

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133637.D
 Acq On : 08 Jun 2023 12:27
 Operator : CG\JU
 Sample : 03016-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB29

Quant Time: Jun 08 13:05:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

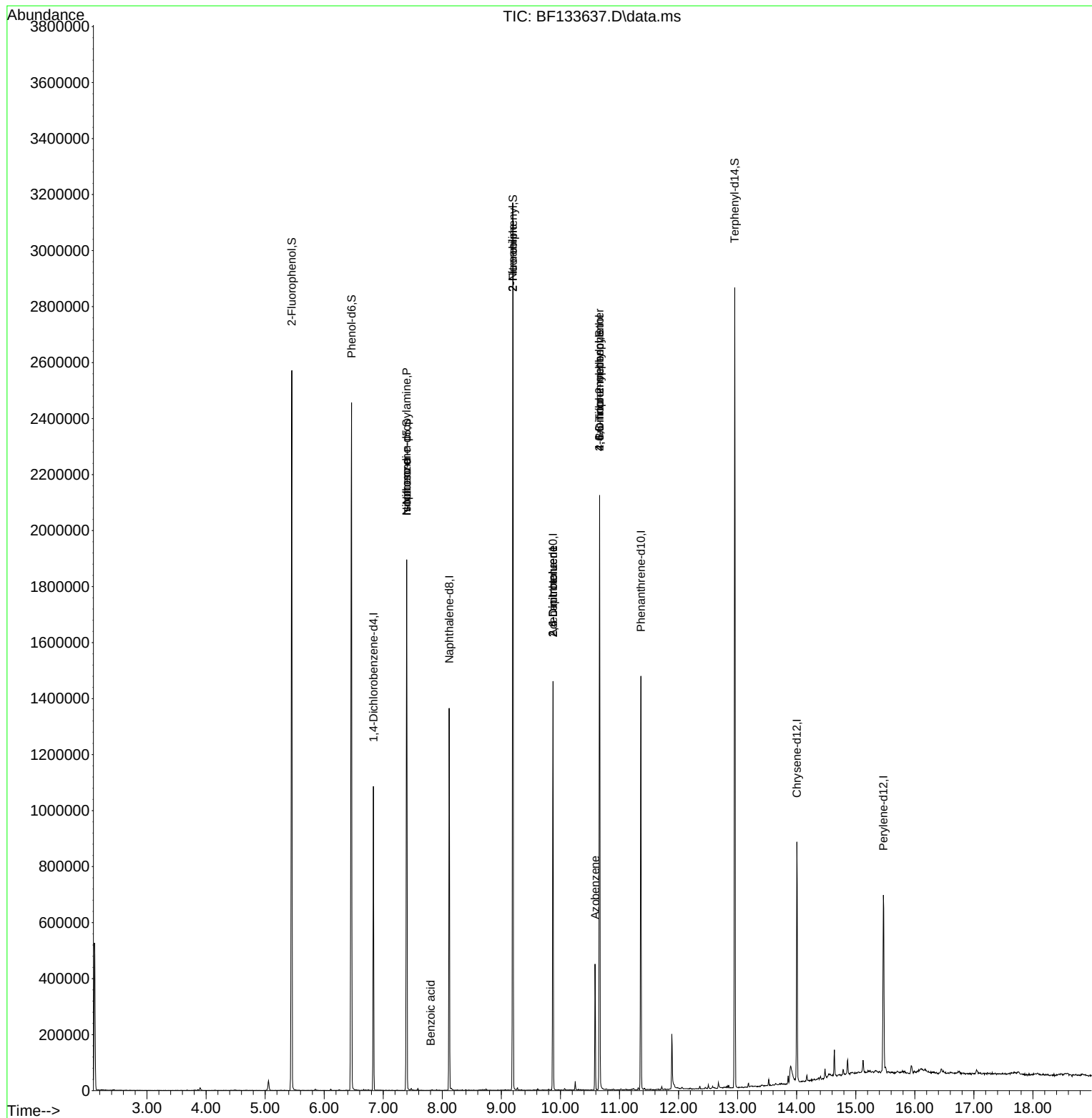
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	138735	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	532639	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	265949	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	496232	20.000	ng	0.00
76) Chrysene-d12	14.004	240	282385	20.000	ng	-0.01
86) Perylene-d12	15.468	264	294061	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	679730	81.746	ng	0.00
7) Phenol-d6	6.463	99	835854	81.658	ng	0.00
23) Nitrobenzene-d5	7.398	82	542657	68.024	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	252896	95.396	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	995976	57.802	ng	0.00
79) Terphenyl-d14	12.951	244	965832	60.812	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.381	77	222	Below Cal		87
19) n-Nitroso-di-n-propyla...	7.398	70	76391	11.534 ng	#	76
25) Isophorone	7.398	82	542652	29.187 ng	#	65
32) Benzoic acid	7.804	122	124	7.369 ng	#	63
48) 2-Nitroaniline	9.192	65	1902	4.337 ng	#	4
51) 2,6-Dinitrotoluene	9.875	165	34090	12.539 ng	#	18
57) 2,4-Dinitrotoluene	9.875	165	34090	11.710 ng	#	15
63) Azobenzene	10.586	77	71191	3.665 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.663	198	578	8.945 ng	#	1
67) 4-Bromophenyl-phenylether	10.663	248	14927	2.832 ng	#	1

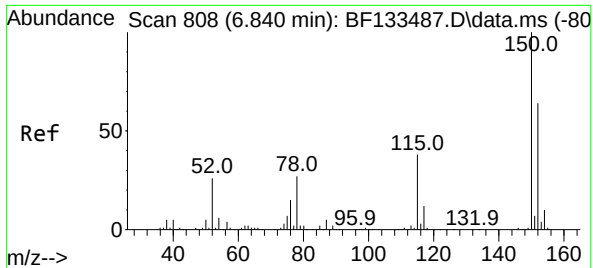
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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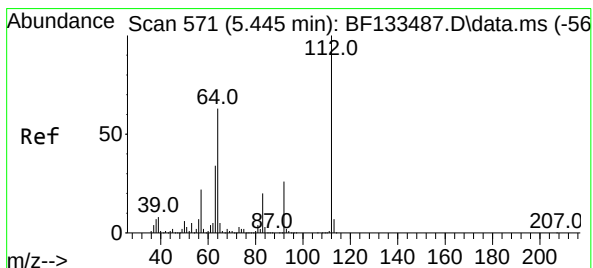
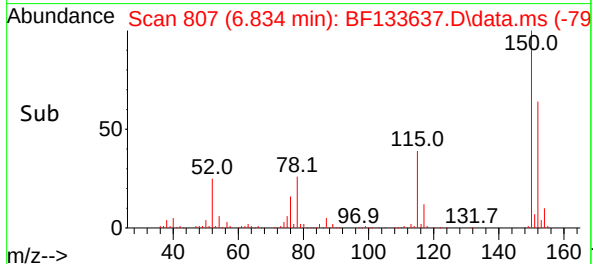
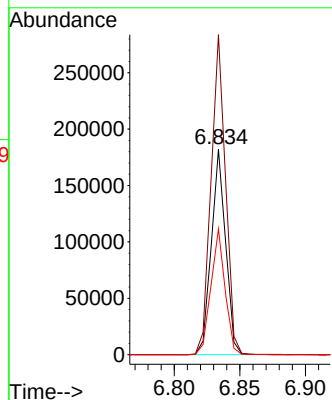
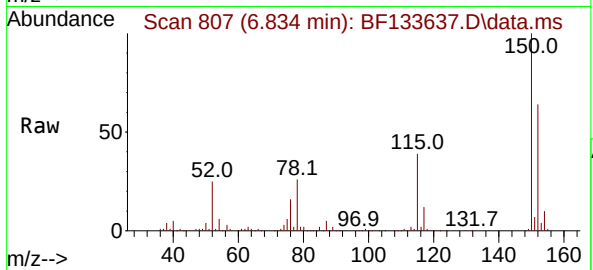




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

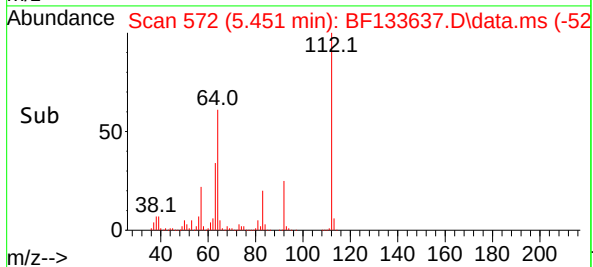
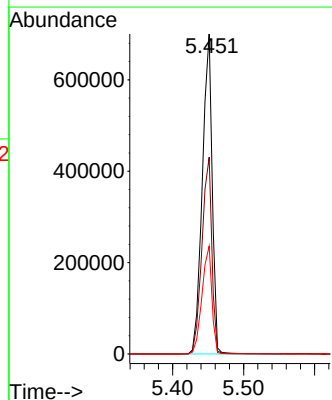
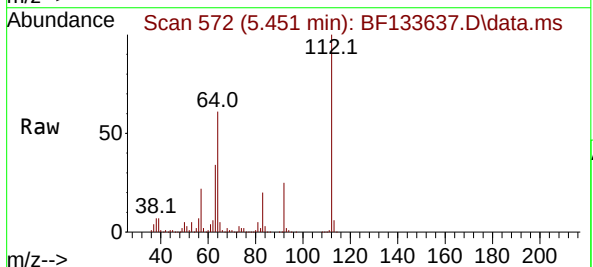
Instrument :
BNA_F
ClientSampleId :
SB29

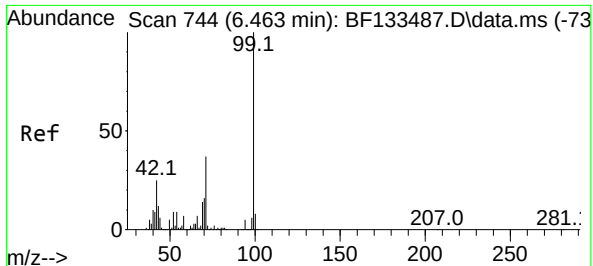
Tgt Ion:152 Resp: 138735
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 61.2 48.1 72.1



#5
2-Fluorophenol
Concen: 81.746 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

Tgt Ion:112 Resp: 679730
Ion Ratio Lower Upper
112 100
64 61.5 50.1 75.1
63 33.7 27.5 41.3

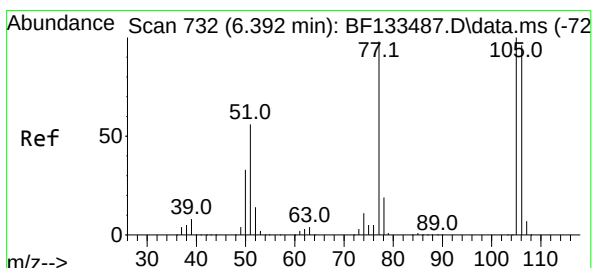
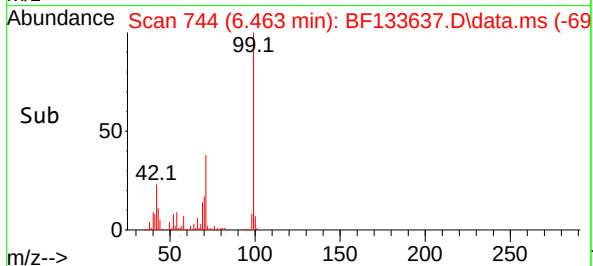
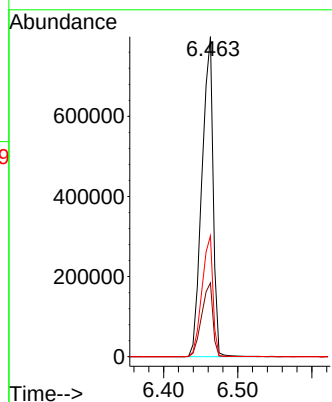
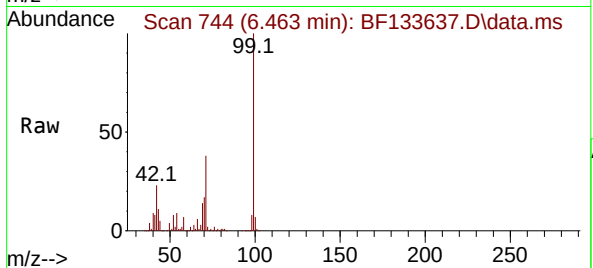




#7
Phenol-d6
Concen: 81.658 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

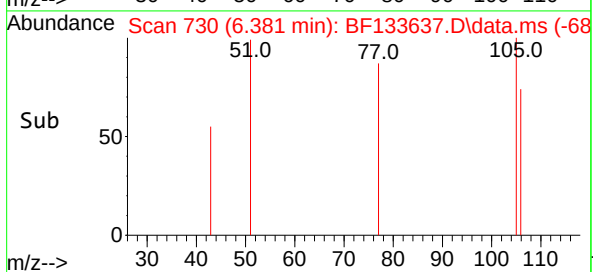
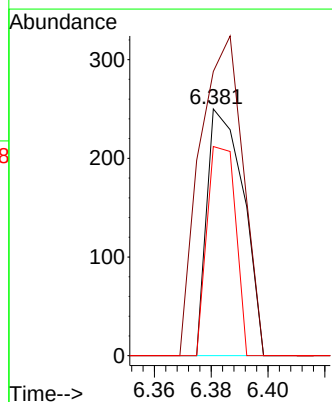
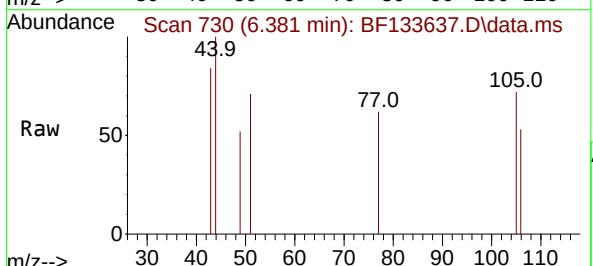
Instrument :
BNA_F
ClientSampleId :
SB29

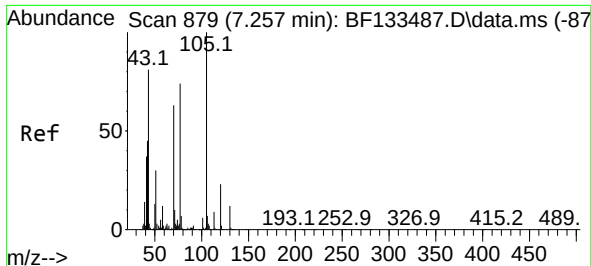
Tgt Ion: 99 Resp: 835854
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 37.7 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

Tgt Ion: 77 Resp: 222
Ion Ratio Lower Upper
77 100
105 115.2 81.9 121.9
106 84.8 77.8 117.8

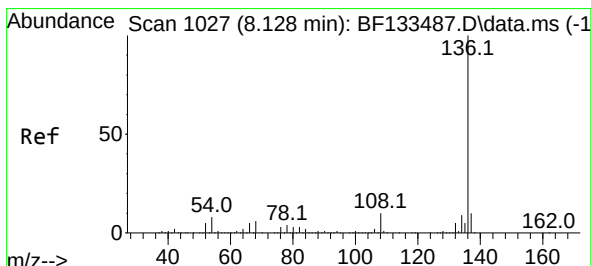
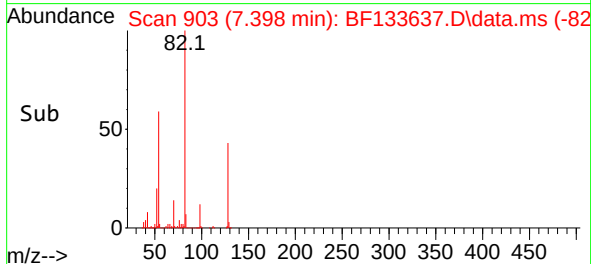
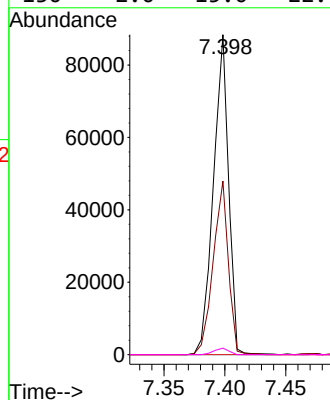
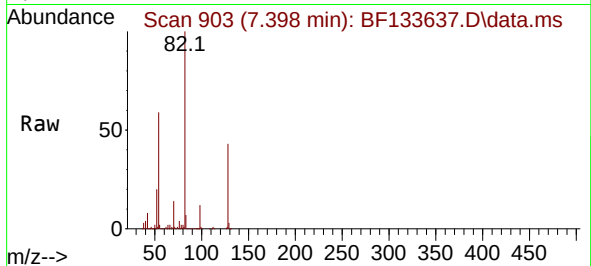




#19
n-Nitroso-di-n-propylamine
Concen: 11.534 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

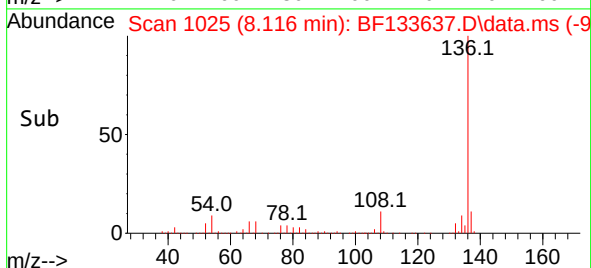
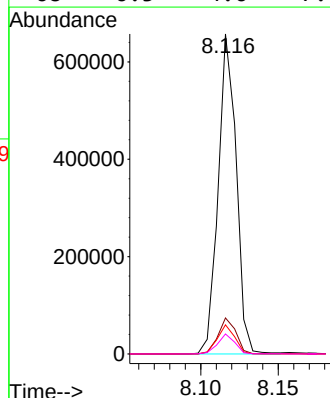
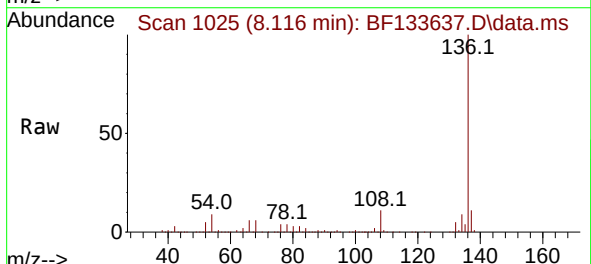
Instrument :
BNA_F
ClientSampleId :
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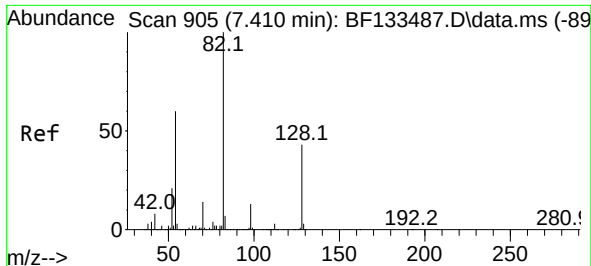
Tgt Ion: 70	Resp: 76391
Ion Ratio	Lower Upper
70 100	
42 54.2	57.2 85.8#
101 0.0	7.3 10.9#
130 2.0	15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

Tgt Ion: 136	Resp: 532639
Ion Ratio	Lower Upper
136 100	
137 11.3	8.2 12.4
54 9.1	6.6 10.0
68 6.3	4.6 7.0





#23

Nitrobenzene-d5

Concen: 68.024 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133637.D

Acq: 08 Jun 2023 12:27

Instrument :

BNA_F

ClientSampleId :

SB29

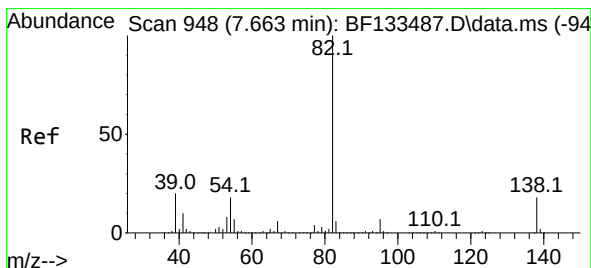
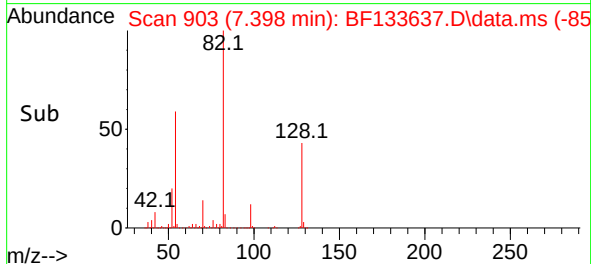
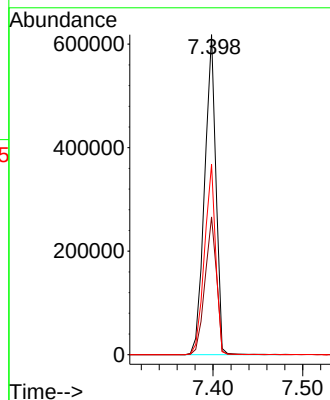
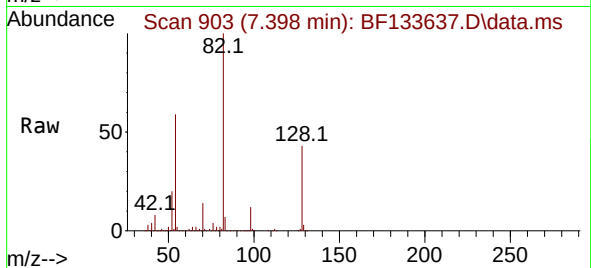
Tgt Ion: 82 Resp: 542657

Ion Ratio Lower Upper

82 100

128 43.1 34.2 51.4

54 59.4 48.2 72.4



#25

Isophorone

Concen: 29.187 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133637.D

Acq: 08 Jun 2023 12:27

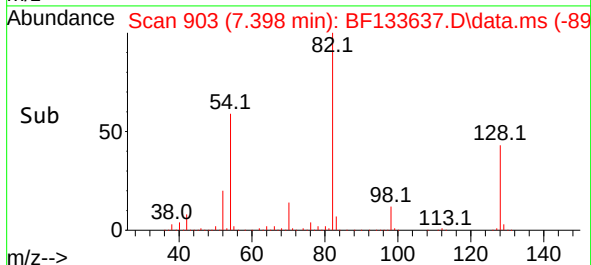
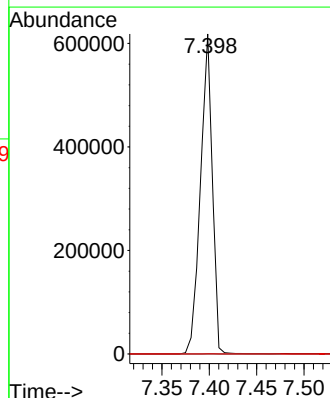
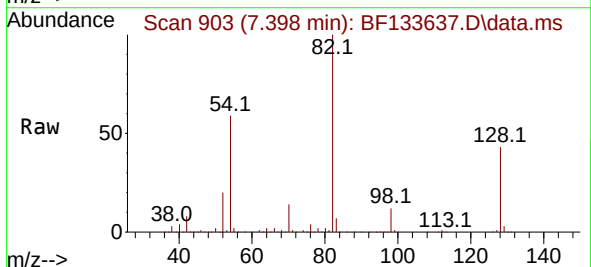
Tgt Ion: 82 Resp: 542652

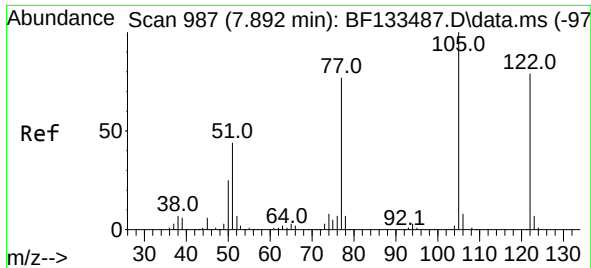
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

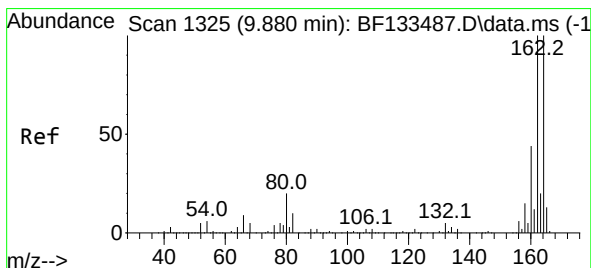
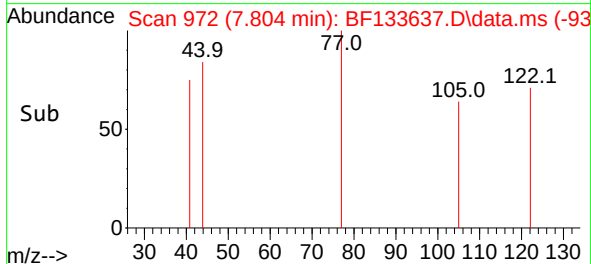
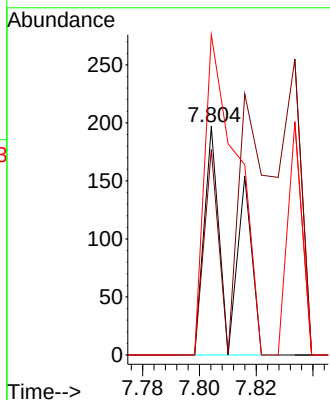
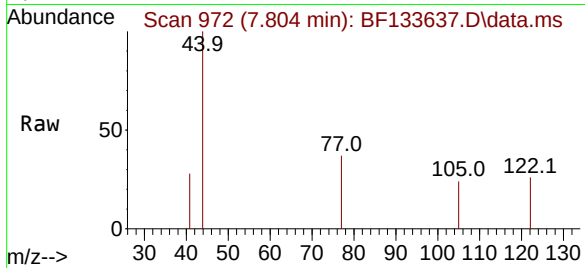




#32
Benzoic acid
Concen: 7.369 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.082 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

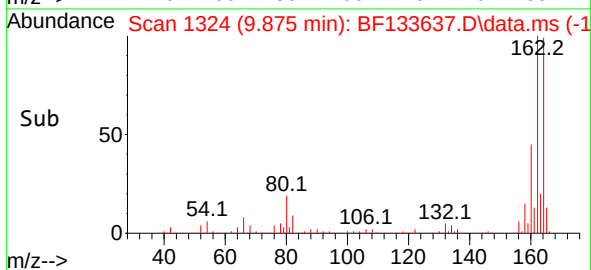
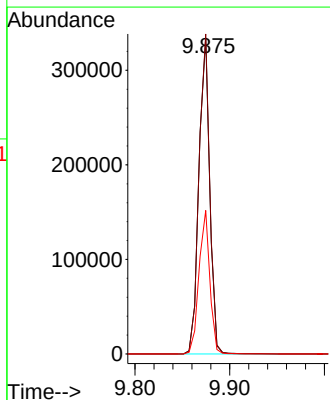
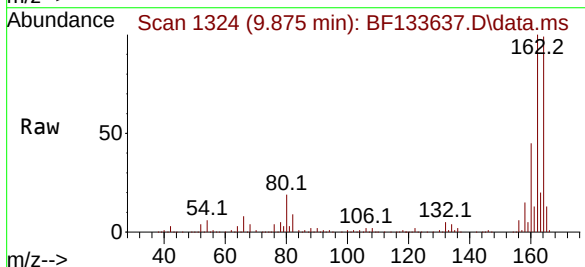
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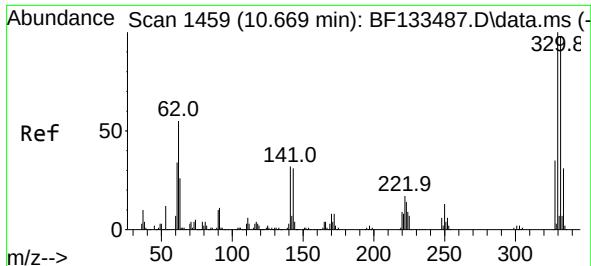
Tgt Ion:122 Resp: 124
Ion Ratio Lower Upper
122 100
105 89.8 103.3 143.3#
77 140.1 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

Tgt Ion:164 Resp: 265949
Ion Ratio Lower Upper
164 100
162 101.1 79.7 119.5
160 45.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 95.396 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133637.D

Acq: 08 Jun 2023 12:27

Instrument :

BNA_F

ClientSampleId :

SB29

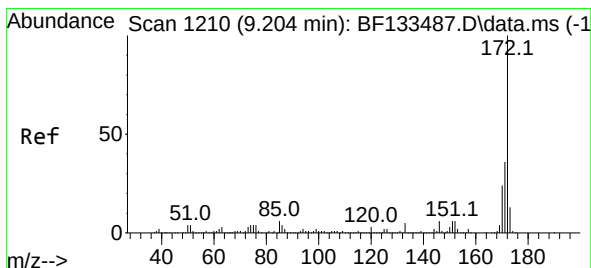
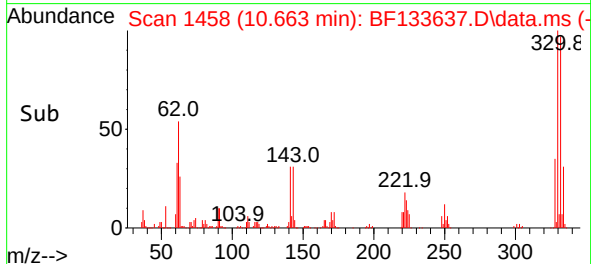
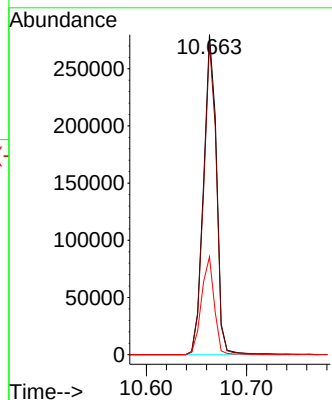
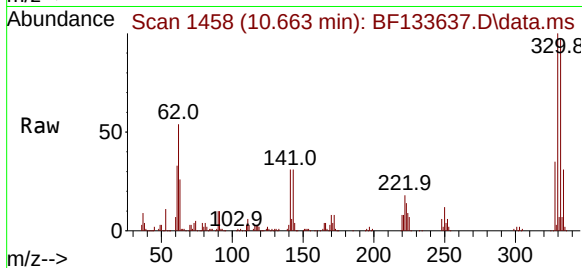
Tgt Ion:330 Resp: 252896

Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.6

141 30.2 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 57.802 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF133637.D

Acq: 08 Jun 2023 12:27

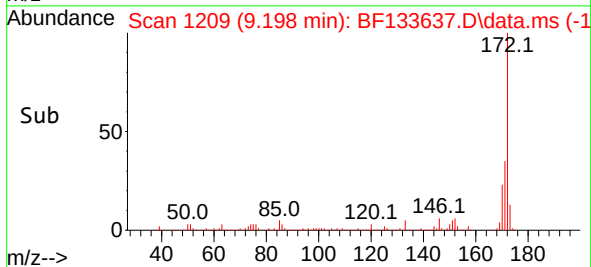
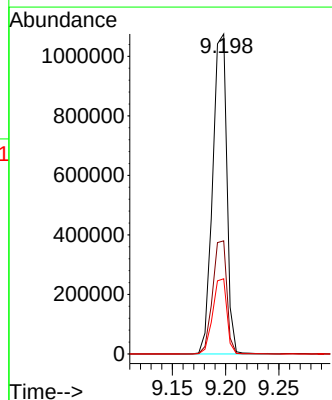
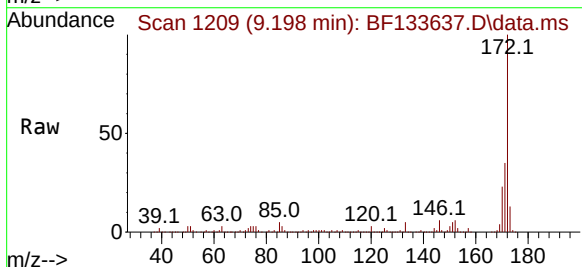
Tgt Ion:172 Resp: 995976

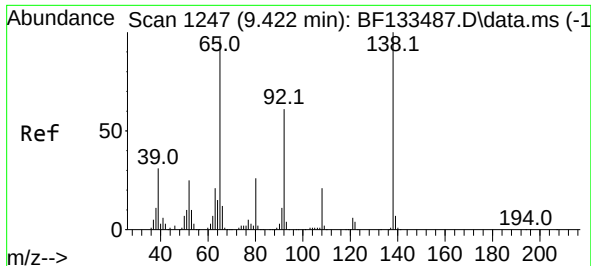
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.5 19.3 28.9

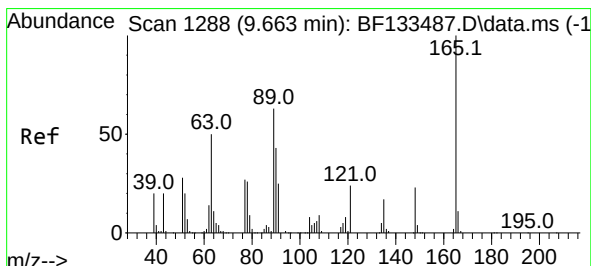
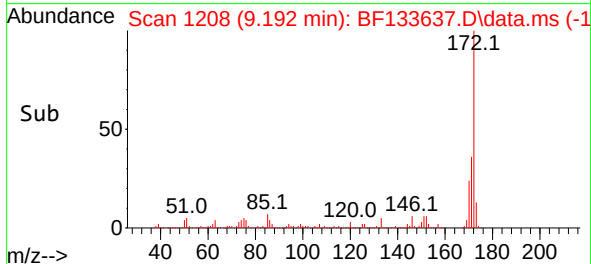
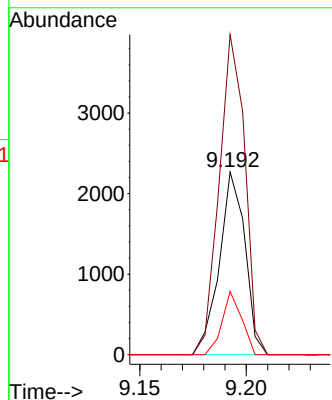
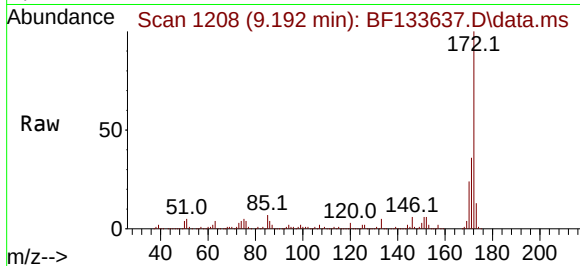




#48
2-Nitroaniline
Concen: 4.337 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

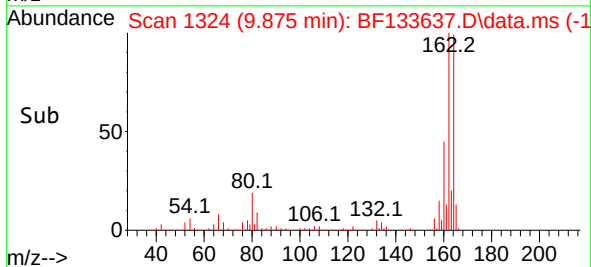
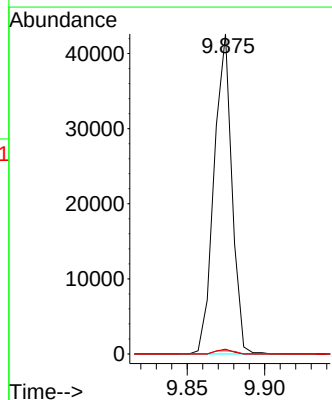
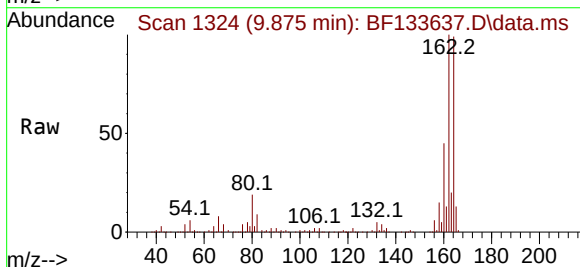
Instrument :
BNA_F
ClientSampleId :
SB29

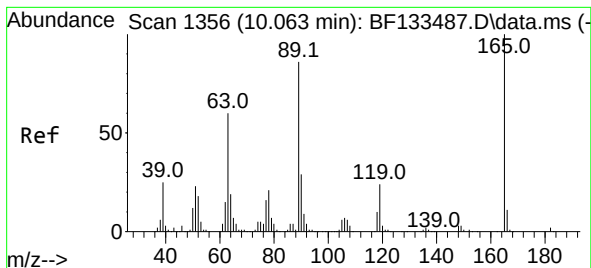
Tgt Ion: 65 Resp: 1902
Ion Ratio Lower Upper
65 100
92 175.3 50.8 76.2#
138 34.6 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.539 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

Tgt Ion: 165 Resp: 34090
Ion Ratio Lower Upper
165 100
63 1.5 57.0 85.4#
89 1.0 50.8 76.2#

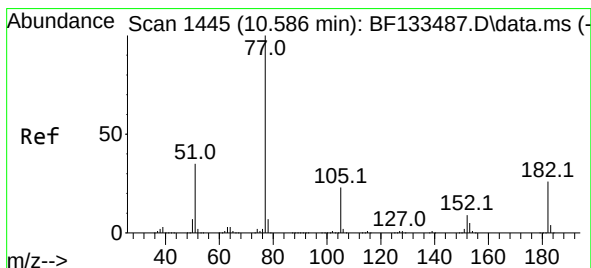
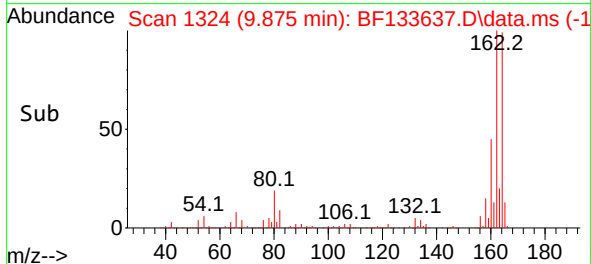
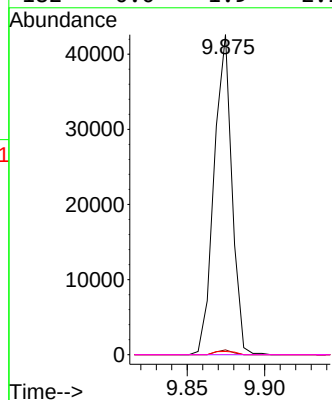
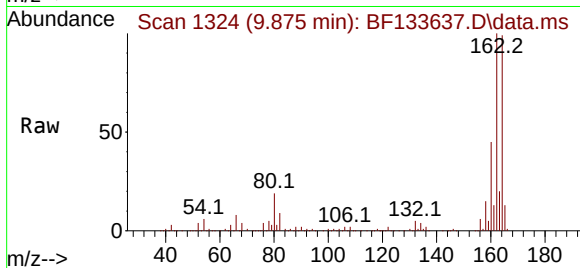




#57
2,4-Dinitrotoluene
Concen: 11.710 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

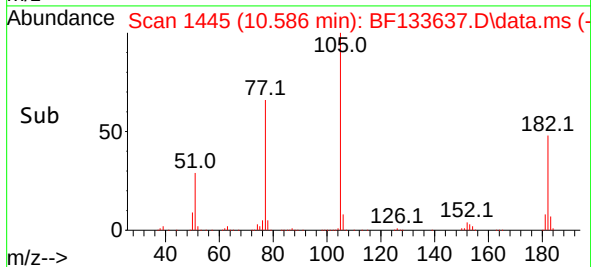
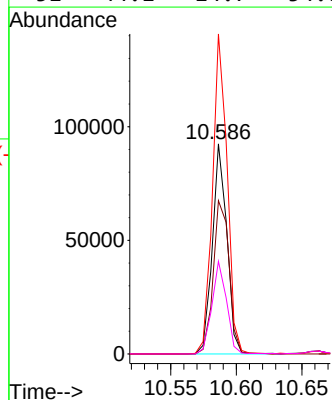
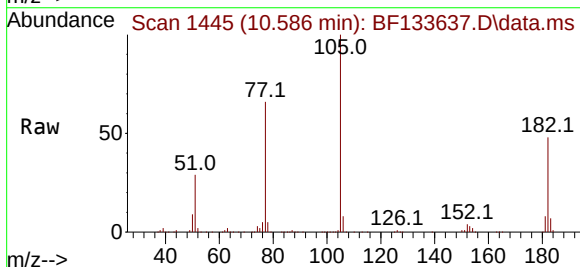
Instrument :
BNA_F
ClientSampleId :
SB29

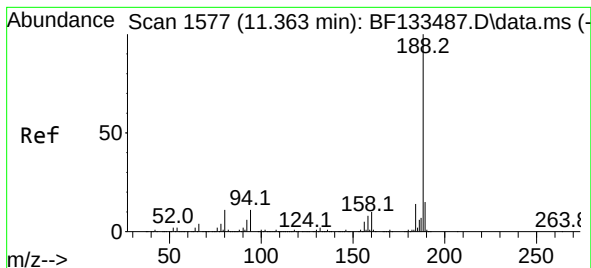
Tgt Ion:165 Resp: 34090
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.0 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 3.665 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF133637.D
Acq: 08 Jun 2023 12:27

Tgt Ion: 77 Resp: 71191
Ion Ratio Lower Upper
77 100
182 73.0 5.6 45.6#
105 152.3 2.6 42.6#
51 44.1 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133637.D

Acq: 08 Jun 2023 12:27

Instrument :

BNA_F

ClientSampleId :

SB29

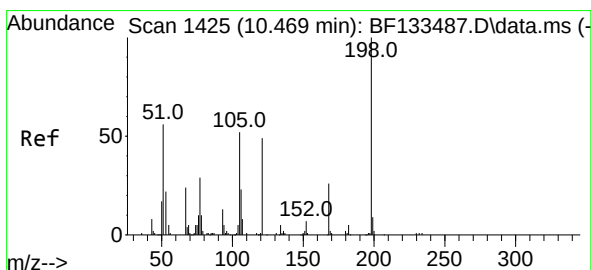
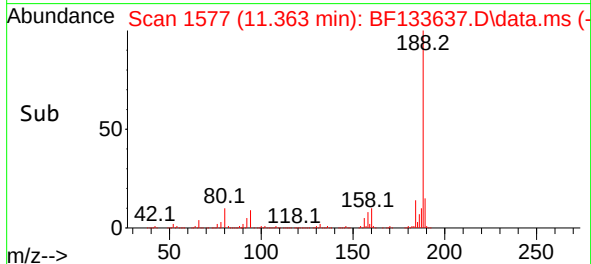
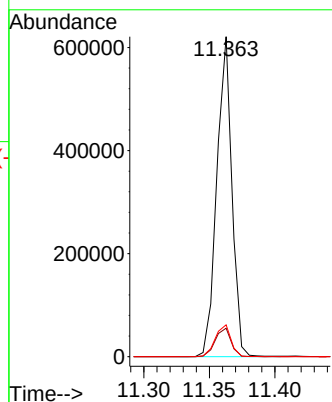
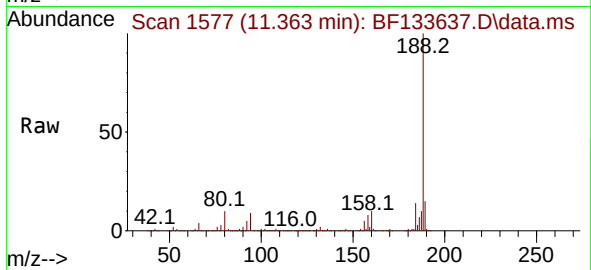
Tgt Ion:188 Resp: 496232

Ion Ratio Lower Upper

188 100

94 8.9 8.6 12.8

80 9.9 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.945 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.182 min

Lab File: BF133637.D

Acq: 08 Jun 2023 12:27

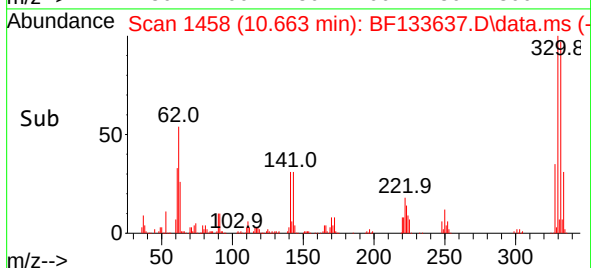
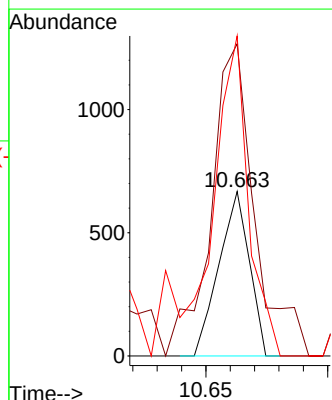
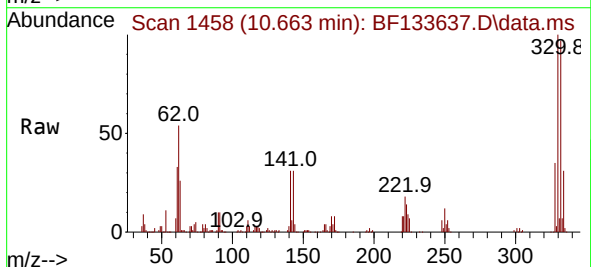
Tgt Ion:198 Resp: 578

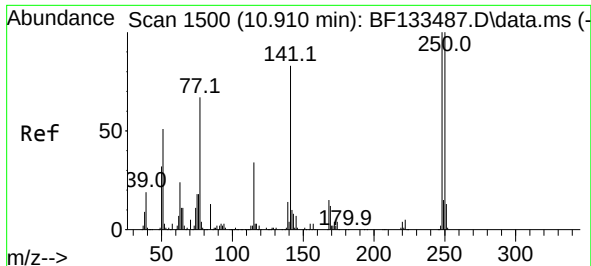
Ion Ratio Lower Upper

198 100

51 189.7 53.6 93.6#

105 194.5 35.9 75.9#





#67

4-Bromophenyl-phenylether

Concen: 2.832 ng

RT: 10.663 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF133637.D

Acq: 08 Jun 2023 12:27

Instrument :

BNA_F

ClientSampleId :

SB29

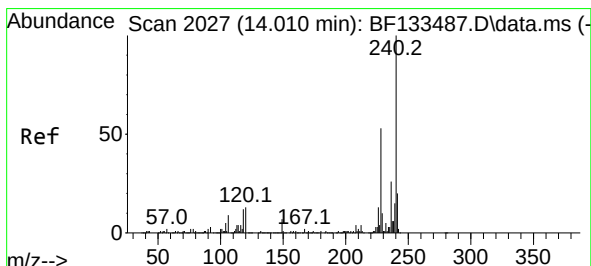
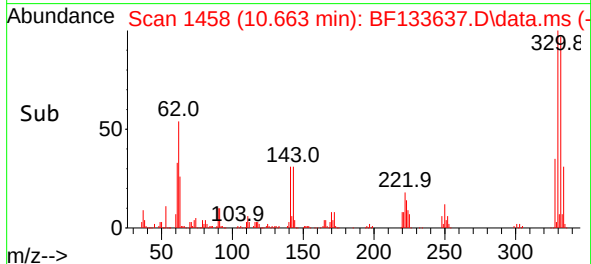
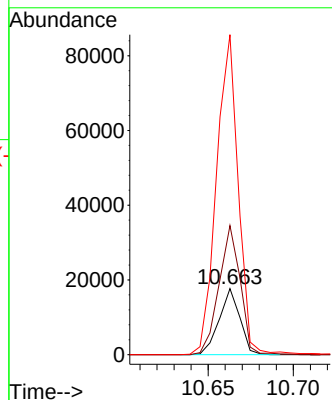
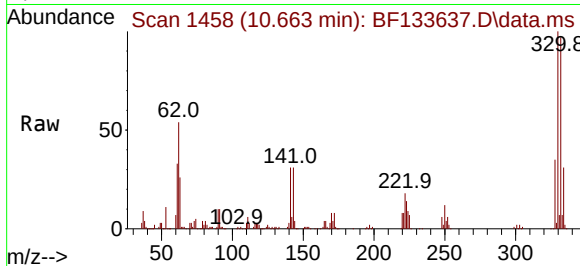
Tgt Ion:248 Resp: 14927

Ion Ratio Lower Upper

248 100

250 195.6 79.7 119.5#

141 484.8 66.6 100.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF133637.D

Acq: 08 Jun 2023 12:27

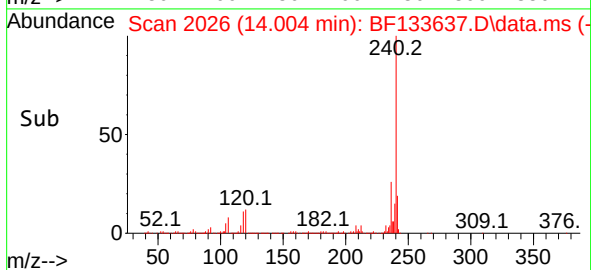
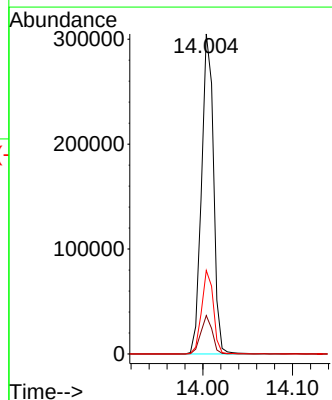
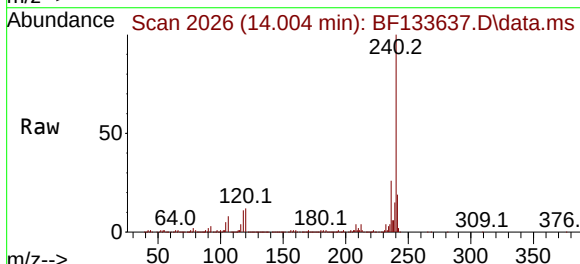
Tgt Ion:240 Resp: 282385

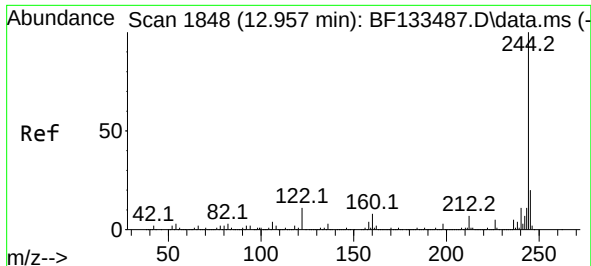
Ion Ratio Lower Upper

240 100

120 12.0 10.3 15.5

236 26.1 20.5 30.7

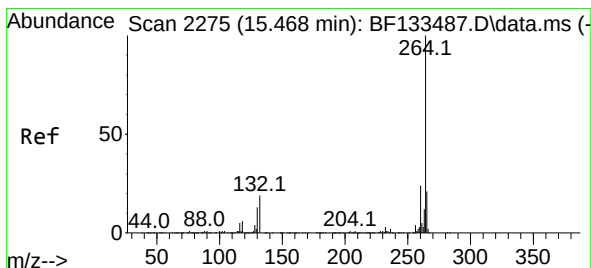
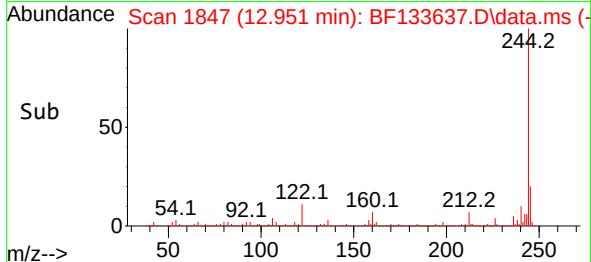
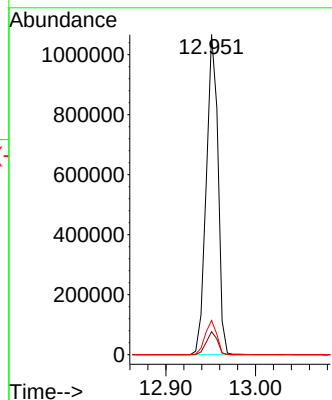
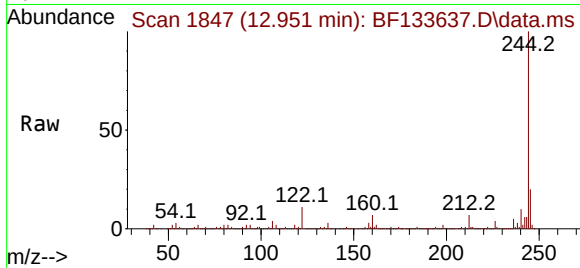




#79
 Terphenyl-d14
 Concen: 60.812 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133637.D
 Acq: 08 Jun 2023 12:27

Instrument :
 BNA_F
 ClientSampleId :
 SB29

Tgt Ion:244 Resp: 965832
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 10.7 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 2275
 Delta R.T. -0.012 min
 Lab File: BF133637.D
 Acq: 08 Jun 2023 12:27

Tgt Ion:264 Resp: 294061
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.0 28.4
 265 21.3 16.8 25.2

