

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133517.D
 Acq On : 30 May 2023 12:22
 Operator : CG\JU
 Sample : PB153075BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB153075BL

Quant Time: May 30 12:50:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

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

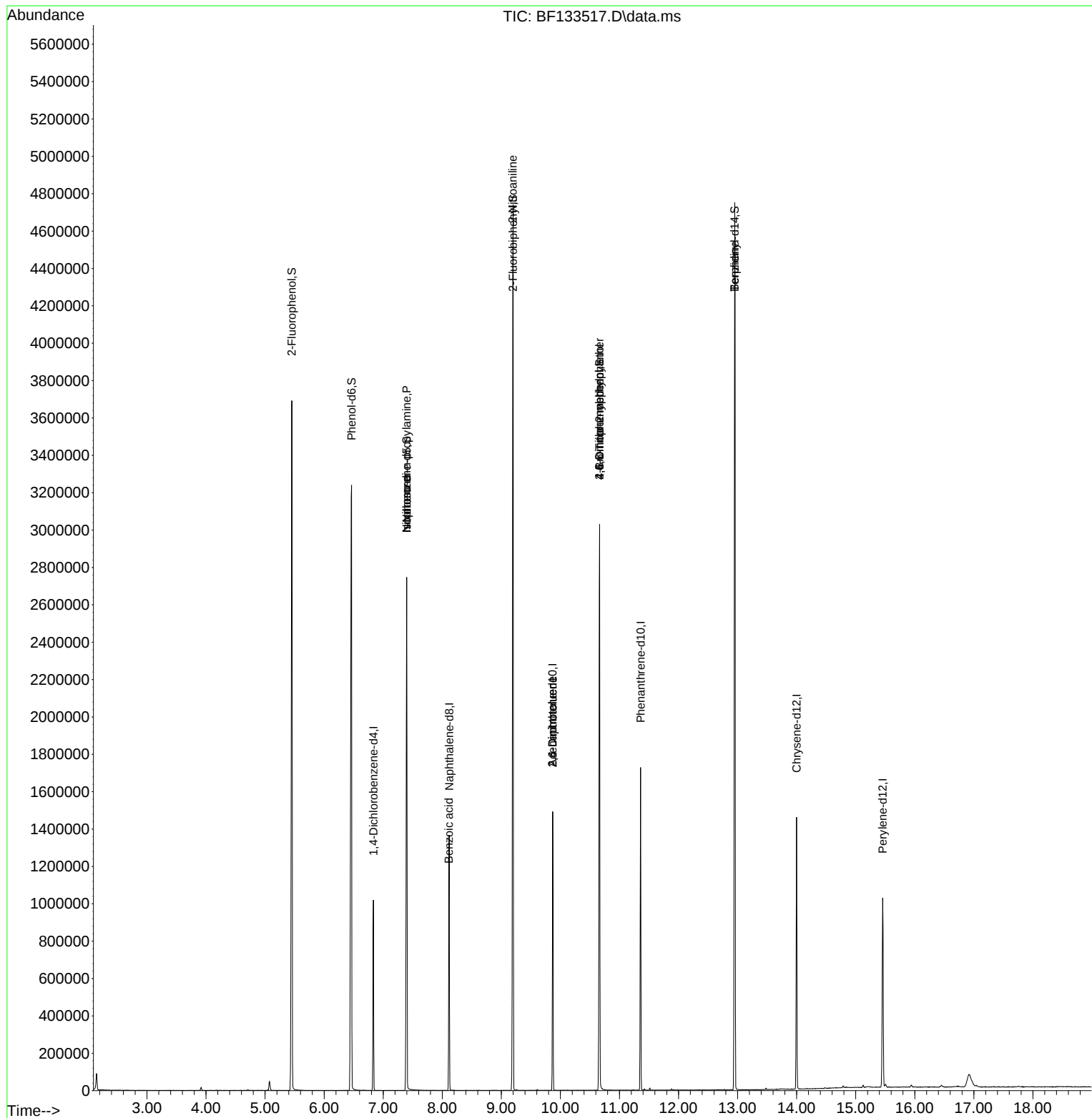
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	138158	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	530498	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	271955	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	555573	20.000	ng	0.00
76) Chrysene-d12	13.998	240	446074	20.000	ng	-0.01
86) Perylene-d12	15.457	264	448461	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	1100128	132.857	ng	0.00
7) Phenol-d6	6.463	99	1343000	131.751	ng	0.00
23) Nitrobenzene-d5	7.398	82	817709	102.917	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	373947	137.942	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1531641	86.926	ng	0.00
79) Terphenyl-d14	12.951	244	1950937	77.761	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.463	77	2205	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	114602	17.376	ng	# 79
25) Isophorone	7.398	82	817700	44.159	ng	# 65
32) Benzoic acid	8.110	122	54	7.358	ng	# 1
48) 2-Nitroaniline	9.192	65	2943	4.515	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	34511	12.450	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	34511	11.641	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.663	198	890	9.032	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	23359	3.959	ng	# 1
77) Benzidine	12.951	184	26379	2.022	ng	# 90

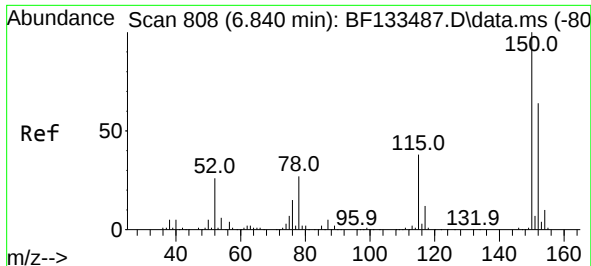
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
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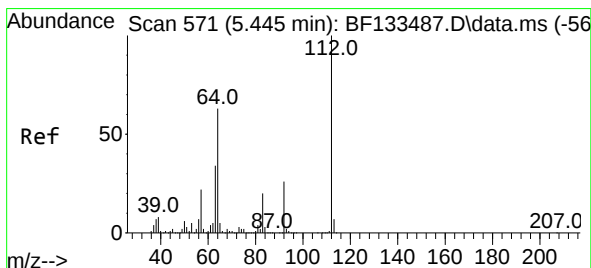
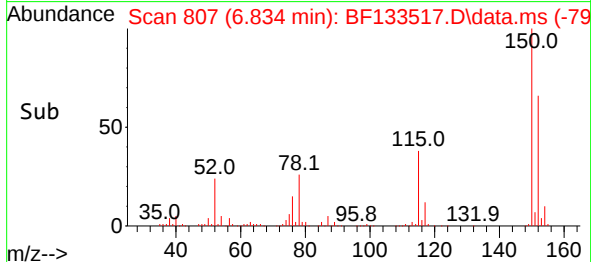
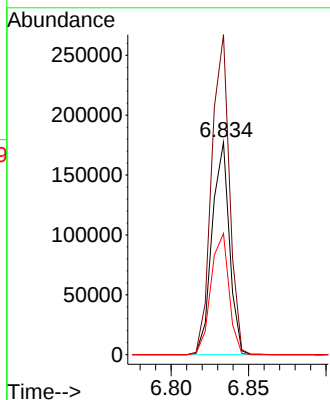
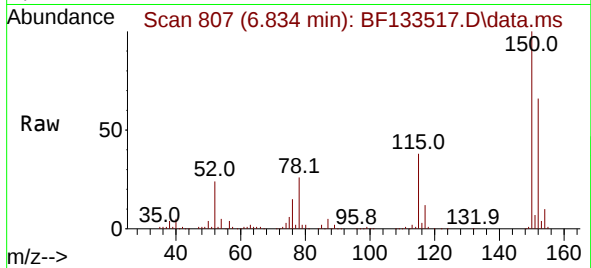




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.834 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF133517.D
 Acq: 30 May 2023 12:22

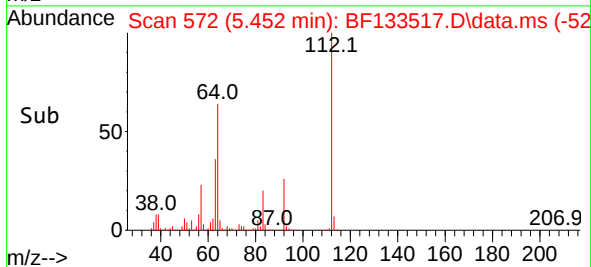
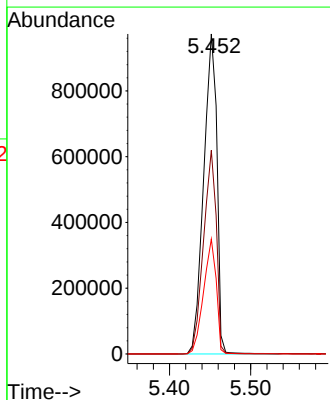
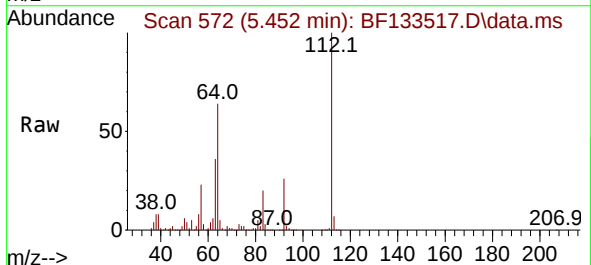
Instrument :
 BNA_F
 ClientSampleId :
 PB153075BL

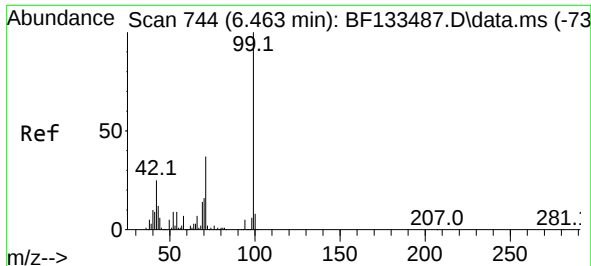
Tgt Ion:152 Resp: 138158
 Ion Ratio Lower Upper
 152 100
 150 150.7 124.9 187.3
 115 57.1 48.1 72.1



#5
 2-Fluorophenol
 Concen: 132.857 ng
 RT: 5.452 min Scan# 572
 Delta R.T. 0.006 min
 Lab File: BF133517.D
 Acq: 30 May 2023 12:22

Tgt Ion:112 Resp: 1100128
 Ion Ratio Lower Upper
 112 100
 64 63.6 50.1 75.1
 63 35.9 27.5 41.3

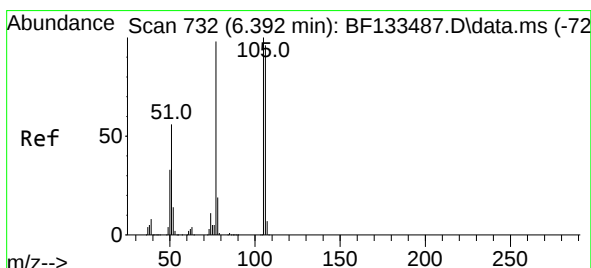
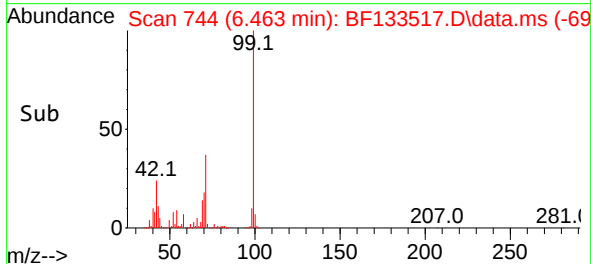
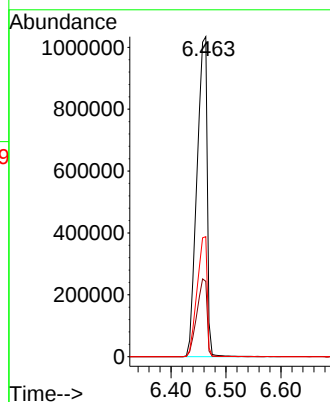
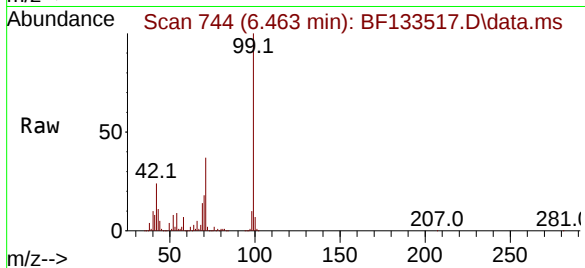




#7
Phenol-d6
Concen: 131.751 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

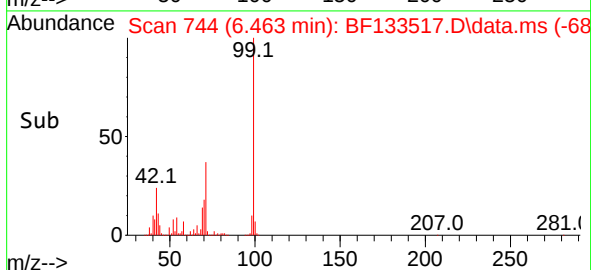
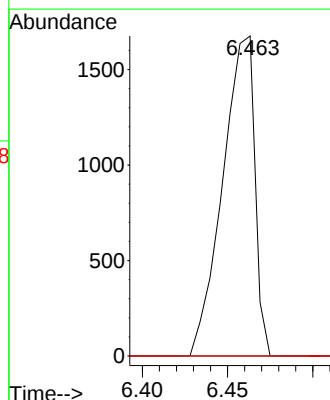
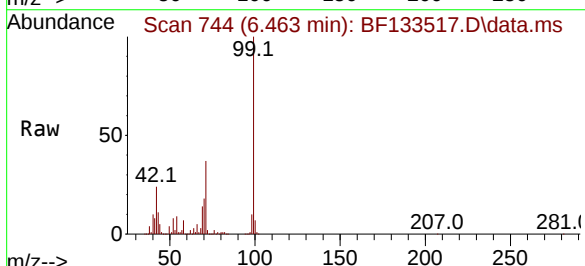
Instrument :
BNA_F
ClientSampleId :
PB153075BL

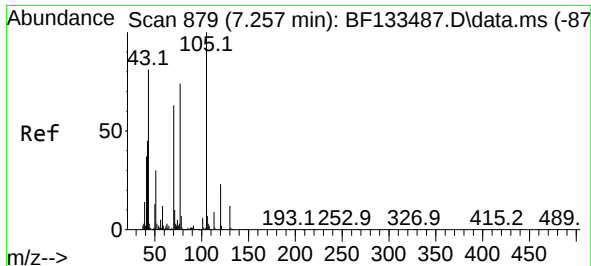
Tgt Ion: 99 Resp: 1343000
Ion Ratio Lower Upper
99 100
42 23.6 19.7 29.5
71 37.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.463 min Scan# 744
Delta R.T. 0.071 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

Tgt Ion: 77 Resp: 2205
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

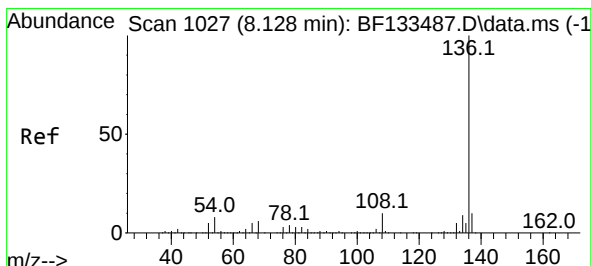
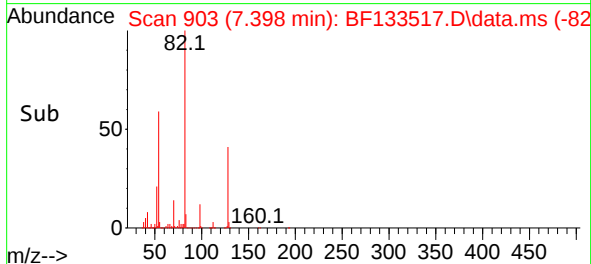
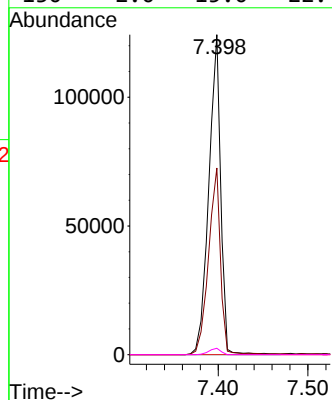
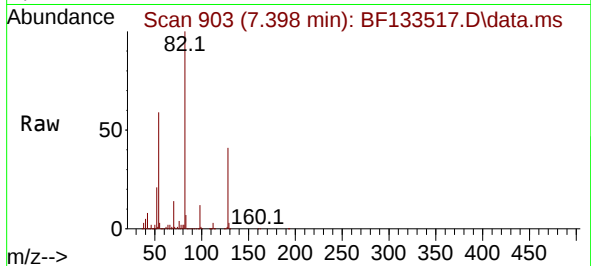




#19
n-Nitroso-di-n-propylamine
Concen: 17.376 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

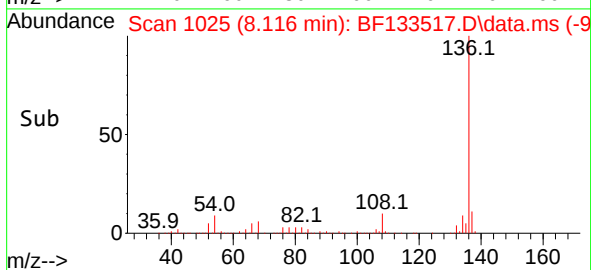
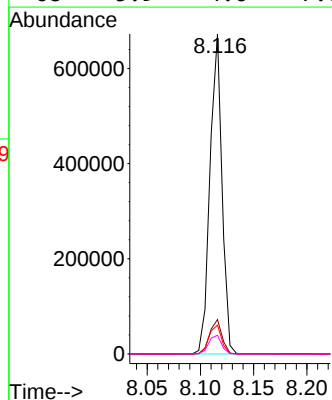
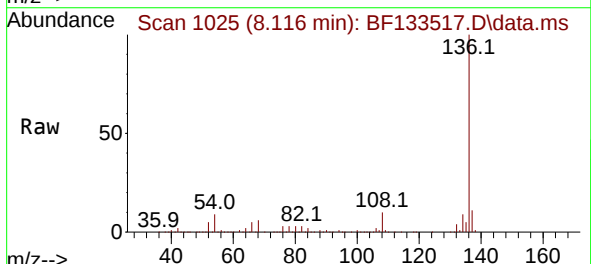
Instrument :
BNA_F
ClientSampleId :
PB153075BL

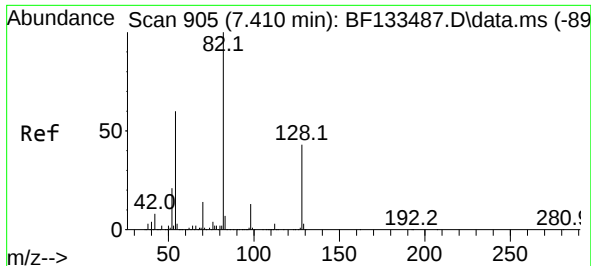
Tgt Ion: 70 Resp: 114602
Ion Ratio Lower Upper
70 100
42 58.3 57.2 85.8
101 0.0 7.3 10.9#
130 2.0 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

Tgt Ion: 136 Resp: 530498
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 9.0 6.6 10.0
68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 102.917 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF133517.D

Acq: 30 May 2023 12:22

Instrument :

BNA_F

ClientSampleId :

PB153075BL

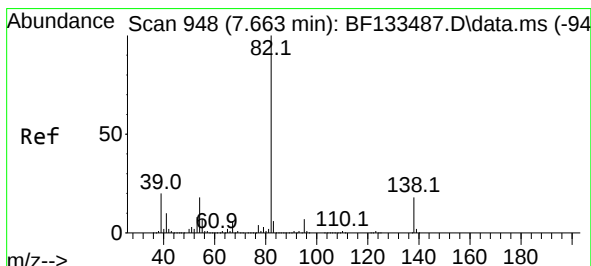
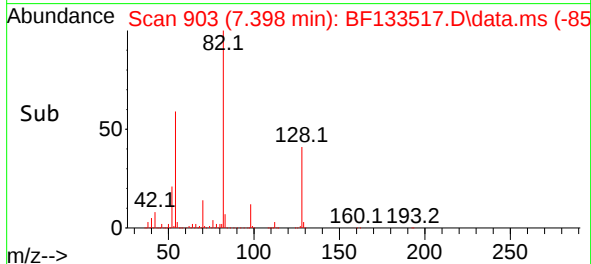
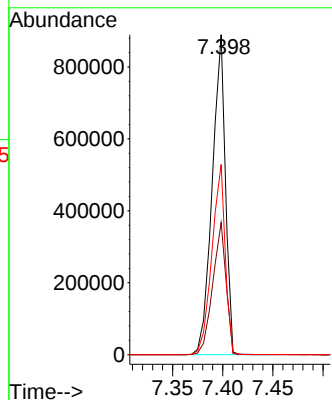
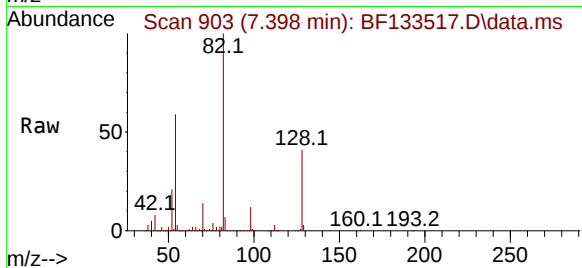
Tgt Ion: 82 Resp: 817709

Ion Ratio Lower Upper

82 100

128 41.3 34.2 51.4

54 59.5 48.2 72.4



#25

Isophorone

Concen: 44.159 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133517.D

Acq: 30 May 2023 12:22

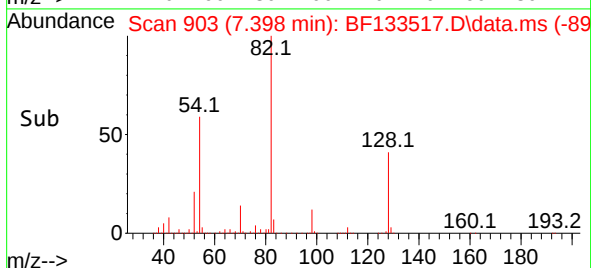
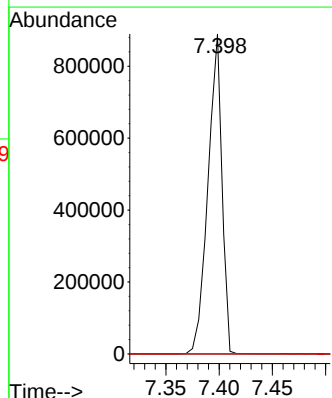
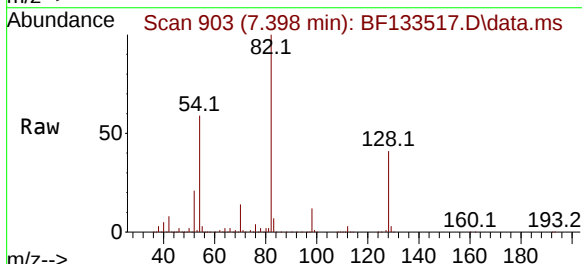
Tgt Ion: 82 Resp: 817700

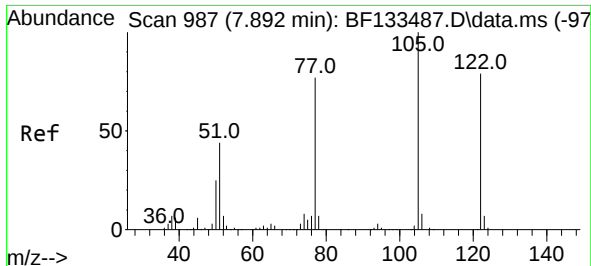
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

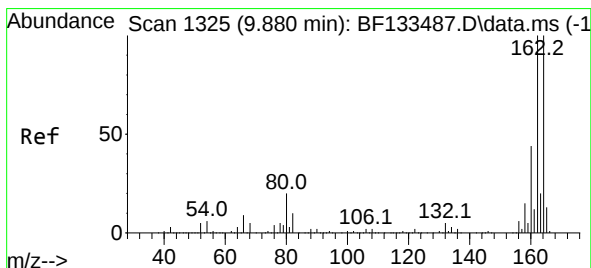
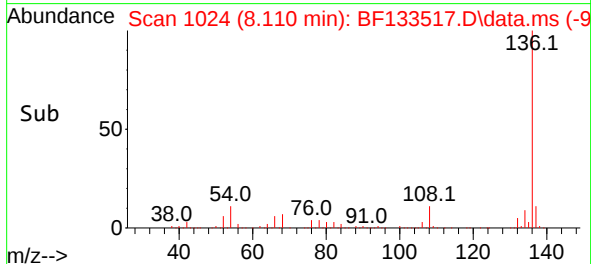
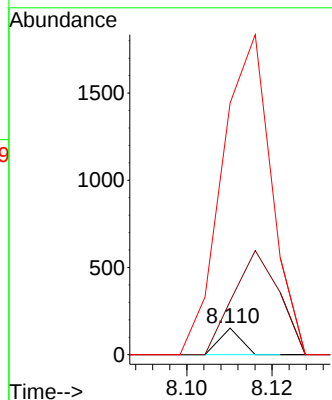
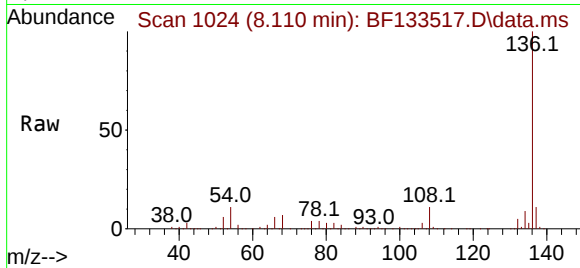




#32
Benzoic acid
Concen: 7.358 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.218 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

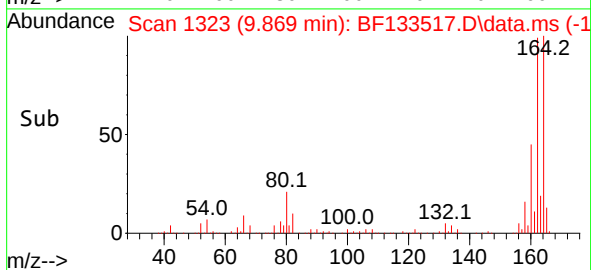
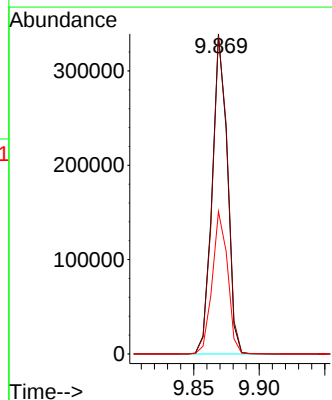
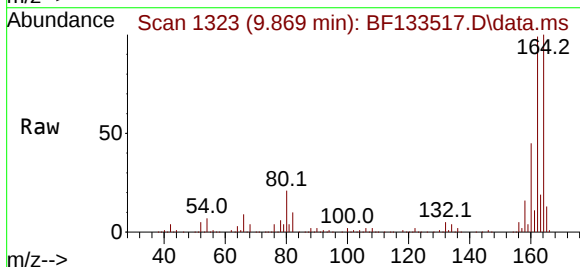
Instrument :
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PB153075BL

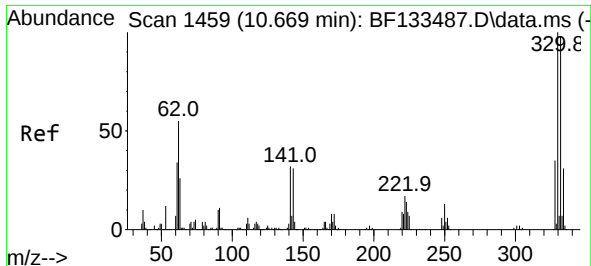
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 202.0 103.3 143.3#
77 949.3 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

Tgt Ion:164 Resp: 271955
Ion Ratio Lower Upper
164 100
162 99.4 79.7 119.5
160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 137.942 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133517.D

Acq: 30 May 2023 12:22

Instrument :

BNA_F

ClientSampleId :

PB153075BL

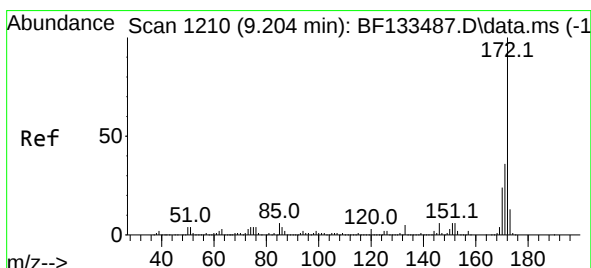
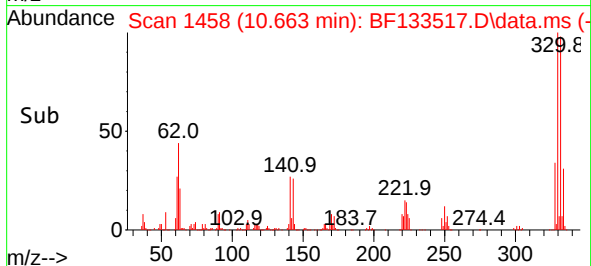
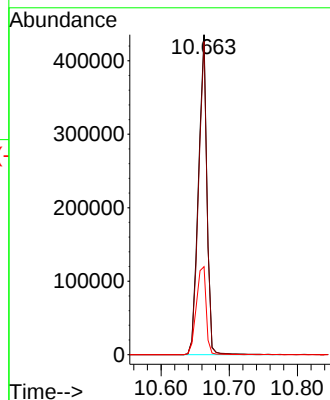
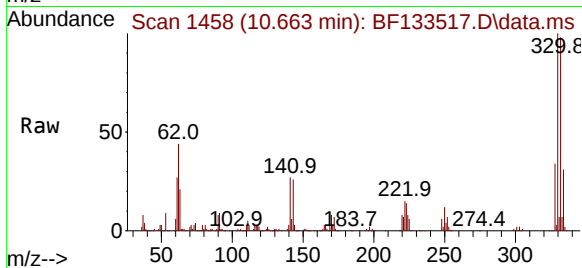
Tgt Ion:330 Resp: 373947

Ion Ratio Lower Upper

330 100

332 97.1 77.8 116.6

141 31.9 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 86.926 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF133517.D

Acq: 30 May 2023 12:22

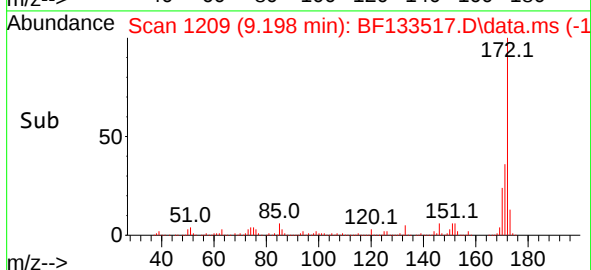
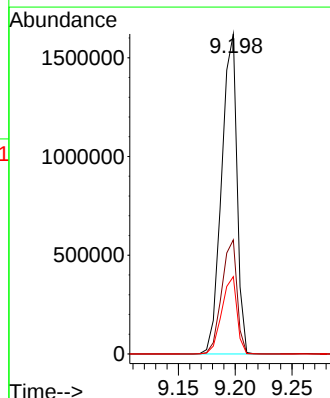
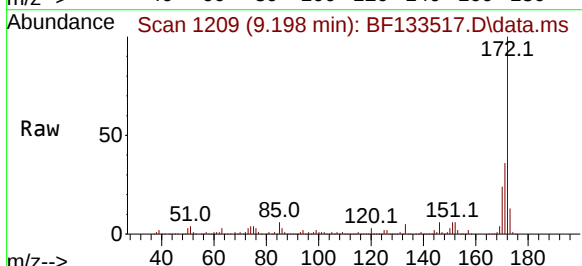
Tgt Ion:172 Resp: 1531641

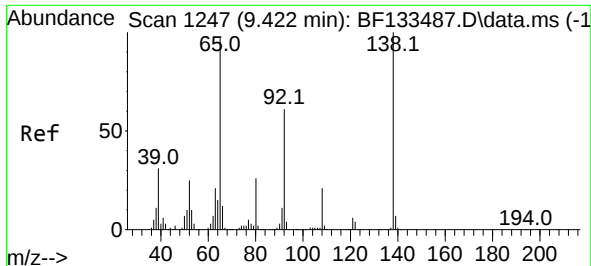
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 24.1 19.3 28.9

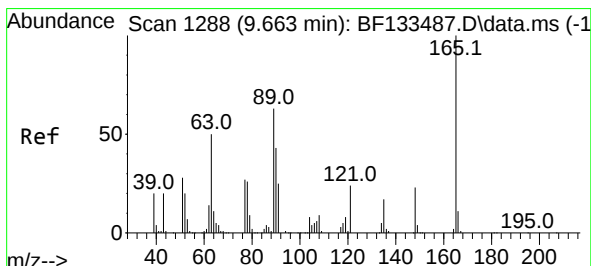
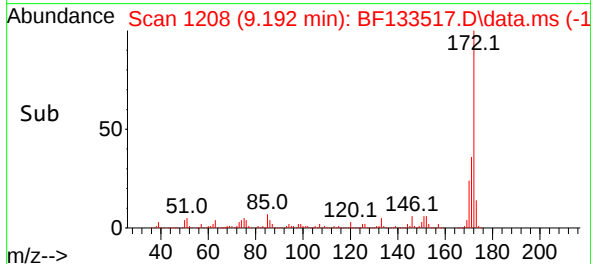
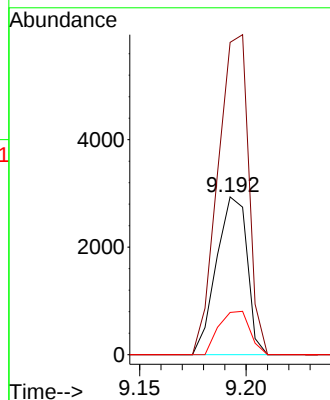
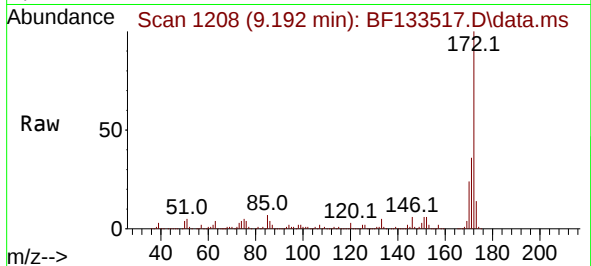




#48
2-Nitroaniline
Concen: 4.515 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

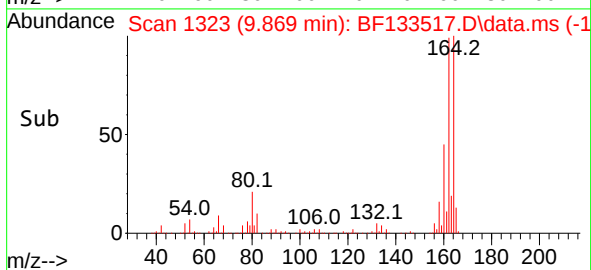
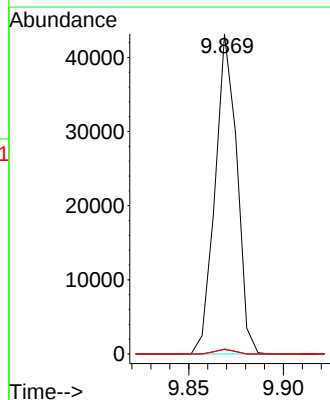
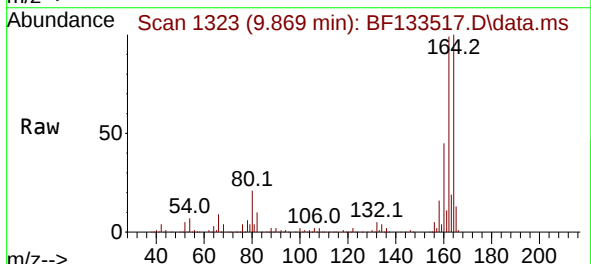
Instrument :
BNA_F
ClientSampleId :
PB153075BL

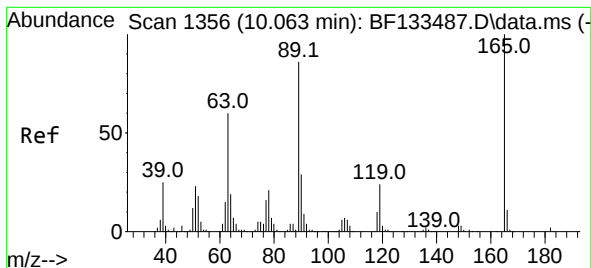
Tgt Ion: 65 Resp: 2943
Ion Ratio Lower Upper
65 100
92 198.0 50.8 76.2#
138 26.7 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.450 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.206 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

Tgt Ion: 165 Resp: 34511
Ion Ratio Lower Upper
165 100
63 1.5 57.0 85.4#
89 1.4 50.8 76.2#

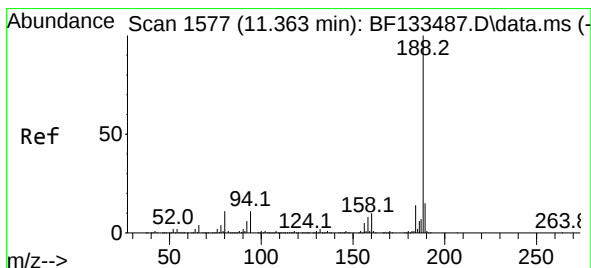
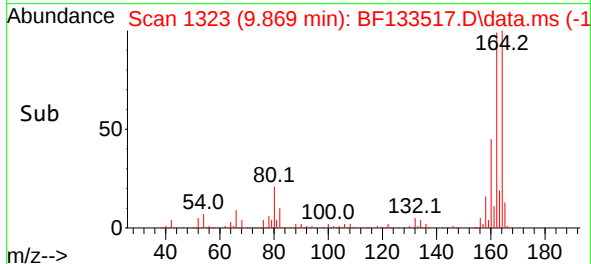
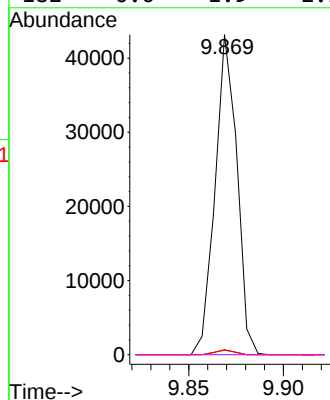
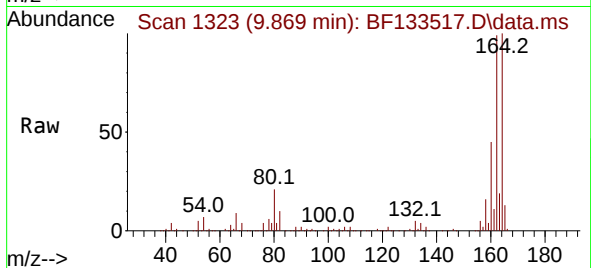




#57
2,4-Dinitrotoluene
Concen: 11.641 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

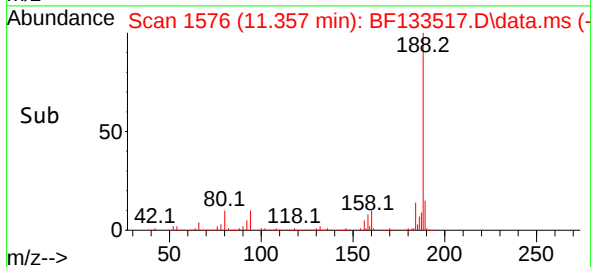
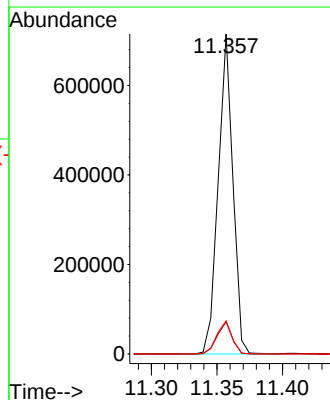
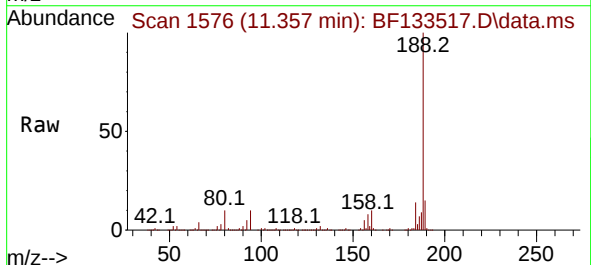
Instrument :
BNA_F
ClientSampleId :
PB153075BL

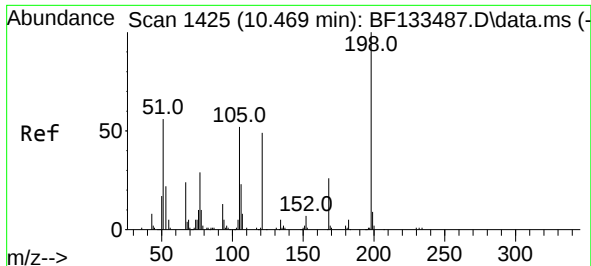
Tgt Ion:165 Resp: 34511
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.4 68.4 102.6#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

Tgt Ion:188 Resp: 555573
Ion Ratio Lower Upper
188 100
94 10.1 8.6 12.8
80 10.4 9.2 13.8

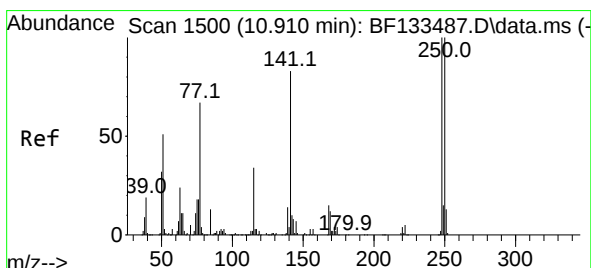
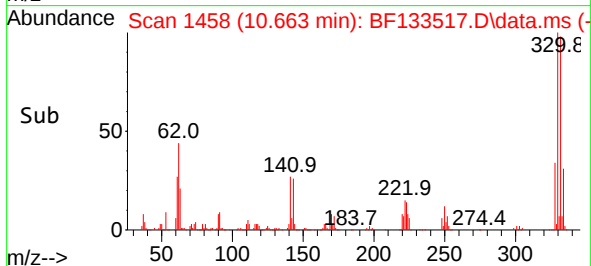
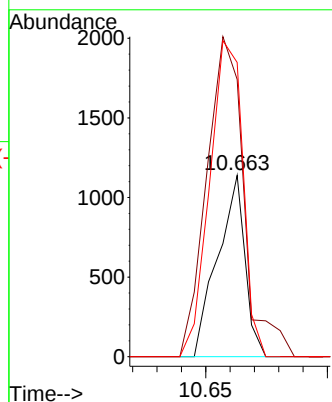
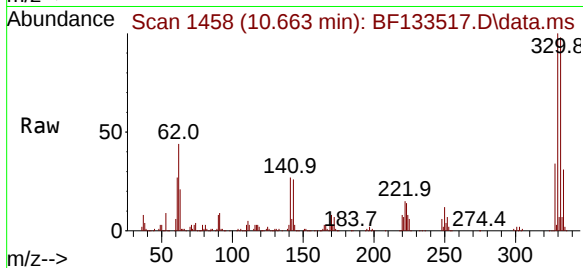




#65
4,6-Dinitro-2-methylphenol
Concen: 9.032 ng
RT: 10.663 min Scan# 1425
Delta R.T. 0.194 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

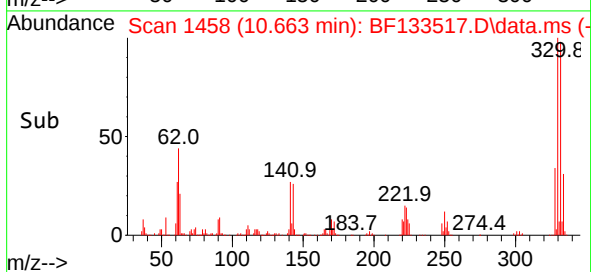
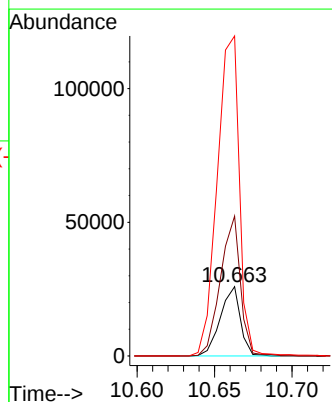
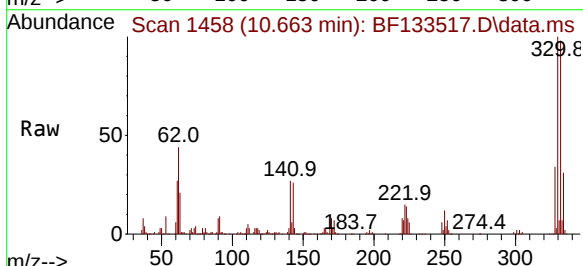
Instrument :
BNA_F
ClientSampleId :
PB153075BL

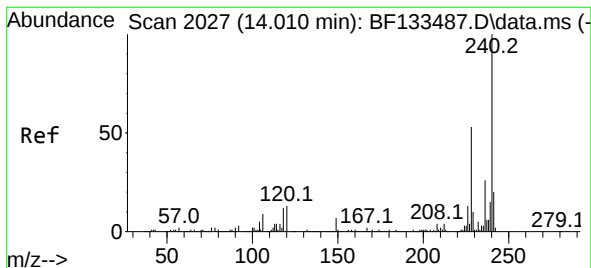
Tgt Ion:198 Resp: 890
Ion Ratio Lower Upper
198 100
51 152.9 53.6 93.6#
105 162.2 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 3.959 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133517.D
Acq: 30 May 2023 12:22

Tgt Ion:248 Resp: 23359
Ion Ratio Lower Upper
248 100
250 201.9 79.7 119.5#
141 462.3 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2027

Delta R.T. -0.012 min

Lab File: BF133517.D

Acq: 30 May 2023 12:22

Instrument :

BNA_F

ClientSampleId :

PB153075BL

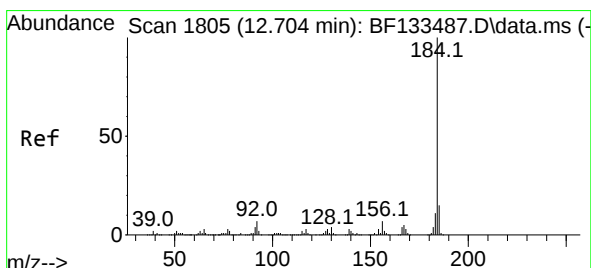
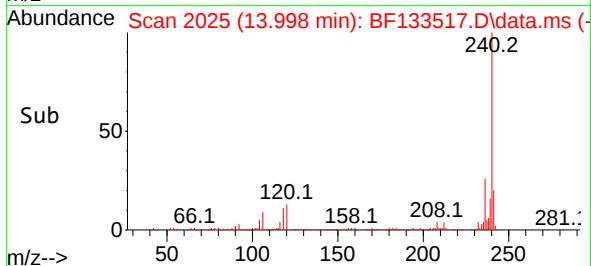
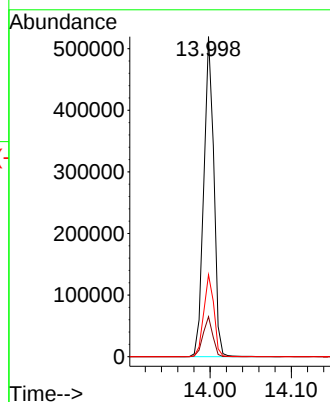
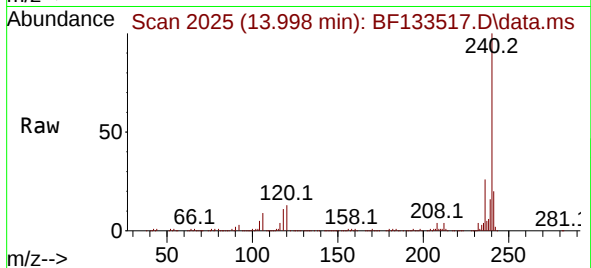
Tgt Ion:240 Resp: 446074

Ion Ratio Lower Upper

240 100

120 12.5 10.3 15.5

236 25.6 20.5 30.7



#77

Benzdine

Concen: 2.022 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.247 min

Lab File: BF133517.D

Acq: 30 May 2023 12:22

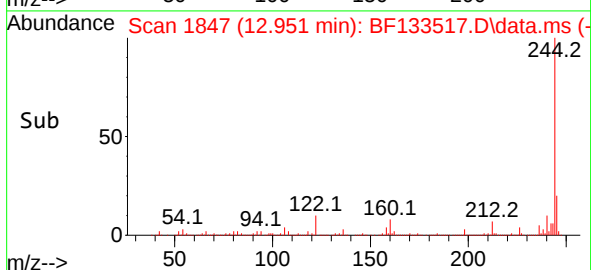
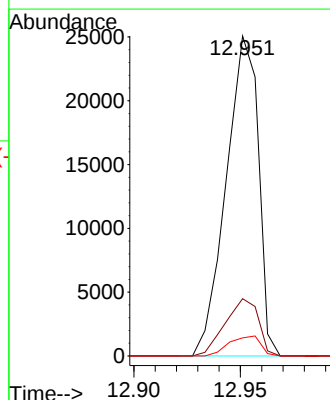
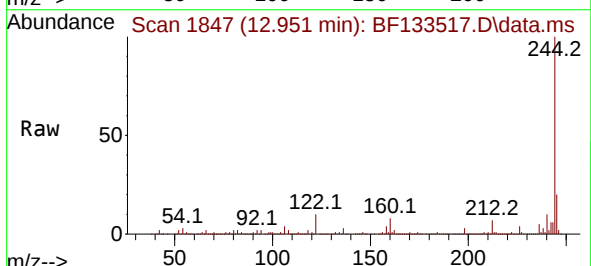
Tgt Ion:184 Resp: 26379

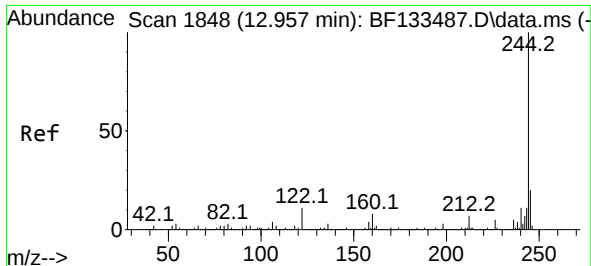
Ion Ratio Lower Upper

184 100

185 17.9 12.2 18.2

183 5.7 8.7 13.1#

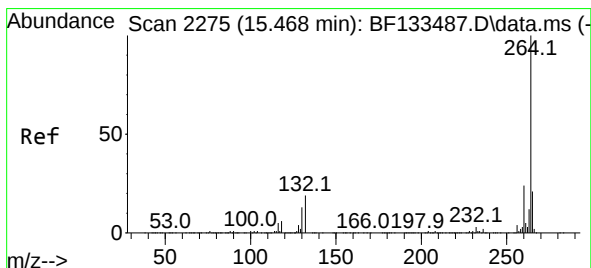
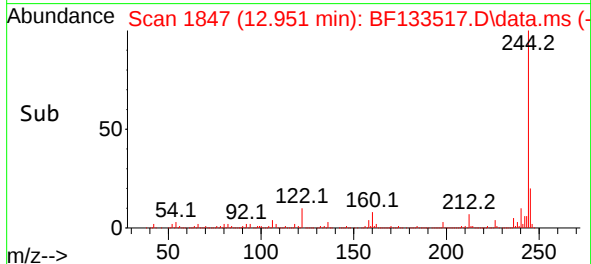
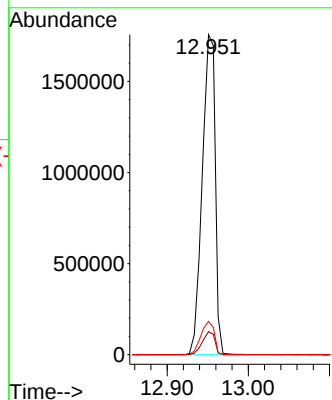
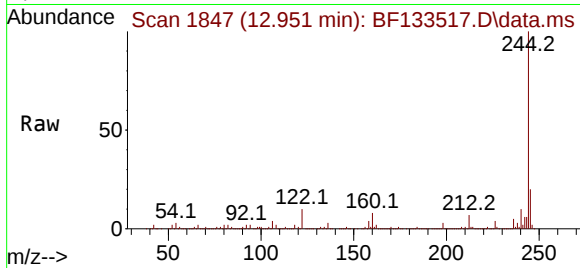




#79
 Terphenyl-d14
 Concen: 77.761 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133517.D
 Acq: 30 May 2023 12:22

Instrument :
 BNA_F
 ClientSampleId :
 PB153075BL

Tgt Ion:244 Resp: 1950937
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 10.4 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 2273
 Delta R.T. -0.012 min
 Lab File: BF133517.D
 Acq: 30 May 2023 12:22

Tgt Ion:264 Resp: 448461
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 22.0 16.8 25.2

