

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133548.D
 Acq On : 31 May 2023 19:58
 Operator : CG\JU
 Sample : 02979-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR044-VNJ224

Quant Time: Jun 01 02:04:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

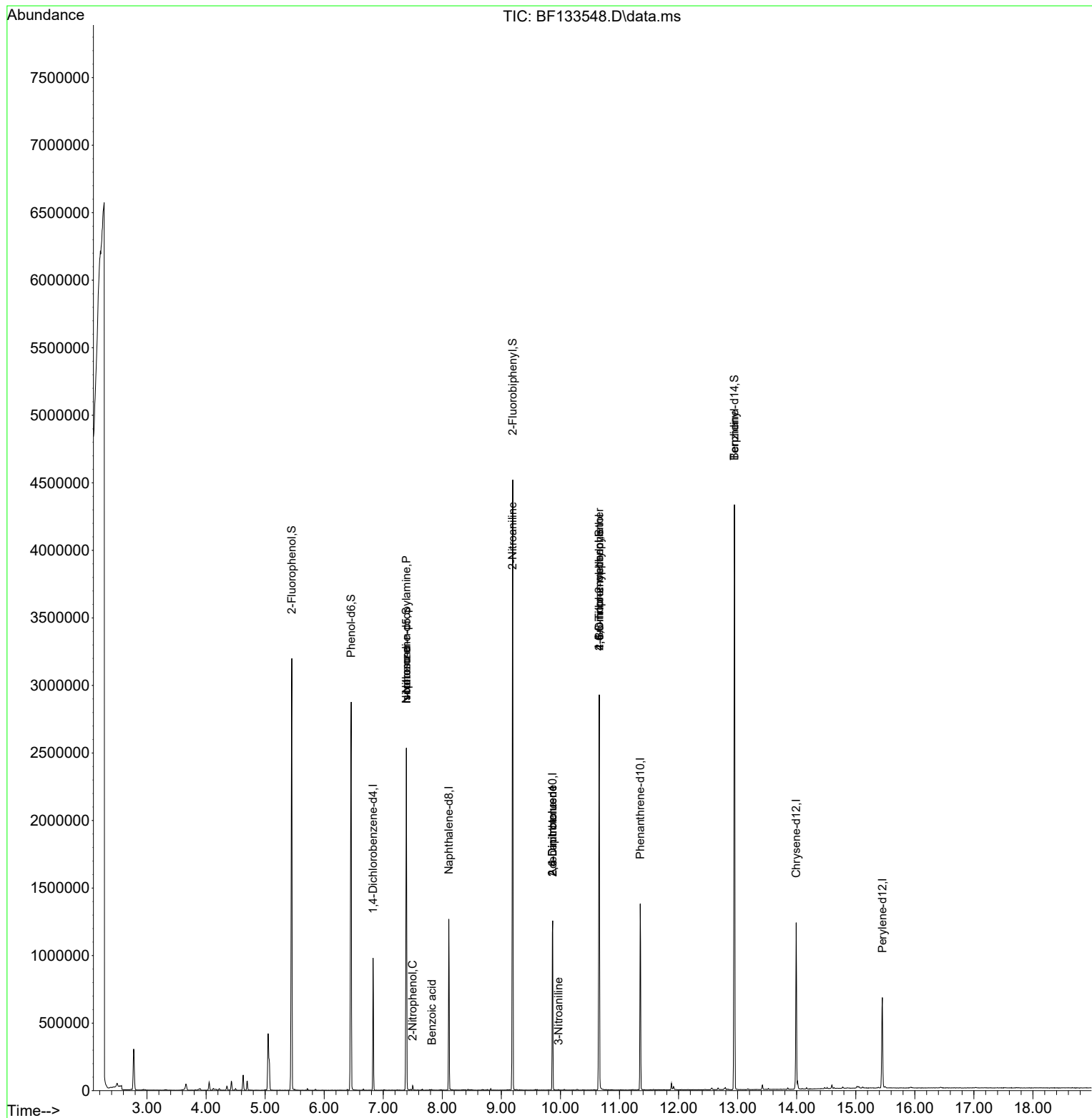
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	128641	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	495485	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	240973	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	491728	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	377710	20.000	ng	-0.01
86) Perylene-d12	15.451	264	294494	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	873611	113.307	ng	0.01
7) Phenol-d6	6.457	99	973421	102.560	ng	0.00
23) Nitrobenzene-d5	7.392	82	740647	99.805	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	348539	145.100	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1325105	84.873	ng	0.00
79) Terphenyl-d14	12.945	244	1688991	79.505	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	54	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	102695	16.723	ng	# 77
25) Isophorone	7.392	82	740777	42.832	ng	# 65
26) 2-Nitrophenol	7.498	139	199	4.791	ng	# 33
32) Benzoic acid	7.822	122	156	7.376	ng	# 37
48) 2-Nitroaniline	9.186	65	2421	4.478	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	30647	12.469	ng	# 18
53) 3-Nitroaniline	9.969	138	145	3.213	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	30647	11.656	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	724	9.006	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	21354	4.089	ng	# 1
77) Benzidine	12.945	184	23736	2.149	ng	# 93

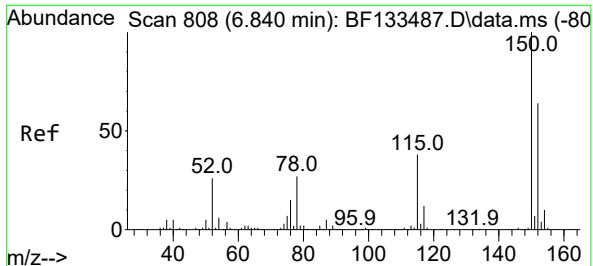
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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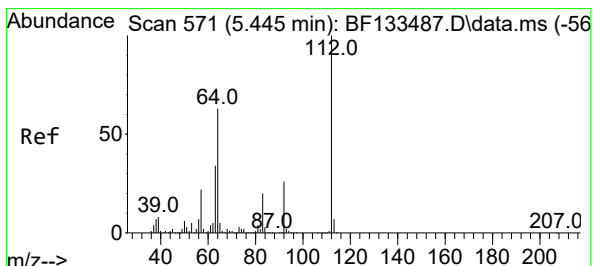
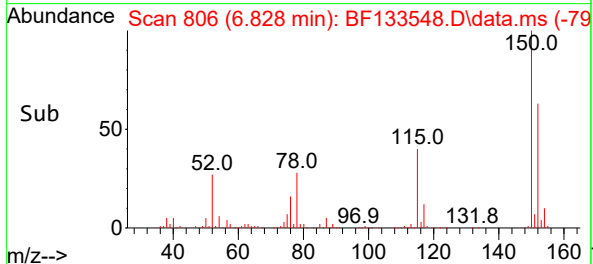
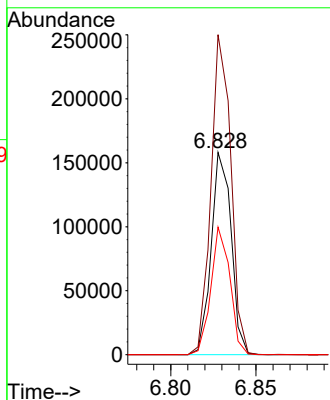
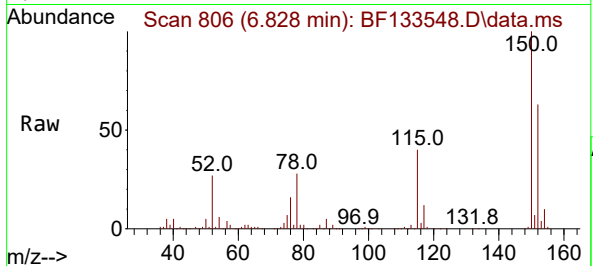




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

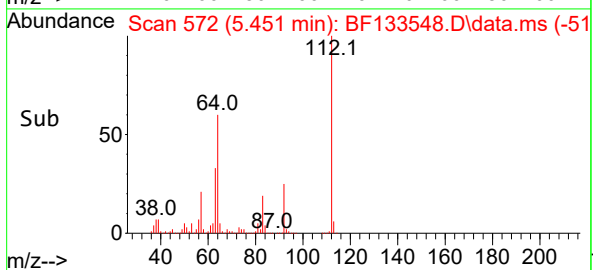
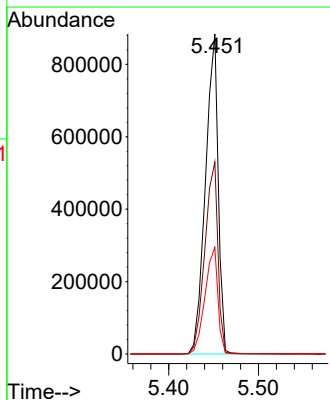
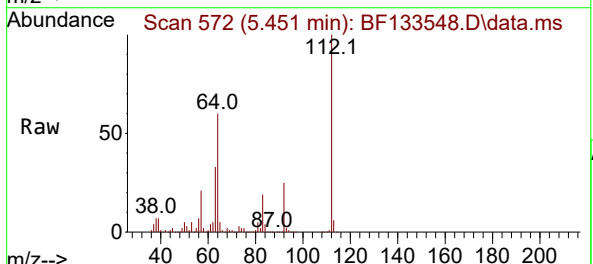
Instrument :
BNA_F
ClientSampleId :
RBR044-VNJ224

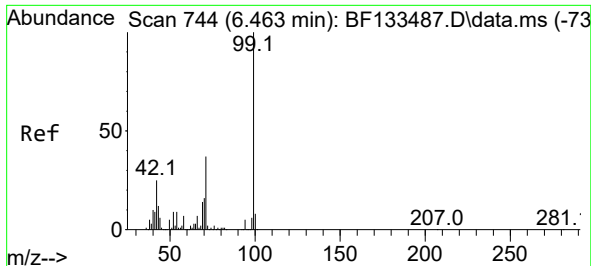
Tgt Ion:152 Resp: 128641
Ion Ratio Lower Upper
152 100
150 158.3 124.9 187.3
115 63.1 48.1 72.1



#5
2-Fluorophenol
Concen: 113.307 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.012 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

Tgt Ion:112 Resp: 873611
Ion Ratio Lower Upper
112 100
64 60.0 50.1 75.1
63 33.3 27.5 41.3

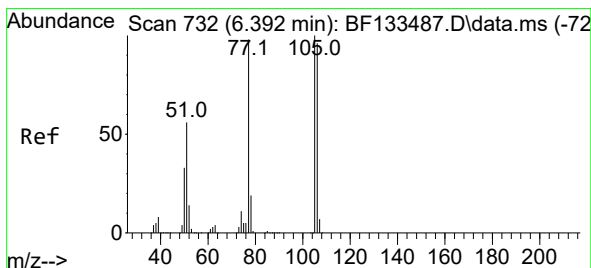
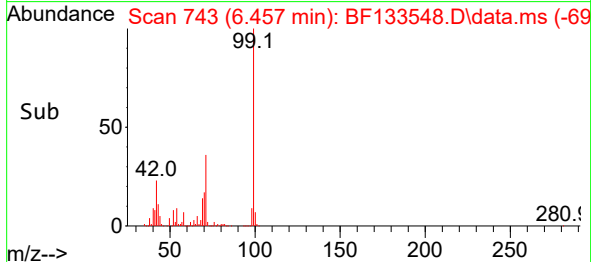
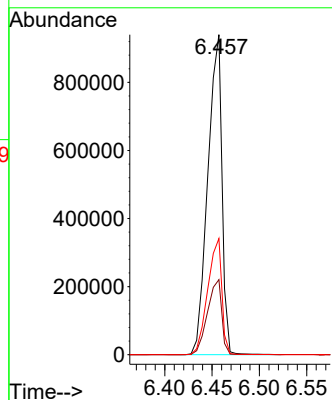
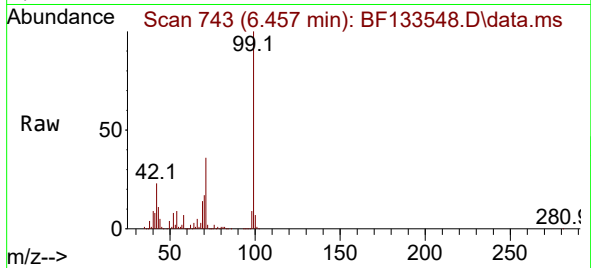




#7
Phenol-d6
Concen: 102.560 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

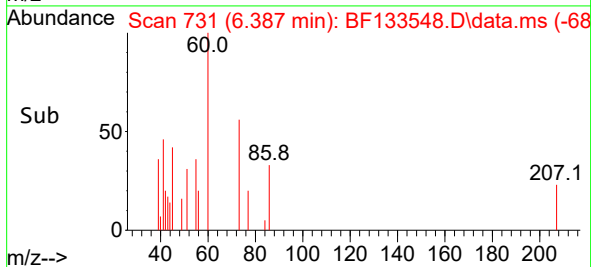
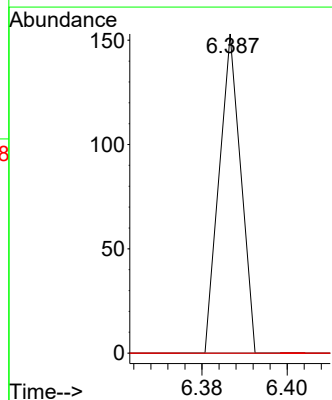
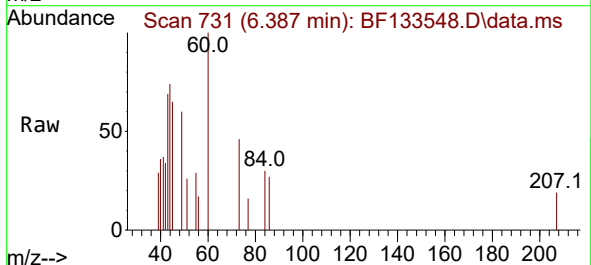
Instrument :
BNA_F
ClientSampleId :
RBR044-VNJ224

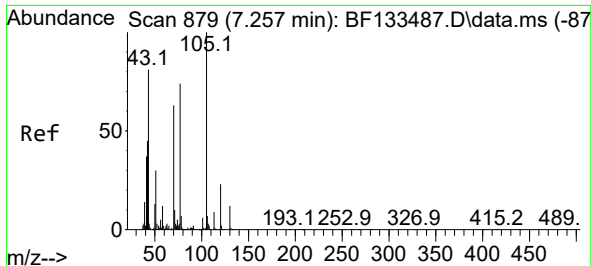
Tgt Ion: 99 Resp: 973421
Ion Ratio Lower Upper
99 100
42 23.5 19.7 29.5
71 36.3 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

Tgt Ion: 77 Resp: 54
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

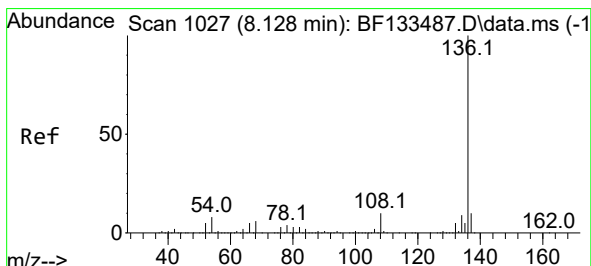
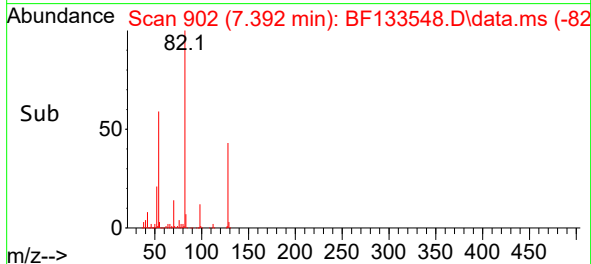
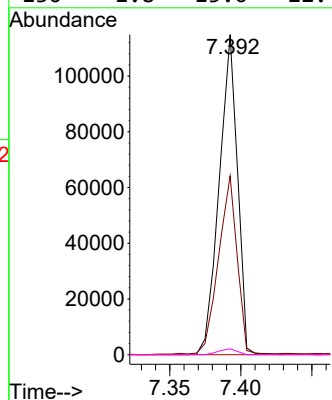
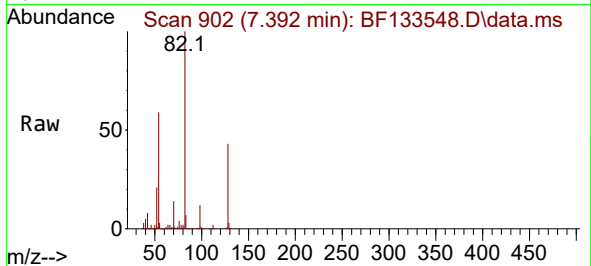




#19
n-Nitroso-di-n-propylamine
Concen: 16.723 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

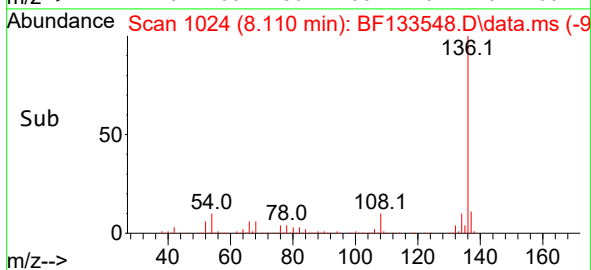
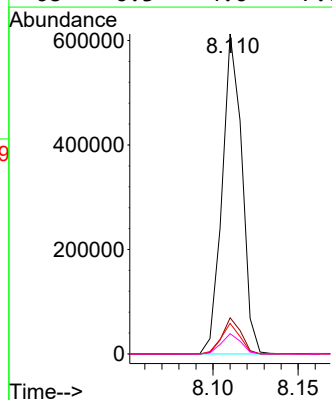
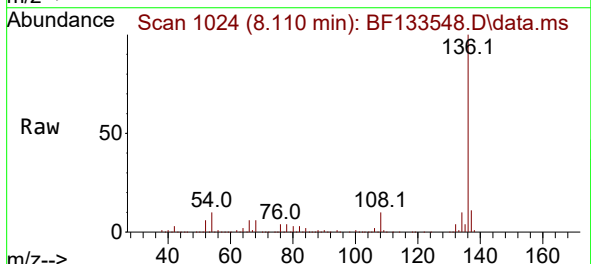
Instrument :
BNA_F
ClientSampleId :
RBR044-VNJ224

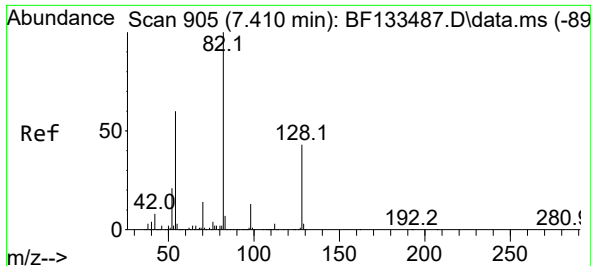
Tgt Ion: 70 Resp: 102695
Ion Ratio Lower Upper
70 100
42 55.9 57.2 85.8#
101 0.0 7.3 10.9#
130 1.8 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

Tgt Ion: 136 Resp: 495485
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.4
54 9.6 6.6 10.0
68 6.3 4.6 7.0





#23

Nitrobenzene-d5

Concen: 99.805 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

Instrument :

BNA_F

ClientSampleId :

RBR044-VNJ224

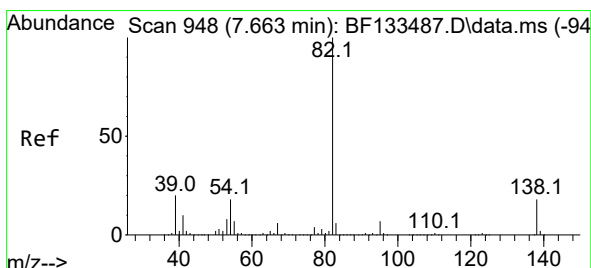
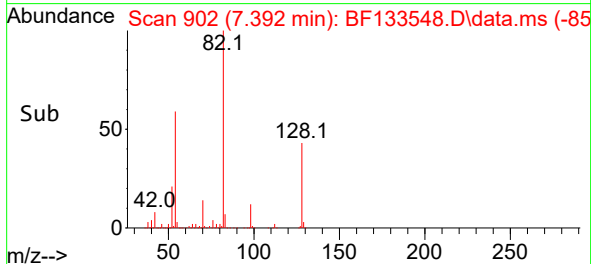
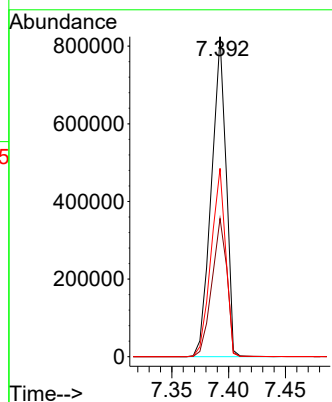
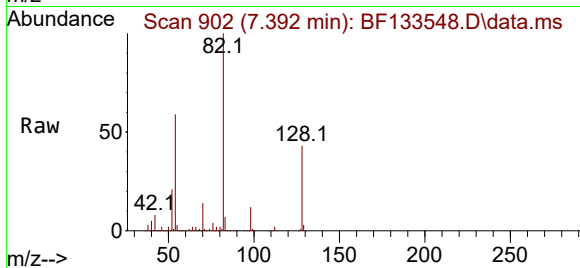
Tgt Ion: 82 Resp: 740647

Ion Ratio Lower Upper

82 100

128 43.2 34.2 51.4

54 58.8 48.2 72.4



#25

Isophorone

Concen: 42.832 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

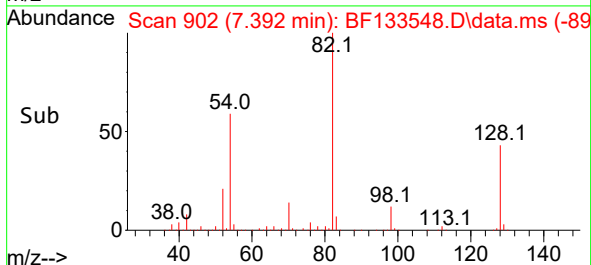
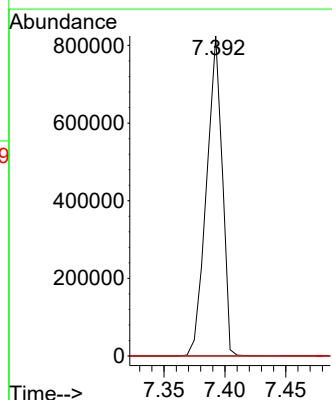
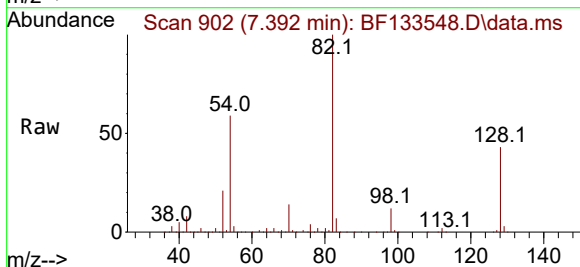
Tgt Ion: 82 Resp: 740777

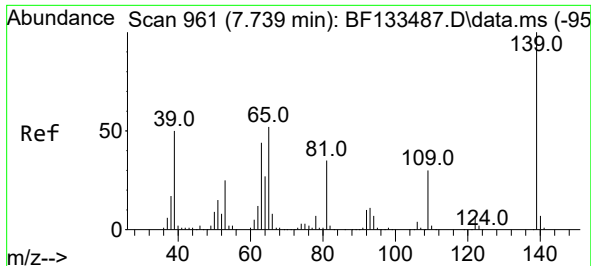
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

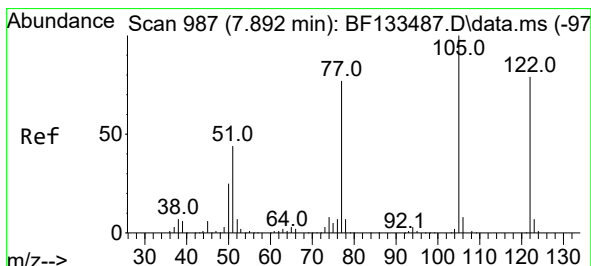
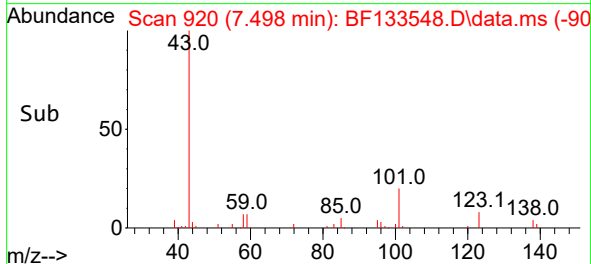
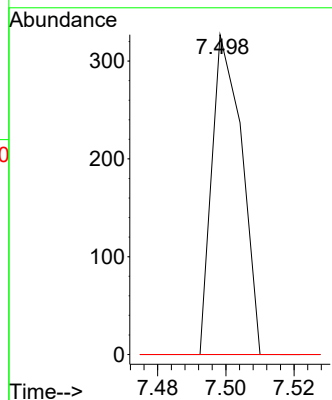
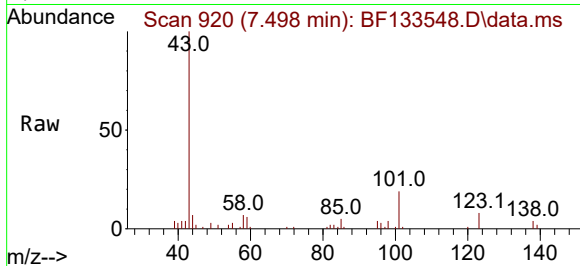




#26
2-Nitrophenol
Concen: 4.791 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.235 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

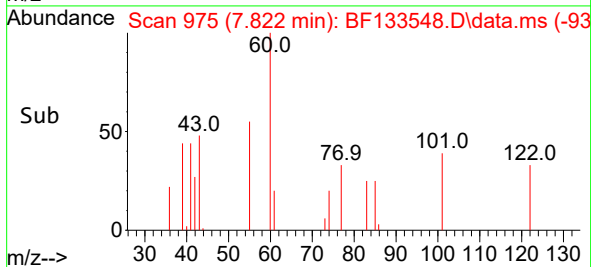
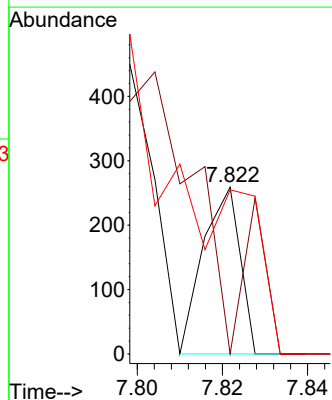
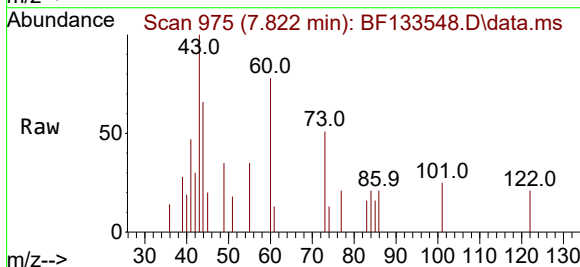
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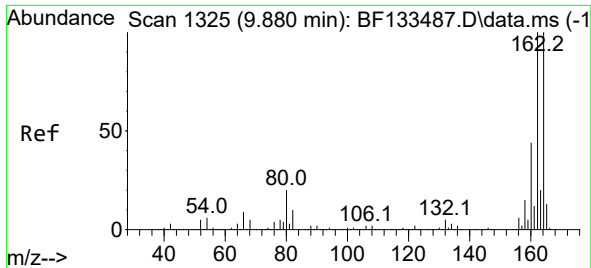
Tgt Ion:139 Resp: 199
Ion Ratio Lower Upper
139 100
109 0.0 24.0 36.0#
65 0.0 41.7 62.5#



#32
Benzoic acid
Concen: 7.376 ng
RT: 7.822 min Scan# 975
Delta R.T. -0.059 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

Tgt Ion:122 Resp: 156
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 98.5 75.7 115.7

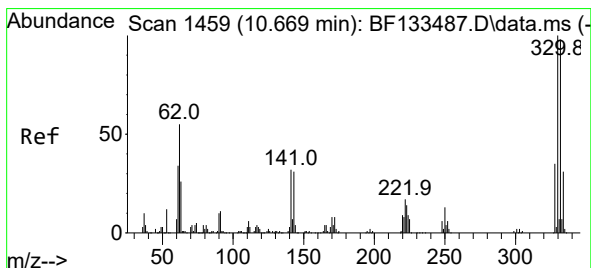
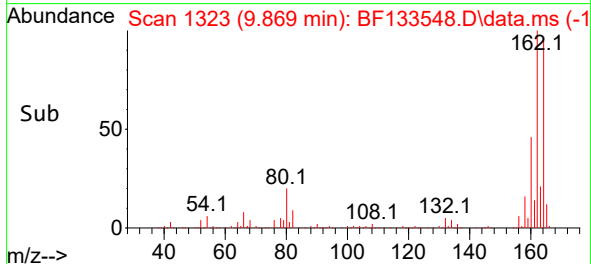
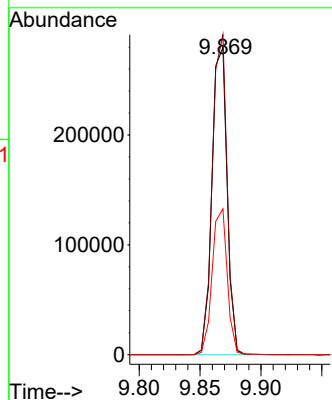
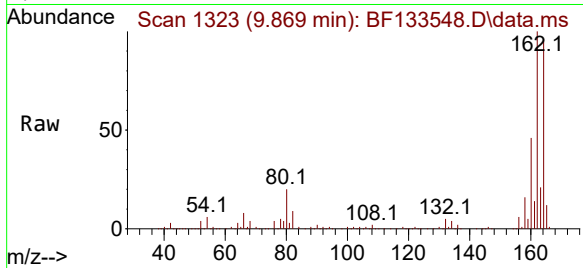




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

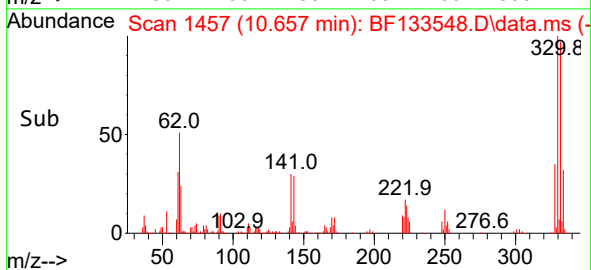
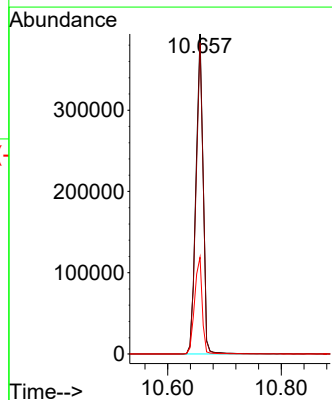
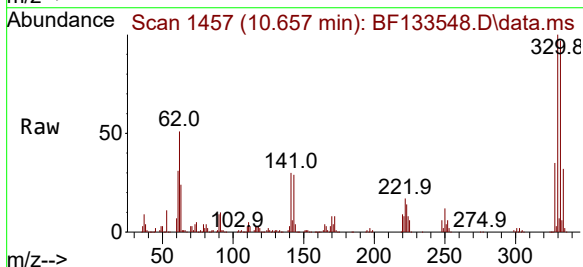
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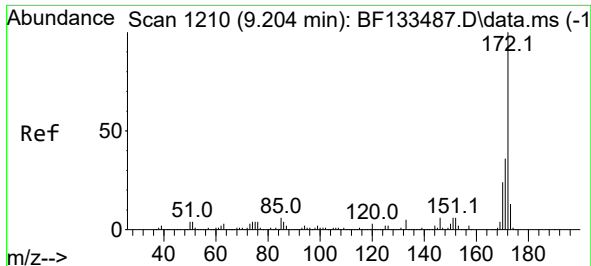
Tgt Ion:164 Resp: 240973
Ion Ratio Lower Upper
164 100
162 104.2 79.7 119.5
160 47.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 145.100 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

Tgt Ion:330 Resp: 348539
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.6
141 31.8 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 84.873 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

Instrument :

BNA_F

ClientSampleId :

RBR044-VNJ224

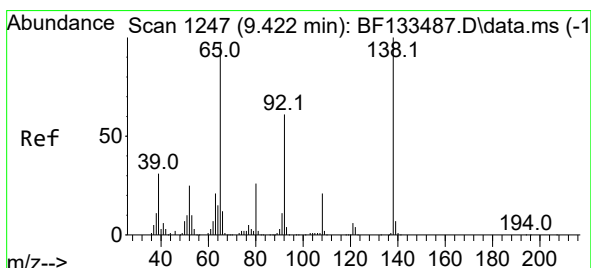
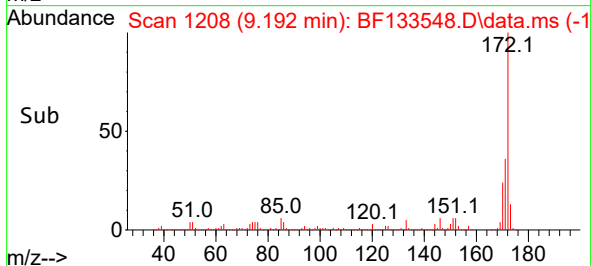
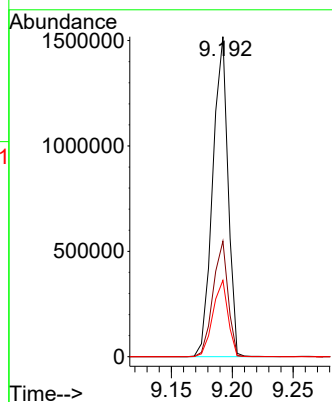
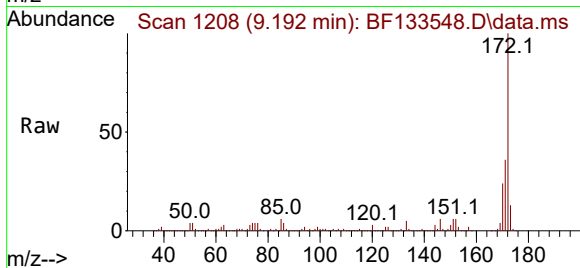
Tgt Ion:172 Resp: 1325105

Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 23.8 19.3 28.9



#48

2-Nitroaniline

Concen: 4.478 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.230 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

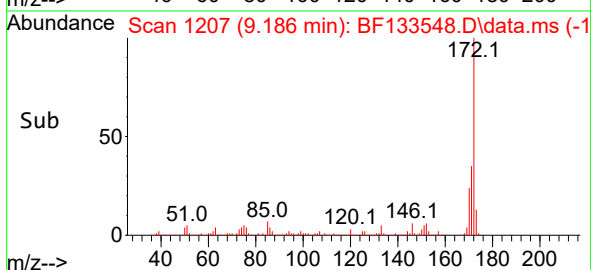
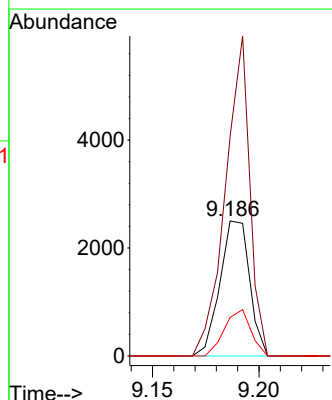
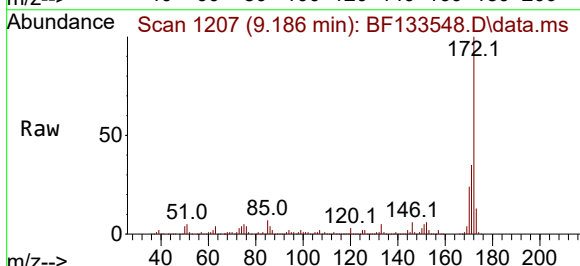
Tgt Ion: 65 Resp: 2421

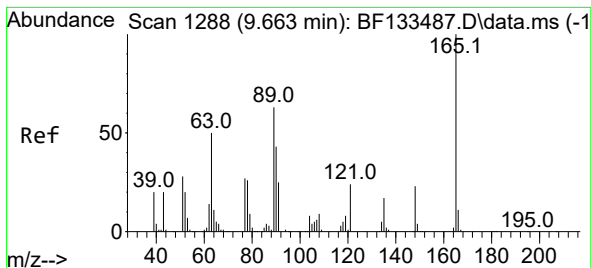
Ion Ratio Lower Upper

65 100

92 162.7 50.8 76.2#

138 28.5 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.469 ng

RT: 9.869 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

Instrument :

BNA_F

ClientSampleId :

RBR044-VNJ224

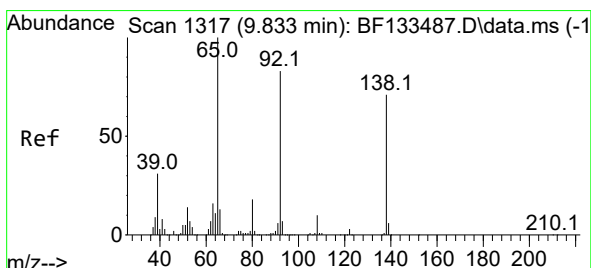
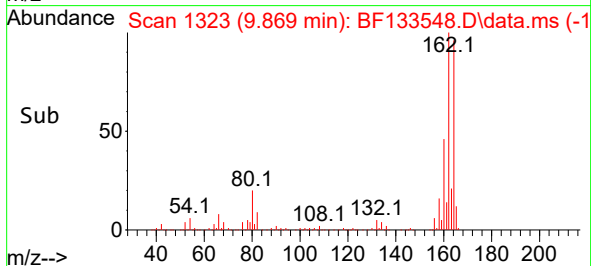
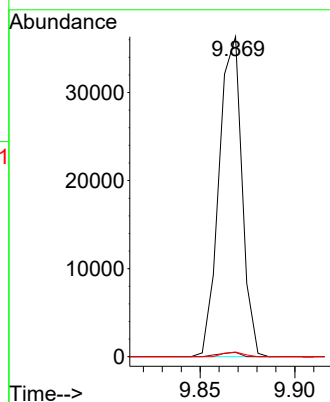
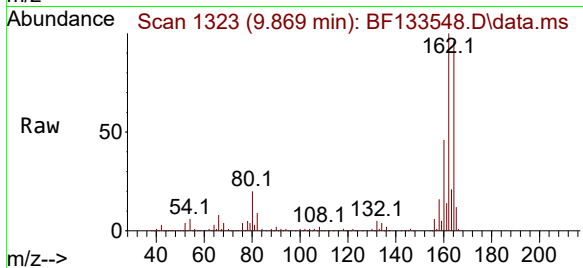
Tgt Ion:165 Resp: 30647

Ion Ratio Lower Upper

165 100

63 1.4 57.0 85.4#

89 1.4 50.8 76.2#



#53

3-Nitroaniline

Concen: 3.213 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.141 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

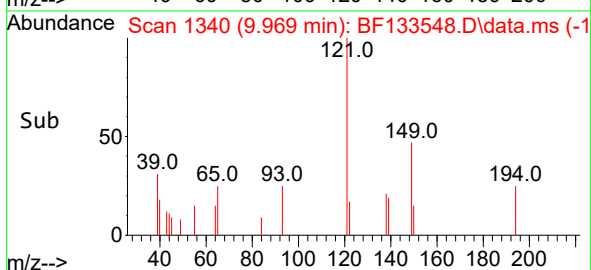
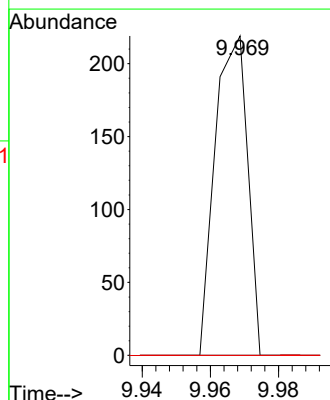
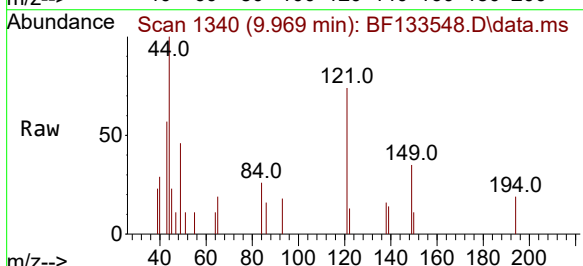
Tgt Ion:138 Resp: 145

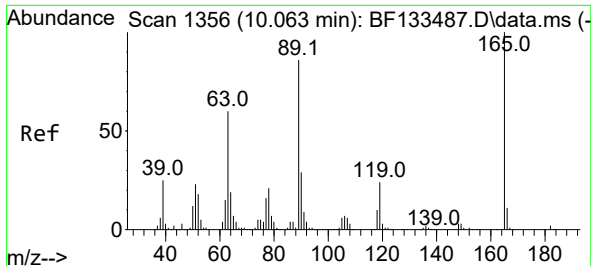
Ion Ratio Lower Upper

138 100

108 0.0 11.9 17.9#

92 0.0 93.1 139.7#

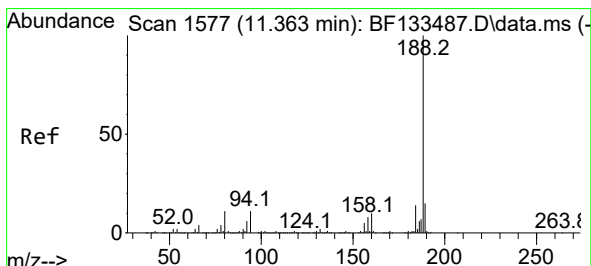
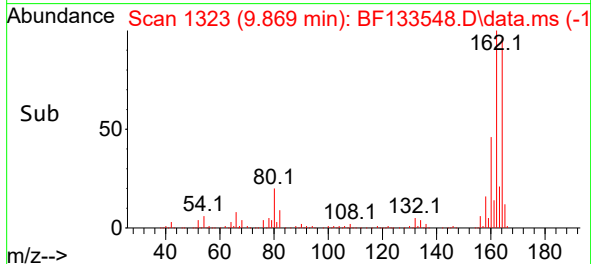
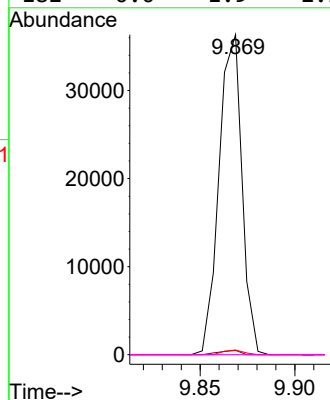
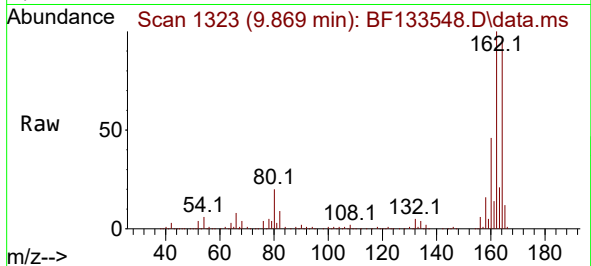




#57
2,4-Dinitrotoluene
Concen: 11.656 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

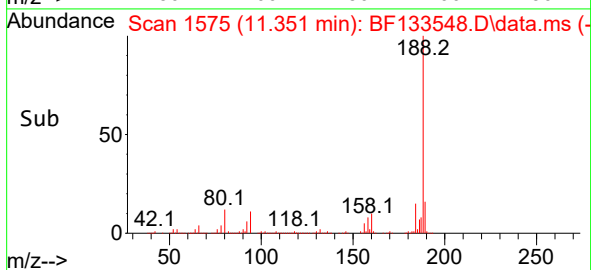
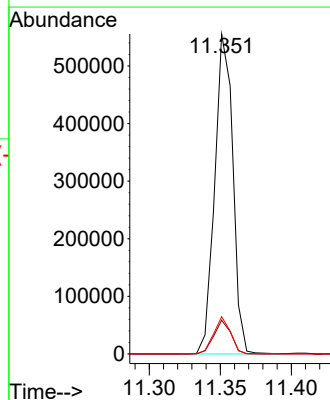
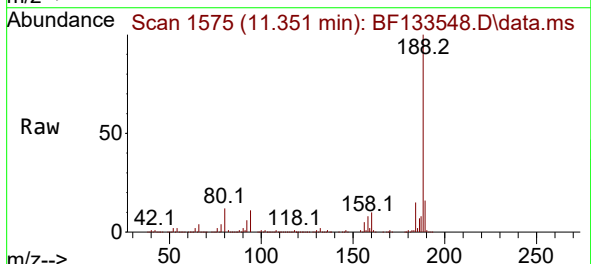
Instrument :
BNA_F
ClientSampleId :
RBR044-VNJ224

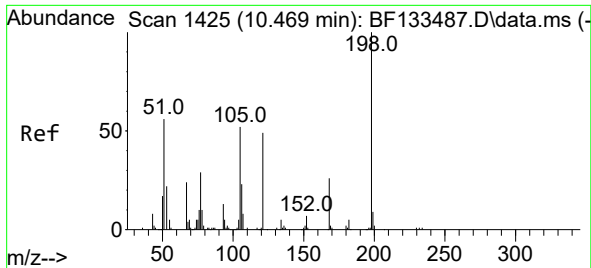
Tgt Ion:165 Resp: 30647
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 1.4 68.4 102.6#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

Tgt Ion:188 Resp: 491728
Ion Ratio Lower Upper
188 100
94 10.5 8.6 12.8
80 11.7 9.2 13.8

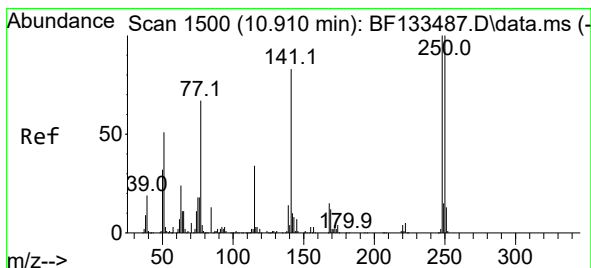
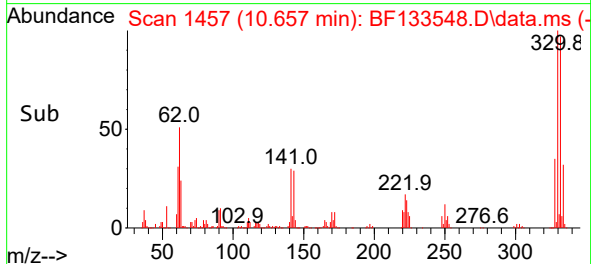
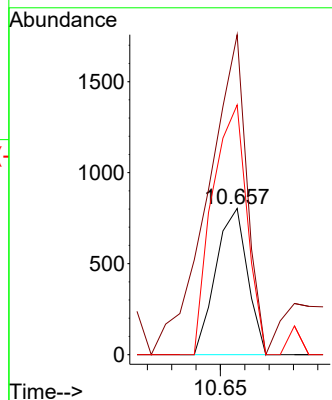
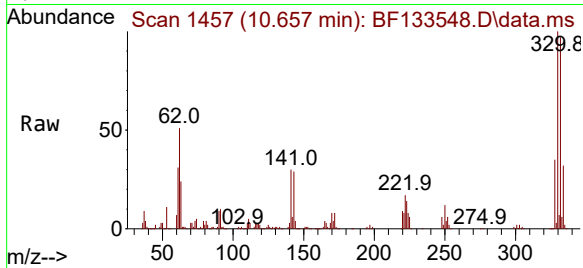




#65
4,6-Dinitro-2-methylphenol
Concen: 9.006 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

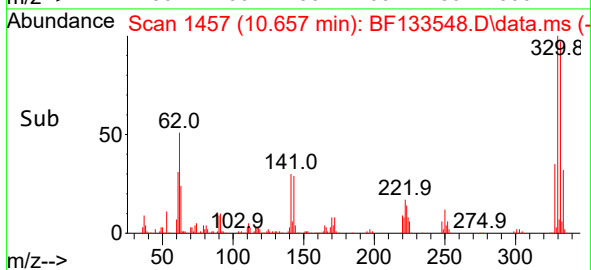
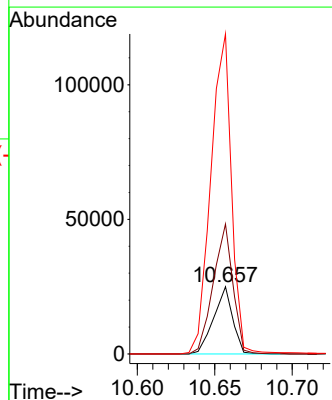
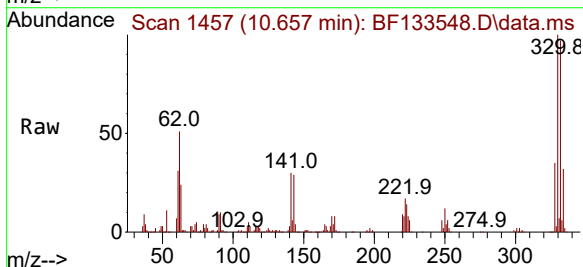
Instrument :
BNA_F
ClientSampleId :
RBR044-VNJ224

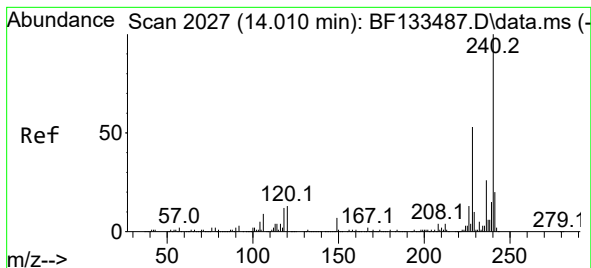
Tgt Ion:198 Resp: 724
Ion Ratio Lower Upper
198 100
51 218.9 53.6 93.6#
105 170.9 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 4.089 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133548.D
Acq: 31 May 2023 19:58

Tgt Ion:248 Resp: 21354
Ion Ratio Lower Upper
248 100
250 193.3 79.7 119.5#
141 476.1 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: BF133548.D

Acq: 31 May 2023 19:58

Instrument :

BNA_F

ClientSampleId :

RBR044-VNJ224

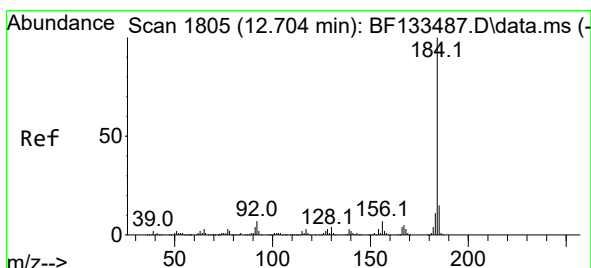
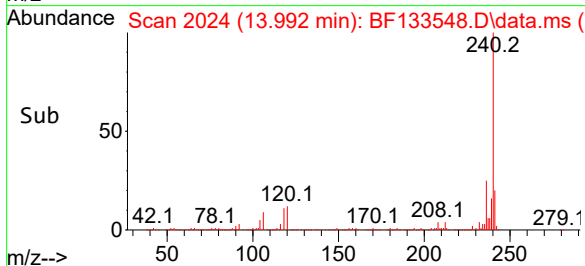
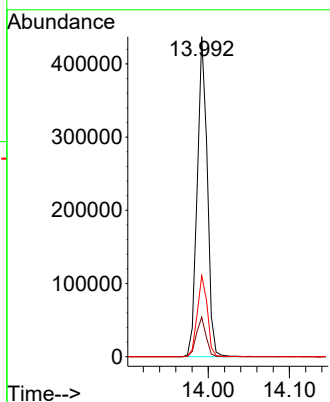
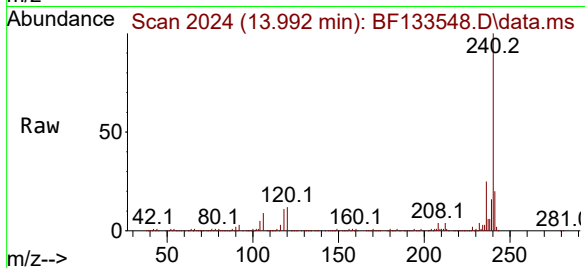
Tgt Ion:240 Resp: 377710

Ion Ratio Lower Upper

240 100

120 12.3 10.3 15.5

236 25.3 20.5 30.7



#77

Benzidine

Concen: 2.149 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.247 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

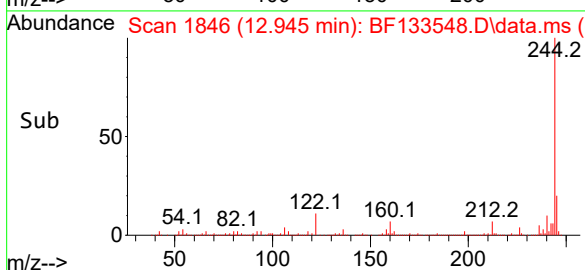
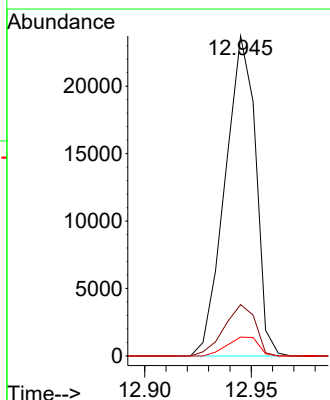
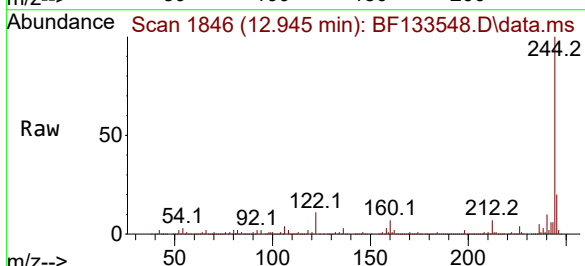
Tgt Ion:184 Resp: 23736

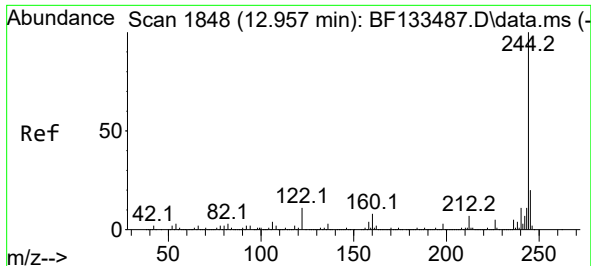
Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

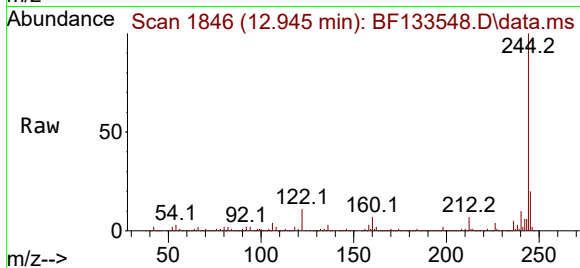
183 5.9 8.7 13.1#



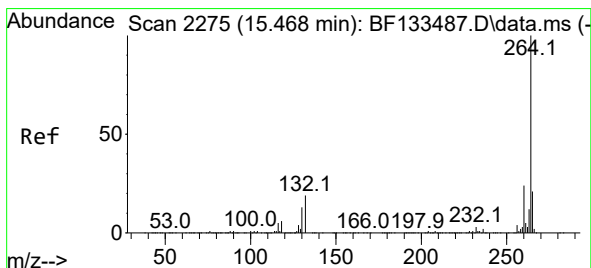
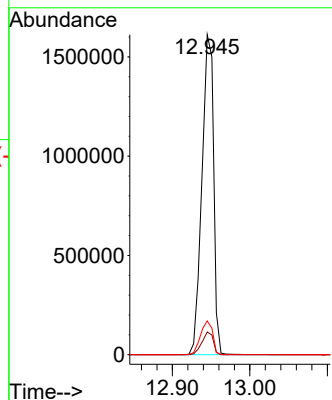
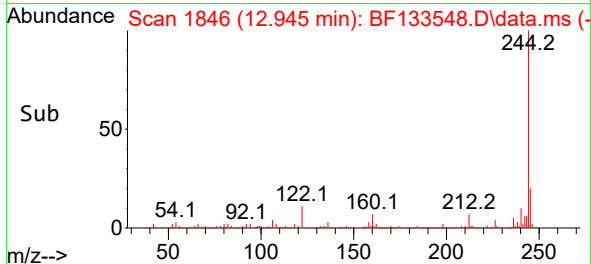


#79
 Terphenyl-d14
 Concen: 79.505 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.006 min
 Lab File: BF133548.D
 Acq: 31 May 2023 19:58

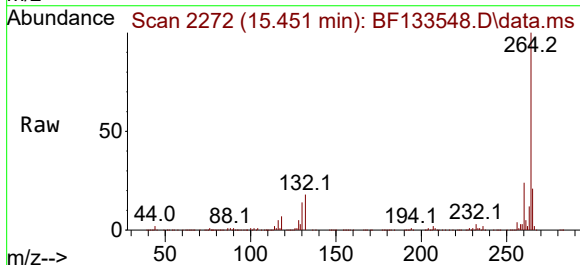
Instrument :
 BNA_F
 ClientSampleId :
 RBR044-VNJ224



Tgt Ion:244 Resp: 1688991
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 10.6 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF133548.D
 Acq: 31 May 2023 19:58



Tgt Ion:264 Resp: 294494
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.4
 265 21.3 16.8 25.2

