

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133523.D
 Acq On : 30 May 2023 15:46
 Operator : CG\JU
 Sample : 02955-15RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP05RE

Quant Time: May 30 16:13:38 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)

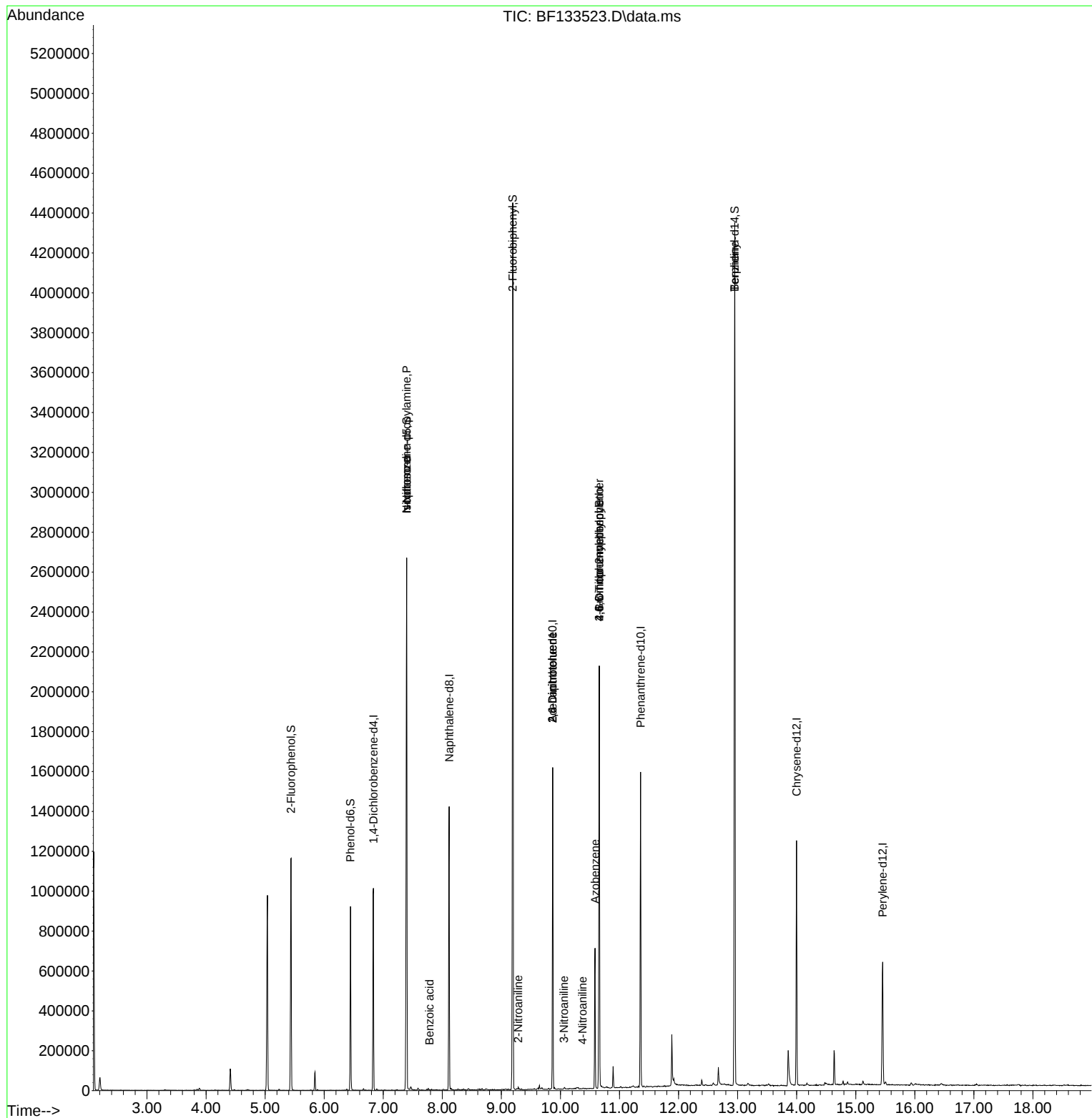
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	146430	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	562339	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	277514	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	534833	20.000	ng	0.00
76) Chrysene-d12	13.998	240	368745	20.000	ng	0.00
86) Perylene-d12	15.457	264	275901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	313347	35.704	ng	0.00
7) Phenol-d6	6.445	99	235726	21.819	ng	-0.02
23) Nitrobenzene-d5	7.398	82	789708	93.765	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	228331	82.540	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1400168	77.873	ng	0.00
79) Terphenyl-d14	12.951	244	1631223	78.653	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	364	Below Cal	#	77
19) n-Nitroso-di-n-propyla...	7.398	70	107729	15.411	ng	# 78
25) Isophorone	7.398	82	787934	40.142	ng	# 65
32) Benzoic acid	7.786	122	90	7.363	ng	# 27
48) 2-Nitroaniline	9.286	65	130	4.013	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	35059	12.411	ng	# 18
53) 3-Nitroaniline	10.063	138	58	3.191	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	35059	11.610	ng	# 15
62) 4-Nitroaniline	10.374	138	53	2.995	ng	# 19
63) Azobenzene	10.586	77	114752	5.662	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	493	8.896	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	14283	2.515	ng	# 1
77) Benzidine	12.951	184	23105	2.142	ng	# 95

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

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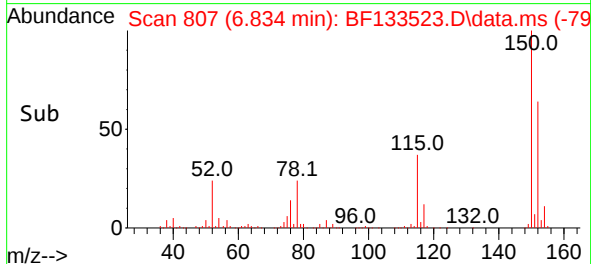
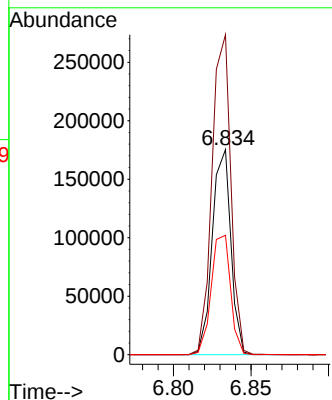
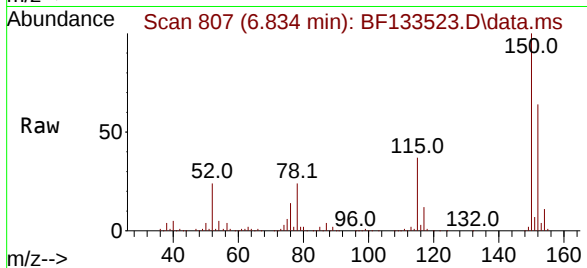




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.834 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF133523.D
 Acq: 30 May 2023 15:46

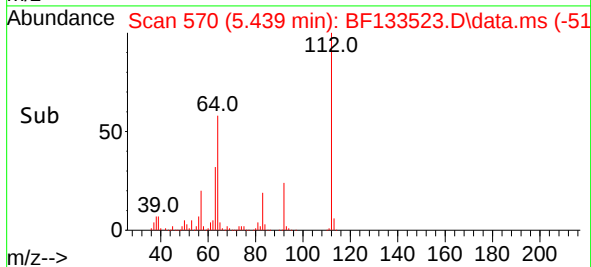
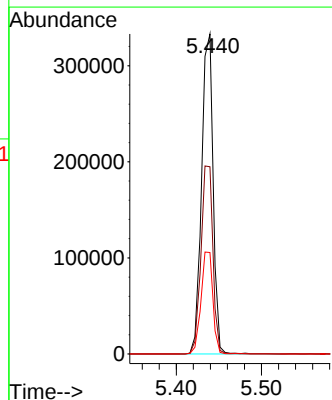
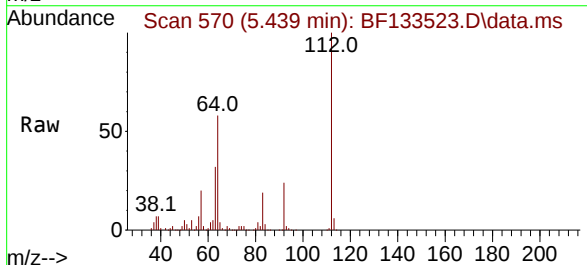
Instrument :
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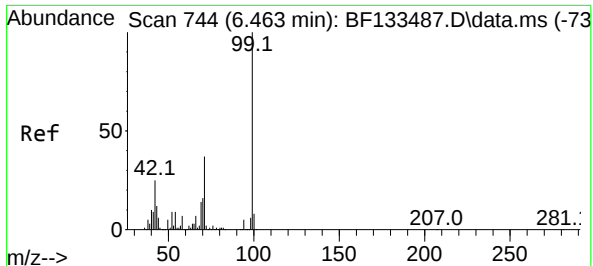
Tgt Ion:152 Resp: 146430
 Ion Ratio Lower Upper
 152 100
 150 156.0 124.9 187.3
 115 58.2 48.1 72.1



#5
 2-Fluorophenol
 Concen: 35.704 ng
 RT: 5.439 min Scan# 570
 Delta R.T. -0.000 min
 Lab File: BF133523.D
 Acq: 30 May 2023 15:46

Tgt Ion:112 Resp: 313347
 Ion Ratio Lower Upper
 112 100
 64 58.5 50.1 75.1
 63 31.7 27.5 41.3

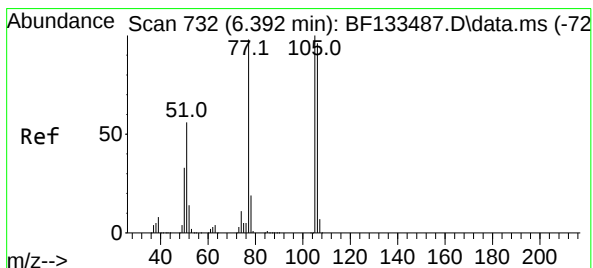
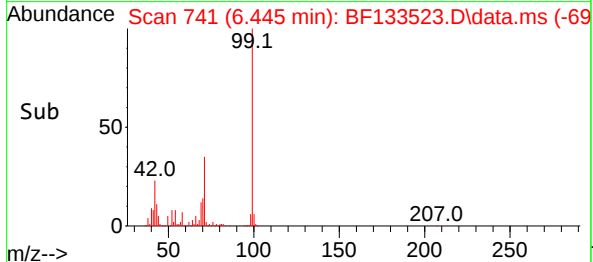
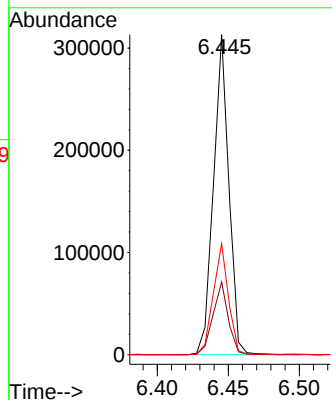
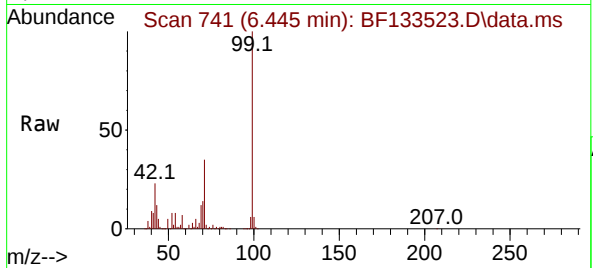




#7
Phenol-d6
Concen: 21.819 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

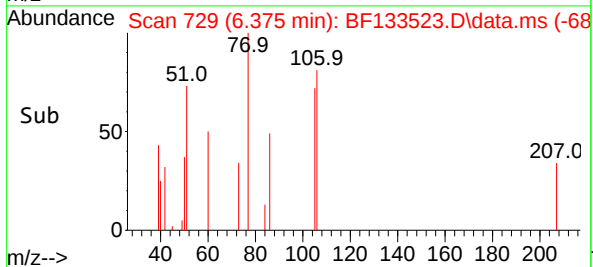
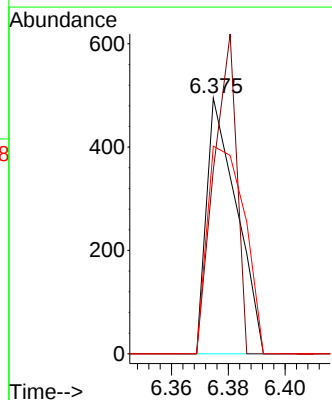
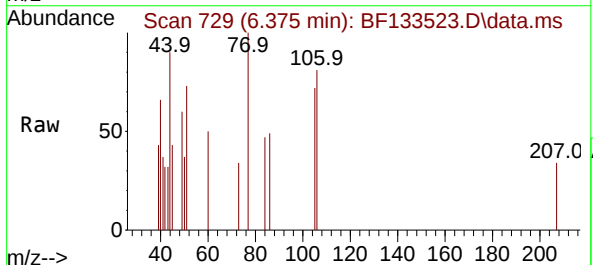
Instrument :
BNA_F
ClientSampleId :
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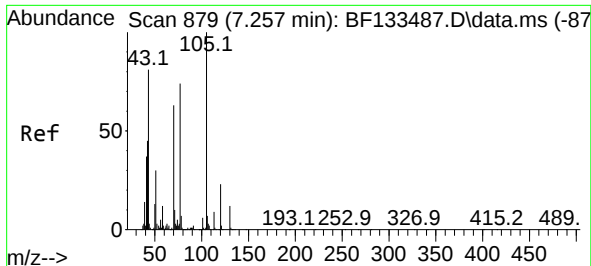
Tgt Ion: 99 Resp: 235726
Ion Ratio Lower Upper
99 100
42 22.8 19.7 29.5
71 34.7 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

Tgt Ion: 77 Resp: 364
Ion Ratio Lower Upper
77 100
105 71.9 81.9 121.9#
106 81.2 77.8 117.8

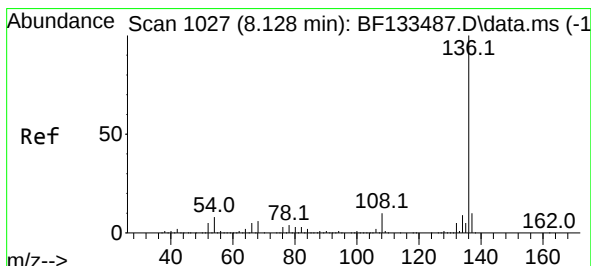
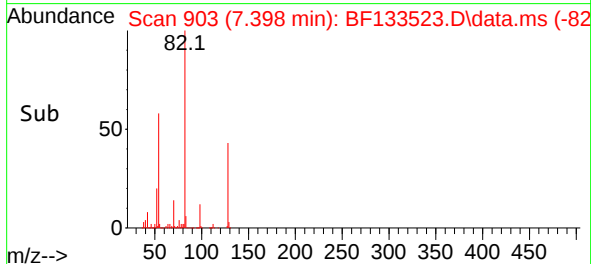
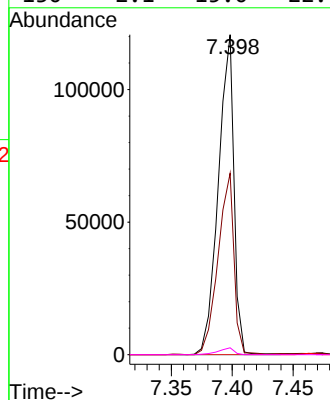
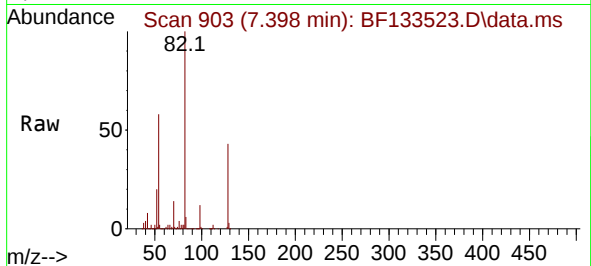




#19
n-Nitroso-di-n-propylamine
Concen: 15.411 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

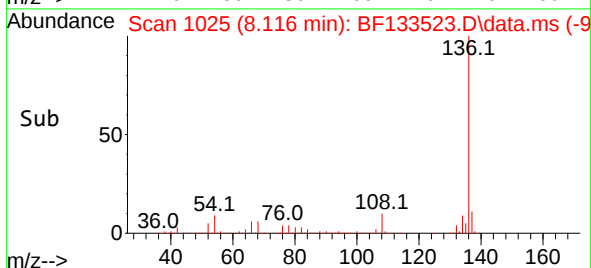
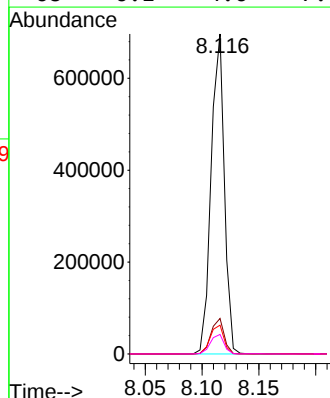
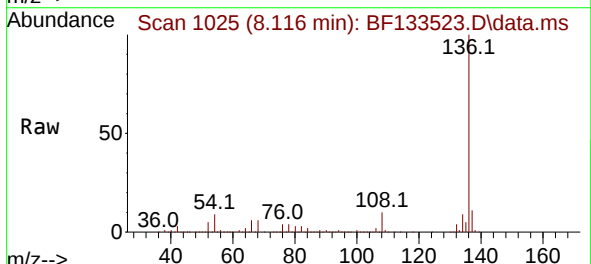
Instrument :
BNA_F
ClientSampleId :
TWP05RE

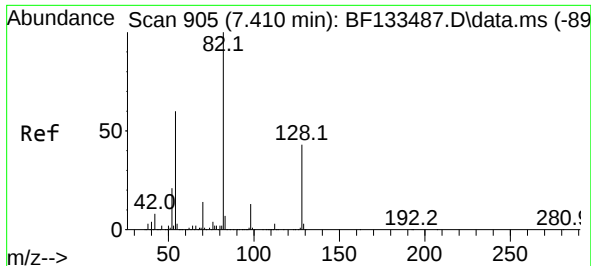
Tgt Ion: 70 Resp: 107729
Ion Ratio Lower Upper
70 100
42 56.7 57.2 85.8#
101 0.0 7.3 10.9#
130 2.1 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

Tgt Ion: 136 Resp: 562339
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 9.0 6.6 10.0
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 93.765 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133523.D

Acq: 30 May 2023 15:46

Instrument :

BNA_F

ClientSampleId :

TWP05RE

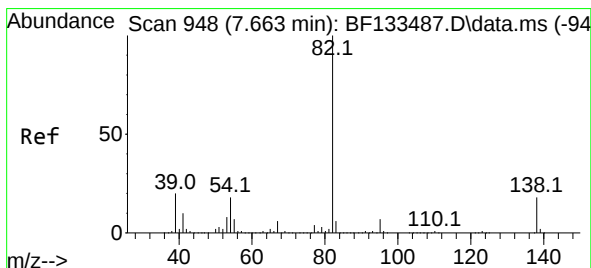
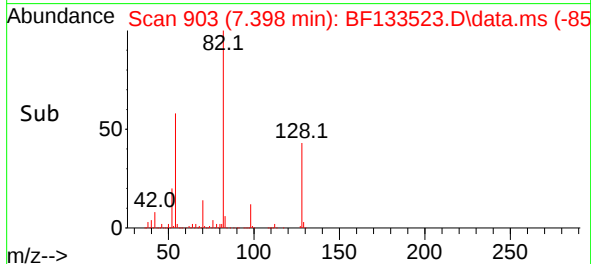
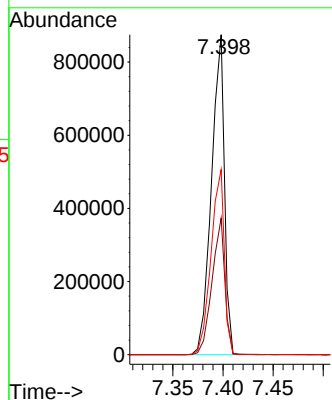
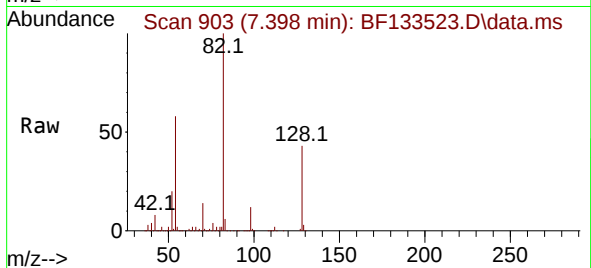
Tgt Ion: 82 Resp: 789708

Ion Ratio Lower Upper

82 100

128 42.7 34.2 51.4

54 57.9 48.2 72.4



#25

Isophorone

Concen: 40.142 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133523.D

Acq: 30 May 2023 15:46

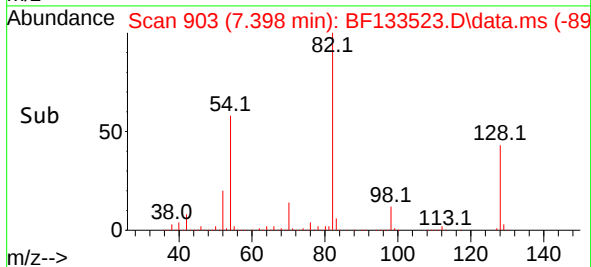
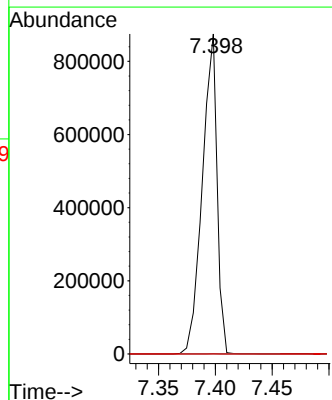
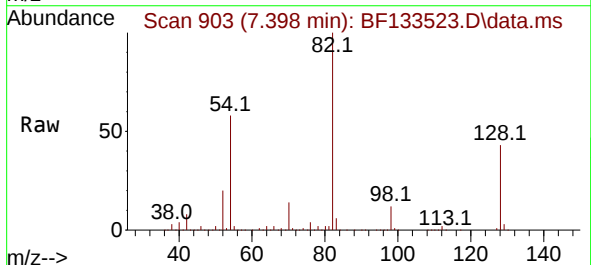
Tgt Ion: 82 Resp: 787934

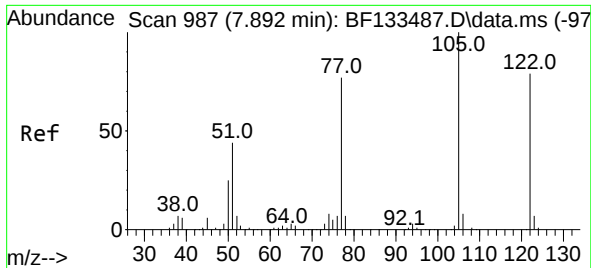
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

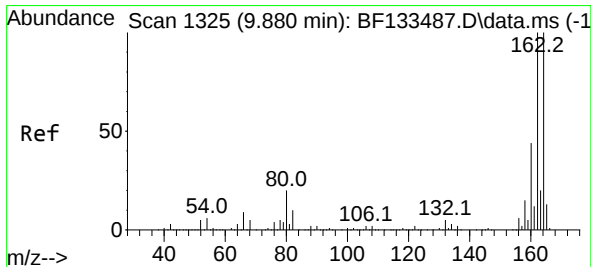
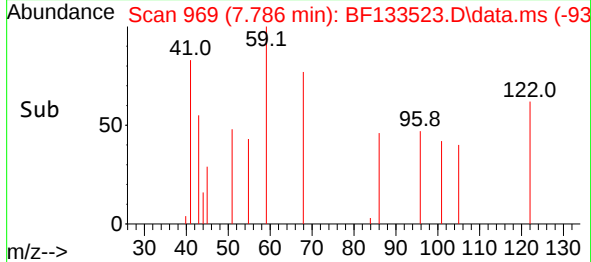
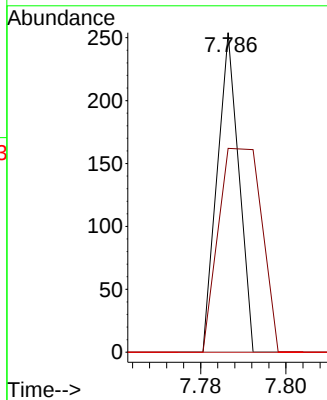
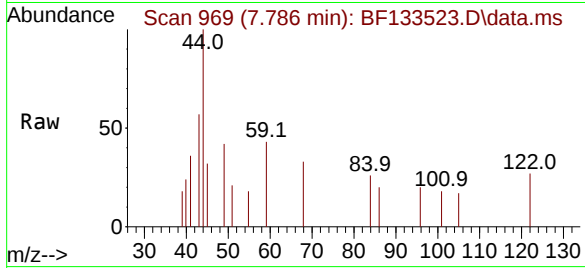




#32
Benzoic acid
Concen: 7.363 ng
RT: 7.786 min Scan# 90
Delta R.T. -0.094 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

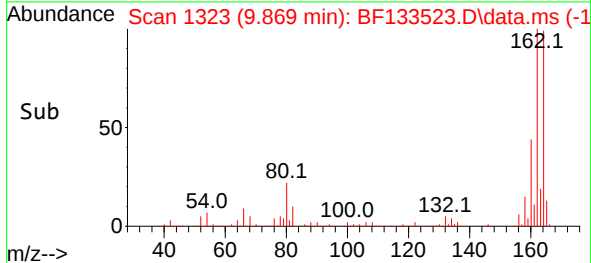
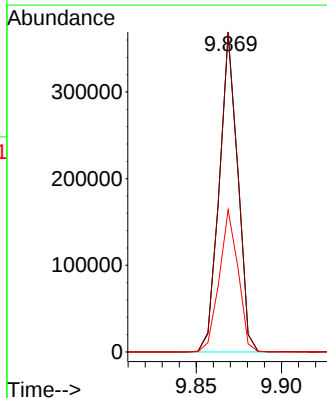
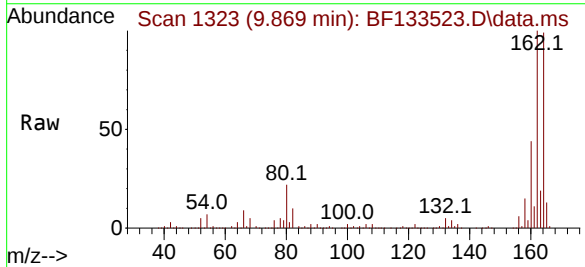
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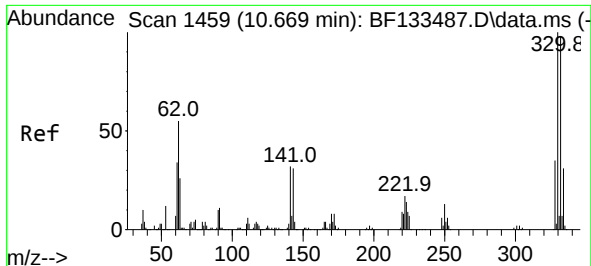
Tgt Ion:122 Resp: 90
Ion Ratio Lower Upper
122 100
105 63.8 103.3 143.3#
77 0.0 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

Tgt Ion:164 Resp: 277514
Ion Ratio Lower Upper
164 100
162 100.6 79.7 119.5
160 44.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 82.540 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133523.D

Acq: 30 May 2023 15:46

Instrument :

BNA_F

ClientSampleId :

TWP05RE

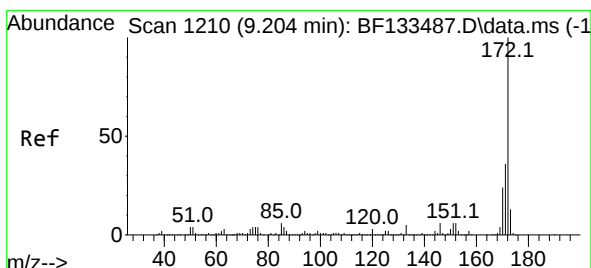
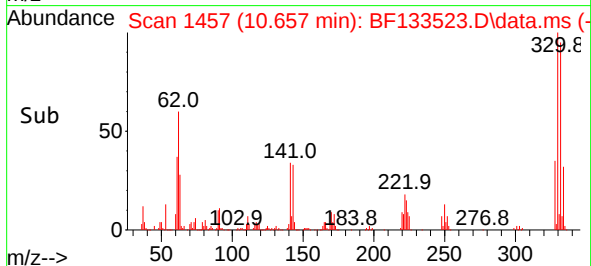
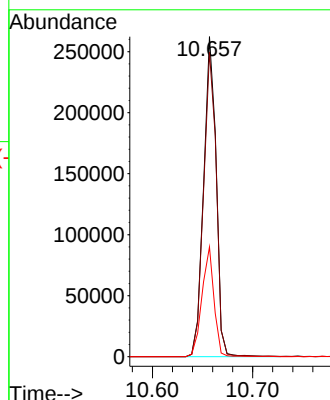
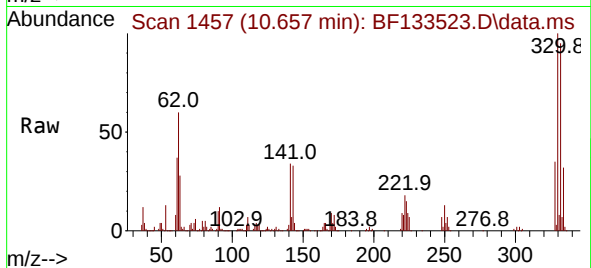
Tgt Ion:330 Resp: 228331

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

141 33.0 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 77.873 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133523.D

Acq: 30 May 2023 15:46

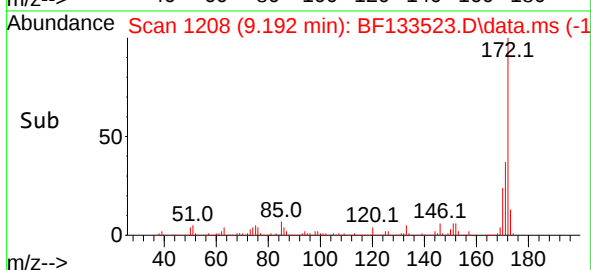
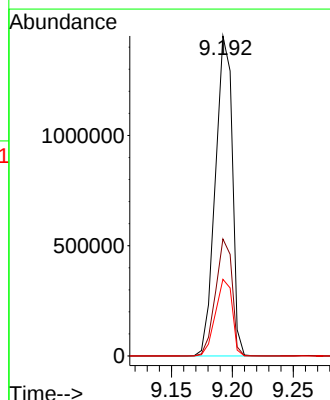
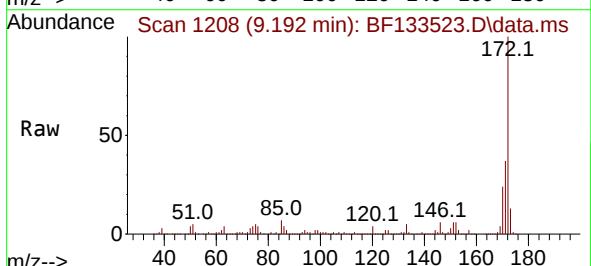
Tgt Ion:172 Resp: 1400168

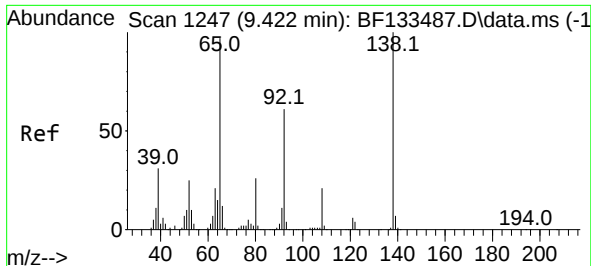
Ion Ratio Lower Upper

172 100

171 36.6 28.4 42.6

170 23.9 19.3 28.9

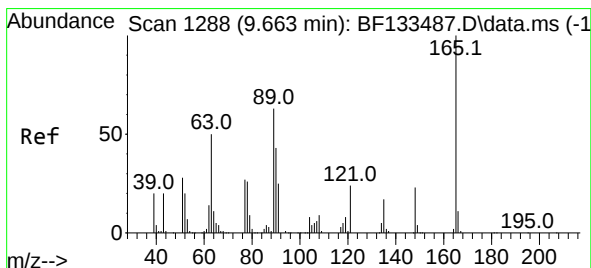
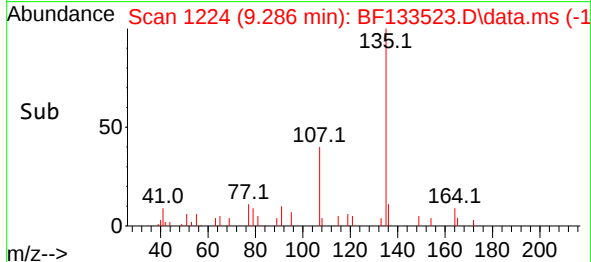
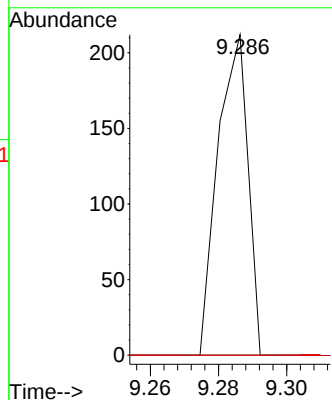
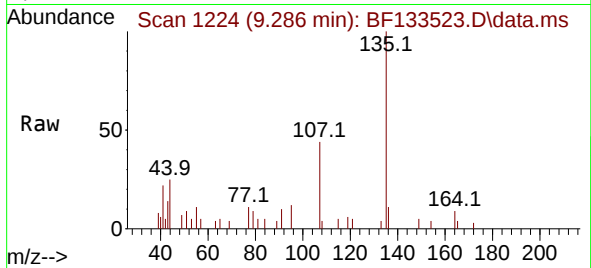




#48
2-Nitroaniline
Concen: 4.013 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.130 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

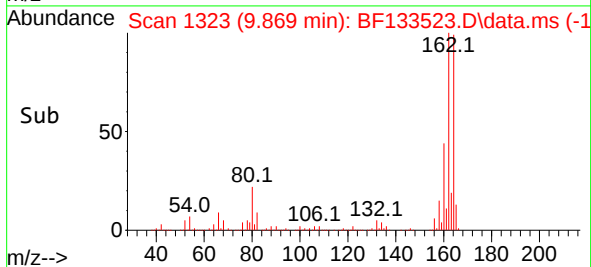
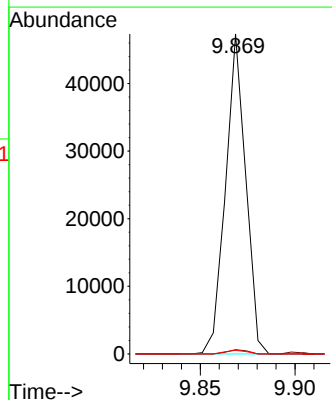
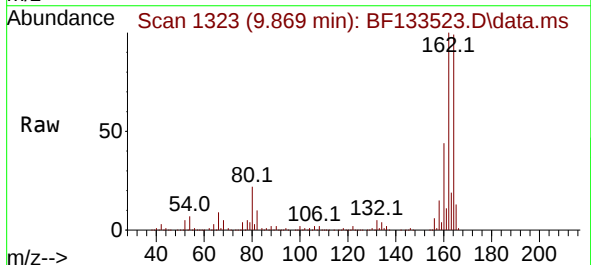
Instrument :
BNA_F
ClientSampleId :
TWP05RE

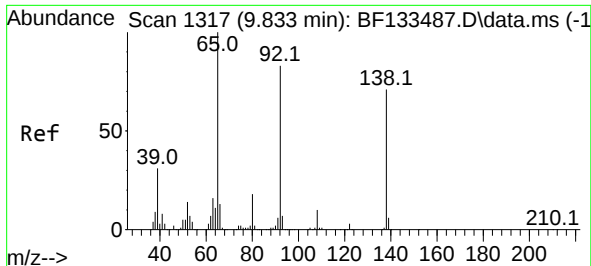
Tgt Ion: 65 Resp: 130
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.411 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

Tgt Ion: 165 Resp: 35059
Ion Ratio Lower Upper
165 100
63 1.3 57.0 85.4#
89 1.2 50.8 76.2#

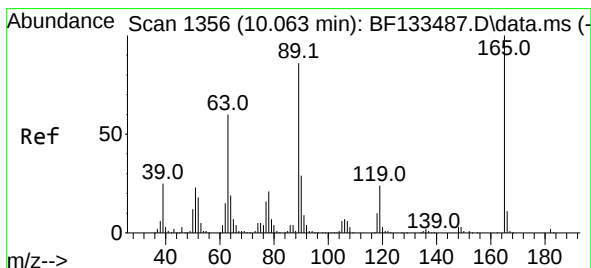
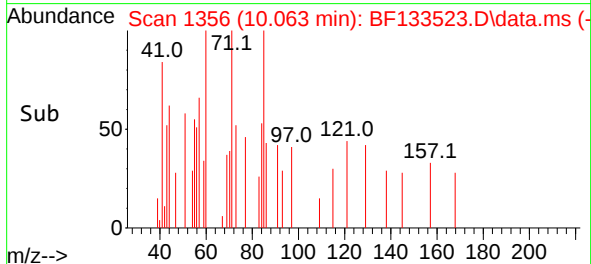
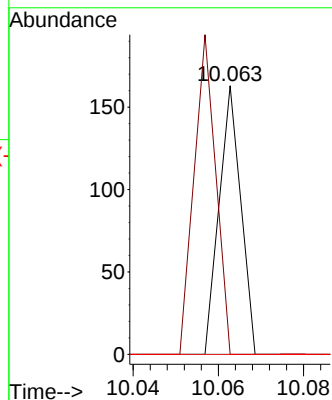
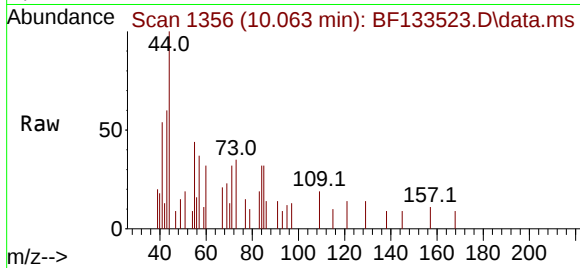




#53
3-Nitroaniline
Concen: 3.191 ng
RT: 10.063 min Scan# 11
Delta R.T. 0.235 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

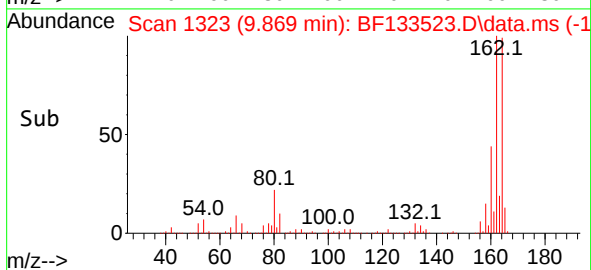
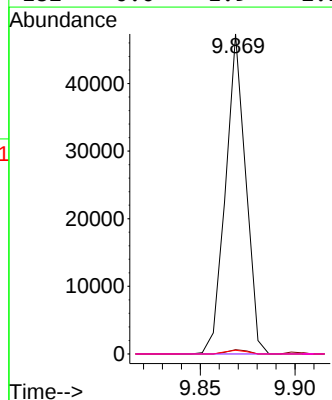
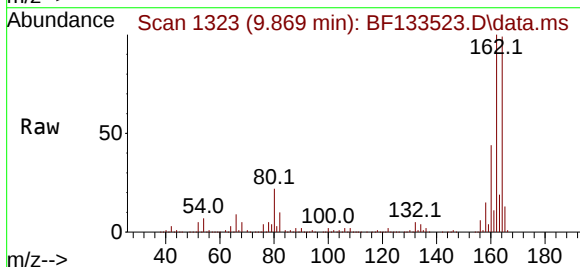
Instrument :
BNA_F
ClientSampleId :
TWP05RE

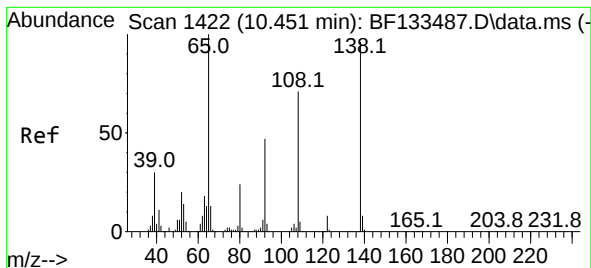
Tgt Ion:138 Resp: 58
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.610 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

Tgt Ion:165 Resp: 35059
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.2 68.4 102.6#
182 0.0 1.9 2.9#

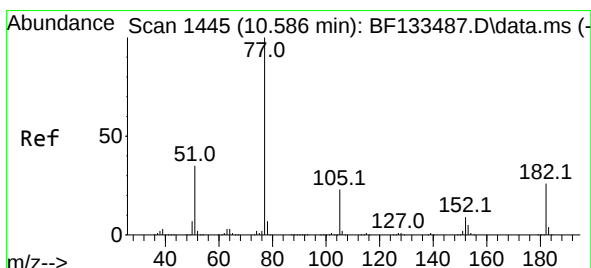
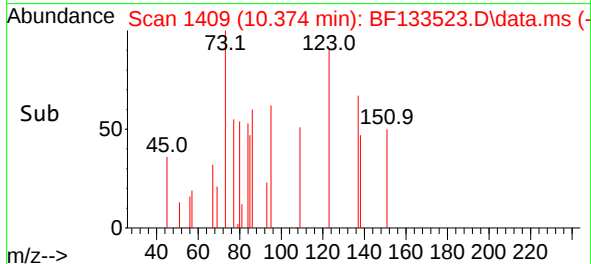
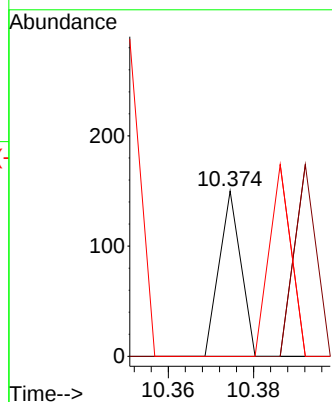
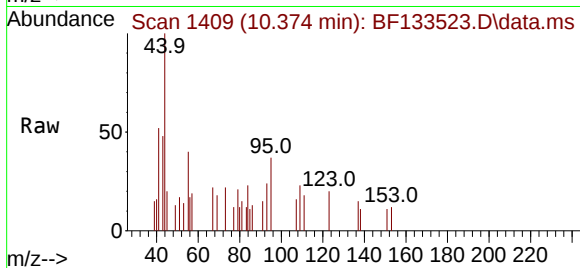




#62
4-Nitroaniline
Concen: 2.995 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.065 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

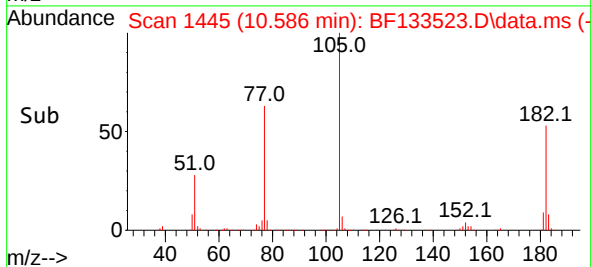
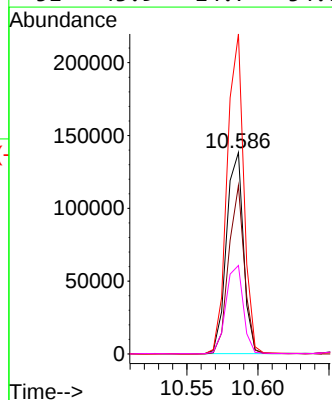
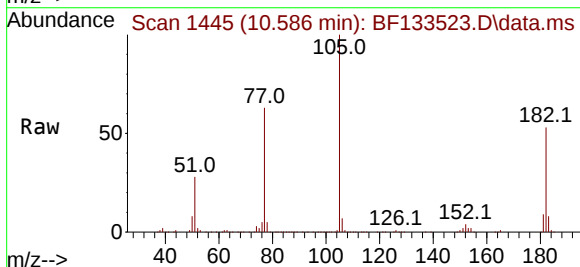
Instrument :
BNA_F
ClientSampleId :
TWP05RE

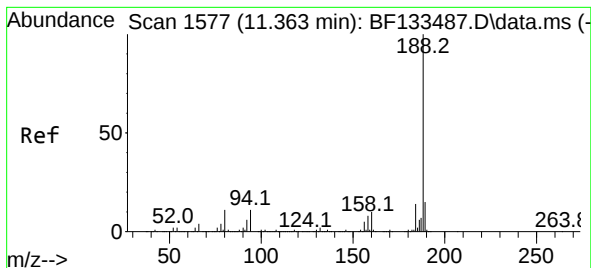
Tgt Ion:138 Resp: 53
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#63
Azobenzene
Concen: 5.662 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.012 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

Tgt Ion: 77 Resp: 114752
Ion Ratio Lower Upper
77 100
182 83.6 5.6 45.6#
105 158.9 2.6 42.6#
51 43.9 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: BF133523.D

Acq: 30 May 2023 15:46

Instrument :

BNA_F

ClientSampleId :

TWP05RE

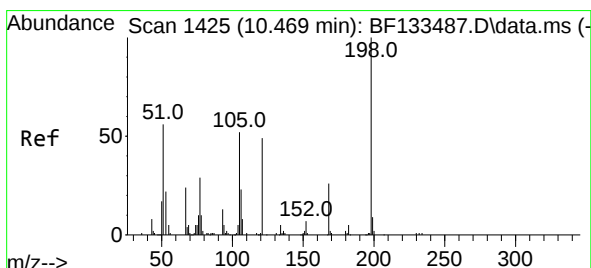
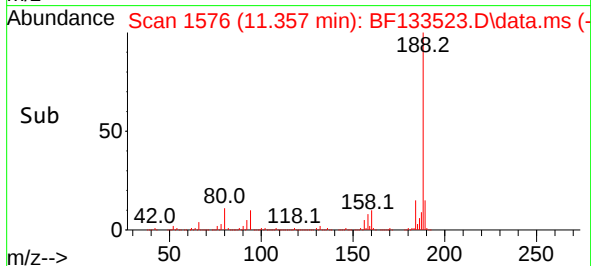
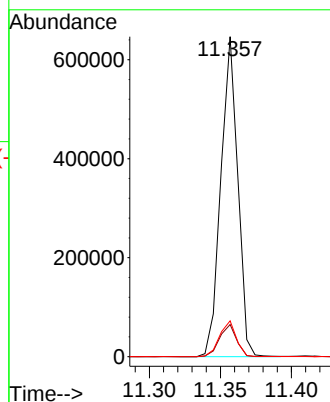
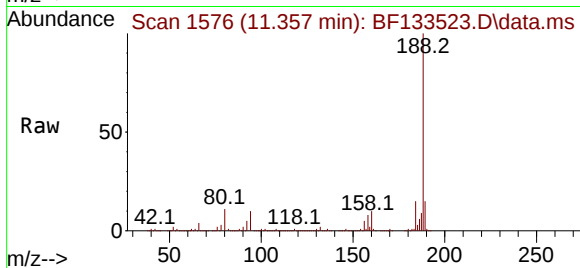
Tgt Ion:188 Resp: 534833

Ion Ratio Lower Upper

188 100

94 10.0 8.6 12.8

80 11.2 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.896 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133523.D

Acq: 30 May 2023 15:46

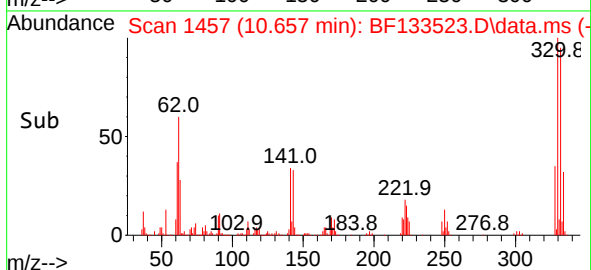
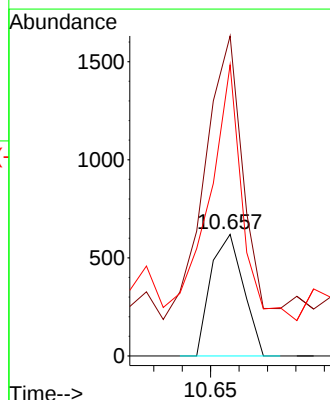
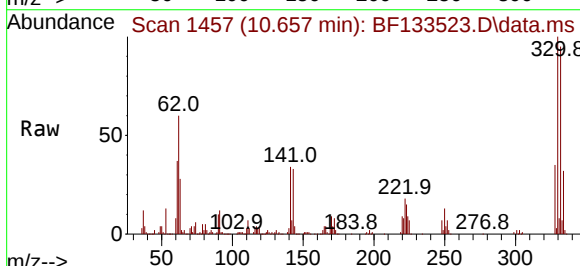
Tgt Ion:198 Resp: 493

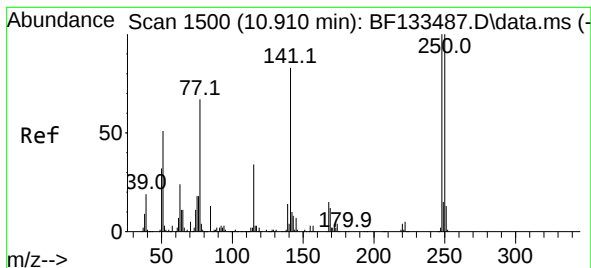
Ion Ratio Lower Upper

198 100

51 263.1 53.6 93.6#

105 239.4 35.9 75.9#

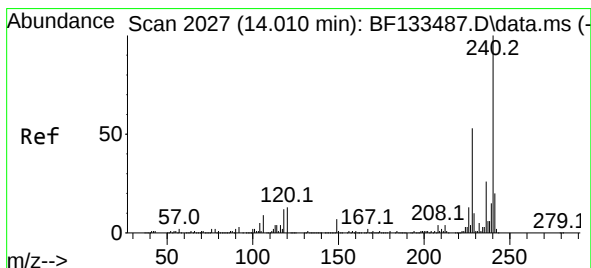
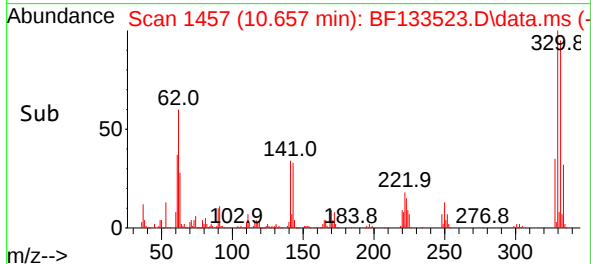
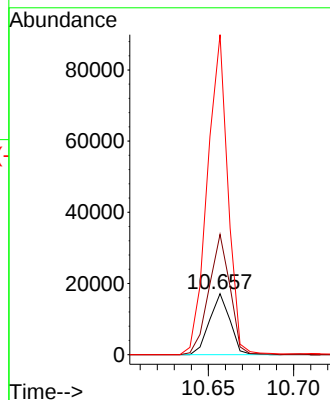
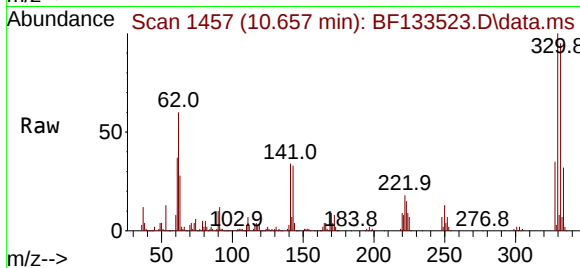




#67
4-Bromophenyl-phenylether
Concen: 2.515 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

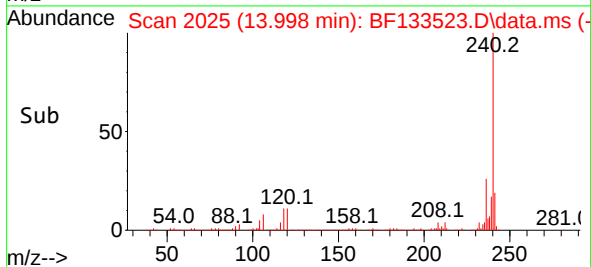
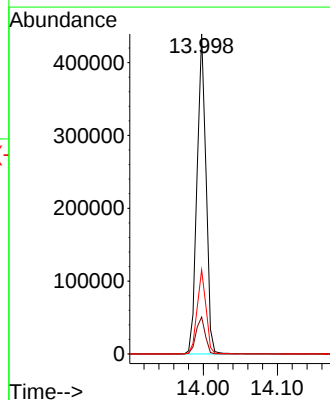
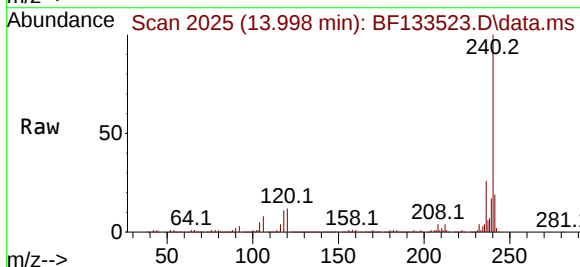
Instrument :
BNA_F
ClientSampleId :
TWP05RE

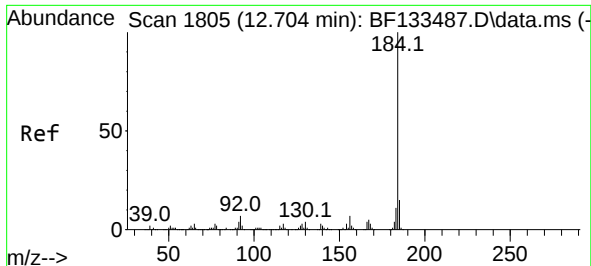
Tgt Ion:248 Resp: 14283
Ion Ratio Lower Upper
248 100
250 197.3 79.7 119.5#
141 524.9 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

Tgt Ion:240 Resp: 368745
Ion Ratio Lower Upper
240 100
120 11.5 10.3 15.5
236 26.2 20.5 30.7

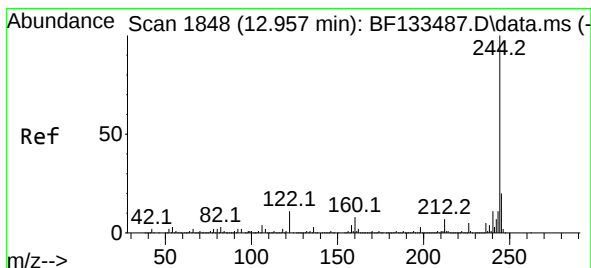
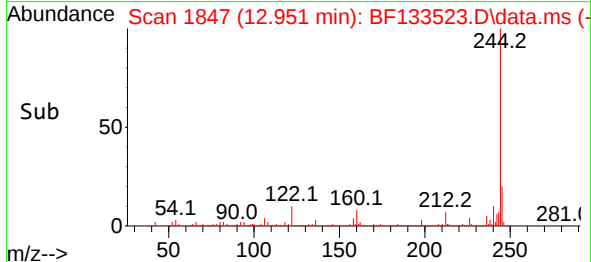
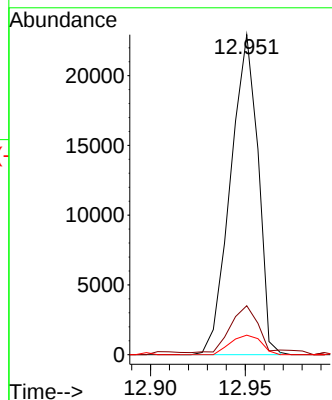
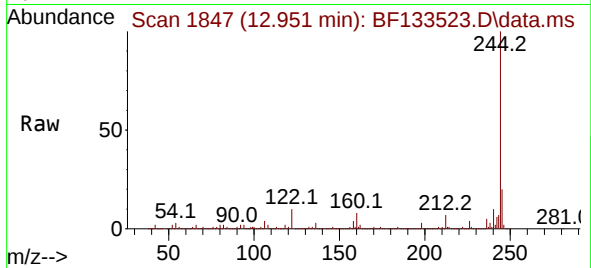




#77
Benzidine
Concen: 2.142 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

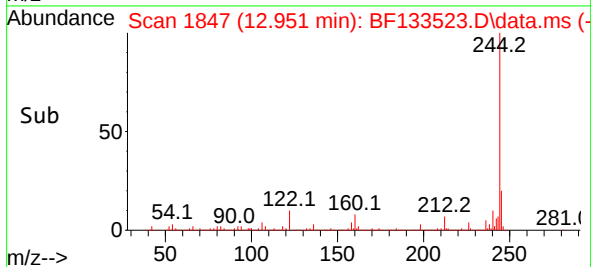
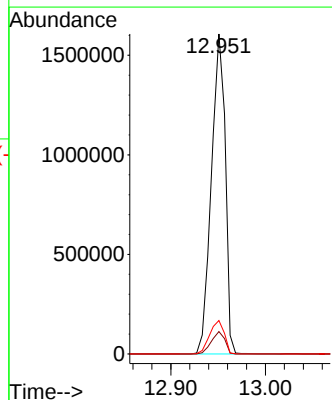
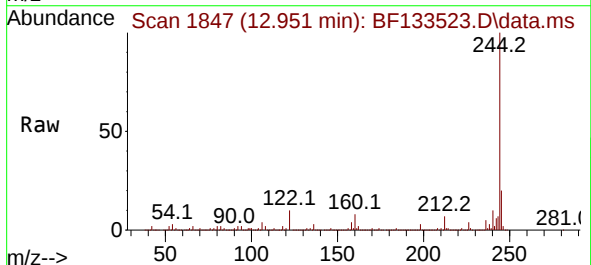
Instrument :
BNA_F
ClientSampleId :
TWP05RE

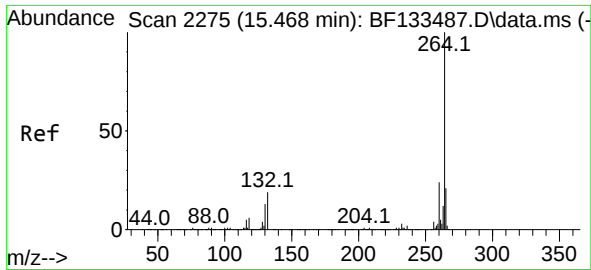
Tgt Ion:184 Resp: 23105
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.2
183 6.1 8.7 13.1#



#79
Terphenyl-d14
Concen: 78.653 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF133523.D
Acq: 30 May 2023 15:46

Tgt Ion:244 Resp: 1631223
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 10.5 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133523.D

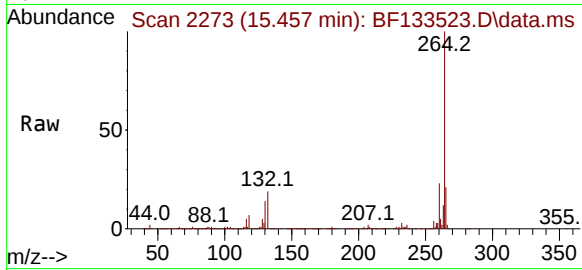
Acq: 30 May 2023 15:46

Instrument :

BNA_F

ClientSampleId :

TWP05RE



Tgt Ion:264 Resp: 275901

Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.4

265 21.2 16.8 25.2

