

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133519.D
 Acq On : 30 May 2023 13:41
 Operator : CG\JU
 Sample : 02908-13RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP02RE

Quant Time: May 30 14:10:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

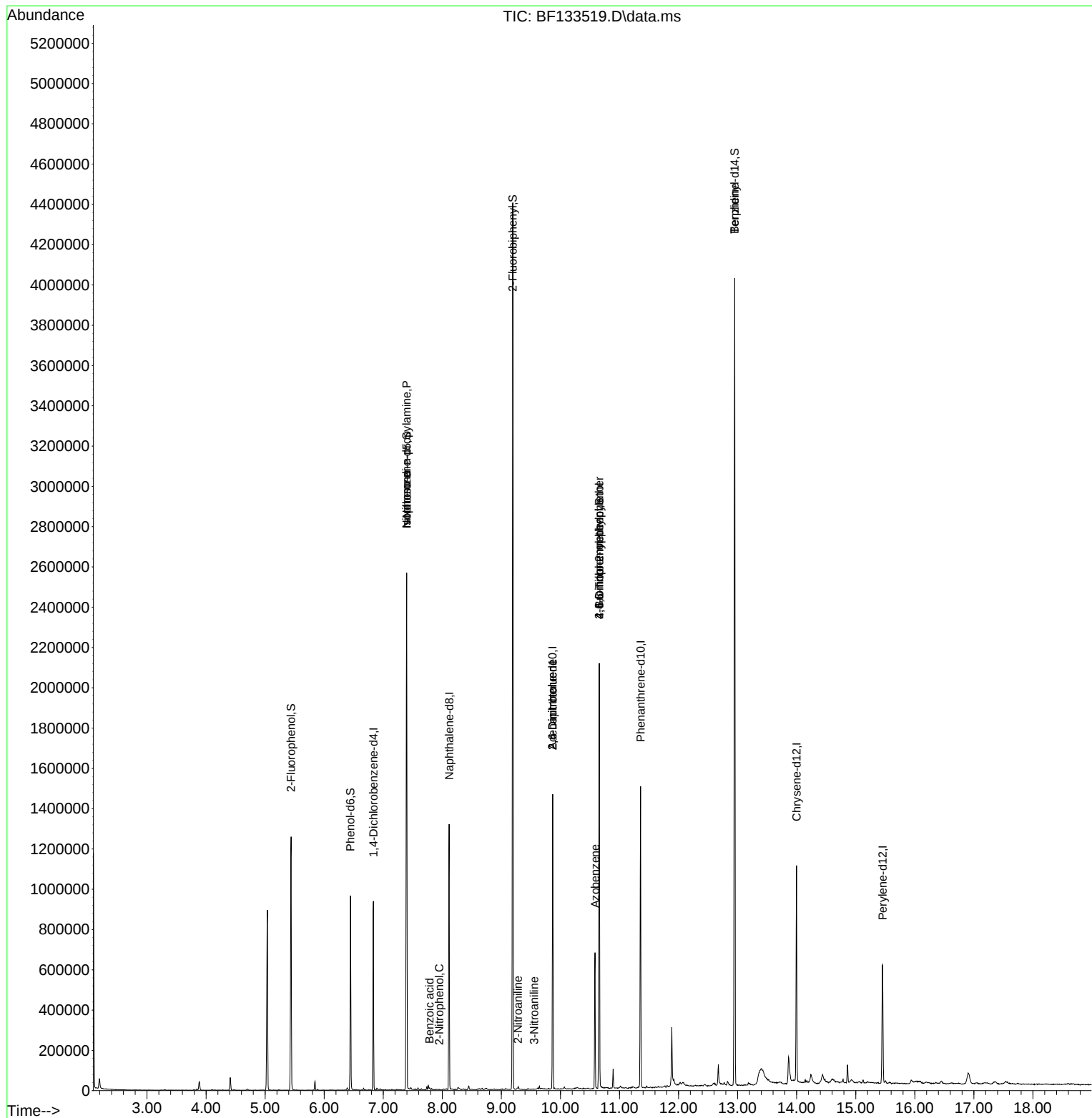
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	133219	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	517105	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	251781	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	500464	20.000	ng	0.00
76) Chrysene-d12	13.998	240	326725	20.000	ng	0.00
86) Perylene-d12	15.456	264	271930	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	329170	41.226	ng	0.00
7) Phenol-d6	6.445	99	245905	25.018	ng	-0.02
23) Nitrobenzene-d5	7.398	82	747758	96.550	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	227349	90.585	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1328223	81.421	ng	0.00
79) Terphenyl-d14	12.951	244	1463777	79.656	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.381	77	488	Below Cal		88
19) n-Nitroso-di-n-propyla...	7.398	70	100778	15.847	ng	# 79
25) Isophorone	7.398	82	746318	41.348	ng	# 65
26) 2-Nitrophenol	7.951	139	159	4.780	ng	# 33
32) Benzoic acid	7.786	122	832	7.488	ng	# 93
48) 2-Nitroaniline	9.280	65	134	4.016	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	32786	12.679	ng	# 18
53) 3-Nitroaniline	9.557	138	55	3.192	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	32786	11.821	ng	# 15
63) Azobenzene	10.586	77	112471	6.116	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	471	8.900	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	14437	2.716	ng	# 1
77) Benzidine	12.951	184	20377	2.132	ng	# 91

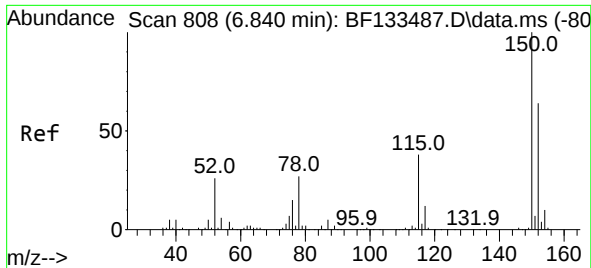
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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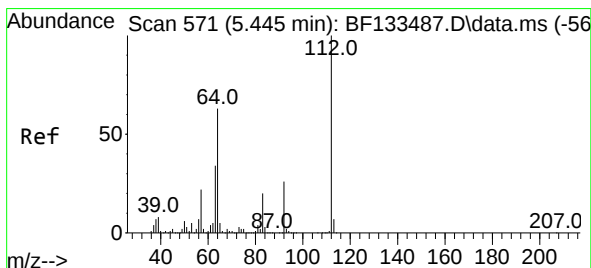
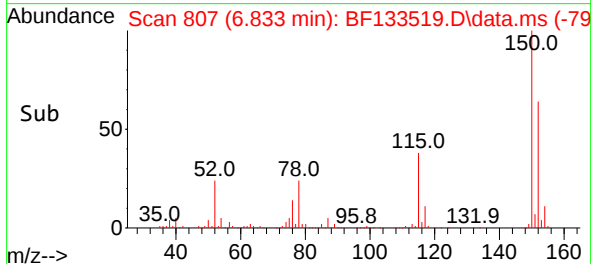
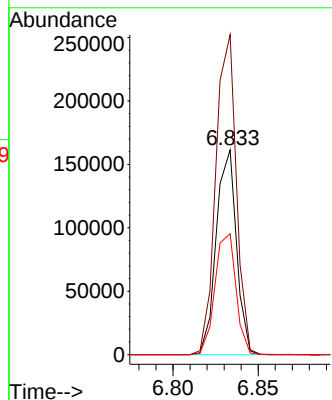
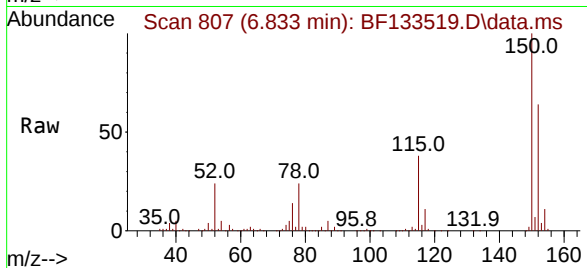




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 80
Delta R.T. -0.001 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

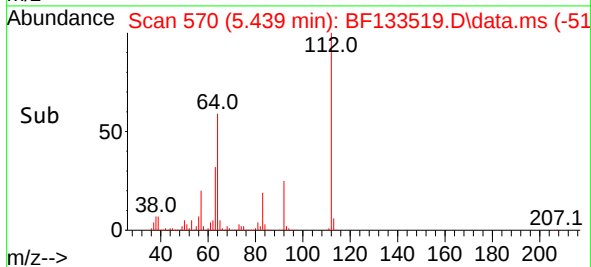
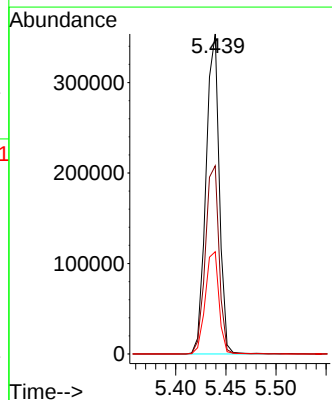
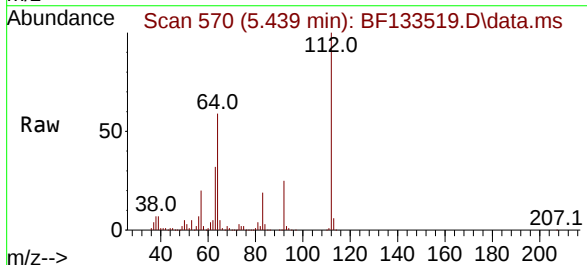
Instrument :
BNA_F
ClientSampleId :
TWP02RE

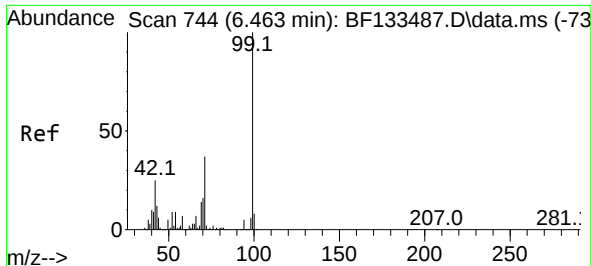
Tgt Ion:152 Resp: 133219
Ion Ratio Lower Upper
152 100
150 156.2 124.9 187.3
115 59.0 48.1 72.1



#5
2-Fluorophenol
Concen: 41.226 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

Tgt Ion:112 Resp: 329170
Ion Ratio Lower Upper
112 100
64 58.8 50.1 75.1
63 32.0 27.5 41.3

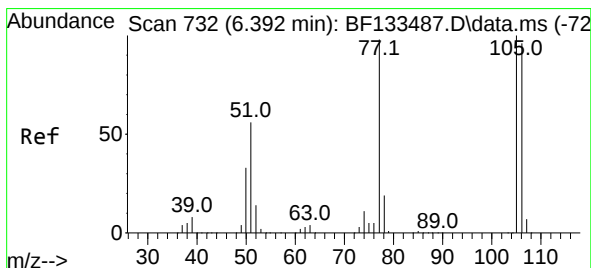
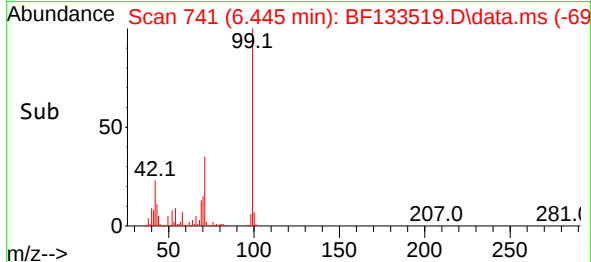
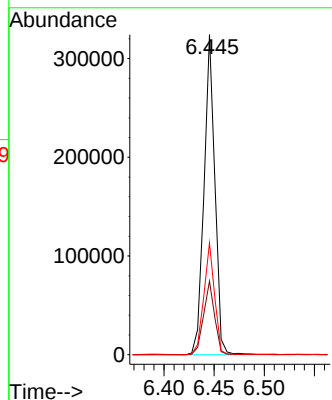
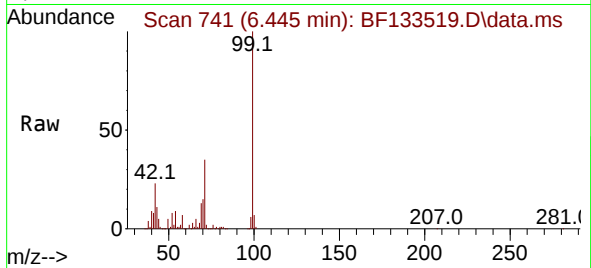




#7
Phenol-d6
Concen: 25.018 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

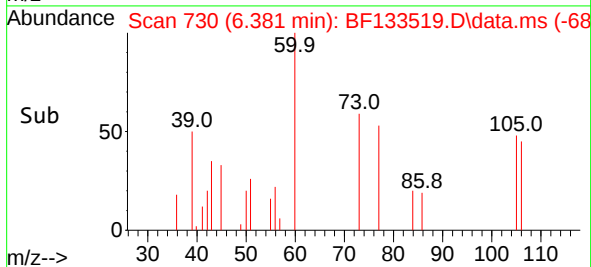
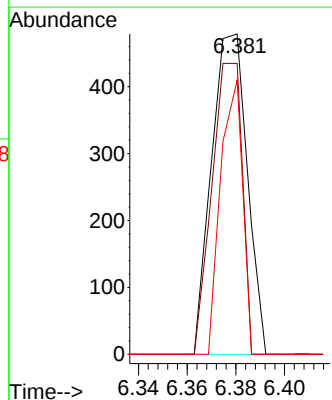
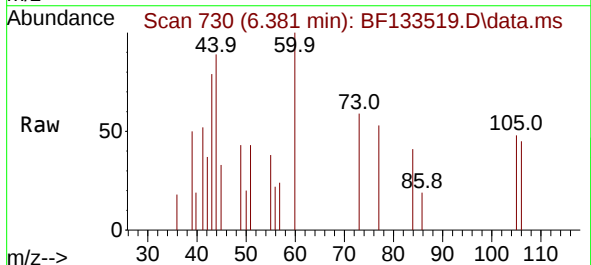
Instrument :
BNA_F
ClientSampleId :
TWP02RE

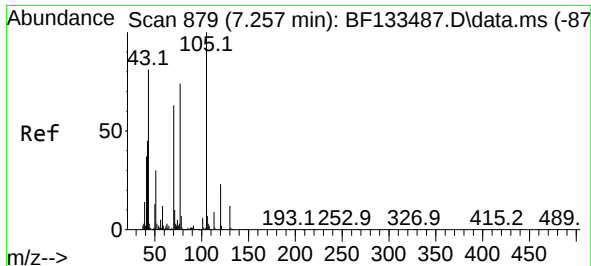
Tgt Ion: 99 Resp: 245905
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 34.9 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

Tgt Ion: 77 Resp: 488
Ion Ratio Lower Upper
77 100
105 90.8 81.9 121.9
106 85.6 77.8 117.8

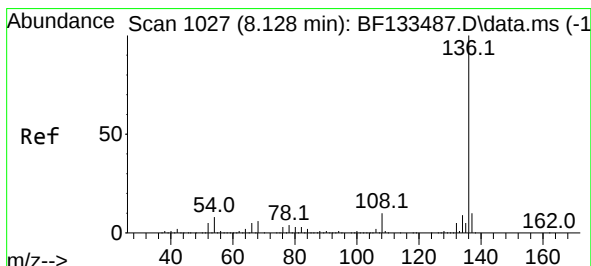
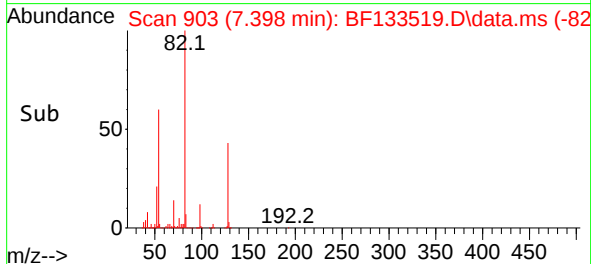
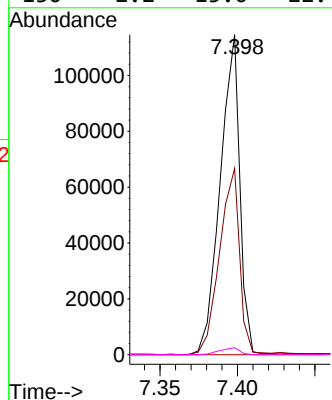
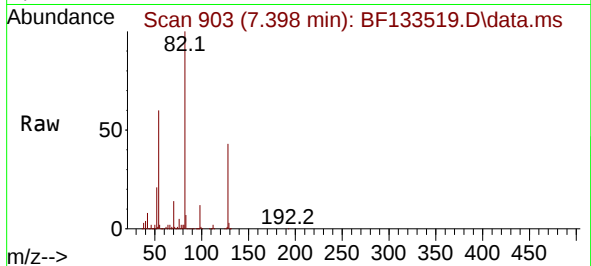




#19
n-Nitroso-di-n-propylamine
Concen: 15.847 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

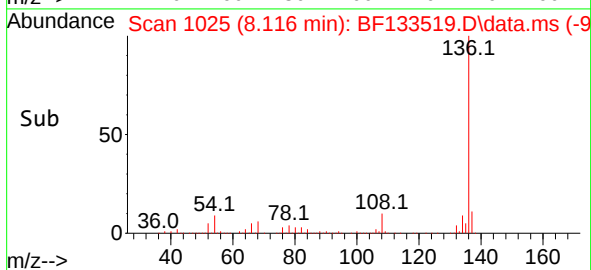
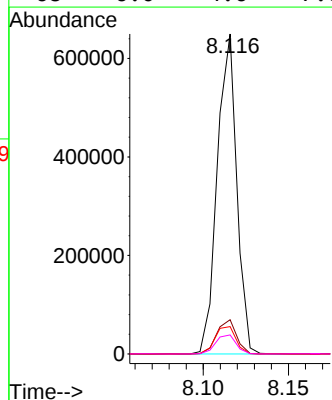
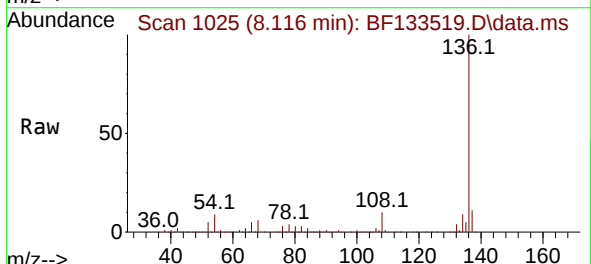
Instrument :
BNA_F
ClientSampleId :
TWP02RE

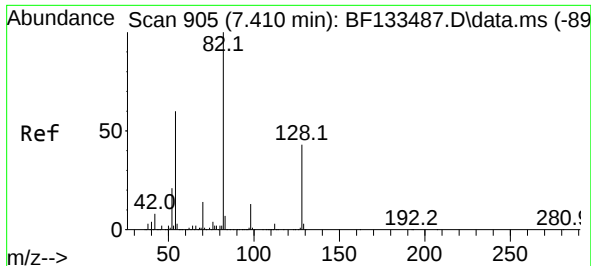
Tgt Ion: 70 Resp: 100778
Ion Ratio Lower Upper
70 100
42 58.2 57.2 85.8
101 0.0 7.3 10.9#
130 2.2 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

Tgt Ion:136 Resp: 517105
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 8.6 6.6 10.0
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 96.550 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133519.D

Acq: 30 May 2023 13:41

Instrument :

BNA_F

ClientSampleId :

TWP02RE

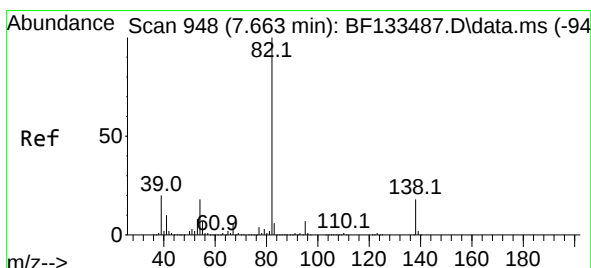
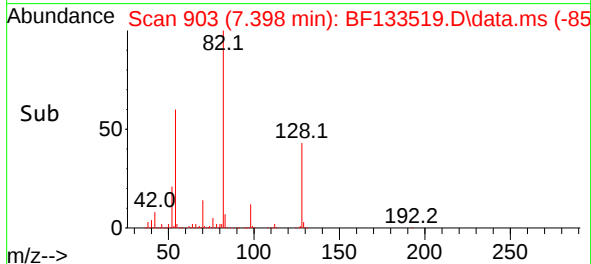
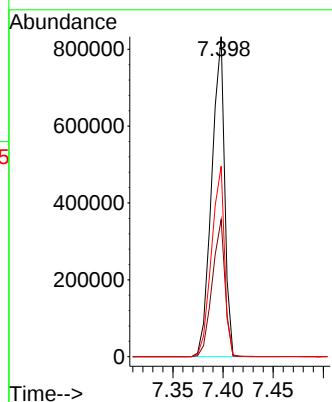
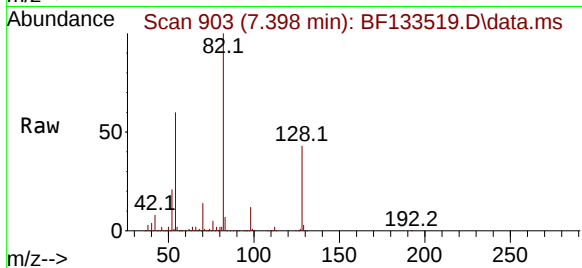
Tgt Ion: 82 Resp: 747758

Ion Ratio Lower Upper

82 100

128 42.8 34.2 51.4

54 59.5 48.2 72.4



#25

Isophorone

Concen: 41.348 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133519.D

Acq: 30 May 2023 13:41

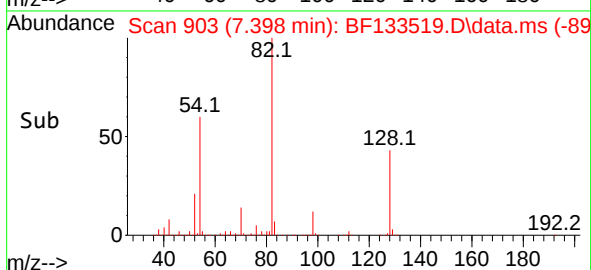
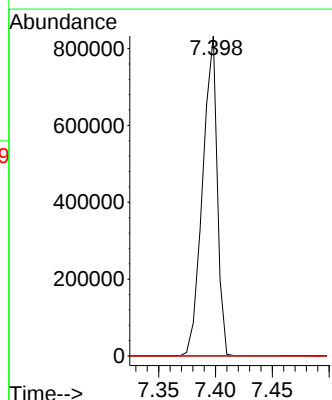
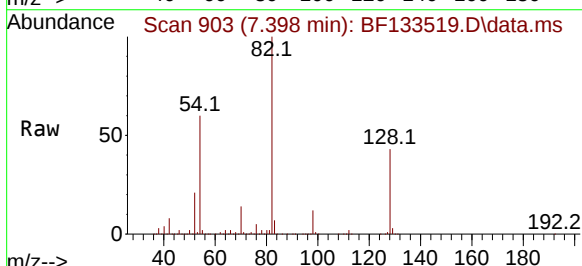
Tgt Ion: 82 Resp: 746318

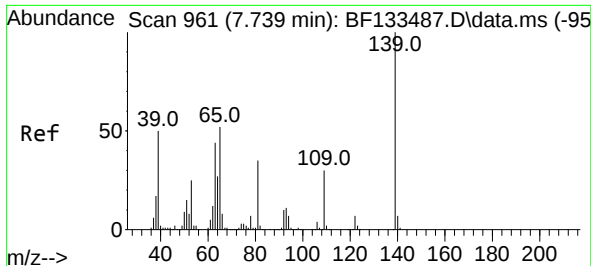
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

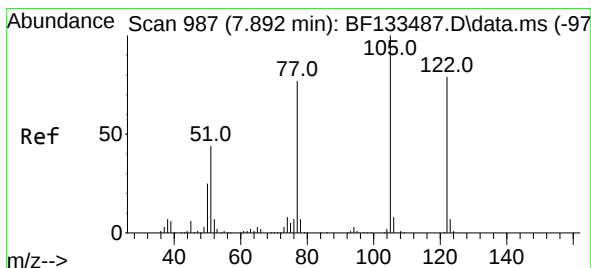
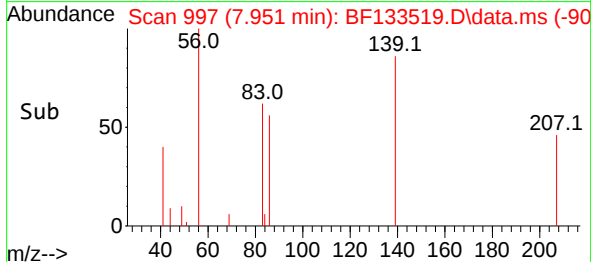
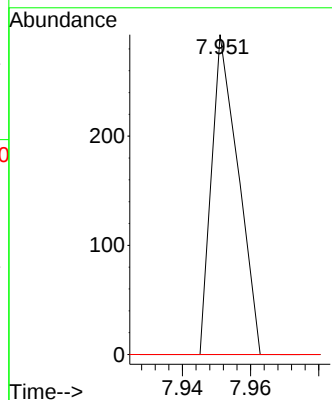
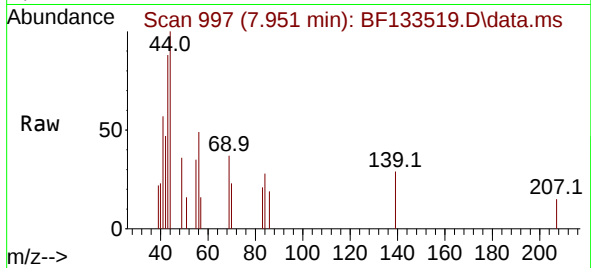




#26
2-Nitrophenol
Concen: 4.780 ng
RT: 7.951 min Scan# 91
Delta R.T. 0.217 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

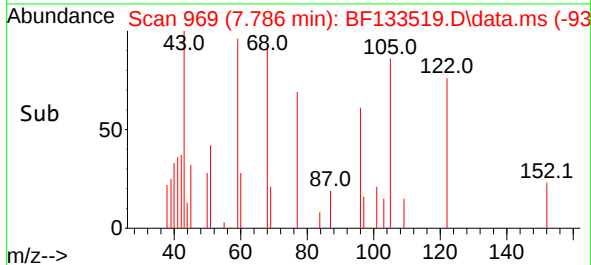
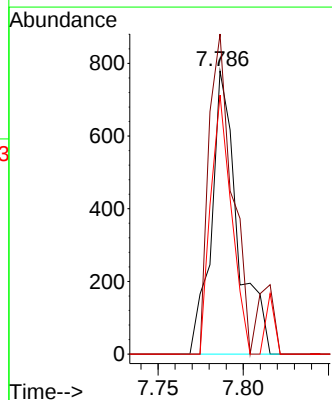
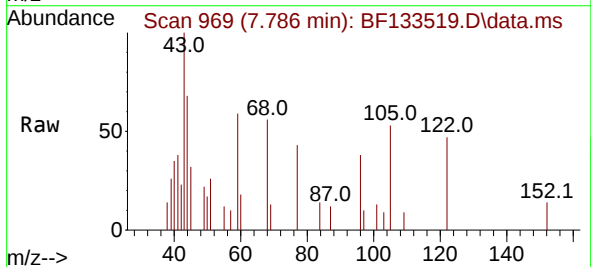
Instrument :
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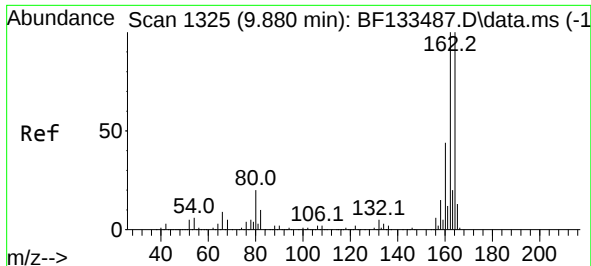
Tgt Ion:139 Resp: 159
Ion Ratio Lower Upper
139 100
109 0.0 24.0 36.0#
65 0.0 41.7 62.5#



#32
Benzoic acid
Concen: 7.488 ng
RT: 7.786 min Scan# 969
Delta R.T. -0.094 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

Tgt Ion:122 Resp: 832
Ion Ratio Lower Upper
122 100
105 113.1 103.3 143.3
77 91.5 75.7 115.7

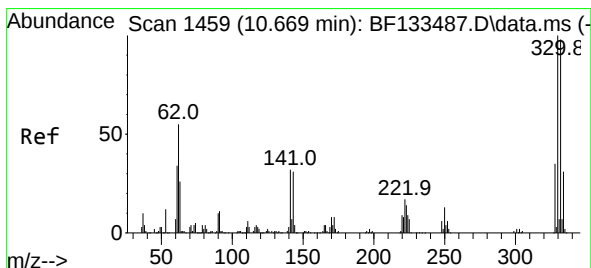
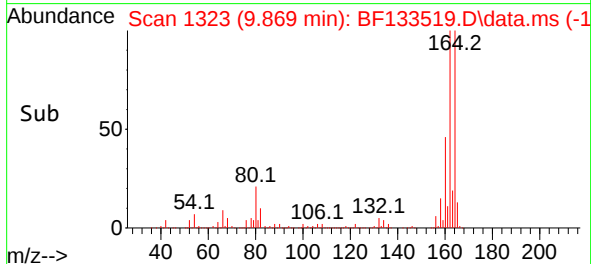
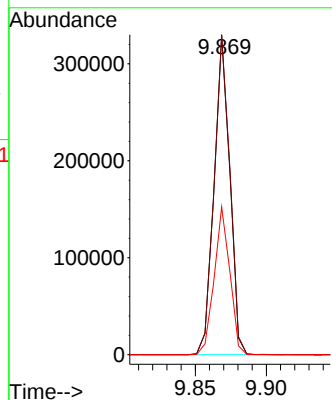
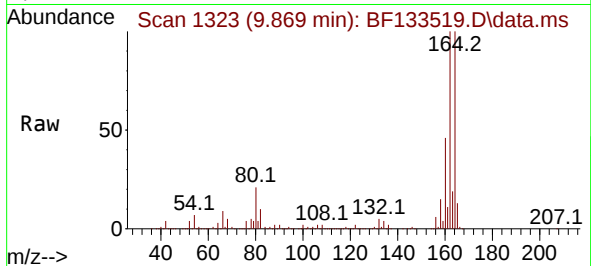




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

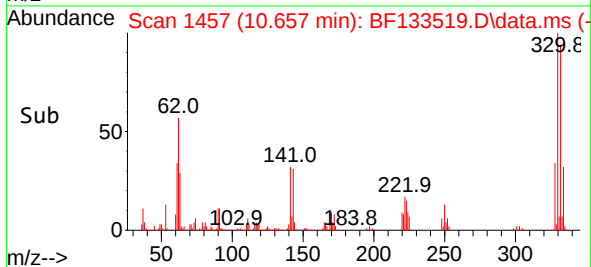
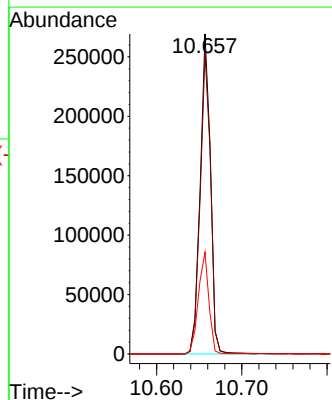
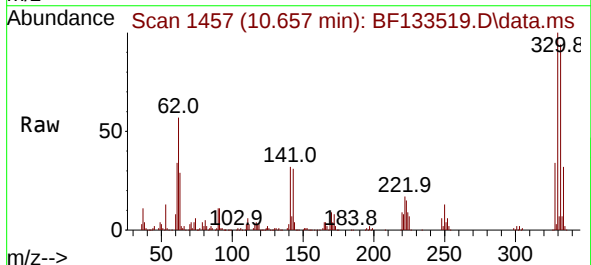
Instrument :
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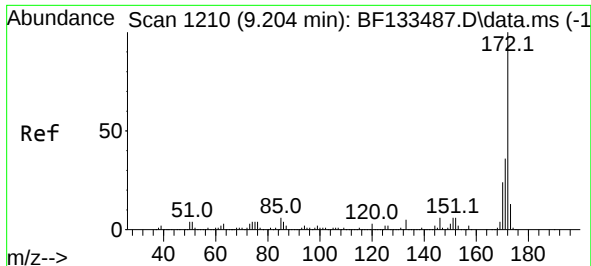
Tgt Ion:164 Resp: 251781
Ion Ratio Lower Upper
164 100
162 100.2 79.7 119.5
160 46.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 90.585 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

Tgt Ion:330 Resp: 227349
Ion Ratio Lower Upper
330 100
332 94.9 77.8 116.6
141 32.5 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 81.421 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133519.D

Acq: 30 May 2023 13:41

Instrument :

BNA_F

ClientSampleId :

TWP02RE

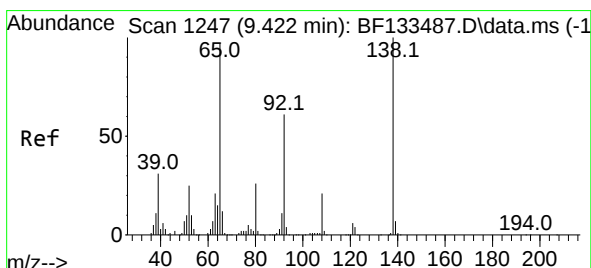
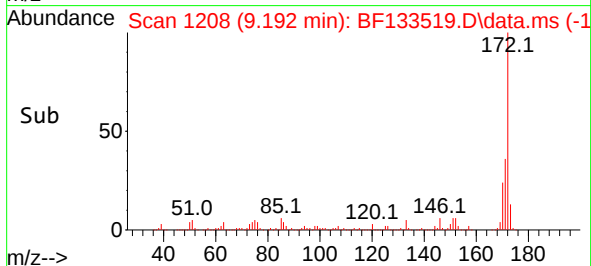
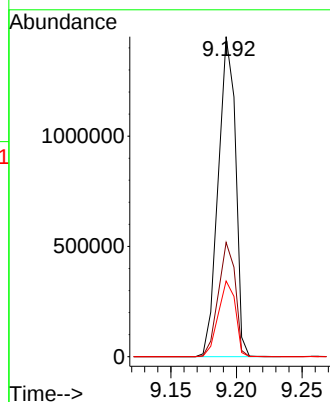
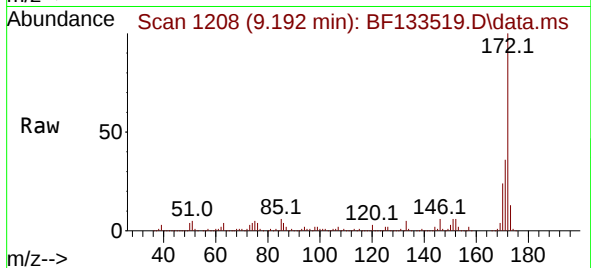
Tgt Ion:172 Resp: 1328223

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.6 19.3 28.9



#48

2-Nitroaniline

Concen: 4.016 ng

RT: 9.280 min Scan# 1223

Delta R.T. -0.136 min

Lab File: BF133519.D

Acq: 30 May 2023 13:41

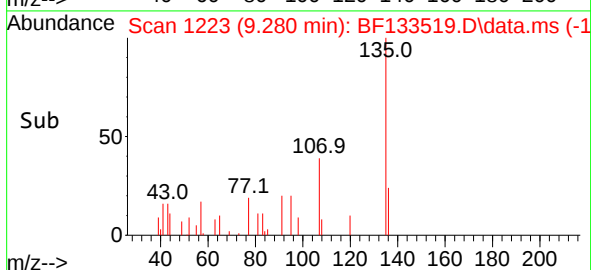
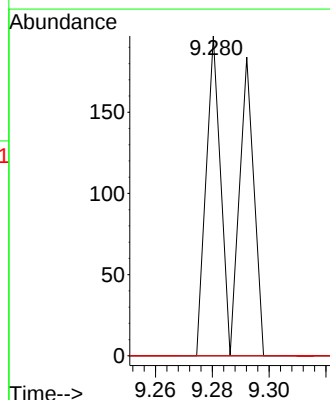
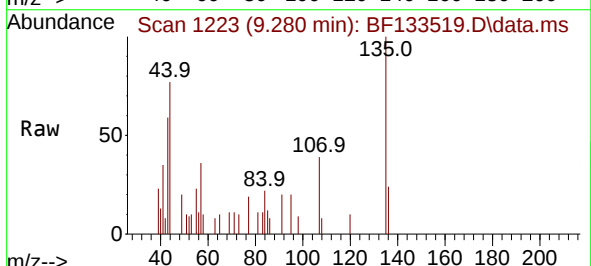
Tgt Ion: 65 Resp: 134

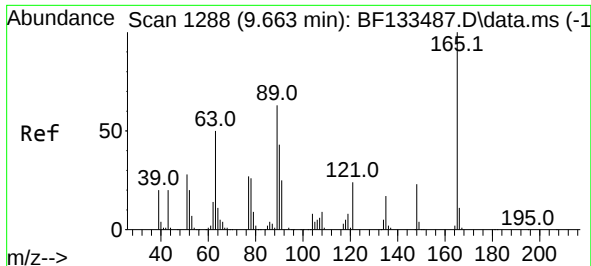
Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.679 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.211 min

Lab File: BF133519.D

Acq: 30 May 2023 13:41

Instrument :

BNA_F

ClientSampleId :

TWP02RE

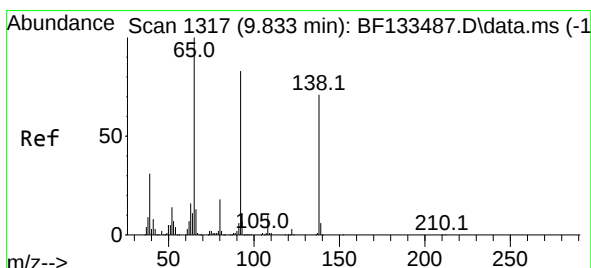
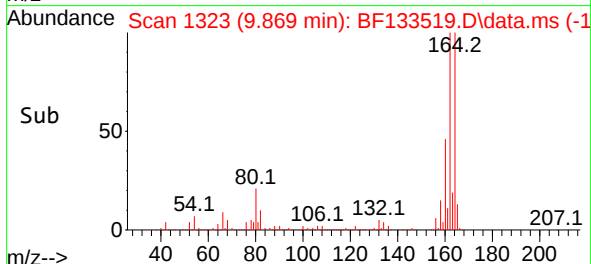
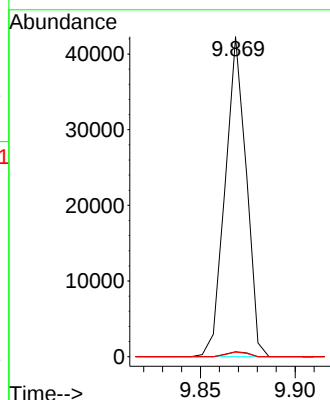
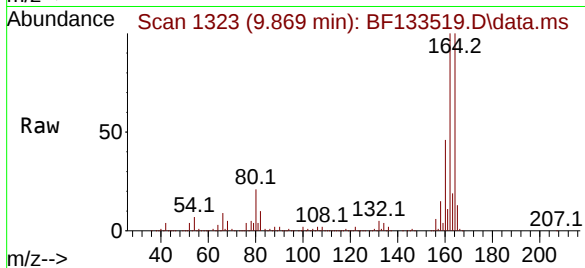
Tgt Ion:165 Resp: 32786

Ion Ratio Lower Upper

165 100

63 1.5 57.0 85.4#

89 1.5 50.8 76.2#



#53

3-Nitroaniline

Concen: 3.192 ng

RT: 9.557 min Scan# 1270

Delta R.T. -0.271 min

Lab File: BF133519.D

Acq: 30 May 2023 13:41

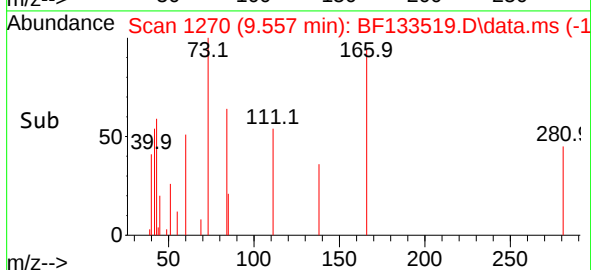
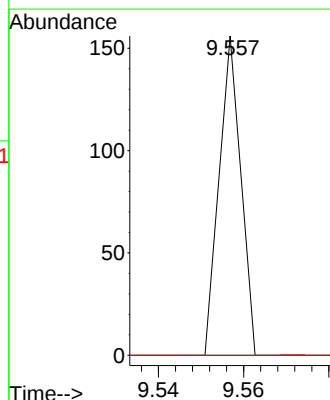
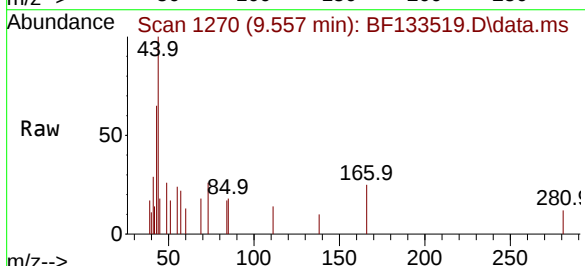
Tgt Ion:138 Resp: 55

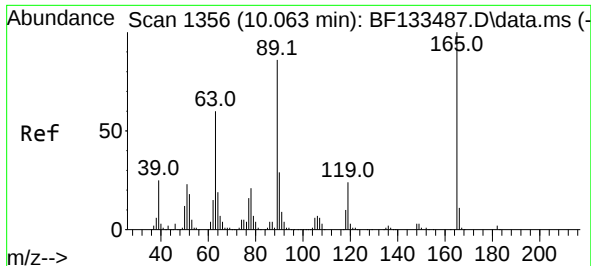
Ion Ratio Lower Upper

138 100

108 0.0 11.9 17.9#

92 0.0 93.1 139.7#

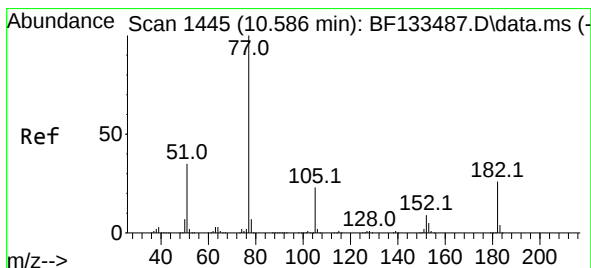
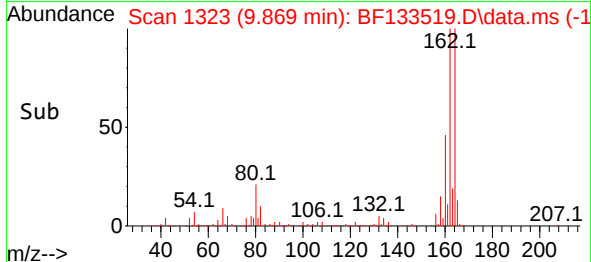
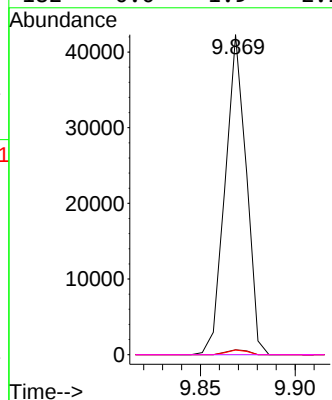
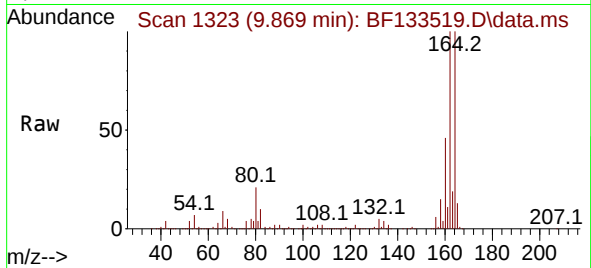




#57
2,4-Dinitrotoluene
Concen: 11.821 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

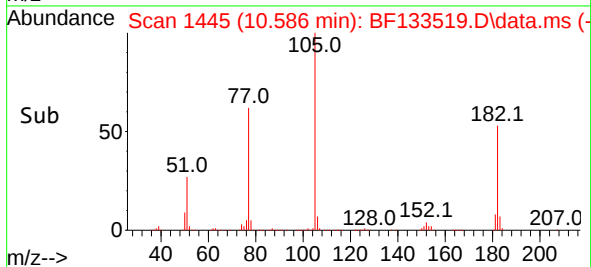
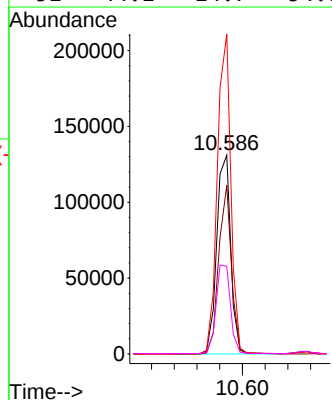
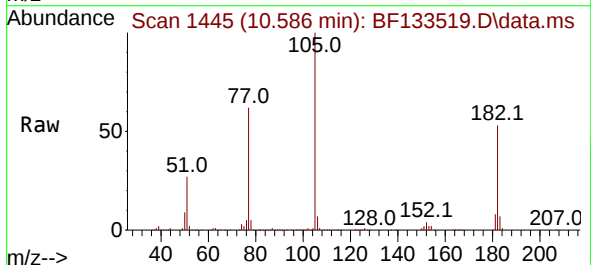
Instrument :
BNA_F
ClientSampleId :
TWP02RE

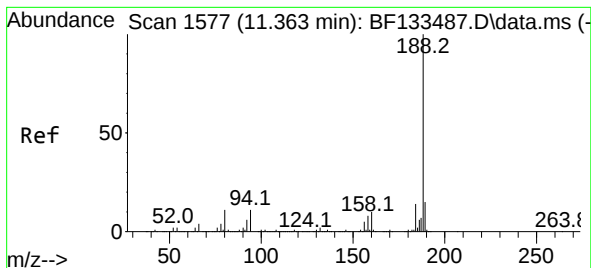
Tgt Ion:165 Resp: 32786
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 6.116 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.011 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

Tgt Ion: 77 Resp: 112471
Ion Ratio Lower Upper
77 100
182 84.8 5.6 45.6#
105 160.9 2.6 42.6#
51 44.1 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: BF133519.D

Acq: 30 May 2023 13:41

Instrument :

BNA_F

ClientSampleId :

TWP02RE

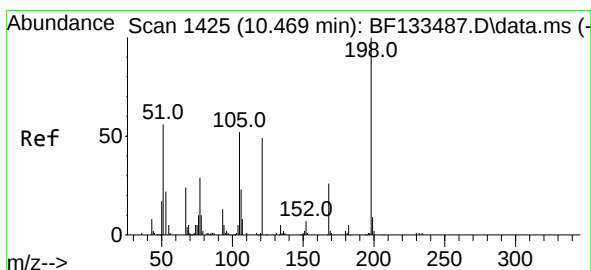
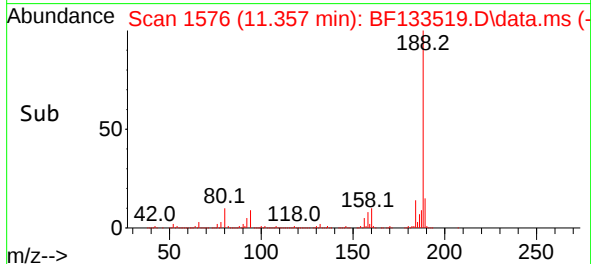
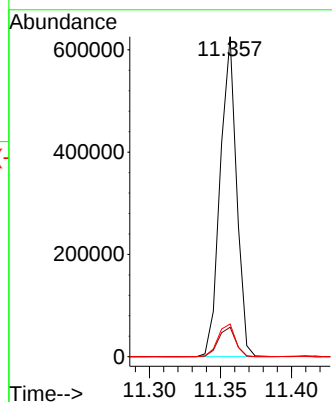
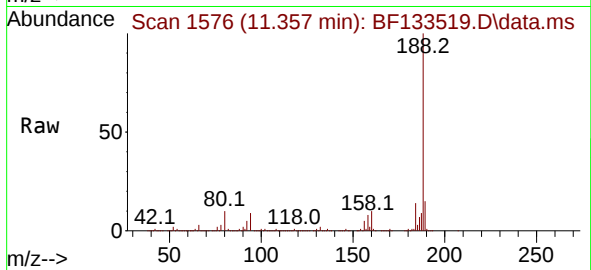
Tgt Ion:188 Resp: 500464

Ion Ratio Lower Upper

188 100

94 9.2 8.6 12.8

80 10.2 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.900 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133519.D

Acq: 30 May 2023 13:41

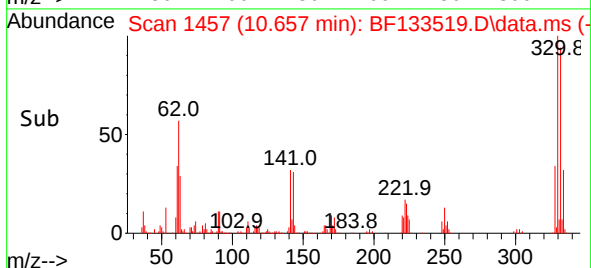
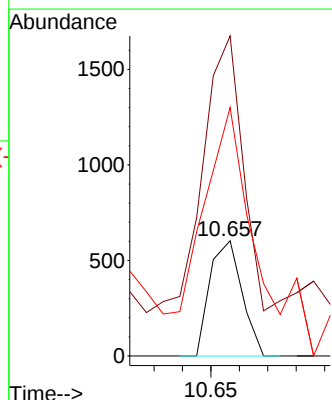
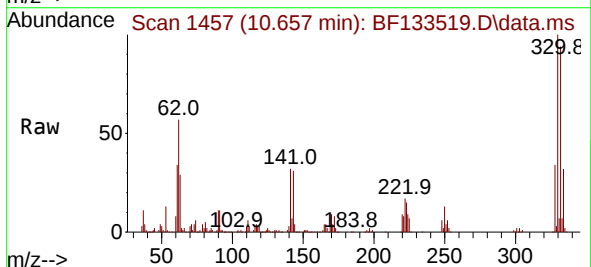
Tgt Ion:198 Resp: 471

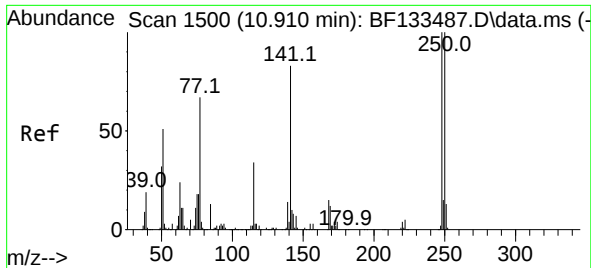
Ion Ratio Lower Upper

198 100

51 277.8 53.6 93.6#

105 215.8 35.9 75.9#

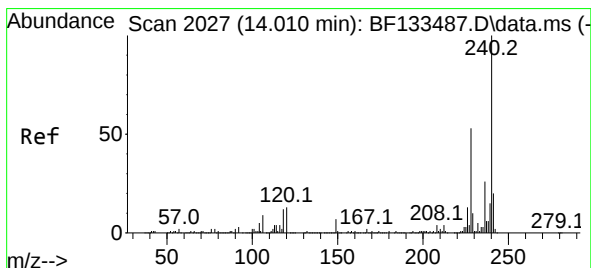
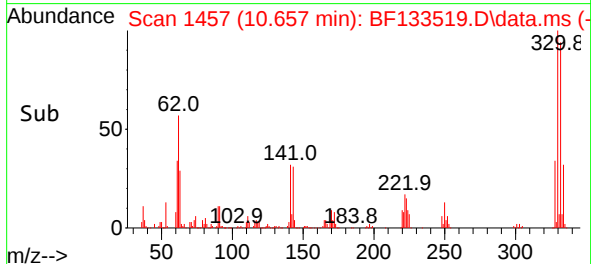
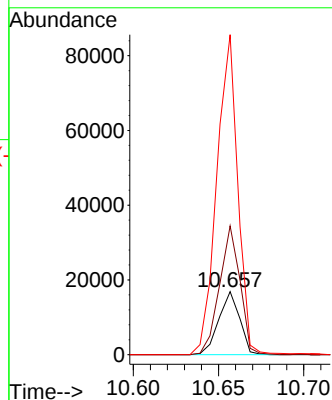
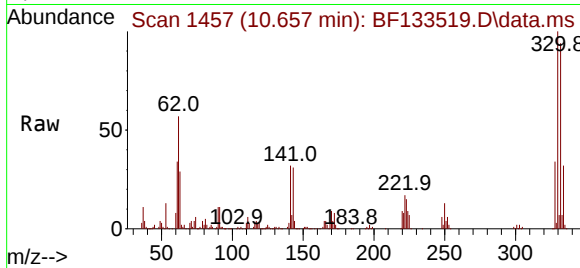




#67
4-Bromophenyl-phenylether
Concen: 2.716 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

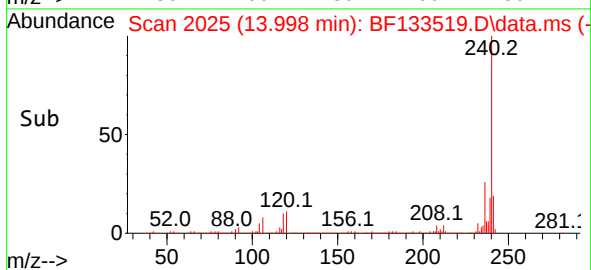
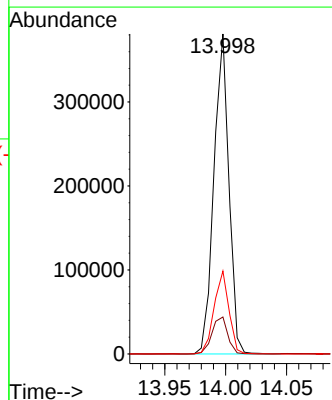
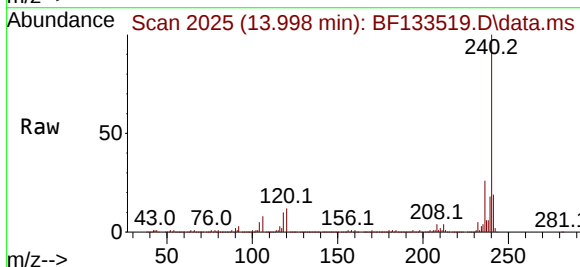
Instrument :
BNA_F
ClientSampleId :
TWP02RE

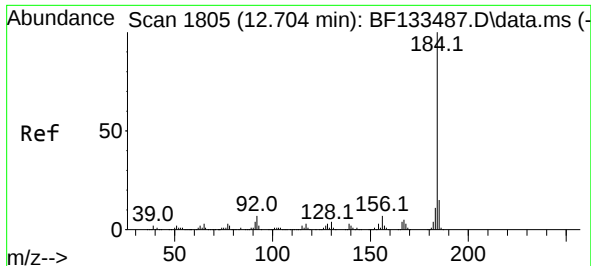
Tgt Ion:248 Resp: 14437
Ion Ratio Lower Upper
248 100
250 204.4 79.7 119.5#
141 507.5 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

Tgt Ion:240 Resp: 326725
Ion Ratio Lower Upper
240 100
120 11.5 10.3 15.5
236 25.9 20.5 30.7

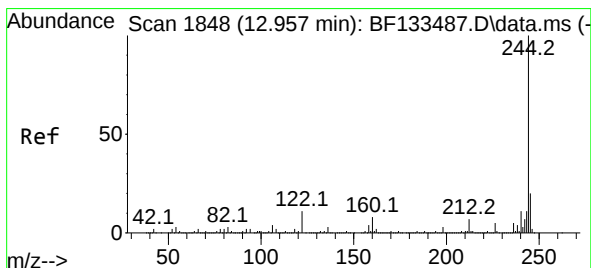
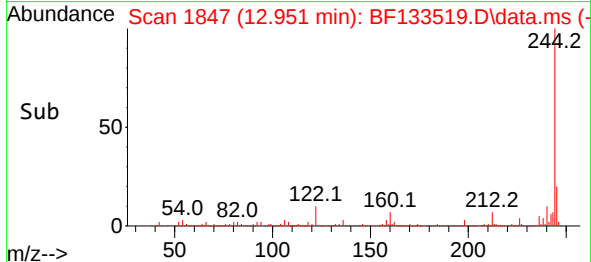
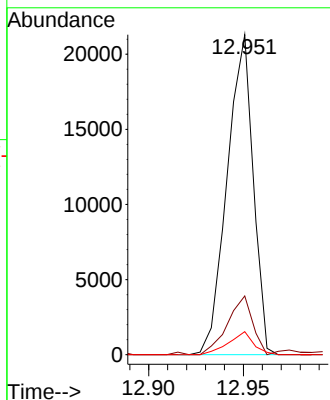
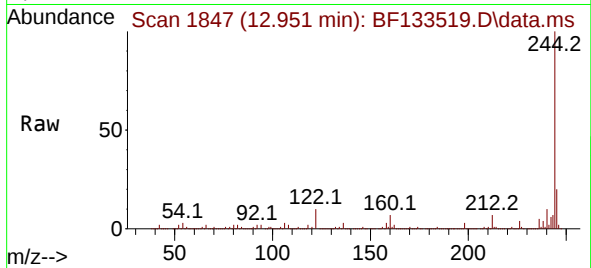




#77
Benzidine
Concen: 2.132 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

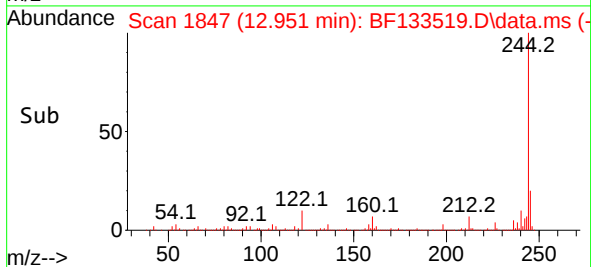
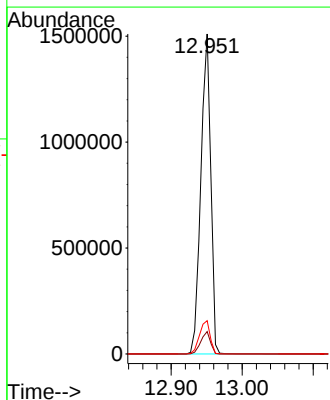
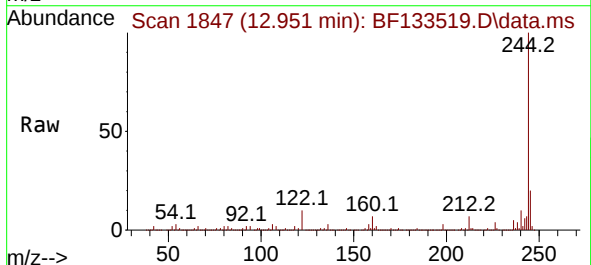
Instrument :
BNA_F
ClientSampleId :
TWP02RE

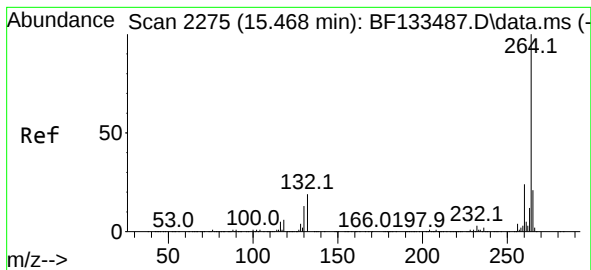
Tgt Ion:184 Resp: 20377
Ion Ratio Lower Upper
184 100
185 18.4 12.2 18.2#
183 7.2 8.7 13.1#



#79
Terphenyl-d14
Concen: 79.656 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF133519.D
Acq: 30 May 2023 13:41

Tgt Ion:244 Resp: 1463777
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 10.4 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133519.D

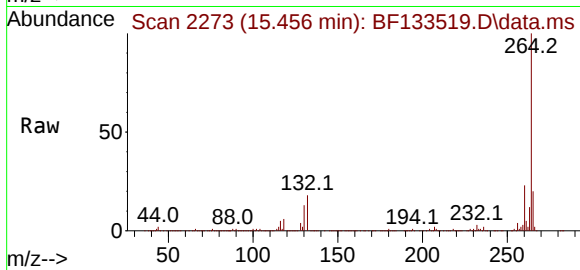
Acq: 30 May 2023 13:41

Instrument :

BNA_F

ClientSampleId :

TWP02RE



Tgt Ion:264 Resp: 271930

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.4

265 20.4 16.8 25.2

