

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133552.D
 Acq On : 31 May 2023 22:06
 Operator : CG\JU
 Sample : 02971-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC16

Quant Time: Jun 01 02:05:18 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)

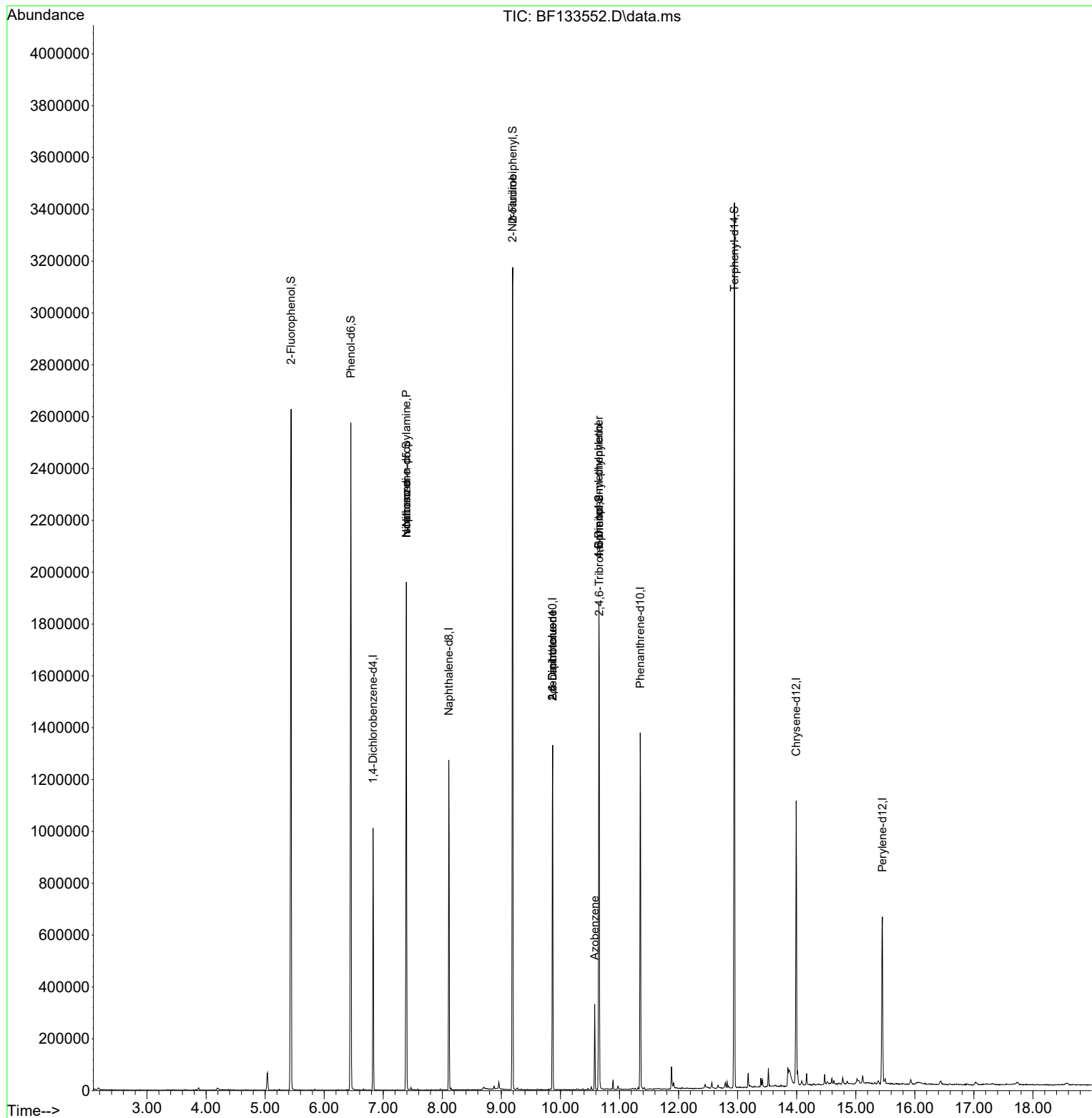
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	132846	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	506134	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	246396	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	492055	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	332755	20.000	ng	-0.01
86) Perylene-d12	15.451	264	288866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	694121	87.177	ng	0.00
7) Phenol-d6	6.451	99	860921	87.835	ng	-0.01
23) Nitrobenzene-d5	7.392	82	533335	70.357	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	224644	91.463	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	990169	62.025	ng	0.00
79) Terphenyl-d14	12.945	244	1133602	60.571	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.381	77	71	Below Cal	#	41
19) n-Nitroso-di-n-propyla...	7.392	70	73448	11.582	ng	# 79
25) Isophorone	7.392	82	533329	30.188	ng	# 65
48) 2-Nitroaniline	9.186	65	1884	4.361	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	33302	13.021	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	33302	12.089	ng	# 15
63) Azobenzene	10.580	77	47511	2.640	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.651	198	512	8.920	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	13372	2.559	ng	# 1

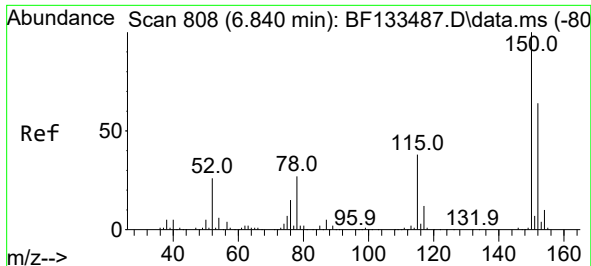
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
Data File : BF133552.D
Acq On : 31 May 2023 22:06
Operator : CG\JU
Sample : 02971-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC16

Quant Time: Jun 01 02:05:18 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

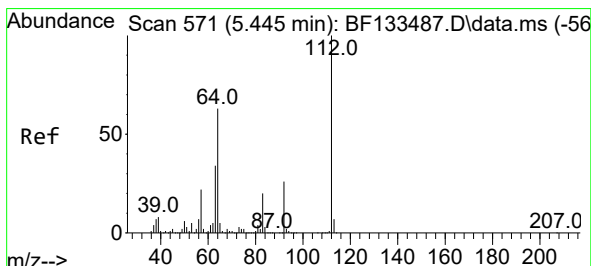
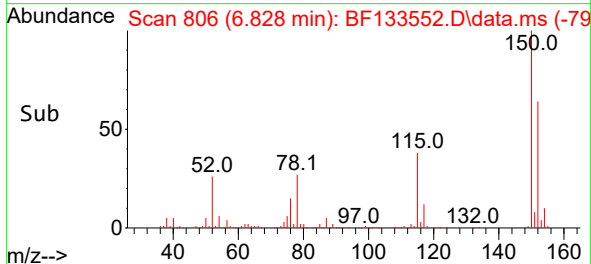
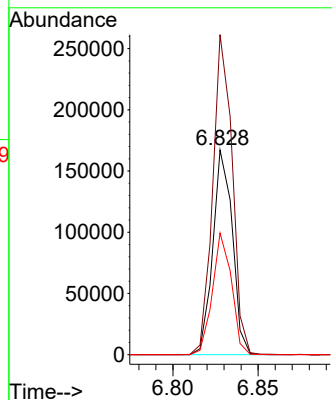
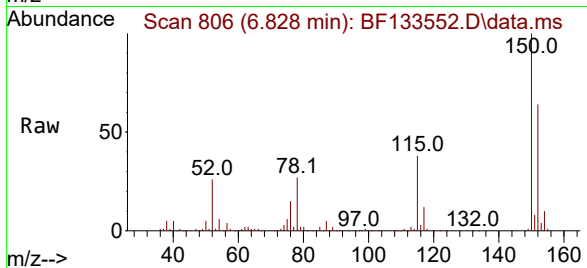




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

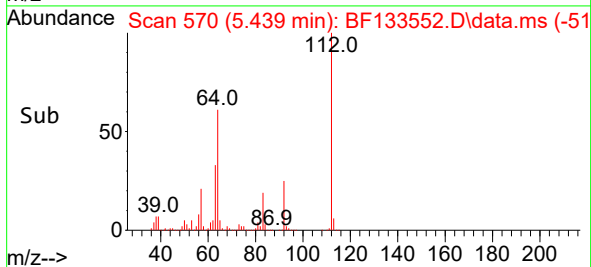
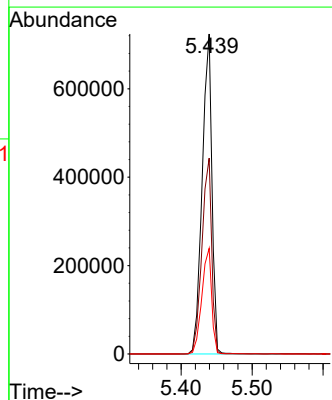
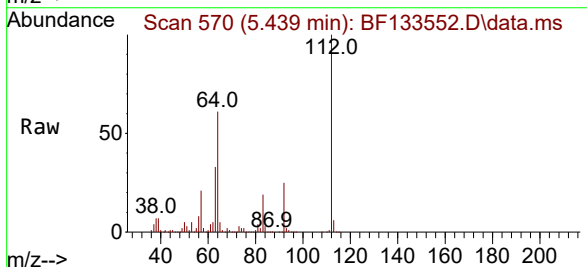
Instrument :
BNA_F
ClientSampleId :
WC16

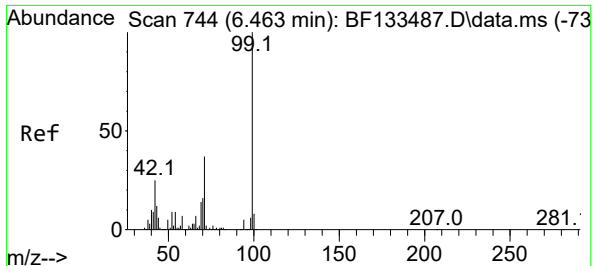
Tgt Ion:152 Resp: 132846
Ion Ratio Lower Upper
152 100
150 156.4 124.9 187.3
115 59.5 48.1 72.1



#5
2-Fluorophenol
Concen: 87.177 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

Tgt Ion:112 Resp: 694121
Ion Ratio Lower Upper
112 100
64 61.2 50.1 75.1
63 33.0 27.5 41.3

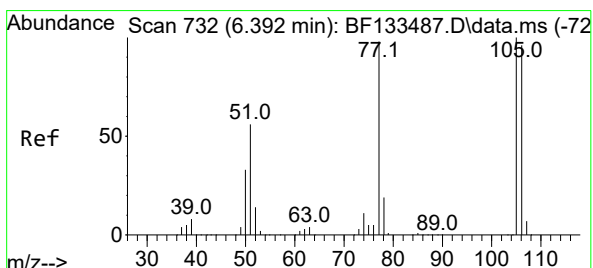
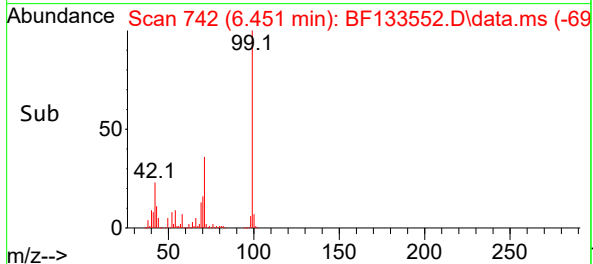
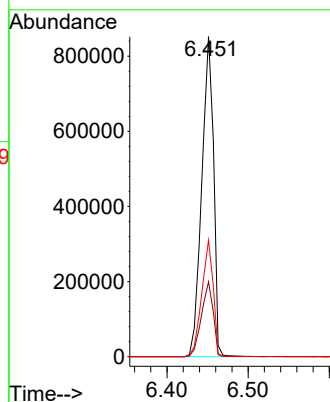
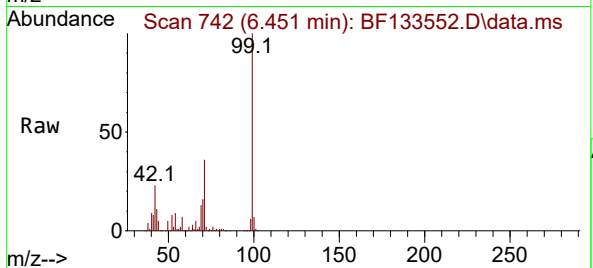




#7
Phenol-d6
Concen: 87.835 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

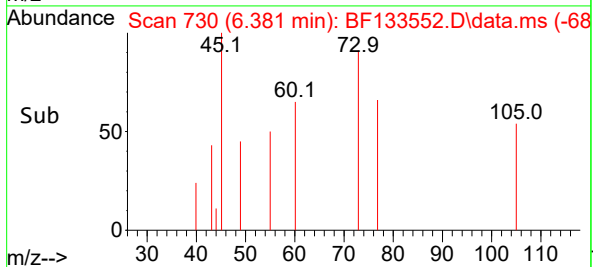
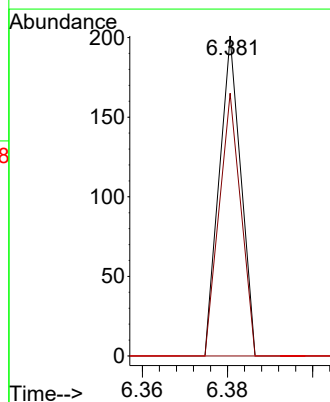
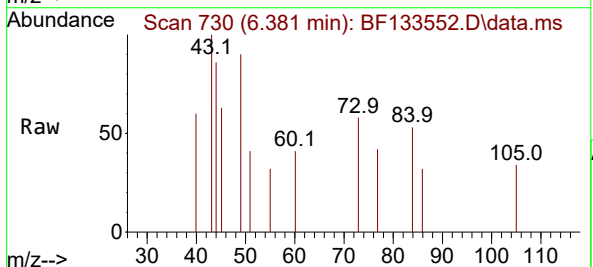
Instrument :
BNA_F
ClientSampleId :
WC16

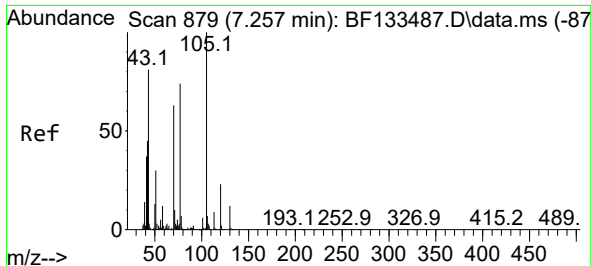
Tgt Ion: 99 Resp: 860921
Ion Ratio Lower Upper
99 100
42 23.4 19.7 29.5
71 36.4 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

Tgt Ion: 77 Resp: 71
Ion Ratio Lower Upper
77 100
105 82.1 81.9 121.9
106 0.0 77.8 117.8#

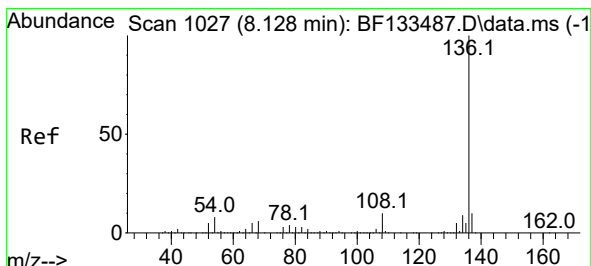
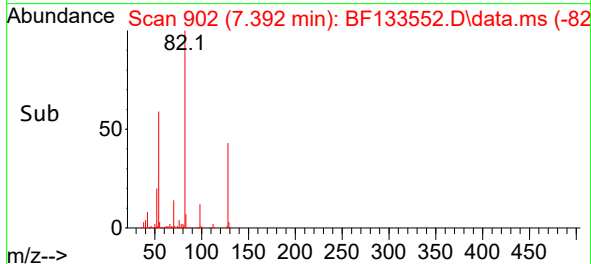
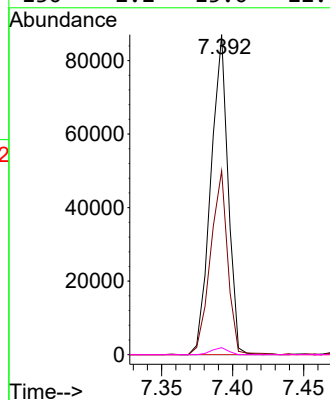
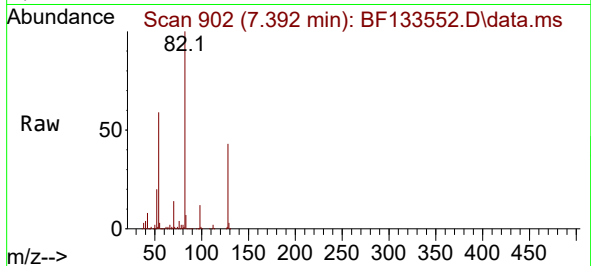




#19
n-Nitroso-di-n-propylamine
Concen: 11.582 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

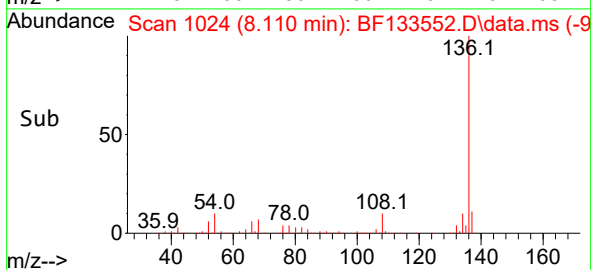
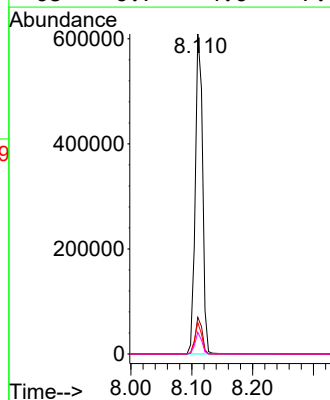
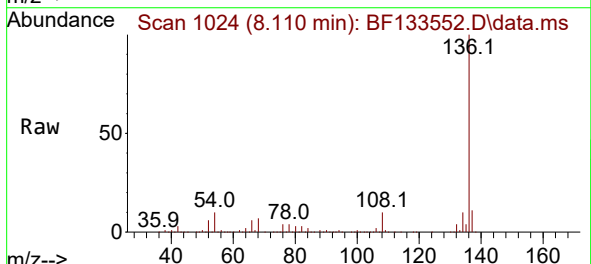
Instrument :
BNA_F
ClientSampleId :
WC16

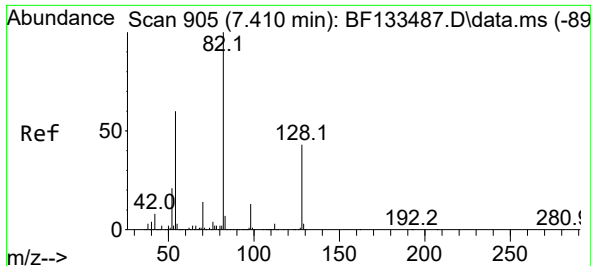
Tgt Ion: 70	Resp: 73448
Ion Ratio	Lower Upper
70 100	
42 57.4	57.2 85.8
101 0.0	7.3 10.9#
130 2.2	15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

Tgt Ion: 136	Resp: 506134
Ion Ratio	Lower Upper
136 100	
137 11.5	8.2 12.4
54 9.8	6.6 10.0
68 6.7	4.6 7.0





#23

Nitrobenzene-d5

Concen: 70.357 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133552.D

Acq: 31 May 2023 22:06

Instrument :

BNA_F

ClientSampleId :

WC16

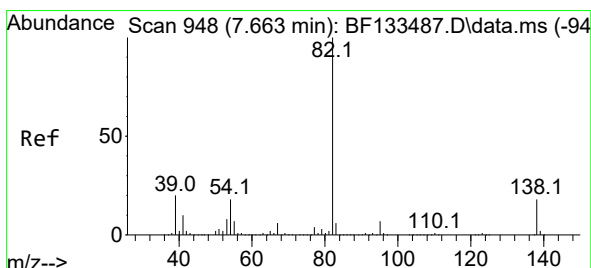
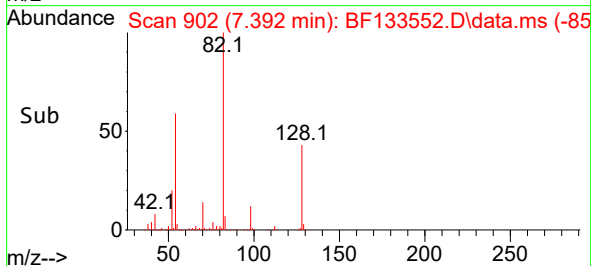
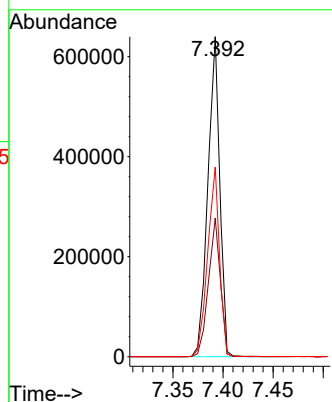
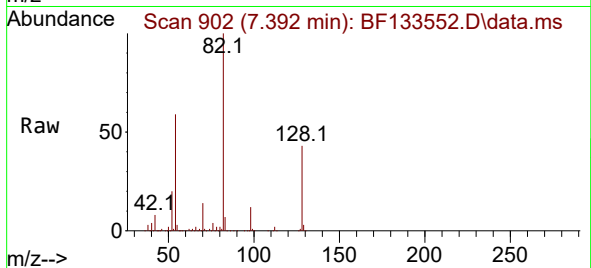
Tgt Ion: 82 Resp: 533335

Ion Ratio Lower Upper

82 100

128 43.3 34.2 51.4

54 59.2 48.2 72.4



#25

Isophorone

Concen: 30.188 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133552.D

Acq: 31 May 2023 22:06

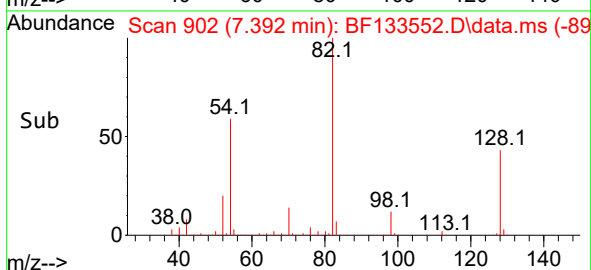
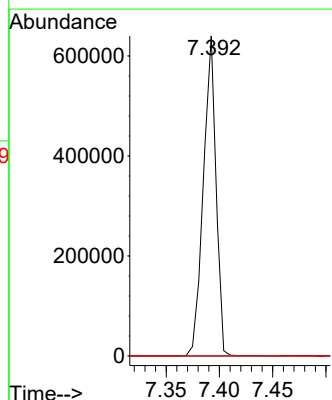
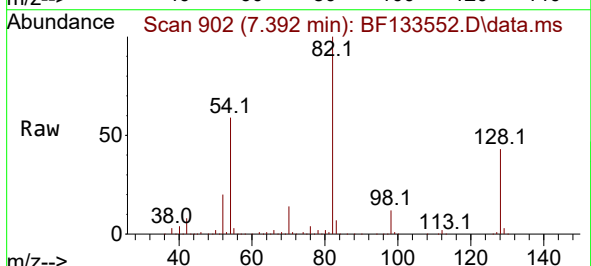
Tgt Ion: 82 Resp: 533329

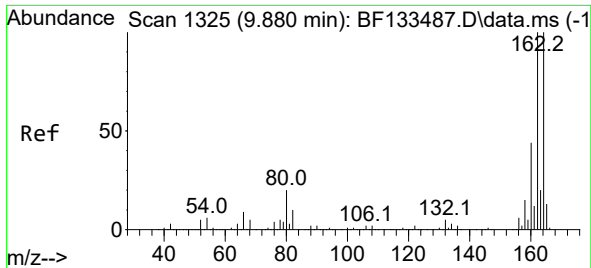
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

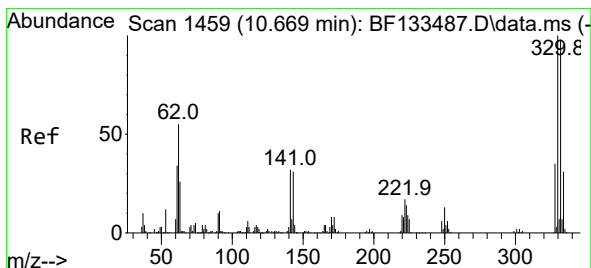
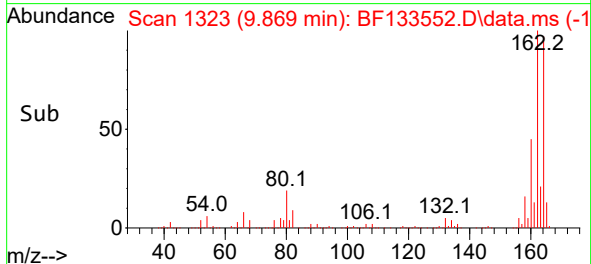
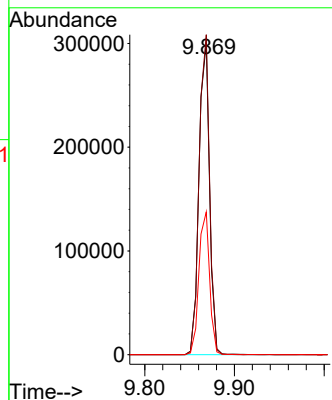
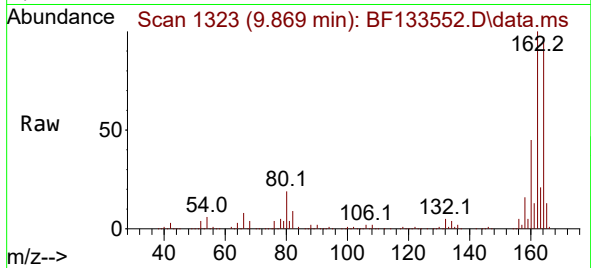




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

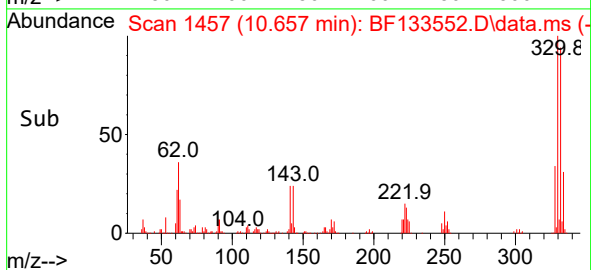
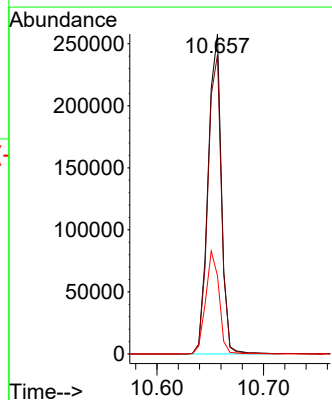
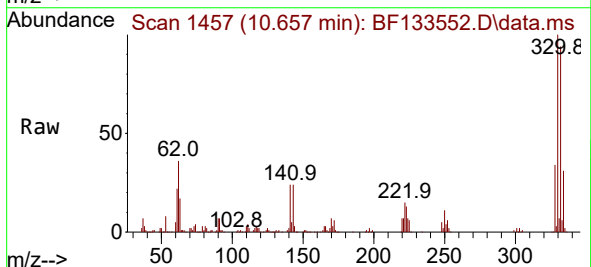
Instrument :
BNA_F
ClientSampleId :
WC16

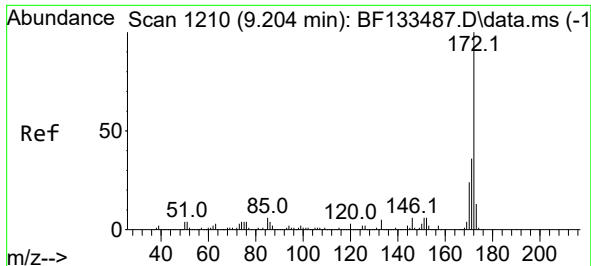
Tgt Ion:164 Resp: 246396
Ion Ratio Lower Upper
164 100
162 102.6 79.7 119.5
160 45.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 91.463 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

Tgt Ion:330 Resp: 224644
Ion Ratio Lower Upper
330 100
332 95.1 77.8 116.6
141 32.4 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 62.025 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133552.D

Acq: 31 May 2023 22:06

Instrument :

BNA_F

ClientSampleId :

WC16

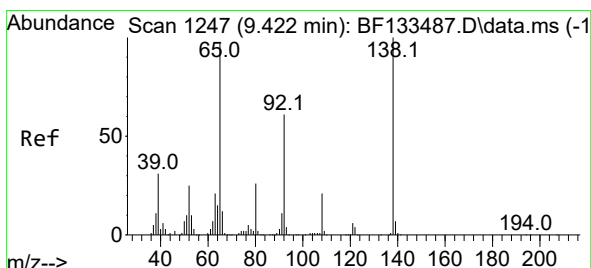
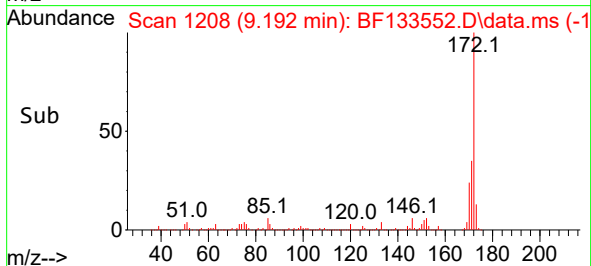
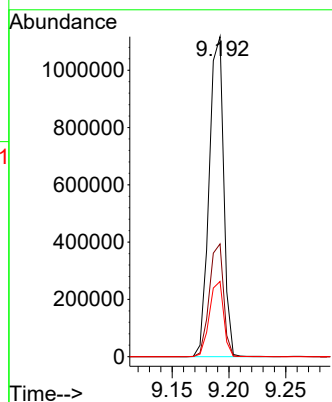
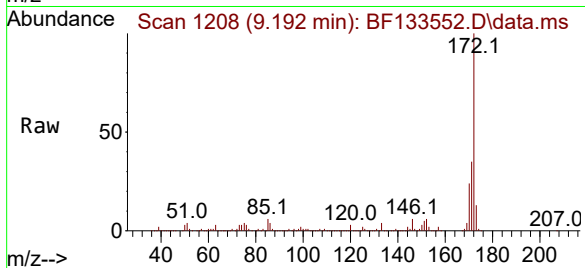
Tgt Ion:172 Resp: 990169

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.5 19.3 28.9



#48

2-Nitroaniline

Concen: 4.361 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.230 min

Lab File: BF133552.D

Acq: 31 May 2023 22:06

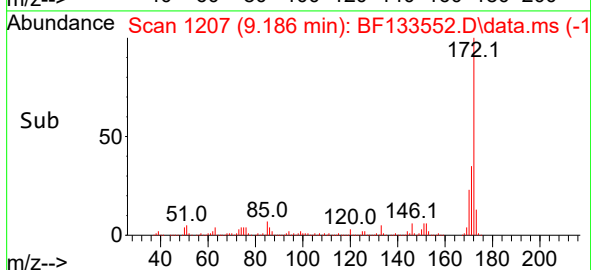
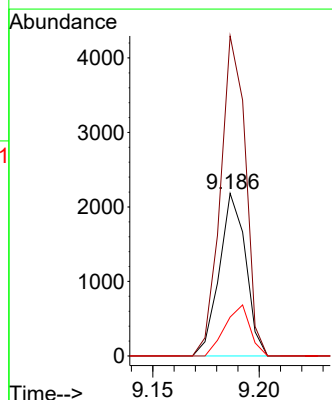
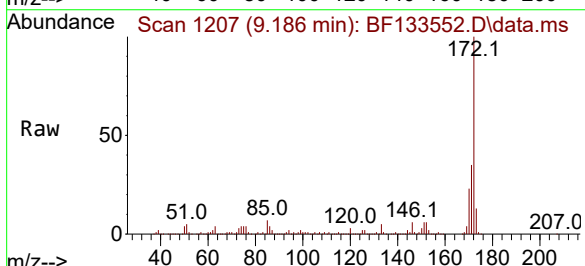
Tgt Ion: 65 Resp: 1884

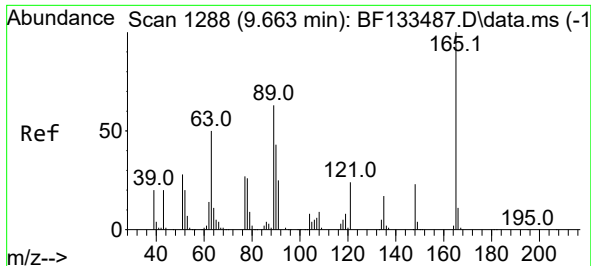
Ion Ratio Lower Upper

65 100

92 196.9 50.8 76.2#

138 23.9 82.6 124.0#

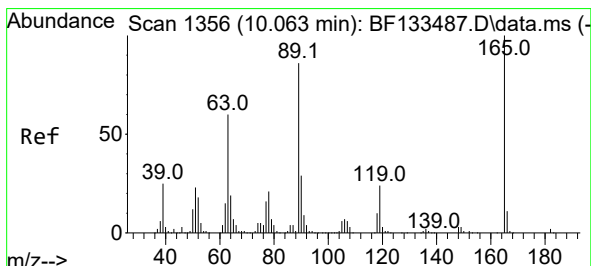
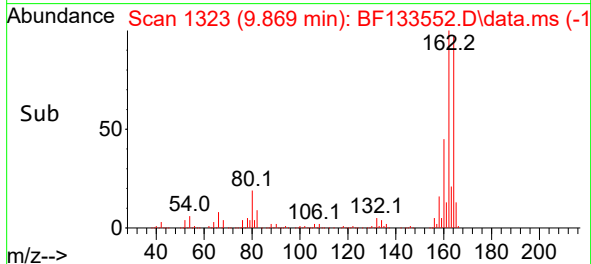
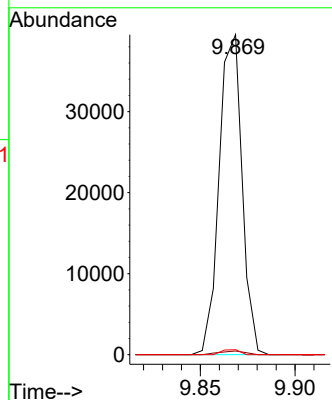
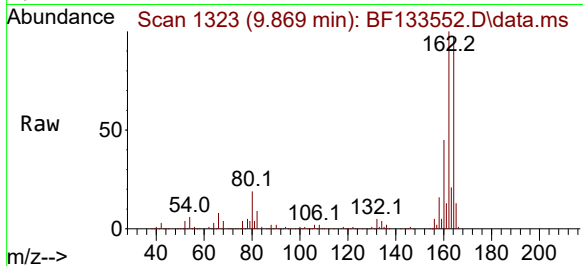




#51
2,6-Dinitrotoluene
Concen: 13.021 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

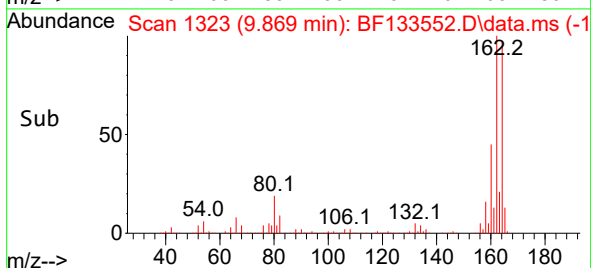
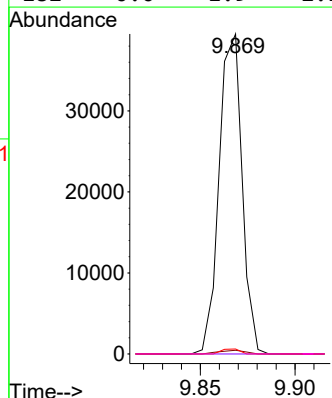
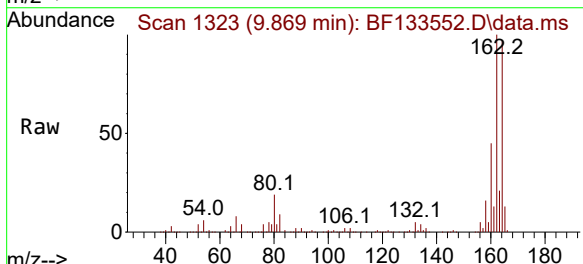
Instrument :
BNA_F
ClientSampleId :
WC16

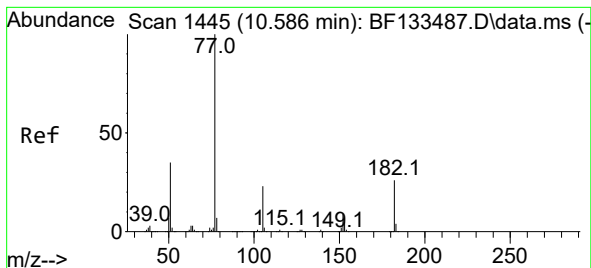
Tgt Ion:165 Resp: 33302
Ion Ratio Lower Upper
165 100
63 1.2 57.0 85.4#
89 1.6 50.8 76.2#



#57
2,4-Dinitrotoluene
Concen: 12.089 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

Tgt Ion:165 Resp: 33302
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.6 68.4 102.6#
182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 2.640 ng

RT: 10.580 min Scan# 1445

Delta R.T. 0.006 min

Lab File: BF133552.D

Acq: 31 May 2023 22:06

Instrument :

BNA_F

ClientSampleId :

WC16

Tgt Ion: 77 Resp: 47511

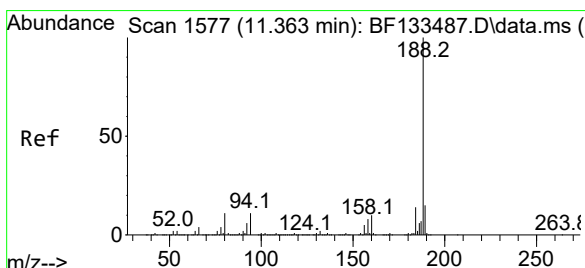
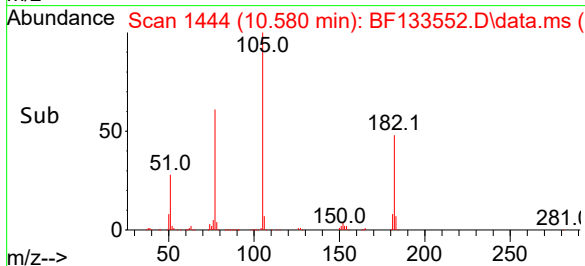
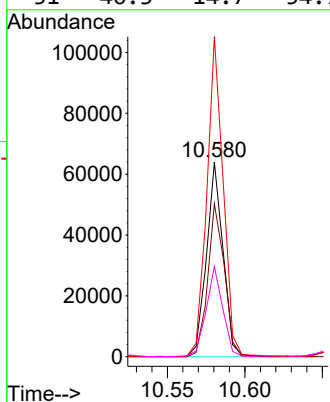
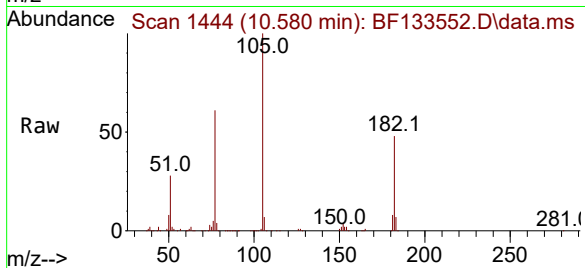
Ion Ratio Lower Upper

77 100

182 78.7 5.6 45.6#

105 164.5 2.6 42.6#

51 46.3 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: BF133552.D

Acq: 31 May 2023 22:06

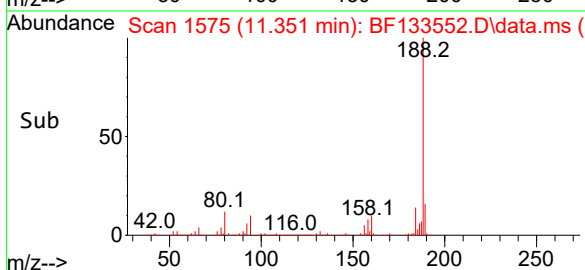
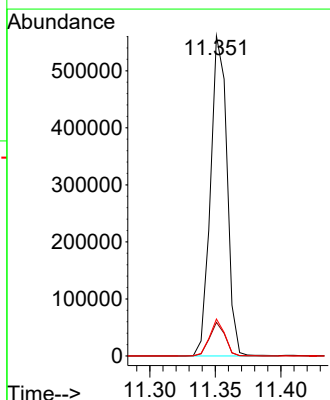
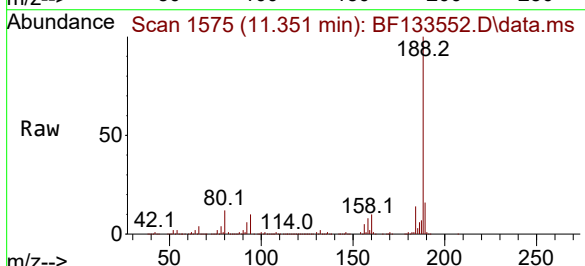
Tgt Ion: 188 Resp: 492055

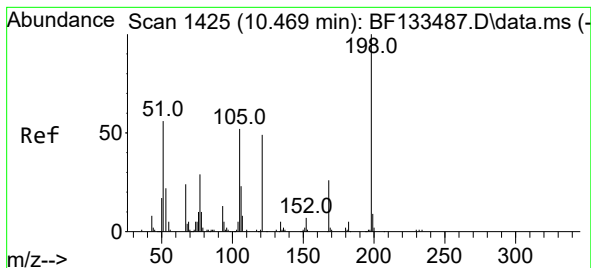
Ion Ratio Lower Upper

188 100

94 10.5 8.6 12.8

80 11.6 9.2 13.8

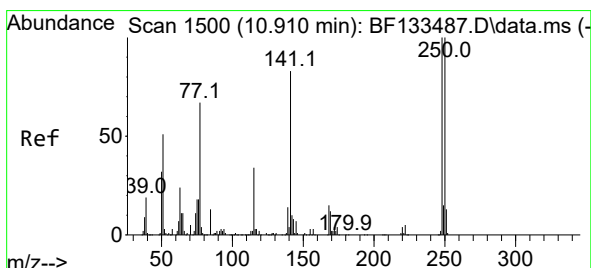
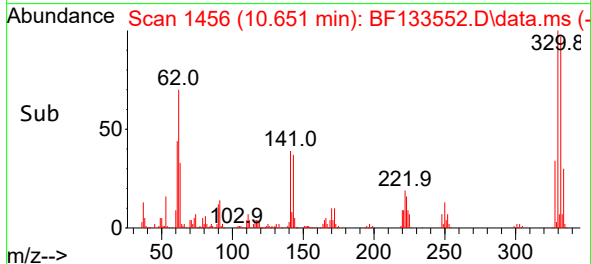
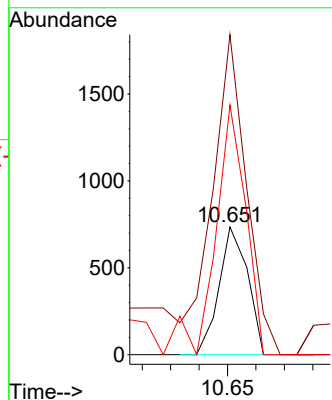
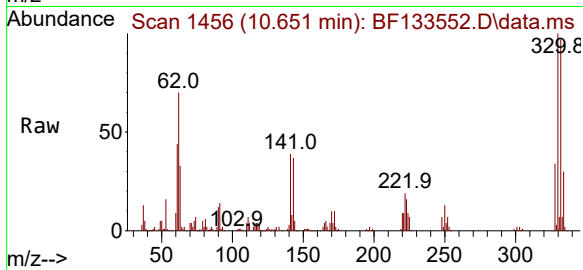




#65
4,6-Dinitro-2-methylphenol
Concen: 8.920 ng
RT: 10.651 min Scan# 1425
Delta R.T. 0.182 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

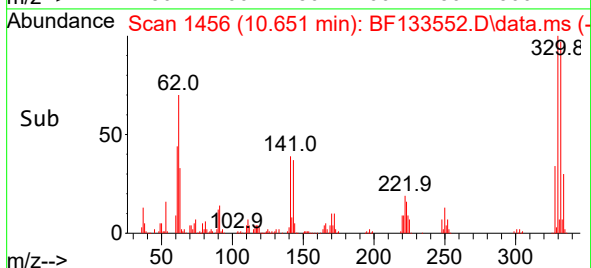
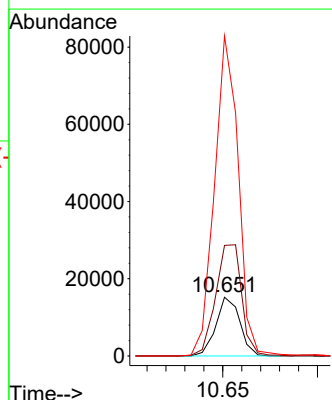
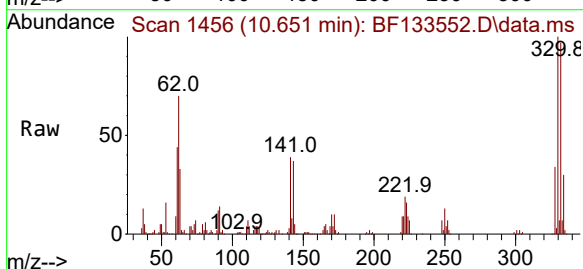
Instrument :
BNA_F
ClientSampleId :
WC16

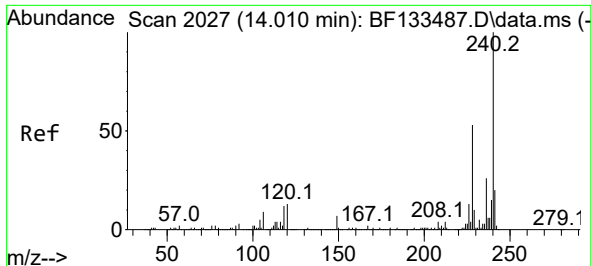
Tgt Ion:198 Resp: 512
Ion Ratio Lower Upper
198 100
51 250.5 53.6 93.6#
105 195.4 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.559 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.253 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

Tgt Ion:248 Resp: 13372
Ion Ratio Lower Upper
248 100
250 188.3 79.7 119.5#
141 544.8 66.6 100.0#

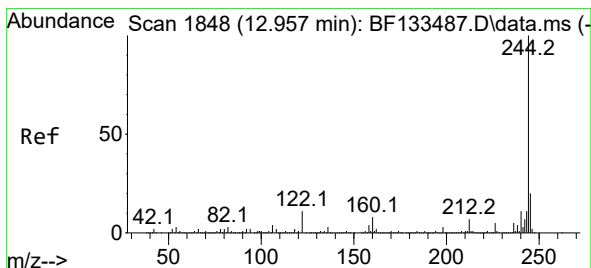
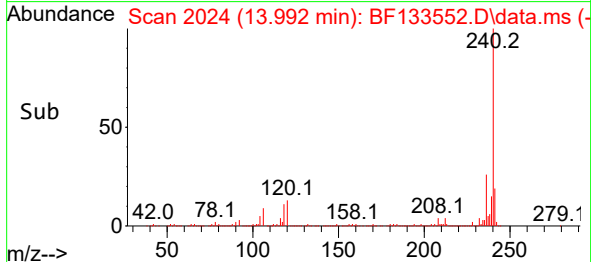
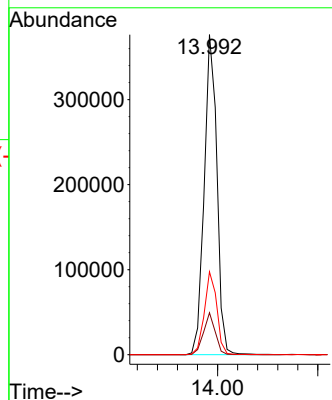
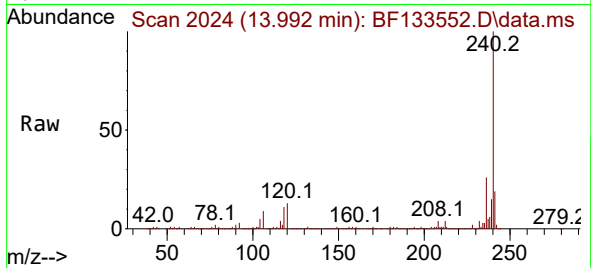




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

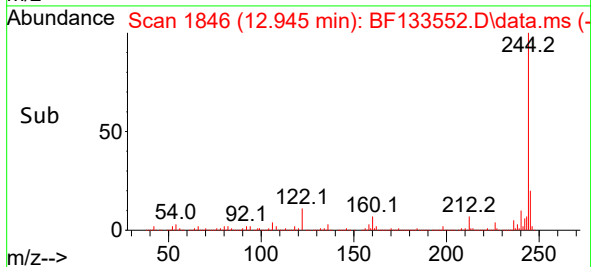
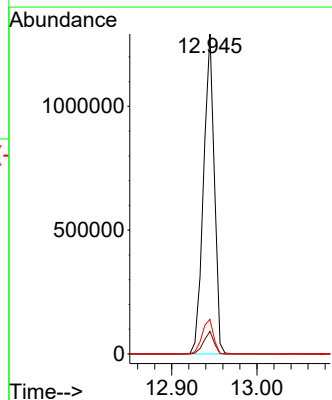
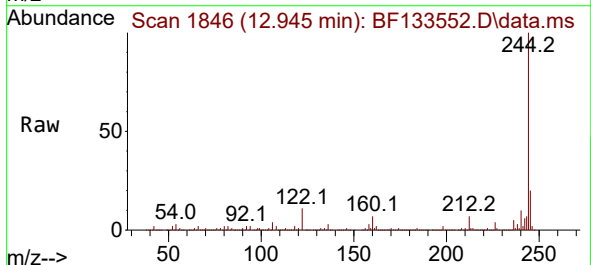
Instrument :
BNA_F
ClientSampleId :
WC16

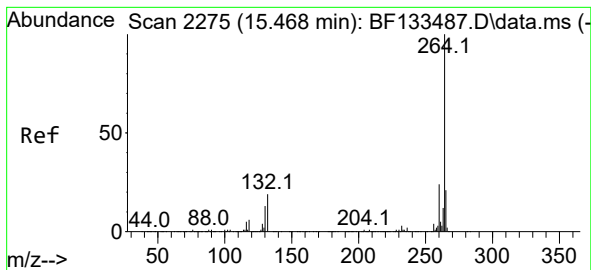
Tgt Ion:240 Resp: 332755
Ion Ratio Lower Upper
240 100
120 13.1 10.3 15.5
236 25.9 20.5 30.7



#79
Terphenyl-d14
Concen: 60.571 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF133552.D
Acq: 31 May 2023 22:06

Tgt Ion:244 Resp: 1133602
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 10.8 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: BF133552.D

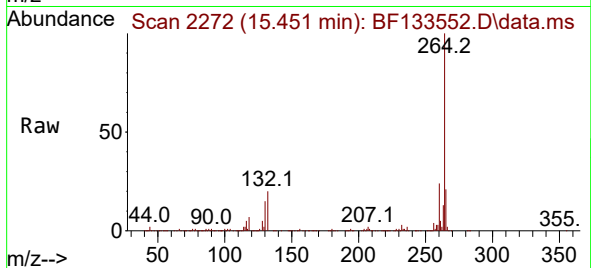
Acq: 31 May 2023 22:06

Instrument :

BNA_F

ClientSampleId :

WC16



Tgt Ion:264 Resp: 288866

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 20.8 16.8 25.2

