

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133504.D
 Acq On : 26 May 2023 17:54
 Operator : CG\JU
 Sample : PB153075BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB153075BL

Quant Time: May 27 01:10:39 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)

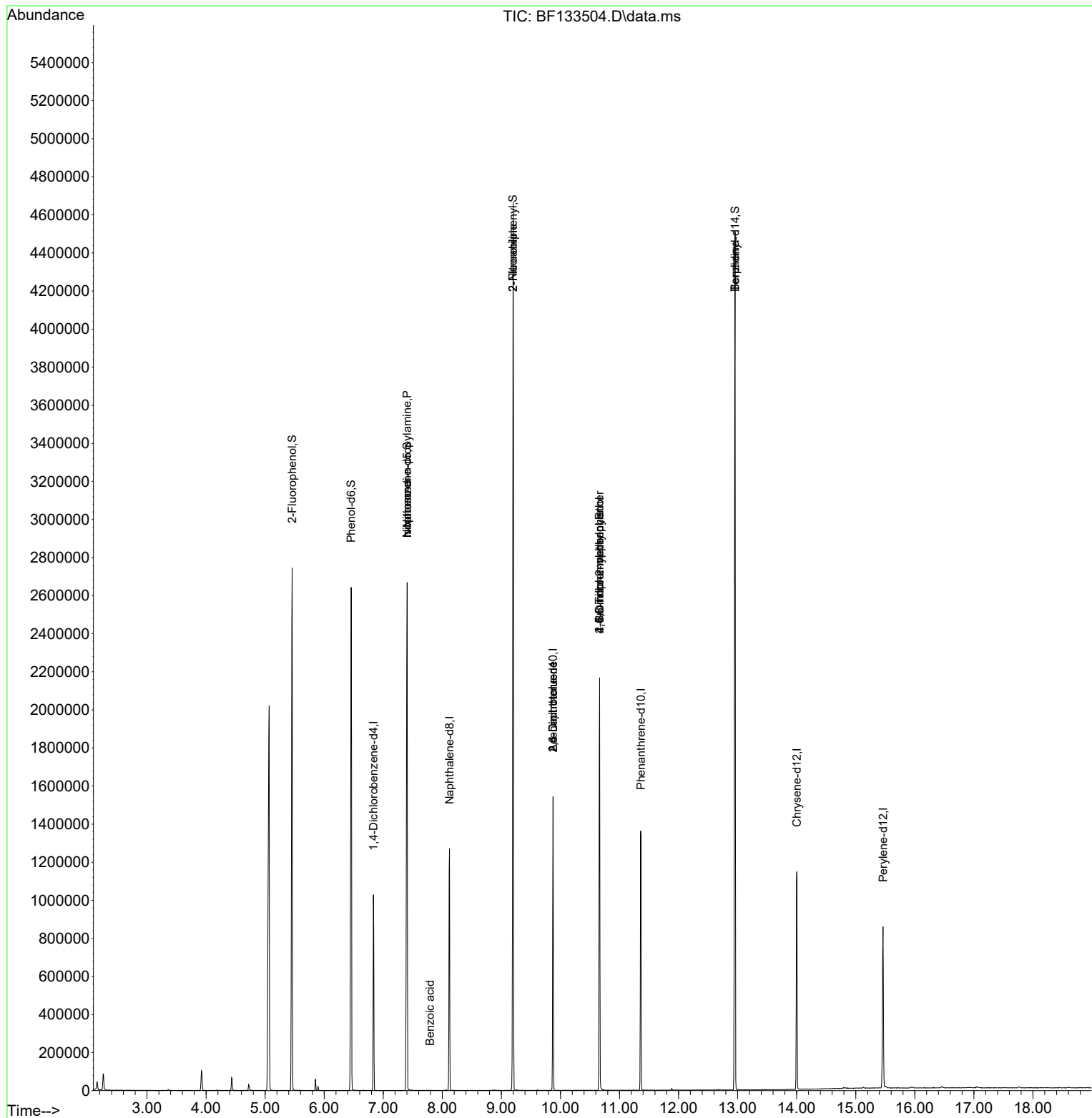
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	143256	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	541109	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	265143	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	512855	20.000	ng	0.00
76) Chrysene-d12	14.004	240	390949	20.000	ng	0.00
86) Perylene-d12	15.462	264	369703	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	749414	87.282	ng	0.01
7) Phenol-d6	6.457	99	916721	86.732	ng	0.00
23) Nitrobenzene-d5	7.404	82	851981	105.128	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	247183	93.524	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1464374	85.243	ng	0.00
79) Terphenyl-d14	12.957	244	1691816	76.942	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	1641	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	118819	17.375	ng	# 78
25) Isophorone	7.404	82	851890	45.103	ng	# 65
32) Benzoic acid	7.792	122	204	7.382	ng	# 89
48) 2-Nitroaniline	9.198	65	2577	4.462	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	33931	12.524	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	33931	11.699	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.663	198	663	8.970	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	15791	2.899	ng	# 1
77) Benzidine	12.957	184	23043	2.015	ng	# 94

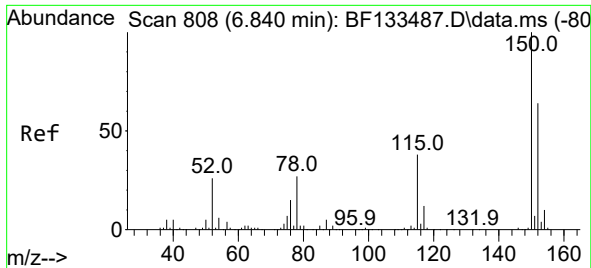
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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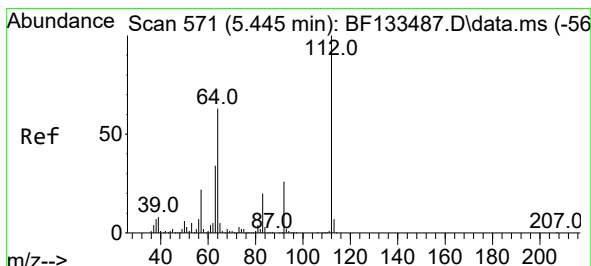
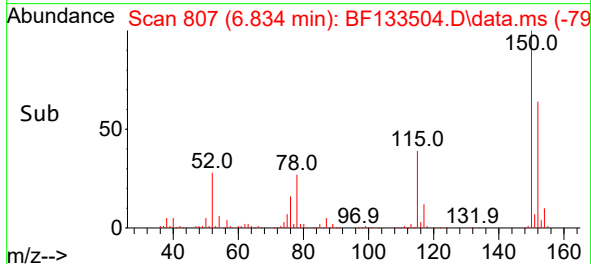
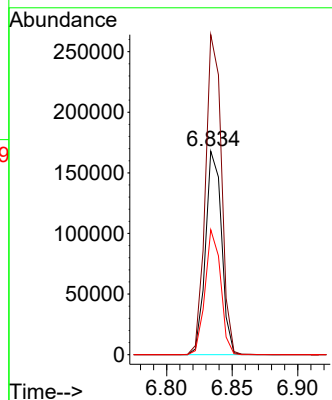
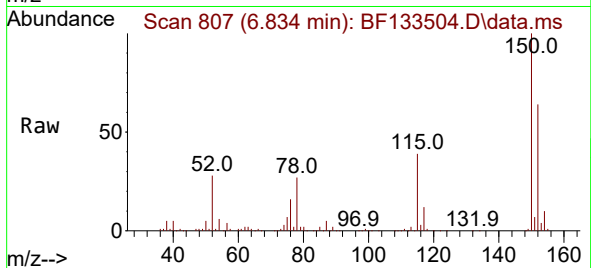




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

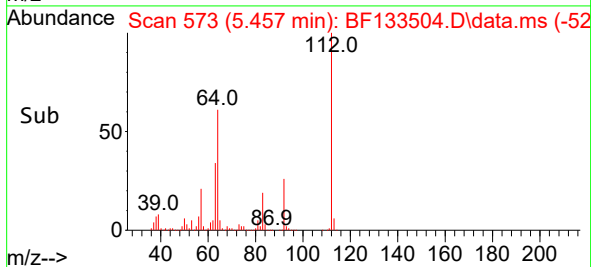
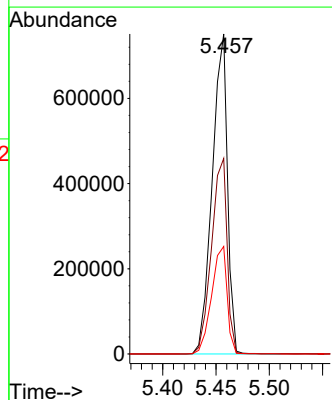
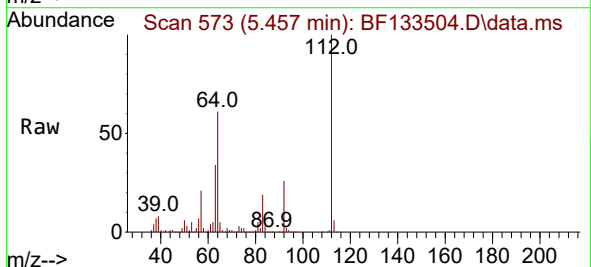
Instrument :
BNA_F
ClientSampleId :
PB153075BL

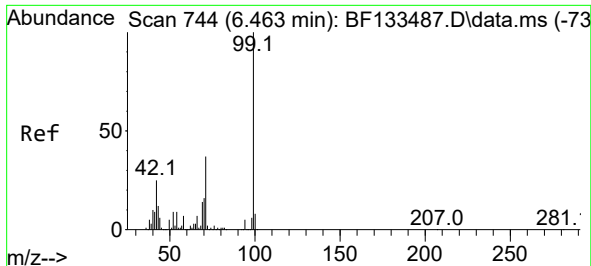
Tgt Ion:152 Resp: 143256
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 61.4 48.1 72.1



#5
2-Fluorophenol
Concen: 87.282 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

Tgt Ion:112 Resp: 749414
Ion Ratio Lower Upper
112 100
64 61.1 50.1 75.1
63 33.6 27.5 41.3

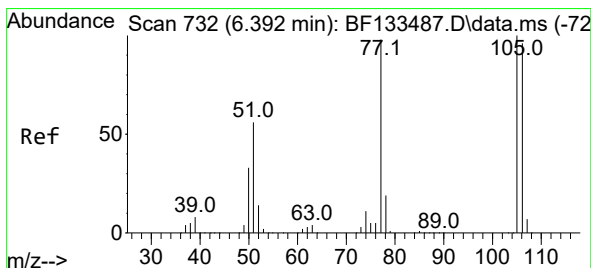
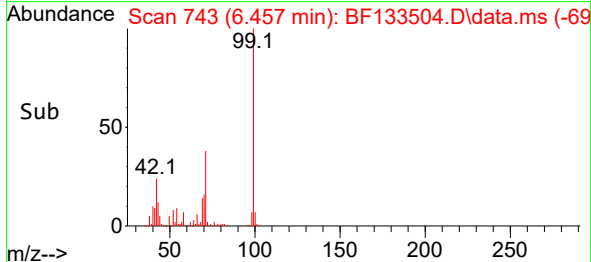
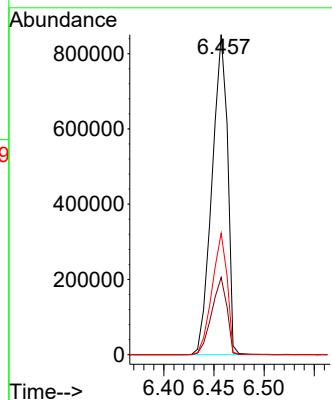
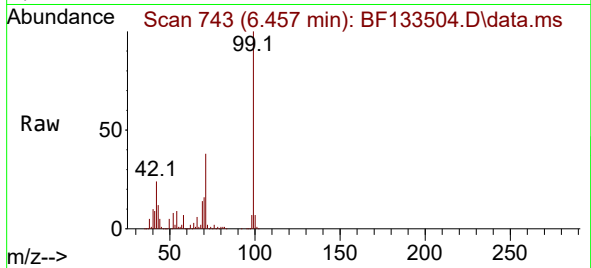




#7
Phenol-d6
Concen: 86.732 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

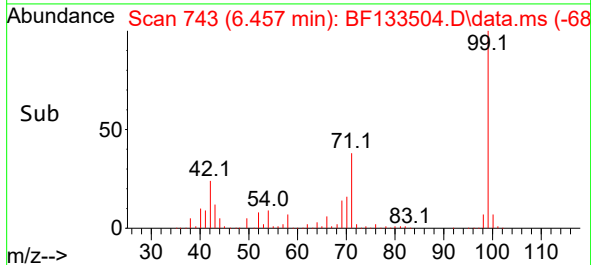
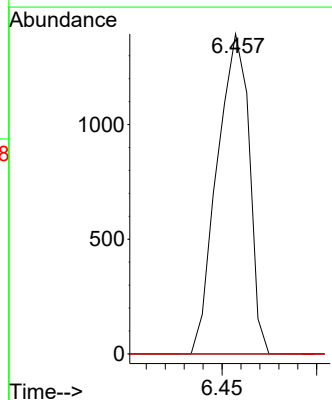
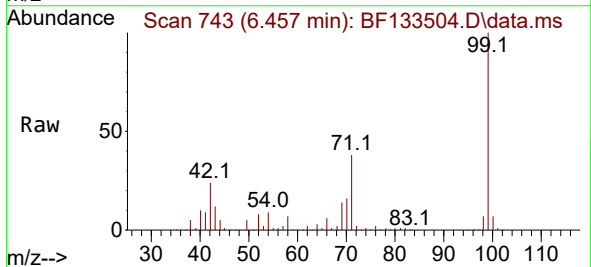
Instrument :
BNA_F
ClientSampleId :
PB153075BL

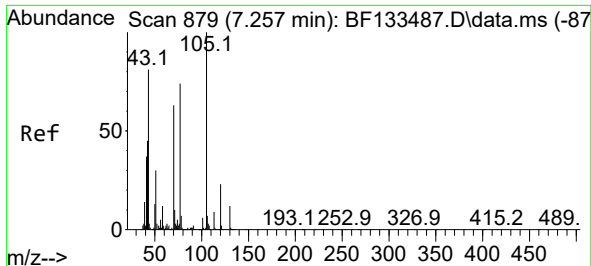
Tgt Ion: 99 Resp: 916721
Ion Ratio Lower Upper
99 100
42 24.2 19.7 29.5
71 38.0 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.065 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

Tgt Ion: 77 Resp: 1641
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

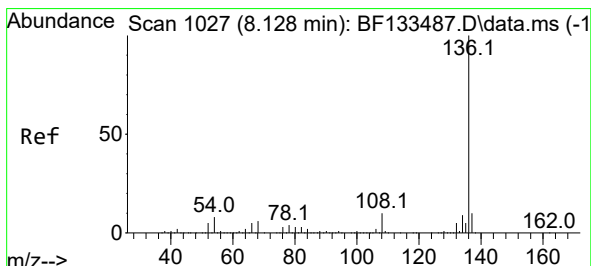
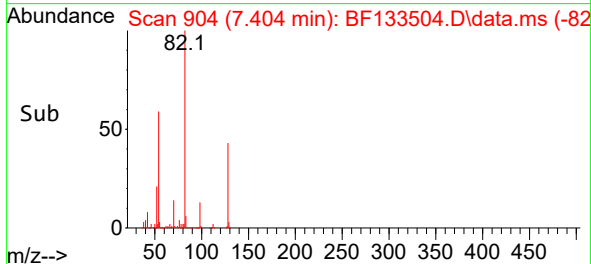
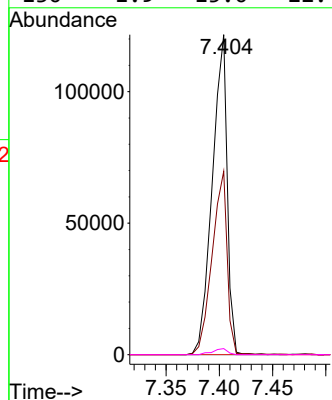
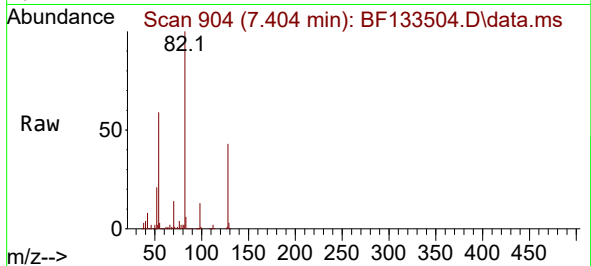




#19
n-Nitroso-di-n-propylamine
Concen: 17.375 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

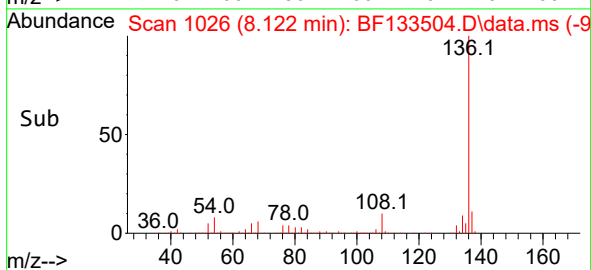
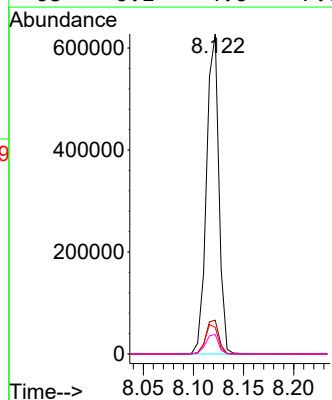
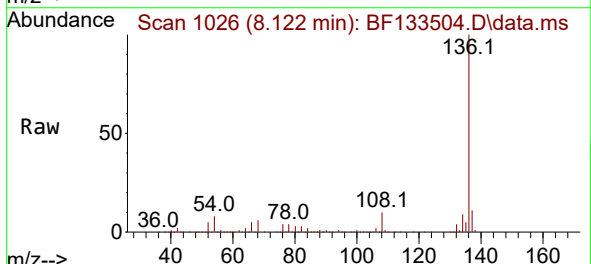
Instrument :
BNA_F
ClientSampleId :
PB153075BL

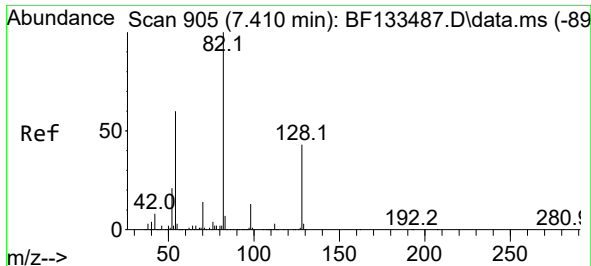
Tgt Ion: 70 Resp: 118819
Ion Ratio Lower Upper
70 100
42 57.3 57.2 85.8
101 0.0 7.3 10.9#
130 1.9 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

Tgt Ion: 136 Resp: 541109
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.4 6.6 10.0
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 105.128 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF133504.D

Acq: 26 May 2023 17:54

Instrument :

BNA_F

ClientSampleId :

PB153075BL

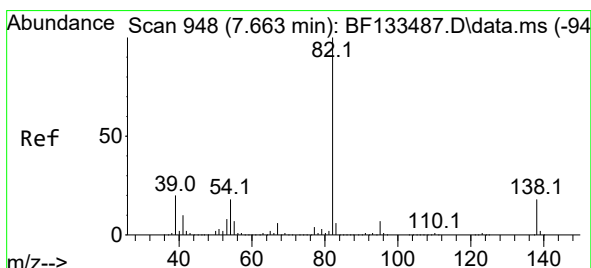
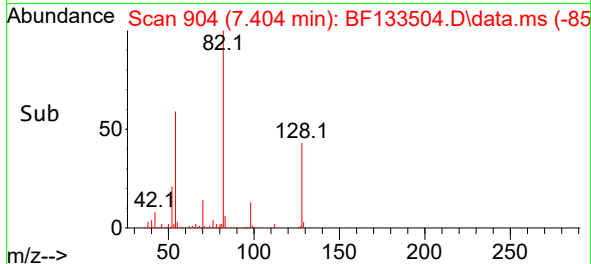
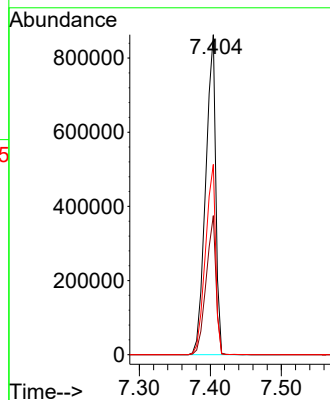
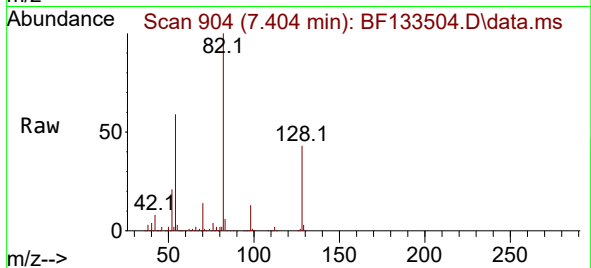
Tgt Ion: 82 Resp: 851981

Ion Ratio Lower Upper

82 100

128 43.5 34.2 51.4

54 59.5 48.2 72.4



#25

Isophorone

Concen: 45.103 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF133504.D

Acq: 26 May 2023 17:54

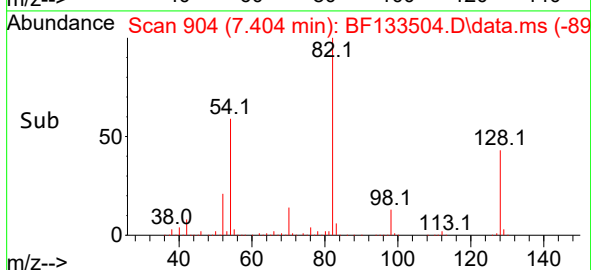
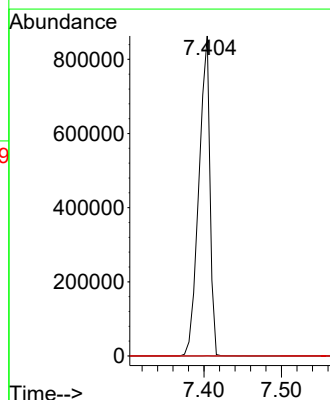
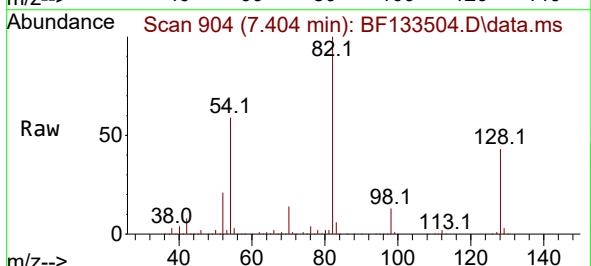
Tgt Ion: 82 Resp: 851890

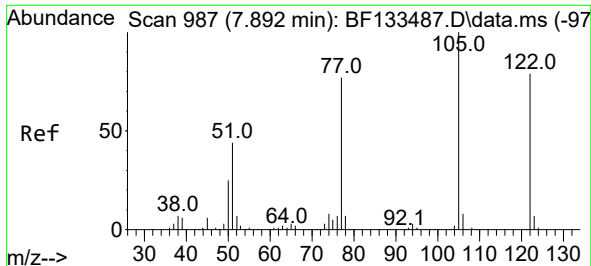
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

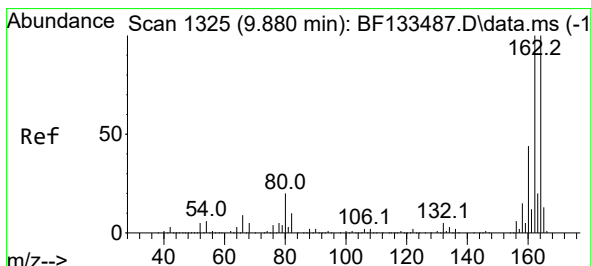
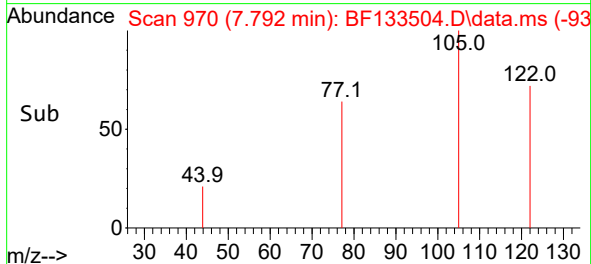
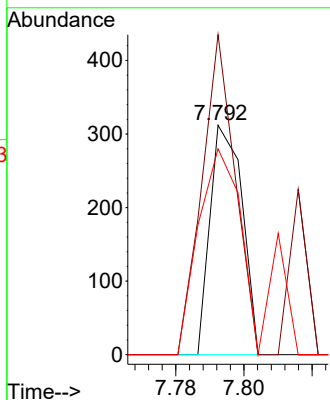
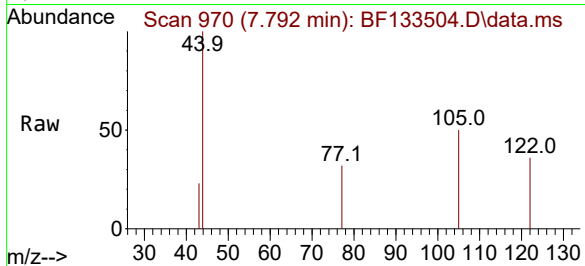




#32
Benzoic acid
Concen: 7.382 ng
RT: 7.792 min Scan# 91
Delta R.T. -0.100 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

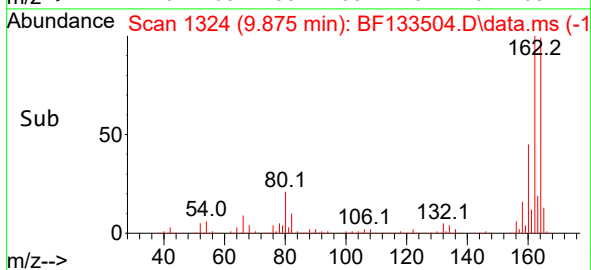
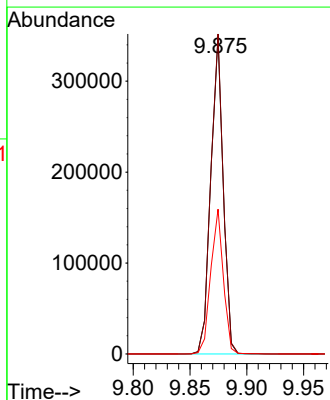
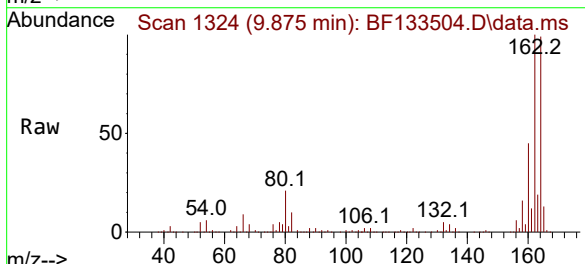
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ClientSampleId :
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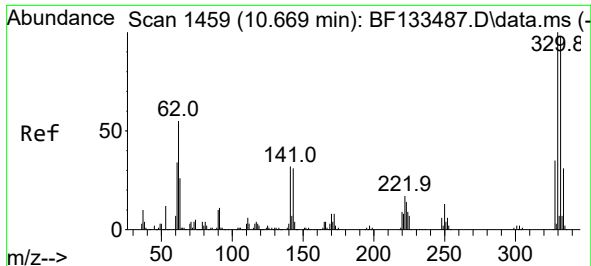
Tgt Ion:122 Resp: 204
Ion Ratio Lower Upper
122 100
105 139.4 103.3 143.3
77 89.7 75.7 115.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

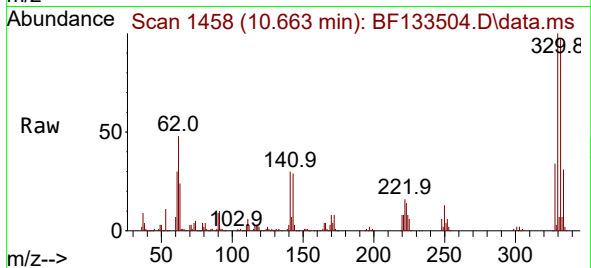
Tgt Ion:164 Resp: 265143
Ion Ratio Lower Upper
164 100
162 100.9 79.7 119.5
160 45.6 35.4 53.0



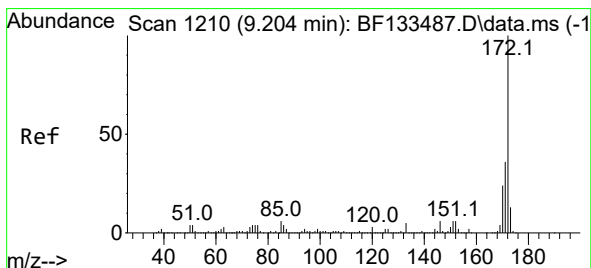
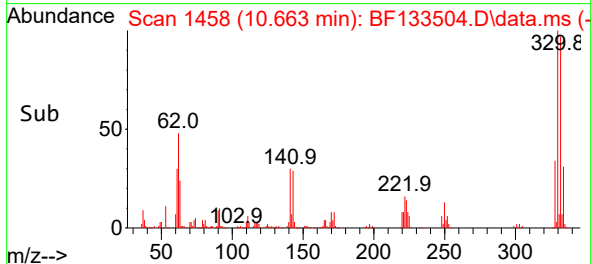
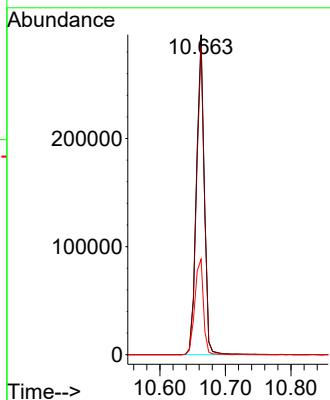


#42
2,4,6-Tribromophenol
Concen: 93.524 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

Instrument :
BNA_F
ClientSampleId :
PB153075BL

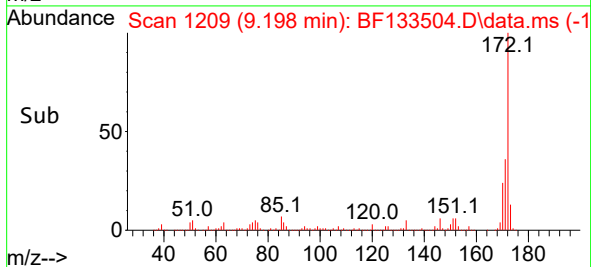
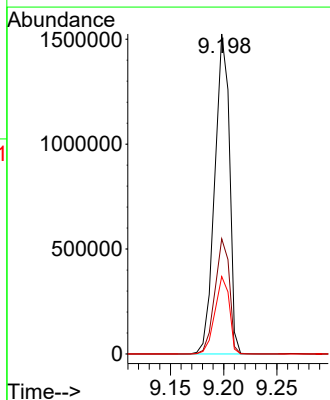
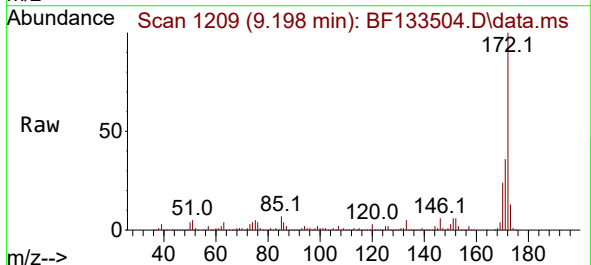


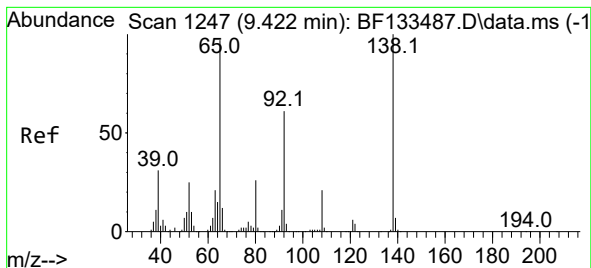
Tgt Ion:330 Resp: 247183
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.6
141 32.7 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 85.243 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

Tgt Ion:172 Resp: 1464374
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 24.2 19.3 28.9





#48

2-Nitroaniline

Concen: 4.462 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.224 min

Lab File: BF133504.D

Acq: 26 May 2023 17:54

Instrument :

BNA_F

ClientSampleId :

PB153075BL

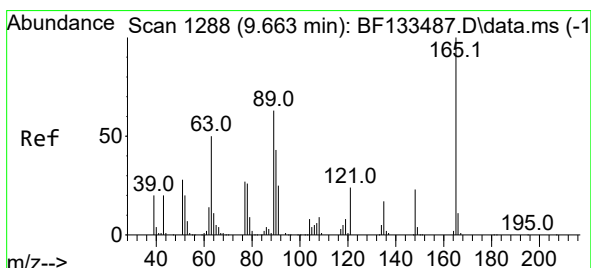
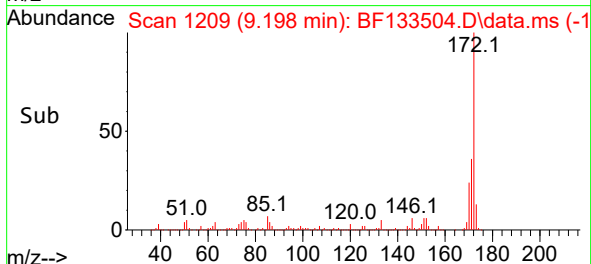
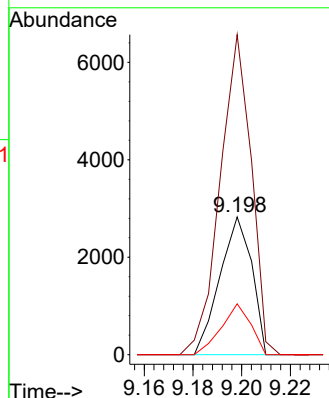
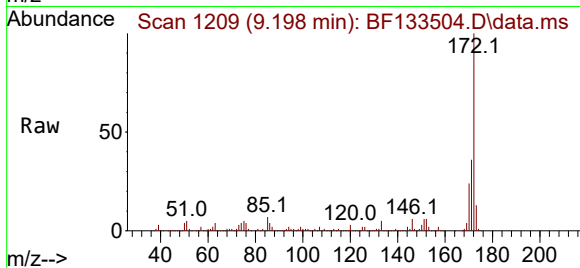
Tgt Ion: 65 Resp: 2577

Ion Ratio Lower Upper

65 100

92 232.4 50.8 76.2#

138 37.0 82.6 124.0#



#51

2,6-Dinitrotoluene

Concen: 12.524 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.212 min

Lab File: BF133504.D

Acq: 26 May 2023 17:54

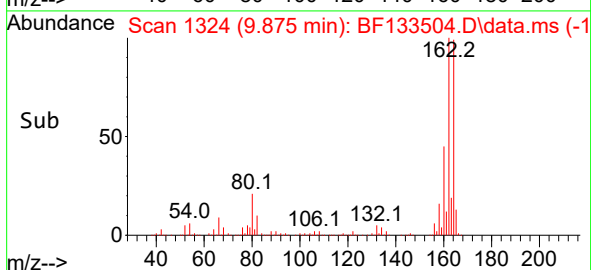
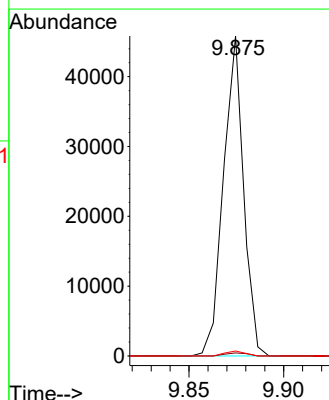
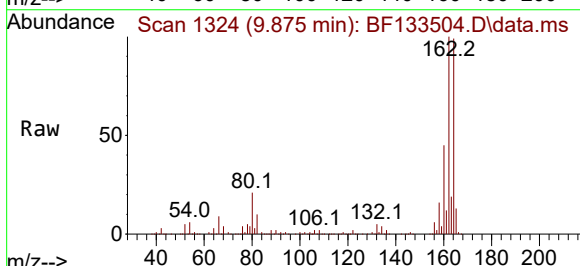
Tgt Ion: 165 Resp: 33931

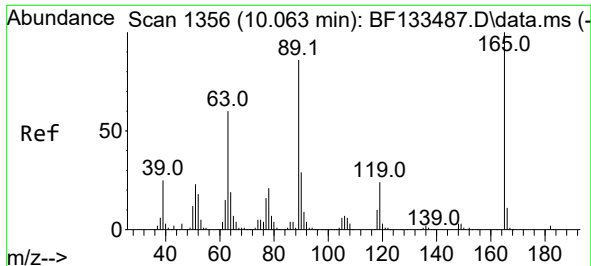
Ion Ratio Lower Upper

165 100

63 1.0 57.0 85.4#

89 1.5 50.8 76.2#

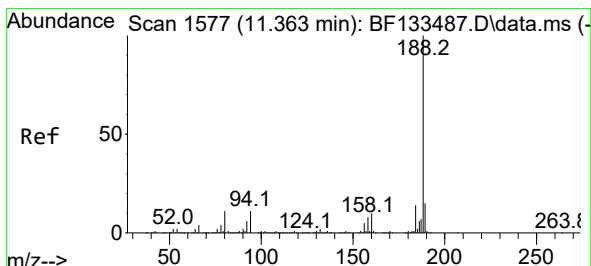
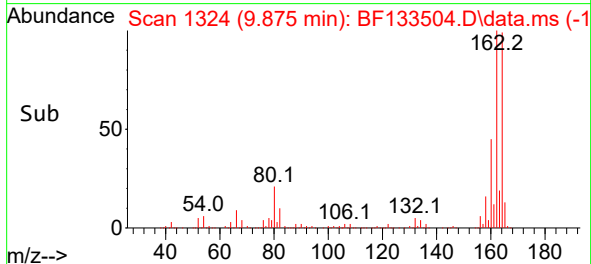
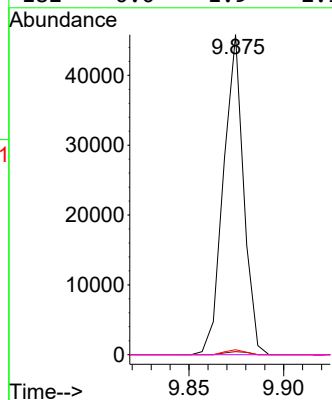
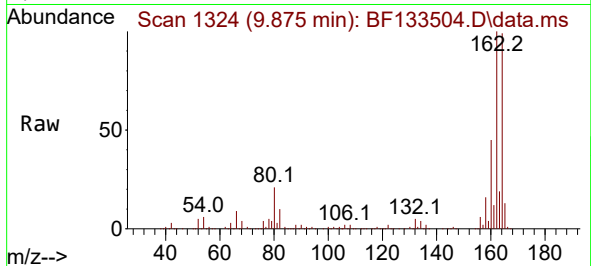




#57
2,4-Dinitrotoluene
Concen: 11.699 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

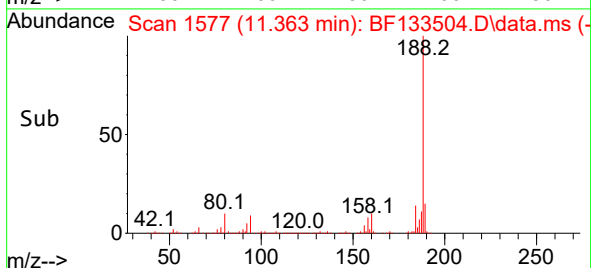
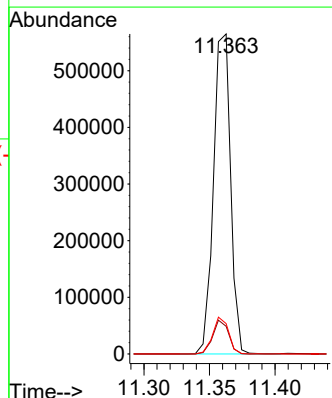
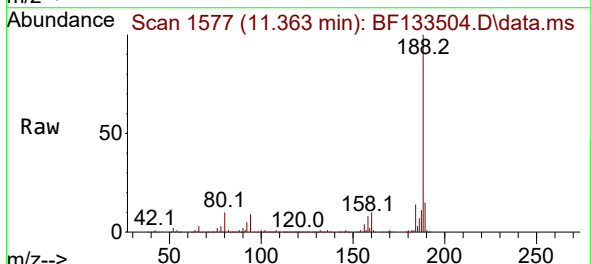
Instrument :
BNA_F
ClientSampleId :
PB153075BL

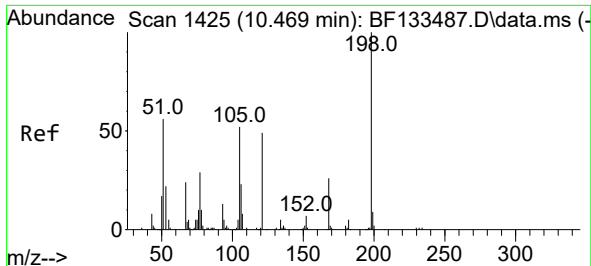
Tgt Ion:165 Resp: 33931
Ion Ratio Lower Upper
165 100
63 1.0 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

Tgt Ion:188 Resp: 512855
Ion Ratio Lower Upper
188 100
94 8.7 8.6 12.8
80 9.5 9.2 13.8

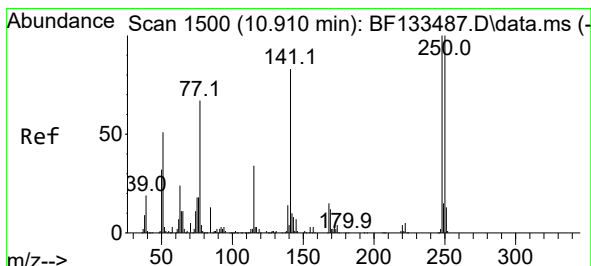
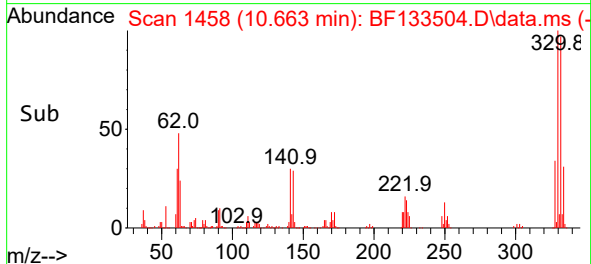
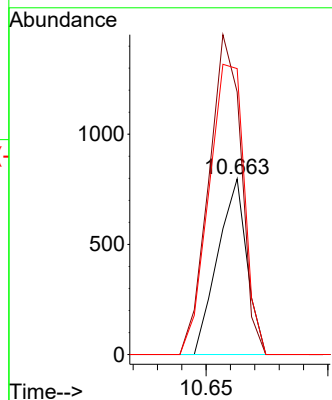
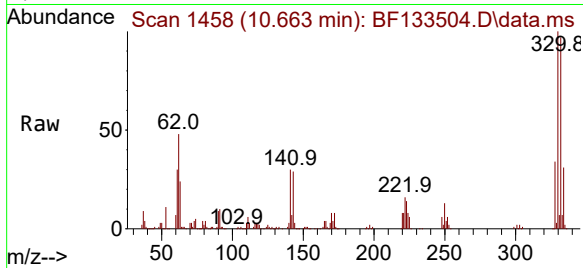




#65
4,6-Dinitro-2-methylphenol
Concen: 8.970 ng
RT: 10.663 min Scan# 1425
Delta R.T. 0.194 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

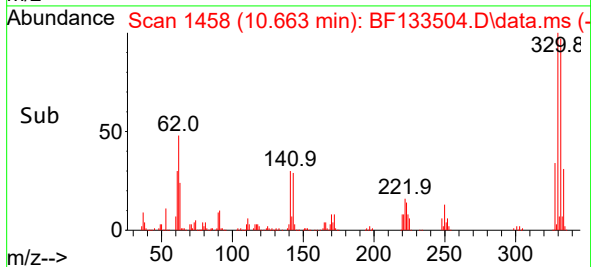
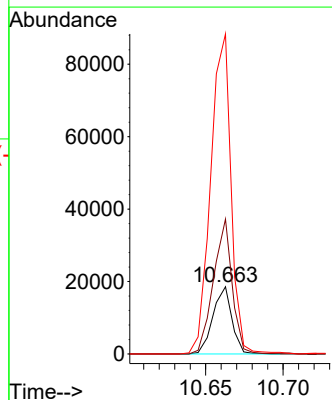
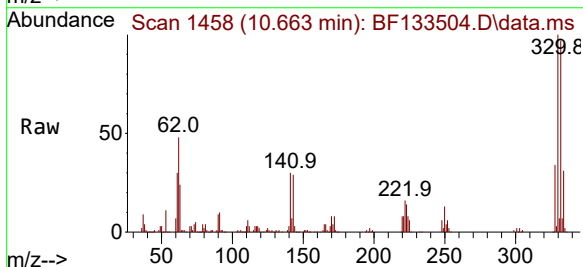
Instrument :
BNA_F
ClientSampleId :
PB153075BL

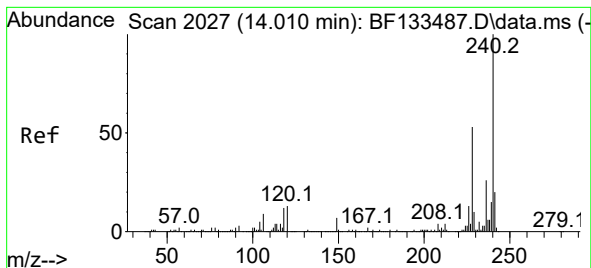
Tgt Ion:198 Resp: 663
Ion Ratio Lower Upper
198 100
51 149.4 53.6 93.6#
105 162.7 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.899 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133504.D
Acq: 26 May 2023 17:54

Tgt Ion:248 Resp: 15791
Ion Ratio Lower Upper
248 100
250 200.8 79.7 119.5#
141 476.5 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133504.D

Acq: 26 May 2023 17:54

Instrument :

BNA_F

ClientSampleId :

PB153075BL

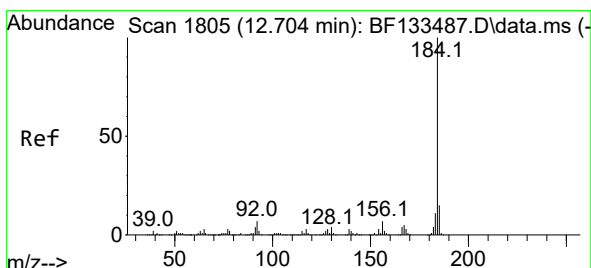
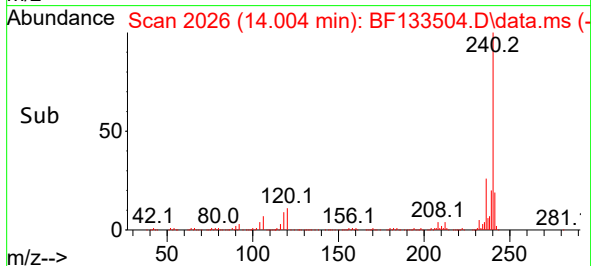
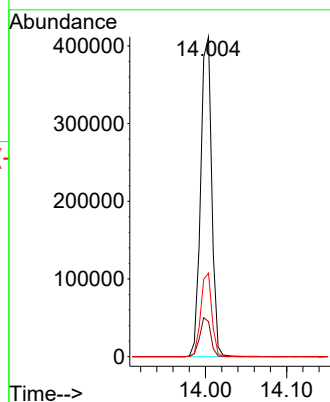
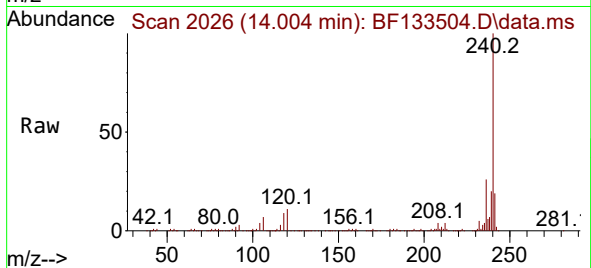
Tgt Ion:240 Resp: 390949

Ion Ratio Lower Upper

240 100

120 10.9 10.3 15.5

236 26.1 20.5 30.7



#77

Benzidine

Concen: 2.015 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.253 min

Lab File: BF133504.D

Acq: 26 May 2023 17:54

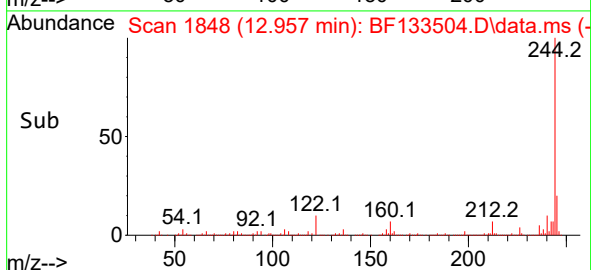
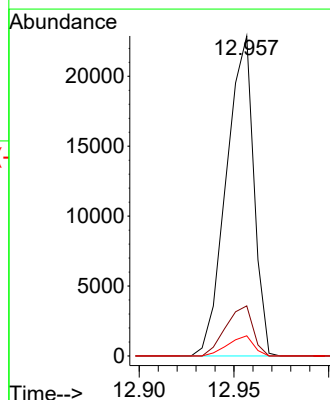
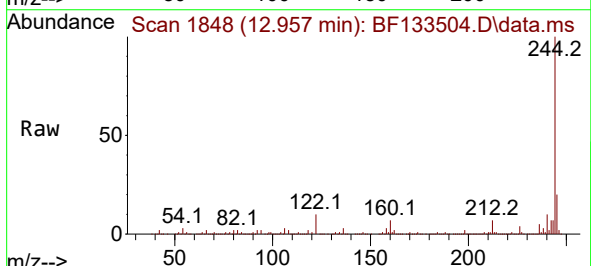
Tgt Ion:184 Resp: 23043

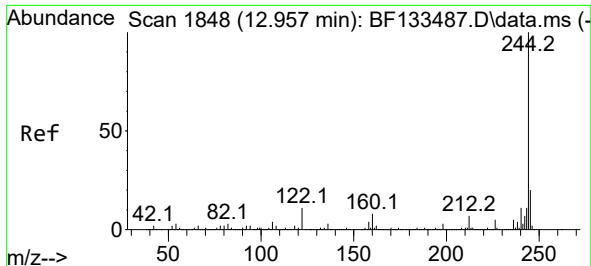
Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

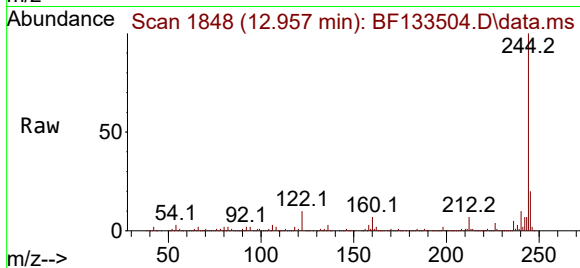
183 6.3 8.7 13.1#



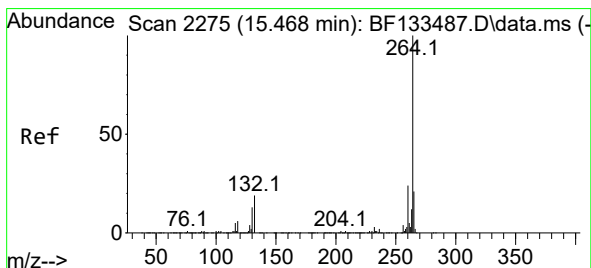
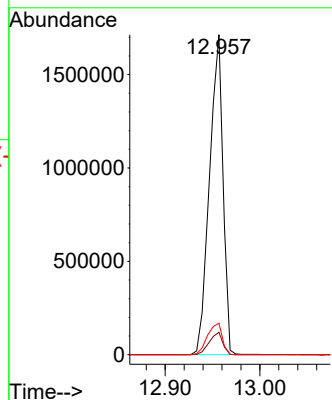
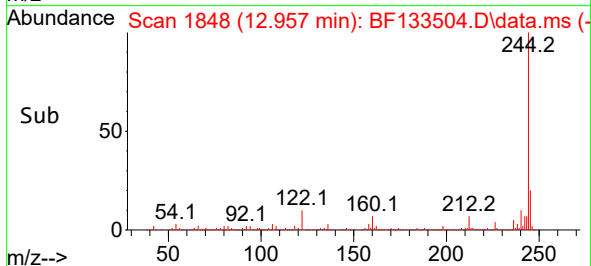


#79
 Terphenyl-d14
 Concen: 76.942 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133504.D
 Acq: 26 May 2023 17:54

Instrument :
 BNA_F
 ClientSampleId :
 PB153075BL



Tgt Ion:244 Resp: 1691816
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 9.8 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.462 min Scan# 2274
 Delta R.T. -0.006 min
 Lab File: BF133504.D
 Acq: 26 May 2023 17:54

Tgt Ion:264 Resp: 369703
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.4
 265 21.5 16.8 25.2

