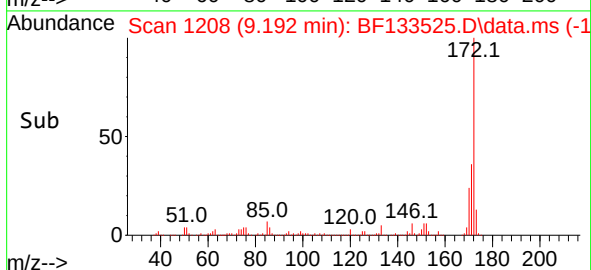
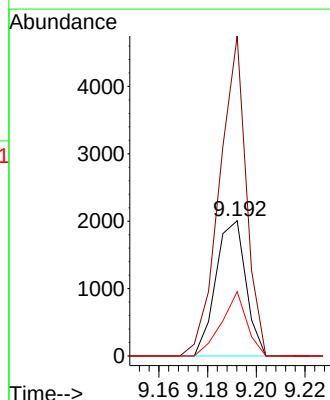
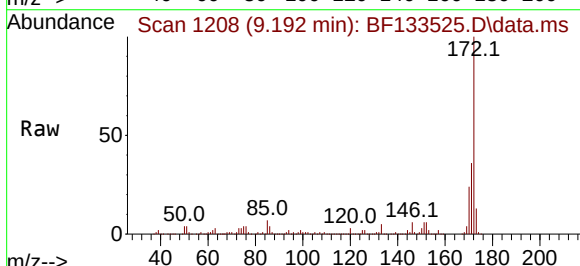
Tgt Ion: 65 Resp: 1718

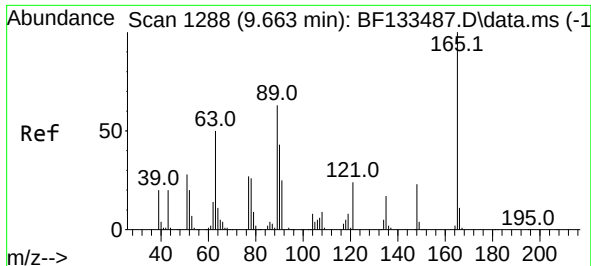
Ion Ratio Lower Upper

65 100

92 236.7 50.8 76.2#

138 47.7 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.477 ng

RT: 9.869 min Scan# 1

Delta R.T. 0.211 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

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TP-10-0A

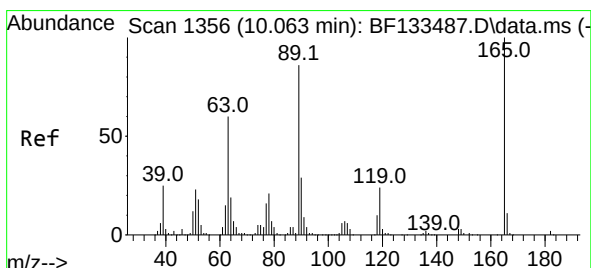
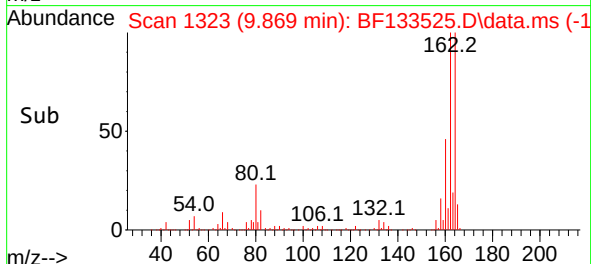
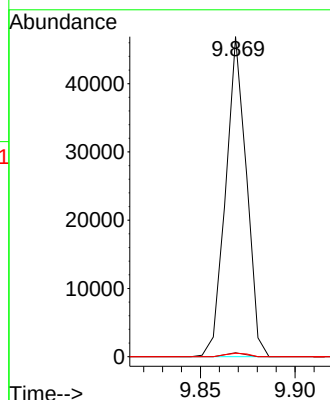
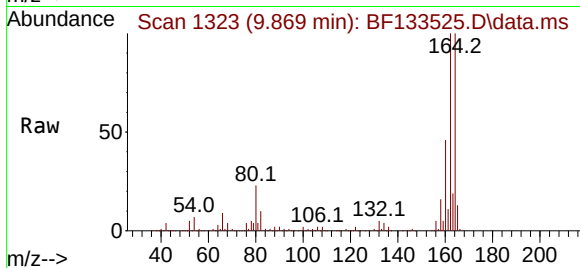
Tgt Ion:165 Resp: 35733

Ion Ratio Lower Upper

165 100

63 1.3 57.0 85.4#

89 1.0 50.8 76.2#



#57

2,4-Dinitrotoluene

Concen: 11.662 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.194 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

Tgt Ion:165 Resp: 35733

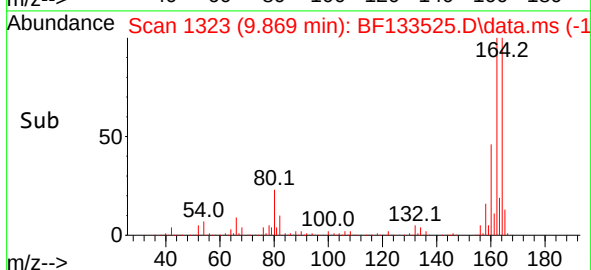
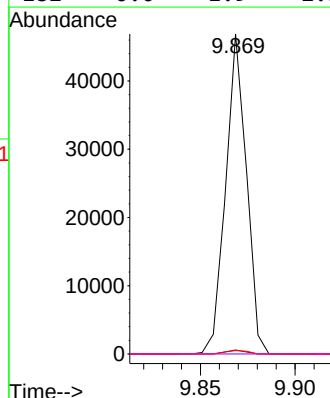
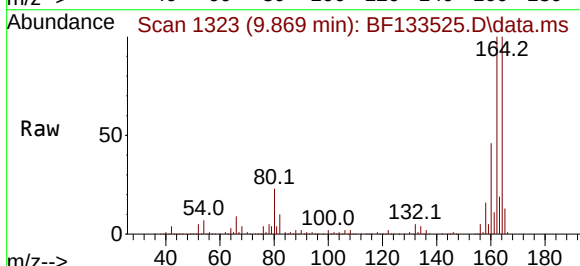
Ion Ratio Lower Upper

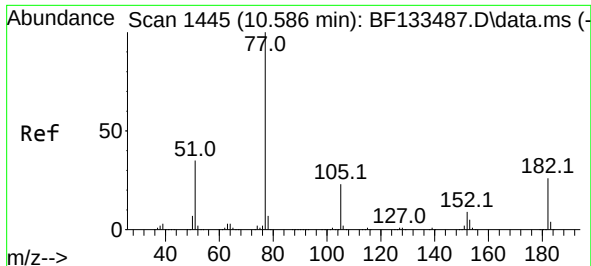
165 100

63 1.3 48.1 72.1#

89 1.0 68.4 102.6#

182 0.0 1.9 2.9#

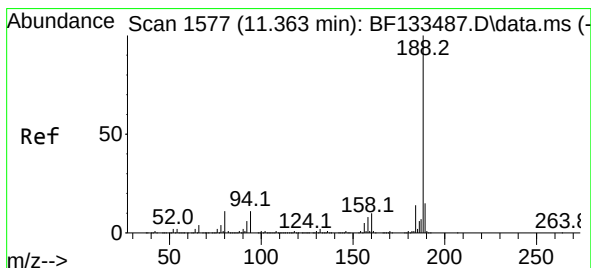
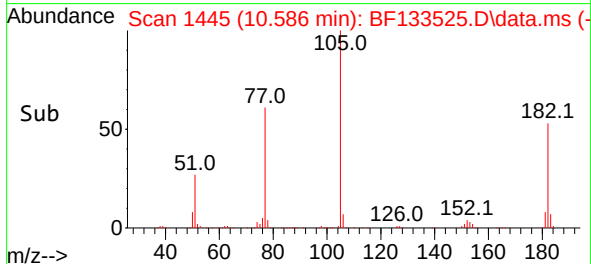
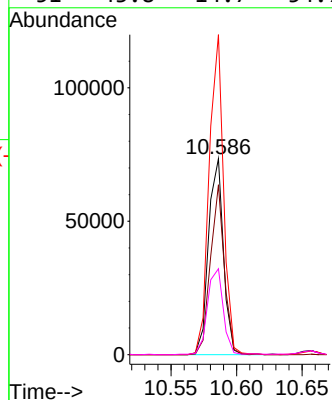
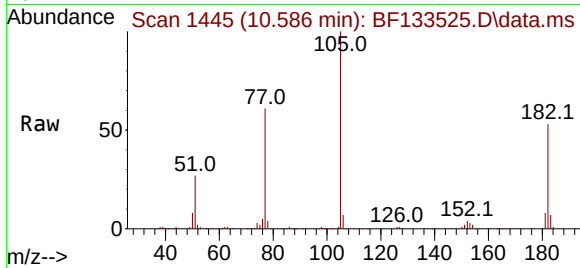




#63
Azobenzene
Concen: 2.847 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.011 min
Lab File: BF133525.D
Acq: 30 May 2023 16:48

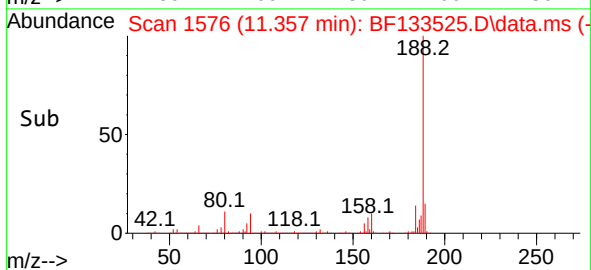
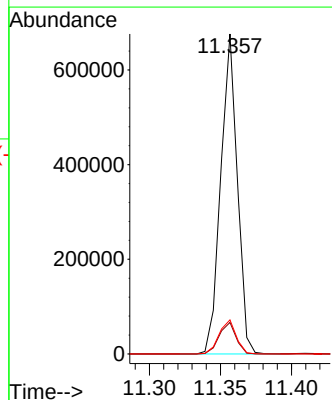
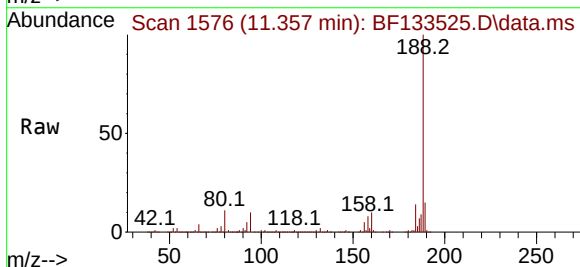
Instrument :
BNA_F
ClientSampleId :
TP-10-0A

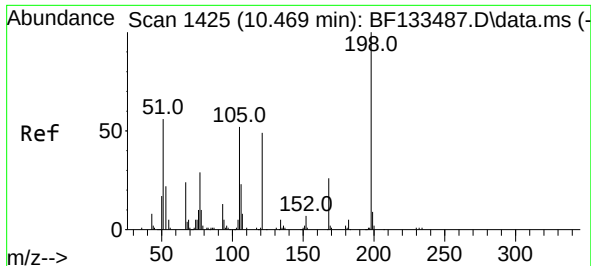
Tgt Ion: 77 Resp: 58373
Ion Ratio Lower Upper
77 100
182 86.7 5.6 45.6#
105 163.3 2.6 42.6#
51 43.8 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF133525.D
Acq: 30 May 2023 16:48

Tgt Ion: 188 Resp: 548747
Ion Ratio Lower Upper
188 100
94 9.9 8.6 12.8
80 10.7 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.864 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

Instrument :

BNA_F

ClientSampleId :

TP-10-0A

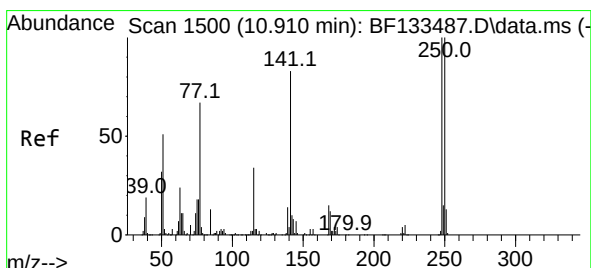
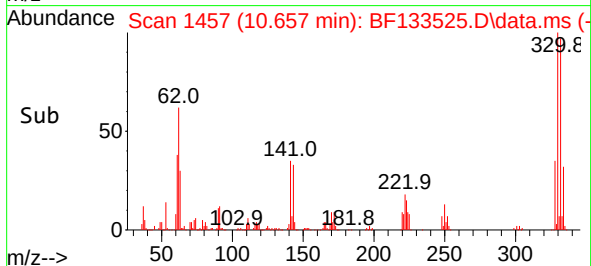
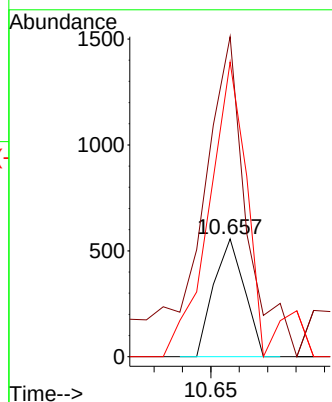
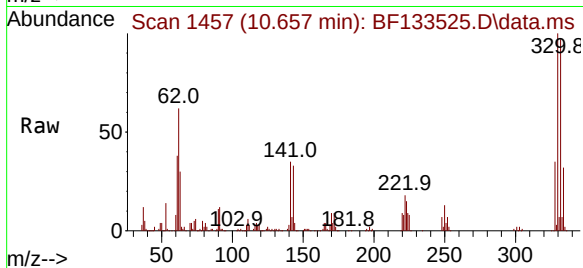
Tgt Ion:198 Resp: 418

Ion Ratio Lower Upper

198 100

51 271.8 53.6 93.6#

105 250.4 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 3.145 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

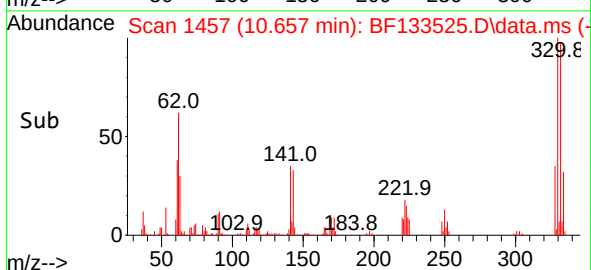
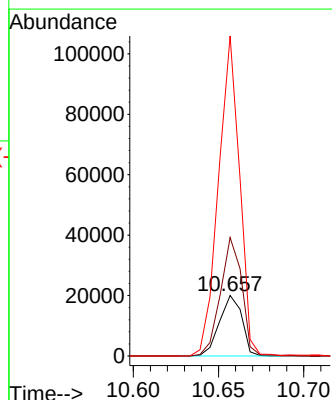
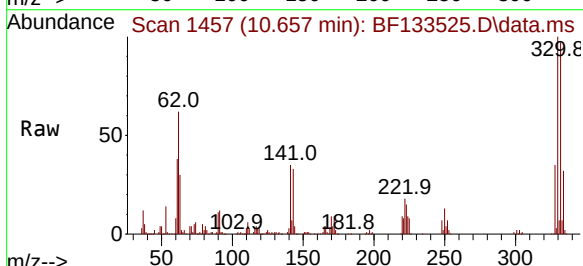
Tgt Ion:248 Resp: 18326

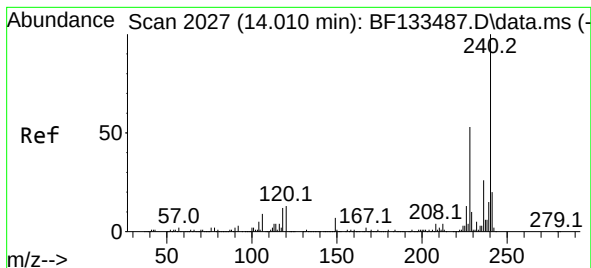
Ion Ratio Lower Upper

248 100

250 196.0 79.7 119.5#

141 529.5 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

Instrument :

BNA_F

ClientSampleId :

TP-10-0A

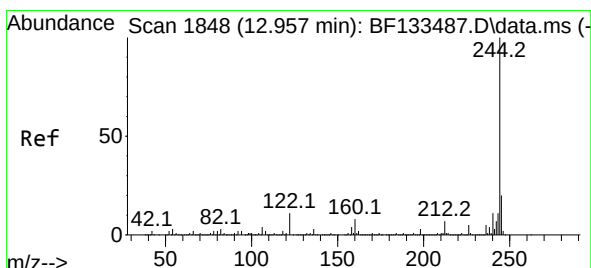
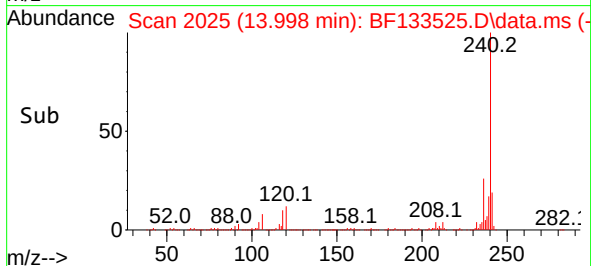
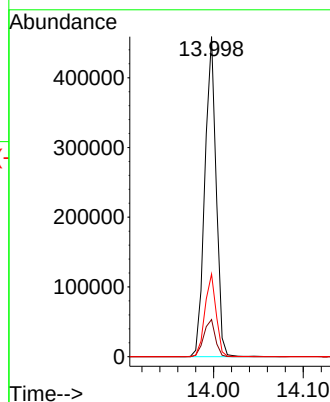
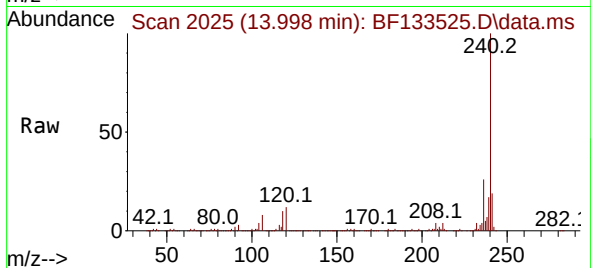
Tgt Ion:240 Resp: 401208

Ion Ratio Lower Upper

240 100

120 11.6 10.3 15.5

236 25.8 20.5 30.7



#79

Terphenyl-d14

Concen: 54.963 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF133525.D

Acq: 30 May 2023 16:48

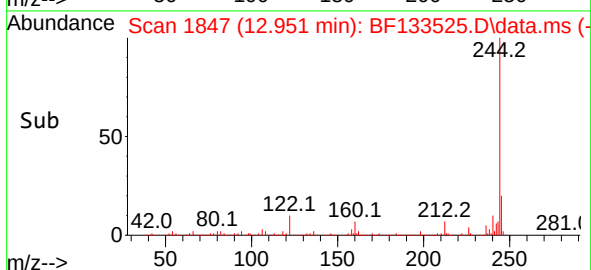
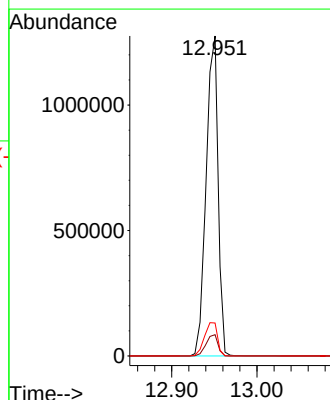
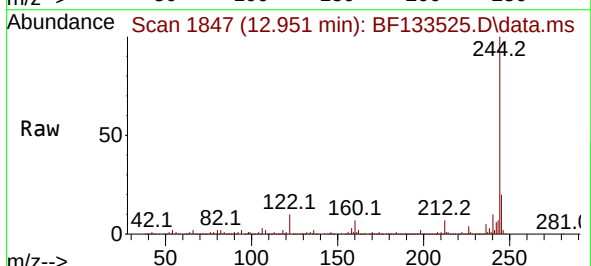
Tgt Ion:244 Resp: 1240255

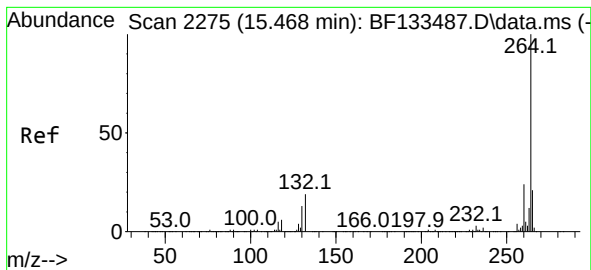
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 10.3 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133525.D

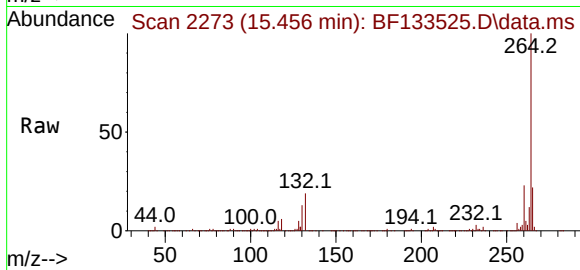
Acq: 30 May 2023 16:48

Instrument :

BNA_F

ClientSampleId :

TP-10-0A



Tgt Ion:264 Resp: 294827

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.6 16.8 25.2

