

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133520.D
 Acq On : 30 May 2023 14:11
 Operator : CG\JU
 Sample : 02945-09RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP03RE

Quant Time: May 30 14:41:05 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)

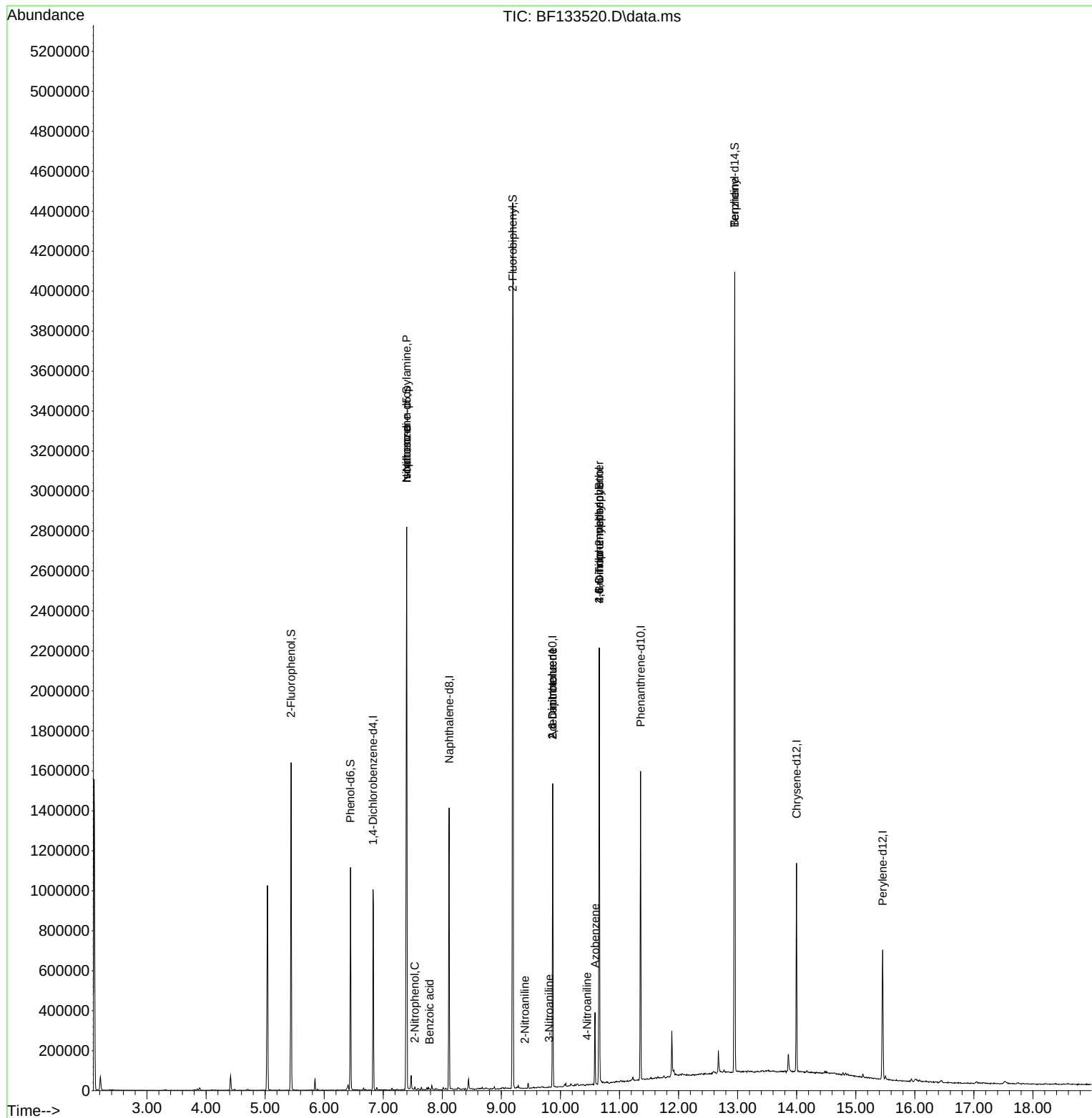
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	143796	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	547686	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	264320	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	510413	20.000	ng	0.00
76) Chrysene-d12	13.998	240	302378	20.000	ng	0.00
86) Perylene-d12	15.457	264	282147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	381652	44.283	ng	0.00
7) Phenol-d6	6.445	99	290919	27.421	ng	-0.02
23) Nitrobenzene-d5	7.398	82	845613	103.089	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	242746	92.131	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1462758	85.415	ng	0.00
79) Terphenyl-d14	12.951	244	1483254	87.215	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	385	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	7.398	70	118003	17.190	ng	# 77
25) Isophorone	7.398	82	843778	44.137	ng	# 65
26) 2-Nitrophenol	7.534	139	186	4.784	ng	# 1
32) Benzoic acid	7.787	122	250	7.389	ng	# 58
48) 2-Nitroaniline	9.398	65	152	4.019	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	33431	12.421	ng	# 18
53) 3-Nitroaniline	9.810	138	82	3.197	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	33431	11.618	ng	# 15
62) 4-Nitroaniline	10.451	138	305	3.049	ng	# 57
63) Azobenzene	10.586	77	58508	3.031	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	630	8.959	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	15201	2.804	ng	# 1
77) Benzidine	12.951	184	21552	2.437	ng	# 92

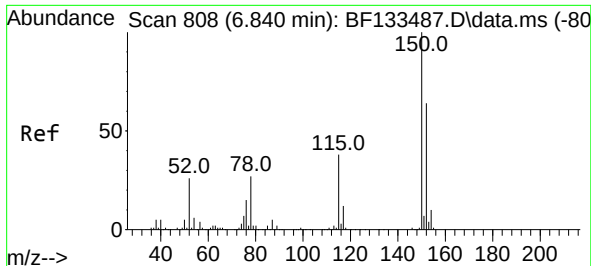
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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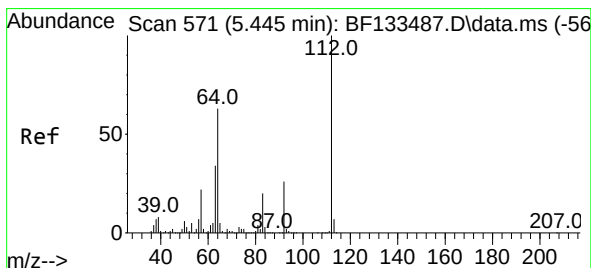
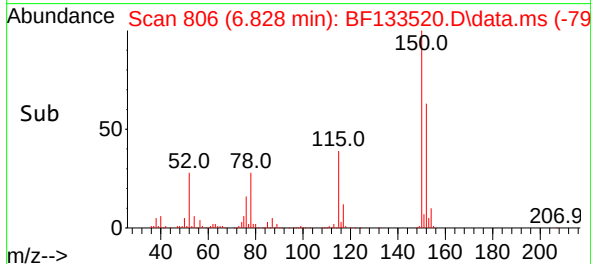
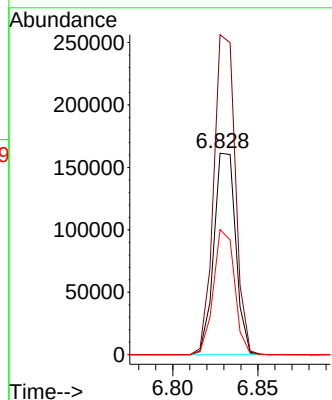
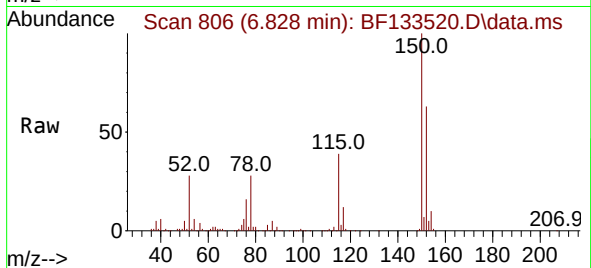




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

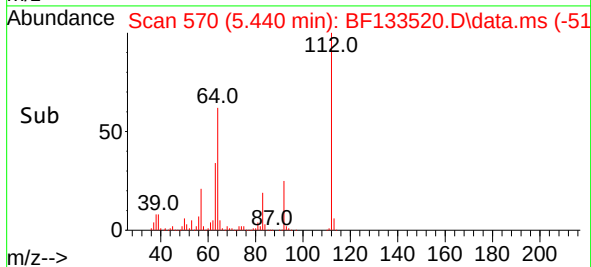
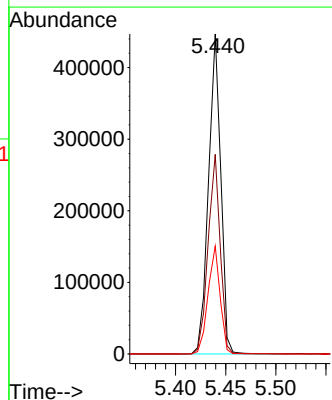
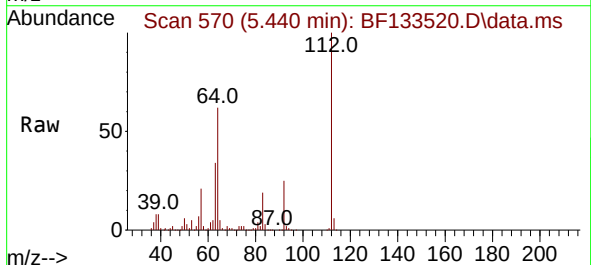
Instrument :
BNA_F
ClientSampleId :
TWP03RE

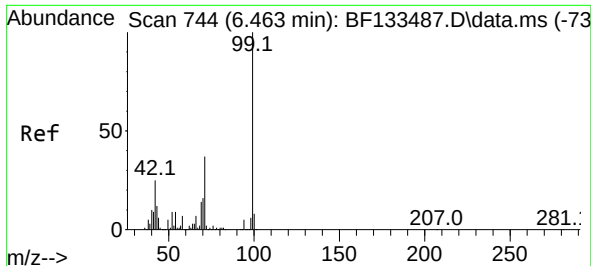
Tgt Ion:152 Resp: 143796
Ion Ratio Lower Upper
152 100
150 158.8 124.9 187.3
115 62.1 48.1 72.1



#5
2-Fluorophenol
Concen: 44.283 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

Tgt Ion:112 Resp: 381652
Ion Ratio Lower Upper
112 100
64 62.3 50.1 75.1
63 33.7 27.5 41.3

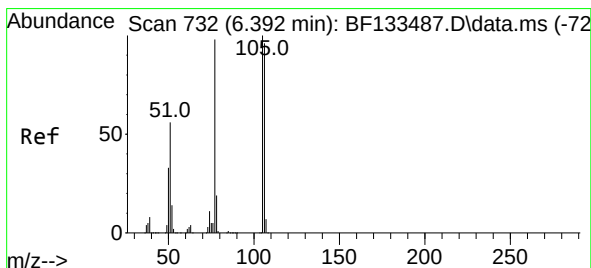
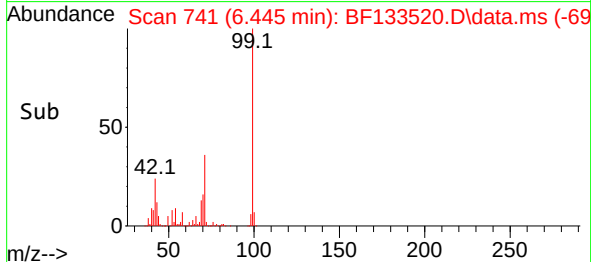
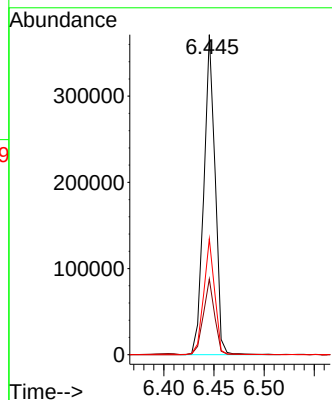
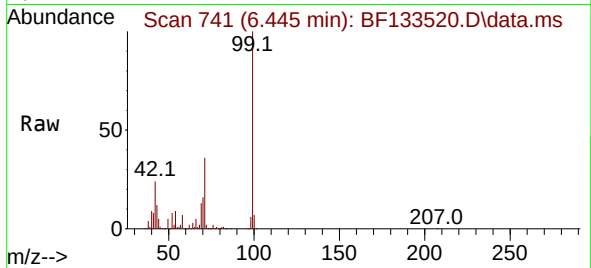




#7
Phenol-d6
Concen: 27.421 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

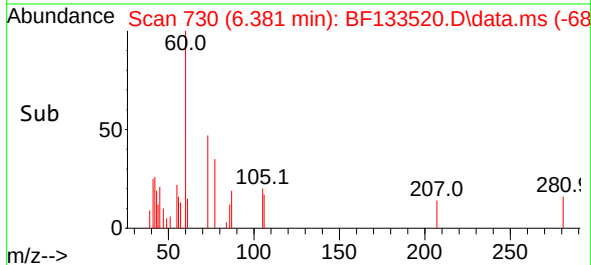
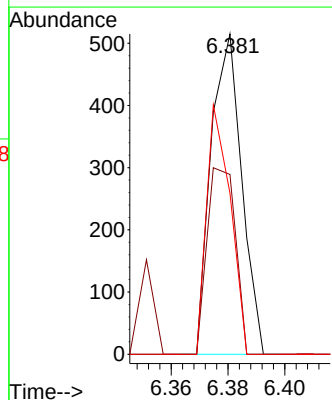
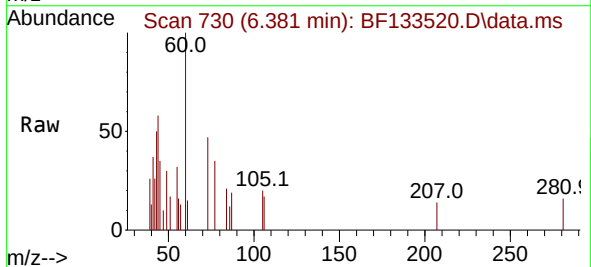
Instrument :
BNA_F
ClientSampleId :
TWP03RE

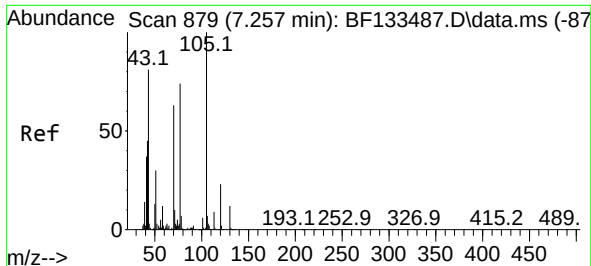
Tgt Ion: 99 Resp: 290919
Ion Ratio Lower Upper
99 100
42 23.6 19.7 29.5
71 36.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

Tgt Ion: 77 Resp: 385
Ion Ratio Lower Upper
77 100
105 56.1 81.9 121.9#
106 50.3 77.8 117.8#

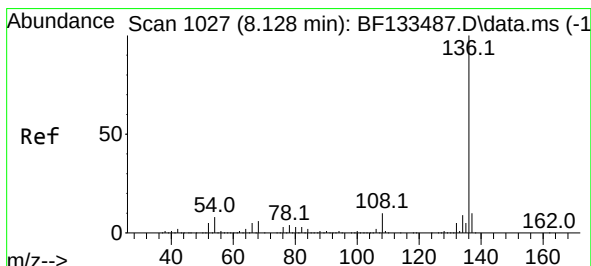
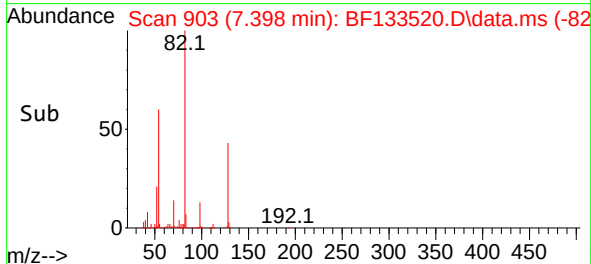
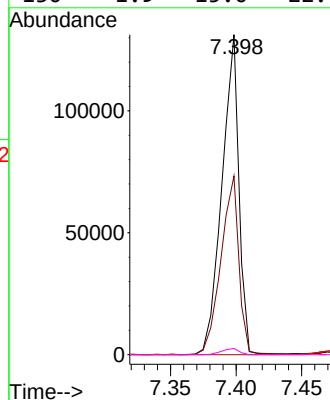
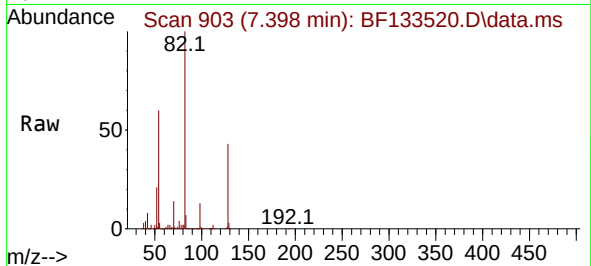




#19
n-Nitroso-di-n-propylamine
Concen: 17.190 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

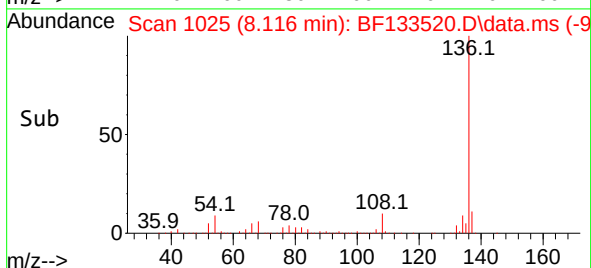
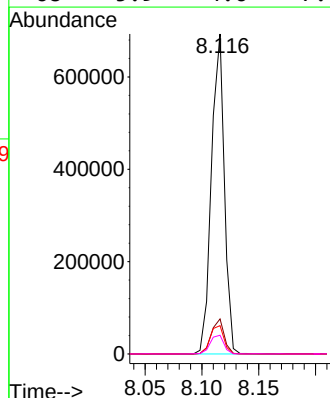
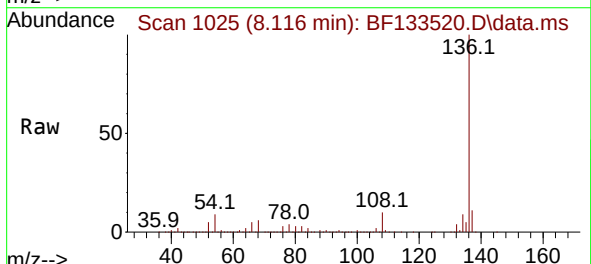
Instrument :
BNA_F
ClientSampleId :
TWP03RE

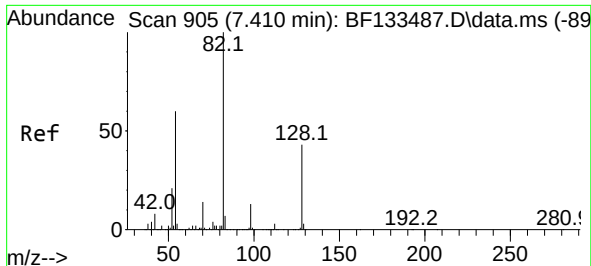
Tgt Ion: 70 Resp: 118003
Ion Ratio Lower Upper
70 100
42 55.9 57.2 85.8#
101 0.0 7.3 10.9#
130 1.9 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

Tgt Ion:136 Resp: 547686
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 8.9 6.6 10.0
68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 103.089 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

Instrument :

BNA_F

ClientSampleId :

TWP03RE

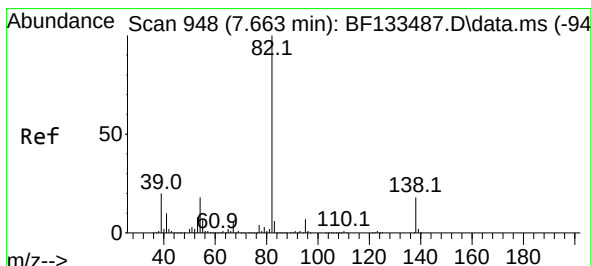
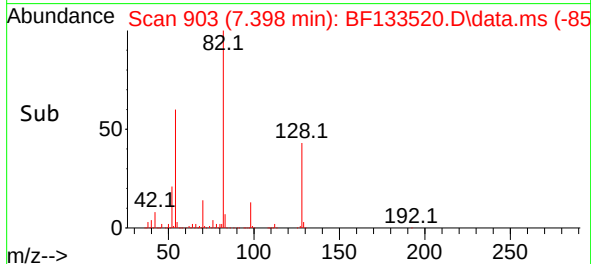
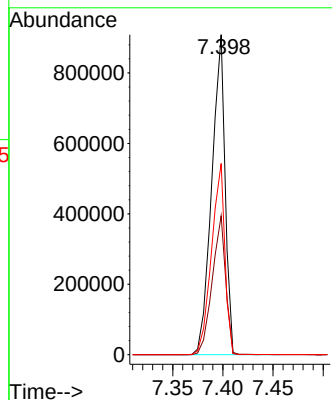
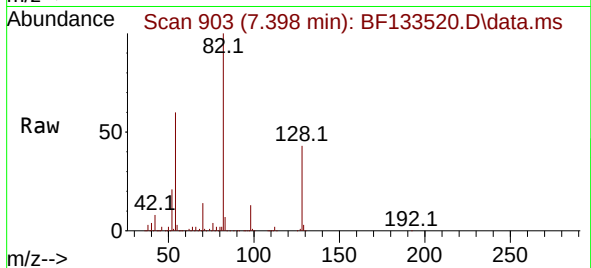
Tgt Ion: 82 Resp: 845613

Ion Ratio Lower Upper

82 100

128 43.4 34.2 51.4

54 59.7 48.2 72.4



#25

Isophorone

Concen: 44.137 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

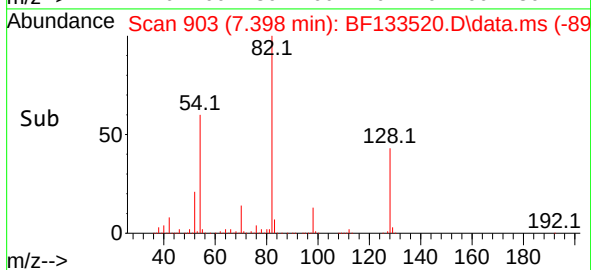
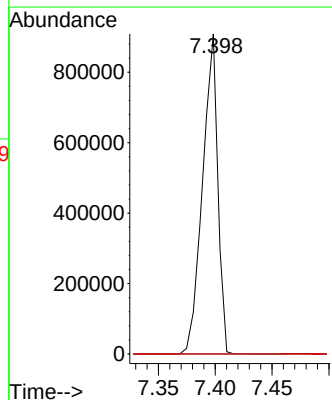
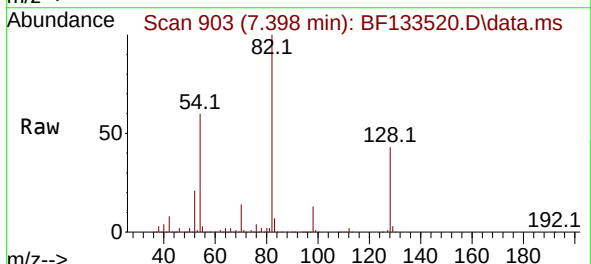
Tgt Ion: 82 Resp: 843778

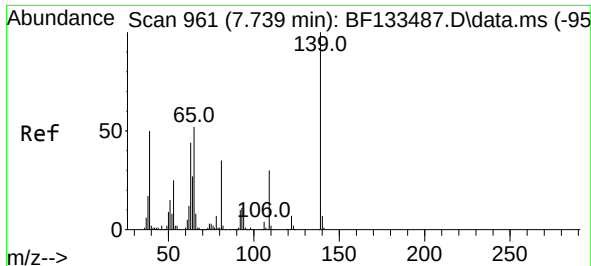
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

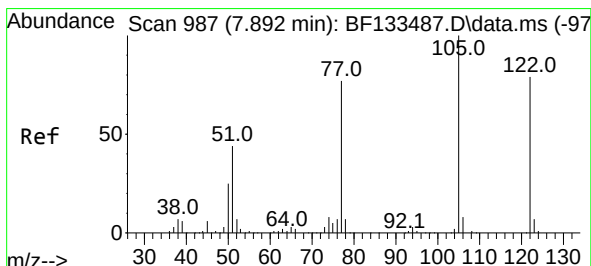
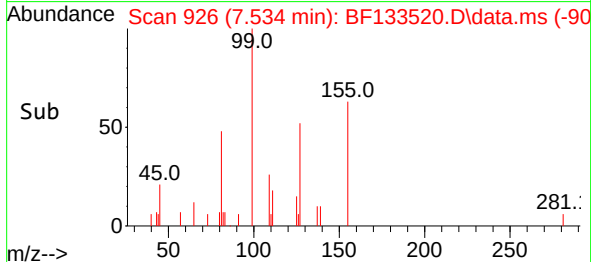
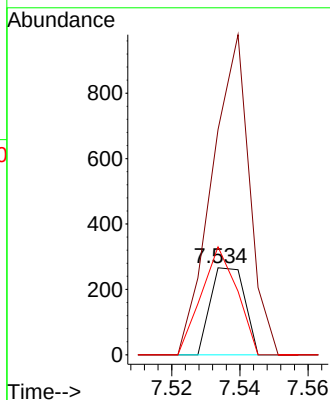
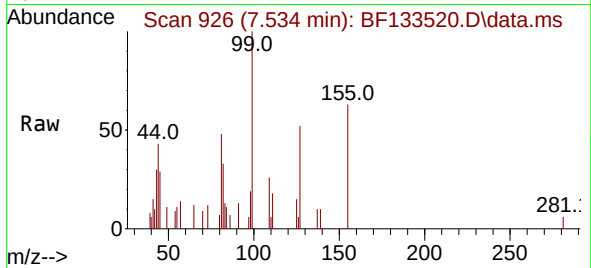




#26
2-Nitrophenol
Concen: 4.784 ng
RT: 7.534 min Scan# 91
Delta R.T. -0.200 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

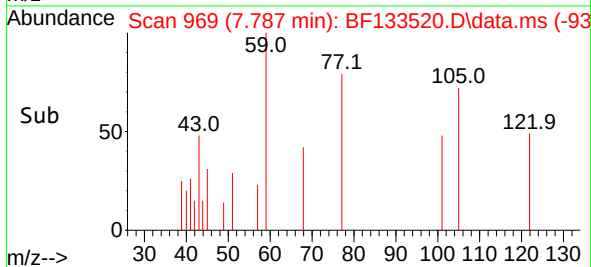
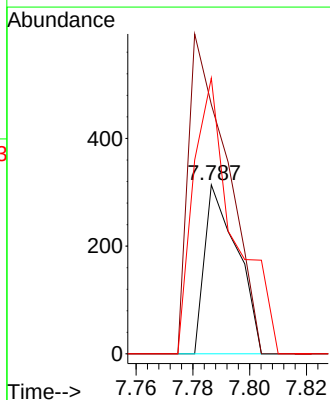
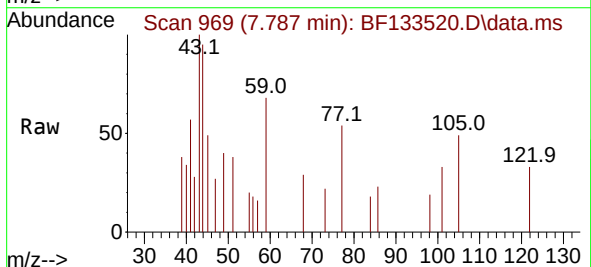
Instrument :
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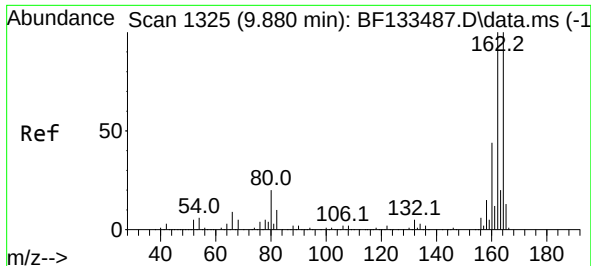
Tgt Ion:139 Resp: 186
Ion Ratio Lower Upper
139 100
109 259.0 24.0 36.0#
65 124.1 41.7 62.5#



#32
Benzoic acid
Concen: 7.389 ng
RT: 7.787 min Scan# 969
Delta R.T. -0.094 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

Tgt Ion:122 Resp: 250
Ion Ratio Lower Upper
122 100
105 147.5 103.3 143.3#
77 163.1 75.7 115.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

Instrument :

BNA_F

ClientSampleId :

TWP03RE

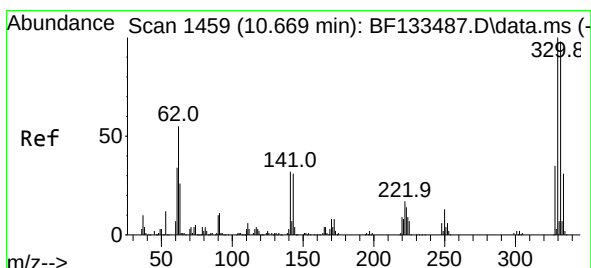
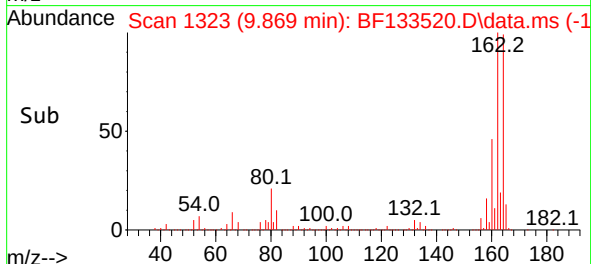
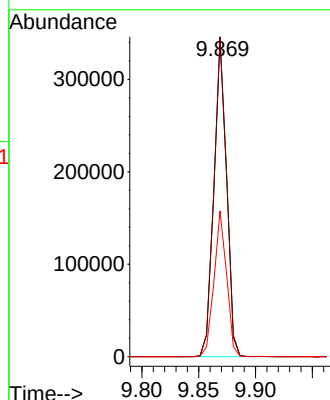
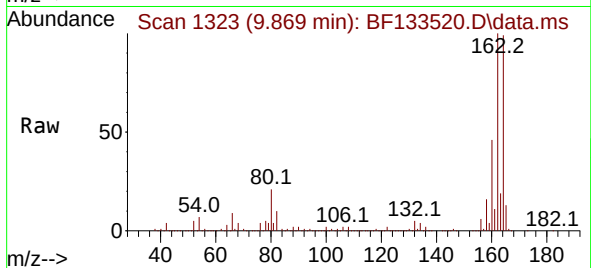
Tgt Ion:164 Resp: 264320

Ion Ratio Lower Upper

164 100

162 100.9 79.7 119.5

160 46.0 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 92.131 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

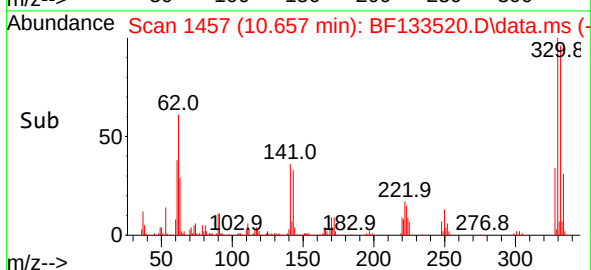
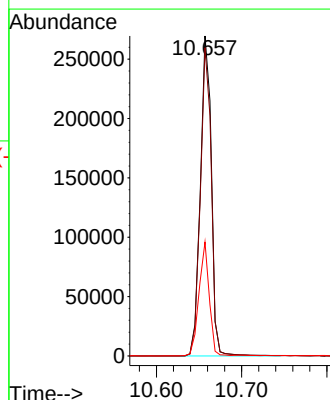
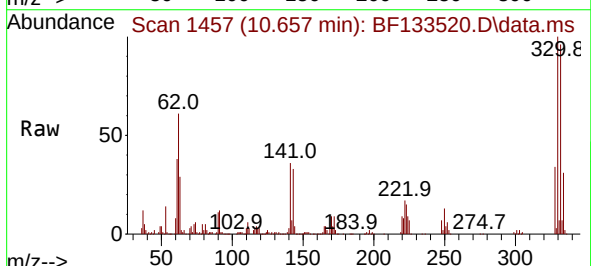
Tgt Ion:330 Resp: 242746

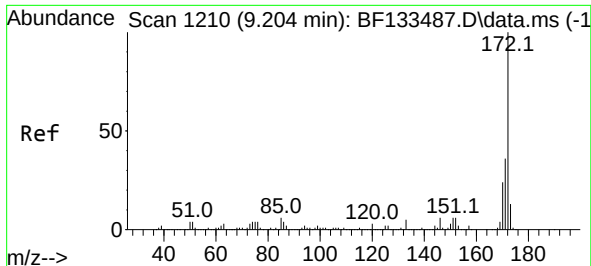
Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

141 33.3 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 85.415 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

Instrument :

BNA_F

ClientSampleId :

TWP03RE

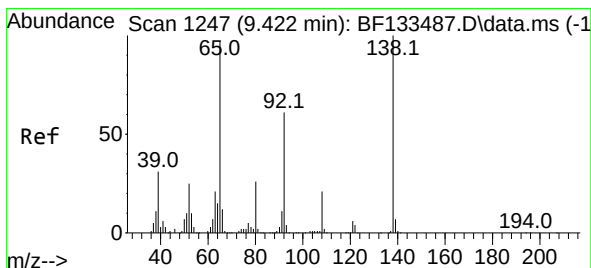
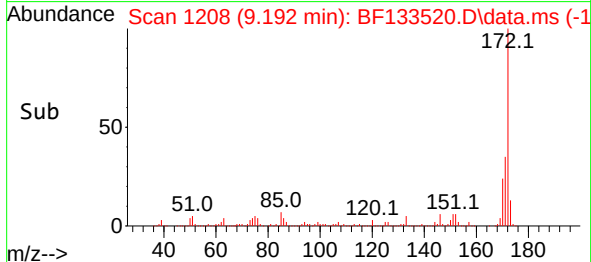
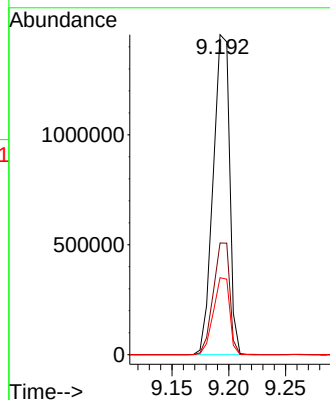
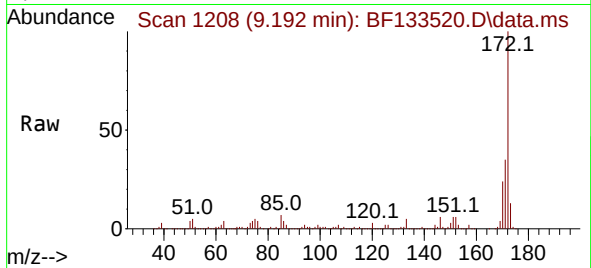
Tgt Ion:172 Resp: 1462758

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 24.0 19.3 28.9



#48

2-Nitroaniline

Concen: 4.019 ng

RT: 9.398 min Scan# 1243

Delta R.T. -0.018 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

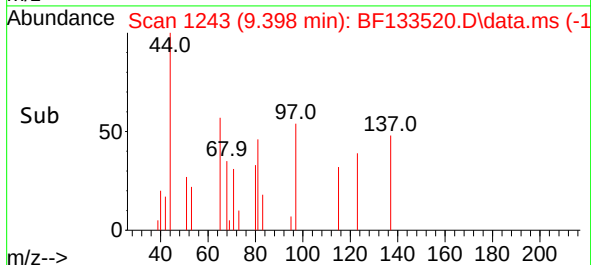
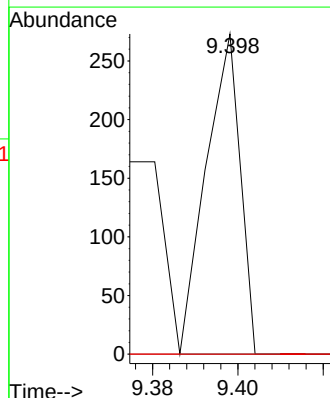
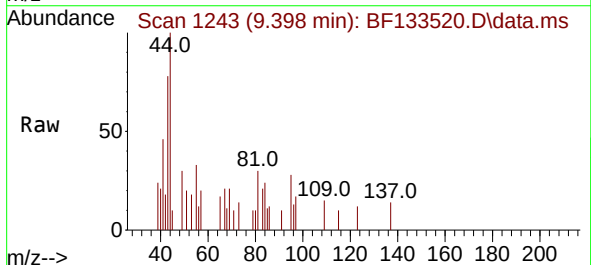
Tgt Ion: 65 Resp: 152

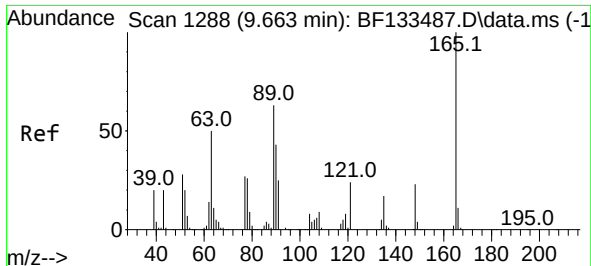
Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.421 ng

RT: 9.869 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

Instrument :

BNA_F

ClientSampleId :

TWP03RE

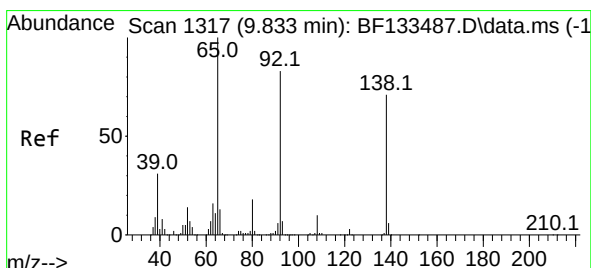
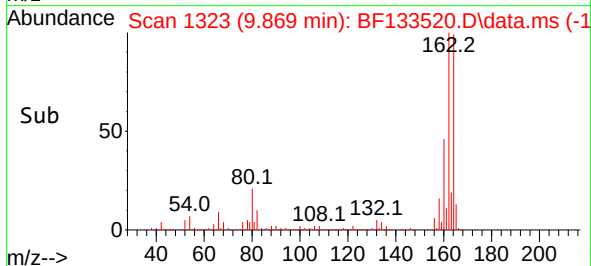
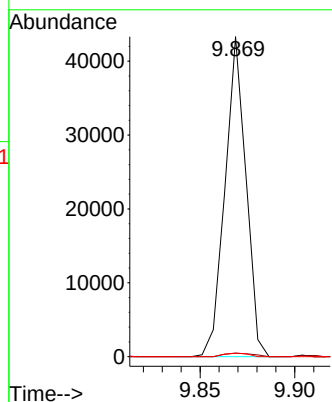
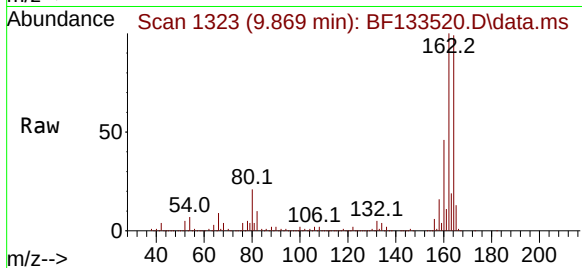
Tgt Ion:165 Resp: 33431

Ion Ratio Lower Upper

165 100

63 1.1 57.0 85.4#

89 1.1 50.8 76.2#



#53

3-Nitroaniline

Concen: 3.197 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.018 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

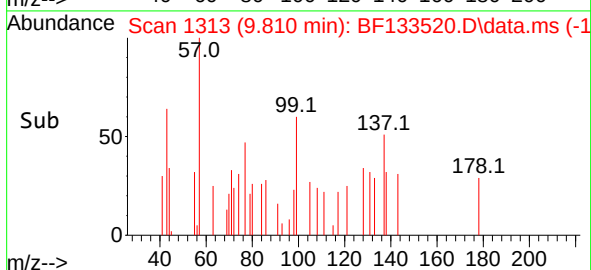
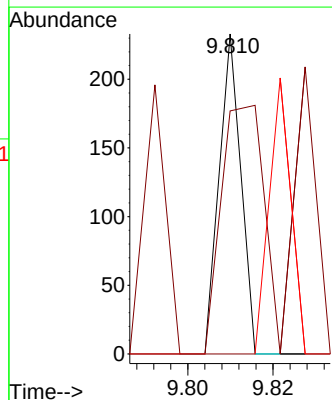
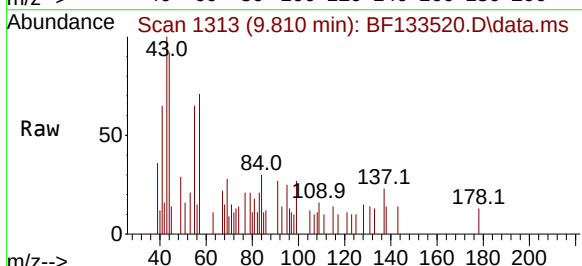
Tgt Ion:138 Resp: 82

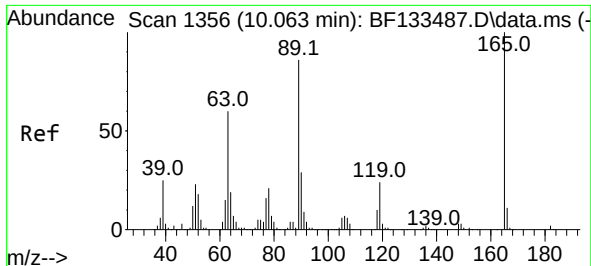
Ion Ratio Lower Upper

138 100

108 76.0 11.9 17.9#

92 0.0 93.1 139.7#

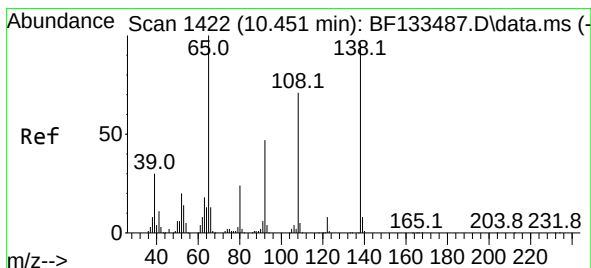
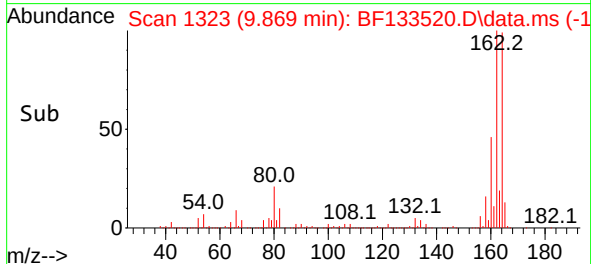
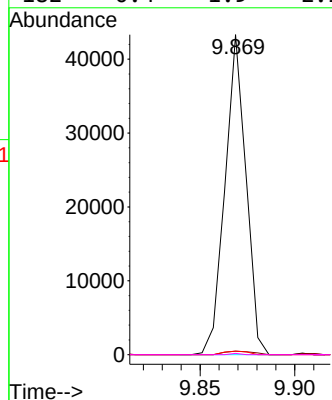
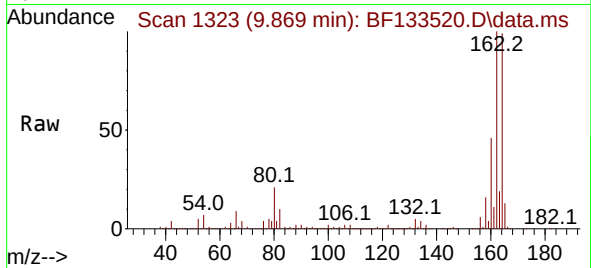




#57
2,4-Dinitrotoluene
Concen: 11.618 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

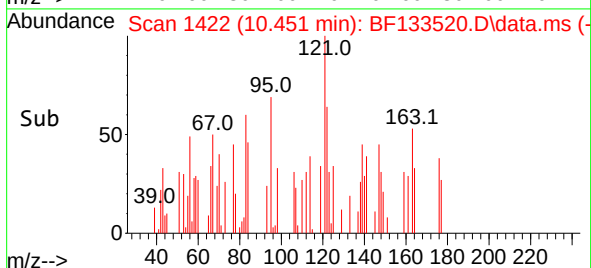
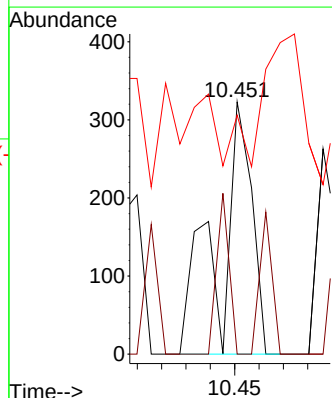
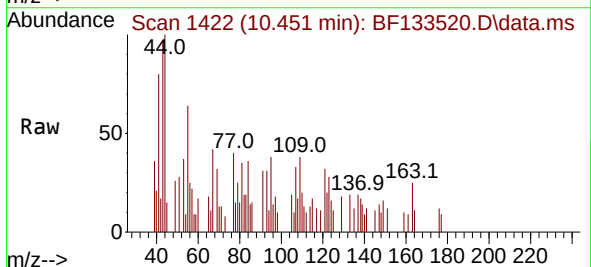
Instrument :
BNA_F
ClientSampleId :
TWP03RE

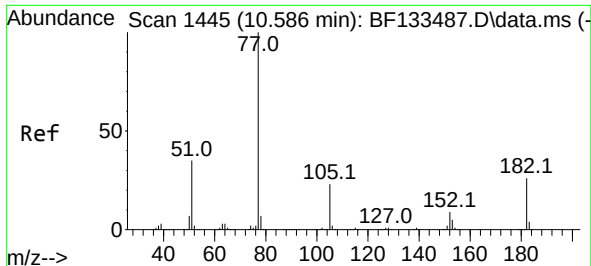
Tgt Ion:165 Resp: 33431
Ion Ratio Lower Upper
165 100
63 1.1 48.1 72.1#
89 1.1 68.4 102.6#
182 0.4 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.049 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.012 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

Tgt Ion:138 Resp: 305
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 94.7 54.2 94.2#

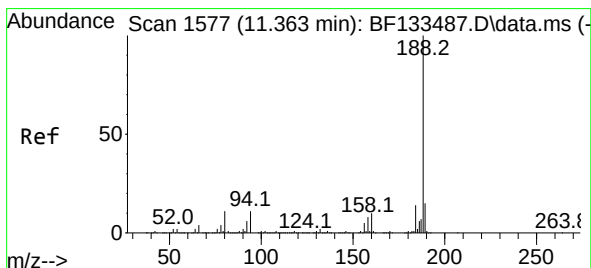
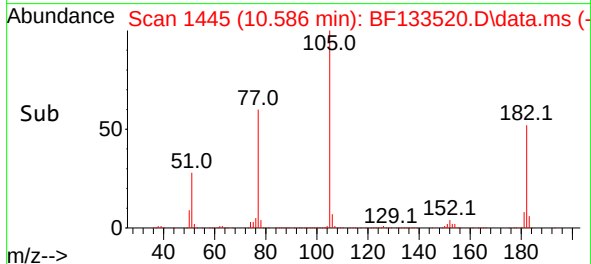
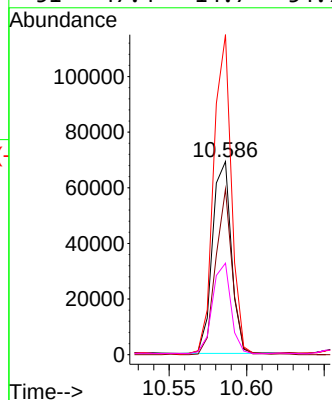
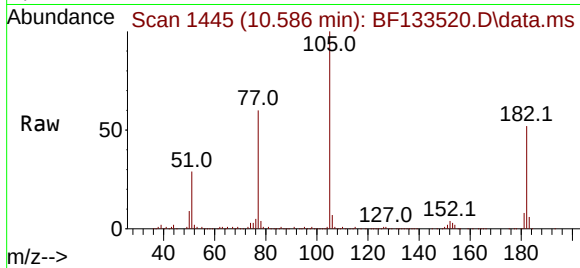




#63
Azobenzene
Concen: 3.031 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.012 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

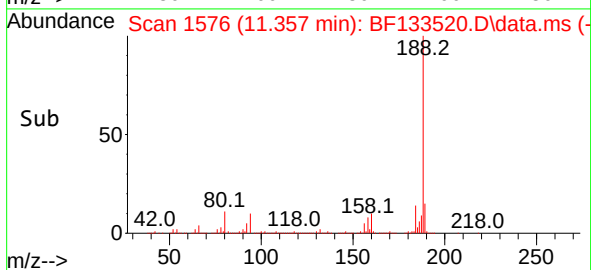
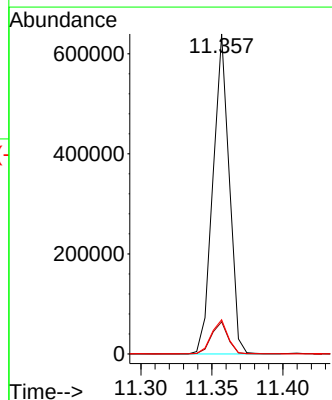
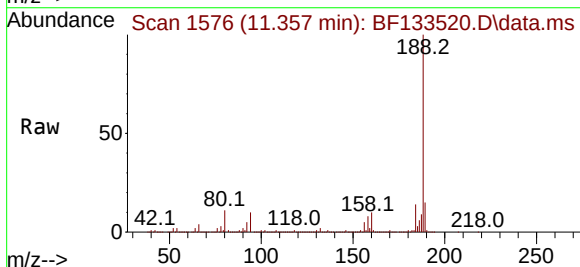
Instrument :
BNA_F
ClientSampleId :
TWP03RE

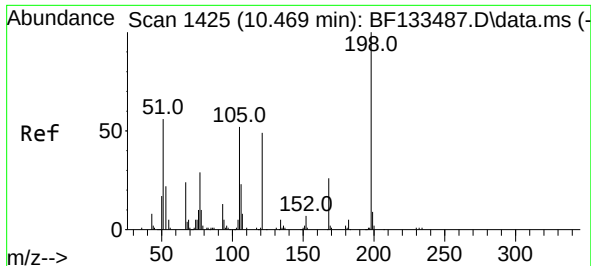
Tgt Ion: 77	Resp: 58508
Ion Ratio	Lower Upper
77 100	
182 85.8	5.6 45.6#
105 165.8	2.6 42.6#
51 47.4	14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF133520.D
Acq: 30 May 2023 14:11

Tgt Ion: 188	Resp: 510413
Ion Ratio	Lower Upper
188 100	
94 10.1	8.6 12.8
80 10.7	9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.959 ng

RT: 10.657 min Scan# 14

Delta R.T. 0.188 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

Instrument :

BNA_F

ClientSampleId :

TWP03RE

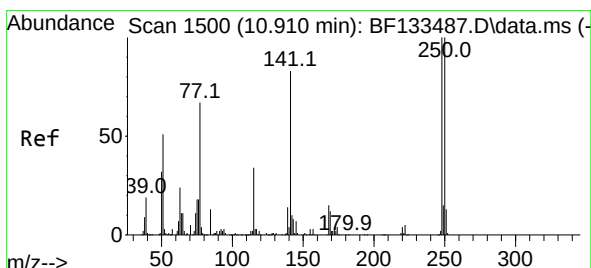
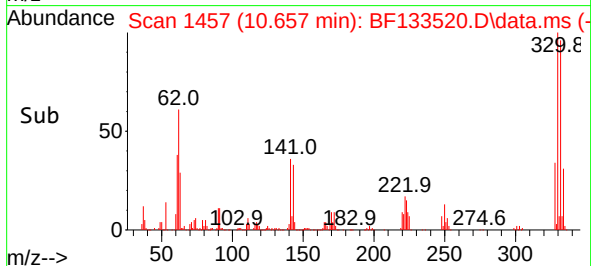
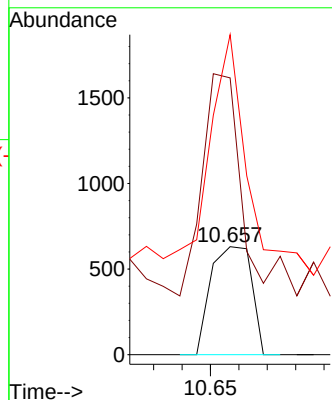
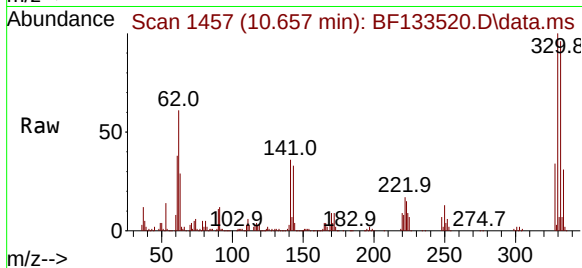
Tgt Ion:198 Resp: 630

Ion Ratio Lower Upper

198 100

51 256.3 53.6 93.6#

105 296.2 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 2.804 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

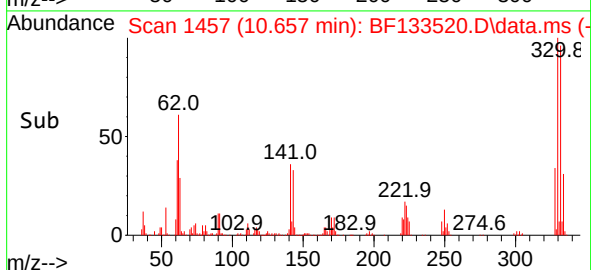
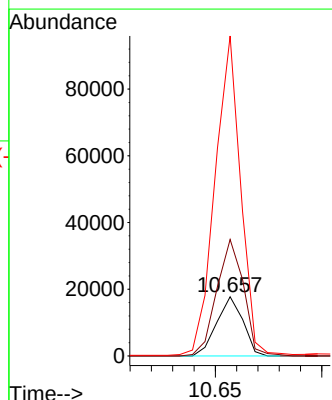
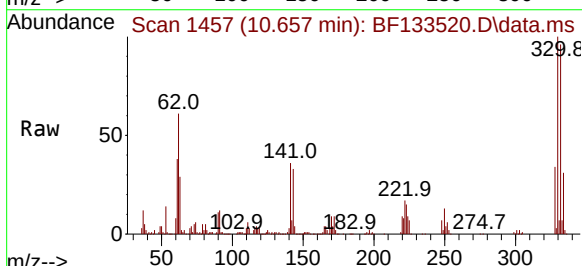
Tgt Ion:248 Resp: 15201

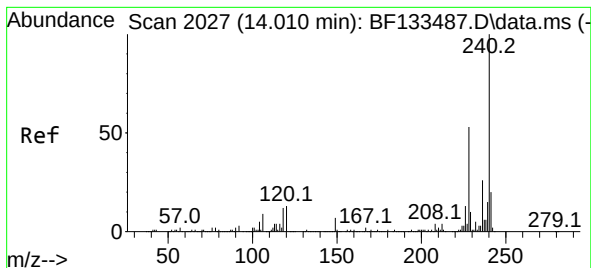
Ion Ratio Lower Upper

248 100

250 196.8 79.7 119.5#

141 540.1 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: BF133520.D

Acq: 30 May 2023 14:11

Instrument :

BNA_F

ClientSampleId :

TWP03RE

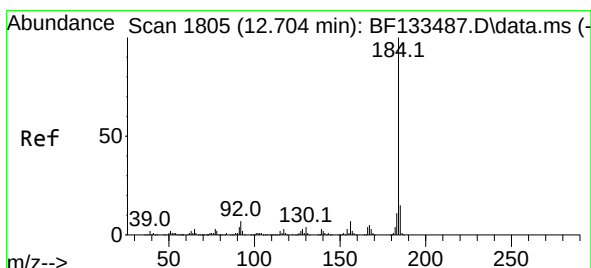
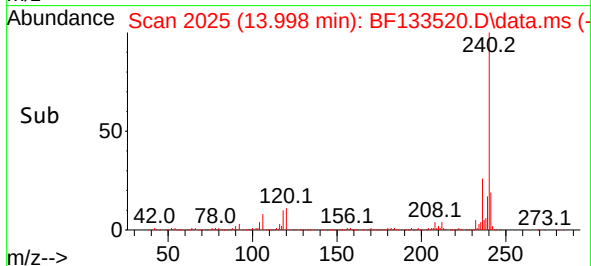
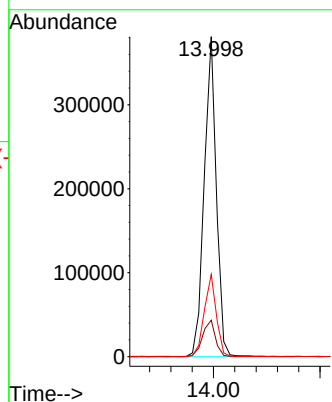
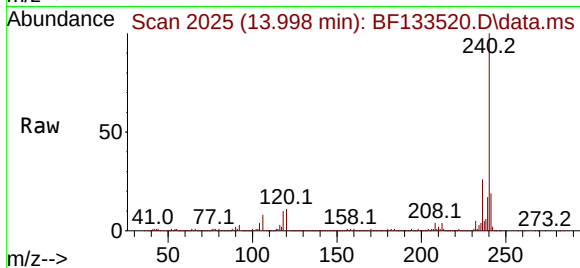
Tgt Ion:240 Resp: 302378

Ion Ratio Lower Upper

240 100

120 11.4 10.3 15.5

236 25.7 20.5 30.7



#77

Benidine

Concen: 2.437 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

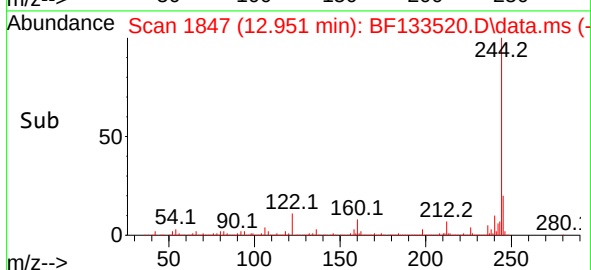
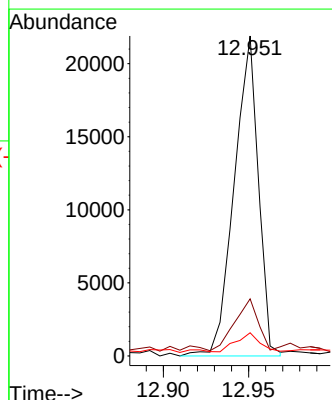
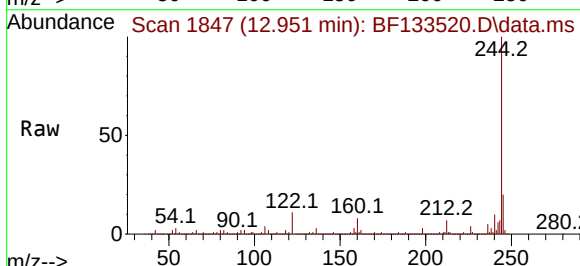
Tgt Ion:184 Resp: 21552

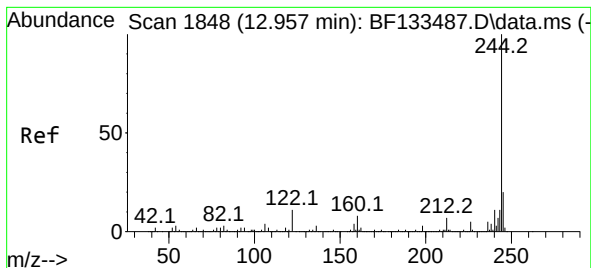
Ion Ratio Lower Upper

184 100

185 17.9 12.2 18.2

183 7.3 8.7 13.1#





#79

Terphenyl-d14

Concen: 87.215 ng

RT: 12.951 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

Instrument :

BNA_F

ClientSampleId :

TWP03RE

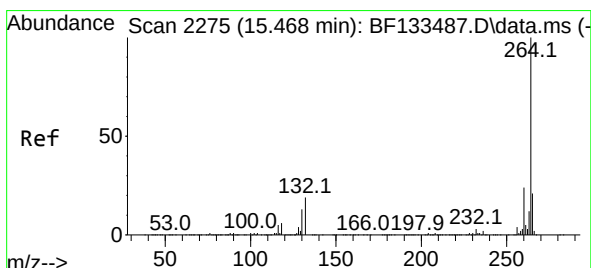
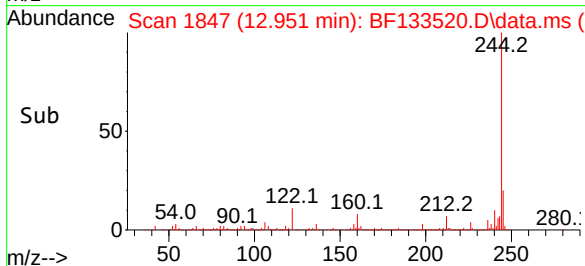
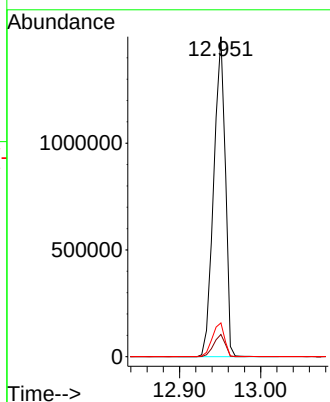
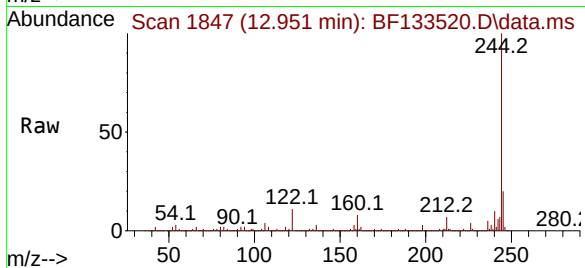
Tgt Ion:244 Resp: 1483254

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 10.6 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF133520.D

Acq: 30 May 2023 14:11

Tgt Ion:264 Resp: 282147

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.1 16.8 25.2

