

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133551.D
 Acq On : 31 May 2023 21:34
 Operator : CG\JU
 Sample : 02971-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC12

Quant Time: Jun 01 02:05:04 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	131433	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	502675	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	249511	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	501563	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	360973	20.000	ng	-0.01
86) Perylene-d12	15.451	264	294839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	671419	85.233	ng	0.00
7) Phenol-d6	6.451	99	849822	87.635	ng	-0.01
23) Nitrobenzene-d5	7.392	82	514045	68.279	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	203404	81.781	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	961168	59.456	ng	-0.01
79) Terphenyl-d14	12.945	244	1159871	57.130	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.386	77	193	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	68697	10.949	ng	# 77
25) Isophorone	7.392	82	514040	29.297	ng	# 65
32) Benzoic acid	8.116	122	60	7.359	ng	# 1
48) 2-Nitroaniline	9.186	65	1724	4.326	ng	# 2
51) 2,6-Dinitrotoluene	9.869	165	32573	12.702	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	32573	11.839	ng	# 15
63) Azobenzene	10.580	77	45516	2.498	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.651	198	331	8.844	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	12768	2.397	ng	# 1
85) Di-n-octyl phthalate	14.598	149	216794	8.567	ng	# 67

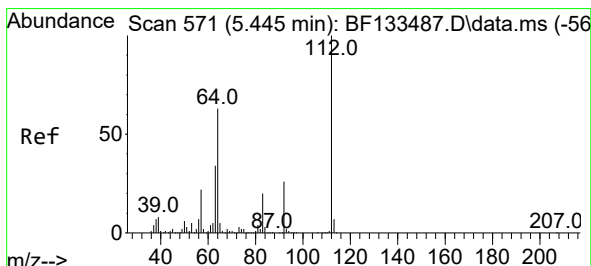
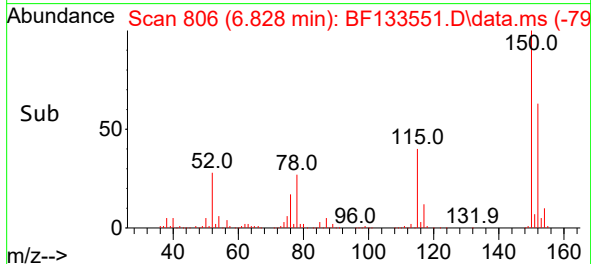
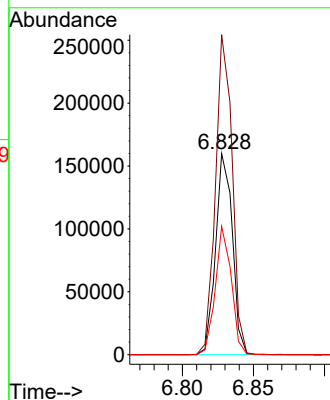
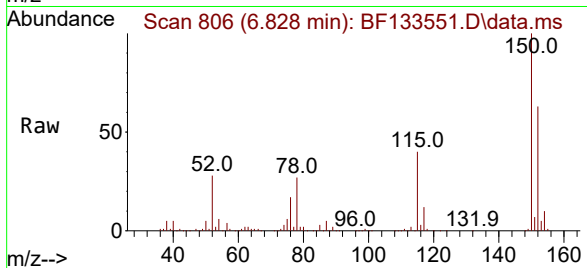
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

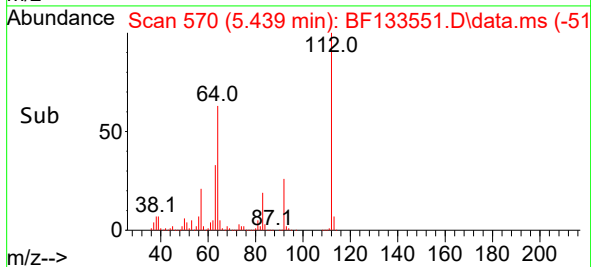
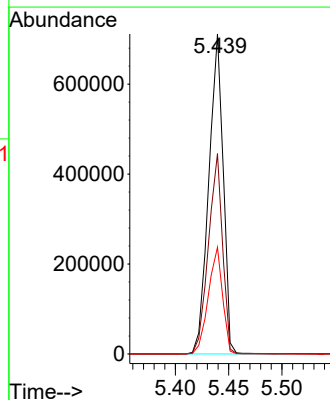
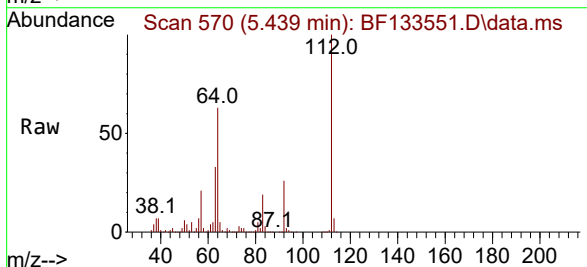
Instrument :
BNA_F
ClientSampleId :
WC12

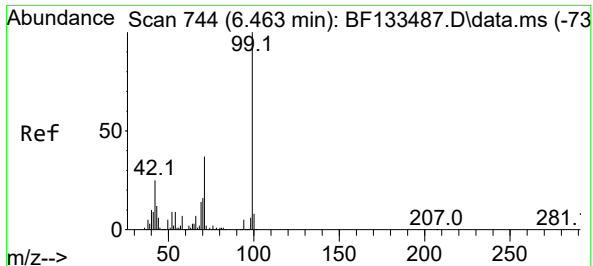
Tgt Ion:152 Resp: 131433
Ion Ratio Lower Upper
152 100
150 159.1 124.9 187.3
115 63.8 48.1 72.1



#5
2-Fluorophenol
Concen: 85.233 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

Tgt Ion:112 Resp: 671419
Ion Ratio Lower Upper
112 100
64 62.6 50.1 75.1
63 33.4 27.5 41.3

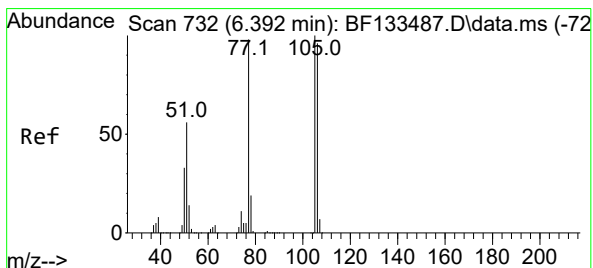
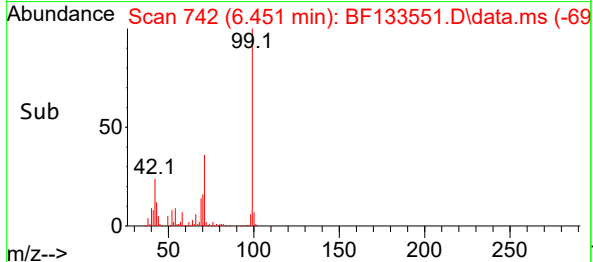
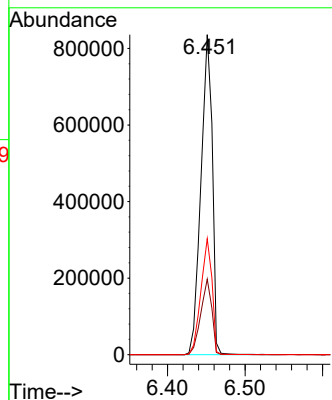
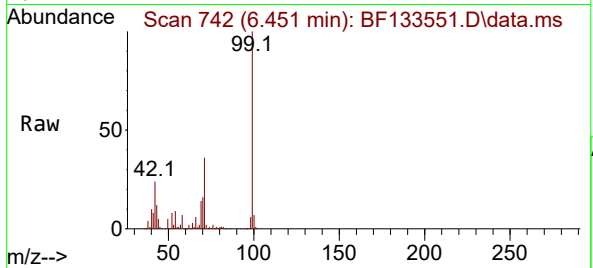




#7
Phenol-d6
Concen: 87.635 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

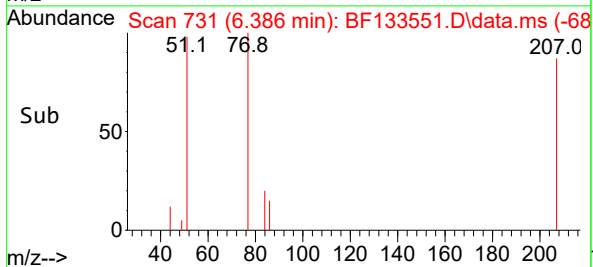
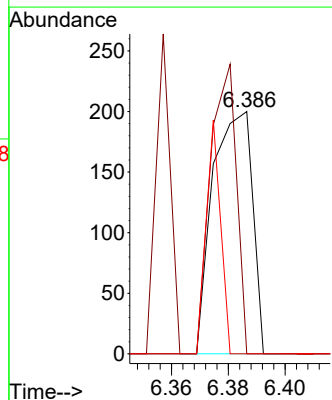
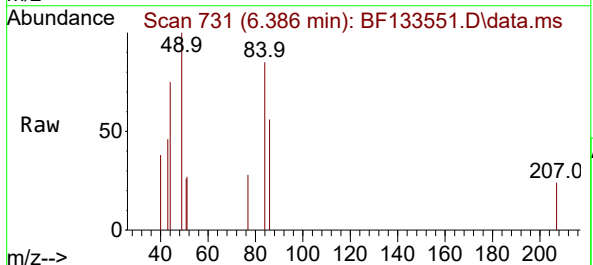
Instrument :
BNA_F
ClientSampleId :
WC12

Tgt Ion: 99 Resp: 849822
Ion Ratio Lower Upper
99 100
42 23.6 19.7 29.5
71 36.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.386 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

Tgt Ion: 77 Resp: 193
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

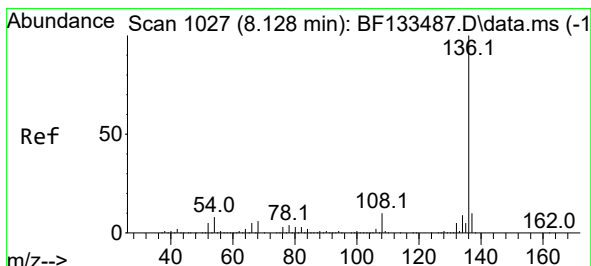
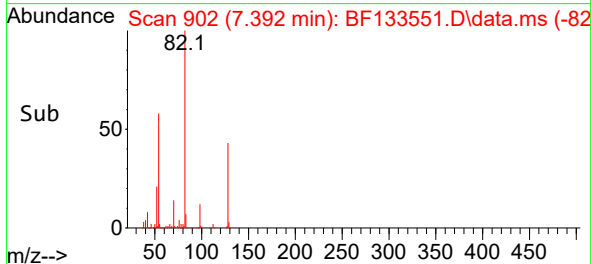
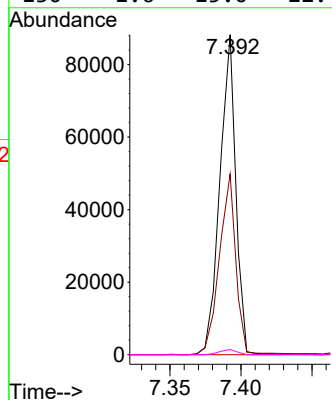
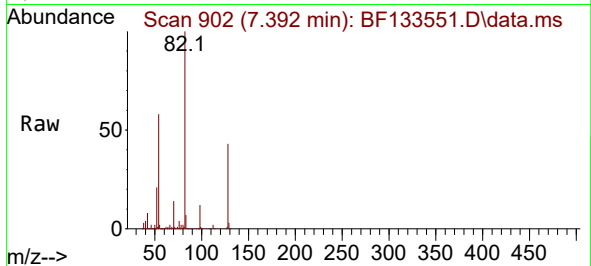




#19
n-Nitroso-di-n-propylamine
Concen: 10.949 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

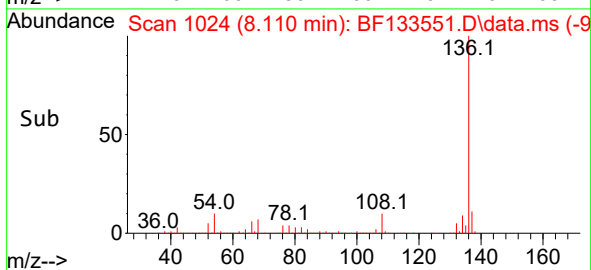
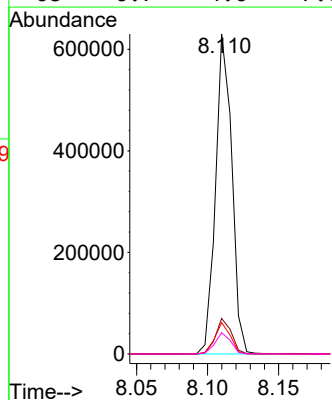
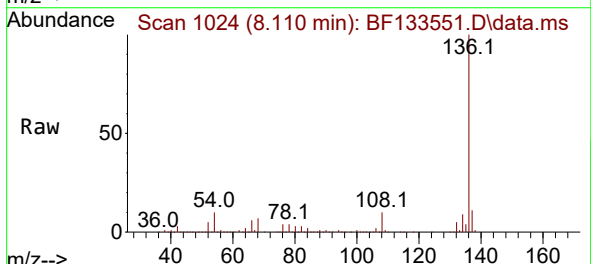
Instrument :
BNA_F
ClientSampleId :
WC12

Tgt Ion: 70 Resp: 68697
Ion Ratio Lower Upper
70 100
42 56.4 57.2 85.8#
101 0.0 7.3 10.9#
130 1.6 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: BF133551.D
Acq: 31 May 2023 21:34

Tgt Ion: 136 Resp: 502675
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 9.8 6.6 10.0
68 6.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 68.279 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133551.D

Acq: 31 May 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC12

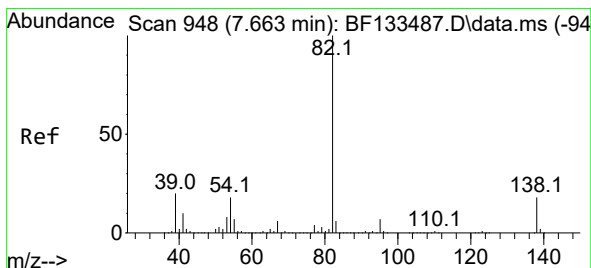
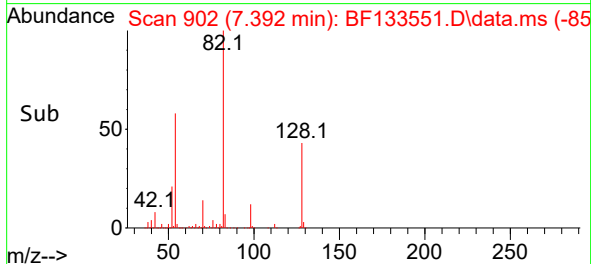
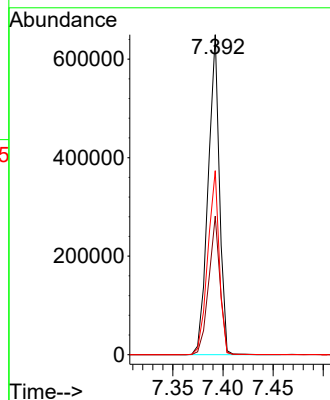
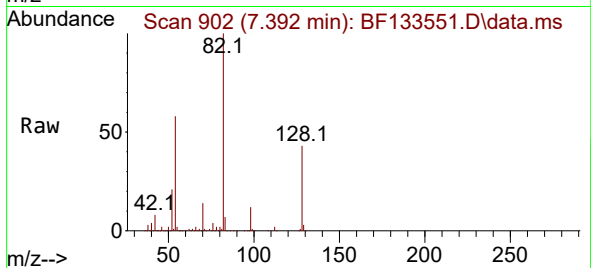
Tgt Ion: 82 Resp: 514045

Ion Ratio Lower Upper

82 100

128 43.3 34.2 51.4

54 57.5 48.2 72.4



#25

Isophorone

Concen: 29.297 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133551.D

Acq: 31 May 2023 21:34

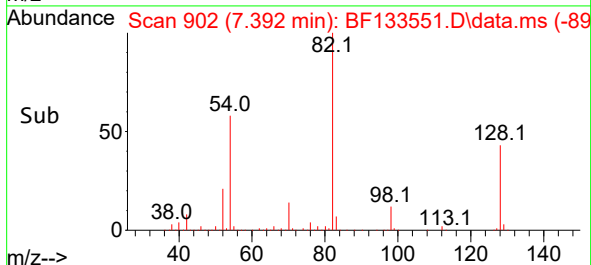
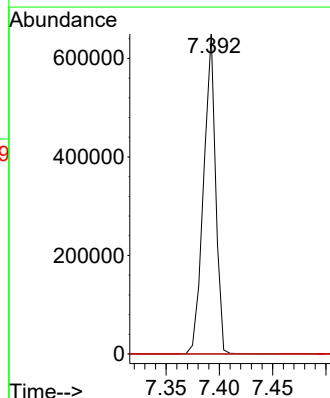
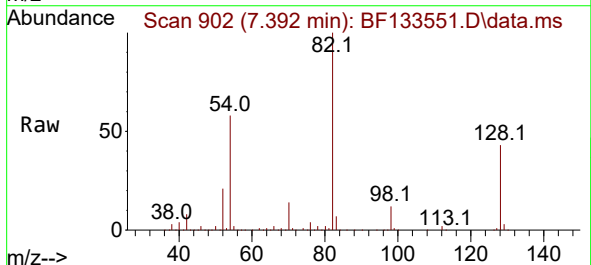
Tgt Ion: 82 Resp: 514040

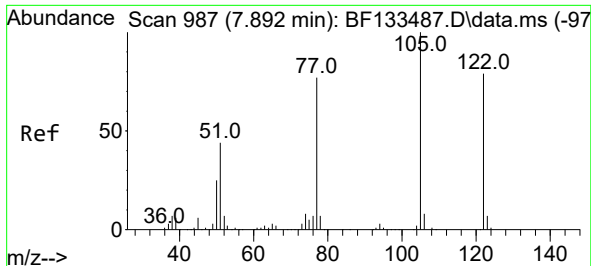
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

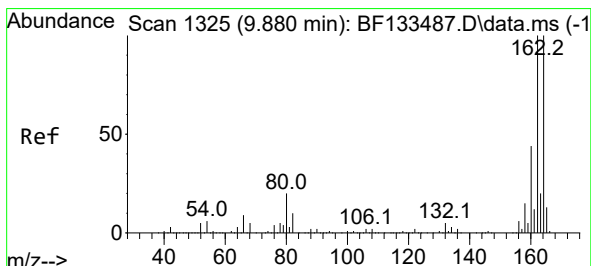
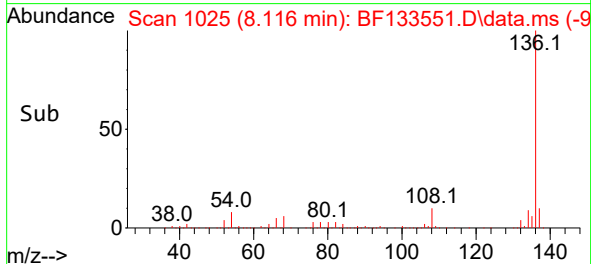
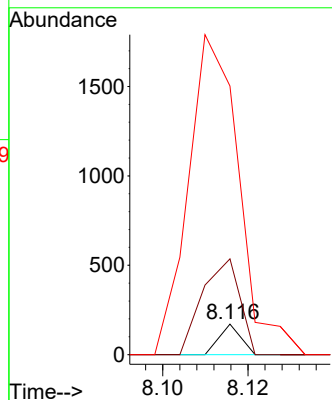
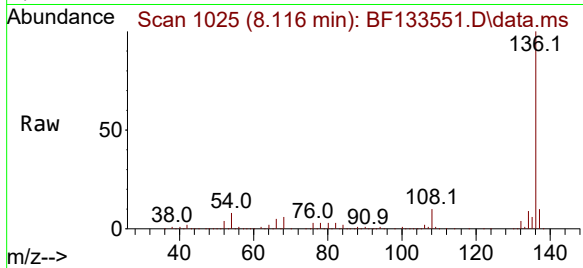




#32
Benzoic acid
Concen: 7.359 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.235 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

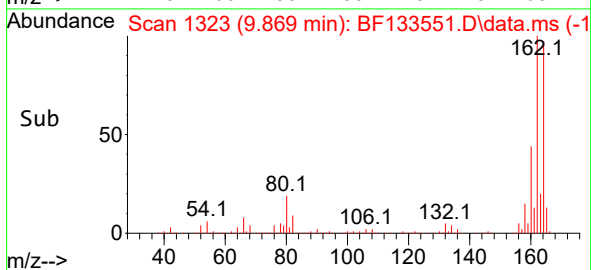
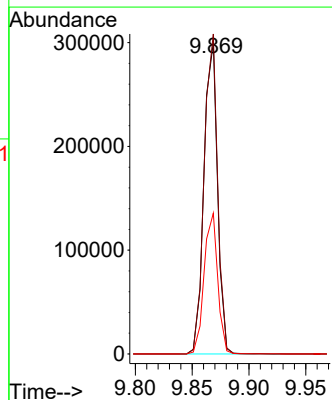
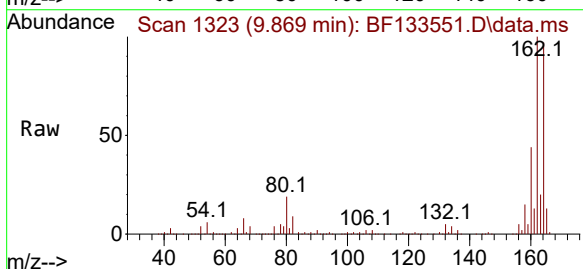
Instrument :
BNA_F
ClientSampleId :
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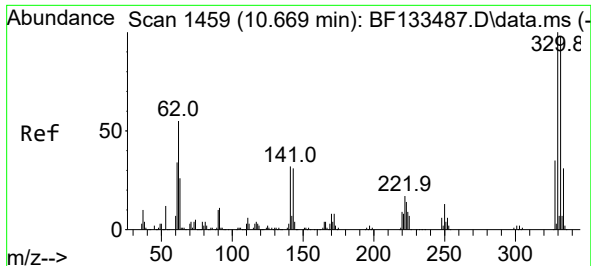
Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 313.5 103.3 143.3#
77 878.9 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

Tgt Ion:164 Resp: 249511
Ion Ratio Lower Upper
164 100
162 102.8 79.7 119.5
160 45.2 35.4 53.0

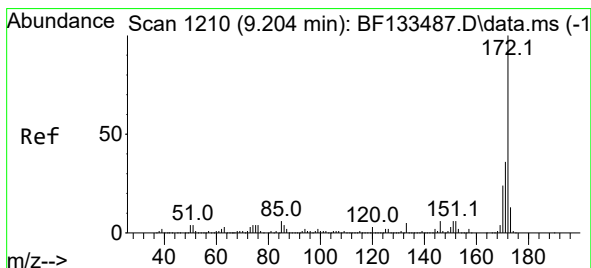
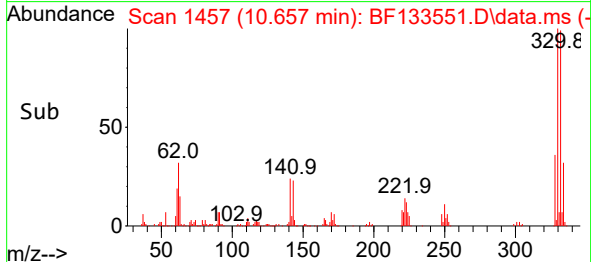
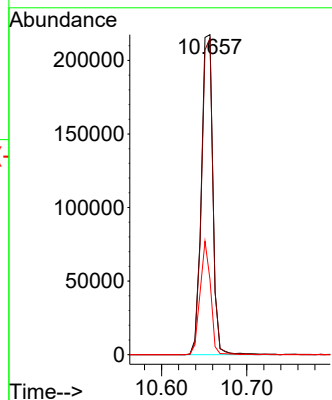
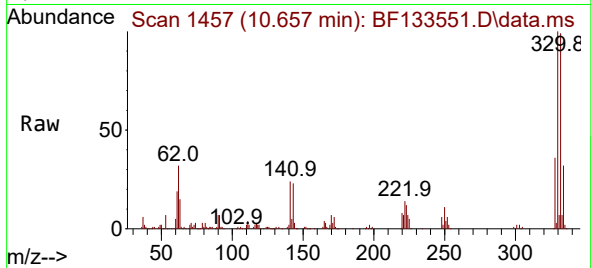




#42
2,4,6-Tribromophenol
Concen: 81.781 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

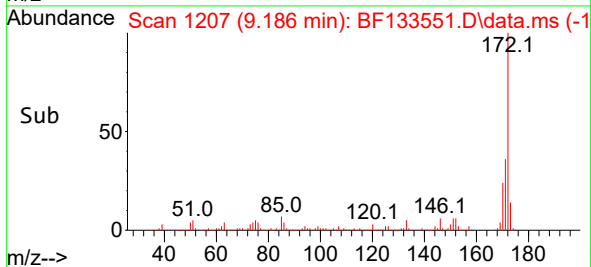
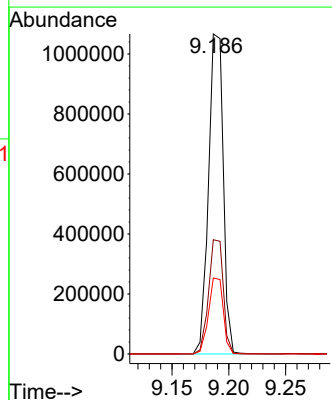
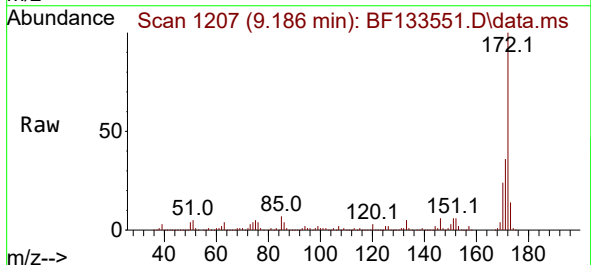
Instrument :
BNA_F
ClientSampleId :
WC12

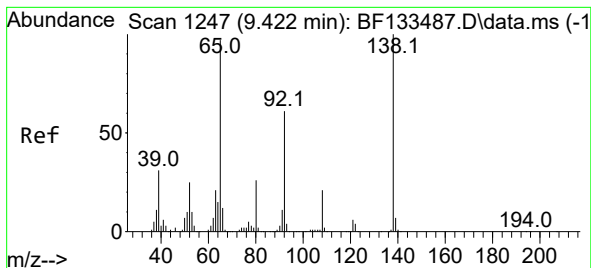
Tgt Ion: 330 Resp: 203404
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 32.2 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 59.456 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

Tgt Ion: 172 Resp: 961168
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.7 19.3 28.9





#48

2-Nitroaniline

Concen: 4.326 ng

RT: 9.186 min Scan# 11

Delta R.T. -0.230 min

Lab File: BF133551.D

Acq: 31 May 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC12

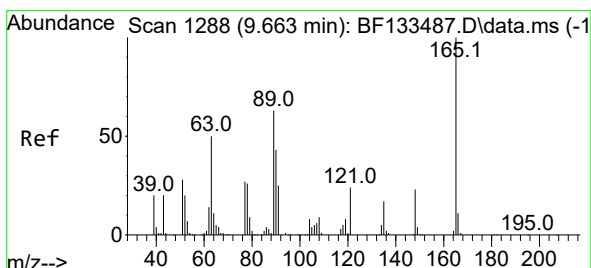
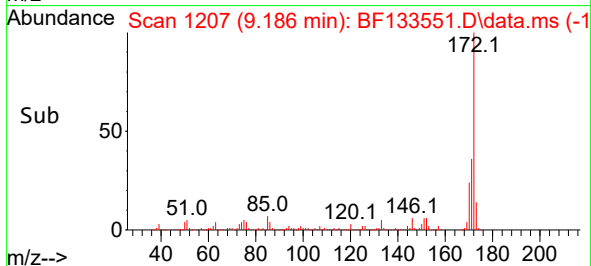
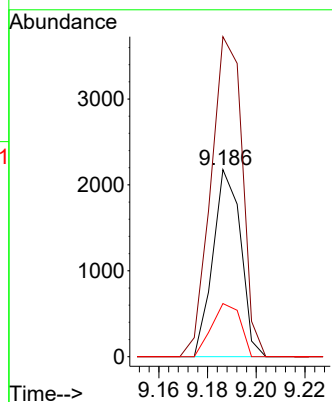
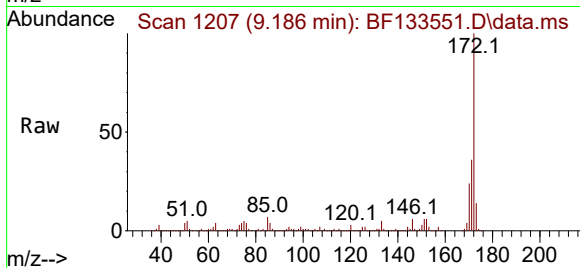
Tgt Ion: 65 Resp: 1724

Ion Ratio Lower Upper

65 100

92 171.2 50.8 76.2#

138 28.4 82.6 124.0#



#51

2,6-Dinitrotoluene

Concen: 12.702 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.211 min

Lab File: BF133551.D

Acq: 31 May 2023 21:34

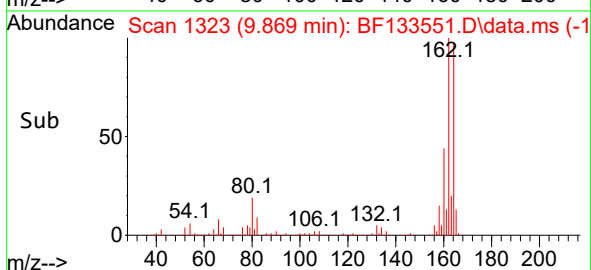
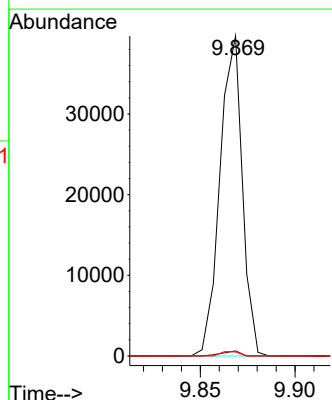
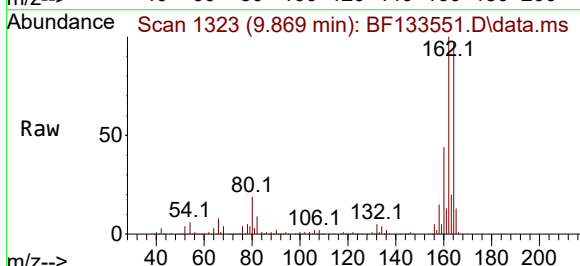
Tgt Ion:165 Resp: 32573

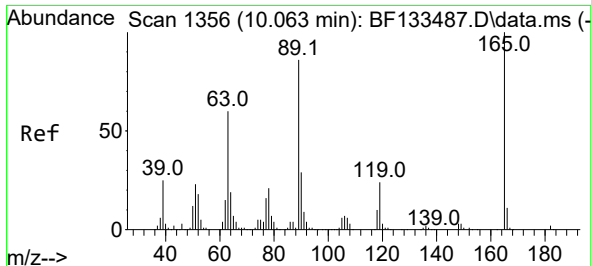
Ion Ratio Lower Upper

165 100

63 1.6 57.0 85.4#

89 1.3 50.8 76.2#

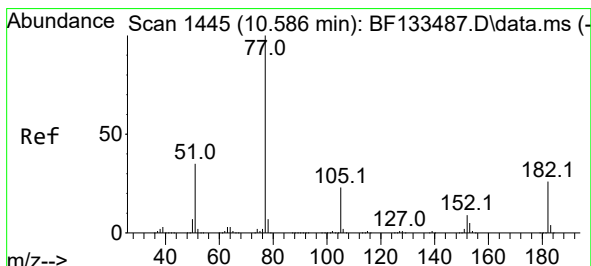
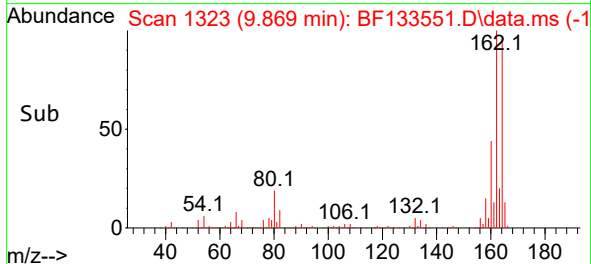
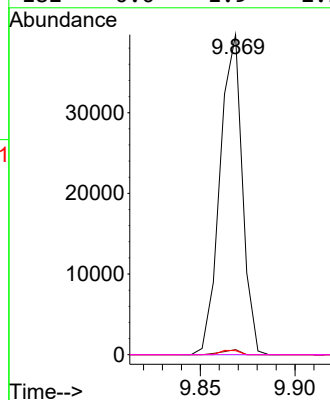
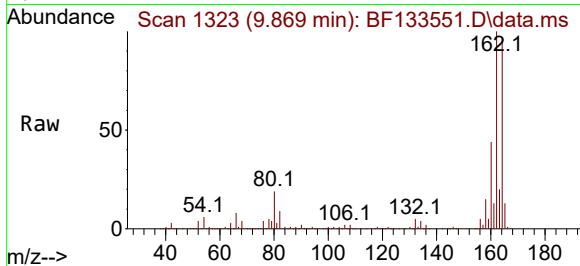




#57
2,4-Dinitrotoluene
Concen: 11.839 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

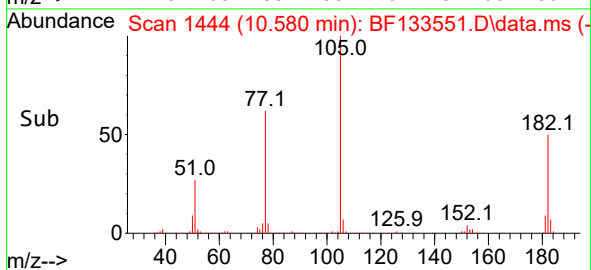
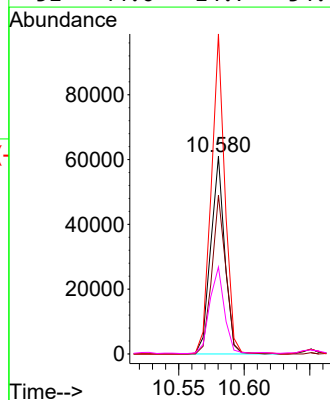
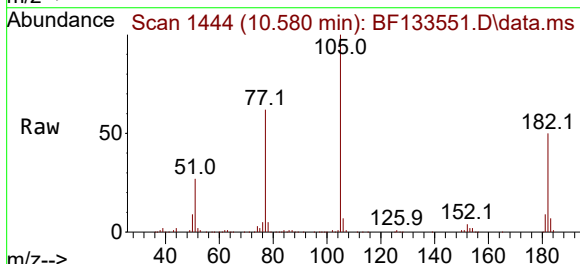
Instrument :
BNA_F
ClientSampleId :
WC12

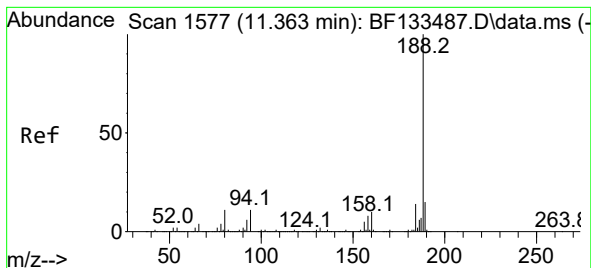
Tgt Ion:165 Resp: 32573
Ion Ratio Lower Upper
165 100
63 1.6 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.498 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

Tgt Ion: 77 Resp: 45516
Ion Ratio Lower Upper
77 100
182 80.3 5.6 45.6#
105 161.9 2.6 42.6#
51 44.0 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133551.D

Acq: 31 May 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC12

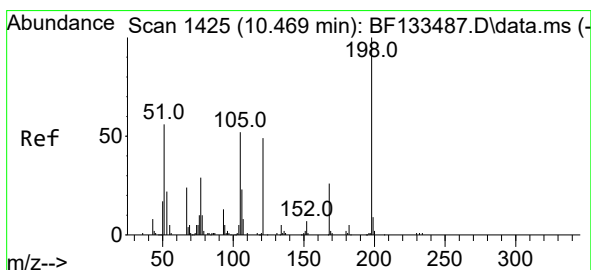
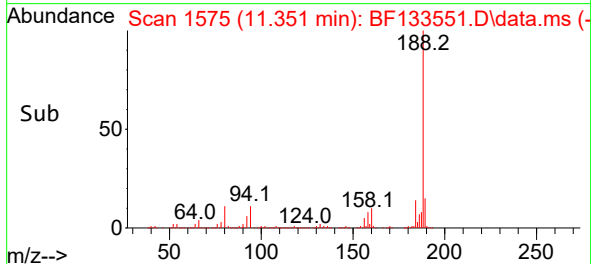
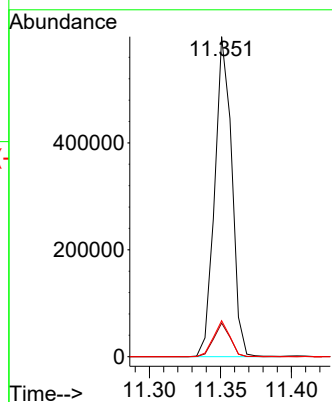
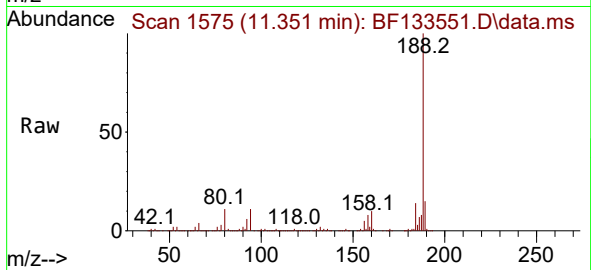
Tgt Ion:188 Resp: 501563

Ion Ratio Lower Upper

188 100

94 10.5 8.6 12.8

80 11.3 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.844 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.182 min

Lab File: BF133551.D

Acq: 31 May 2023 21:34

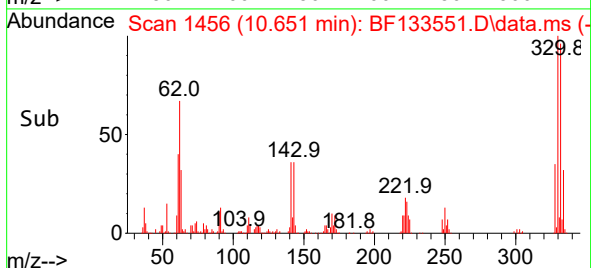
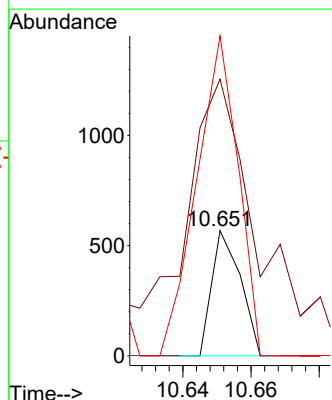
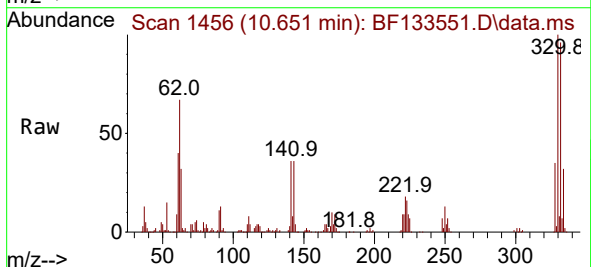
Tgt Ion:198 Resp: 331

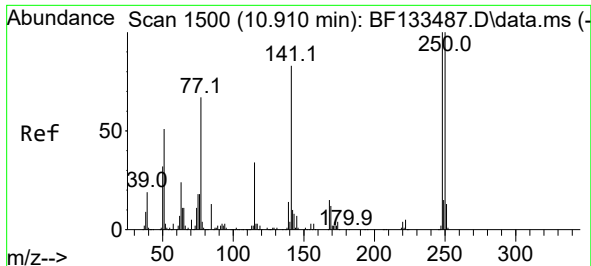
Ion Ratio Lower Upper

198 100

51 221.0 53.6 93.6#

105 255.5 35.9 75.9#





#67

4-Bromophenyl-phenylether

Concen: 2.397 ng

RT: 10.651 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF133551.D

Acq: 31 May 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC12

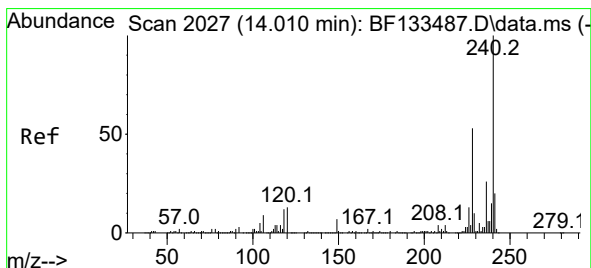
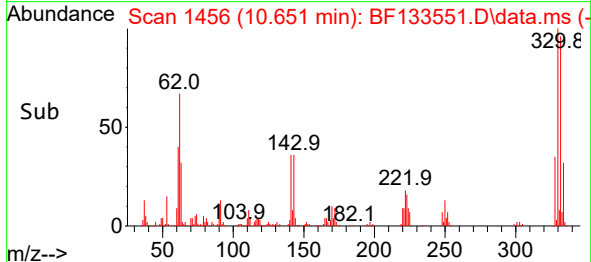
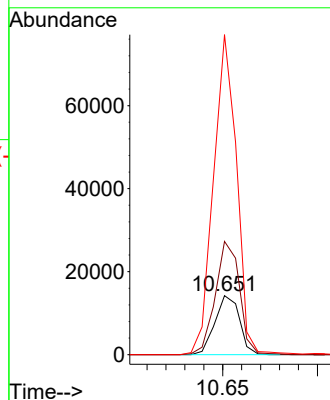
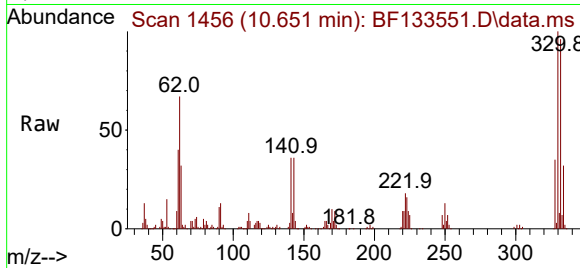
Tgt Ion:248 Resp: 12768

Ion Ratio Lower Upper

248 100

250 192.2 79.7 119.5#

141 542.6 66.6 100.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF133551.D

Acq: 31 May 2023 21:34

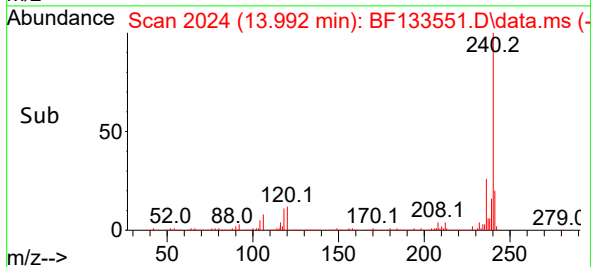
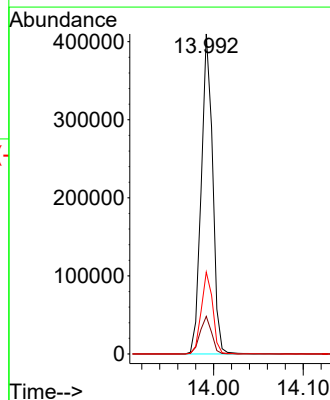
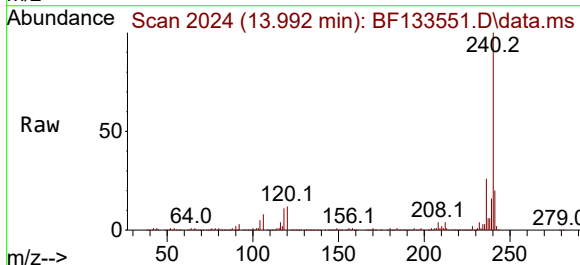
Tgt Ion:240 Resp: 360973

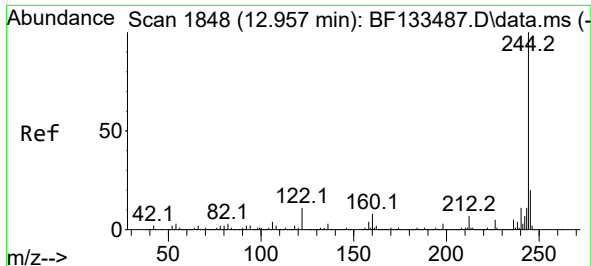
Ion Ratio Lower Upper

240 100

120 11.8 10.3 15.5

236 25.6 20.5 30.7

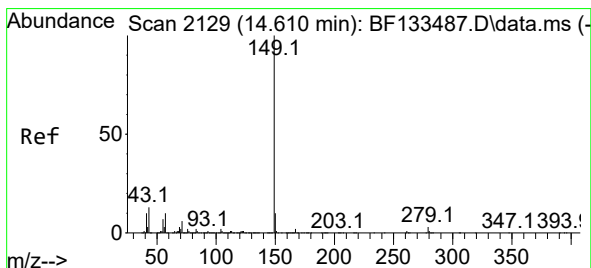
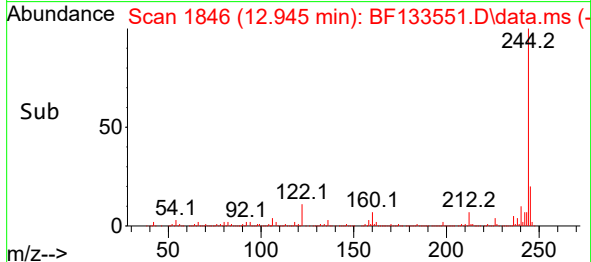
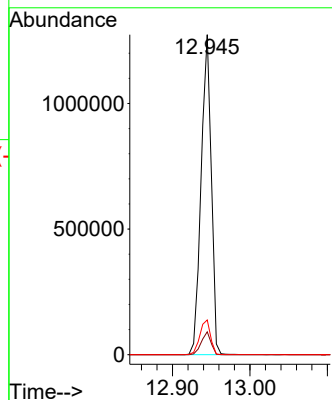
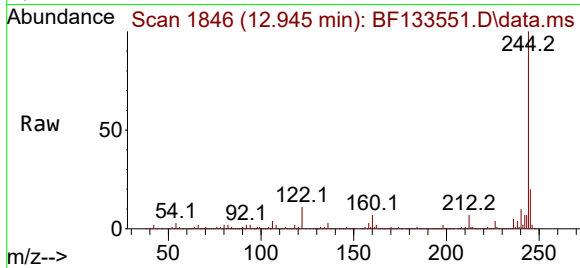




#79
 Terphenyl-d14
 Concen: 57.130 ng
 RT: 12.945 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133551.D
 Acq: 31 May 2023 21:34

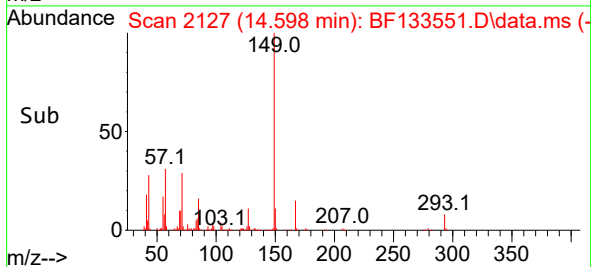
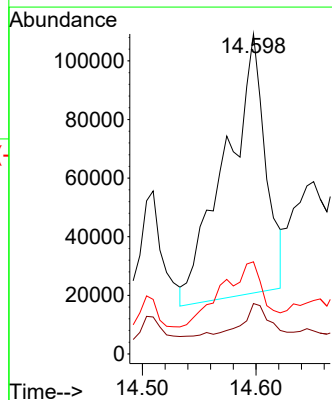
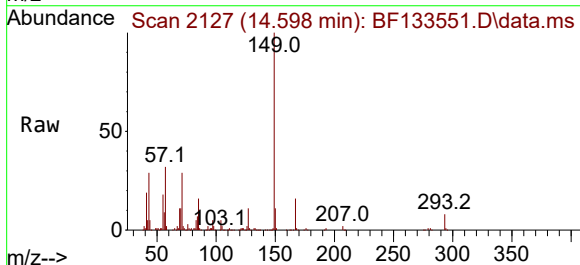
Instrument :
 BNA_F
 ClientSampleId :
 WC12

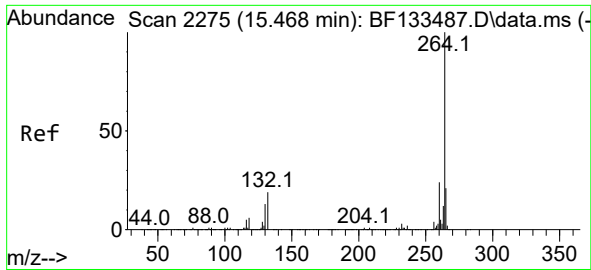
Tgt Ion:244 Resp: 1159871
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 10.9 8.5 12.7



#85
 Di-n-octyl phthalate
 Concen: 8.567 ng
 RT: 14.598 min Scan# 2127
 Delta R.T. -0.006 min
 Lab File: BF133551.D
 Acq: 31 May 2023 21:34

Tgt Ion:149 Resp: 216794
 Ion Ratio Lower Upper
 149 100
 167 5.9 1.3 1.9#
 43 26.4 10.0 15.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133551.D
Acq: 31 May 2023 21:34

Instrument :
BNA_F
ClientSampleId :
WC12

Tgt Ion:264 Resp: 294839

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.2	16.8	25.2

