

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133522.D
 Acq On : 30 May 2023 15:15
 Operator : CG\JU
 Sample : 02899-10RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP01RE

Quant Time: May 30 15:47:05 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

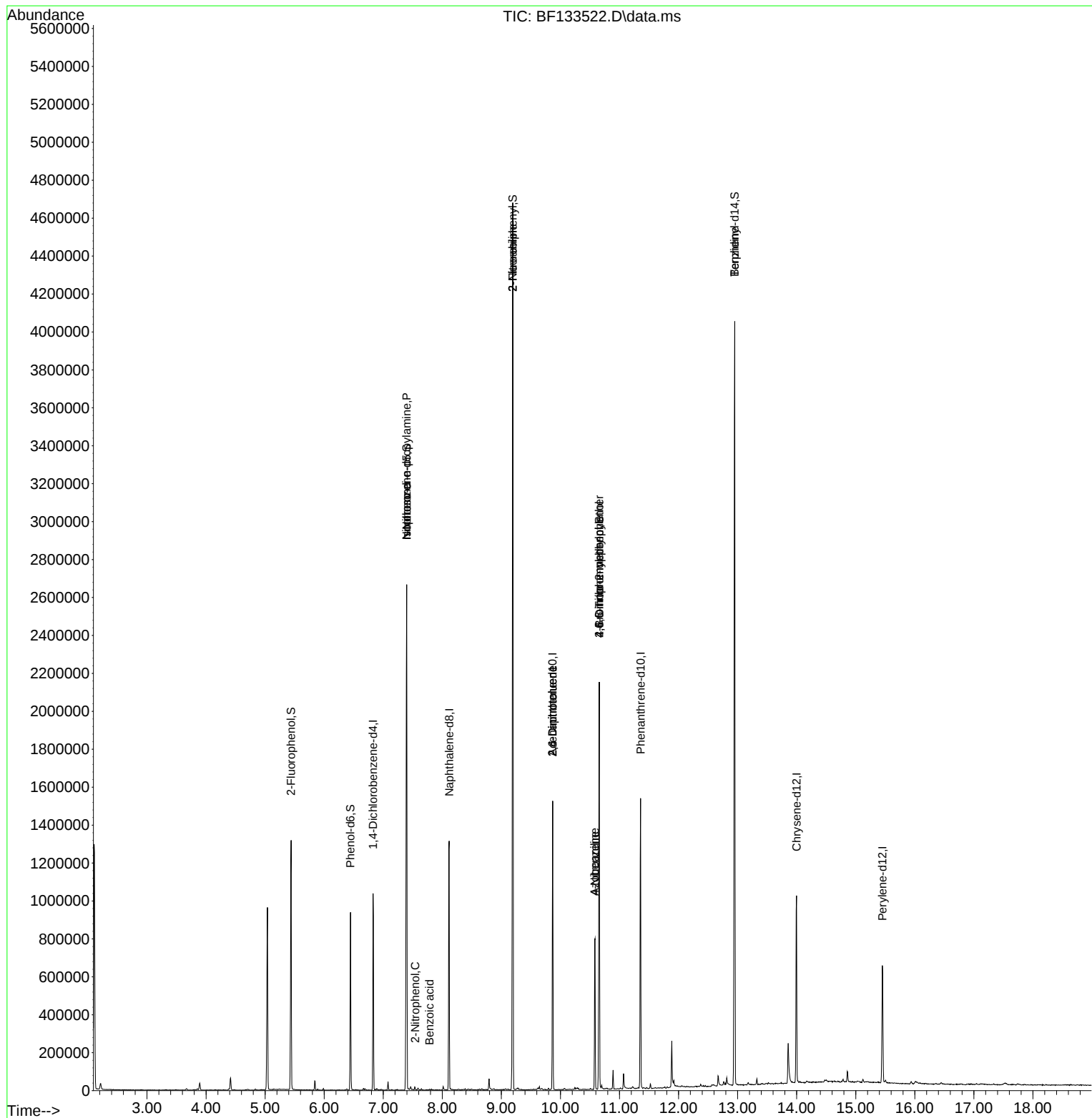
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	145985	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	552899	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	271147	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	522555	20.000	ng	0.00
76) Chrysene-d12	13.998	240	331432	20.000	ng	0.00
86) Perylene-d12	15.451	264	269767	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	327327	37.410	ng	0.00
7) Phenol-d6	6.445	99	241297	22.403	ng	-0.02
23) Nitrobenzene-d5	7.398	82	810262	97.848	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	236068	87.341	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1392720	79.277	ng	0.00
79) Terphenyl-d14	12.951	244	1494291	80.162	ng	0.00
Target Compounds						
9) Benzaldehyde	6.375	77	585	Below Cal		90
19) n-Nitroso-di-n-propyla...	7.398	70	113913	16.346	ng	# 76
25) Isophorone	7.398	82	808180	41.876	ng	# 65
26) 2-Nitrophenol	7.539	139	253	4.798	ng	# 1
32) Benzoic acid	7.786	122	400	7.412	ng	# 65
48) 2-Nitroaniline	9.192	65	2789	4.490	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	34610	12.501	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	34610	11.681	ng	# 16
62) 4-Nitroaniline	10.580	138	59	2.997	ng	# 19
63) Azobenzene	10.580	77	145692	7.357	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	483	8.897	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	14451	2.604	ng	# 1
77) Benzidine	12.951	184	21630	2.231	ng	# 92

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

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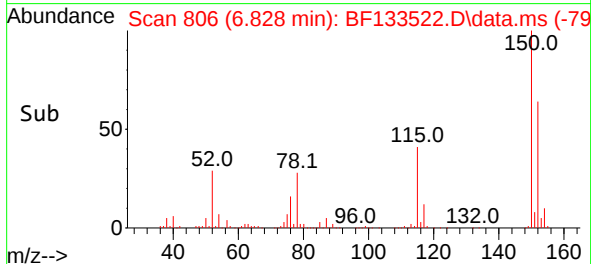
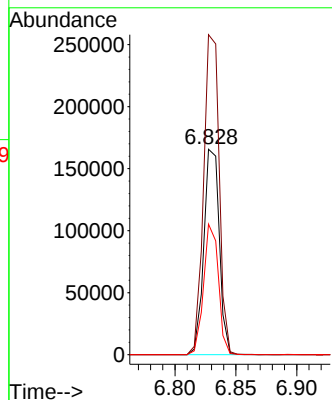
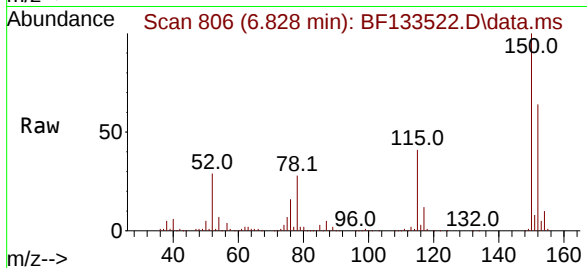




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

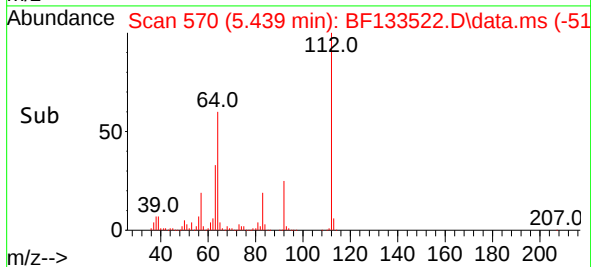
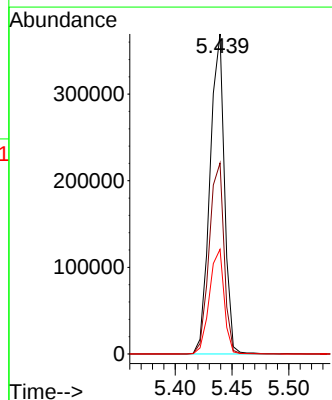
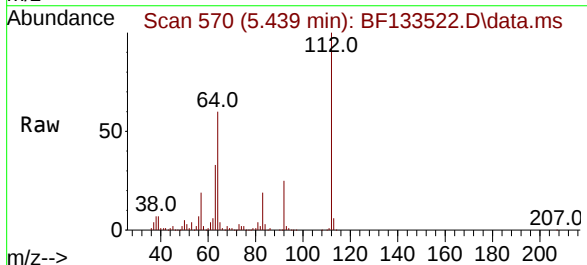
Instrument :
BNA_F
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TWP01RE

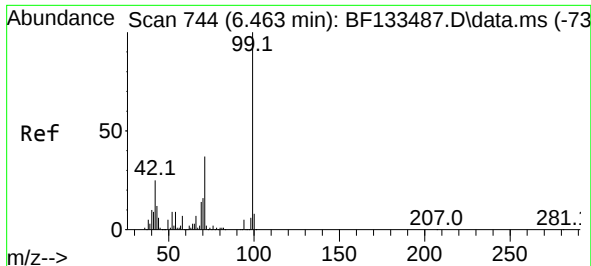
Tgt Ion:152 Resp: 145985
Ion Ratio Lower Upper
152 100
150 155.8 124.9 187.3
115 63.6 48.1 72.1



#5
2-Fluorophenol
Concen: 37.410 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Tgt Ion:112 Resp: 327327
Ion Ratio Lower Upper
112 100
64 59.7 50.1 75.1
63 32.7 27.5 41.3

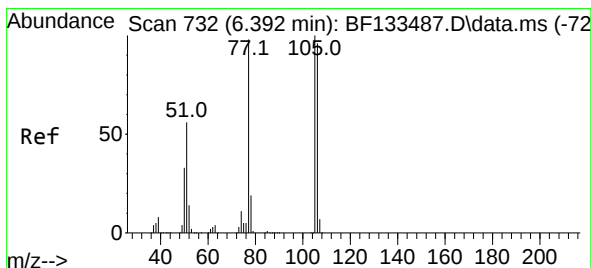
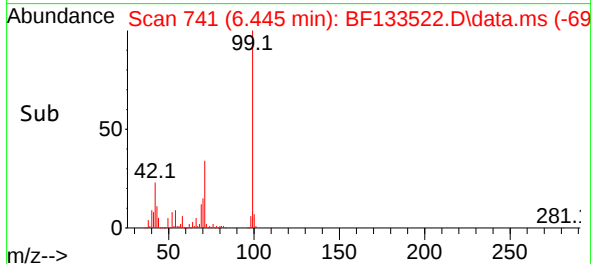
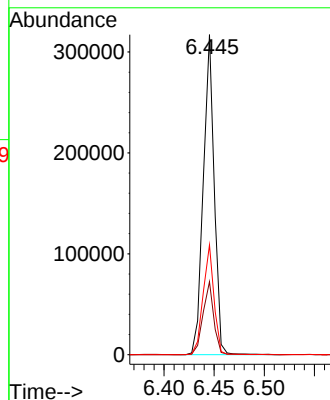
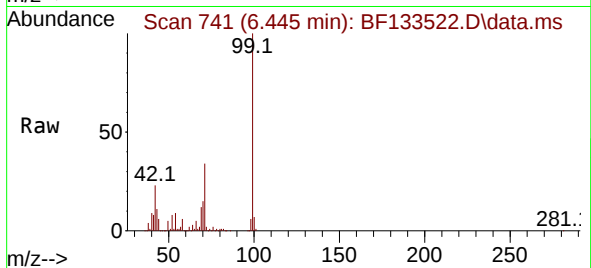




#7
Phenol-d6
Concen: 22.403 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

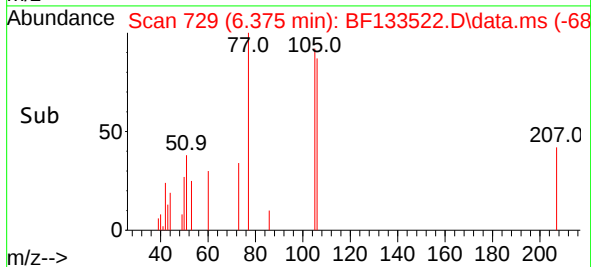
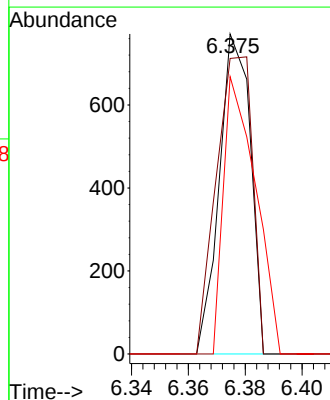
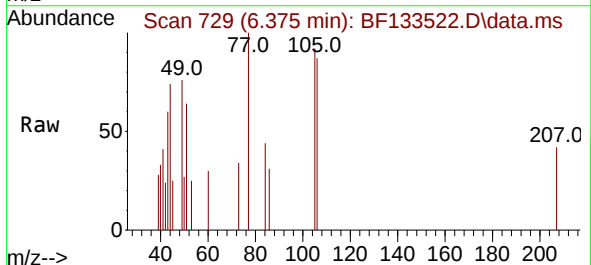
Instrument :
BNA_F
ClientSampleId :
TWP01RE

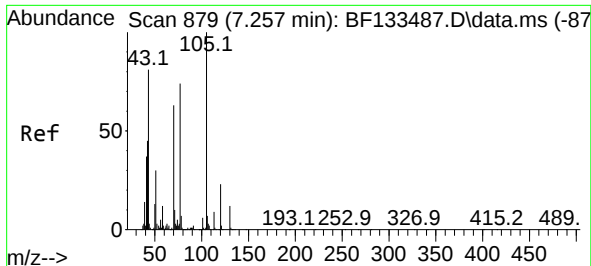
Tgt Ion: 99 Resp: 241297
Ion Ratio Lower Upper
99 100
42 22.8 19.7 29.5
71 34.3 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Tgt Ion: 77 Resp: 585
Ion Ratio Lower Upper
77 100
105 92.3 81.9 121.9
106 86.6 77.8 117.8

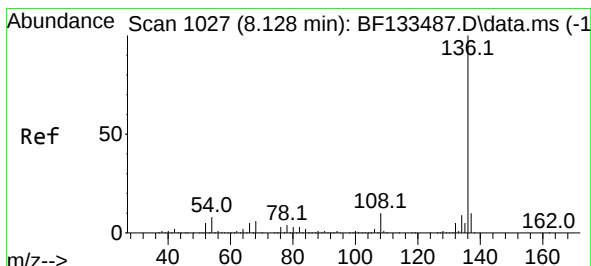
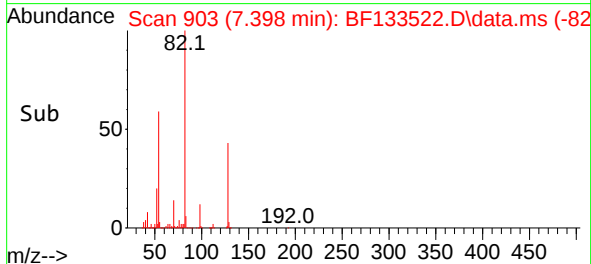
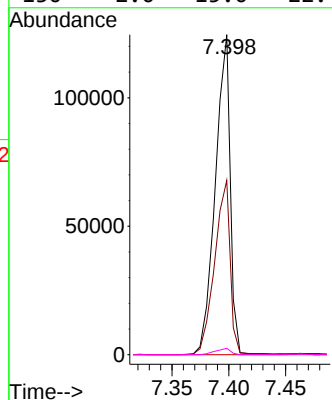
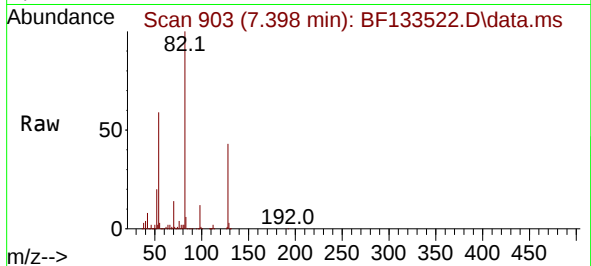




#19
n-Nitroso-di-n-propylamine
Concen: 16.346 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

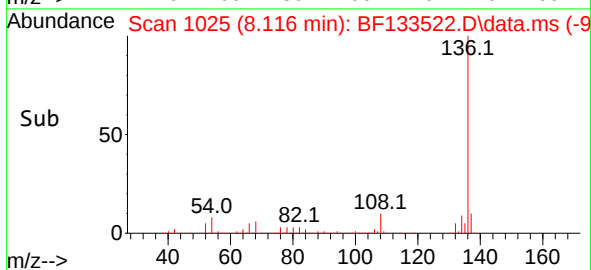
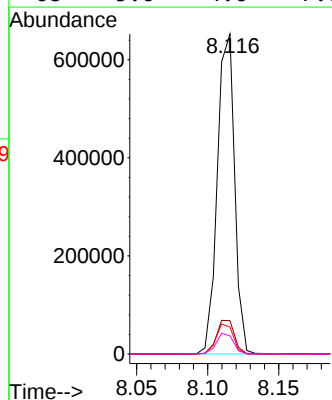
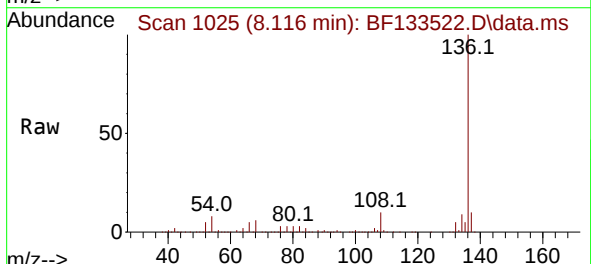
Instrument :
BNA_F
ClientSampleId :
TWP01RE

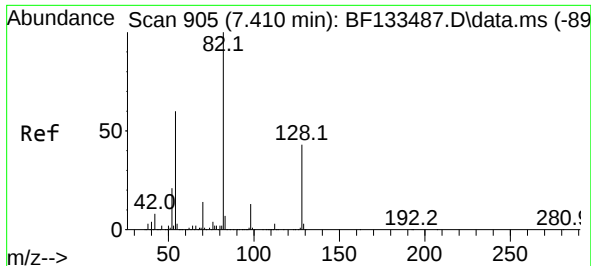
Tgt Ion: 70 Resp: 113913
Ion Ratio Lower Upper
70 100
42 54.5 57.2 85.8#
101 0.0 7.3 10.9#
130 2.0 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Tgt Ion: 136 Resp: 552899
Ion Ratio Lower Upper
136 100
137 10.4 8.2 12.4
54 8.4 6.6 10.0
68 5.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 97.848 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133522.D

Acq: 30 May 2023 15:15

Instrument :

BNA_F

ClientSampleId :

TWP01RE

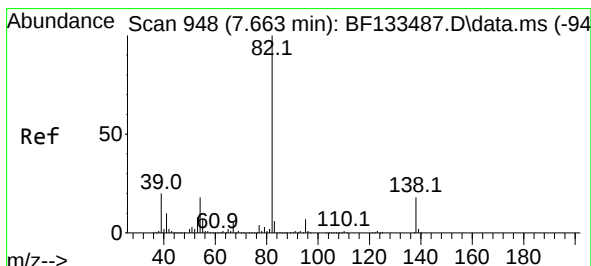
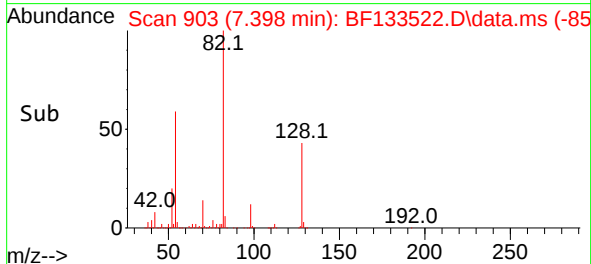
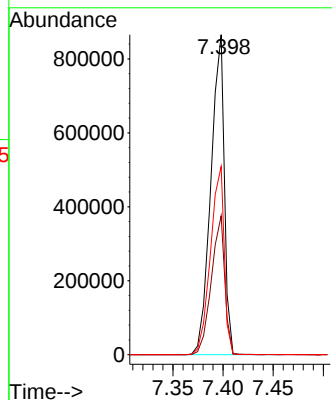
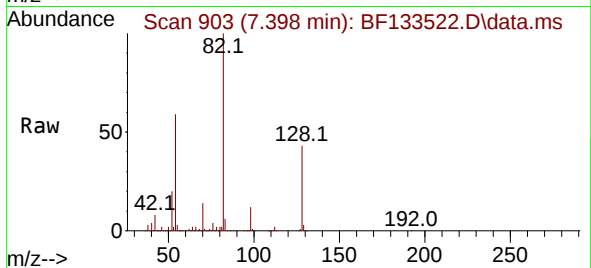
Tgt Ion: 82 Resp: 810262

Ion Ratio Lower Upper

82 100

128 43.4 34.2 51.4

54 58.8 48.2 72.4



#25

Isophorone

Concen: 41.876 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133522.D

Acq: 30 May 2023 15:15

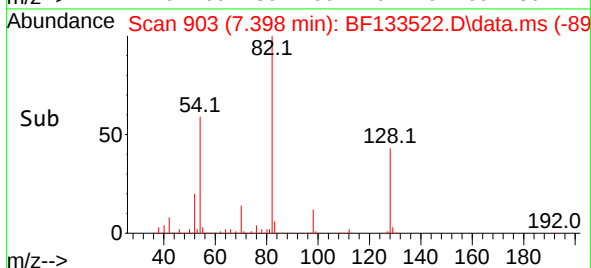
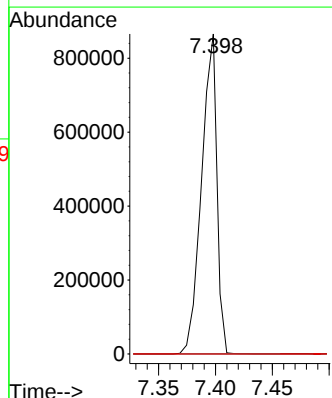
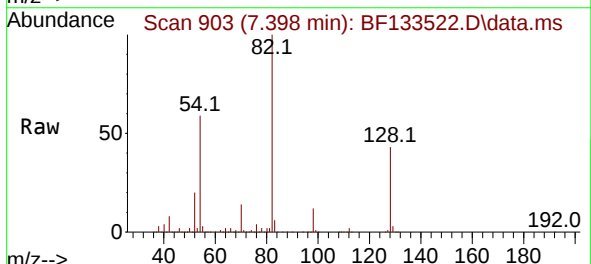
Tgt Ion: 82 Resp: 808180

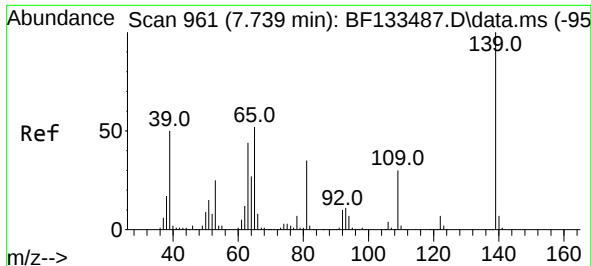
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

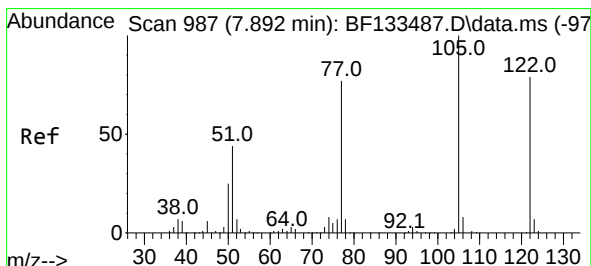
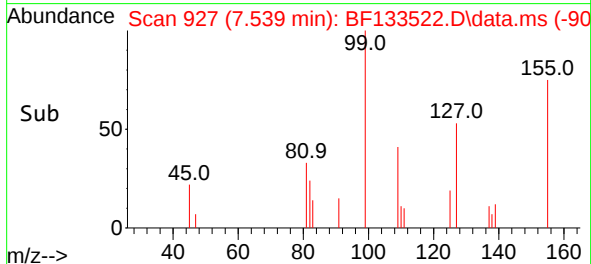
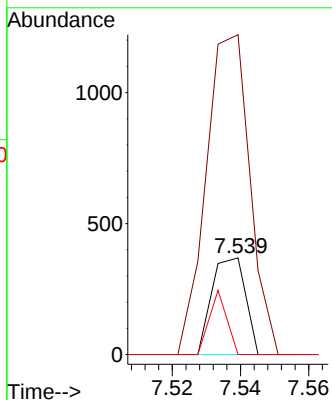
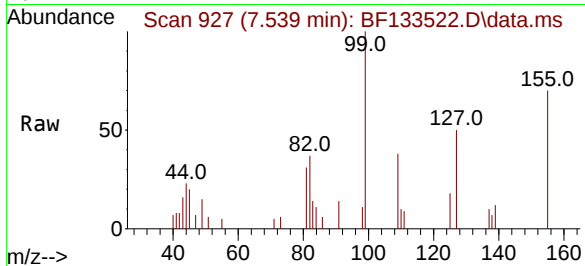




#26
2-Nitrophenol
Concen: 4.798 ng
RT: 7.539 min Scan# 91
Delta R.T. -0.194 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

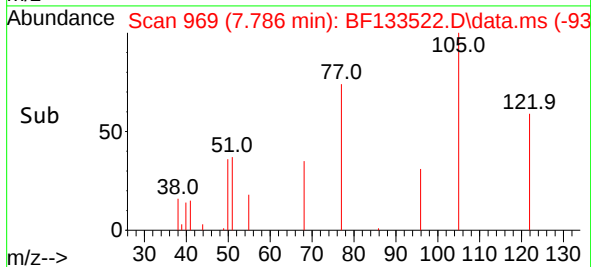
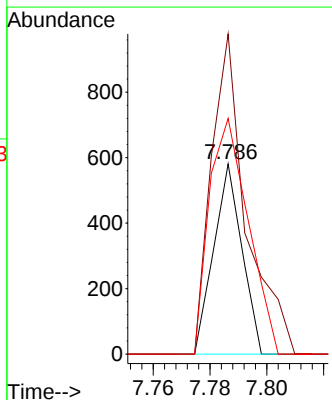
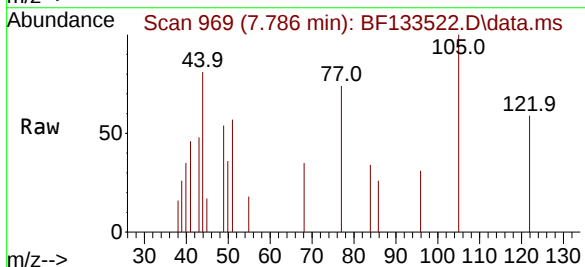
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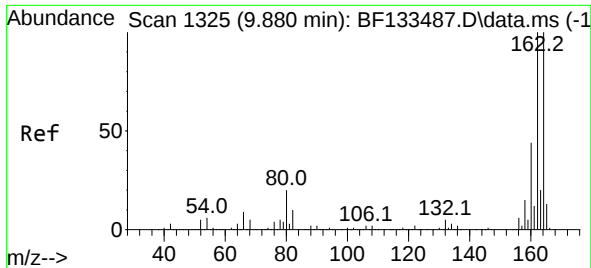
Tgt Ion:139 Resp: 253
Ion Ratio Lower Upper
139 100
109 330.9 24.0 36.0#
65 0.0 41.7 62.5#



#32
Benzoic acid
Concen: 7.412 ng
RT: 7.786 min Scan# 969
Delta R.T. -0.094 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Tgt Ion:122 Resp: 400
Ion Ratio Lower Upper
122 100
105 168.3 103.3 143.3#
77 123.9 75.7 115.7#

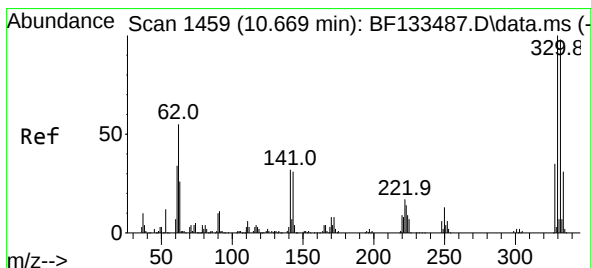
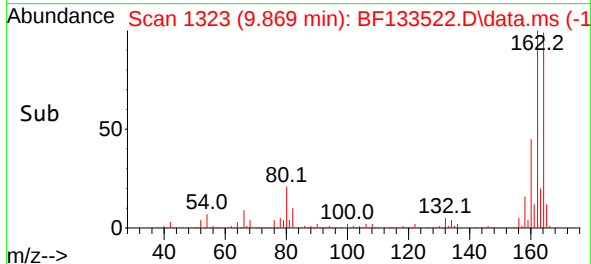
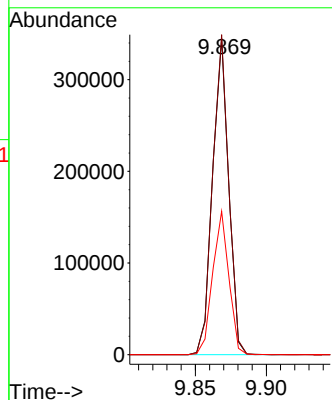
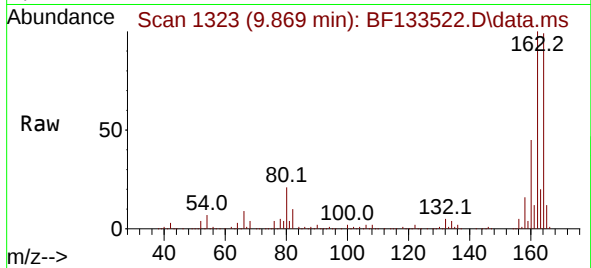




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

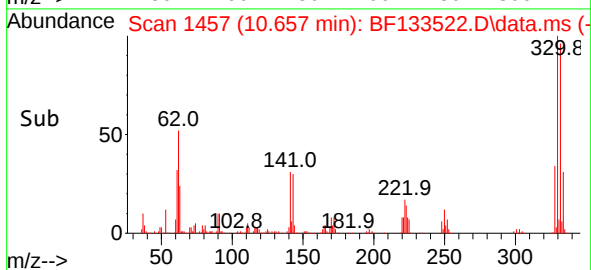
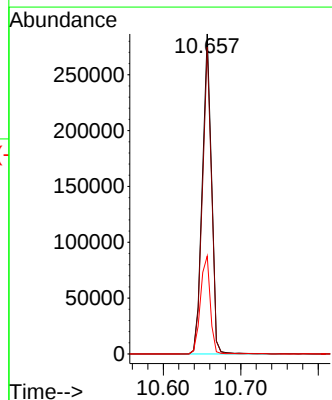
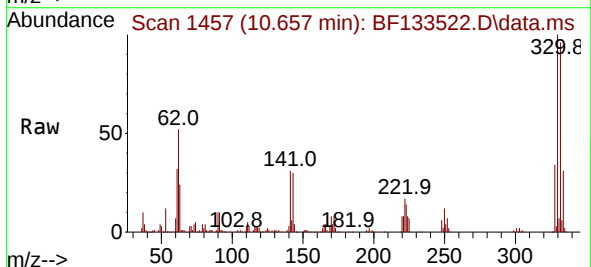
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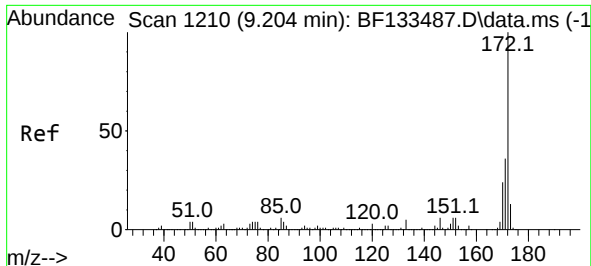
Tgt Ion:164 Resp: 271147
Ion Ratio Lower Upper
164 100
162 101.2 79.7 119.5
160 45.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 87.341 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Tgt Ion:330 Resp: 236068
Ion Ratio Lower Upper
330 100
332 95.0 77.8 116.6
141 32.5 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 79.277 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133522.D

Acq: 30 May 2023 15:15

Instrument :

BNA_F

ClientSampleId :

TWP01RE

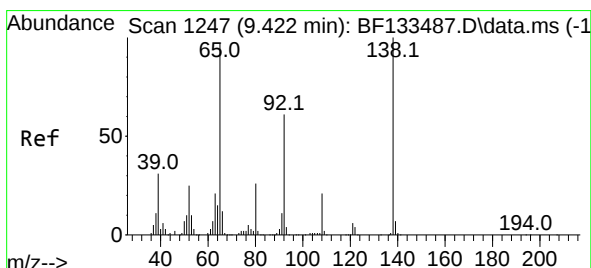
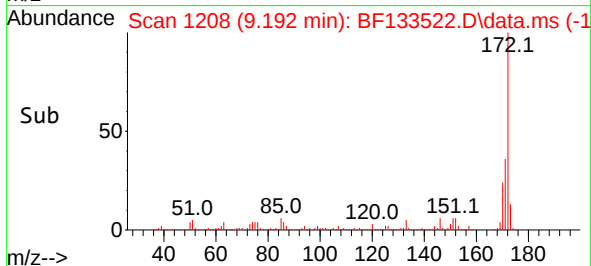
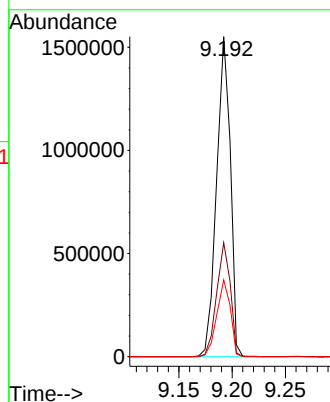
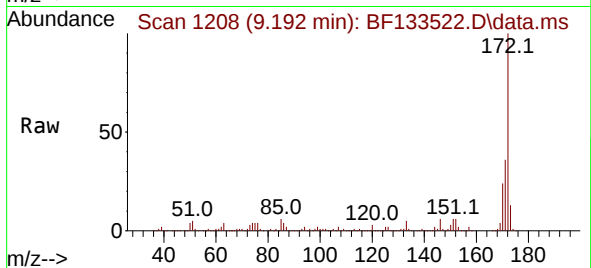
Tgt Ion:172 Resp: 1392720

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 24.0 19.3 28.9



#48

2-Nitroaniline

Concen: 4.490 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.224 min

Lab File: BF133522.D

Acq: 30 May 2023 15:15

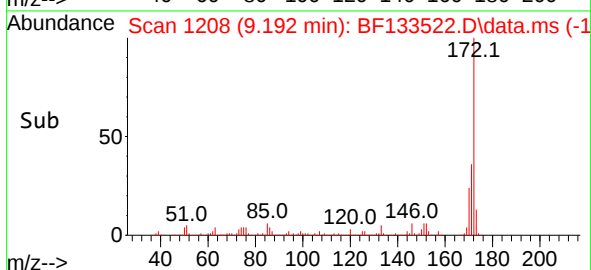
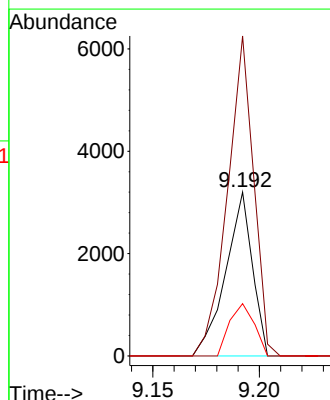
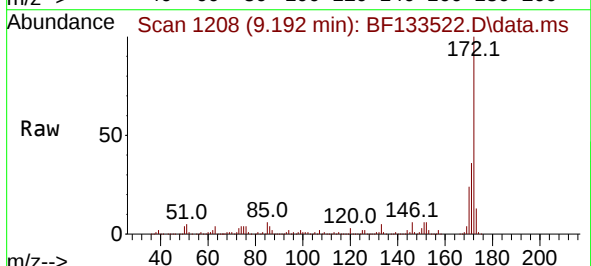
Tgt Ion: 65 Resp: 2789

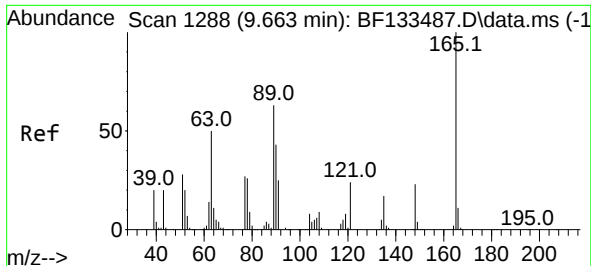
Ion Ratio Lower Upper

65 100

92 195.3 50.8 76.2#

138 31.9 82.6 124.0#

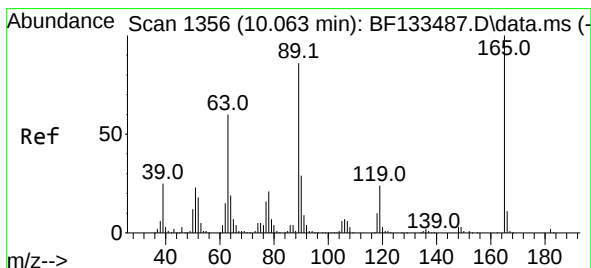
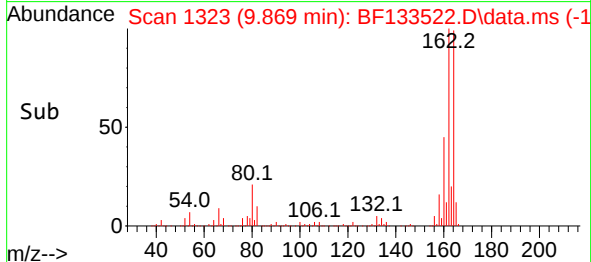
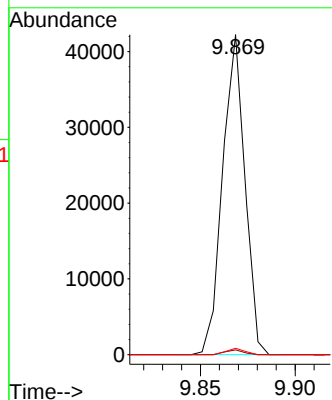
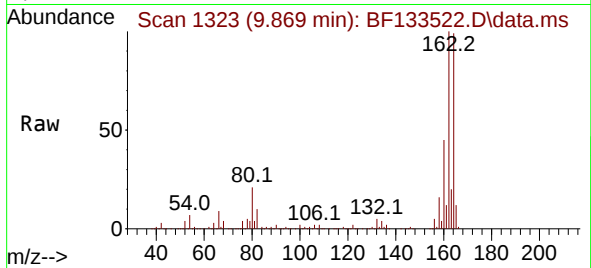




#51
2,6-Dinitrotoluene
Concen: 12.501 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

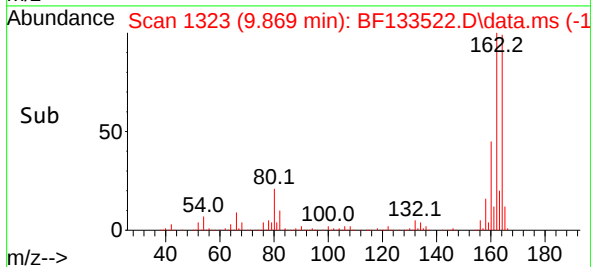
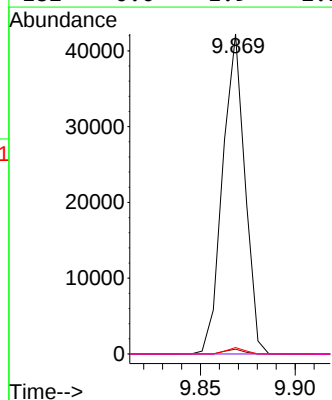
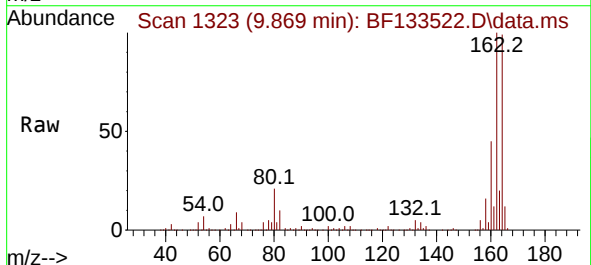
Instrument :
BNA_F
ClientSampleId :
TWP01RE

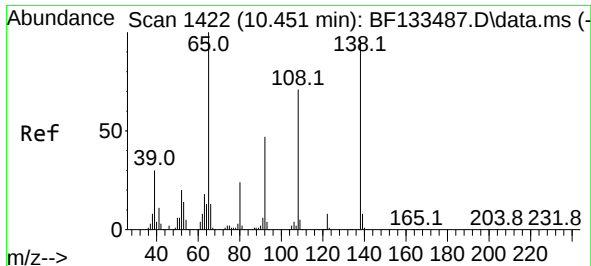
Tgt Ion:165 Resp: 34610
Ion Ratio Lower Upper
165 100
63 1.5 57.0 85.4#
89 2.0 50.8 76.2#



#57
2,4-Dinitrotoluene
Concen: 11.681 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Tgt Ion:165 Resp: 34610
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 2.0 68.4 102.6#
182 0.0 1.9 2.9#

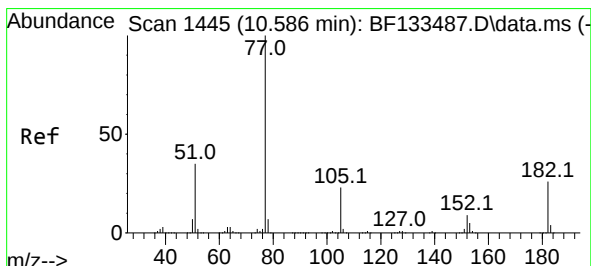
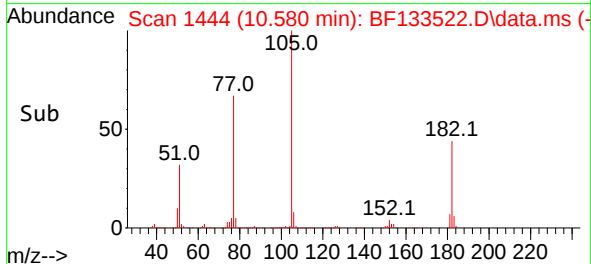
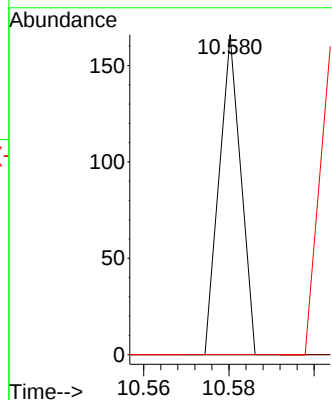
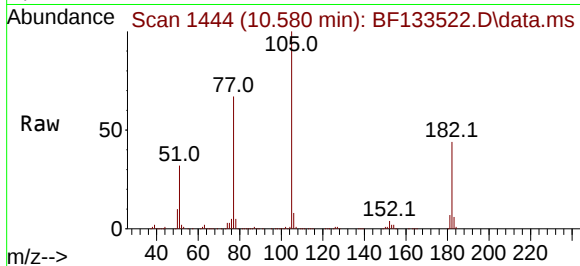




#62
4-Nitroaniline
Concen: 2.997 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.141 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

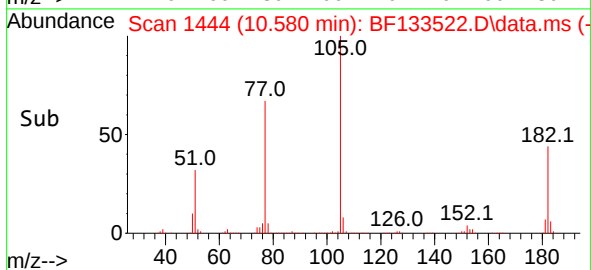
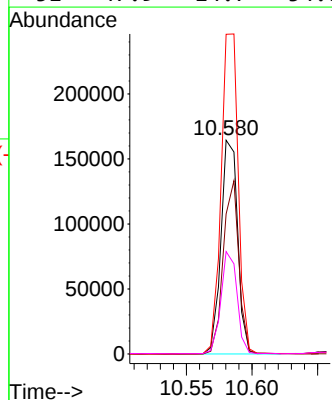
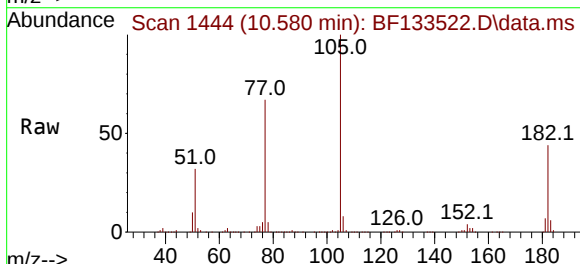
Instrument :
BNA_F
ClientSampleId :
TWP01RE

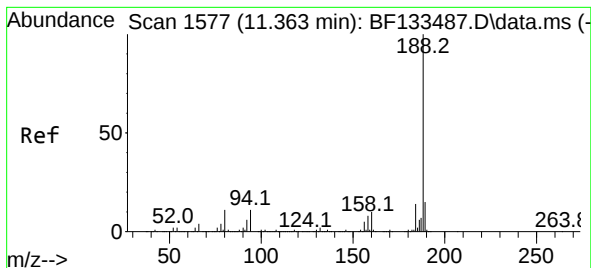
Tgt Ion:138 Resp: 59
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#63
Azobenzene
Concen: 7.357 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Tgt Ion: 77 Resp: 145692
Ion Ratio Lower Upper
77 100
182 65.5 5.6 45.6#
105 149.5 2.6 42.6#
51 47.9 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133522.D

Acq: 30 May 2023 15:15

Instrument :

BNA_F

ClientSampleId :

TWP01RE

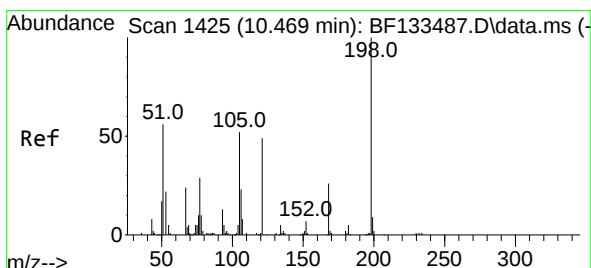
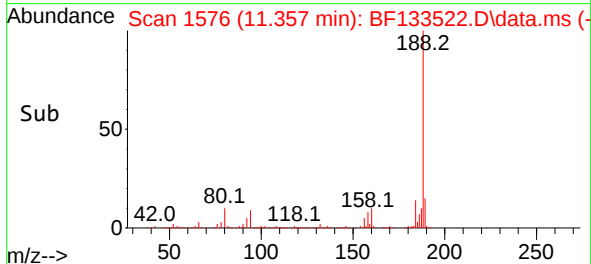
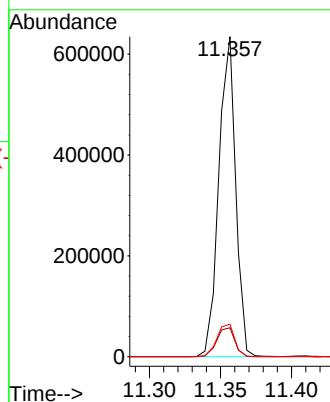
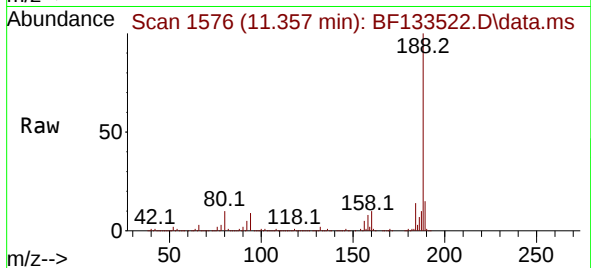
Tgt Ion:188 Resp: 522555

Ion Ratio Lower Upper

188 100

94 9.1 8.6 12.8

80 10.1 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.897 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133522.D

Acq: 30 May 2023 15:15

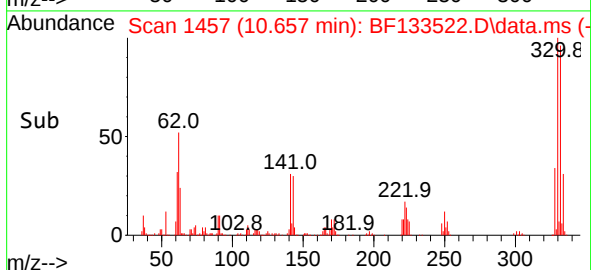
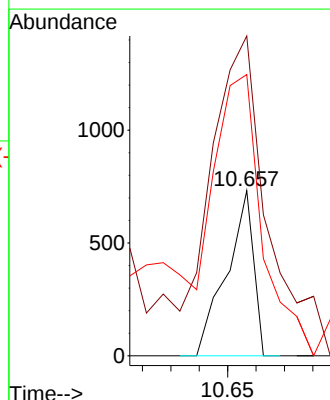
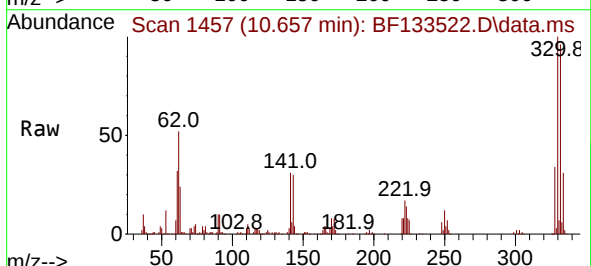
Tgt Ion:198 Resp: 483

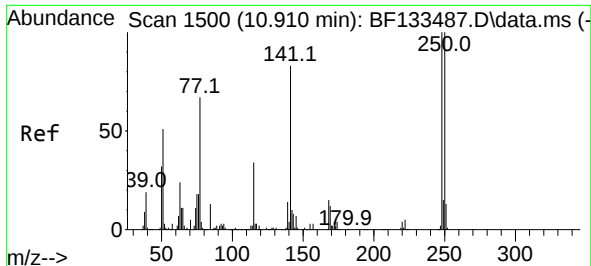
Ion Ratio Lower Upper

198 100

51 193.7 53.6 93.6#

105 170.4 35.9 75.9#

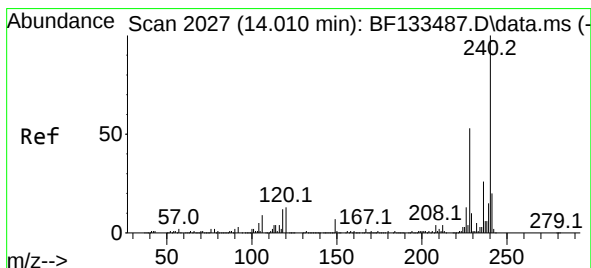
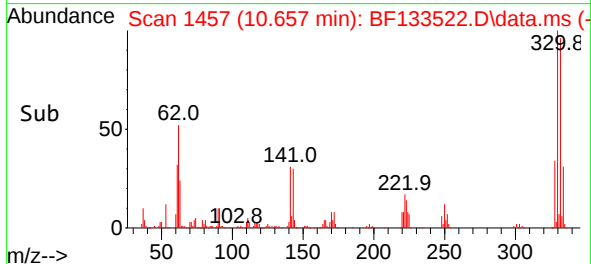
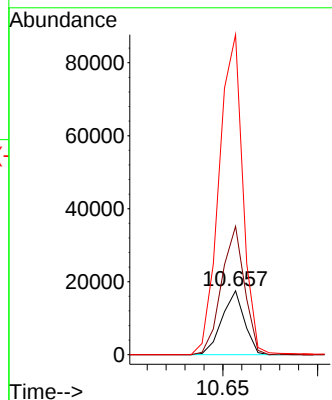
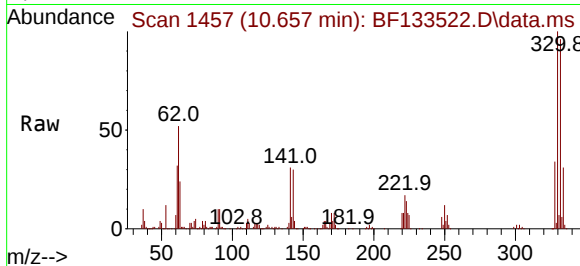




#67
4-Bromophenyl-phenylether
Concen: 2.604 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

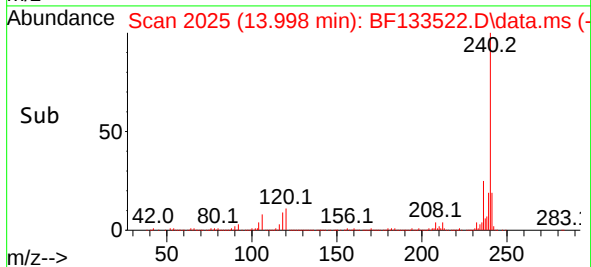
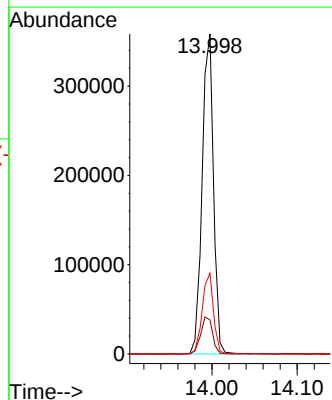
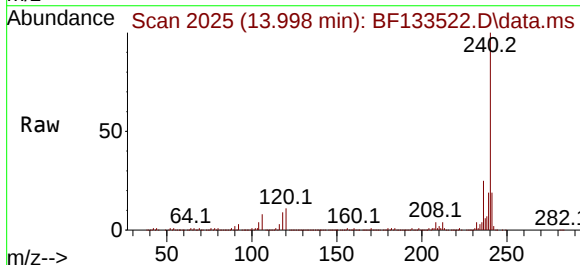
Instrument :
BNA_F
ClientSampleId :
TWP01RE

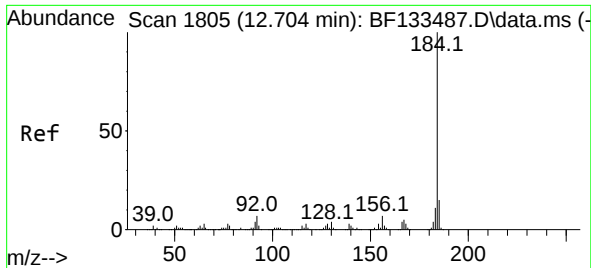
Tgt Ion:248 Resp: 14451
Ion Ratio Lower Upper
248 100
250 201.1 79.7 119.5#
141 501.4 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Tgt Ion:240 Resp: 331432
Ion Ratio Lower Upper
240 100
120 10.7 10.3 15.5
236 25.3 20.5 30.7

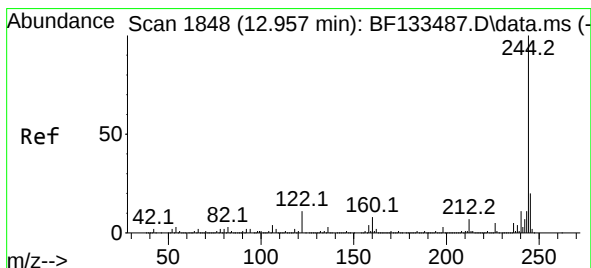
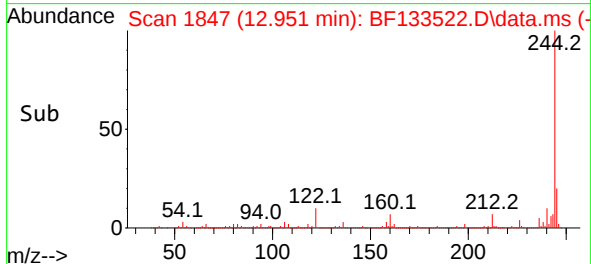
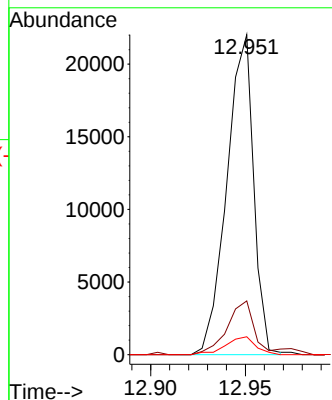
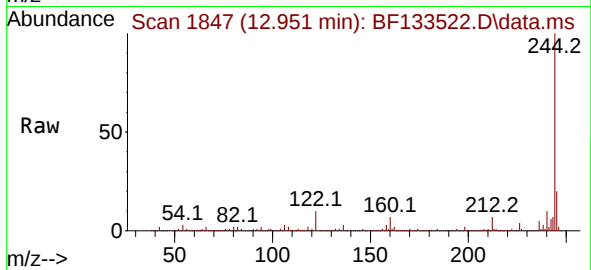




#77
Benzidine
Concen: 2.231 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

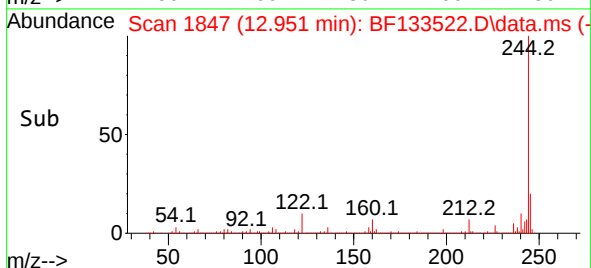
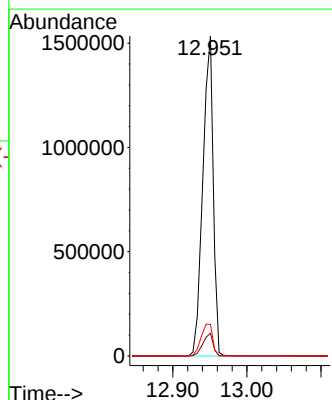
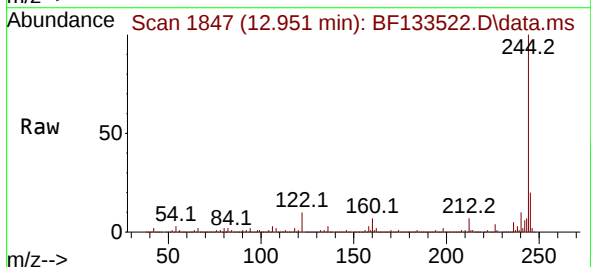
Instrument :
BNA_F
ClientSampleId :
TWP01RE

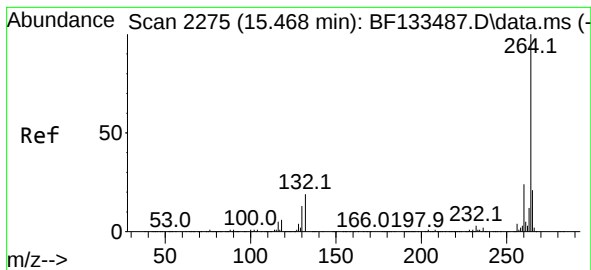
Tgt Ion:184 Resp: 21630
Ion Ratio Lower Upper
184 100
185 16.8 12.2 18.2
183 5.6 8.7 13.1#



#79
Terphenyl-d14
Concen: 80.162 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Tgt Ion:244 Resp: 1494291
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 9.9 8.5 12.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133522.D
Acq: 30 May 2023 15:15

Instrument :
BNA_F
ClientSampleId :
TWP01RE

Tgt Ion:264 Resp: 269767
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 21.2 16.8 25.2

