

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
 Data File : BF133571.D
 Acq On : 05 Jun 2023 18:05
 Operator : CG\JU
 Sample : 02986-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-0A

Quant Time: Jun 06 01:05:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 17:49:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	136688	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	498622	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	220626	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	378520	20.000	ng	0.00
76) Chrysene-d12	13.998	240	241986	20.000	ng	0.00
86) Perylene-d12	15.457	264	192412	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	611884	74.689	ng	0.00
7) Phenol-d6	6.457	99	727775	72.164	ng	0.00
23) Nitrobenzene-d5	7.392	82	434488	58.181	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	163570	74.376	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	763543	53.415	ng	0.00
79) Terphenyl-d14	12.945	244	668218	49.097	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.387	77	834	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	60325	9.245	ng	# 77
25) Isophorone	7.392	82	434477	24.963	ng	# 65
32) Benzoic acid	7.798	122	530	7.441	ng	# 81
48) 2-Nitroaniline	9.322	65	392	4.077	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	27296	12.230	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	27296	11.468	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.657	198	359	8.901	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	10191	2.535	ng	# 1
90) Benzo(a)pyrene	15.486	252	60150	5.276	ng	# 92

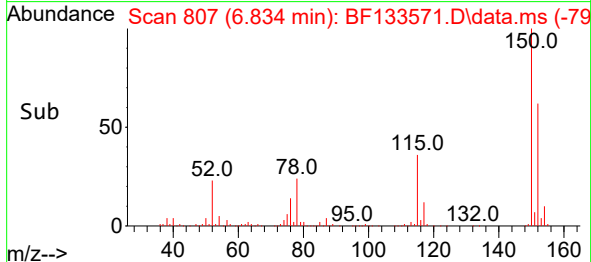
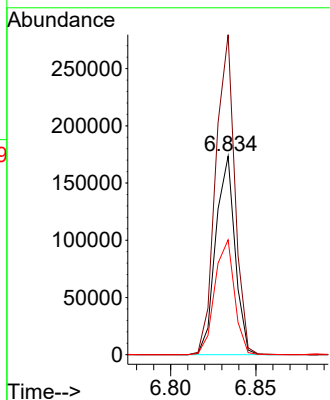
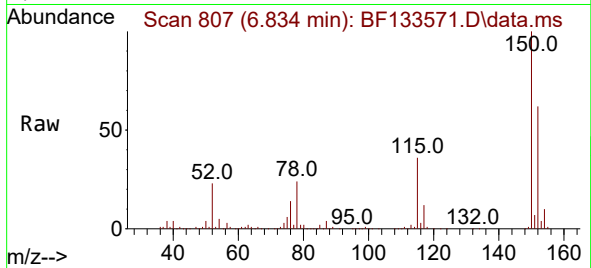
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

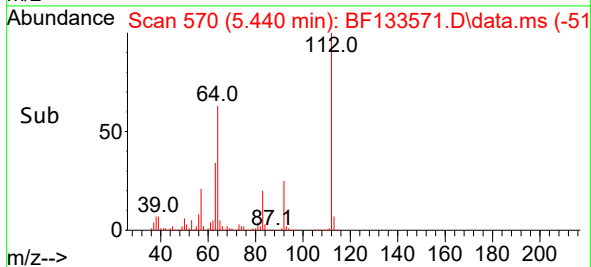
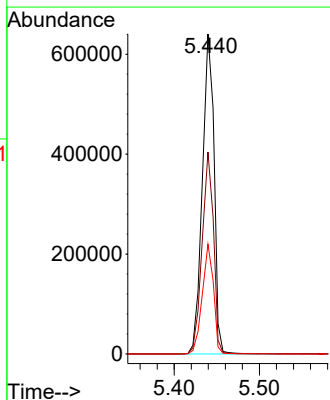
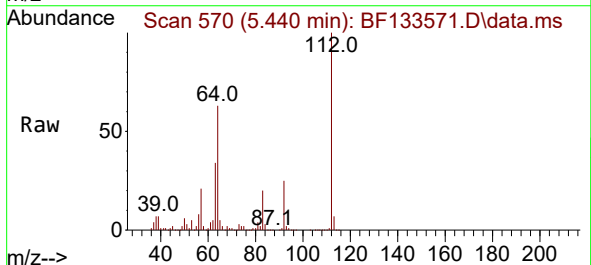
Instrument :
BNA_F
ClientSampleId :
TP-13-0A

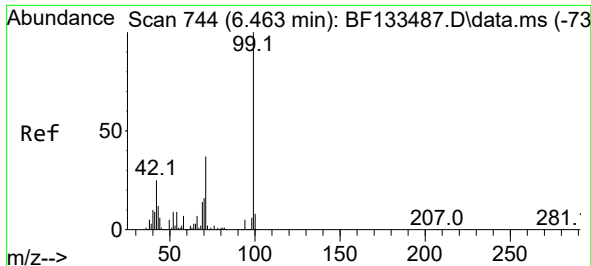
Tgt Ion:152 Resp: 136688
Ion Ratio Lower Upper
152 100
150 161.2 124.9 187.3
115 57.8 48.1 72.1



#5
2-Fluorophenol
Concen: 74.689 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

Tgt Ion:112 Resp: 611884
Ion Ratio Lower Upper
112 100
64 63.1 50.1 75.1
63 34.3 27.5 41.3

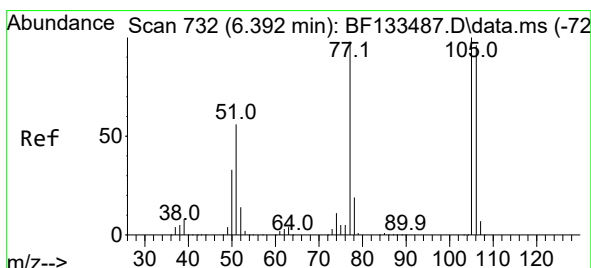
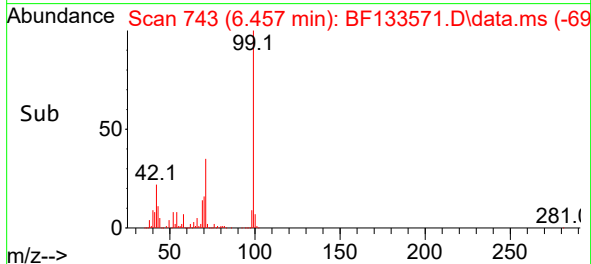
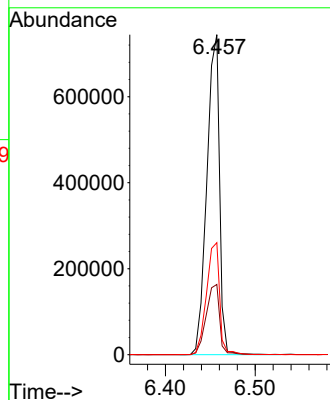
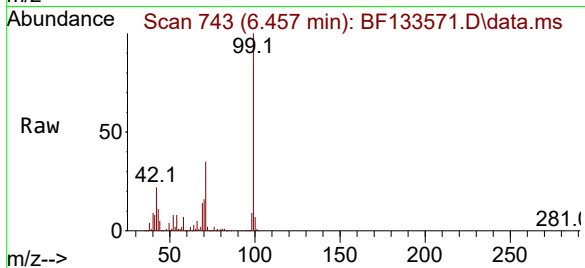




#7
Phenol-d6
Concen: 72.164 ng
RT: 6.457 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

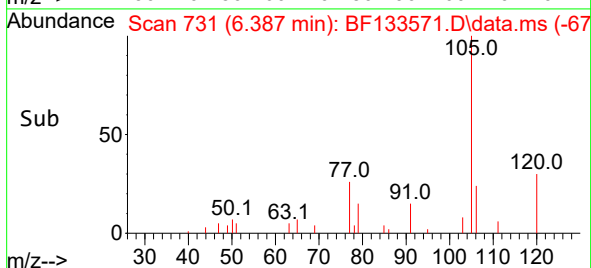
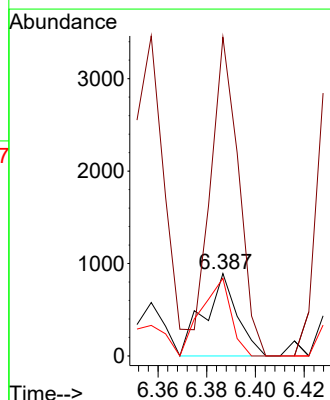
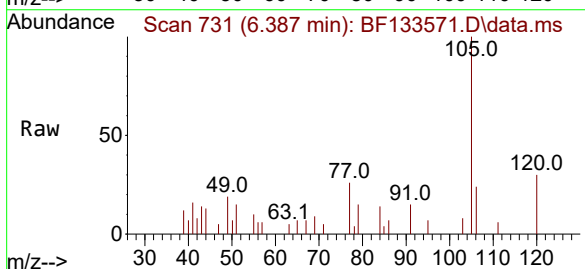
Instrument :
BNA_F
ClientSampleId :
TP-13-0A

Tgt Ion: 99 Resp: 727775
Ion Ratio Lower Upper
99 100
42 22.0 19.7 29.5
71 35.0 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

Tgt Ion: 77 Resp: 834
Ion Ratio Lower Upper
77 100
105 386.5 81.9 121.9#
106 94.1 77.8 117.8

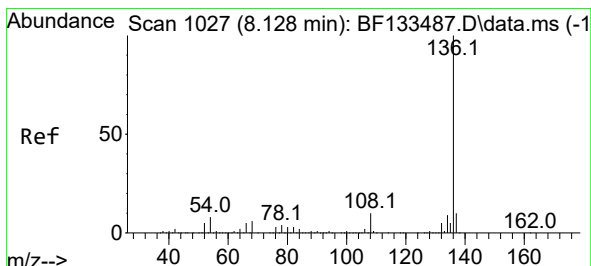
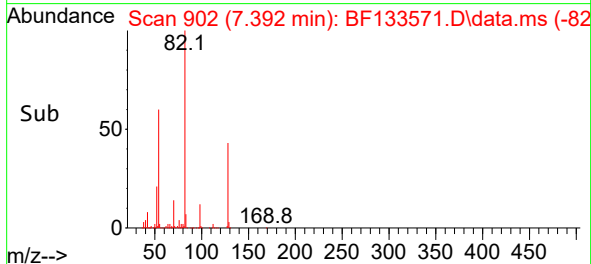
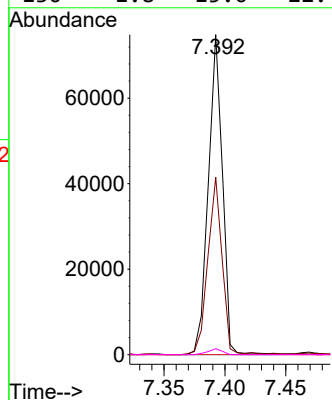
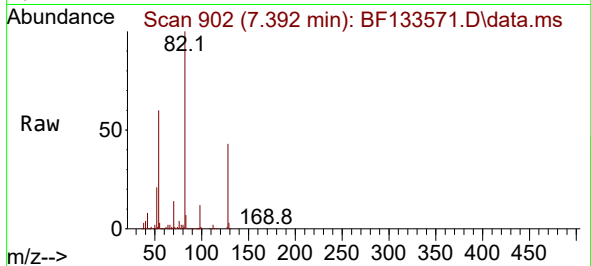




#19
n-Nitroso-di-n-propylamine
Concen: 9.245 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

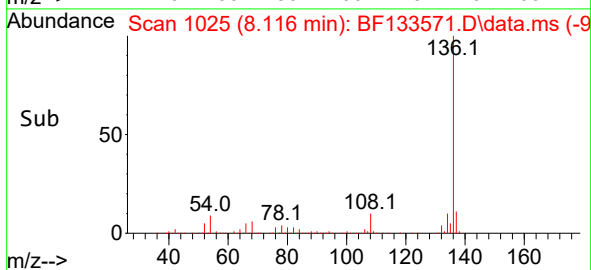
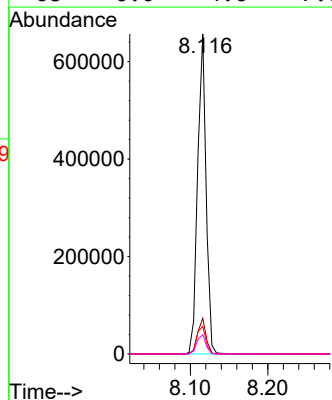
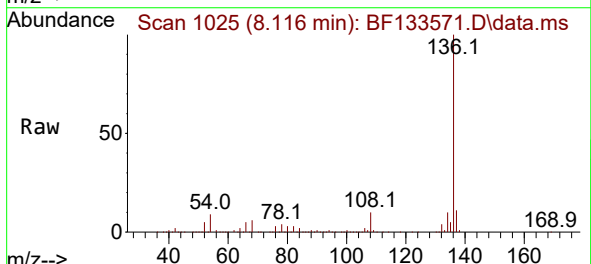
Instrument :
BNA_F
ClientSampleId :
TP-13-0A

Tgt Ion: 70 Resp: 60325
Ion Ratio Lower Upper
70 100
42 55.5 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: 8.116 min Scan# 1025
Delta R.T. 0.000 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

Tgt Ion:136 Resp: 498622
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.4
54 8.6 6.6 10.0
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 58.181 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF133571.D

Acq: 05 Jun 2023 18:05

Instrument :

BNA_F

ClientSampleId :

TP-13-0A

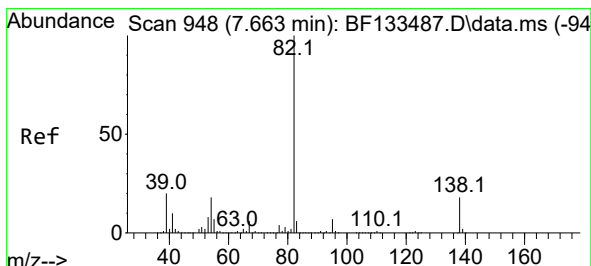
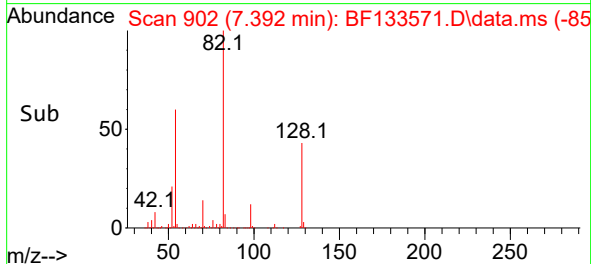
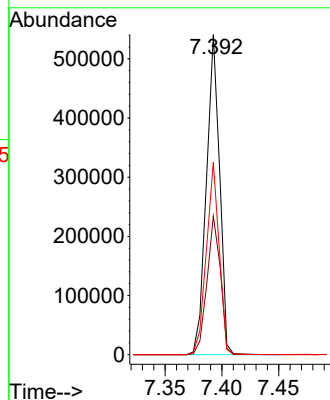
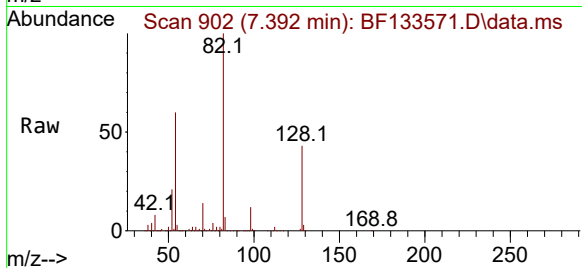
Tgt Ion: 82 Resp: 434488

Ion Ratio Lower Upper

82 100

128 43.4 34.2 51.4

54 60.1 48.2 72.4



#25

Isophorone

Concen: 24.963 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133571.D

Acq: 05 Jun 2023 18:05

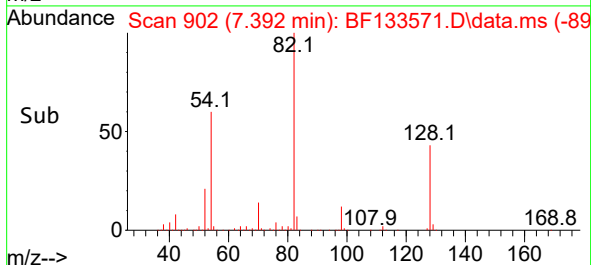
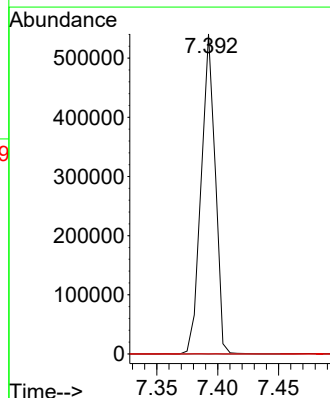
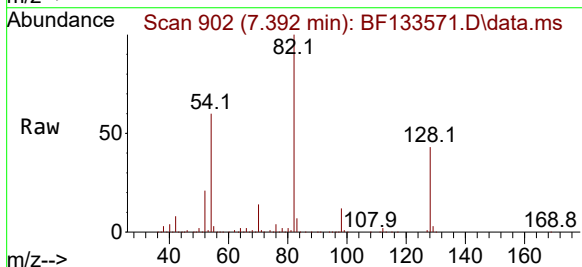
Tgt Ion: 82 Resp: 434477

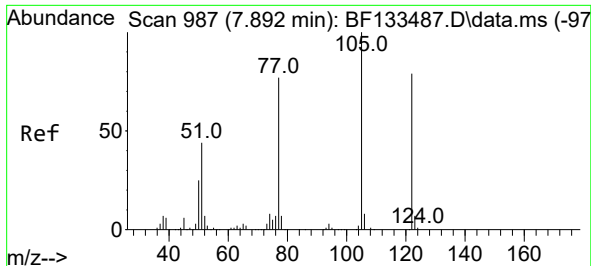
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

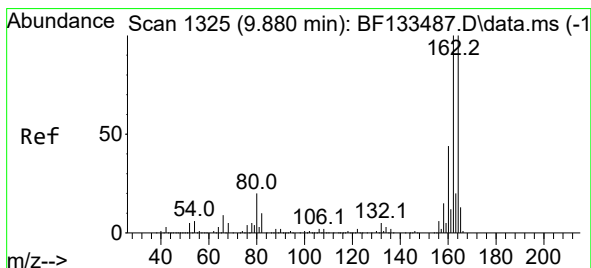
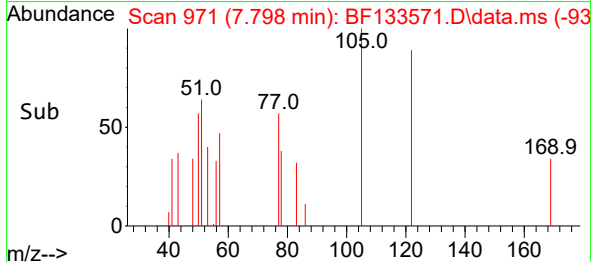
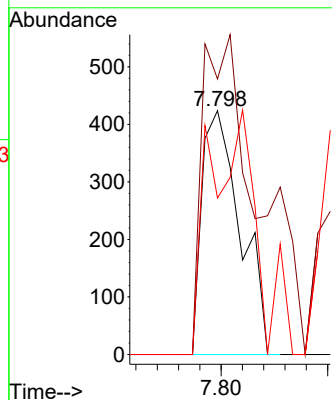
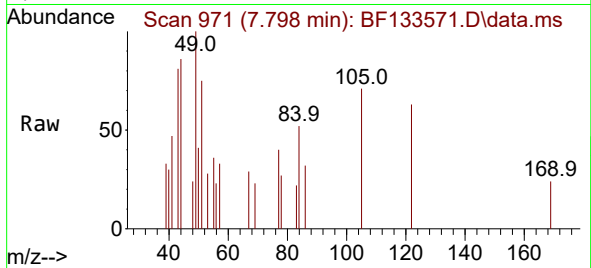




#32
Benzoic acid
Concen: 7.441 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.065 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

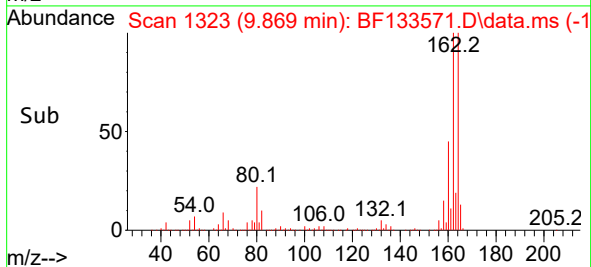
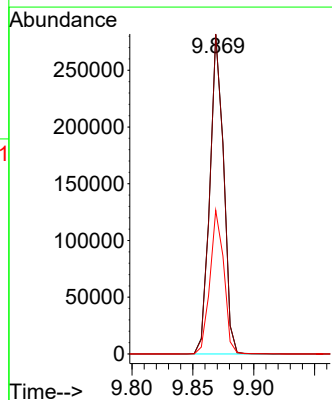
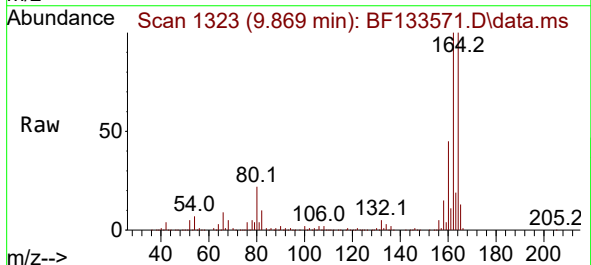
Instrument :
BNA_F
ClientSampleId :
TP-13-0A

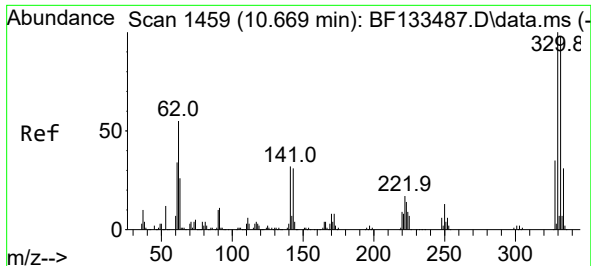
Tgt Ion:122 Resp: 530
Ion Ratio Lower Upper
122 100
105 113.0 103.3 143.3
77 64.2 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

Tgt Ion:164 Resp: 220626
Ion Ratio Lower Upper
164 100
162 100.2 79.7 119.5
160 45.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 74.376 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133571.D

Acq: 05 Jun 2023 18:05

Instrument :

BNA_F

ClientSampleId :

TP-13-0A

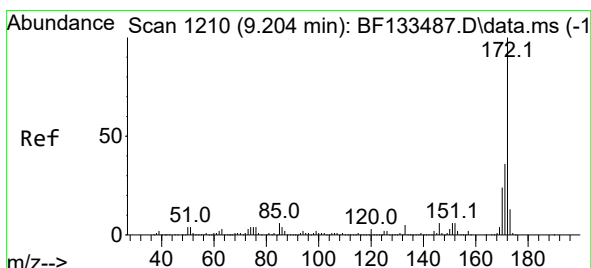
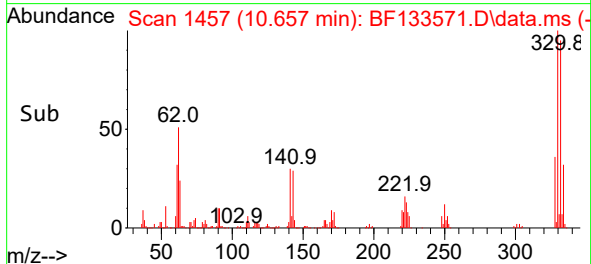
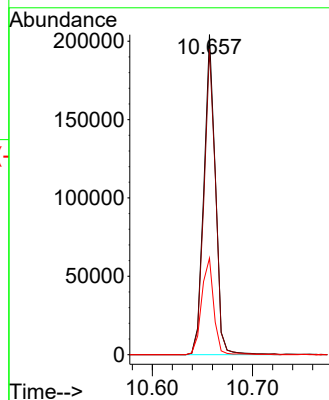
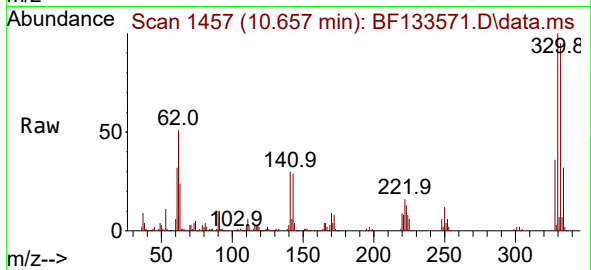
Tgt Ion:330 Resp: 163570

Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.6

141 31.8 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 53.415 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.000 min

Lab File: BF133571.D

Acq: 05 Jun 2023 18:05

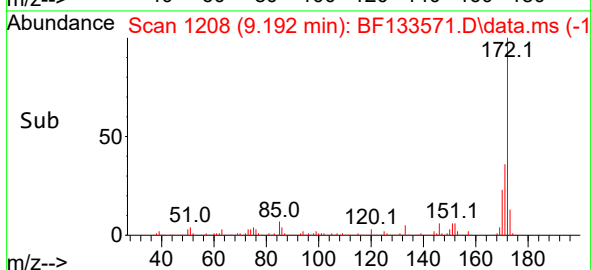
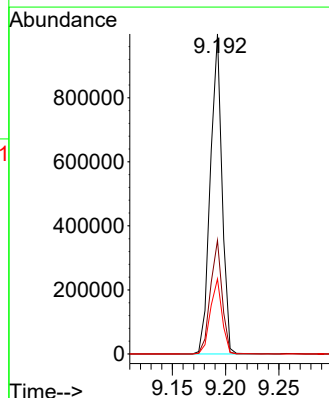
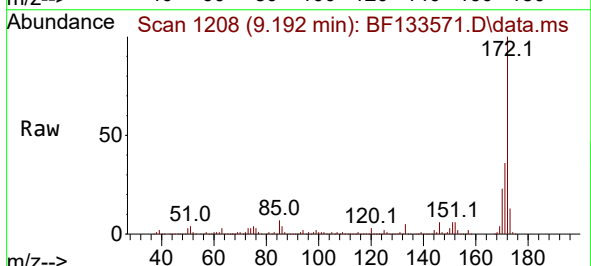
Tgt Ion:172 Resp: 763543

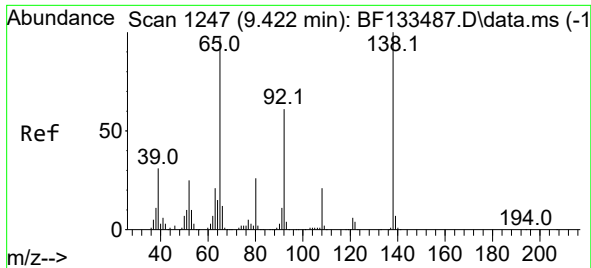
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.5 19.3 28.9

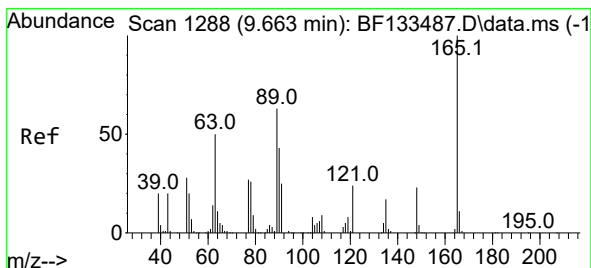
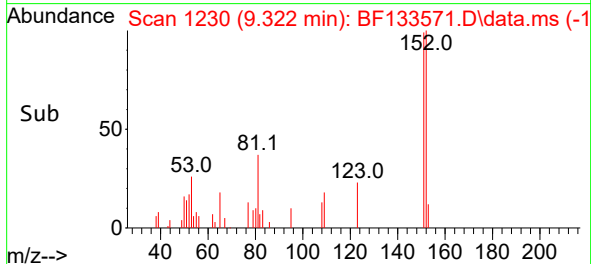
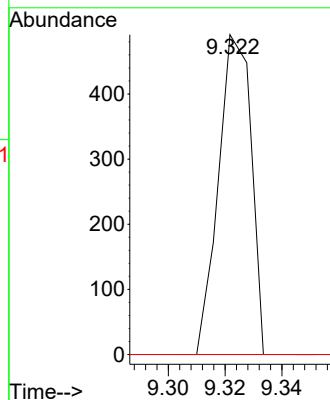
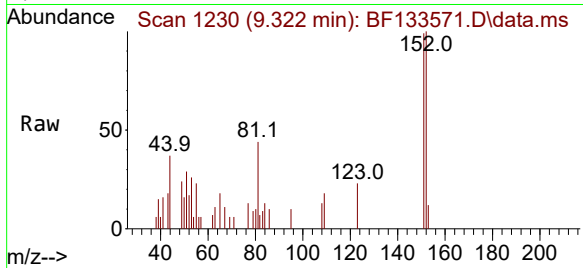




#48
2-Nitroaniline
Concen: 4.077 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.088 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

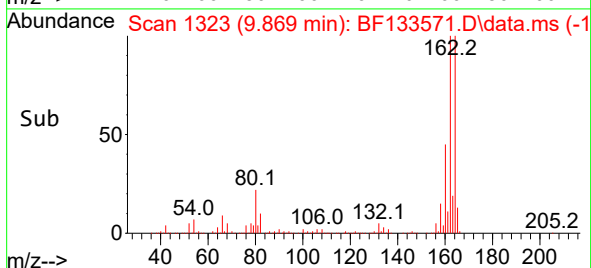
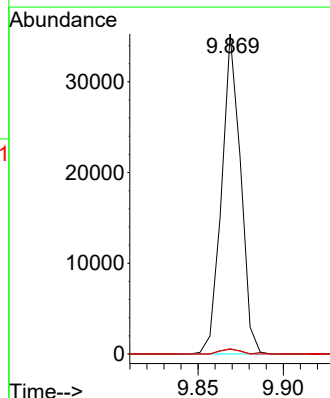
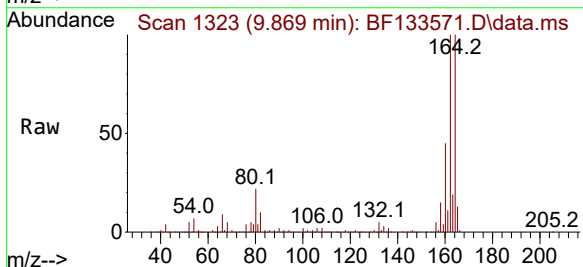
Instrument :
BNA_F
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TP-13-0A

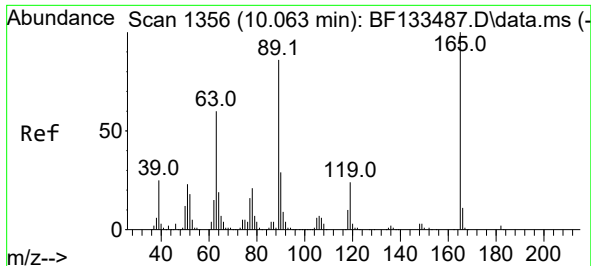
Tgt Ion: 65 Resp: 392
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.230 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

Tgt Ion: 165 Resp: 27296
Ion Ratio Lower Upper
165 100
63 1.5 57.0 85.4#
89 1.7 50.8 76.2#

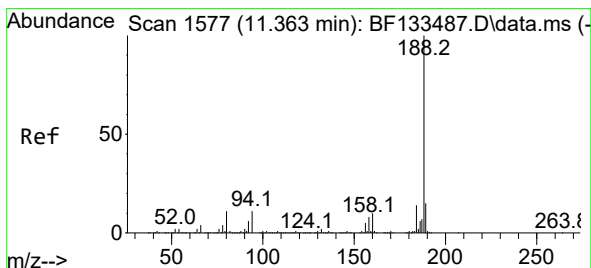
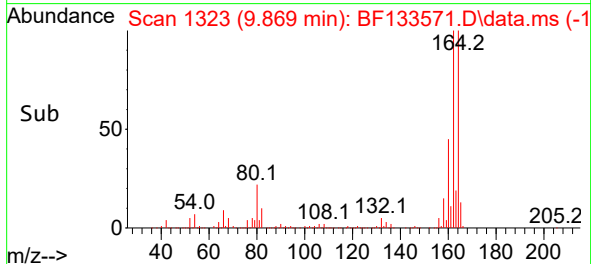
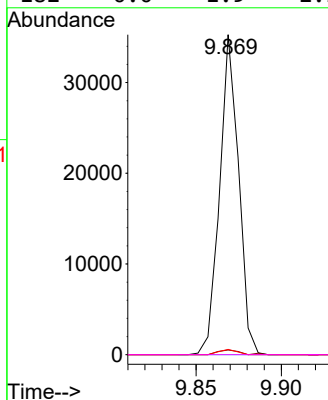
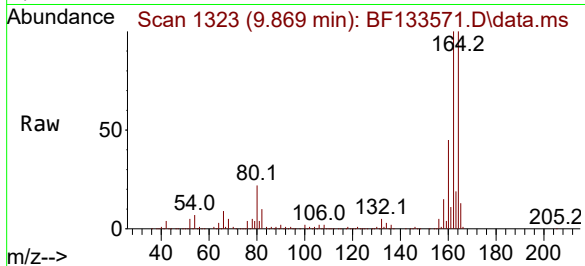




#57
2,4-Dinitrotoluene
Concen: 11.468 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

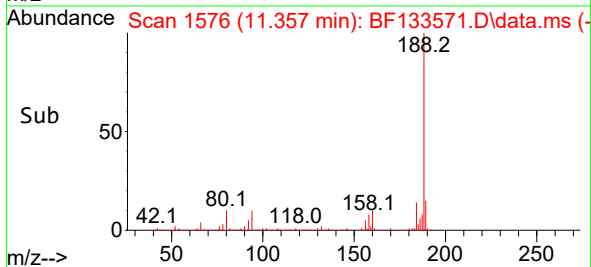
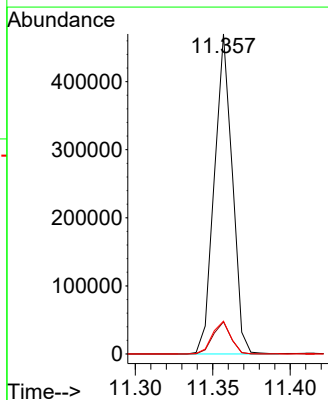
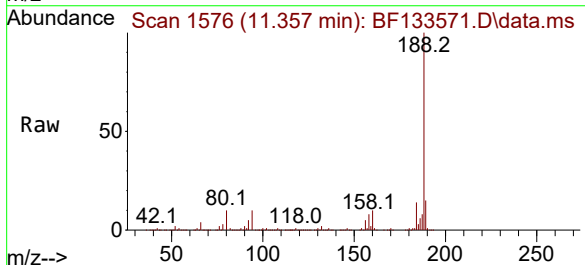
Instrument :
BNA_F
ClientSampleId :
TP-13-0A

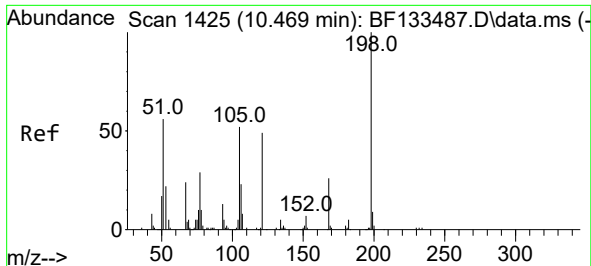
Tgt Ion:165 Resp: 27296
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.7 68.4 102.6#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BF133571.D
Acq: 05 Jun 2023 18:05

Tgt Ion:188 Resp: 378520
Ion Ratio Lower Upper
188 100
94 10.0 8.6 12.8
80 10.2 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.901 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.194 min

Lab File: BF133571.D

Acq: 05 Jun 2023 18:05

Instrument :

BNA_F

ClientSampleId :

TP-13-0A

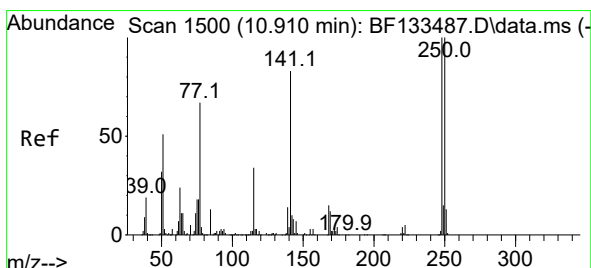
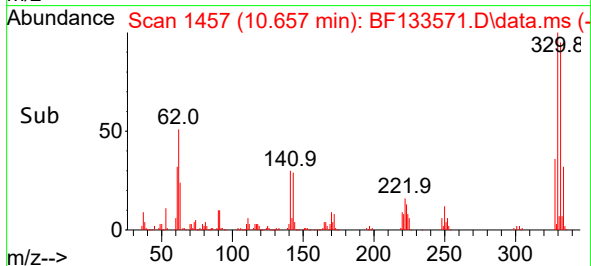
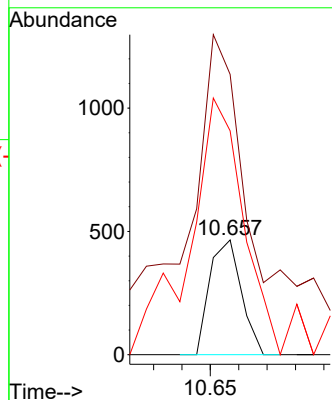
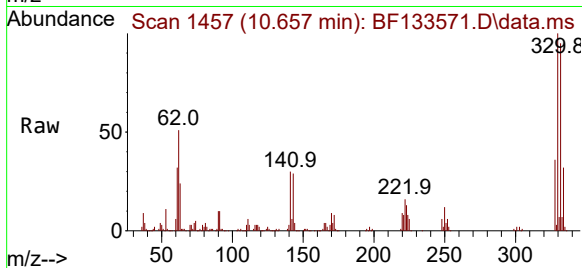
Tgt Ion:198 Resp: 359

Ion Ratio Lower Upper

198 100

51 244.5 53.6 93.6#

105 195.3 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 2.535 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF133571.D

Acq: 05 Jun 2023 18:05

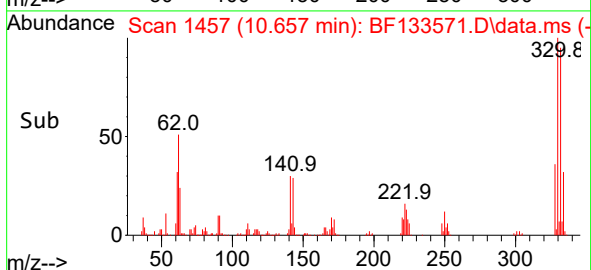
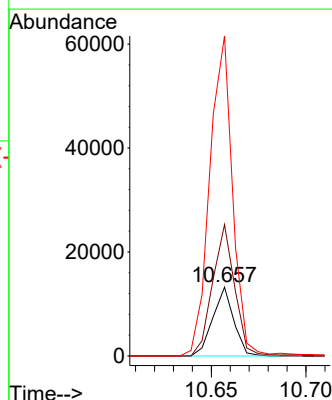
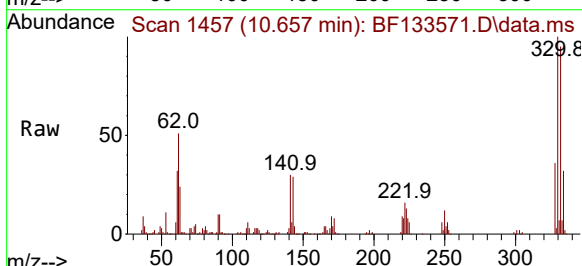
Tgt Ion:248 Resp: 10191

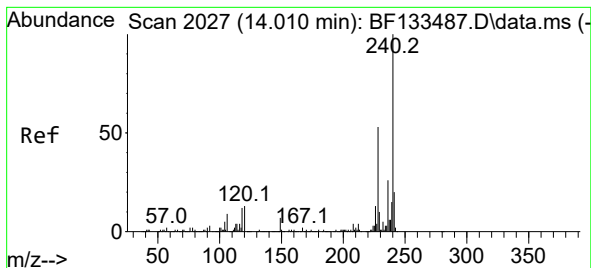
Ion Ratio Lower Upper

248 100

250 190.7 79.7 119.5#

141 464.6 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: BF133571.D

Acq: 05 Jun 2023 18:05

Instrument :

BNA_F

ClientSampleId :

TP-13-0A

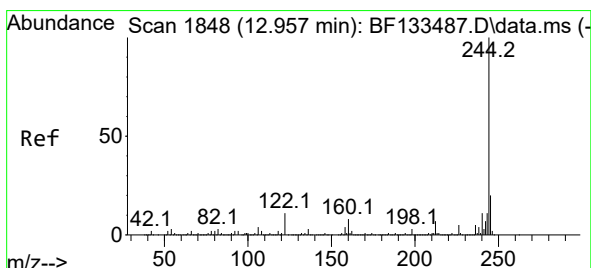
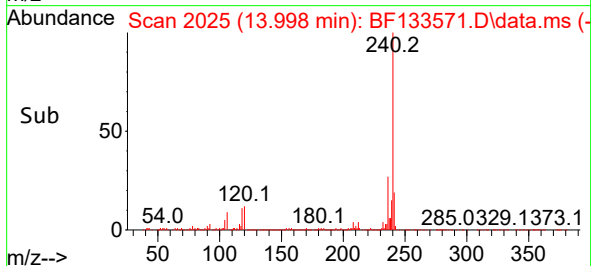
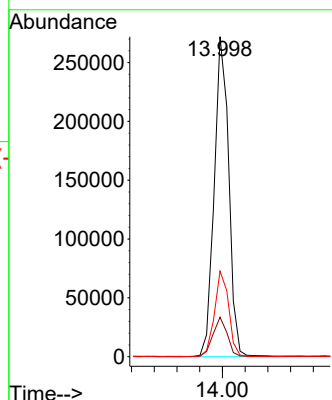
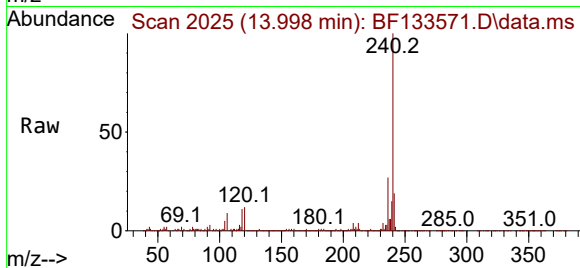
Tgt Ion:240 Resp: 241986

Ion Ratio Lower Upper

240 100

120 12.3 10.3 15.5

236 26.8 20.5 30.7



#79

Terphenyl-d14

Concen: 49.097 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.000 min

Lab File: BF133571.D

Acq: 05 Jun 2023 18:05

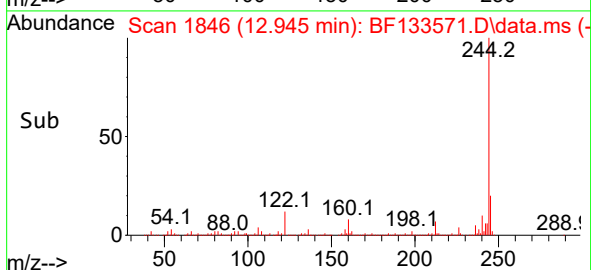
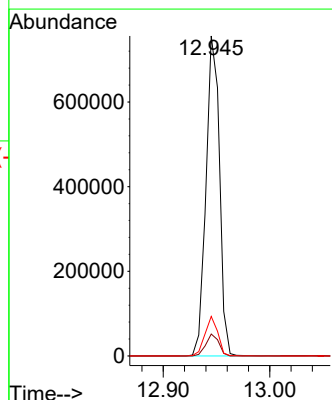
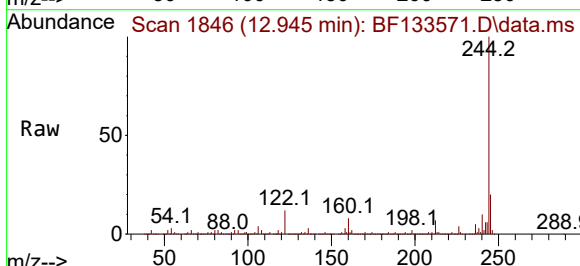
Tgt Ion:244 Resp: 668218

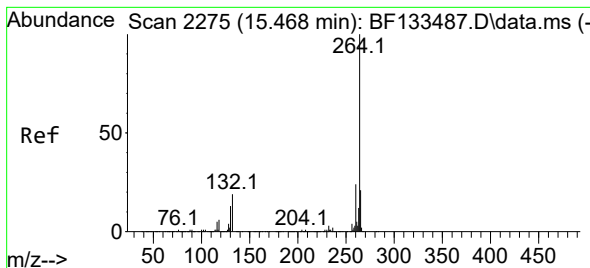
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 12.4 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133571.D

Acq: 05 Jun 2023 18:05

Instrument :

BNA_F

ClientSampleId :

TP-13-0A

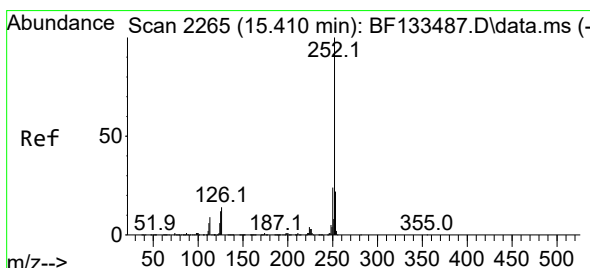
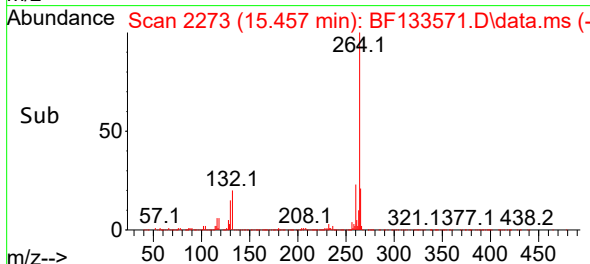
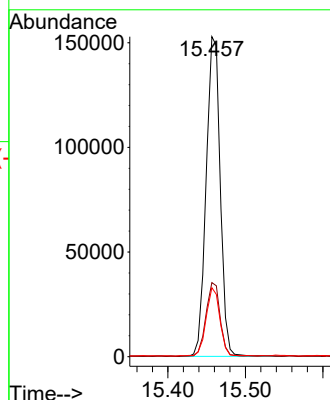
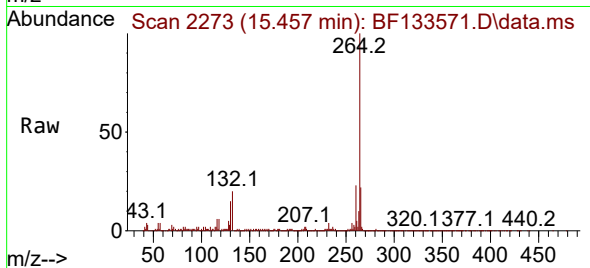
Tgt Ion:264 Resp: 192412

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 21.5 16.8 25.2



#90

Benzo(a)pyrene

Concen: 5.276 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.088 min

Lab File: BF133571.D

Acq: 05 Jun 2023 18:05

Tgt Ion:252 Resp: 60150

Ion Ratio Lower Upper

252 100

253 20.4 17.4 26.0

125 18.1 9.4 14.0#

