

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052423\
 Data File : BF133478.D
 Acq On : 24 May 2023 19:07
 Operator : CG\JU
 Sample : 02892-01DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-30DL

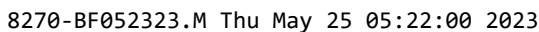
Quant Time: May 25 05:21:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 24 02:41:39 2023
 Response via : Initial Calibration

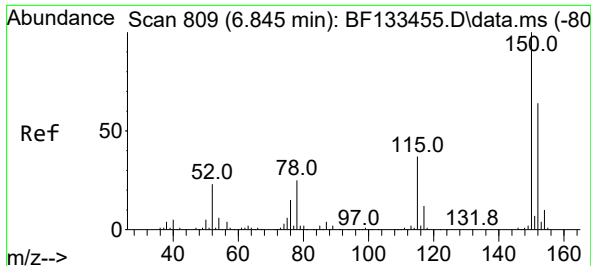
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	122754	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	421777	20.000	ng	# 0.00
39) Acenaphthene-d10	9.880	164	183792	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	368123	20.000	ng	0.00
76) Chrysene-d12	14.004	240	304668	20.000	ng	0.00
86) Perylene-d12	15.462	264	268485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	135022	17.980	ng	-0.01
7) Phenol-d6	6.445	99	168415	18.656	ng	-0.02
23) Nitrobenzene-d5	7.398	82	95243	15.612	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	31927	18.805	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	175891	13.464	ng	0.00
79) Terphenyl-d14	12.951	244	213724	13.412	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.375	117	33934	12.232	ng	# 1
25) Isophorone	7.651	82	36841	2.566	ng	# 1
26) 2-Nitrophenol	7.739	139	2982	7.660	ng	# 1
31) Naphthalene	8.145	128	49453	2.387	ng	# 74
32) Benzoic acid	7.828	122	660	6.506	ng	# 1
35) Caprolactam	8.557	113	64606	38.234	ng	# 43
37) 2-Methylnaphthalene	8.839	142	617132	44.434	ng	99
38) 1-Methylnaphthalene	8.939	142	534106	41.270	ng	99
48) 2-Nitroaniline	9.433	65	4081	6.597	ng	# 1
51) 2,6-Dinitrotoluene	9.657	165	5033	6.321	ng	# 1
52) Acenaphthene	9.916	154	46525	4.125	ng	# 77
53) 3-Nitroaniline	9.833	138	11366	7.180	ng	# 22
54) 2,4-Dinitrophenol	9.933	184	1024	8.455	ng	# 1
55) Dibenzofuran	10.086	168	56531	3.358	ng	# 1
56) 4-Nitrophenol	9.986	139	42680	21.927	ng	# 56
57) 2,4-Dinitrotoluene	10.086	165	27539	13.956	ng	# 47
58) Fluorene	10.433	166	84882	6.986	ng	# 90
62) 4-Nitroaniline	10.498	138	681	4.082	ng	93
65) 4,6-Dinitro-2-methylph...	10.457	198	1124	9.102	ng	# 1
66) n-Nitrosodiphenylamine	10.545	169	161195	13.280	ng	# 50
71) Phenanthrene	11.392	178	282853	14.839	ng	# 96
80) Butylbenzylphthalate	13.433	149	985	3.469	ng	# 58

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

Quant Time: May 25 05:21:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 24 02:41:39 2023
Response via : Initial Calibration

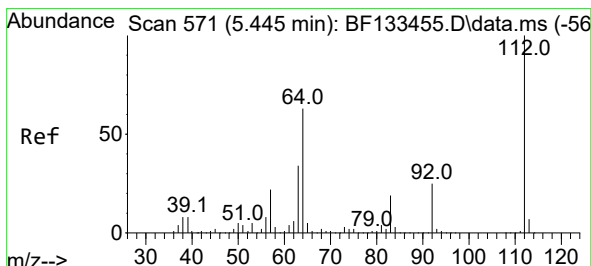
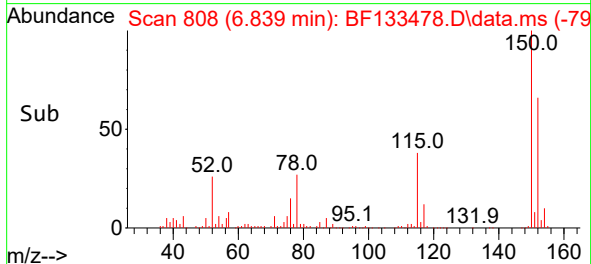
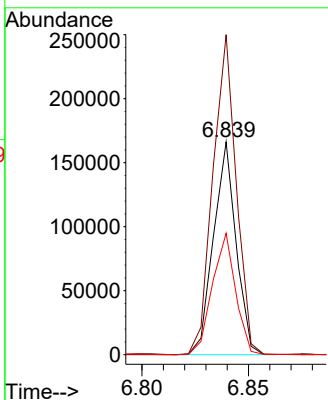
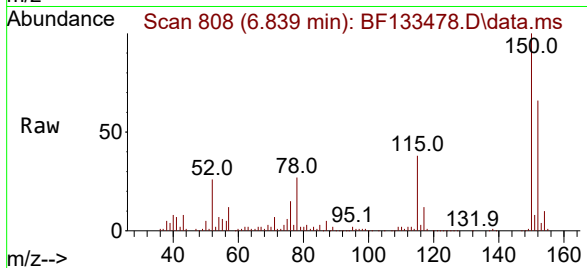




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

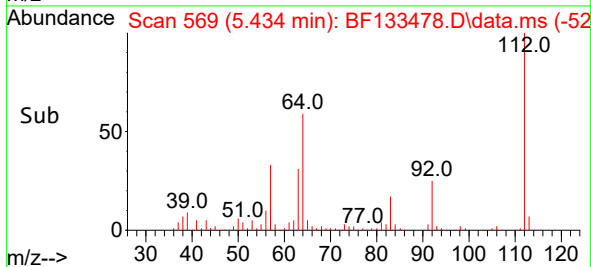
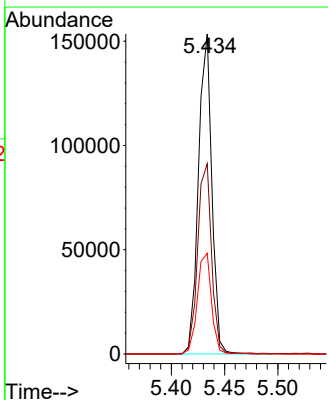
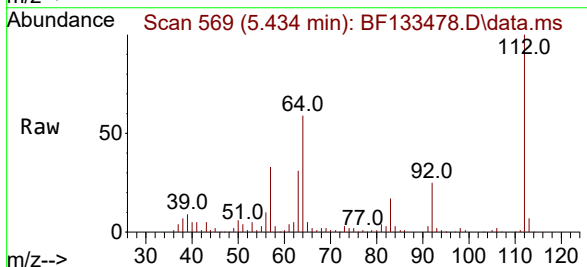
Instrument :
BNA_F
ClientSampleId :
TP-30DL

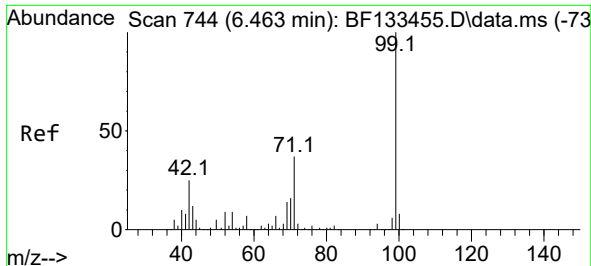
Tgt Ion:152 Resp: 122754
Ion Ratio Lower Upper
152 100
150 150.4 125.6 188.4
115 57.1 47.0 70.4



#5
2-Fluorophenol
Concen: 17.980 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion:112 Resp: 135022
Ion Ratio Lower Upper
112 100
64 59.5 50.2 75.4
63 31.4 27.2 40.8

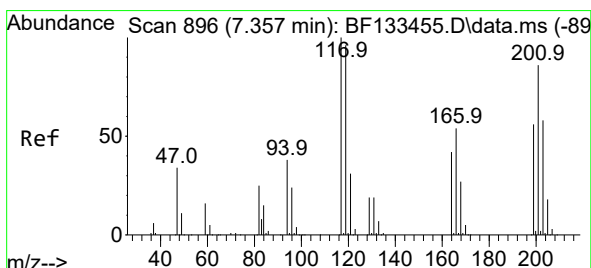
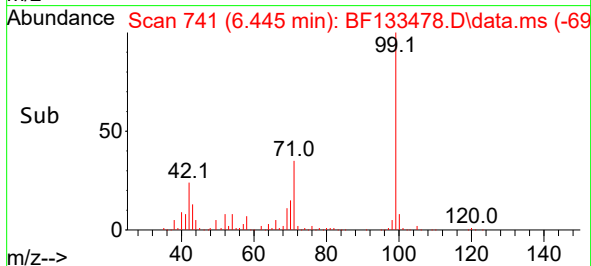
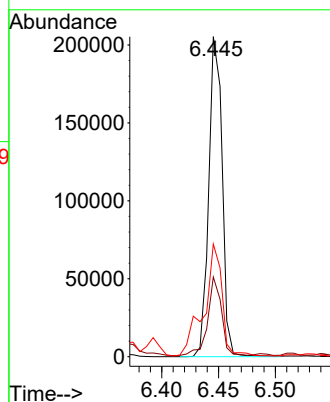
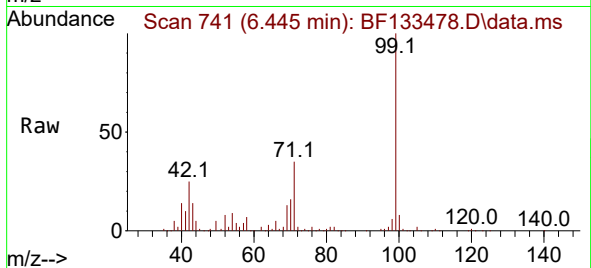




#7
Phenol-d6
Concen: 18.656 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

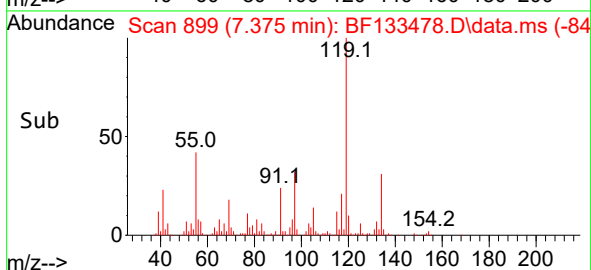
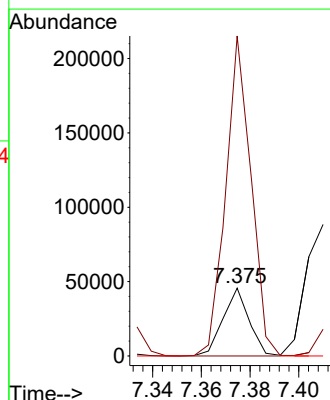
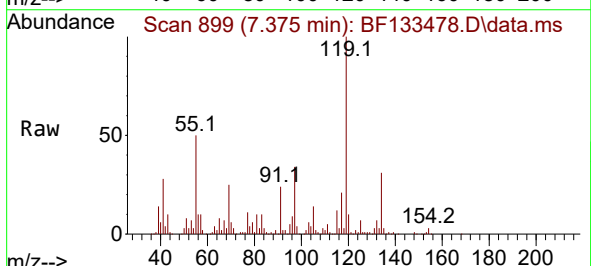
Instrument :
BNA_F
ClientSampleId :
TP-30DL

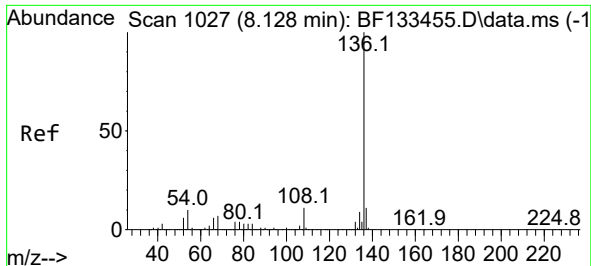
Tgt Ion: 99 Resp: 168415
Ion Ratio Lower Upper
99 100
42 24.9 19.6 29.4
71 35.2 29.5 44.3



#18
Hexachloroethane
Concen: 12.232 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.018 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion: 117 Resp: 33934
Ion Ratio Lower Upper
117 100
119 472.1 76.5 114.7#
201 0.0 68.6 103.0#

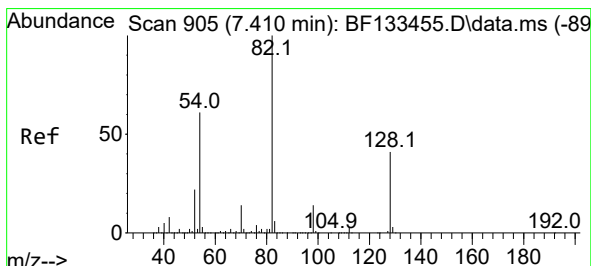
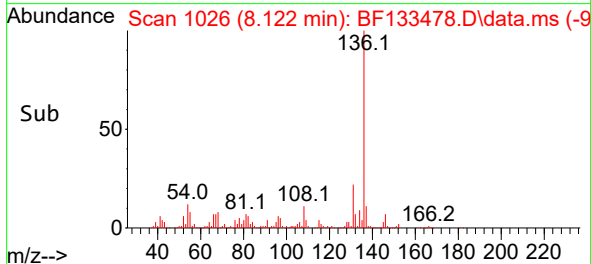
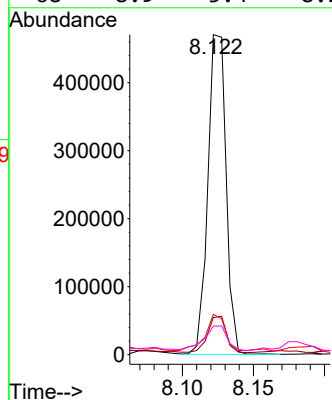
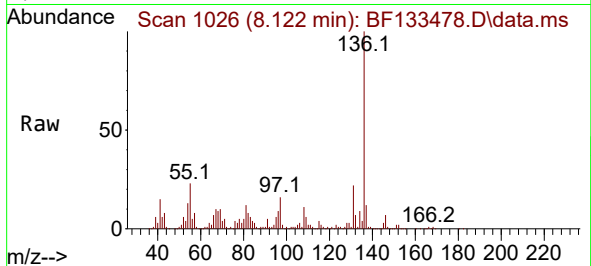




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

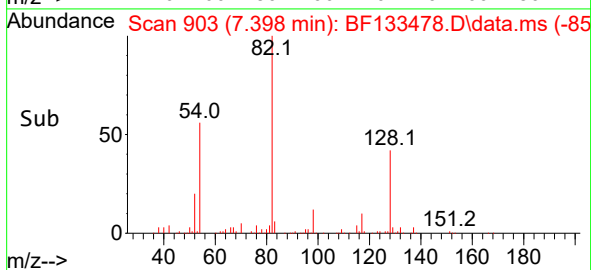
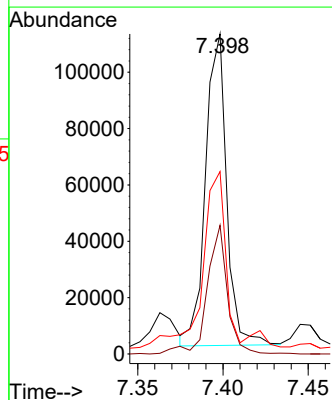
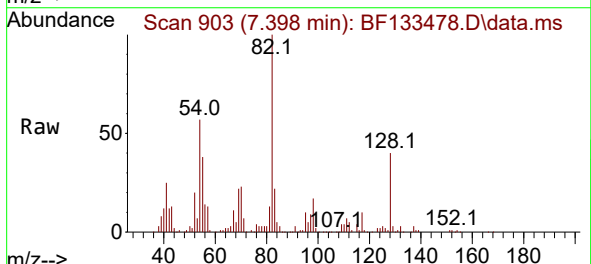
Instrument :
BNA_F
ClientSampleId :
TP-30DL

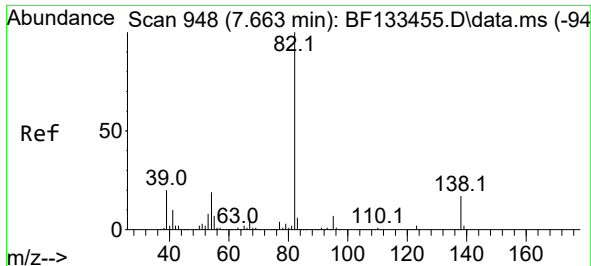
Tgt Ion:136 Resp: 421777
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 12.6 8.0 12.0#
68 8.9 5.4 8.2#



#23
Nitrobenzene-d5
Concen: 15.612 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion: 82 Resp: 95243
Ion Ratio Lower Upper
82 100
128 40.2 33.0 49.6
54 57.0 48.5 72.7

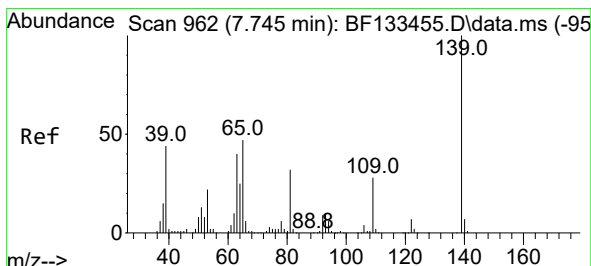
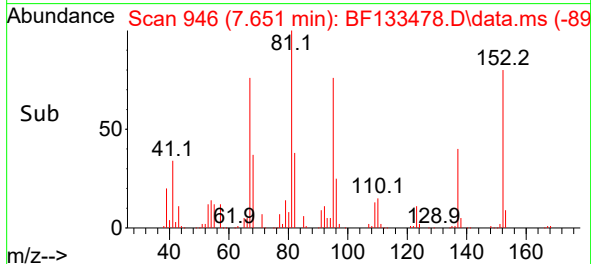
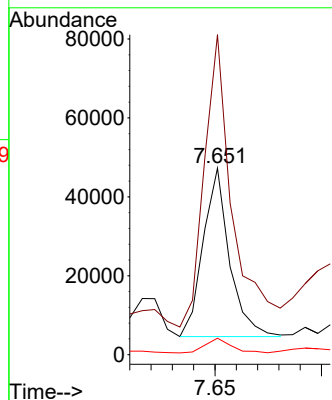
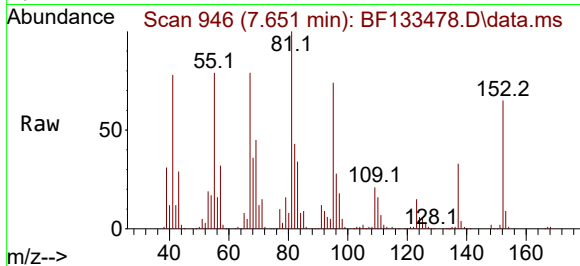




#25
Isophorone
Concen: 2.566 ng
RT: 7.651 min Scan# 948
Delta R.T. -0.012 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

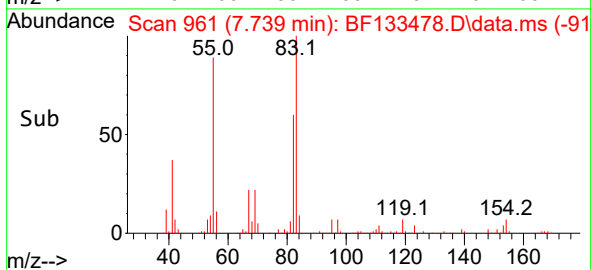
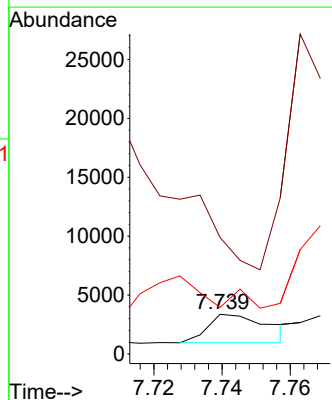
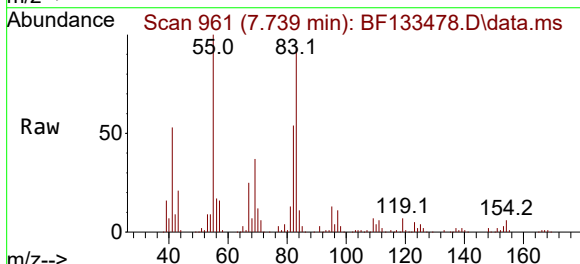
Instrument :
BNA_F
ClientSampleId :
TP-30DL

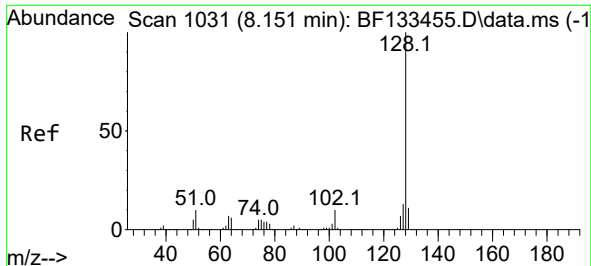
Tgt Ion: 82 Resp: 36841
Ion Ratio Lower Upper
82 100
95 171.5 5.4 8.0#
138 8.8 13.5 20.3#



#26
2-Nitrophenol
Concen: 7.660 ng
RT: 7.739 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion: 139 Resp: 2982
Ion Ratio Lower Upper
139 100
109 293.1 22.3 33.5#
65 117.1 37.6 56.4#

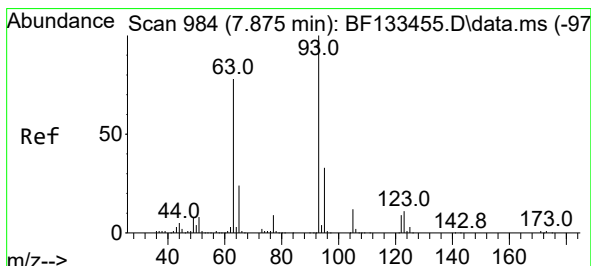
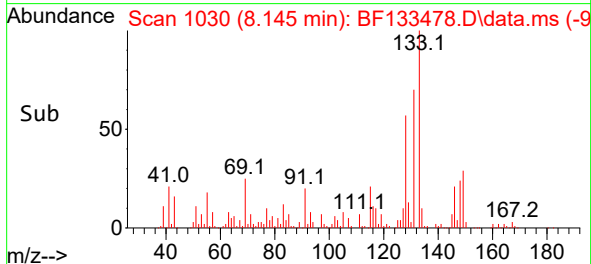
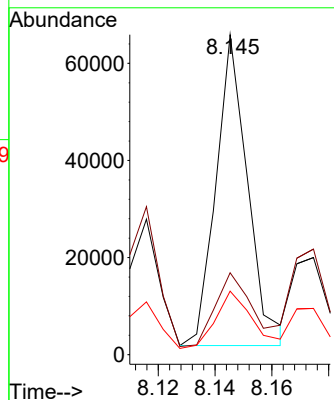
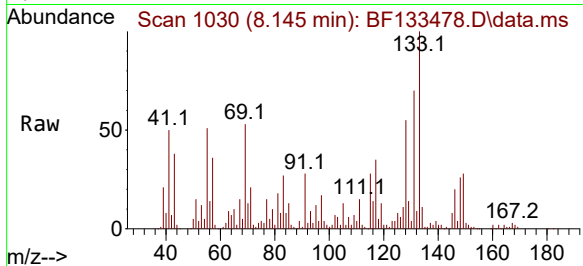




#31
Naphthalene
Concen: 2.387 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

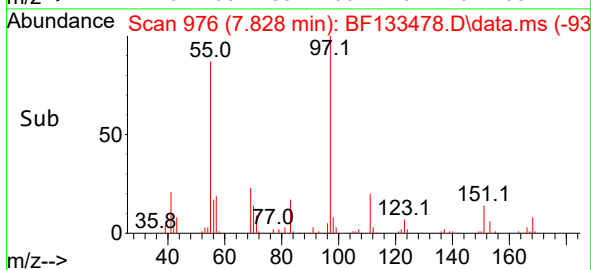
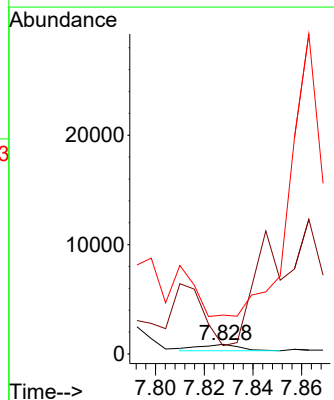
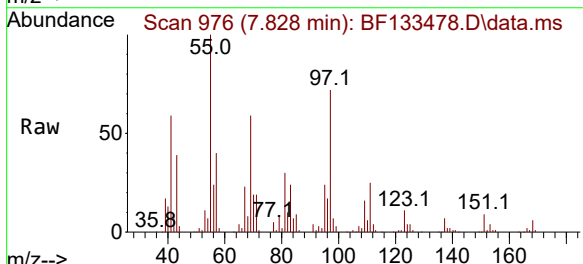
Instrument :
BNA_F
ClientSampleId :
TP-30DL

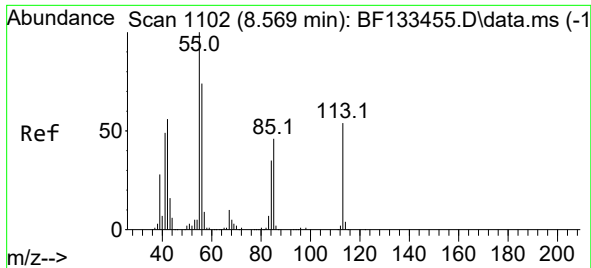
Tgt Ion:128 Resp: 49453
Ion Ratio Lower Upper
128 100
129 25.6 8.9 13.3#
127 19.9 10.6 15.8#



#32
Benzoic acid
Concen: 6.506 ng
RT: 7.828 min Scan# 976
Delta R.T. -0.047 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion:122 Resp: 660
Ion Ratio Lower Upper
122 100
105 87.5 111.2 151.2#
77 406.1 82.0 122.0#

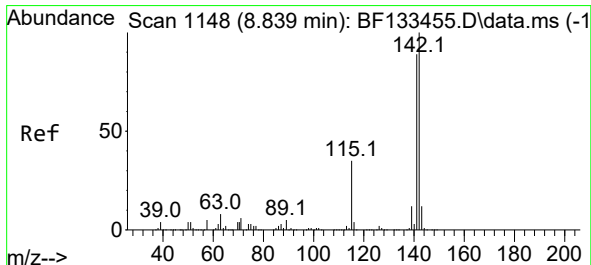
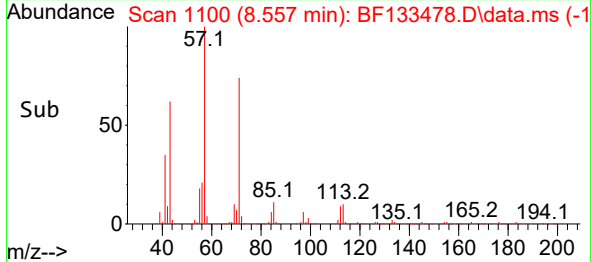
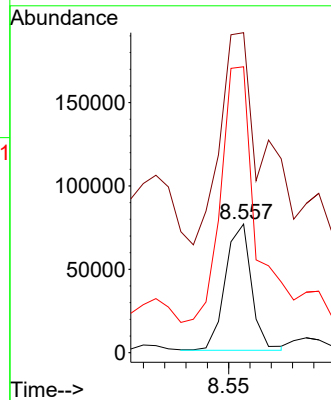
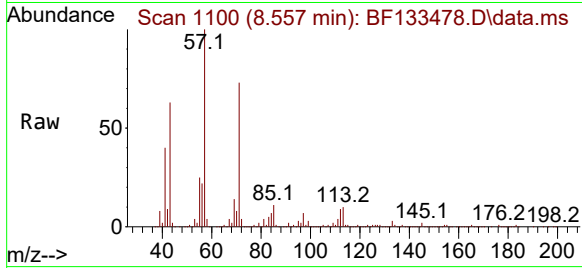




#35
 Caprolactam
 Concen: 38.234 ng
 RT: 8.557 min Scan# 1100
 Delta R.T. -0.012 min
 Lab File: BF133478.D
 Acq: 24 May 2023 19:07

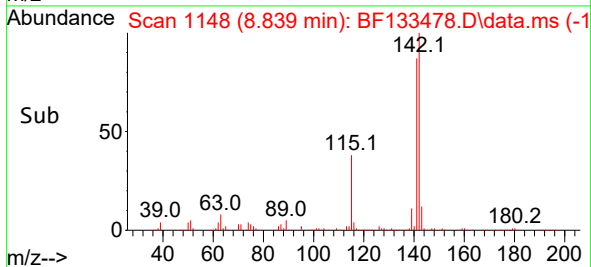
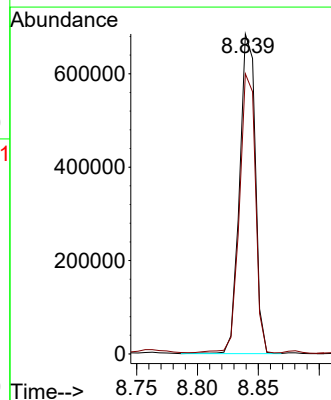
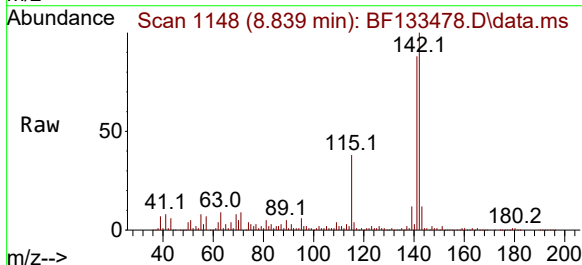
Instrument :
 BNA_F
 ClientSampleId :
 TP-30DL

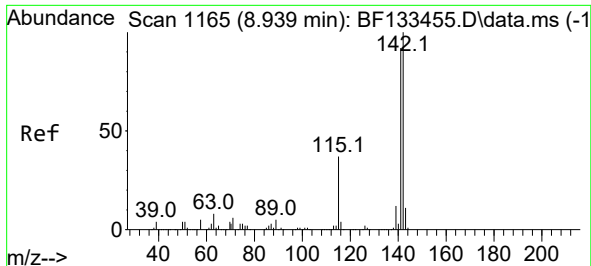
Tgt Ion:113 Resp: 64606
 Ion Ratio Lower Upper
 113 100
 55 248.9 164.2 204.2#
 56 222.3 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 44.434 ng
 RT: 8.839 min Scan# 1148
 Delta R.T. 0.000 min
 Lab File: BF133478.D
 Acq: 24 May 2023 19:07

Tgt Ion:142 Resp: 617132
 Ion Ratio Lower Upper
 142 100
 141 87.5 70.9 106.3





#38

1-Methylnaphthalene

Concen: 41.270 ng

RT: 8.939 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF133478.D

Acq: 24 May 2023 19:07

Instrument :

BNA_F

ClientSampleId :

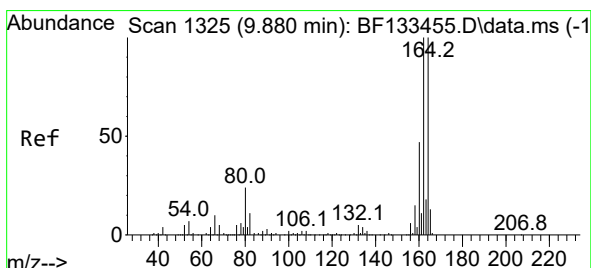
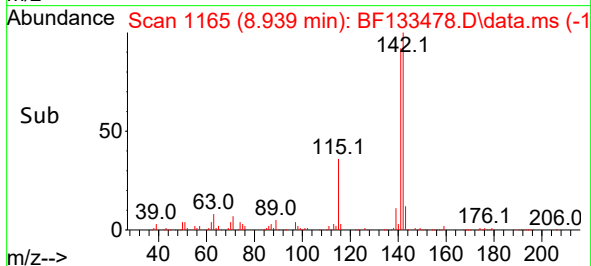
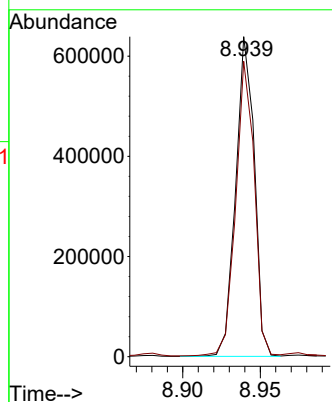
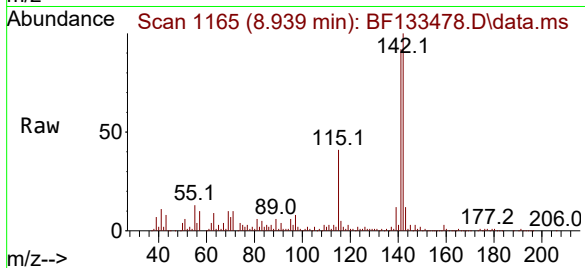
TP-30DL

Tgt Ion:142 Resp: 534106

Ion Ratio Lower Upper

142 100

141 92.3 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.000 min

Lab File: BF133478.D

Acq: 24 May 2023 19:07

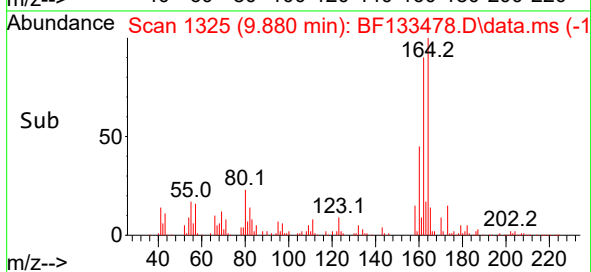
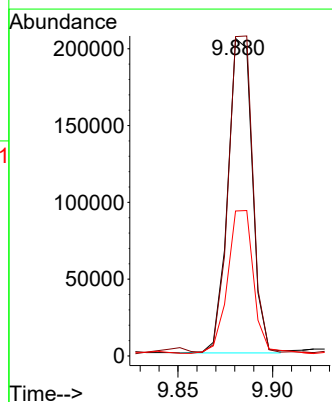
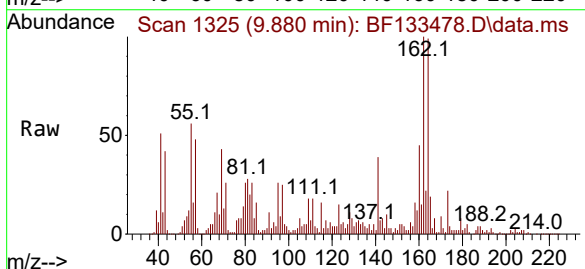
Tgt Ion:164 Resp: 183792

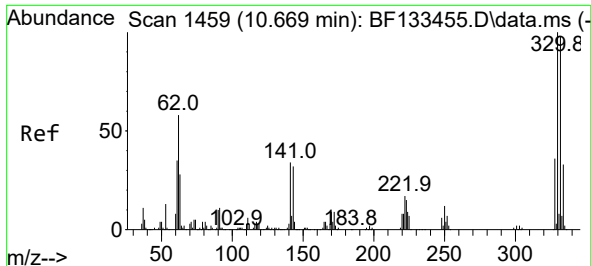
Ion Ratio Lower Upper

164 100

162 100.5 79.8 119.6

160 45.7 37.4 56.0

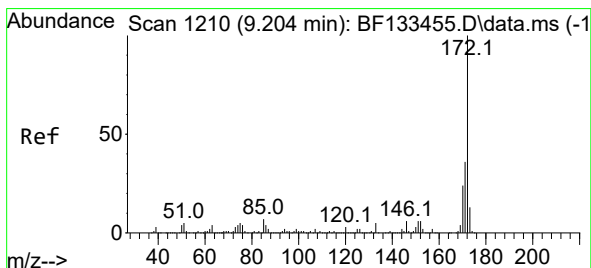
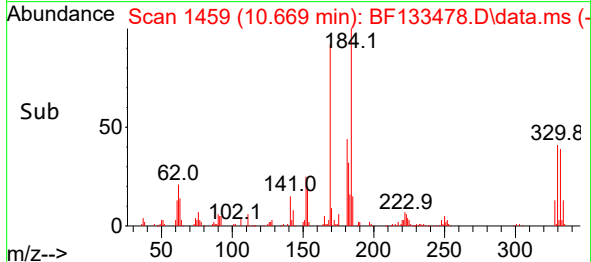
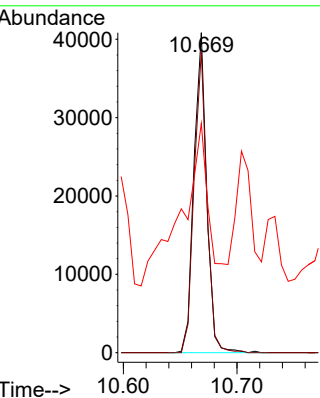
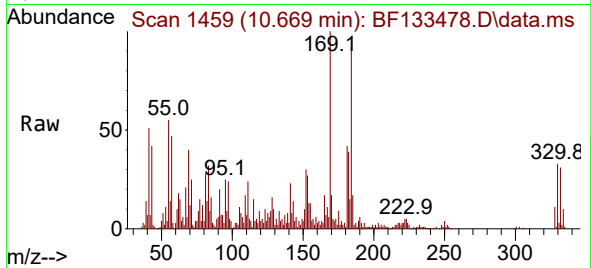




#42
2,4,6-Tribromophenol
Concen: 18.805 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

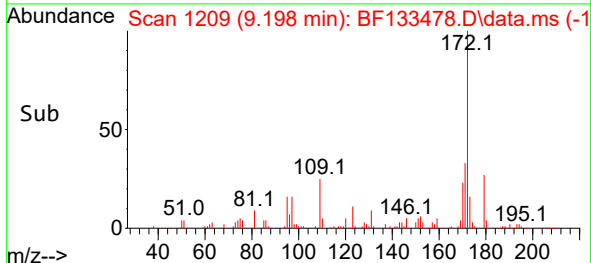
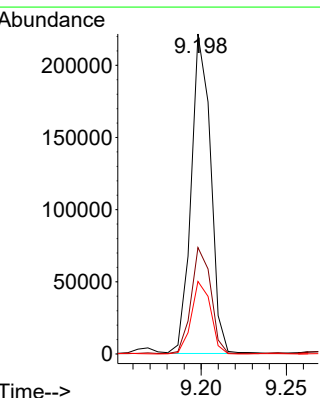
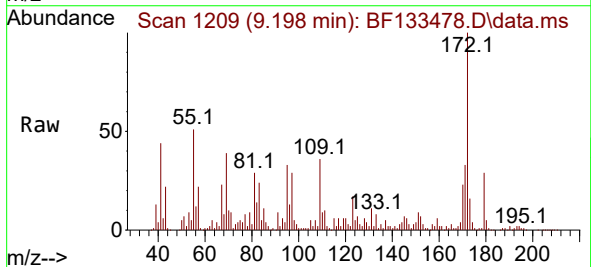
Instrument :
BNA_F
ClientSampleId :
TP-30DL

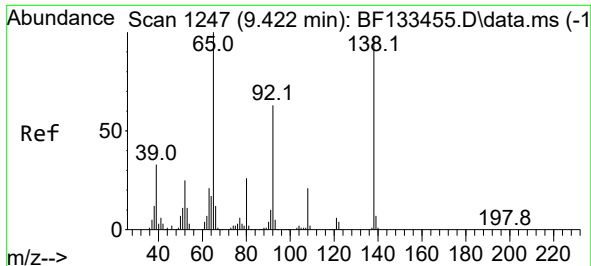
Tgt Ion: 330 Resp: 31927
Ion Ratio Lower Upper
330 100
332 94.1 77.0 115.6
141 109.3 28.5 42.7#



#45
2-Fluorobiphenyl
Concen: 13.464 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion: 172 Resp: 175891
Ion Ratio Lower Upper
172 100
171 33.3 28.5 42.7
170 22.7 19.0 28.4

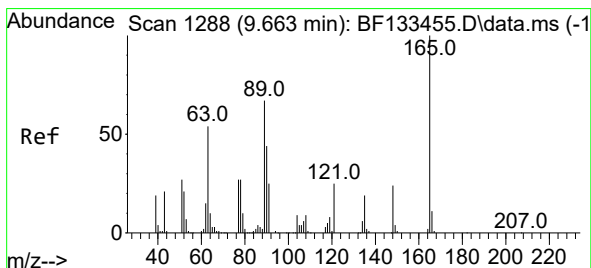
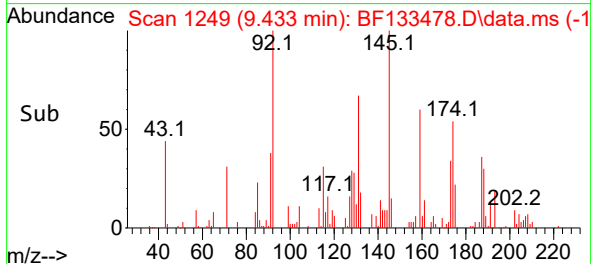
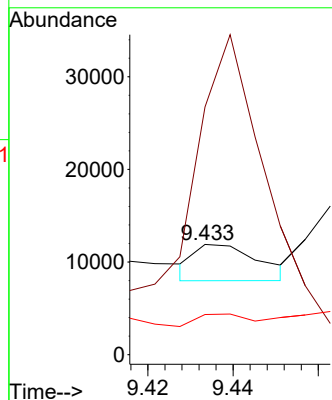
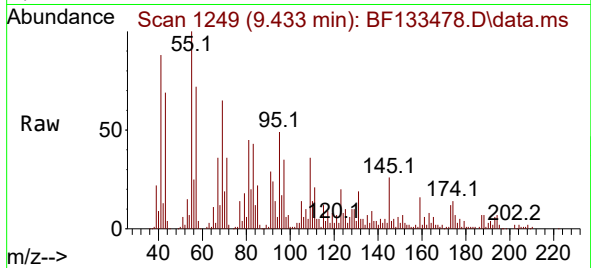




#48
2-Nitroaniline
Concen: 6.597 ng
RT: 9.433 min Scan# 1249
Delta R.T. 0.011 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

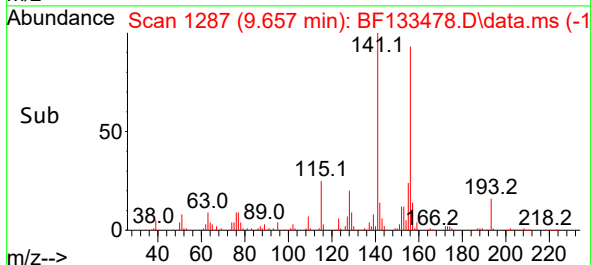
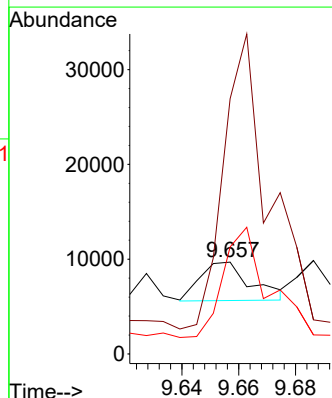
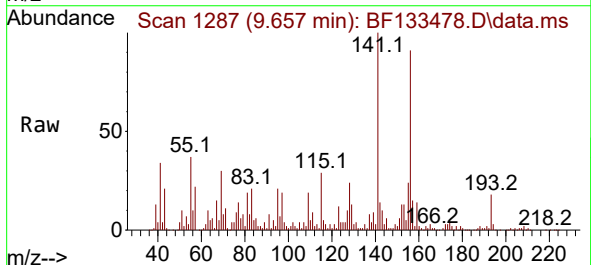
Instrument :
BNA_F
ClientSampleId :
TP-30DL

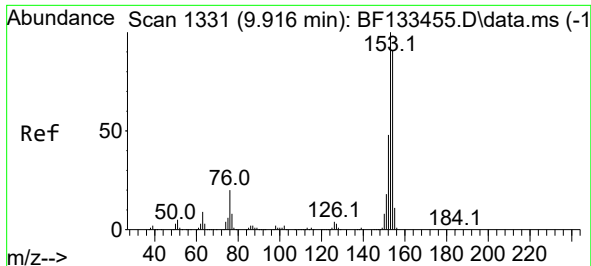
Tgt Ion: 65 Resp: 4081
Ion Ratio Lower Upper
65 100
92 224.7 50.1 75.1#
138 36.4 78.6 118.0#



#51
2,6-Dinitrotoluene
Concen: 6.321 ng
RT: 9.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion: 165 Resp: 5033
Ion Ratio Lower Upper
165 100
63 277.7 61.0 91.4#
89 116.5 53.5 80.3#





#52

Acenaphthene

Concen: 4.125 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.000 min

Lab File: BF133478.D

Acq: 24 May 2023 19:07

Instrument :

BNA_F

ClientSampleId :

TP-30DL

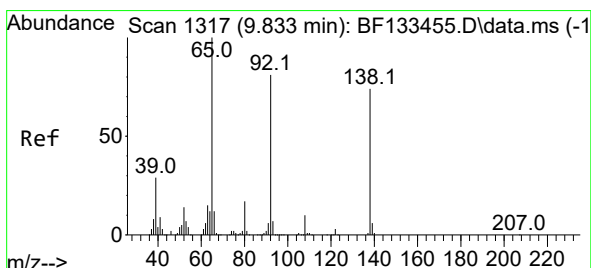
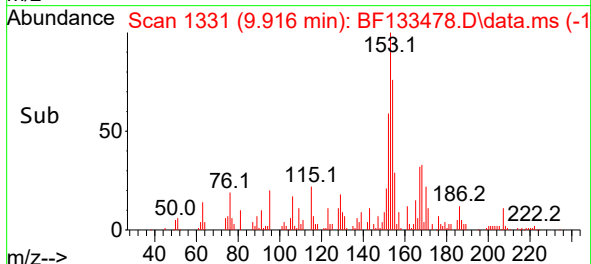
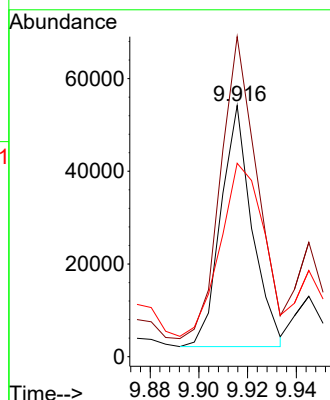
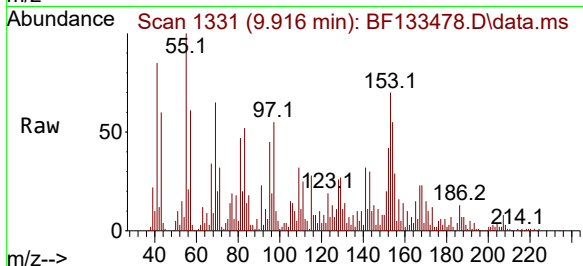
Tgt Ion:154 Resp: 46525

Ion Ratio Lower Upper

154 100

153 127.4 87.6 131.4

152 77.0 41.8 62.8#



#53

3-Nitroaniline

Concen: 7.180 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF133478.D

Acq: 24 May 2023 19:07

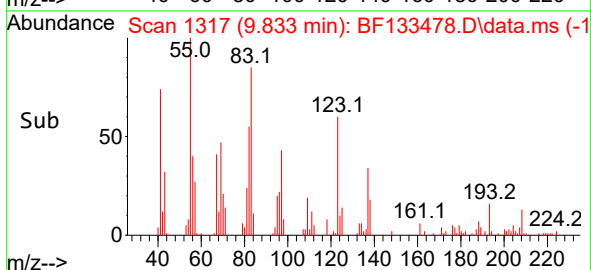
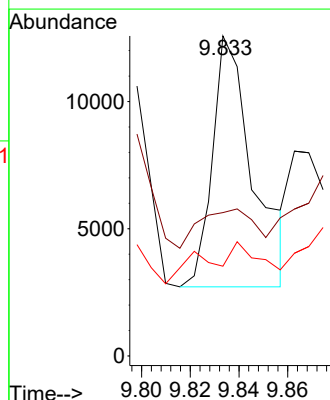
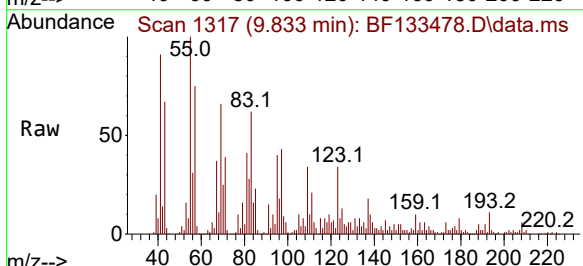
Tgt Ion:138 Resp: 11366

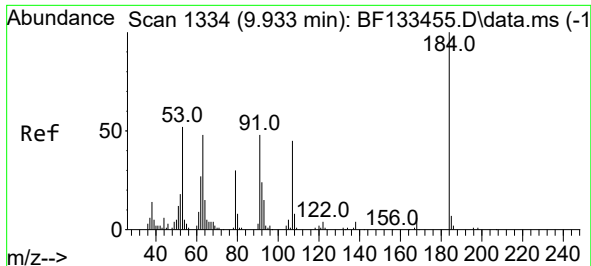
Ion Ratio Lower Upper

138 100

108 44.8 11.4 17.0#

92 28.1 88.4 132.6#

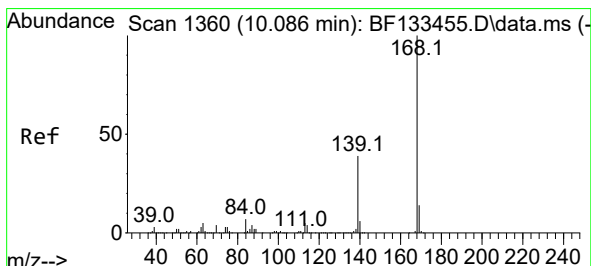
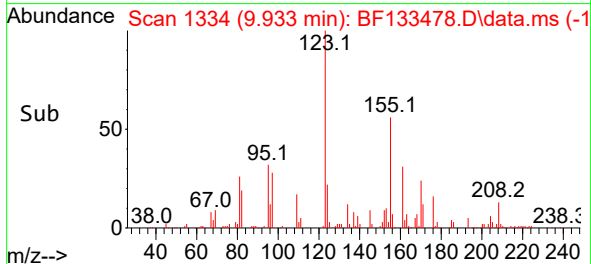
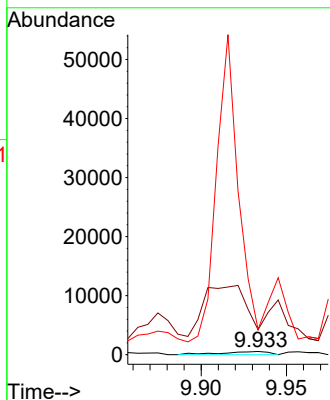
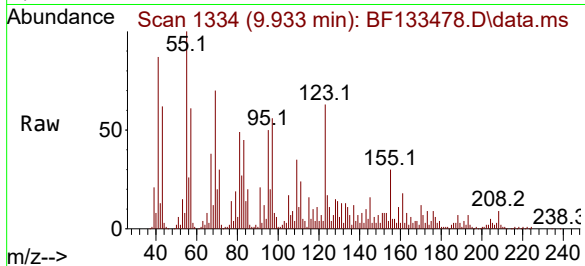




#54
2,4-Dinitrophenol
Concen: 8.455 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

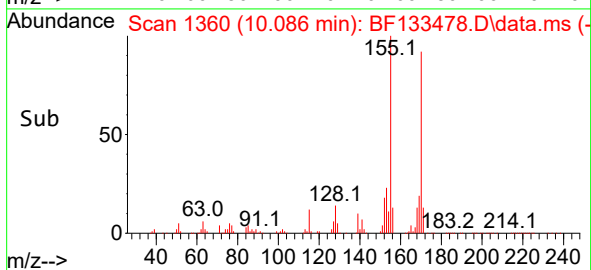
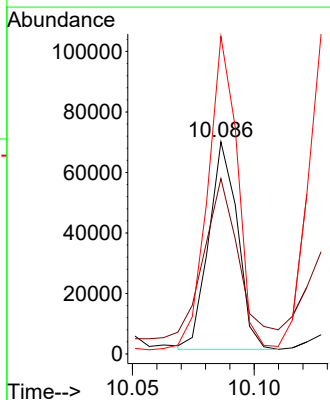
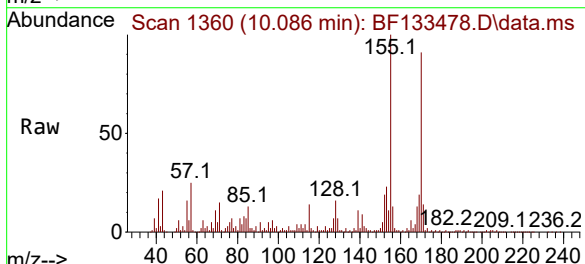
Instrument :
BNA_F
ClientSampleId :
TP-30DL

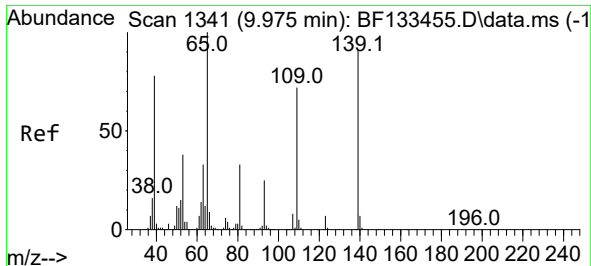
Tgt Ion:184 Resp: 1024
Ion Ratio Lower Upper
184 100
63 778.3 54.4 81.6#
154 790.8 51.3 76.9#



#55
Dibenzofuran
Concen: 3.358 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.000 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion:168 Resp: 56531
Ion Ratio Lower Upper
168 100
139 82.6 31.0 46.6#
169 149.7 11.0 16.6#

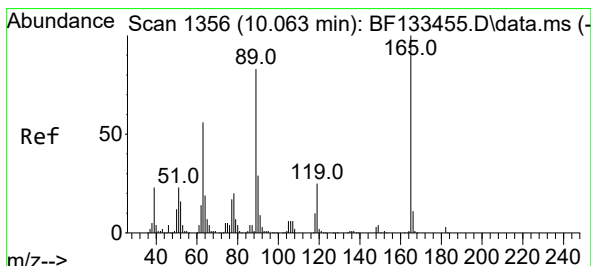
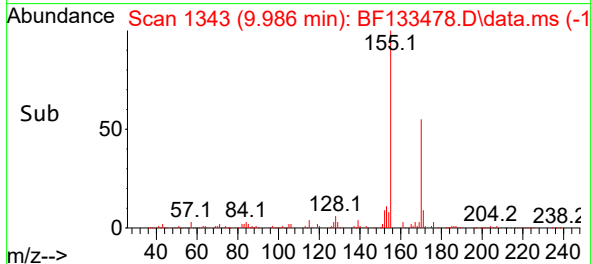
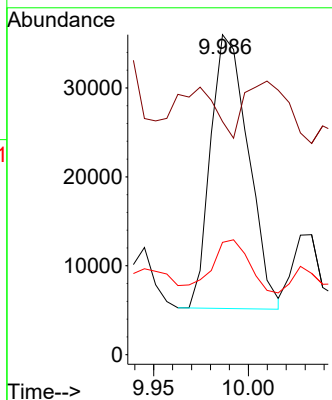
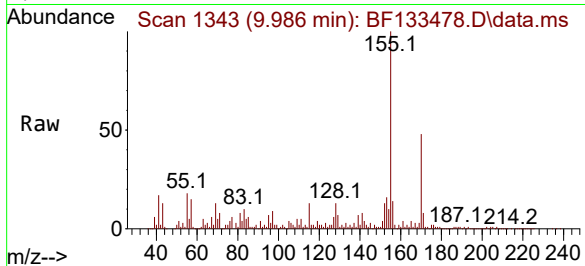




#56
4-Nitrophenol
Concen: 21.927 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.011 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

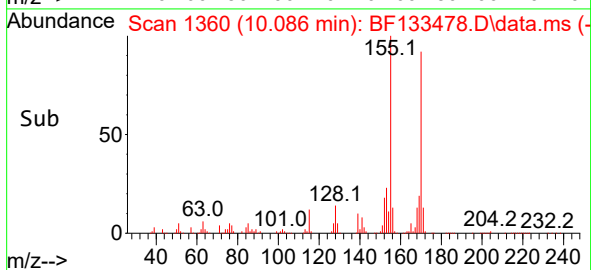
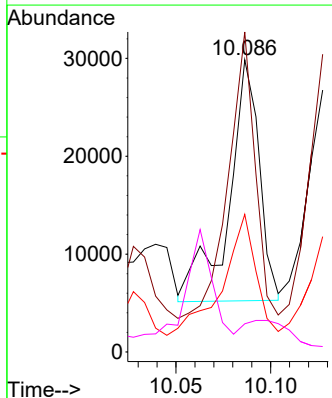
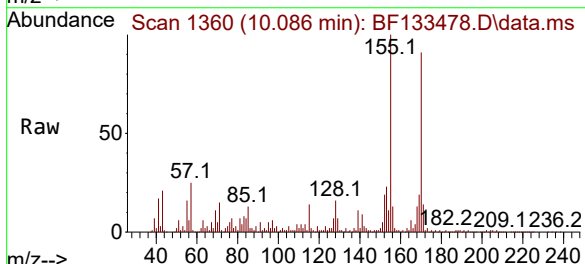
Instrument :
BNA_F
ClientSampleId :
TP-30DL

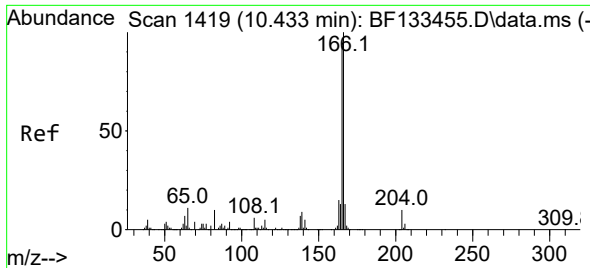
Tgt Ion:139 Resp: 42680
Ion Ratio Lower Upper
139 100
109 72.8 59.5 99.5
65 35.1 90.1 130.1#



#57
2,4-Dinitrotoluene
Concen: 13.956 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.023 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion:165 Resp: 27539
Ion Ratio Lower Upper
165 100
63 109.5 45.1 67.7#
89 47.1 66.7 100.1#
182 9.6 2.0 3.0#

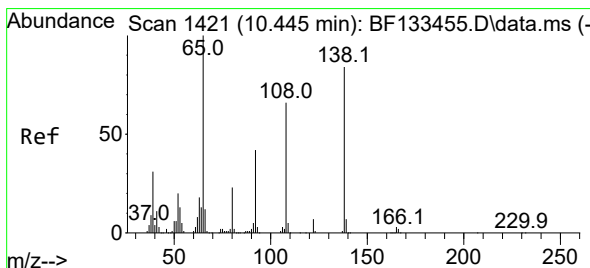
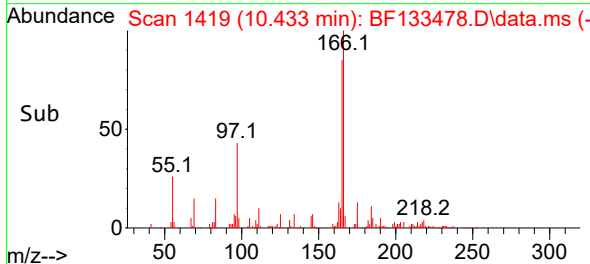
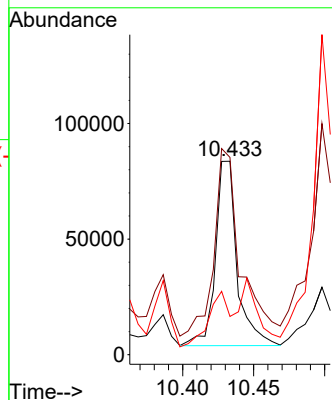
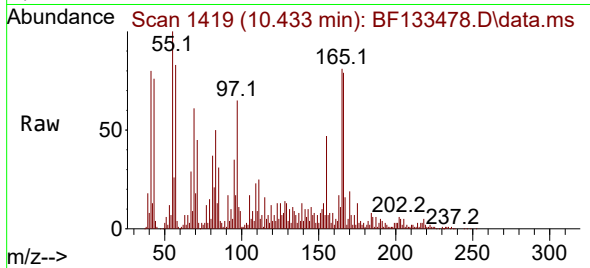




#58
Fluorene
Concen: 6.986 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

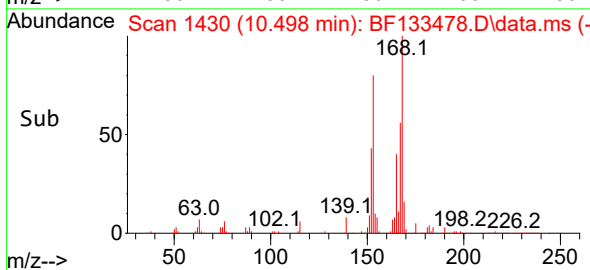
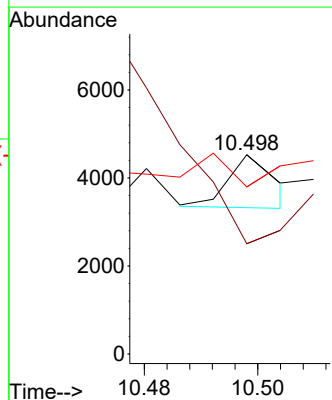
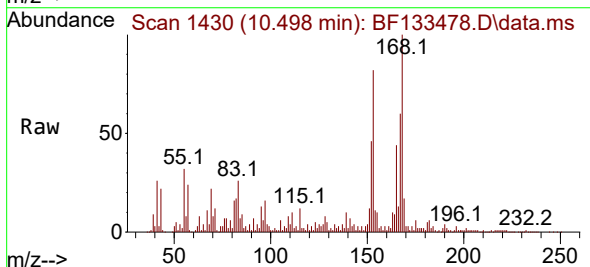
Instrument :
BNA_F
ClientSampleId :
TP-30DL

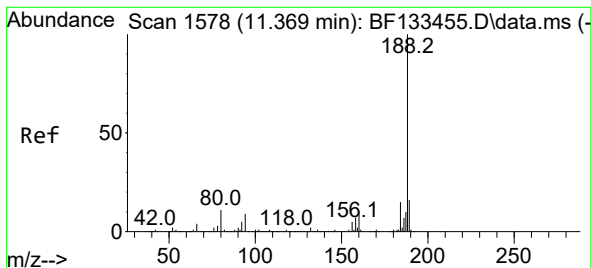
Tgt Ion:166 Resp: 84882
Ion Ratio Lower Upper
166 100
165 102.0 74.2 111.4
167 19.8 10.6 16.0#



#62
4-Nitroaniline
Concen: 4.082 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.053 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion:138 Resp: 681
Ion Ratio Lower Upper
138 100
92 55.4 29.2 69.2
108 83.8 58.4 98.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133478.D

Acq: 24 May 2023 19:07

Instrument :

BNA_F

ClientSampleId :

TP-30DL

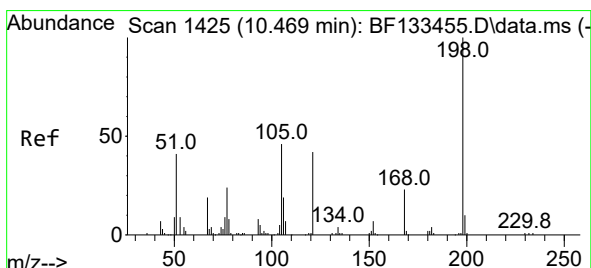
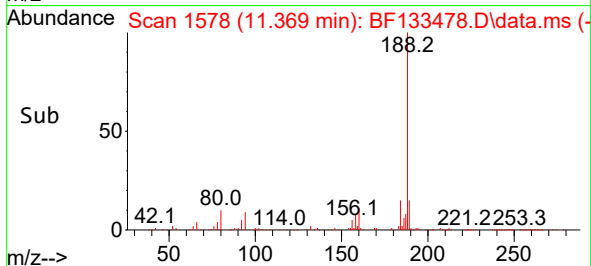
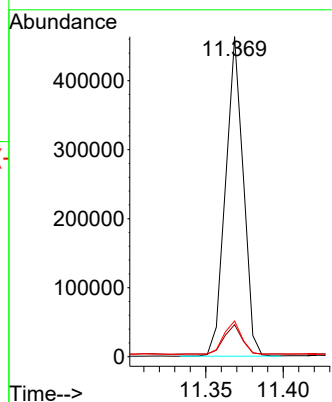
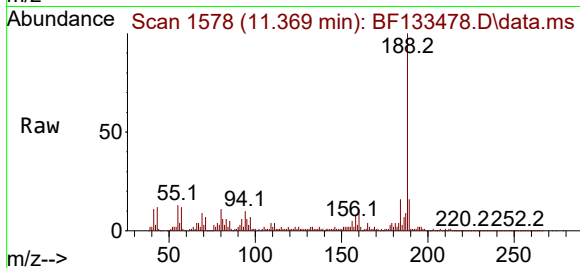
Tgt Ion:188 Resp: 368123

Ion Ratio Lower Upper

188 100

94 10.0 7.5 11.3

80 11.1 8.7 13.1



#65

4,6-Dinitro-2-methylphenol

Concen: 9.102 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.012 min

Lab File: BF133478.D

Acq: 24 May 2023 19:07

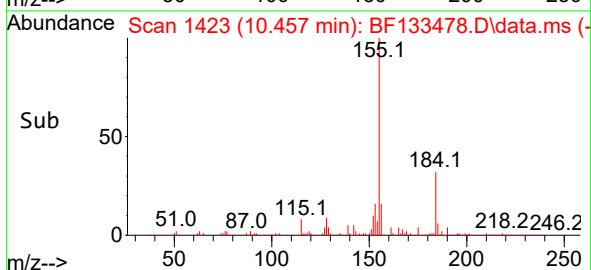
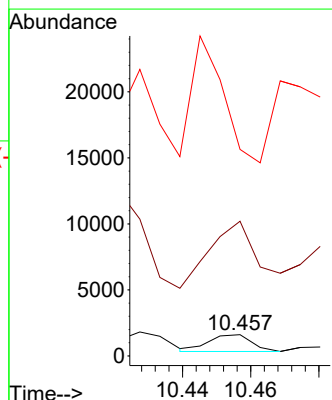
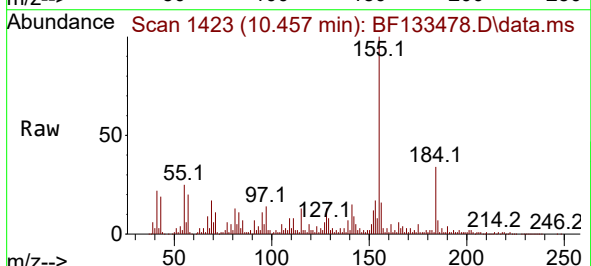
Tgt Ion:198 Resp: 1124

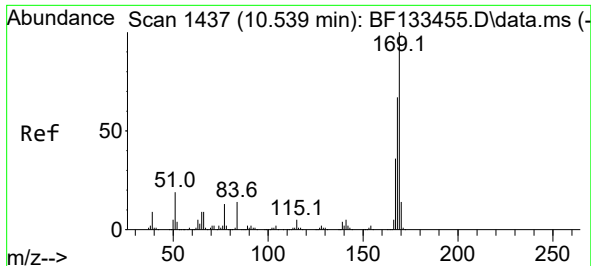
Ion Ratio Lower Upper

198 100

51 631.8 38.5 78.5#

105 968.9 29.6 69.6#

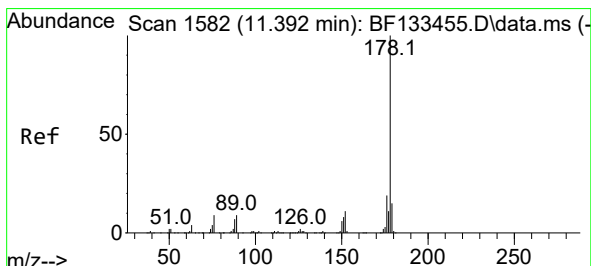
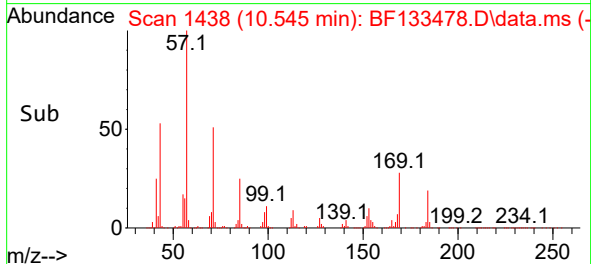
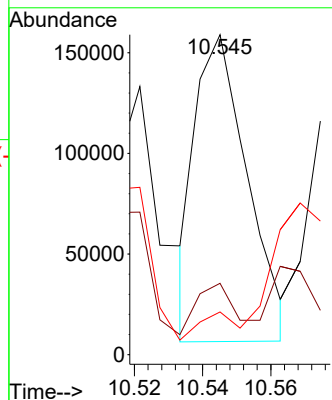
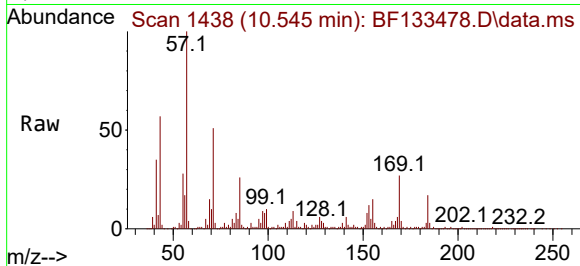




#66
n-Nitrosodiphenylamine
Concen: 13.280 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

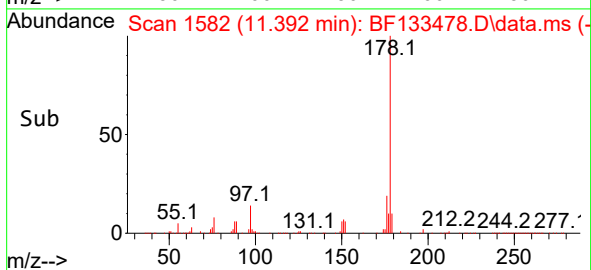
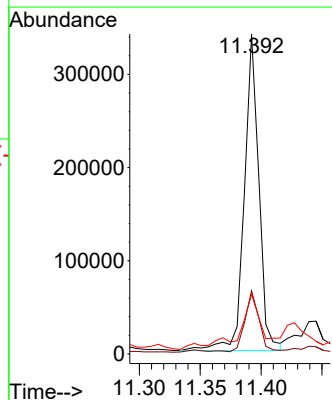
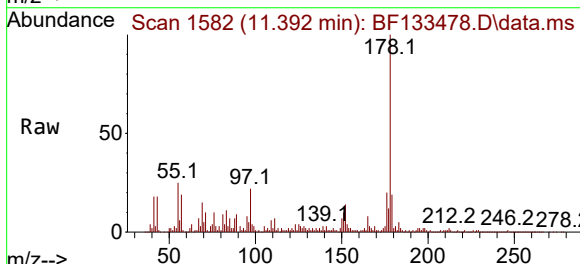
Instrument :
BNA_F
ClientSampleId :
TP-30DL

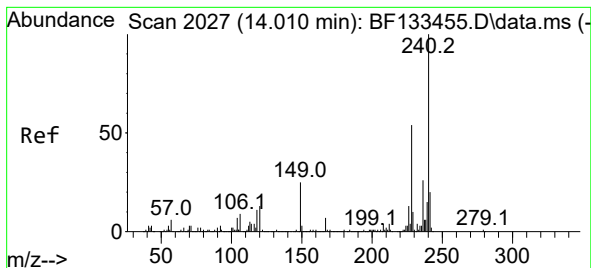
Tgt Ion:169 Resp: 161195
Ion Ratio Lower Upper
169 100
168 22.3 53.6 80.4#
167 13.4 29.2 43.8#



#71
Phenanthrene
Concen: 14.839 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion:178 Resp: 282853
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 18.7 12.2 18.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133478.D

Acq: 24 May 2023 19:07

Instrument :

BNA_F

ClientSampleId :

TP-30DL

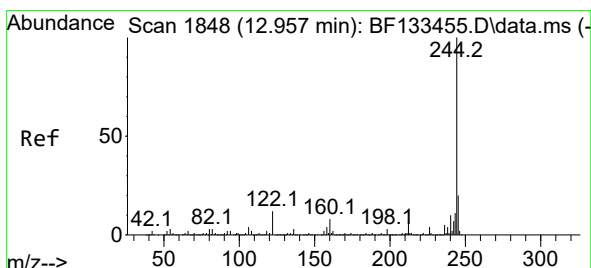
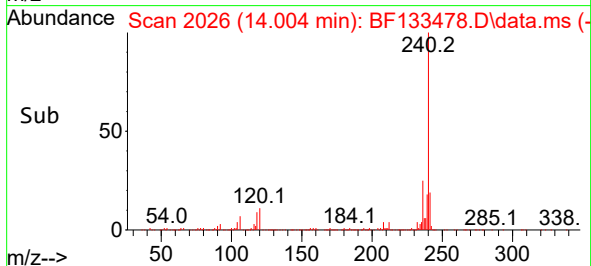
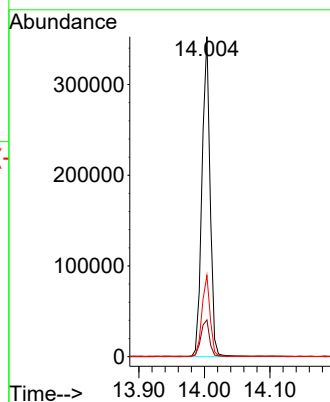
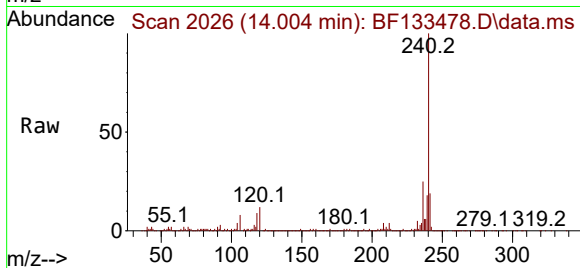
Tgt Ion:240 Resp: 304668

Ion Ratio Lower Upper

240 100

120 11.5 10.2 15.4

236 25.4 20.9 31.3



#79

Terphenyl-d14

Concen: 13.412 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133478.D

Acq: 24 May 2023 19:07

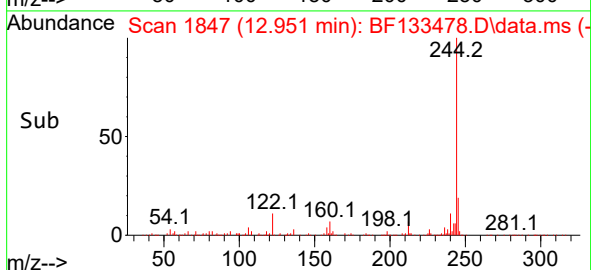
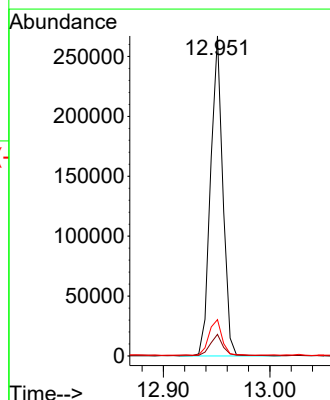
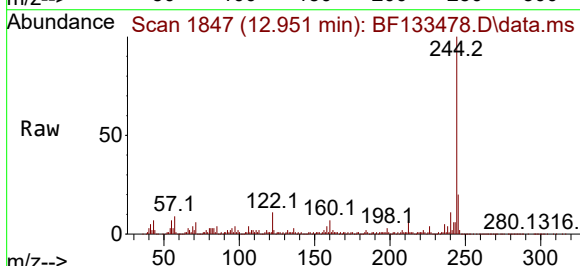
Tgt Ion:244 Resp: 213724

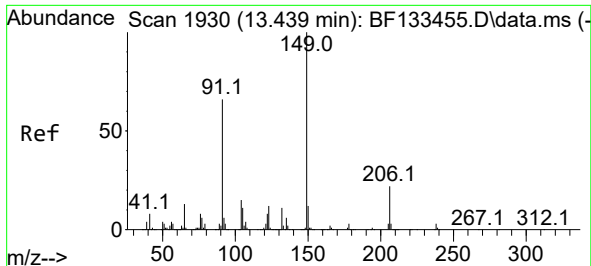
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.4 9.4 14.0

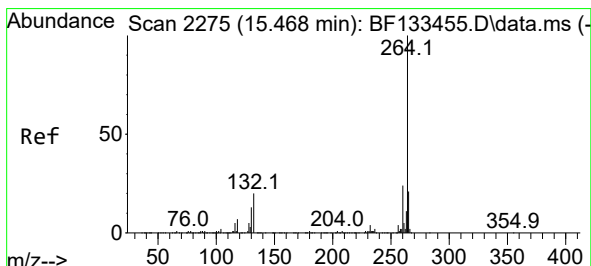
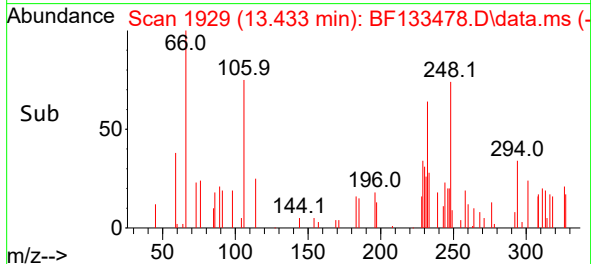
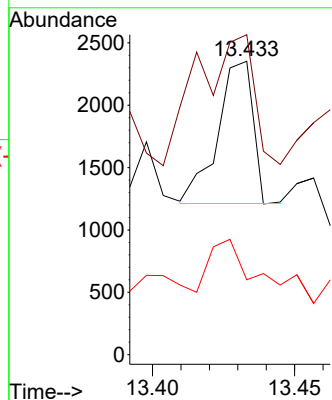
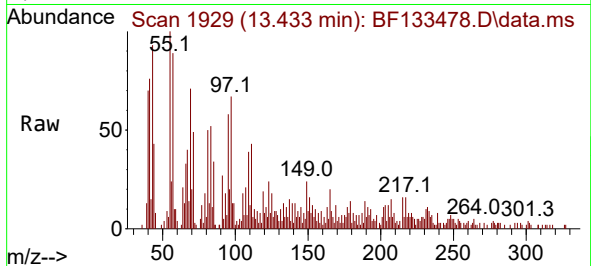




#80
Butylbenzylphthalate
Concen: 3.469 ng
RT: 13.433 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Instrument :
BNA_F
ClientSampleId :
TP-30DL

Tgt Ion:149 Resp: 985
Ion Ratio Lower Upper
149 100
91 109.1 53.1 79.7#
206 25.5 17.4 26.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF133478.D
Acq: 24 May 2023 19:07

Tgt Ion:264 Resp: 268485
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.4 17.0 25.4

