

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133607.D
 Acq On : 07 Jun 2023 01:07
 Operator : CG\JU
 Sample : 03026-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Quant Time: Jun 07 04:28:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

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

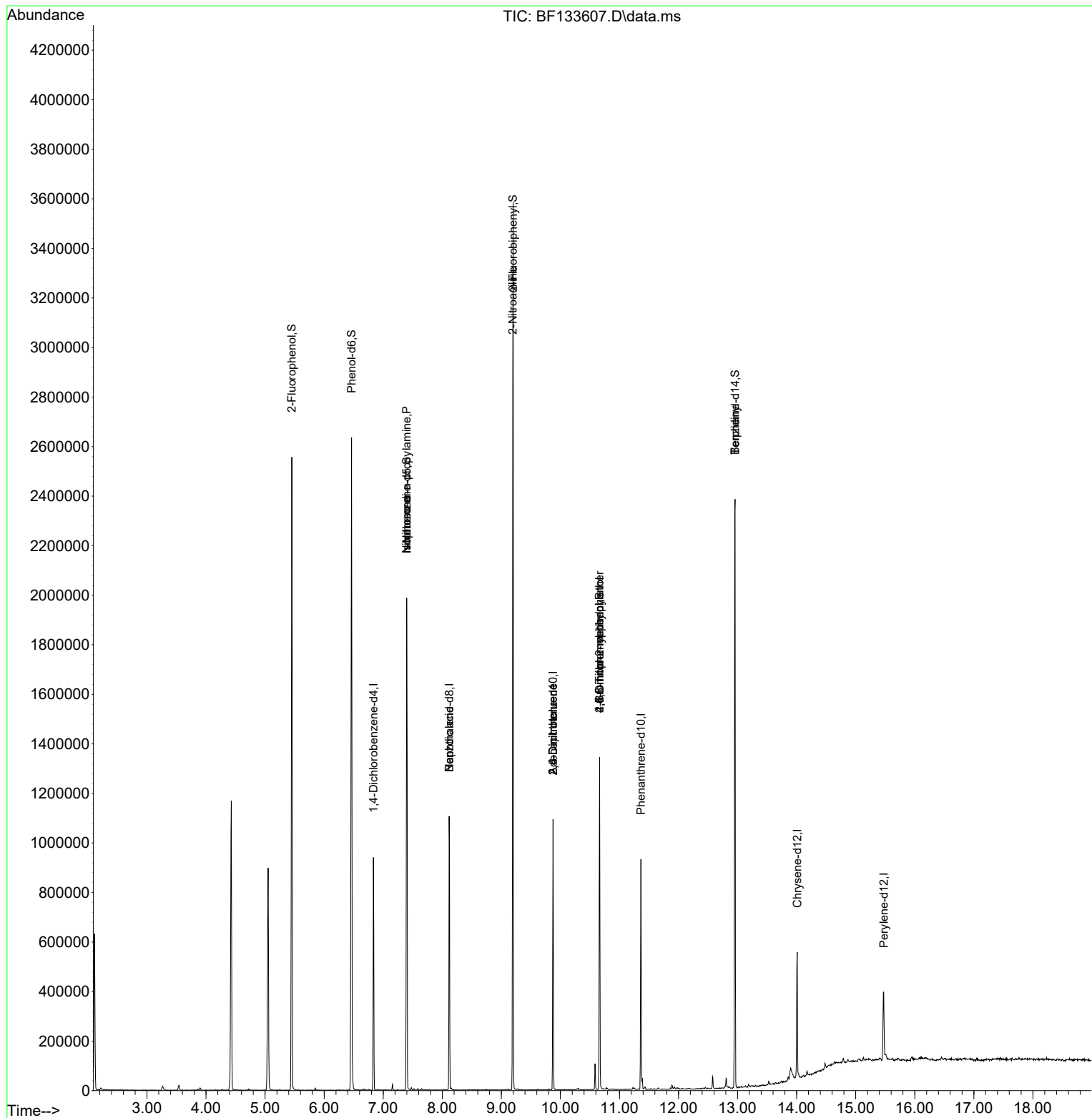
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	127339	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	454944	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	190684	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	305582	20.000	ng	0.00
76) Chrysene-d12	14.010	240	164985	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	138592	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	701730	91.944	ng	0.00
7) Phenol-d6	6.463	99	889335	94.658	ng	0.00
23) Nitrobenzene-d5	7.398	82	577103	84.697	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	149062	78.422	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1013428	82.029	ng	0.00
79) Terphenyl-d14	12.957	244	859774	92.655	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.463	77	1667	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	80187	13.191	ng	# 77
25) Isophorone	7.398	82	577097	36.341	ng	# 65
32) Benzoic acid	8.116	122	177	7.383	ng	# 1
48) 2-Nitroaniline	9.192	65	1727	4.430	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	24181	12.444	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	24181	11.636	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.663	198	350	8.941	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	8836	2.723	ng	# 1
77) Benzidine	12.957	184	12075	2.502	ng	# 94

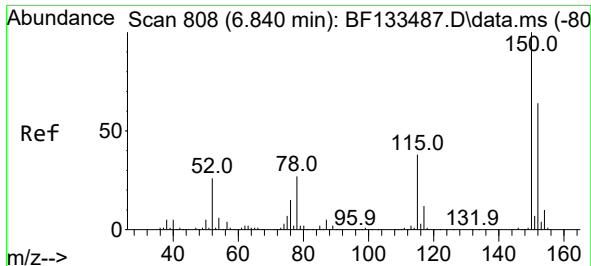
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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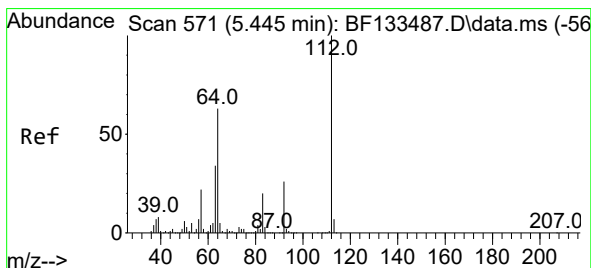
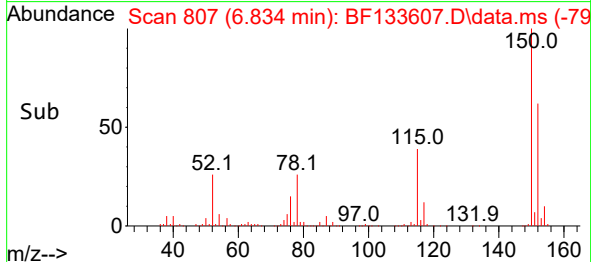
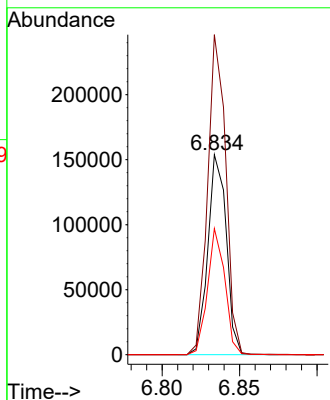
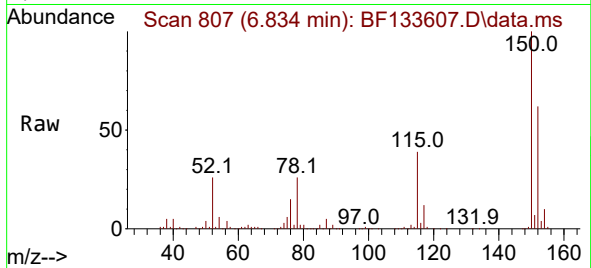




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

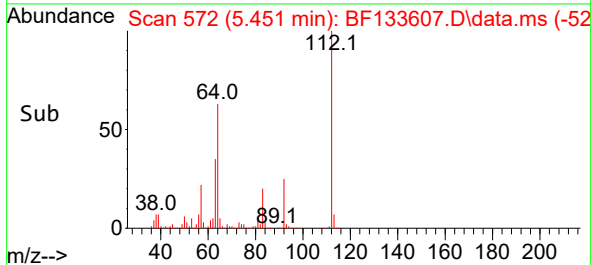
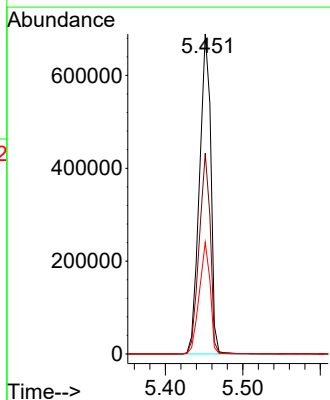
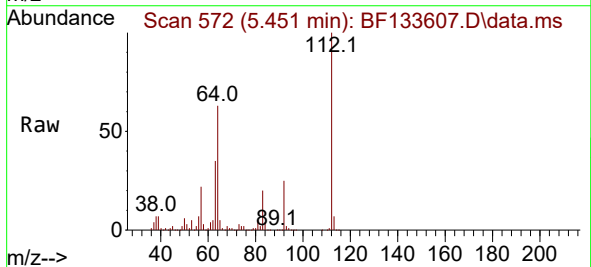
Instrument :
BNA_F
ClientSampleId :
VNJ-223

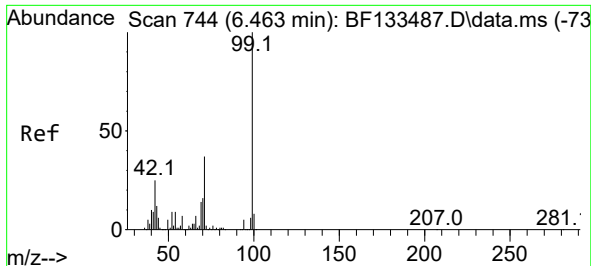
Tgt Ion:152 Resp: 127339
Ion Ratio Lower Upper
152 100
150 160.0 124.9 187.3
115 63.0 48.1 72.1



#5
2-Fluorophenol
Concen: 91.944 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

Tgt Ion:112 Resp: 701730
Ion Ratio Lower Upper
112 100
64 62.7 50.1 75.1
63 34.9 27.5 41.3

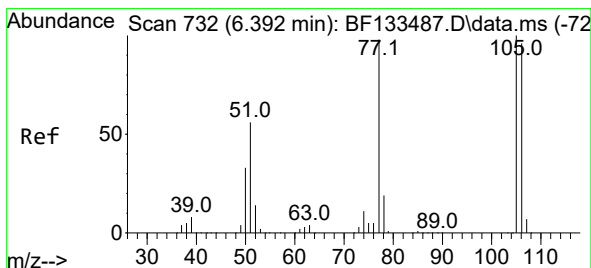
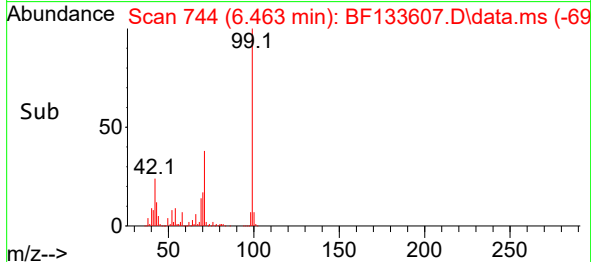
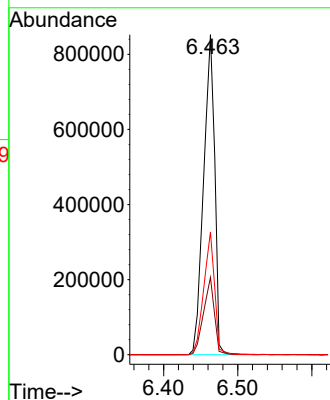
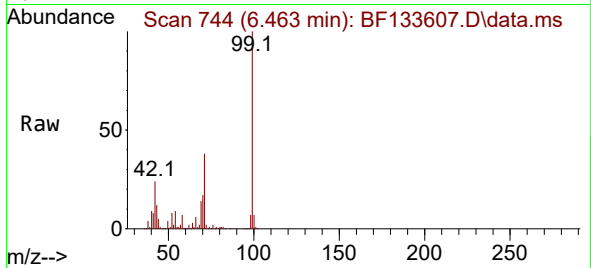




#7
Phenol-d6
Concen: 94.658 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

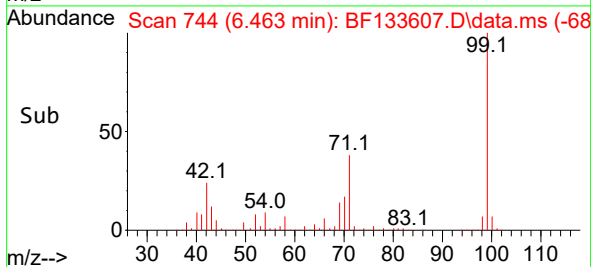
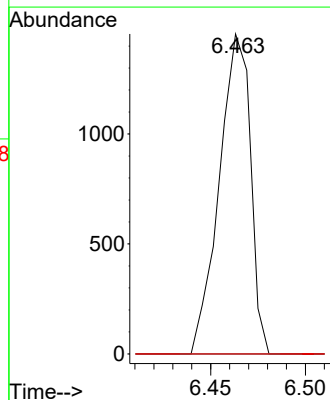
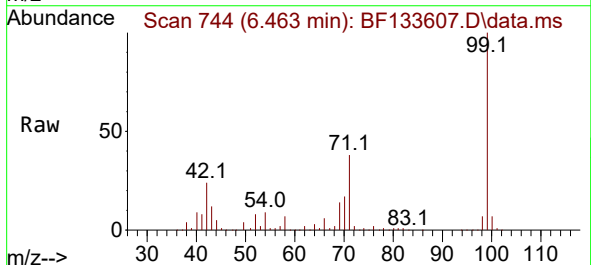
Instrument :
BNA_F
ClientSampleId :
VNJ-223

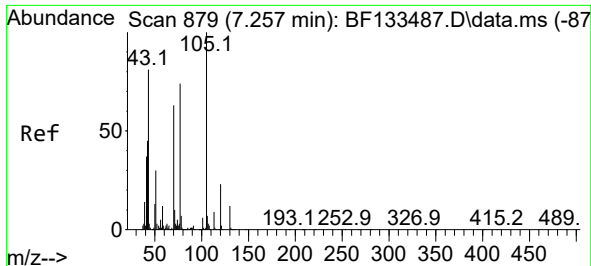
Tgt Ion: 99 Resp: 889335
Ion Ratio Lower Upper
99 100
42 24.1 19.7 29.5
71 38.3 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.463 min Scan# 744
Delta R.T. 0.077 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

Tgt Ion: 77 Resp: 1667
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

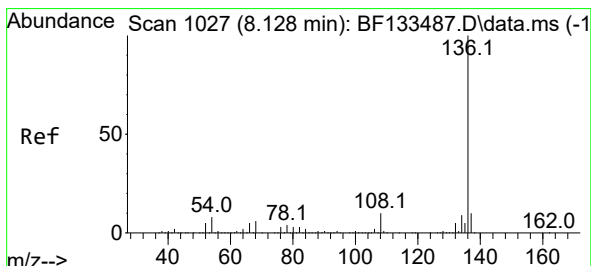
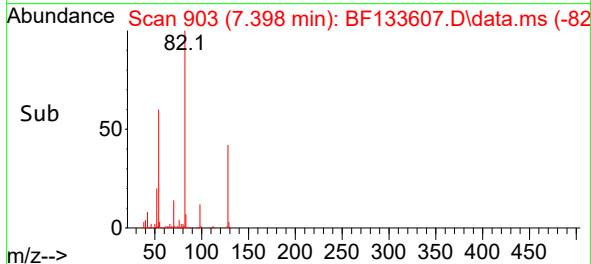
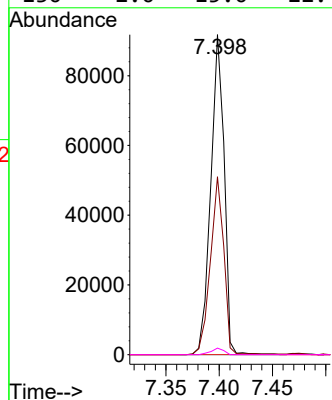
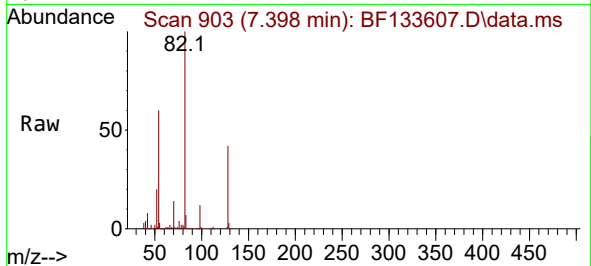




#19
n-Nitroso-di-n-propylamine
Concen: 13.191 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

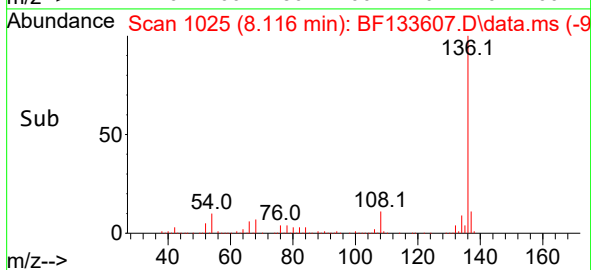
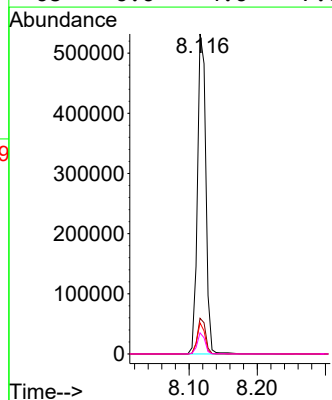
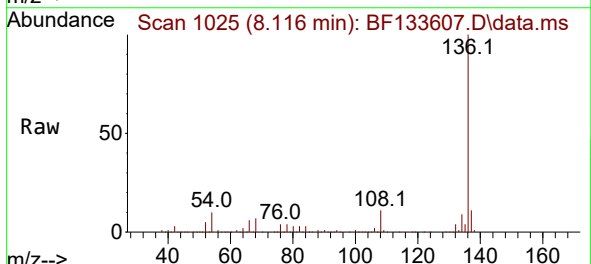
Instrument :
BNA_F
ClientSampleId :
VNJ-223

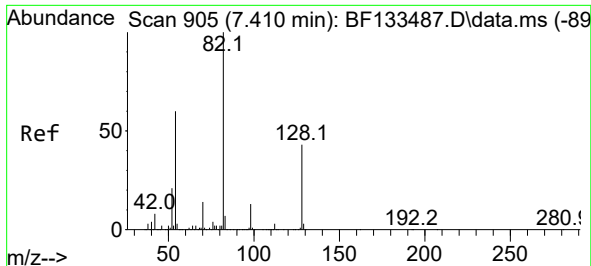
Tgt Ion: 70	Resp: 80187
Ion Ratio	Lower Upper
70 100	
42 55.6	57.2 85.8#
101 0.0	7.3 10.9#
130 2.0	15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

Tgt Ion: 136	Resp: 454944
Ion Ratio	Lower Upper
136 100	
137 11.1	8.2 12.4
54 9.7	6.6 10.0
68 6.6	4.6 7.0





#23

Nitrobenzene-d5

Concen: 84.697 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133607.D

Acq: 07 Jun 2023 01:07

Instrument :

BNA_F

ClientSampleId :

VNJ-223

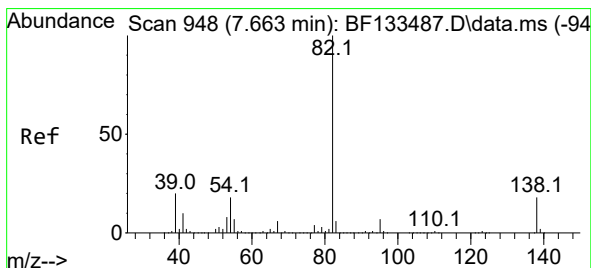
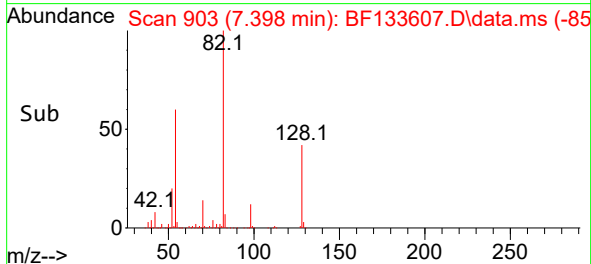
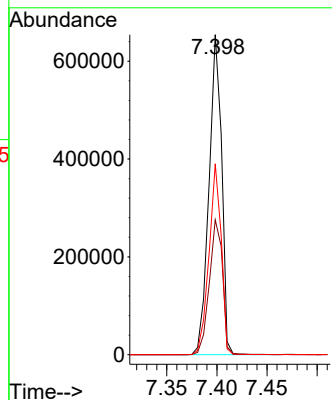
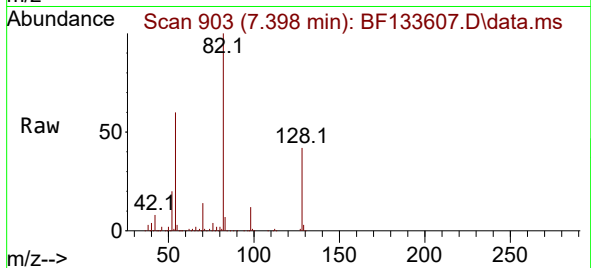
Tgt Ion: 82 Resp: 577103

Ion Ratio Lower Upper

82 100

128 42.2 34.2 51.4

54 59.6 48.2 72.4



#25

Isophorone

Concen: 36.341 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133607.D

Acq: 07 Jun 2023 01:07

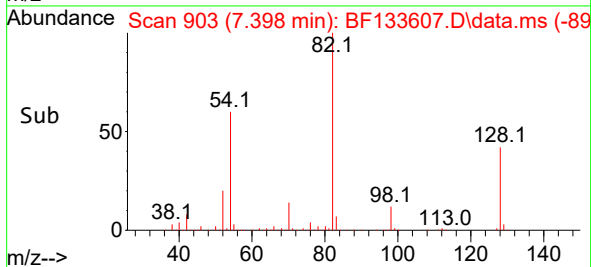
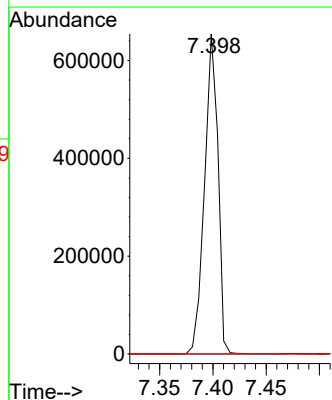
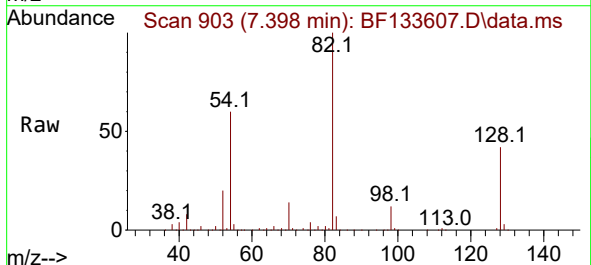
Tgt Ion: 82 Resp: 577097

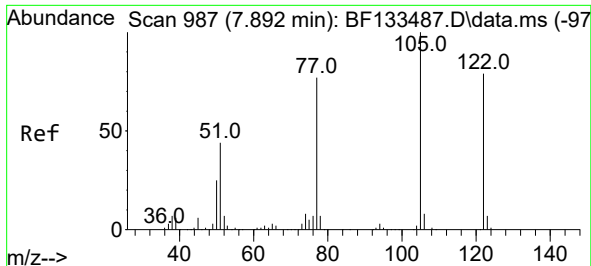
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

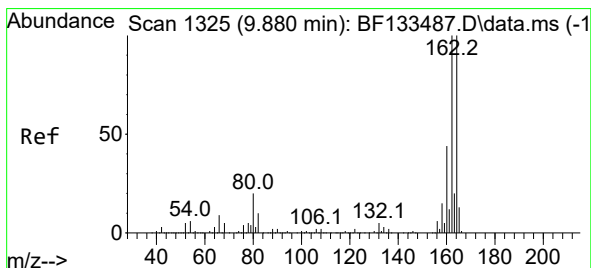
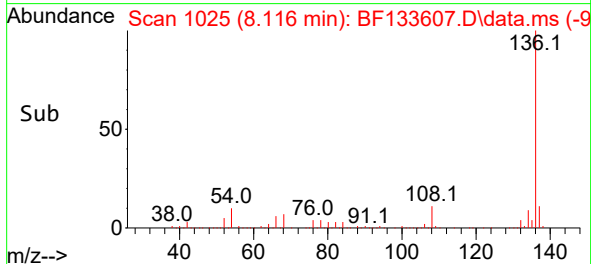
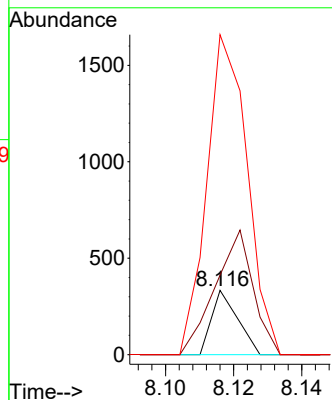
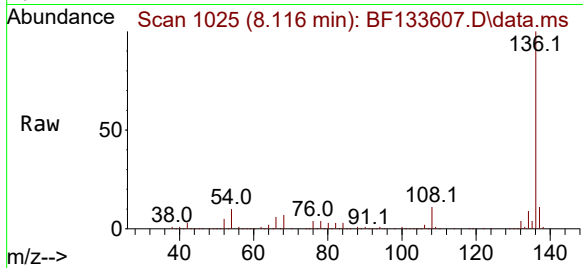




#32
Benzoic acid
Concen: 7.383 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.230 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

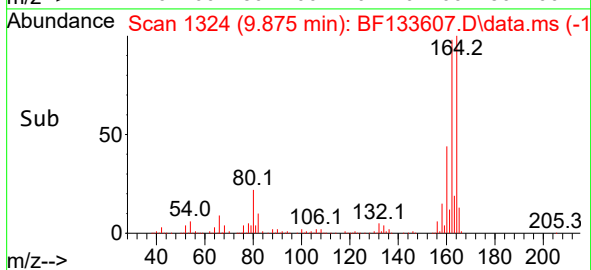
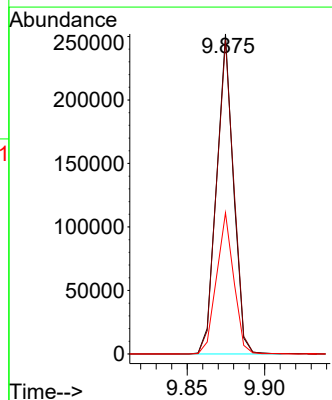
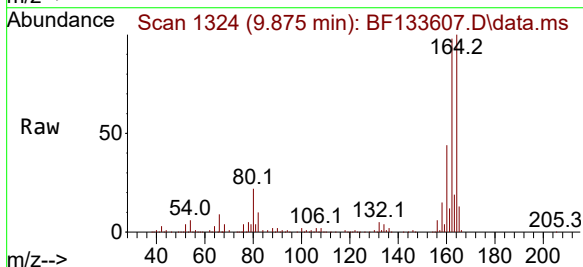
Instrument :
BNA_F
ClientSampleId :
VNJ-223

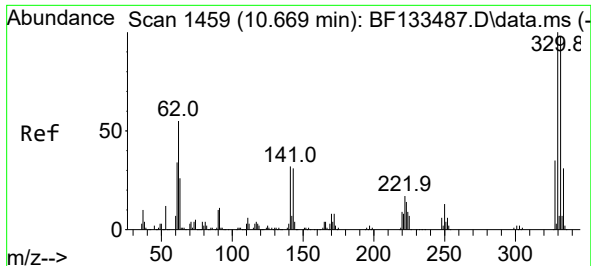
Tgt Ion:122 Resp: 177
Ion Ratio Lower Upper
122 100
105 123.7 103.3 143.3
77 498.2 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

Tgt Ion:164 Resp: 190684
Ion Ratio Lower Upper
164 100
162 98.1 79.7 119.5
160 44.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 78.422 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133607.D

Acq: 07 Jun 2023 01:07

Instrument :

BNA_F

ClientSampleId :

VNJ-223

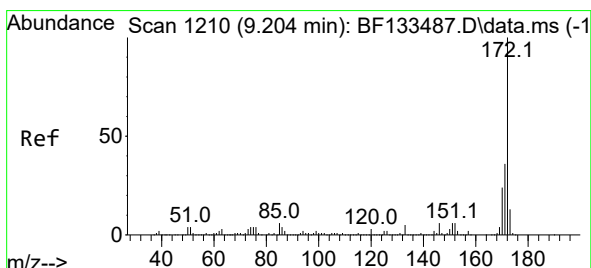
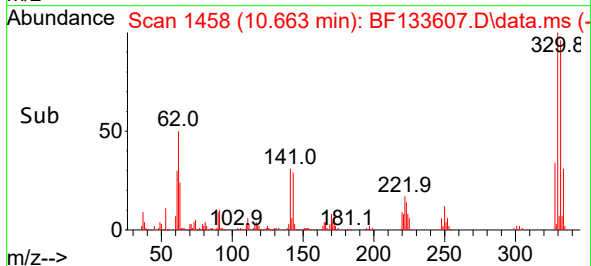
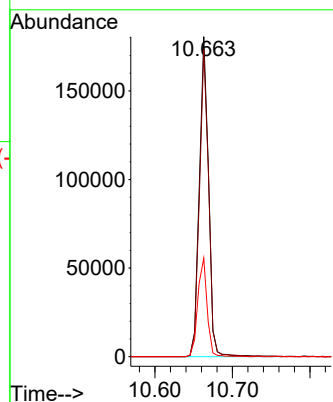
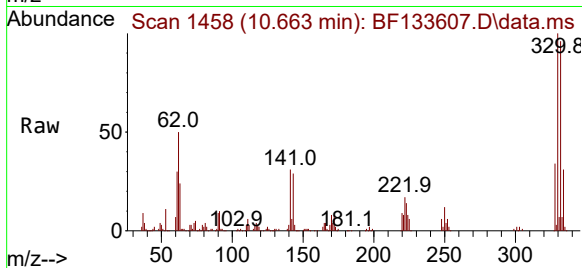
Tgt Ion:330 Resp: 149062

Ion Ratio Lower Upper

330 100

332 95.5 77.8 116.6

141 31.2 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 82.029 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF133607.D

Acq: 07 Jun 2023 01:07

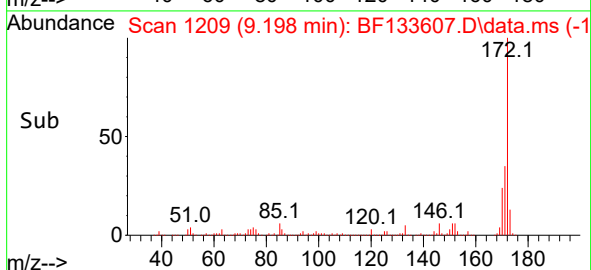
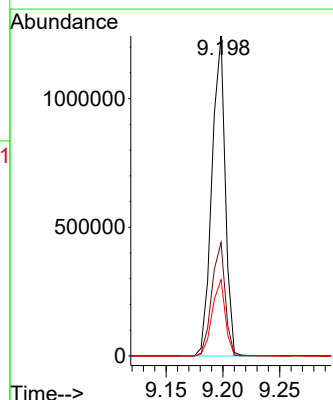
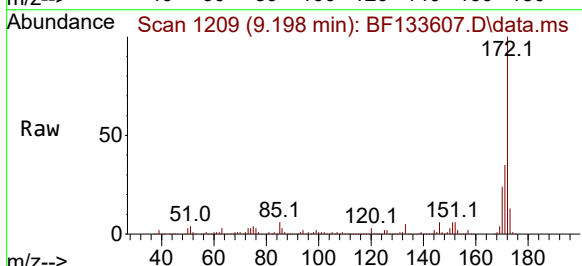
Tgt Ion:172 Resp: 1013428

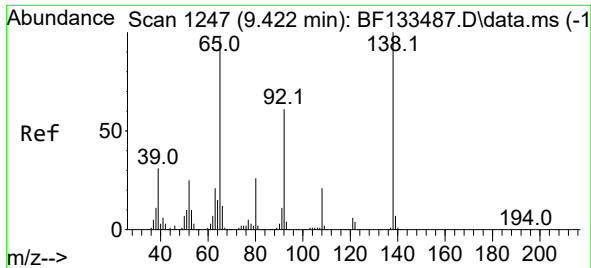
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.8 19.3 28.9

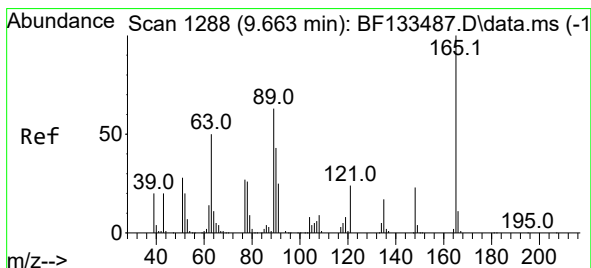
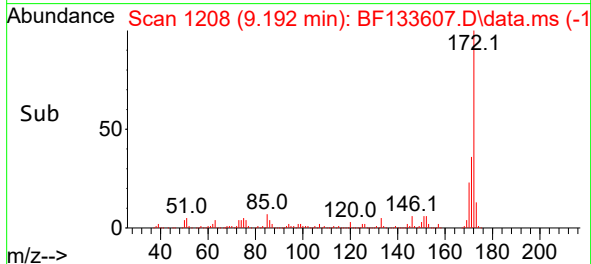
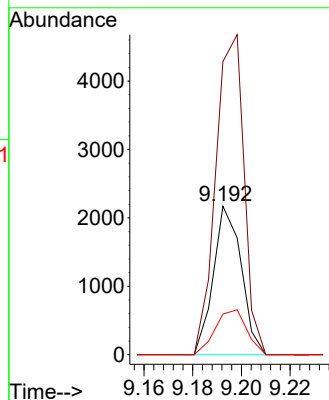
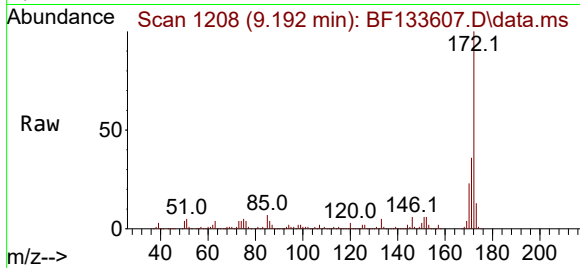




#48
2-Nitroaniline
Concen: 4.430 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.223 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

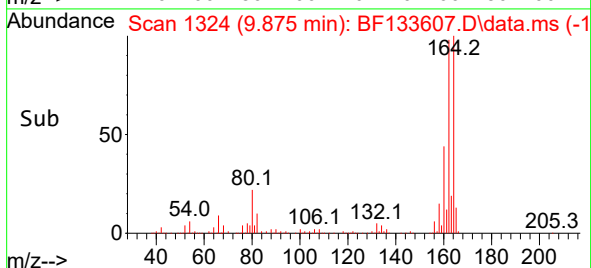
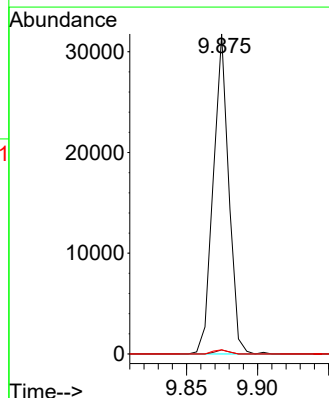
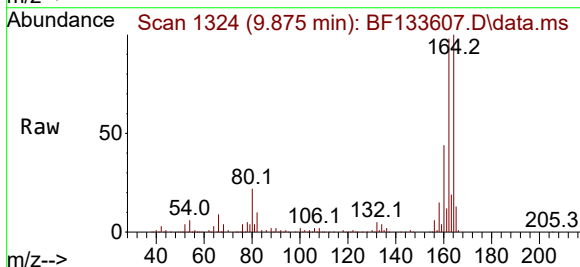
Instrument :
BNA_F
ClientSampleId :
VNJ-223

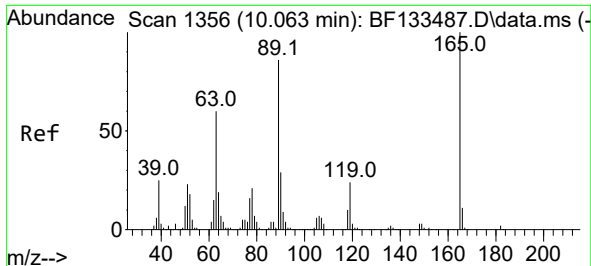
Tgt Ion: 65 Resp: 1727
Ion Ratio Lower Upper
65 100
92 197.2 50.8 76.2#
138 27.3 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.444 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

Tgt Ion: 165 Resp: 24181
Ion Ratio Lower Upper
165 100
63 1.2 57.0 85.4#
89 1.3 50.8 76.2#

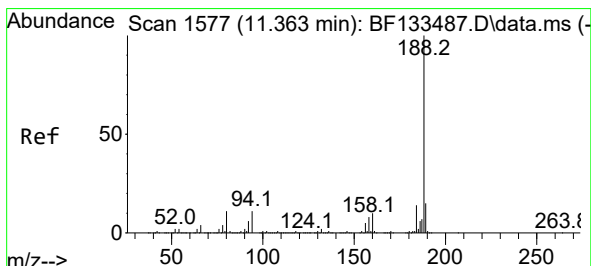
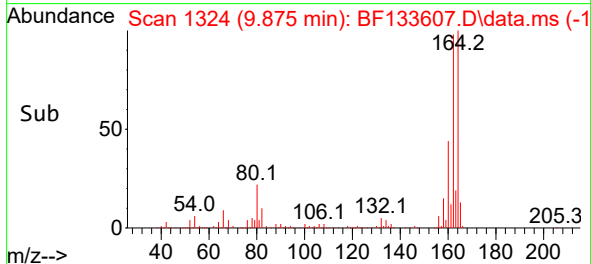
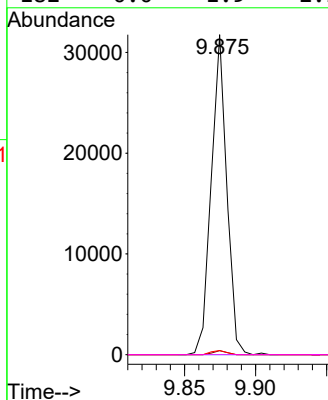
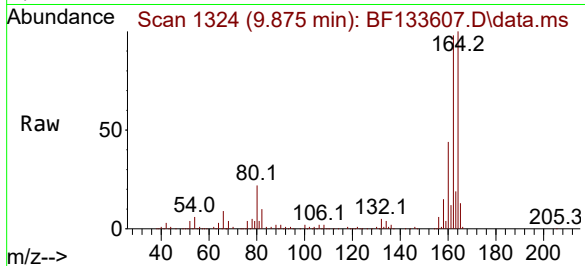




#57
2,4-Dinitrotoluene
Concen: 11.636 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

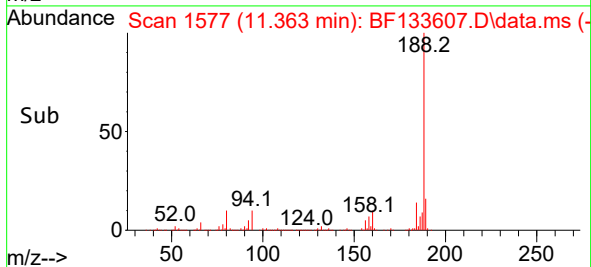
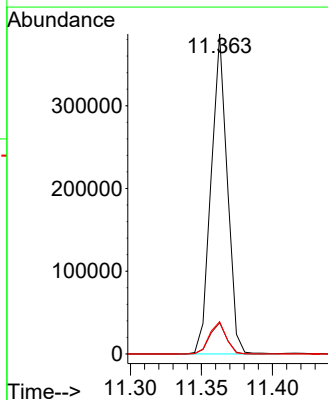
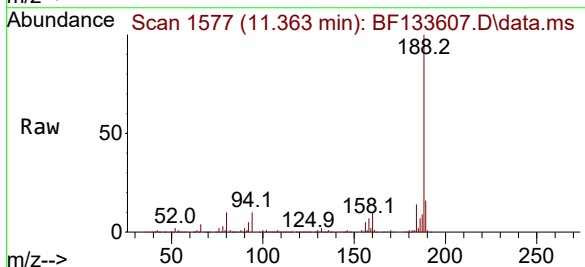
Instrument :
BNA_F
ClientSampleId :
VNJ-223

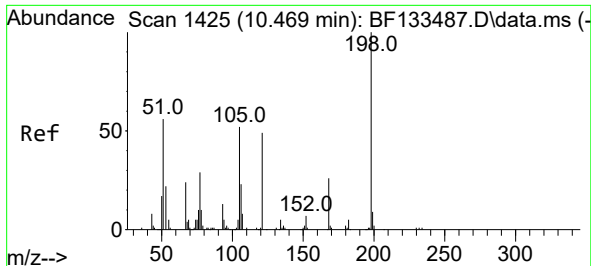
Tgt Ion:165 Resp: 24181
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF133607.D
Acq: 07 Jun 2023 01:07

Tgt Ion:188 Resp: 305582
Ion Ratio Lower Upper
188 100
94 9.8 8.6 12.8
80 10.1 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.941 ng

RT: 10.663 min Scan# 14

Delta R.T. 0.188 min

Lab File: BF133607.D

Acq: 07 Jun 2023 01:07

Instrument :

BNA_F

ClientSampleId :

VNJ-223

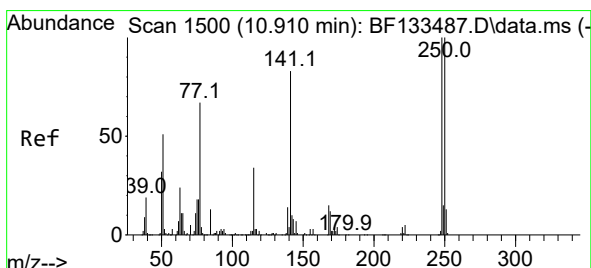
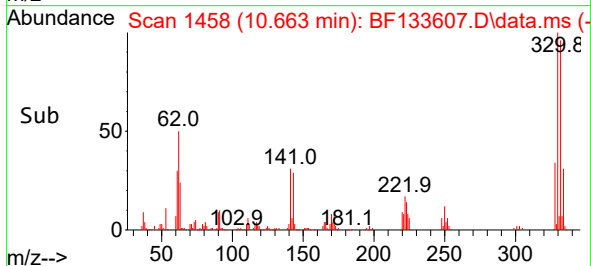
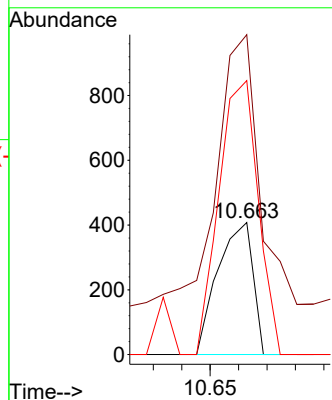
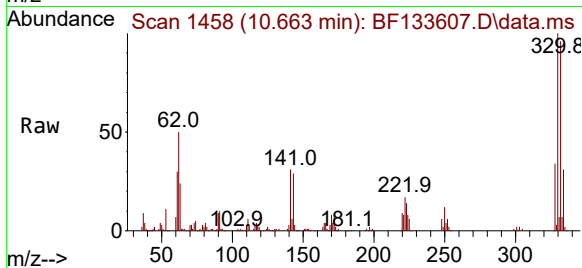
Tgt Ion:198 Resp: 350

Ion Ratio Lower Upper

198 100

51 242.2 53.6 93.6#

105 207.4 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 2.723 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.247 min

Lab File: BF133607.D

Acq: 07 Jun 2023 01:07

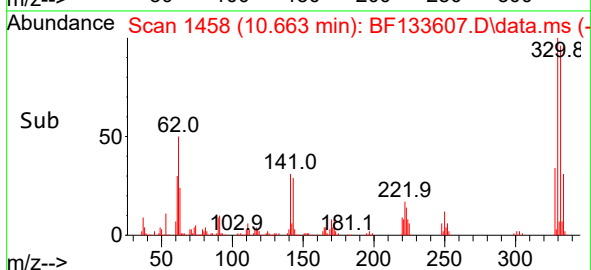
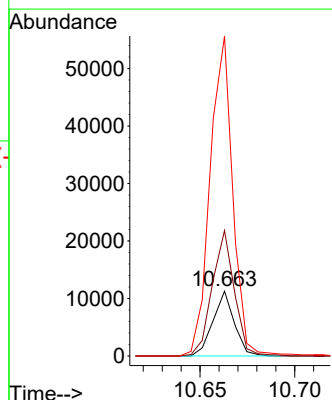
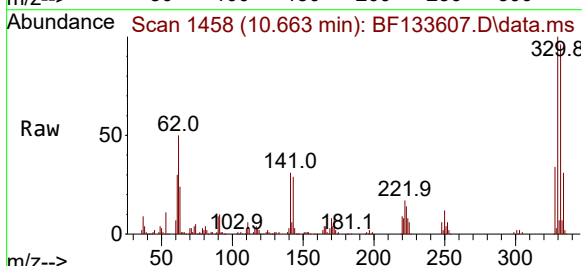
Tgt Ion:248 Resp: 8836

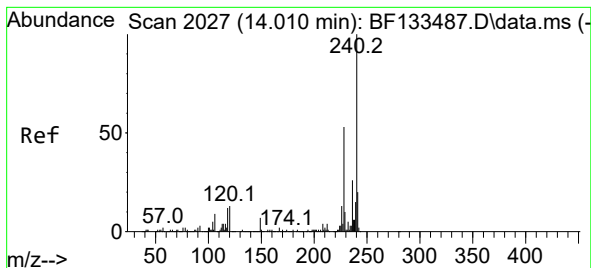
Ion Ratio Lower Upper

248 100

250 193.4 79.7 119.5#

141 493.2 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF133607.D

Acq: 07 Jun 2023 01:07

Instrument :

BNA_F

ClientSampleId :

VNJ-223

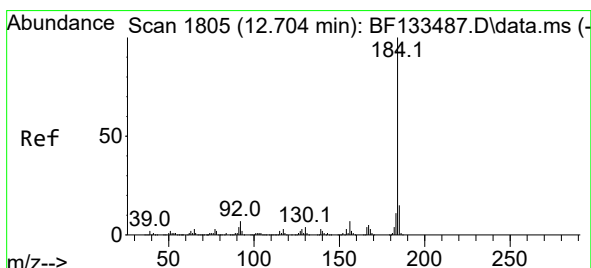
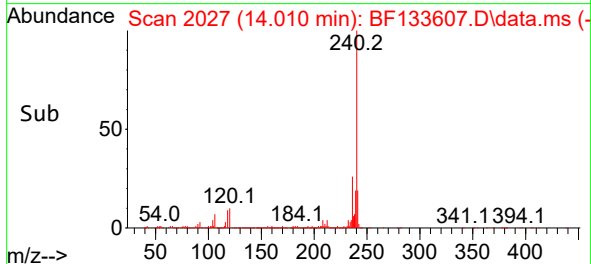
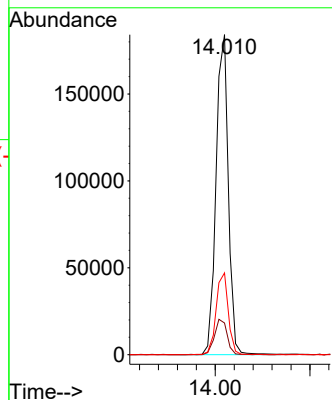
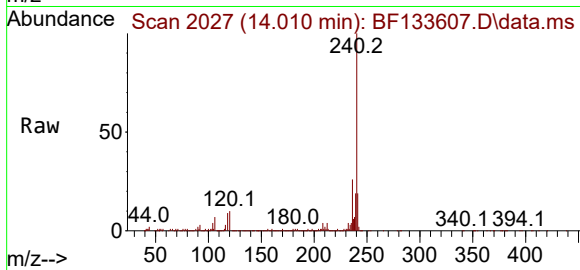
Tgt Ion:240 Resp: 164985

Ion Ratio Lower Upper

240 100

120 9.9 10.3 15.5#

236 25.6 20.5 30.7



#77

Benzidine

Concen: 2.502 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.259 min

Lab File: BF133607.D

Acq: 07 Jun 2023 01:07

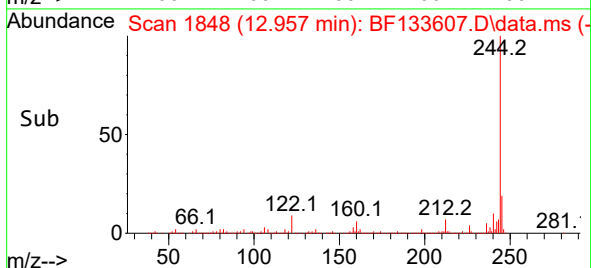
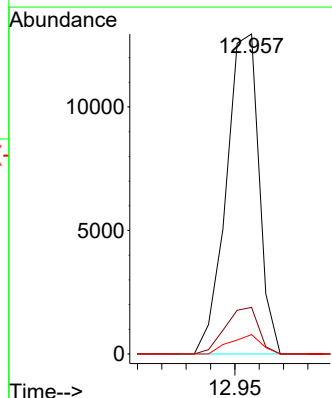
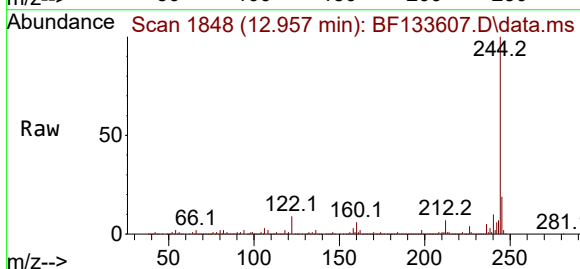
Tgt Ion:184 Resp: 12075

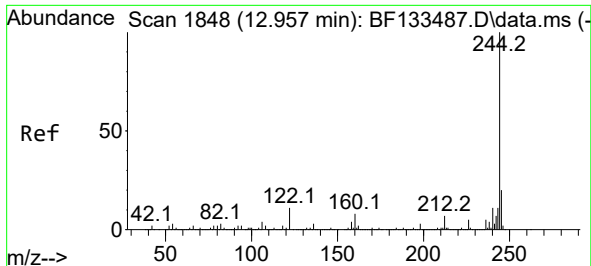
Ion Ratio Lower Upper

184 100

185 14.6 12.2 18.2

183 6.1 8.7 13.1#

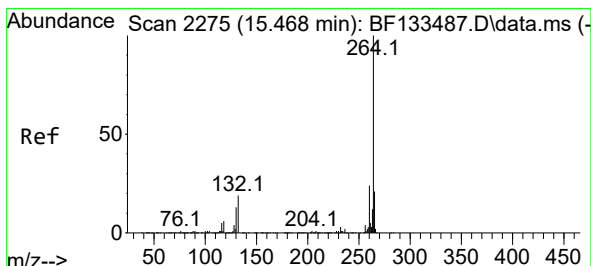
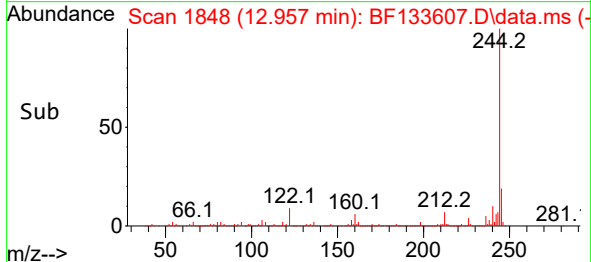
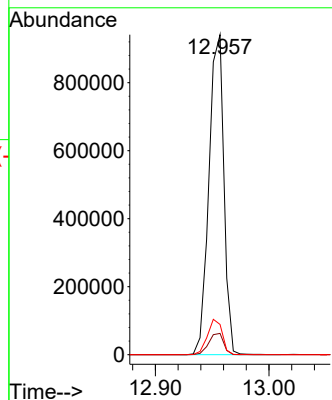
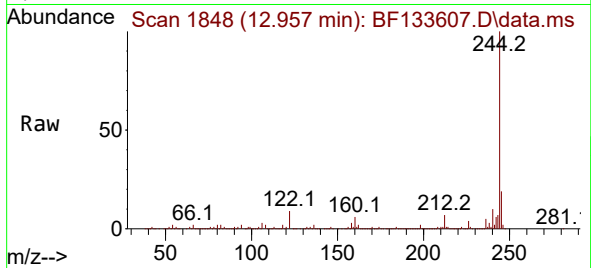




#79
 Terphenyl-d14
 Concen: 92.655 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133607.D
 Acq: 07 Jun 2023 01:07

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Tgt Ion:244 Resp: 859774
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 9.5 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. 0.006 min
 Lab File: BF133607.D
 Acq: 07 Jun 2023 01:07

Tgt Ion:264 Resp: 138592
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.4
 265 20.4 16.8 25.2

