

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133554.D
 Acq On : 31 May 2023 23:10
 Operator : CG\JU
 Sample : 02971-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC15

Quant Time: Jun 01 02:05:45 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)

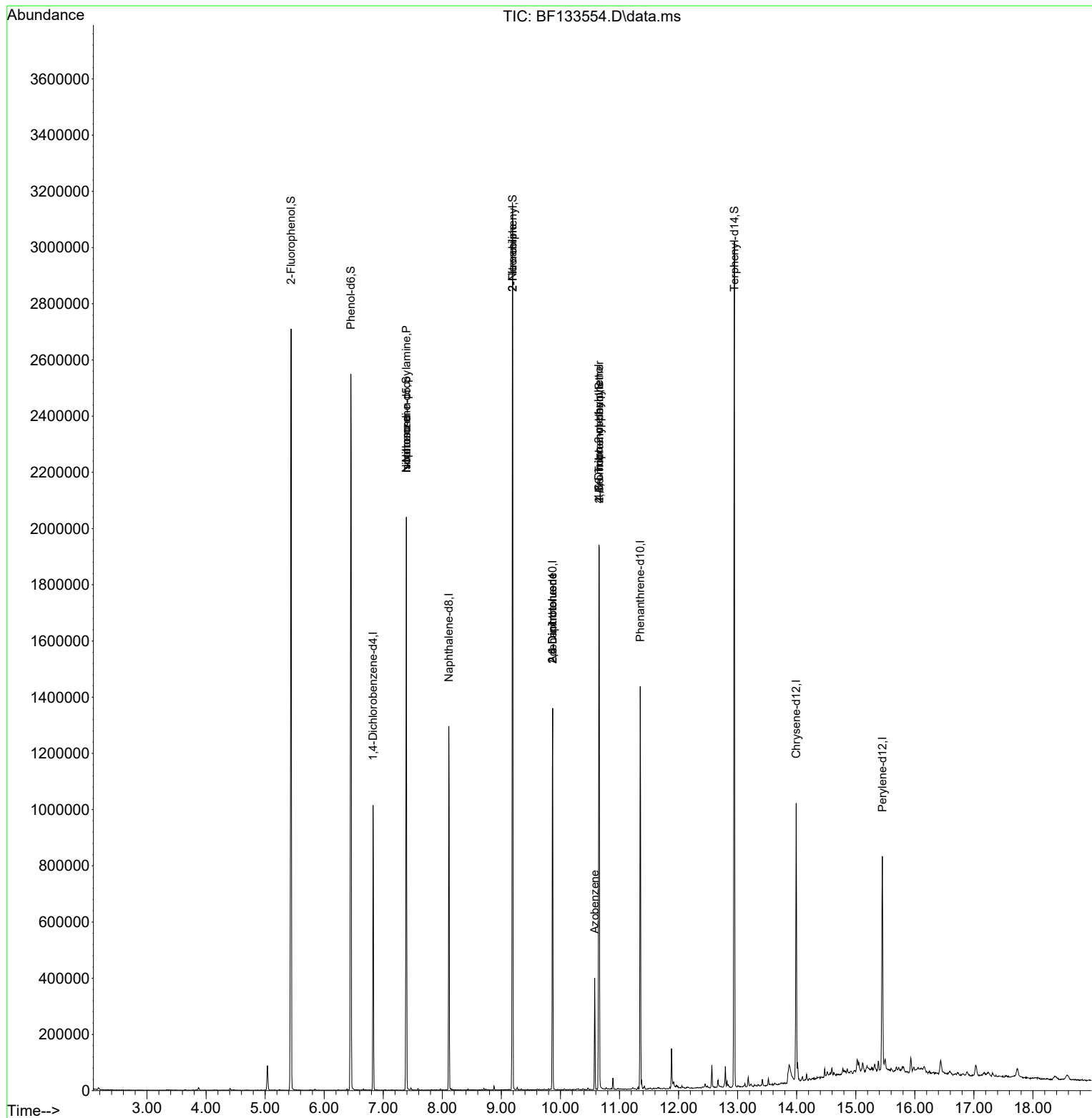
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	135498	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	515699	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	254714	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	491868	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	291581	20.000	ng	-0.01
86) Perylene-d12	15.451	264	335856	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	703733	86.655	ng	0.00
7) Phenol-d6	6.451	99	898473	89.873	ng	-0.01
23) Nitrobenzene-d5	7.392	82	540977	70.041	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	246882	97.235	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	985993	59.746	ng	0.00
79) Terphenyl-d14	12.945	244	1013515	61.801	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.457	77	1494	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	73382	11.345	ng	# 77
25) Isophorone	7.392	82	540971	30.053	ng	# 65
48) 2-Nitroaniline	9.186	65	1808	4.335	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	32634	12.534	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	32634	11.707	ng	# 16
63) Azobenzene	10.580	77	59637	3.206	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.651	198	588	8.951	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	14982	2.868	ng	# 1

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

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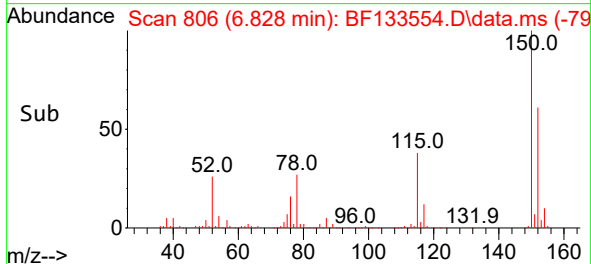
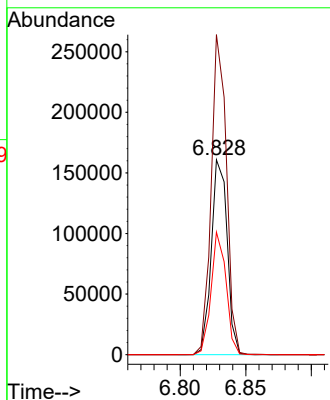
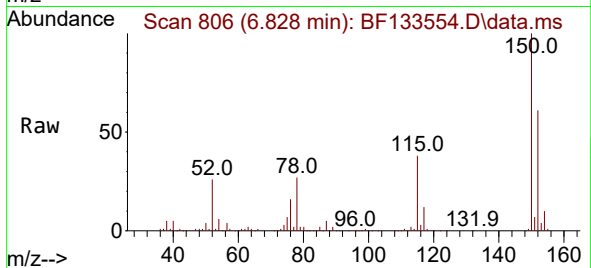




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

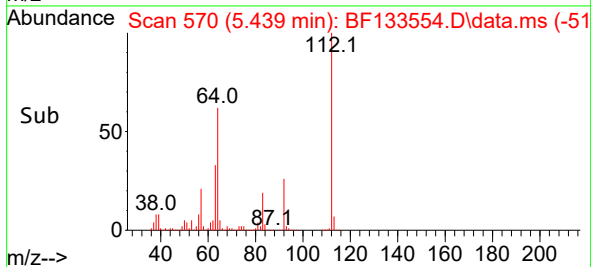
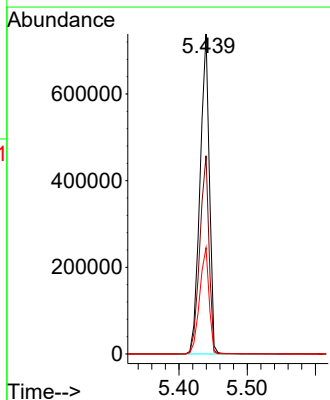
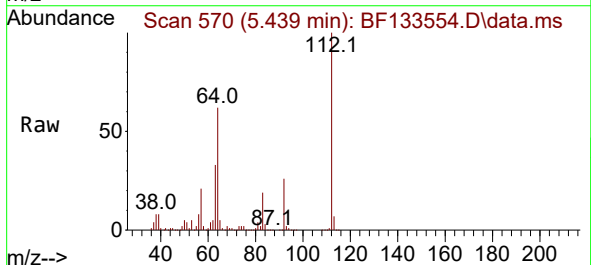
Instrument :
BNA_F
ClientSampleId :
WC15

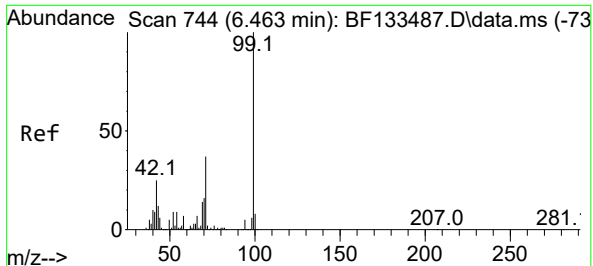
Tgt Ion:152 Resp: 135498
Ion Ratio Lower Upper
152 100
150 164.3 124.9 187.3
115 62.9 48.1 72.1



#5
2-Fluorophenol
Concen: 86.655 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

Tgt Ion:112 Resp: 703733
Ion Ratio Lower Upper
112 100
64 62.0 50.1 75.1
63 33.2 27.5 41.3

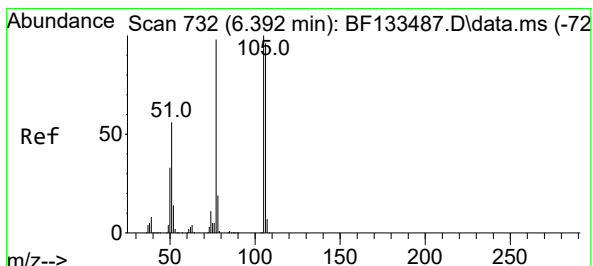
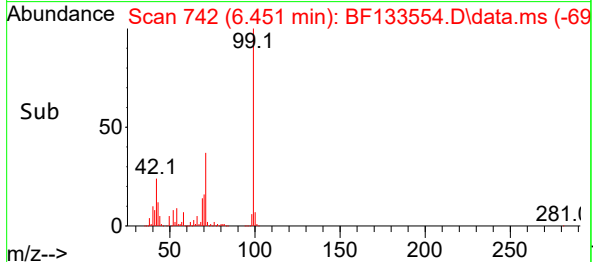
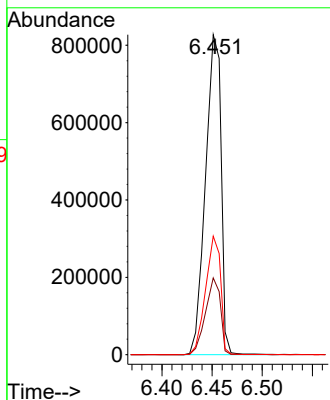
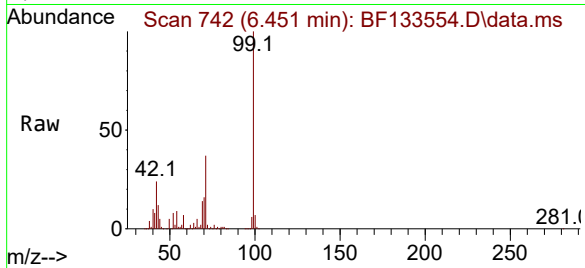




#7
Phenol-d6
Concen: 89.873 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

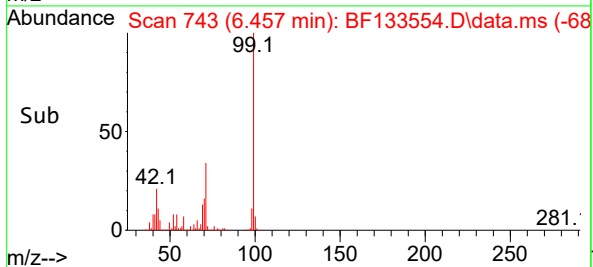
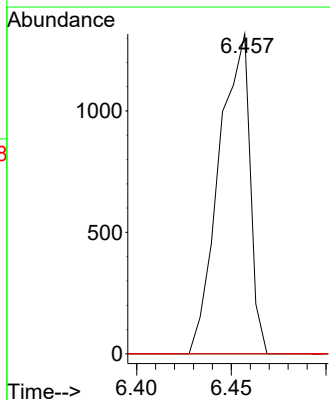
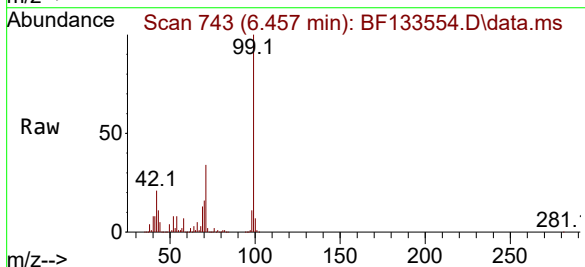
Instrument :
BNA_F
ClientSampleId :
WC15

Tgt Ion: 99 Resp: 898473
Ion Ratio Lower Upper
99 100
42 24.0 19.7 29.5
71 37.1 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.070 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

Tgt Ion: 77 Resp: 1494
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

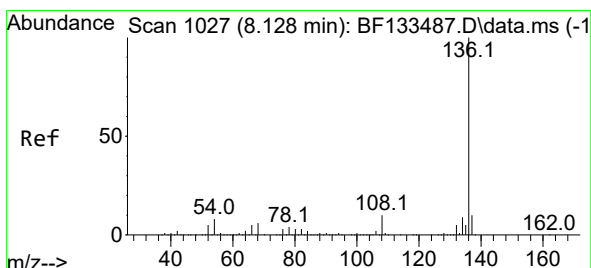
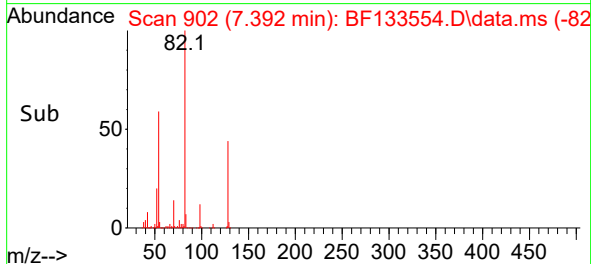
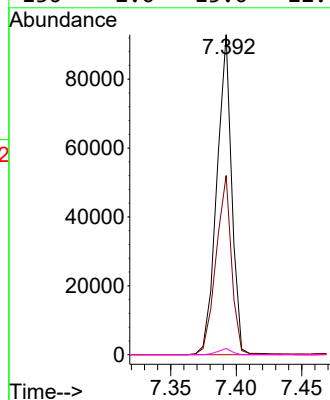
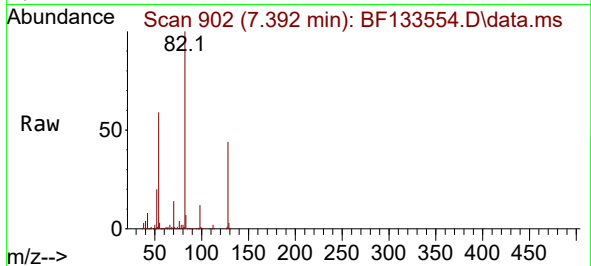




#19
n-Nitroso-di-n-propylamine
Concen: 11.345 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

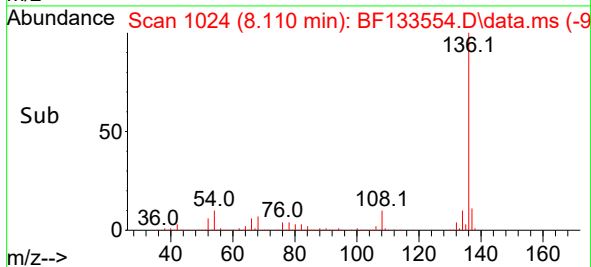
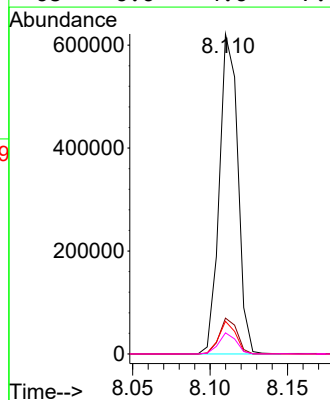
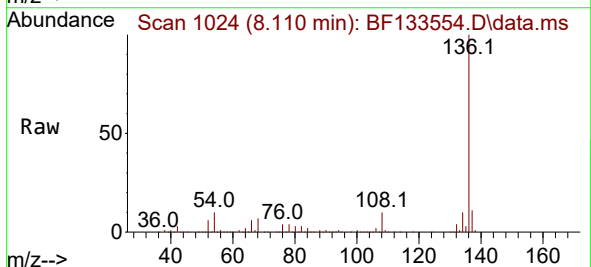
Instrument :
BNA_F
ClientSampleId :
WC15

Tgt Ion: 70 Resp: 73382
Ion Ratio Lower Upper
70 100
42 56.0 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: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

Tgt Ion: 136 Resp: 515699
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.4
54 10.2 6.6 10.0#
68 6.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 70.041 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133554.D

Acq: 31 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

WC15

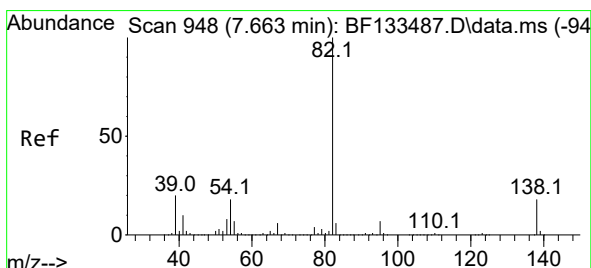
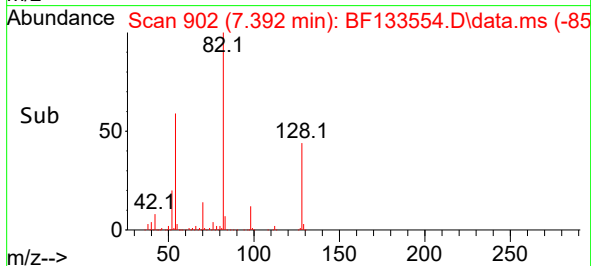
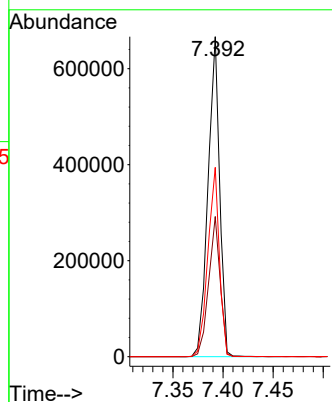
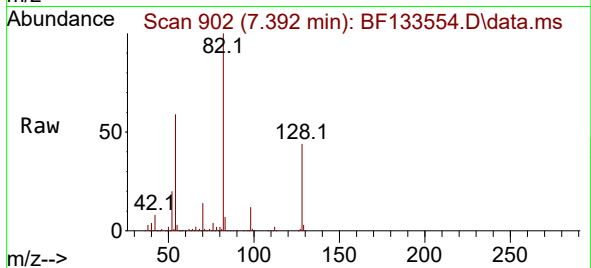
Tgt Ion: 82 Resp: 540977

Ion Ratio Lower Upper

82 100

128 43.8 34.2 51.4

54 59.1 48.2 72.4



#25

Isophorone

Concen: 30.053 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133554.D

Acq: 31 May 2023 23:10

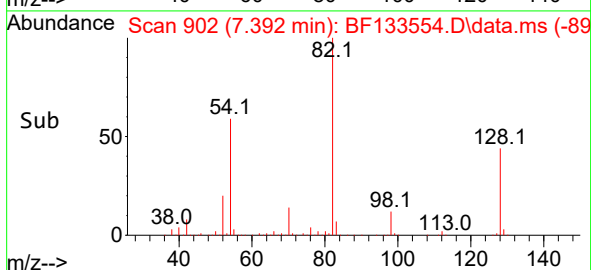
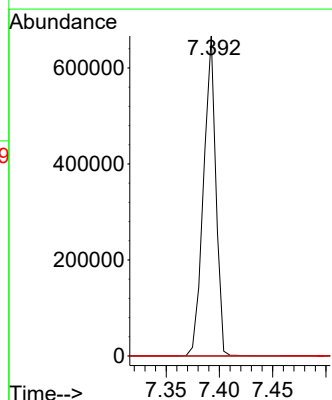
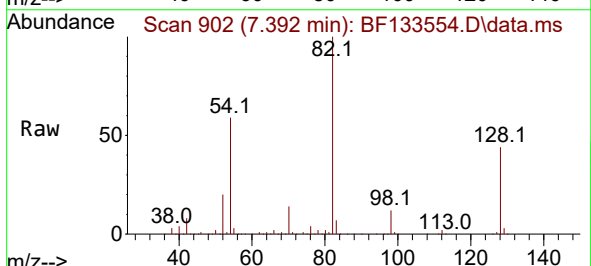
Tgt Ion: 82 Resp: 540971

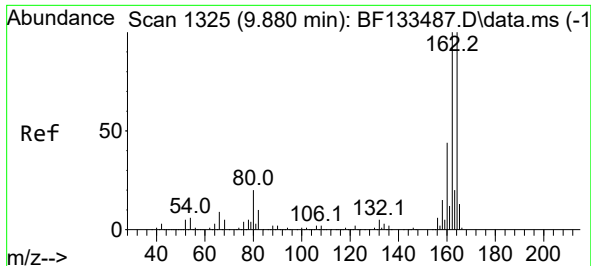
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

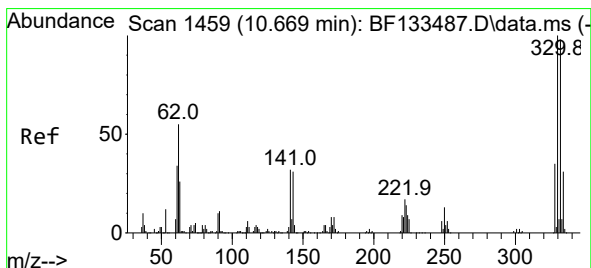
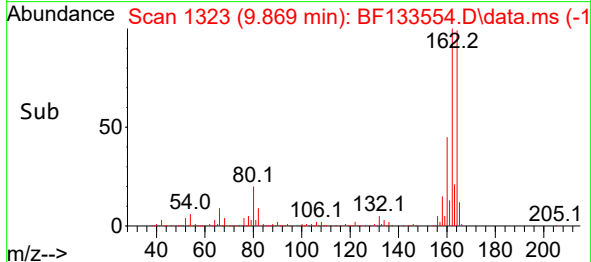
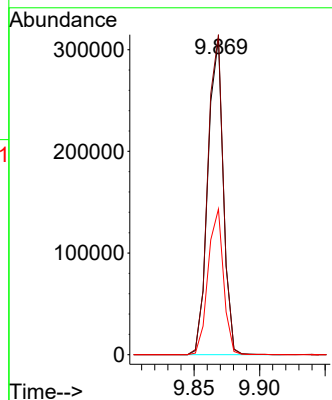
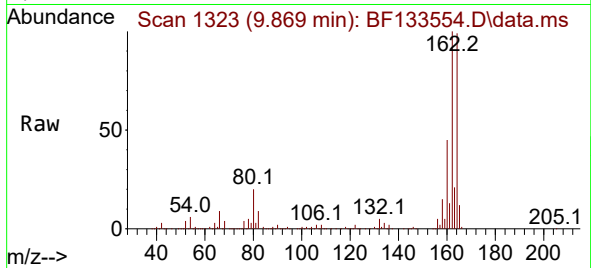




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

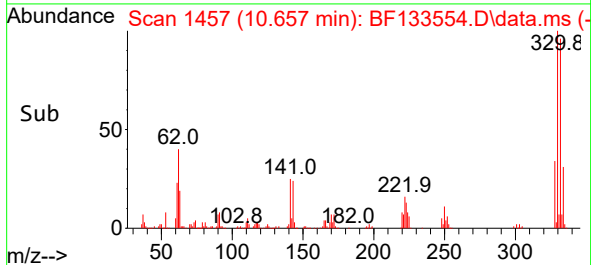
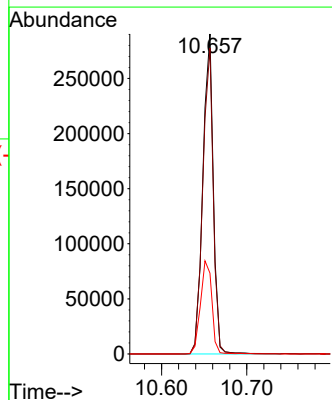
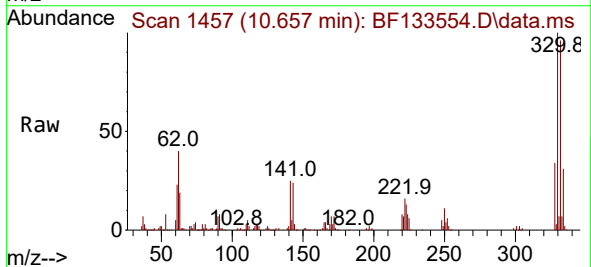
Instrument :
BNA_F
ClientSampleId :
WC15

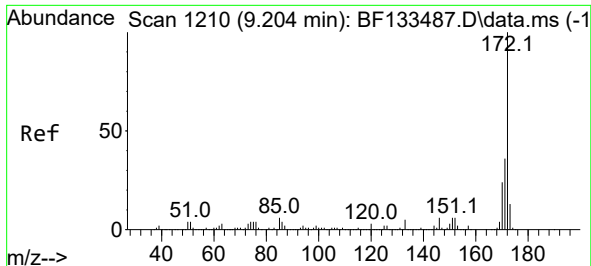
Tgt Ion:164 Resp: 254714
Ion Ratio Lower Upper
164 100
162 101.3 79.7 119.5
160 46.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 97.235 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

Tgt Ion:330 Resp: 246882
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.6
141 31.7 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 59.746 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133554.D

Acq: 31 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

WC15

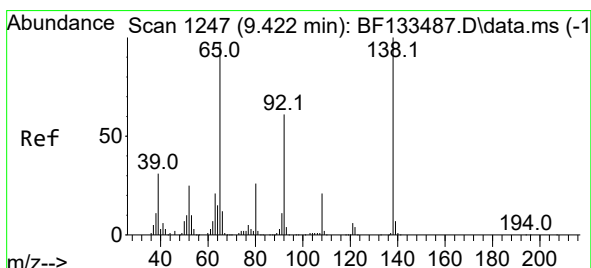
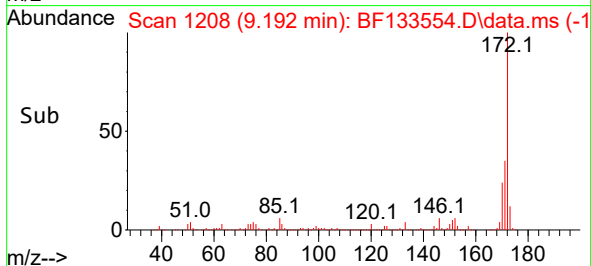
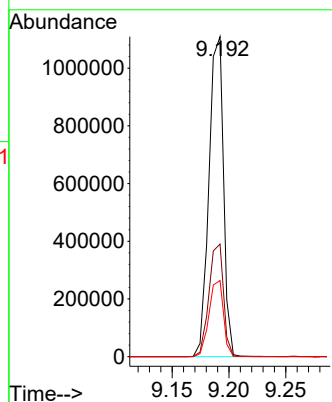
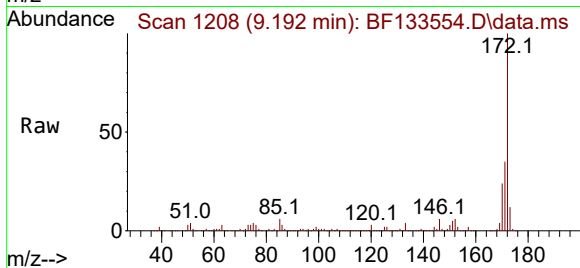
Tgt Ion:172 Resp: 985993

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.8 19.3 28.9



#48

2-Nitroaniline

Concen: 4.335 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.230 min

Lab File: BF133554.D

Acq: 31 May 2023 23:10

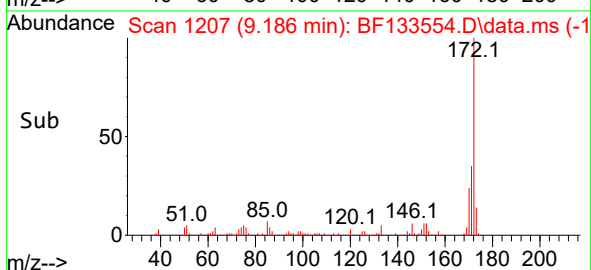
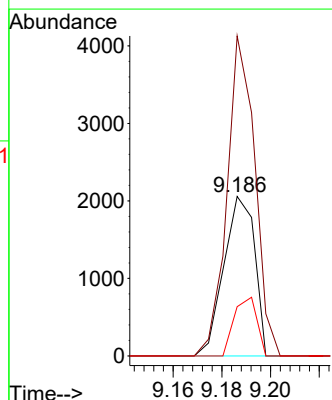
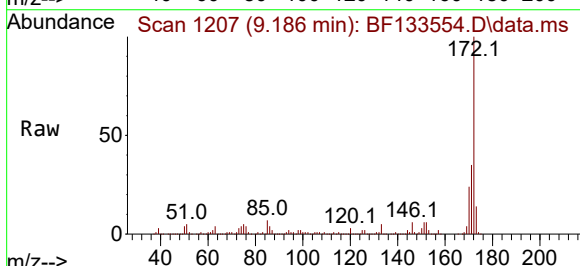
Tgt Ion: 65 Resp: 1808

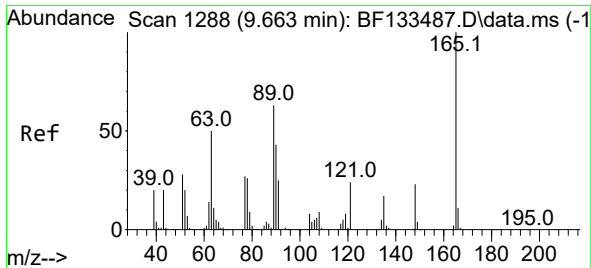
Ion Ratio Lower Upper

65 100

92 200.7 50.8 76.2#

138 30.9 82.6 124.0#

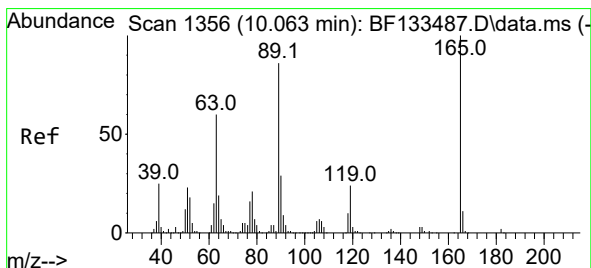
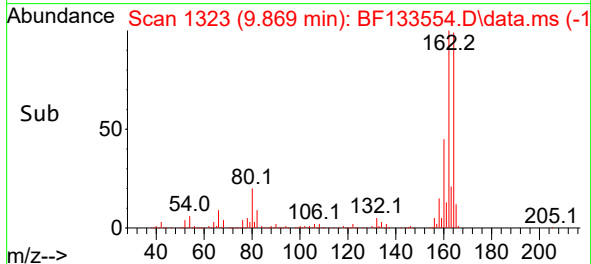
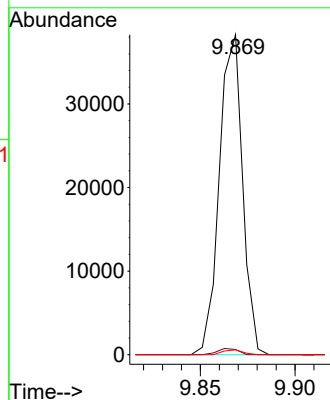
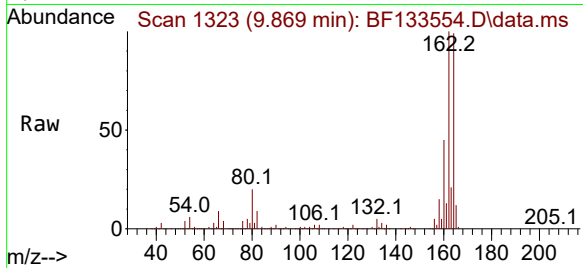




#51
2,6-Dinitrotoluene
Concen: 12.534 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

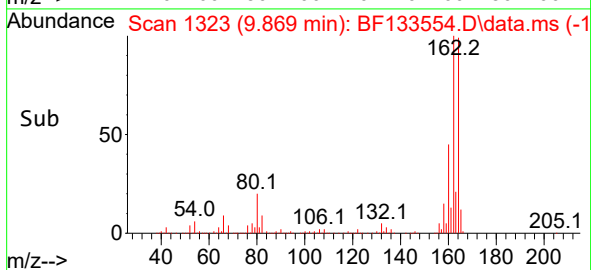
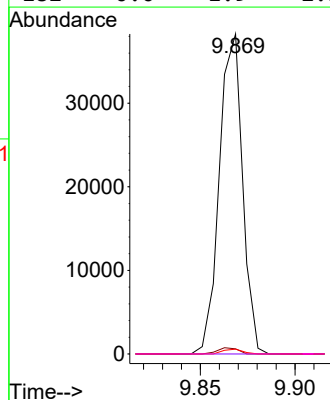
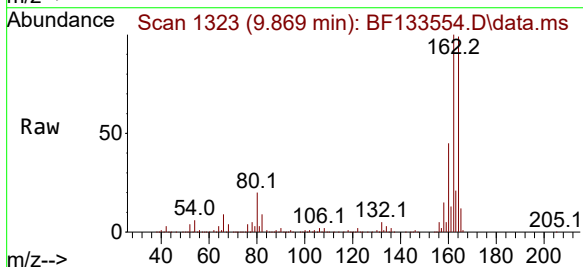
Instrument :
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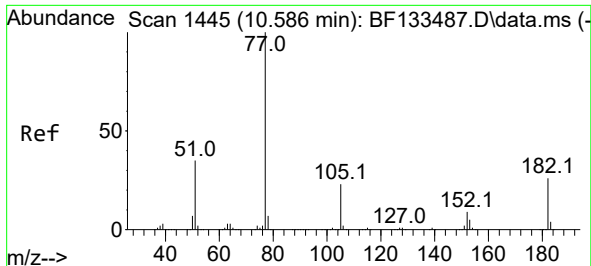
Tgt Ion:165 Resp: 32634
Ion Ratio Lower Upper
165 100
63 1.6 57.0 85.4#
89 1.5 50.8 76.2#



#57
2,4-Dinitrotoluene
Concen: 11.707 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

Tgt Ion:165 Resp: 32634
Ion Ratio Lower Upper
165 100
63 1.6 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#

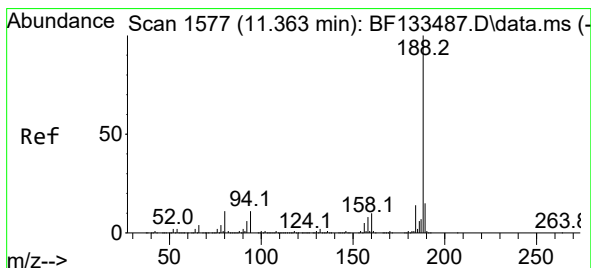
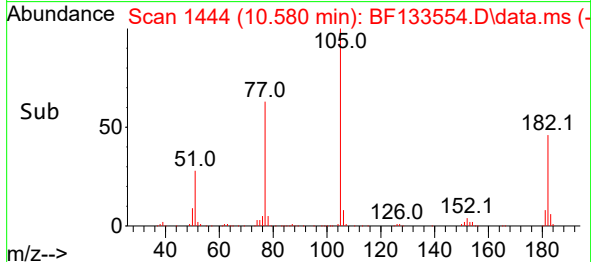
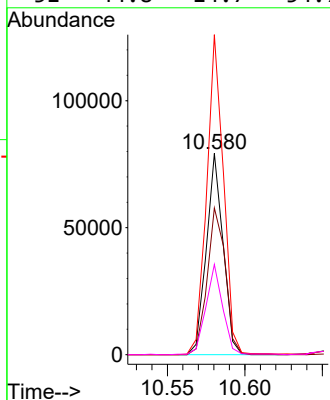
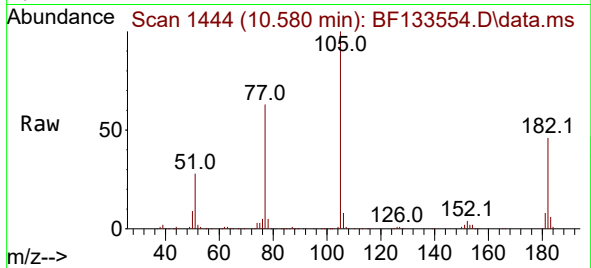




#63
Azobenzene
Concen: 3.206 ng
RT: 10.580 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

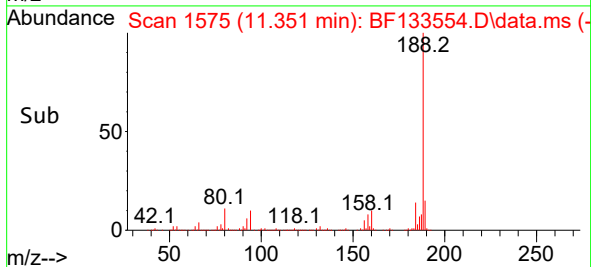
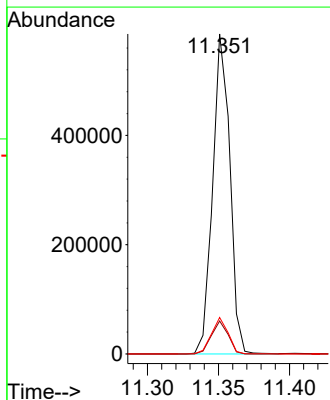
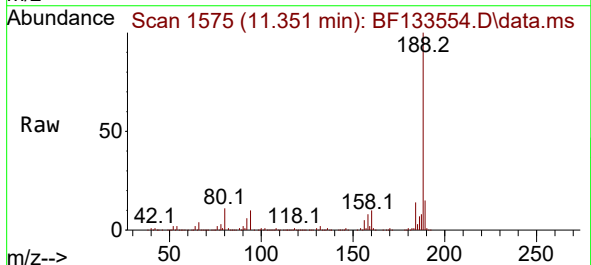
Instrument :
BNA_F
ClientSampleId :
WC15

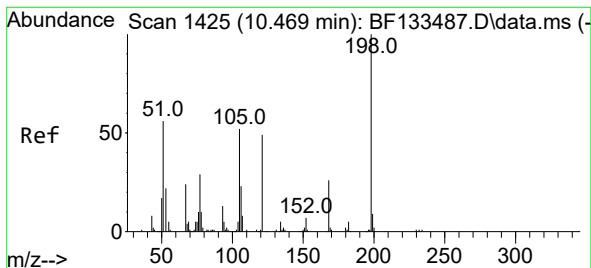
Tgt Ion: 77 Resp: 59637
Ion Ratio Lower Upper
77 100
182 72.9 5.6 45.6#
105 159.0 2.6 42.6#
51 44.8 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

Tgt Ion: 188 Resp: 491868
Ion Ratio Lower Upper
188 100
94 10.3 8.6 12.8
80 11.4 9.2 13.8

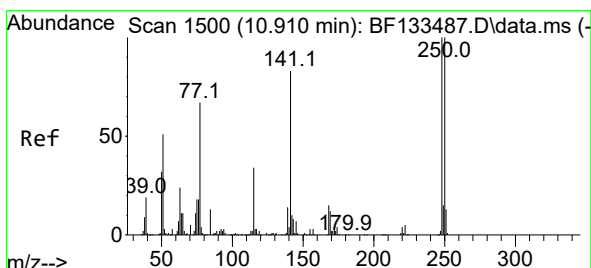
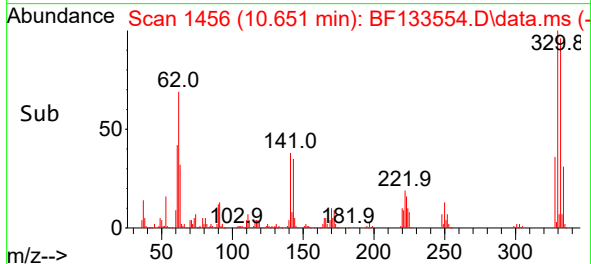
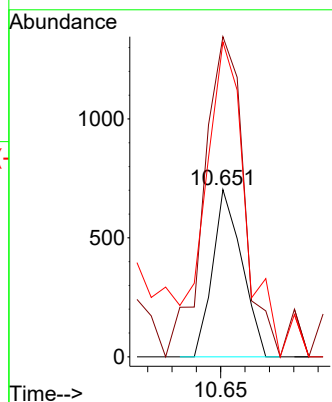
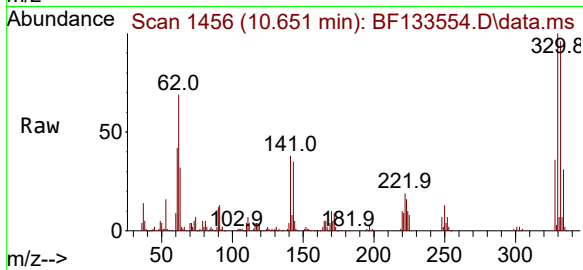




#65
4,6-Dinitro-2-methylphenol
Concen: 8.951 ng
RT: 10.651 min Scan# 1425
Delta R.T. 0.182 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

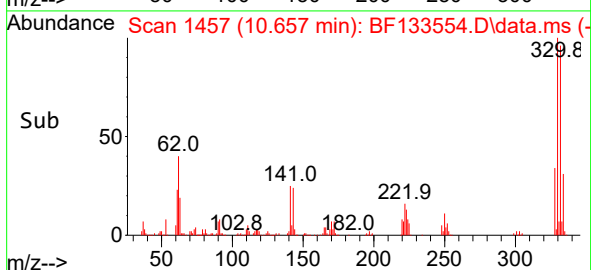
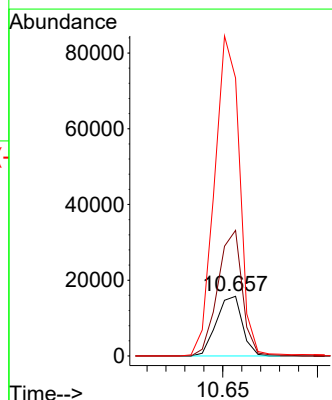
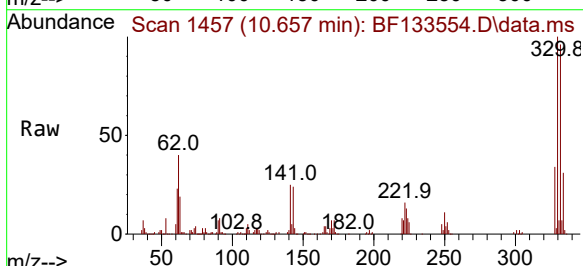
Instrument :
BNA_F
ClientSampleId :
WC15

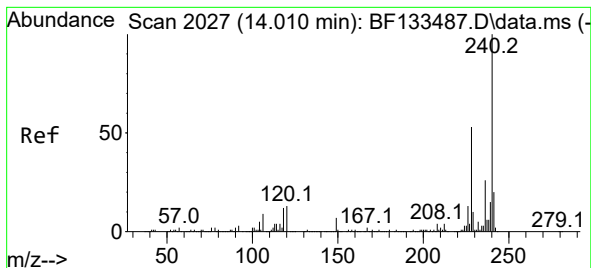
Tgt Ion:198 Resp: 588
Ion Ratio Lower Upper
198 100
51 191.5 53.6 93.6#
105 188.3 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.868 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133554.D
Acq: 31 May 2023 23:10

Tgt Ion:248 Resp: 14982
Ion Ratio Lower Upper
248 100
250 210.7 79.7 119.5#
141 466.0 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: BF133554.D

Acq: 31 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

WC15

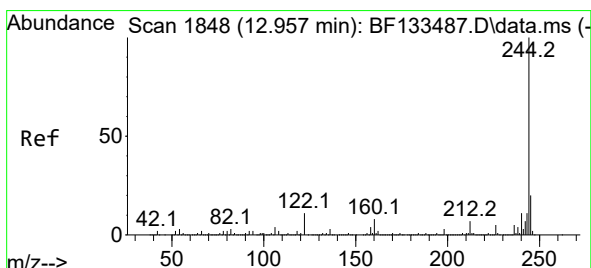
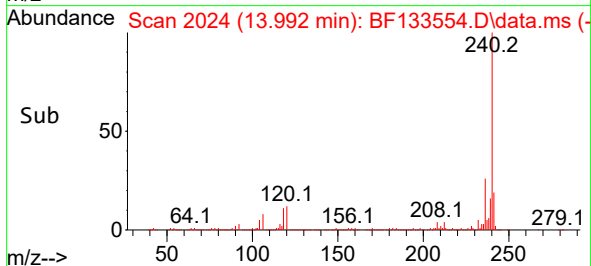
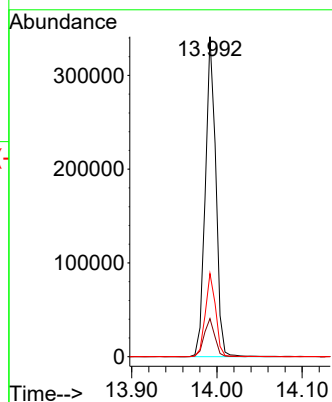
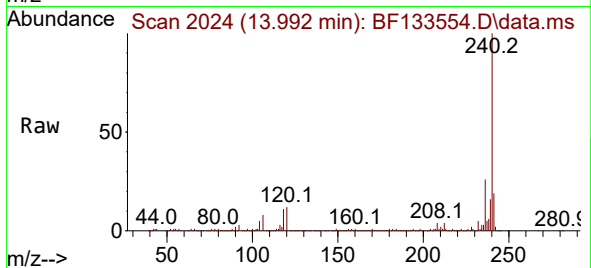
Tgt Ion:240 Resp: 291581

Ion Ratio Lower Upper

240 100

120 11.9 10.3 15.5

236 26.0 20.5 30.7



#79

Terphenyl-d14

Concen: 61.801 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BF133554.D

Acq: 31 May 2023 23:10

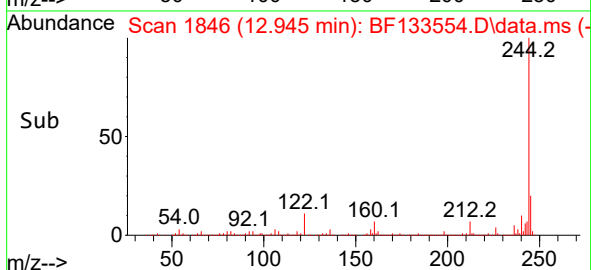
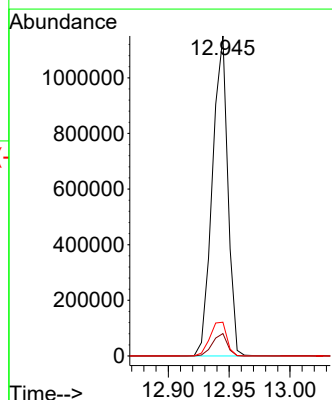
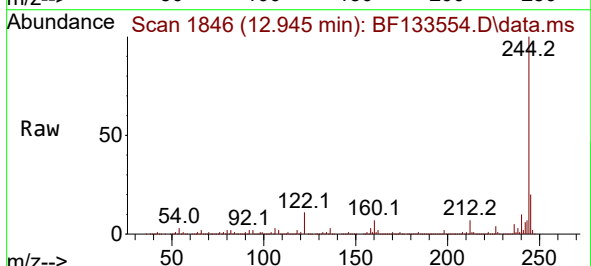
Tgt Ion:244 Resp: 1013515

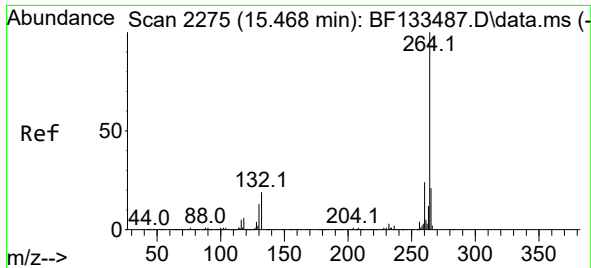
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 10.5 8.5 12.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133554.D
 Acq: 31 May 2023 23:10

Instrument :
 BNA_F
 ClientSampleId :
 WC15

Tgt Ion:264 Resp: 335856
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 21.7 16.8 25.2

