

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133542.D
 Acq On : 31 May 2023 16:44
 Operator : CG\JU
 Sample : 02977-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-TEST-PIT

Quant Time: May 31 17:33:11 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)

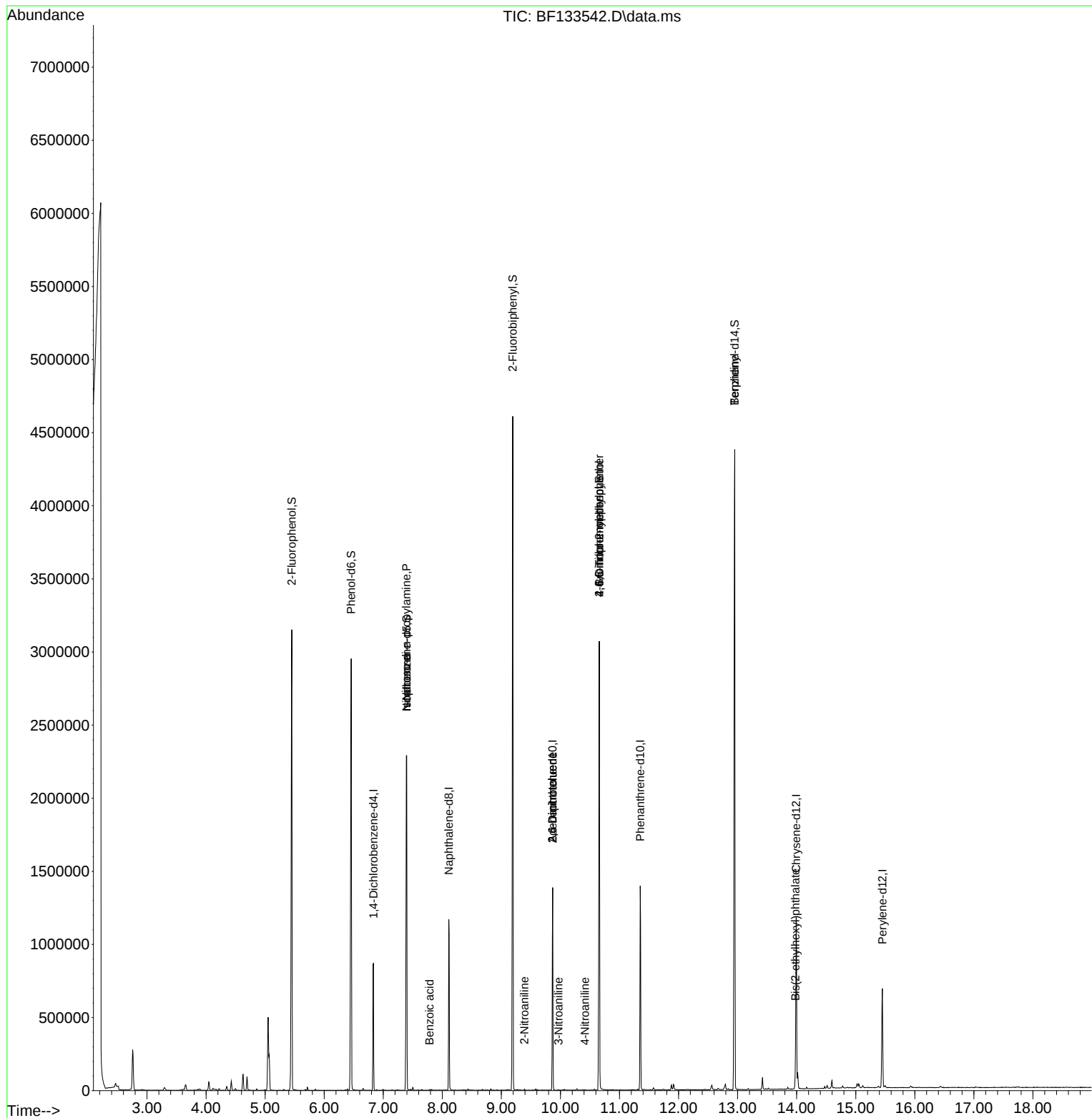
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	125740	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	494689	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	251127	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	495155	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	359961	20.000	ng	-0.01
86) Perylene-d12	15.451	264	293063	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	866241	114.943	ng	0.01
7) Phenol-d6	6.457	99	983410	106.003	ng	0.00
23) Nitrobenzene-d5	7.398	82	760421	102.635	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	364867	145.756	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1360068	83.590	ng	0.00
79) Terphenyl-d14	12.951	244	1730961	85.499	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.381	77	137	Below Cal	#	41
19) n-Nitroso-di-n-propyla...	7.392	70	105539	17.583	ng	# 78
25) Isophorone	7.398	82	760563	44.046	ng	# 65
32) Benzoic acid	7.786	122	810	7.491	ng	# 96
48) 2-Nitroaniline	9.392	65	188	4.027	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	31908	12.461	ng	# 18
53) 3-Nitroaniline	9.969	138	107	3.204	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	31908	11.649	ng	# 15
62) 4-Nitroaniline	10.416	138	489	3.093	ng	# 61
65) 4,6-Dinitro-2-methylph...	10.657	198	931	9.088	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	22592	4.296	ng	# 1
77) Benzidine	12.951	184	24338	2.312	ng	# 93
84) Bis(2-ethylhexyl)phtha...	13.980	149	35264	2.328	ng	# 98

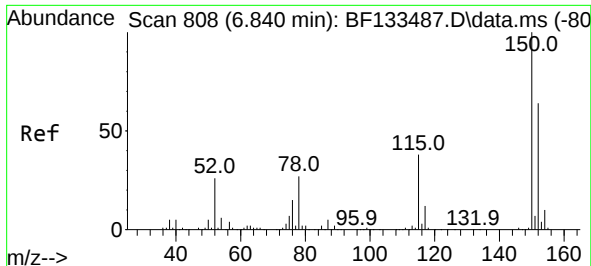
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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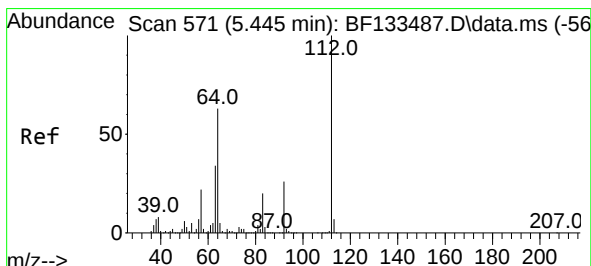
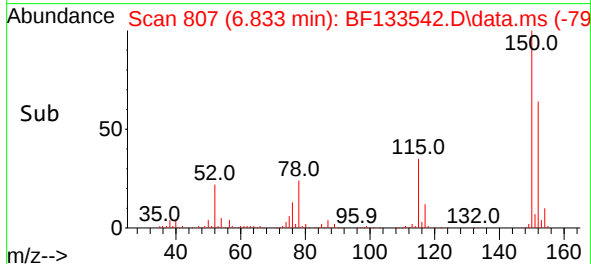
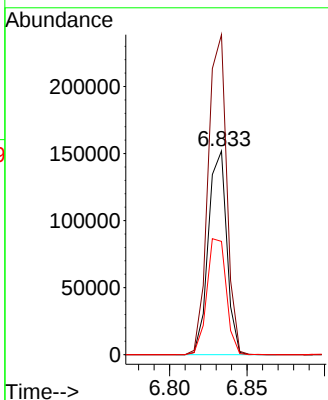
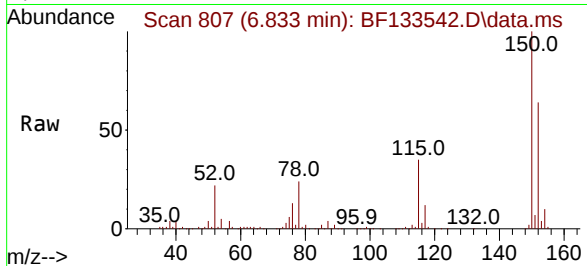




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

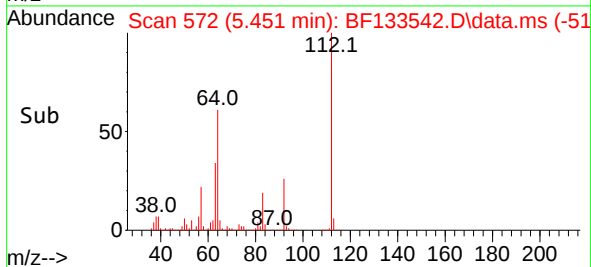
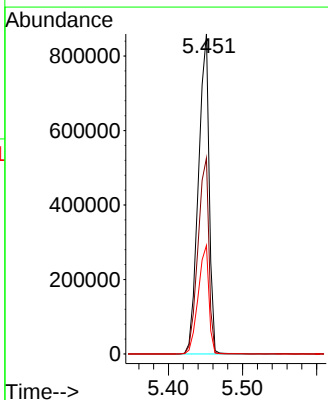
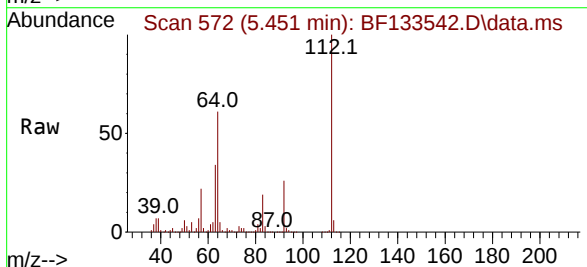
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-TEST-PIT

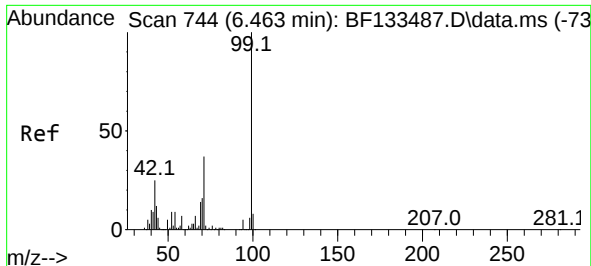
Tgt Ion:152 Resp: 125740
Ion Ratio Lower Upper
152 100
150 157.1 124.9 187.3
115 55.6 48.1 72.1



#5
2-Fluorophenol
Concen: 114.943 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.011 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

Tgt Ion:112 Resp: 866241
Ion Ratio Lower Upper
112 100
64 61.2 50.1 75.1
63 33.9 27.5 41.3

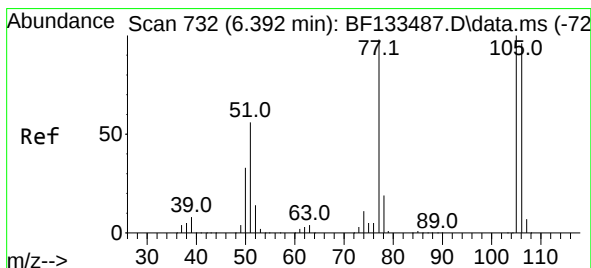
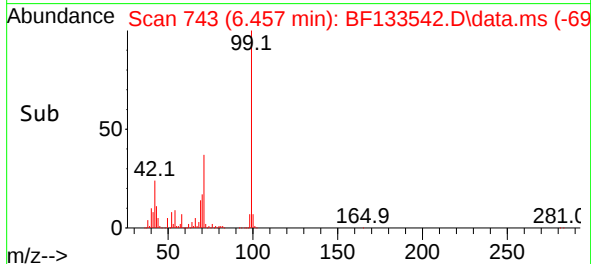
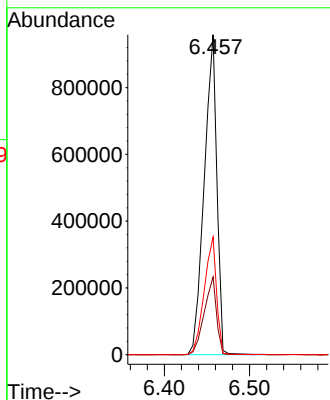
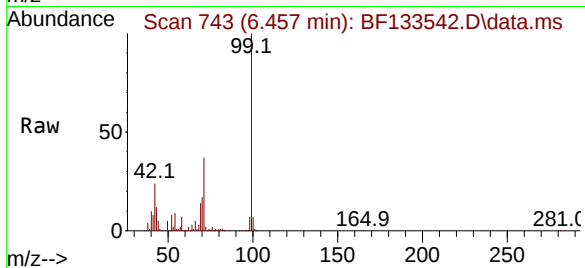




#7
Phenol-d6
Concen: 106.003 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

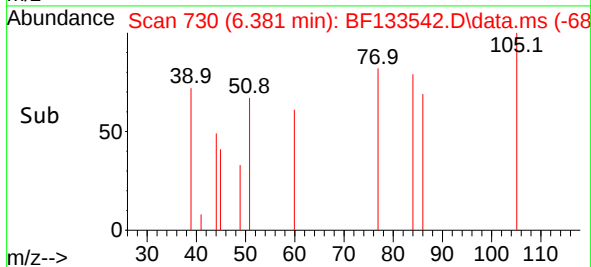
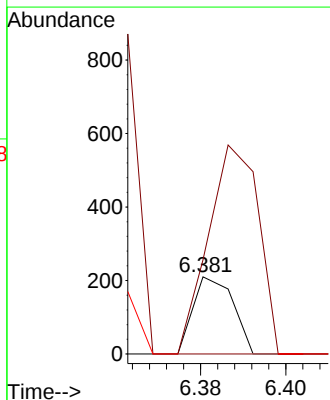
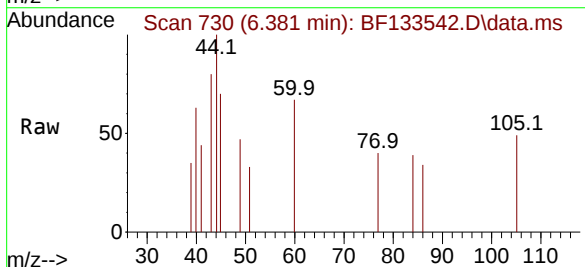
Instrument :
BNA_F
ClientSampleId :
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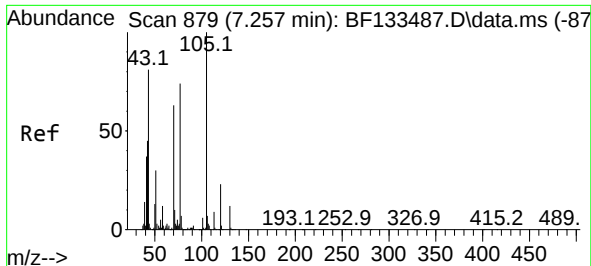
Tgt Ion: 99 Resp: 983410
Ion Ratio Lower Upper
99 100
42 24.3 19.7 29.5
71 36.7 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

Tgt Ion: 77 Resp: 137
Ion Ratio Lower Upper
77 100
105 121.9 81.9 121.9#
106 0.0 77.8 117.8#

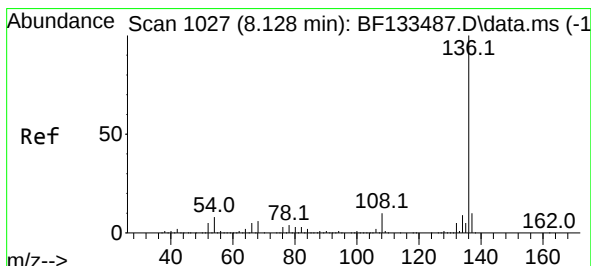
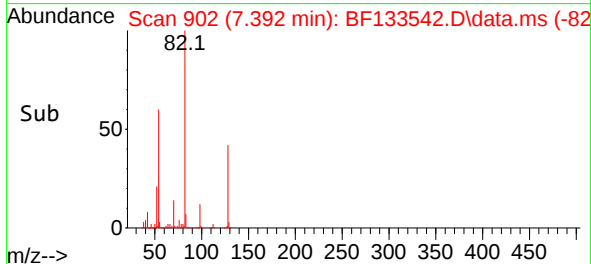
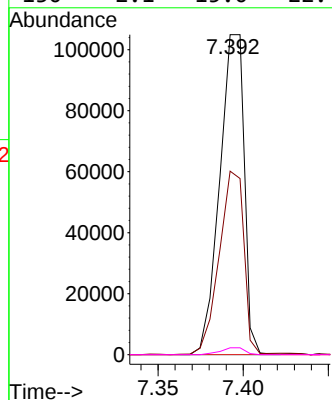
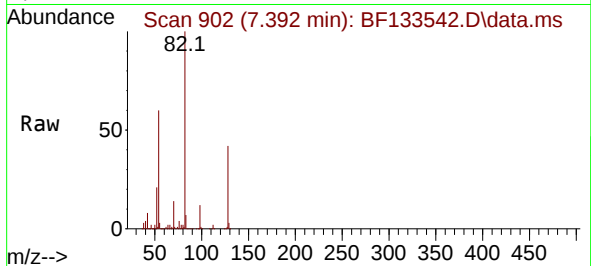




#19
n-Nitroso-di-n-propylamine
Concen: 17.583 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

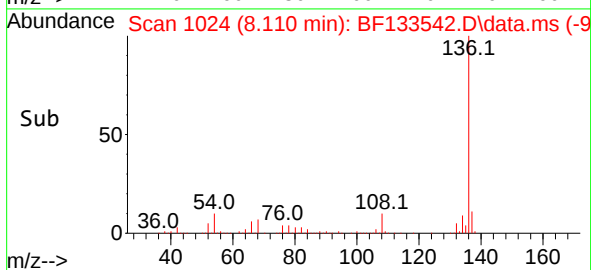
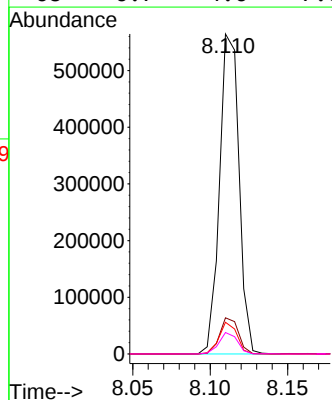
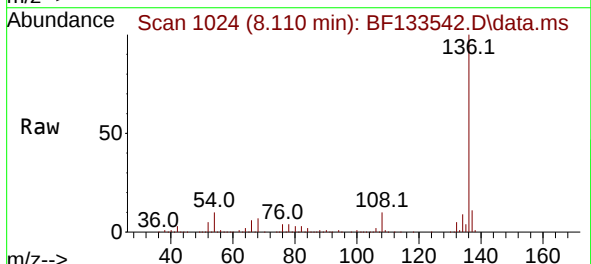
Instrument :
BNA_F
ClientSampleId :
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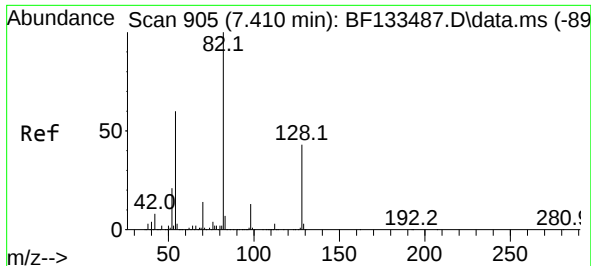
Tgt Ion: 70 Resp: 105539
Ion Ratio Lower Upper
70 100
42 57.3 57.2 85.8
101 0.0 7.3 10.9#
130 2.1 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

Tgt Ion: 136 Resp: 494689
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.4
54 9.9 6.6 10.0
68 6.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 102.635 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133542.D

Acq: 31 May 2023 16:44

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-TEST-PIT

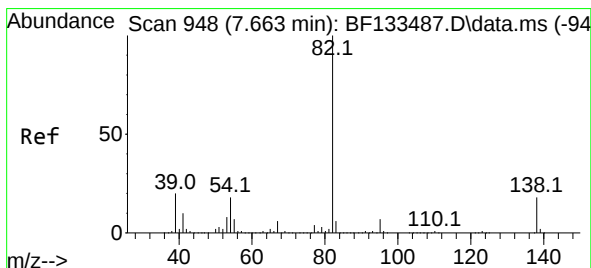
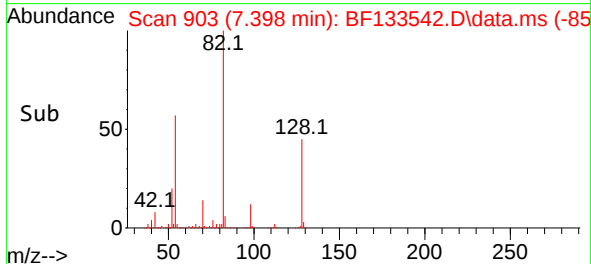
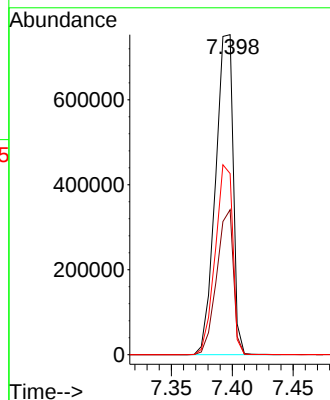
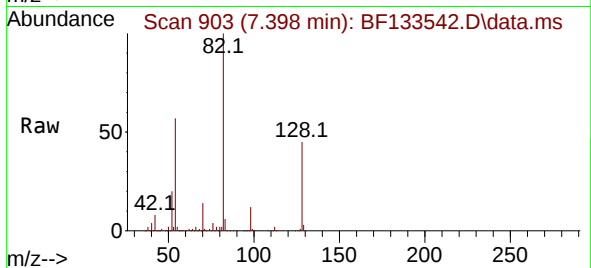
Tgt Ion: 82 Resp: 760421

Ion Ratio Lower Upper

82 100

128 45.3 34.2 51.4

54 56.6 48.2 72.4



#25

Isophorone

Concen: 44.046 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133542.D

Acq: 31 May 2023 16:44

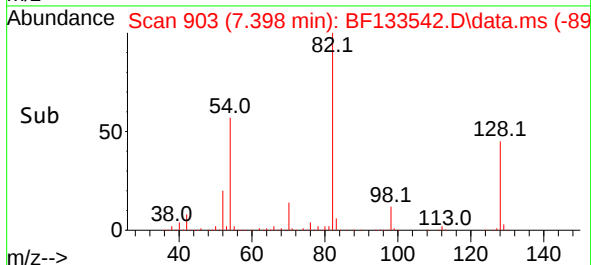
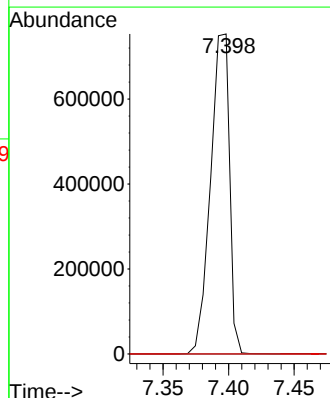
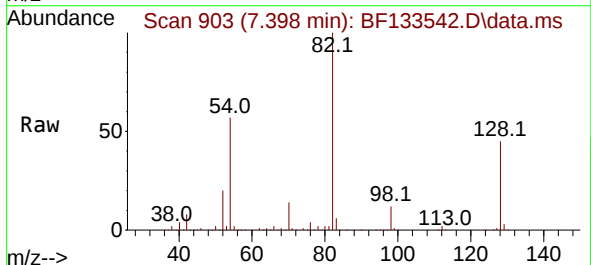
Tgt Ion: 82 Resp: 760563

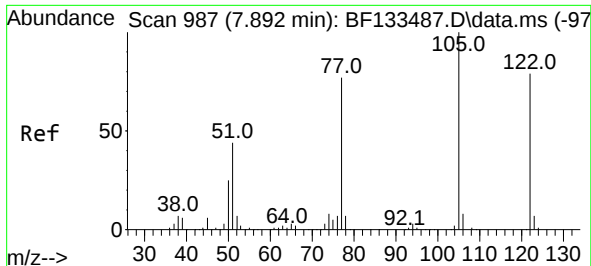
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

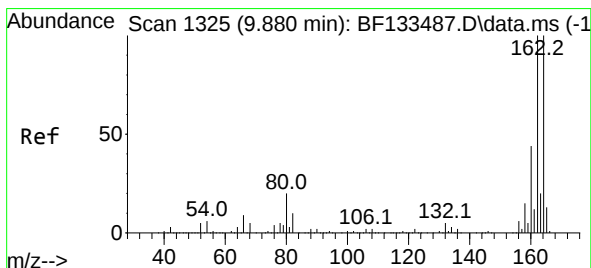
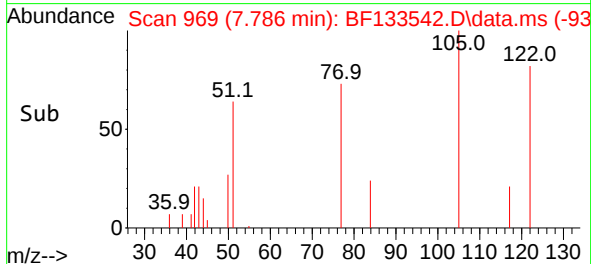
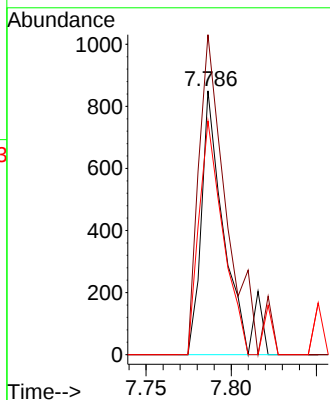
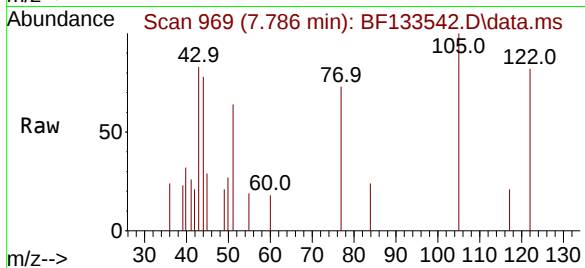




#32
Benzoic acid
Concen: 7.491 ng
RT: 7.786 min Scan# 91
Delta R.T. -0.094 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

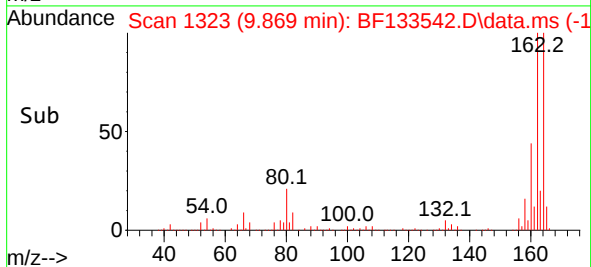
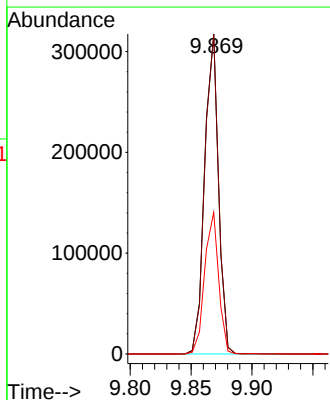
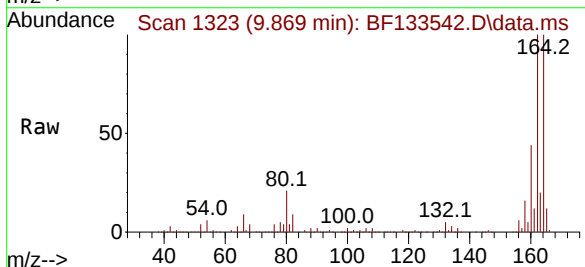
Instrument :
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ClientSampleId :
FOUNDATION-TEST-PIT

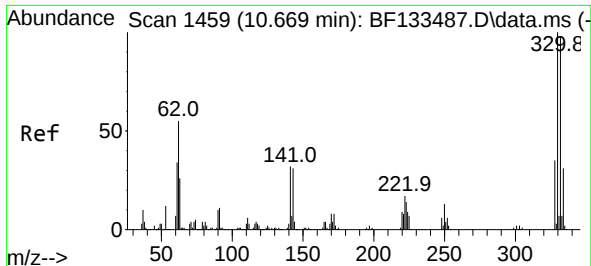
Tgt Ion:122 Resp: 810
Ion Ratio Lower Upper
122 100
105 121.3 103.3 143.3
77 88.6 75.7 115.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

Tgt Ion:164 Resp: 251127
Ion Ratio Lower Upper
164 100
162 100.1 79.7 119.5
160 44.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 145.756 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133542.D

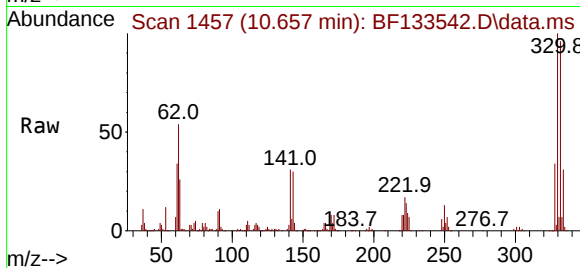
Acq: 31 May 2023 16:44

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-TEST-PIT



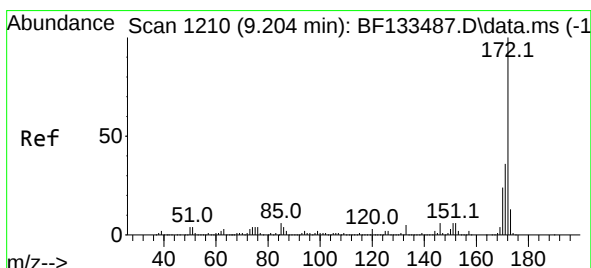
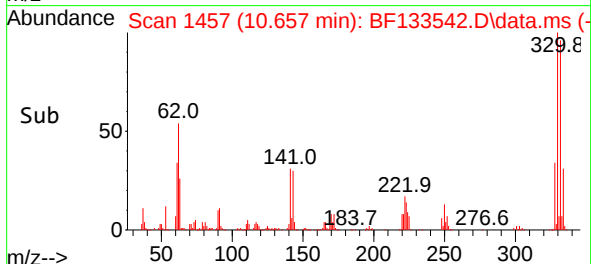
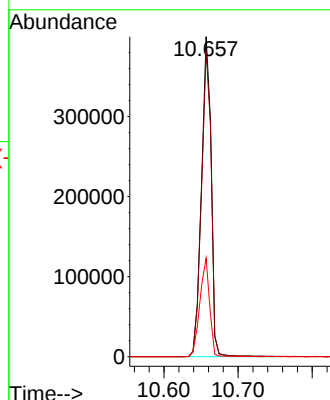
Tgt Ion:330 Resp: 364867

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

141 30.7 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 83.590 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133542.D

Acq: 31 May 2023 16:44

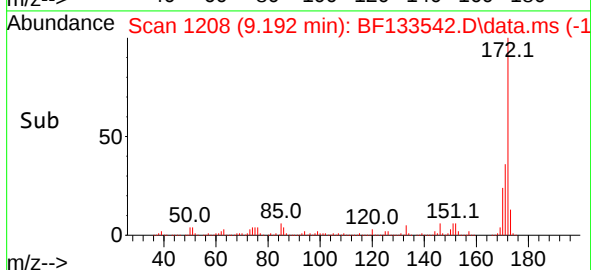
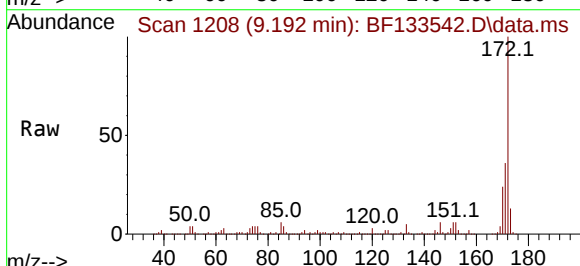
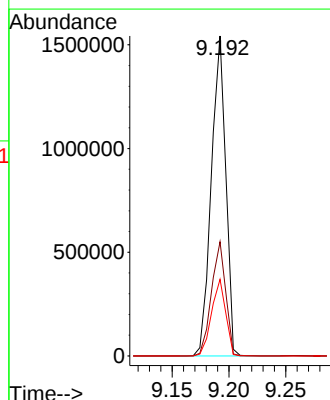
Tgt Ion:172 Resp: 1360068

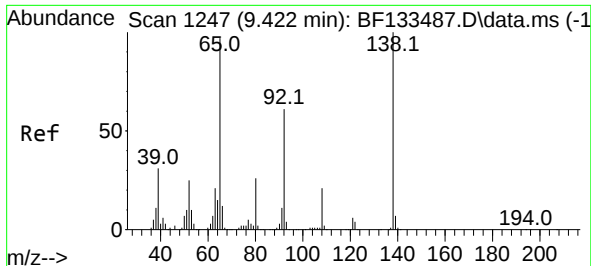
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.9 19.3 28.9

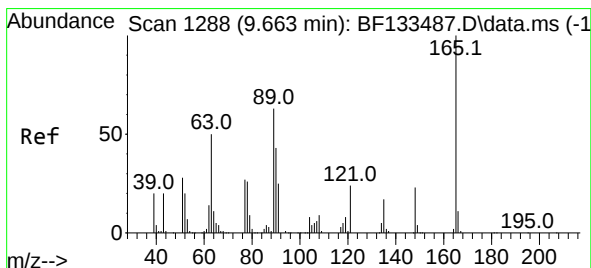
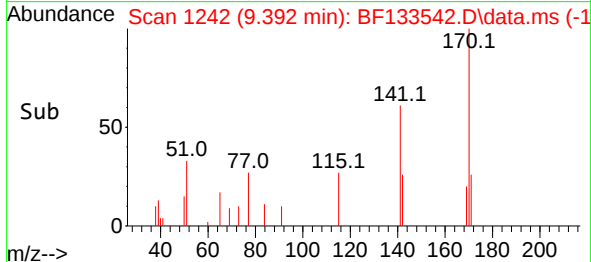
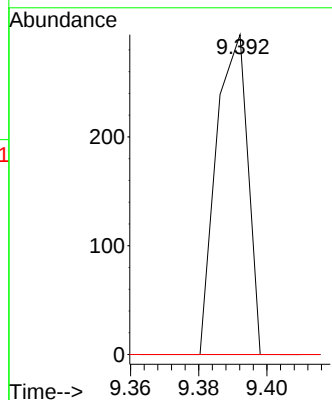
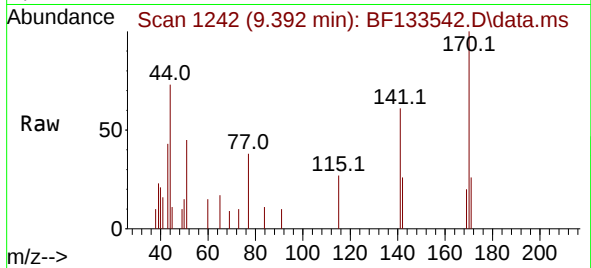




#48
2-Nitroaniline
Concen: 4.027 ng
RT: 9.392 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

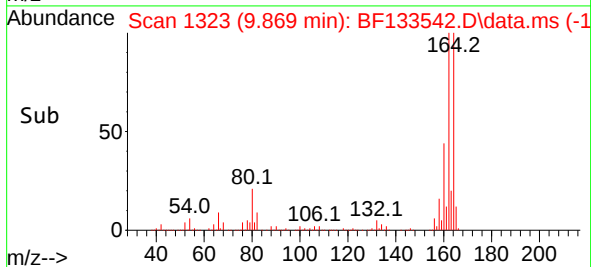
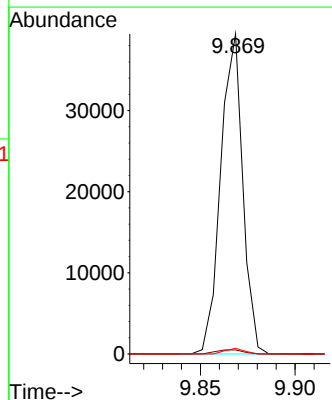
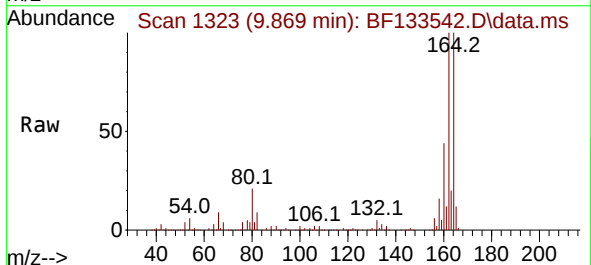
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-TEST-PIT

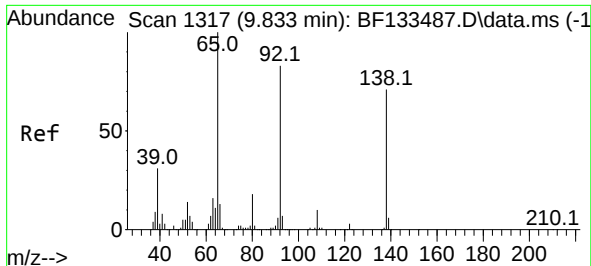
Tgt Ion: 65 Resp: 188
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.461 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.211 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

Tgt Ion: 165 Resp: 31908
Ion Ratio Lower Upper
165 100
63 1.2 57.0 85.4#
89 1.8 50.8 76.2#

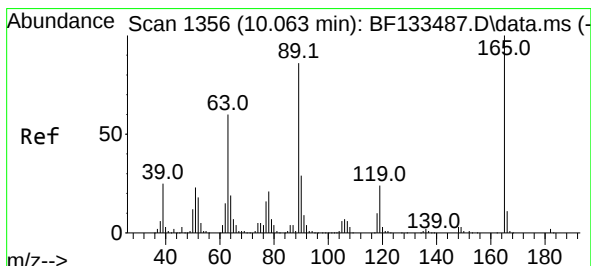
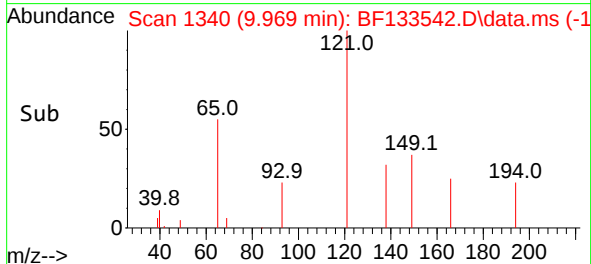
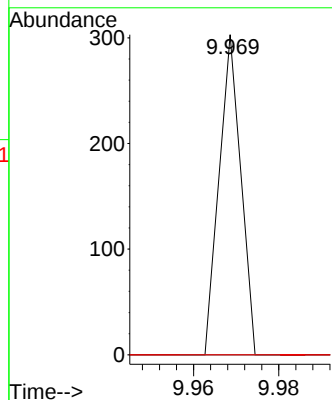
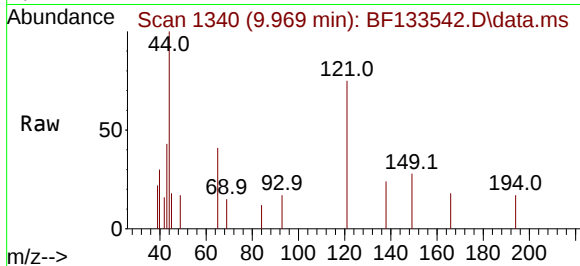




#53
3-Nitroaniline
Concen: 3.204 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.141 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

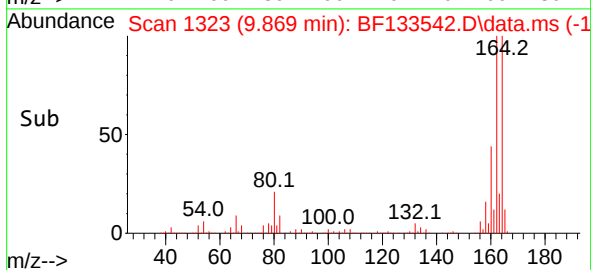
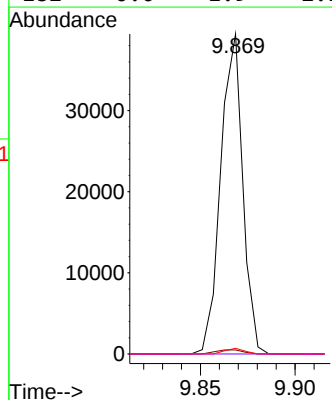
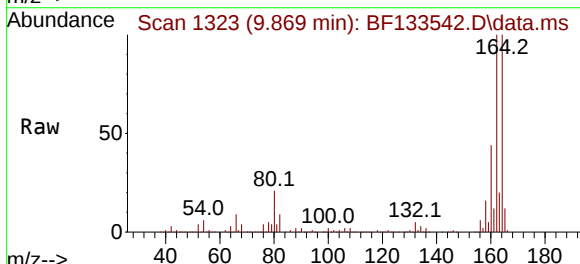
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-TEST-PIT

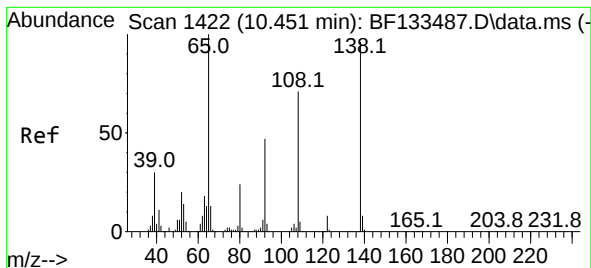
Tgt Ion:138 Resp: 107
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.649 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

Tgt Ion:165 Resp: 31908
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.8 68.4 102.6#
182 0.0 1.9 2.9#

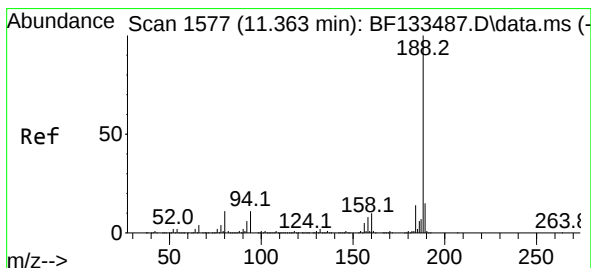
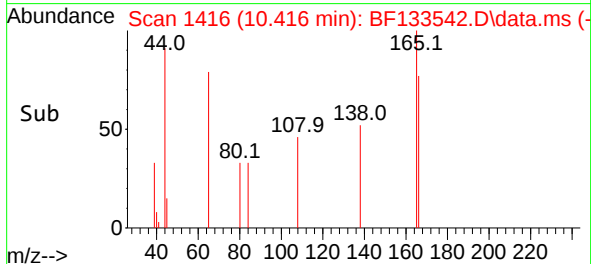
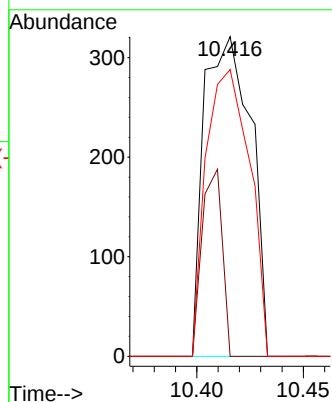
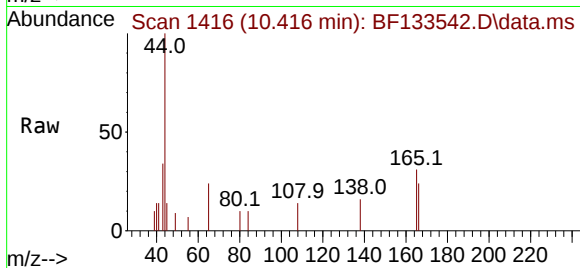




#62
4-Nitroaniline
Concen: 3.093 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.024 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

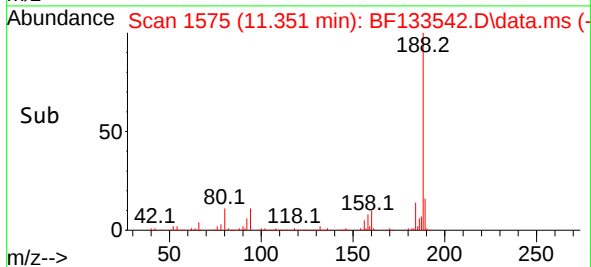
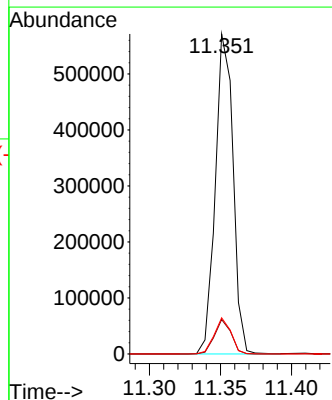
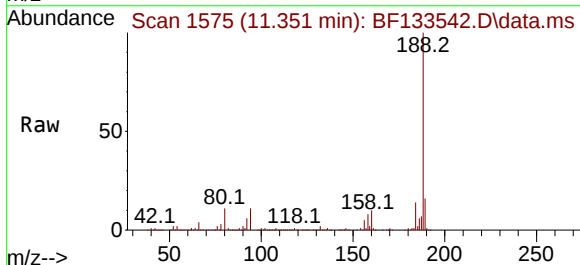
Instrument :
BNA_F
ClientSampleId :
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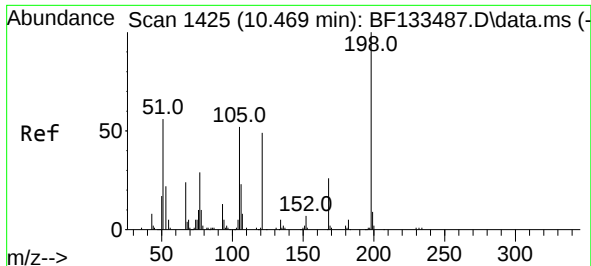
Tgt Ion:138 Resp: 489
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 89.7 54.2 94.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

Tgt Ion:188 Resp: 495155
Ion Ratio Lower Upper
188 100
94 10.7 8.6 12.8
80 11.3 9.2 13.8

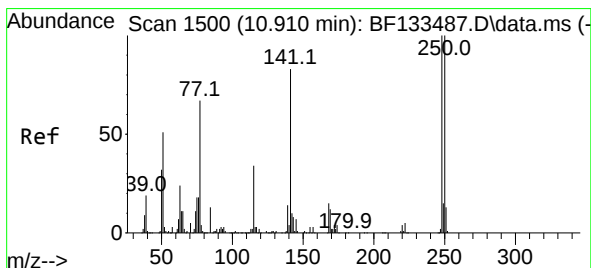
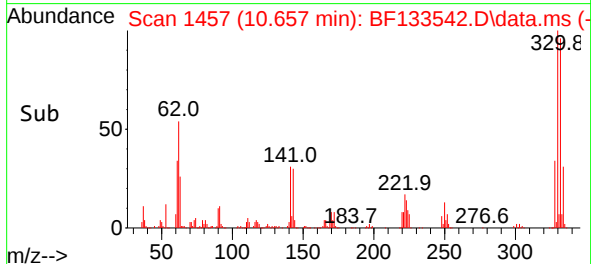
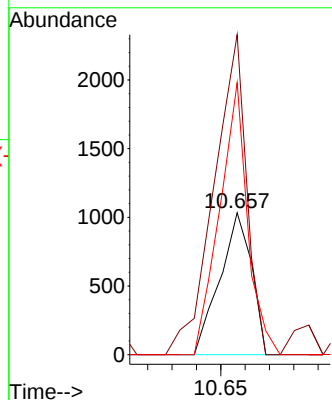
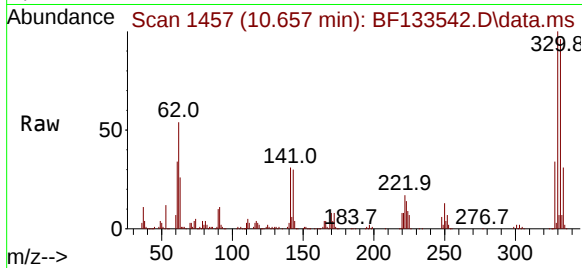




#65
4,6-Dinitro-2-methylphenol
Concen: 9.088 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

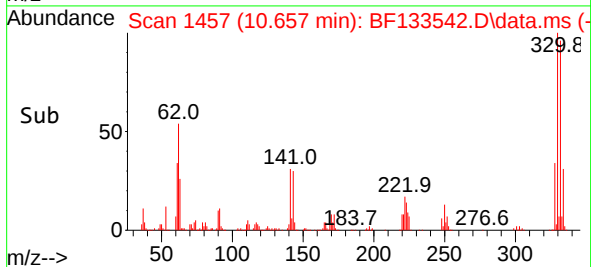
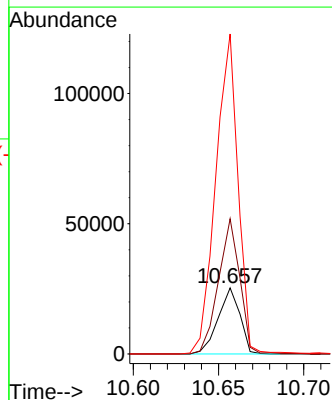
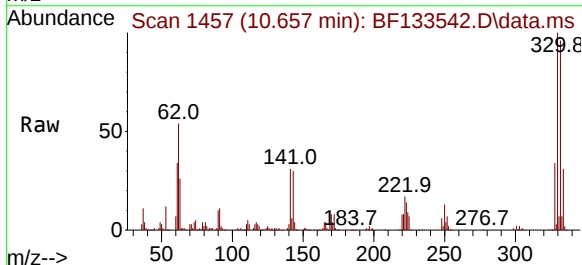
Instrument :
BNA_F
ClientSampleId :
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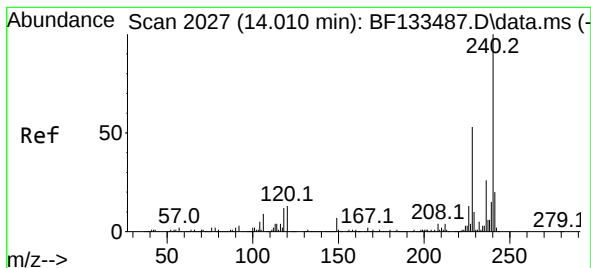
Tgt Ion:198 Resp: 931
Ion Ratio Lower Upper
198 100
51 225.6 53.6 93.6#
105 191.8 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 4.296 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133542.D
Acq: 31 May 2023 16:44

Tgt Ion:248 Resp: 22592
Ion Ratio Lower Upper
248 100
250 204.8 79.7 119.5#
141 484.5 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133542.D

Acq: 31 May 2023 16:44

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-TEST-PIT

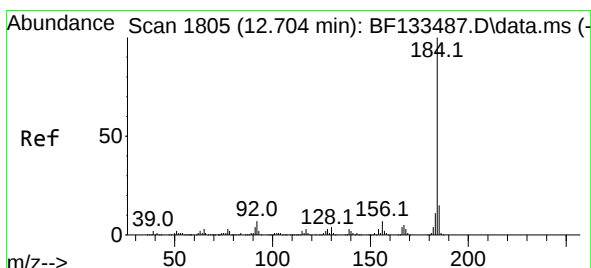
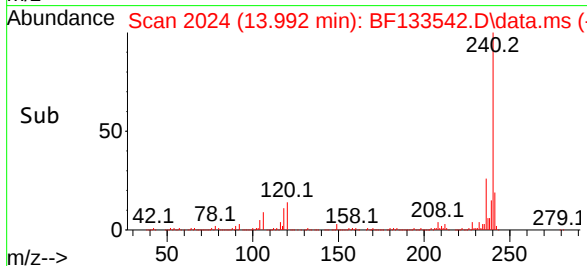
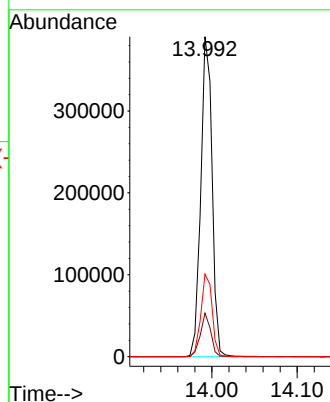
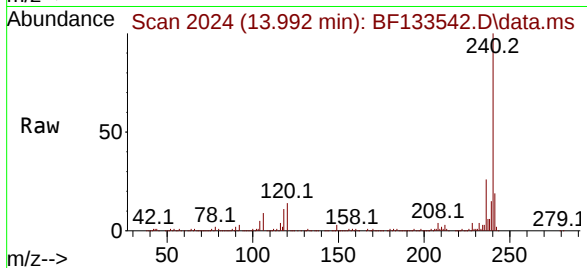
Tgt Ion:240 Resp: 359961

Ion Ratio Lower Upper

240 100

120 13.6 10.3 15.5

236 25.8 20.5 30.7



#77

Benzdine

Concen: 2.312 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF133542.D

Acq: 31 May 2023 16:44

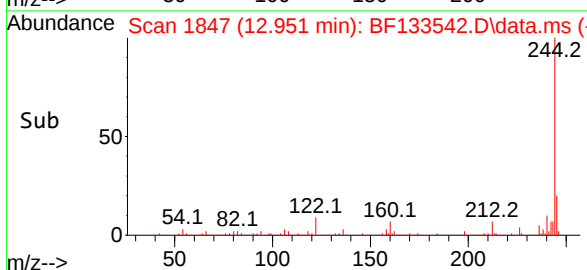
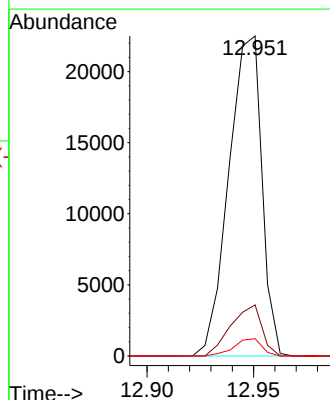
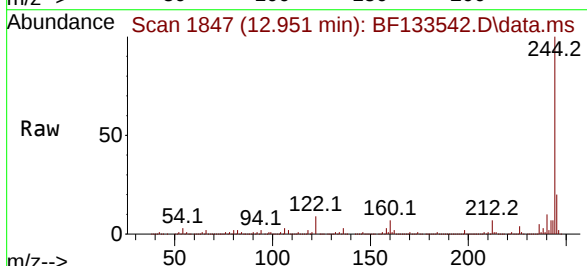
Tgt Ion:184 Resp: 24338

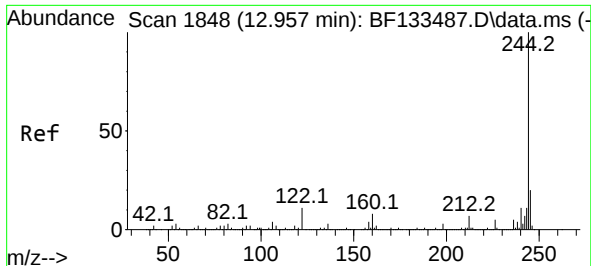
Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.2

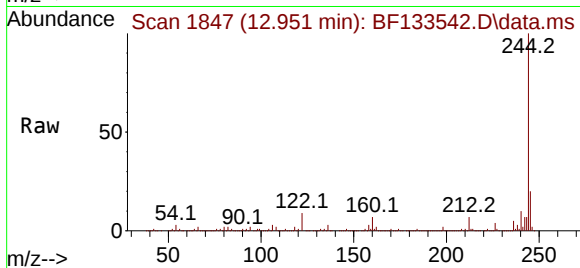
183 5.4 8.7 13.1#



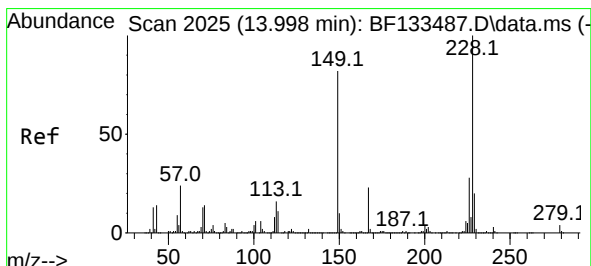
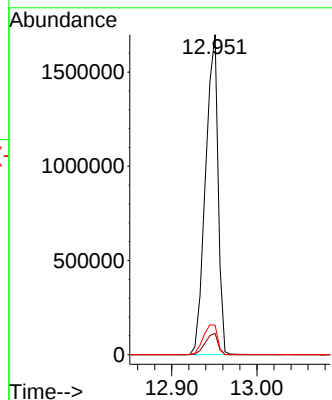
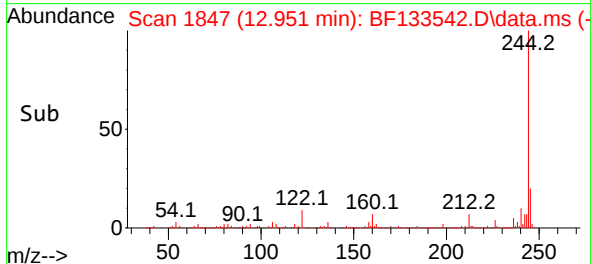


#79
 Terphenyl-d14
 Concen: 85.499 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133542.D
 Acq: 31 May 2023 16:44

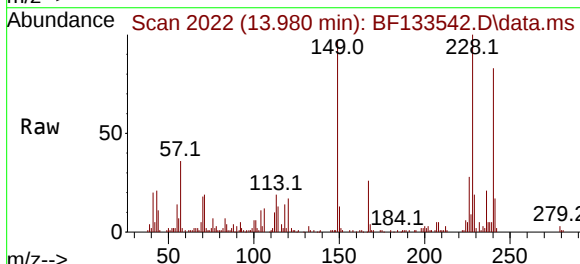
Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-TEST-PIT



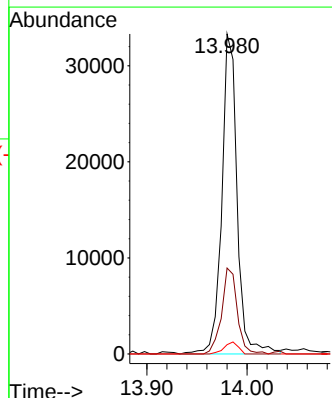
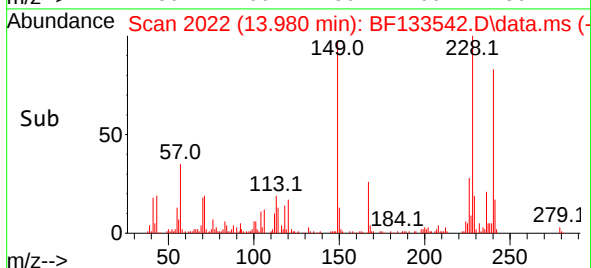
Tgt Ion:244 Resp: 1730961
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 9.3 8.5 12.7

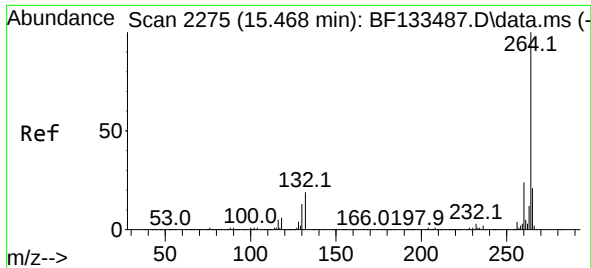


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.328 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF133542.D
 Acq: 31 May 2023 16:44



Tgt Ion:149 Resp: 35264
 Ion Ratio Lower Upper
 149 100
 167 26.8 22.0 33.0
 279 2.9 3.6 5.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133542.D
 Acq: 31 May 2023 16:44

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-TEST-PIT

Tgt Ion:264 Resp: 293063
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 21.5 16.8 25.2

