

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133160.D
 Acq On : 01 May 2023 17:34
 Operator : CG\JU
 Sample : 02495-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GMW-11

Quant Time: May 02 05:20:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

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

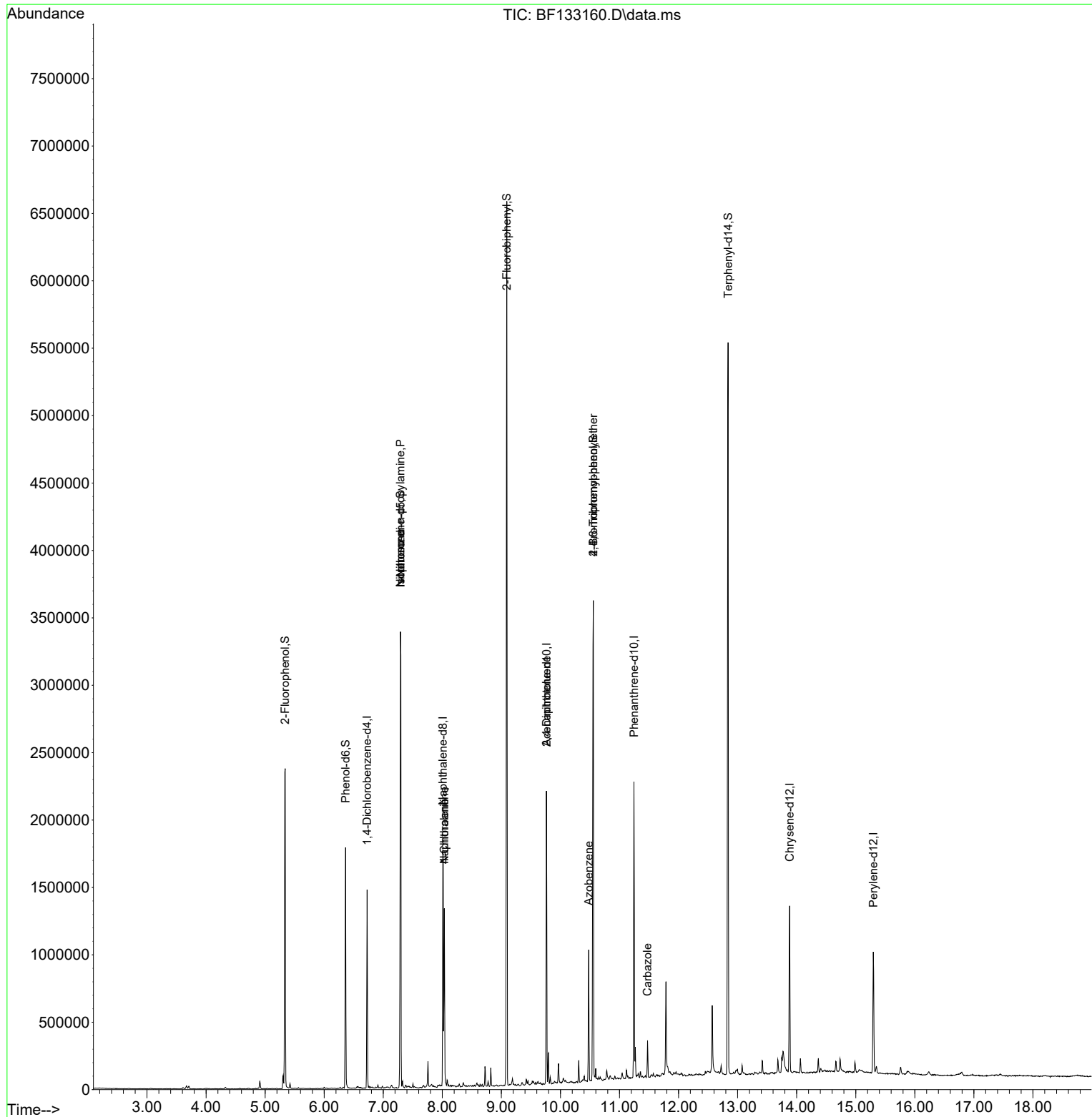
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	183210	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	760278	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	400731	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	730478	20.000	ng	0.00
76) Chrysene-d12	13.880	240	376793	20.000	ng	-0.01
86) Perylene-d12	15.298	264	369828	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	687874	56.717	ng	0.00
7) Phenol-d6	6.363	99	510124	33.887	ng	-0.01
23) Nitrobenzene-d5	7.292	82	1164658	82.686	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	483868	120.063	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1927453	80.469	ng	0.00
79) Terphenyl-d14	12.839	244	2044065	93.561	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.269	77	1462	Below Cal	#	80
19) n-Nitroso-di-n-propyla...	7.292	70	154958	16.535	ng	# 77
25) Isophorone	7.292	82	1164602	43.548	ng	# 63
31) Naphthalene	8.033	128	445350	11.716	ng	# 99
33) 4-Chloroaniline	8.033	127	57901	3.770	ng	# 35
57) 2,4-Dinitrotoluene	9.763	165	52656	6.565	ng	# 24
63) Azobenzene	10.480	77	150984	5.400	ng	# 1
67) 4-Bromophenyl-phenylether	10.557	248	30048	3.793	ng	# 1
73) Carbazole	11.474	167	95493	2.669	ng	# 97

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

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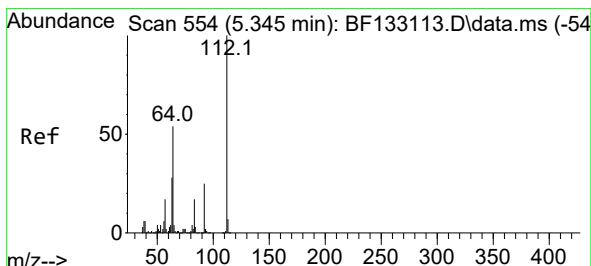
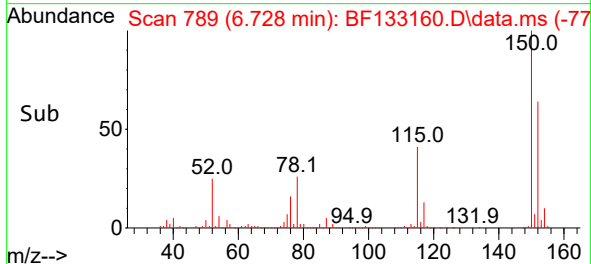
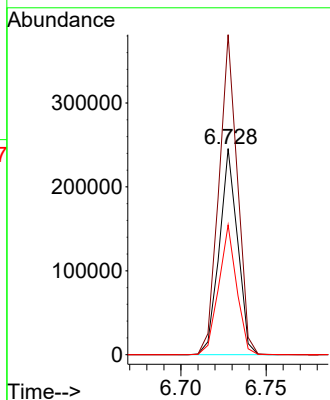
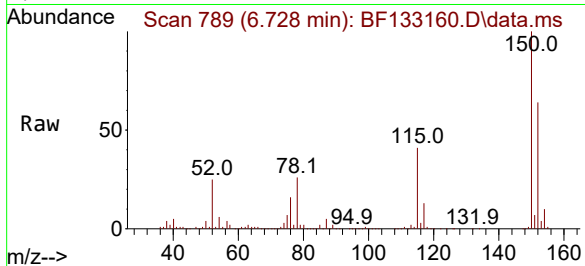




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

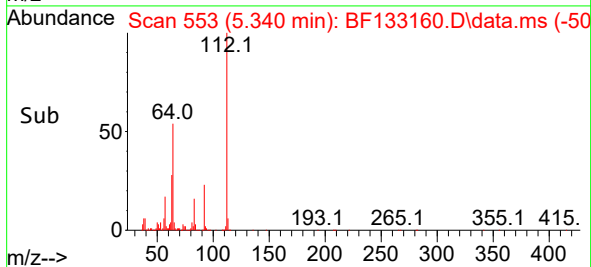
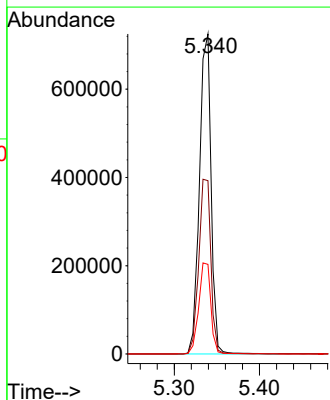
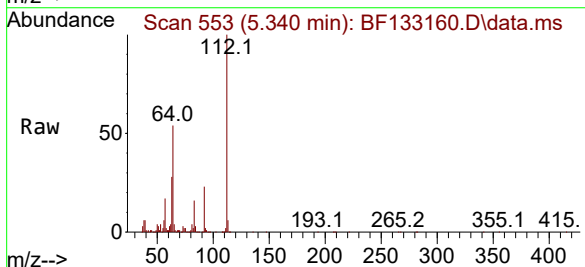
Instrument :
BNA_F
ClientSampleId :
GMW-11

Tgt Ion:152 Resp: 183210
Ion Ratio Lower Upper
152 100
150 155.3 124.8 187.2
115 63.0 49.9 74.9



#5
2-Fluorophenol
Concen: 56.717 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

Tgt Ion:112 Resp: 687874
Ion Ratio Lower Upper
112 100
64 54.2 46.8 70.2
63 28.0 23.8 35.8





#7

Phenol-d6

Concen: 33.887 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF133160.D

Acq: 01 May 2023 17:34

Instrument :

BNA_F

ClientSampleId :

GMW-11

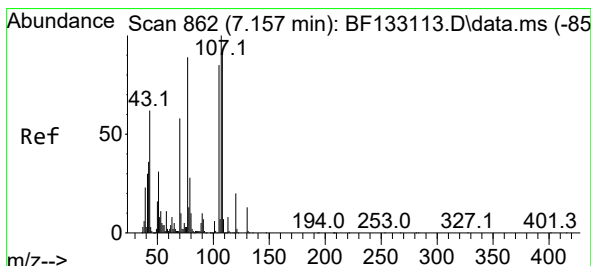
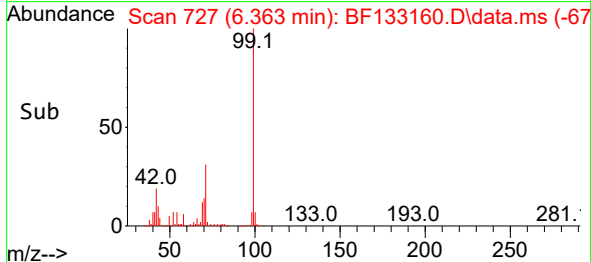
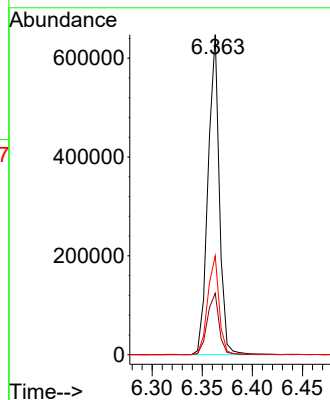
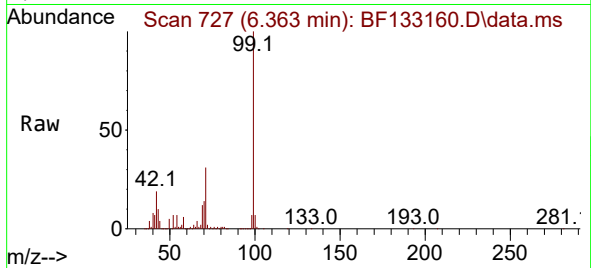
Tgt Ion: 99 Resp: 510124

Ion Ratio Lower Upper

99 100

42 19.2 16.3 24.5

71 30.9 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.535 ng

RT: 7.292 min Scan# 885

Delta R.T. 0.135 min

Lab File: BF133160.D

Acq: 01 May 2023 17:34

Tgt Ion: 70 Resp: 154958

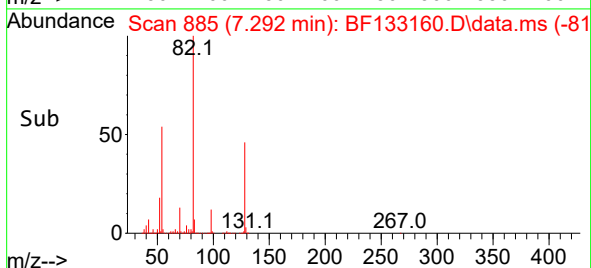
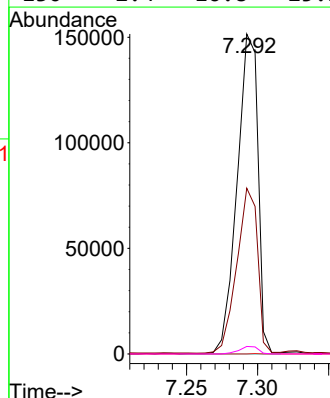
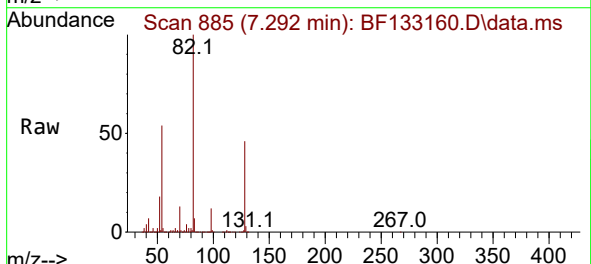
Ion Ratio Lower Upper

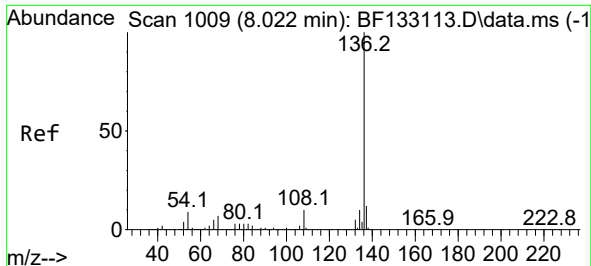
70 100

42 51.8 51.8 77.6

101 0.0 8.0 12.0#

130 2.4 16.8 25.2#

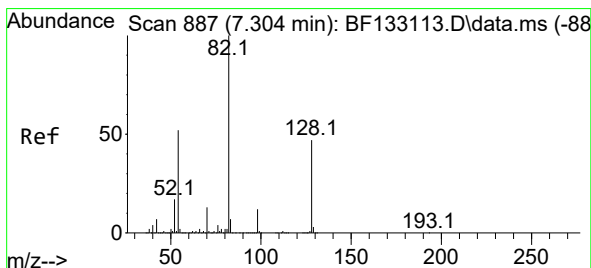
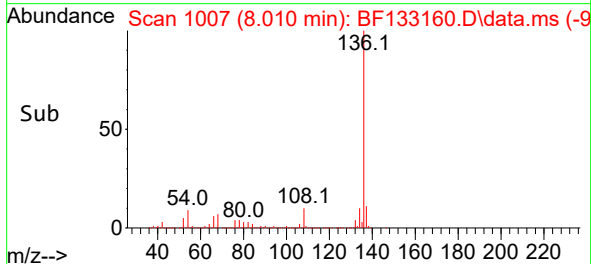
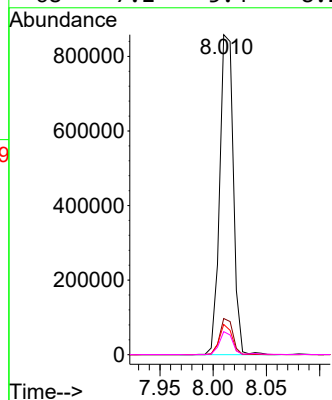
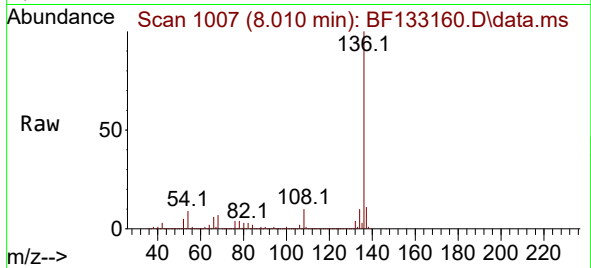




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

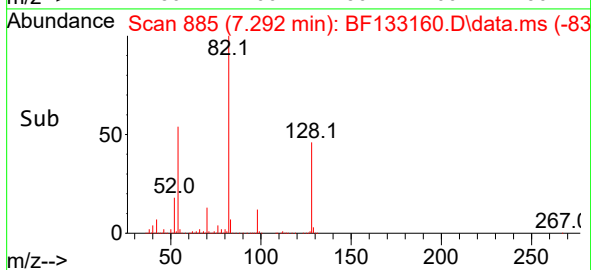
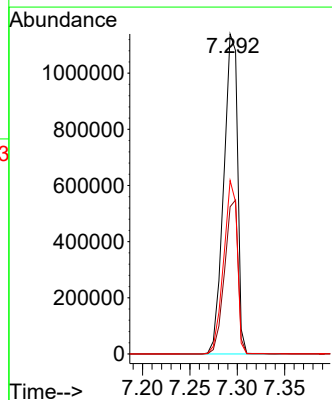
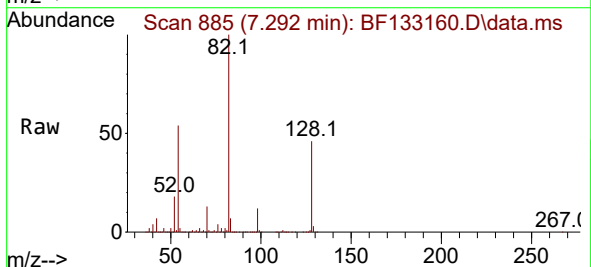
Instrument :
BNA_F
ClientSampleId :
GMW-11

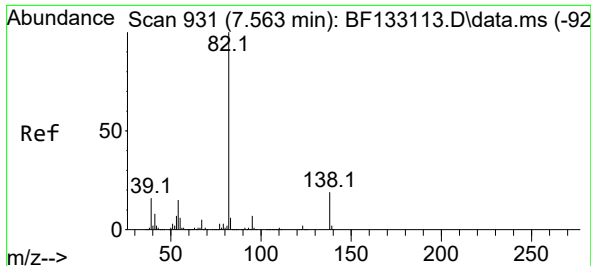
Tgt Ion:136 Resp: 760278
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.4 7.0 10.4
68 7.2 5.4 8.2



#23
Nitrobenzene-d5
Concen: 82.686 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

Tgt Ion: 82 Resp: 1164658
Ion Ratio Lower Upper
82 100
128 46.0 37.7 56.5
54 54.2 43.0 64.4

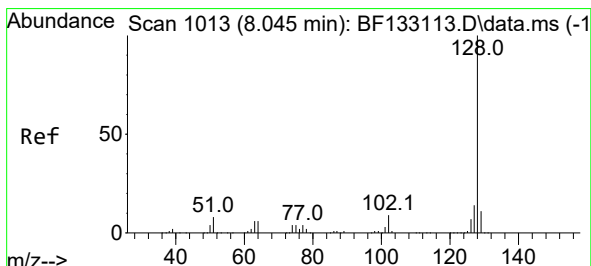
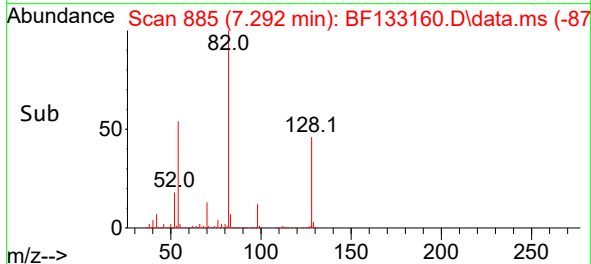
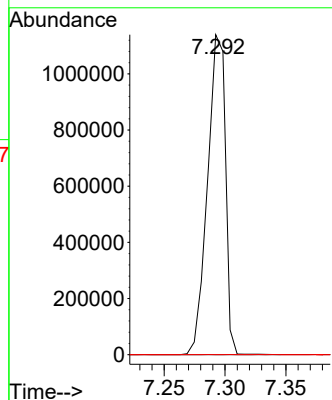
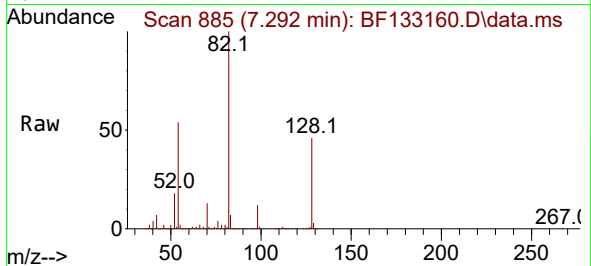




#25
Isophorone
Concen: 43.548 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

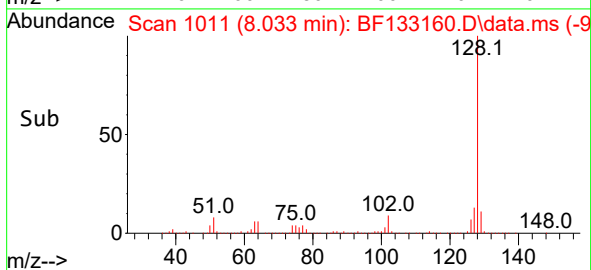
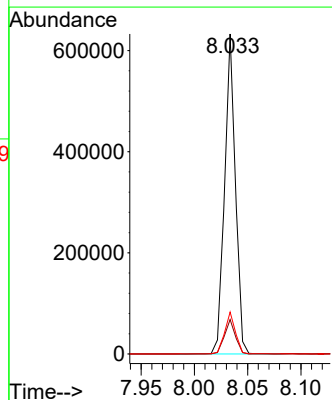
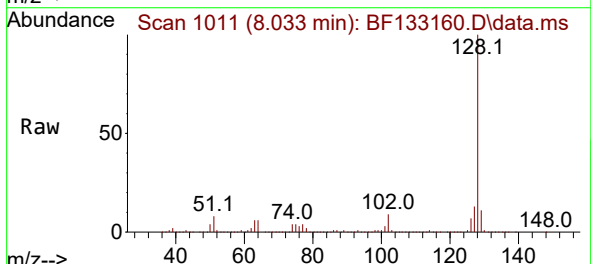
Instrument :
BNA_F
ClientSampleId :
GMW-11

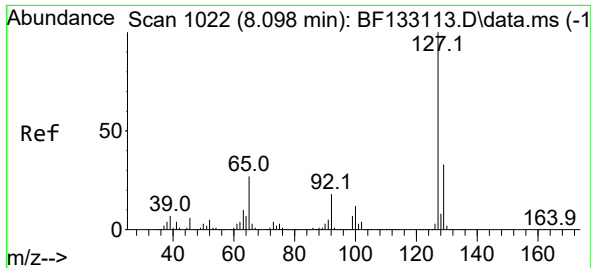
Tgt Ion: 82 Resp: 1164602
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 11.716 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

Tgt Ion:128 Resp: 445350
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.1 10.7 16.1

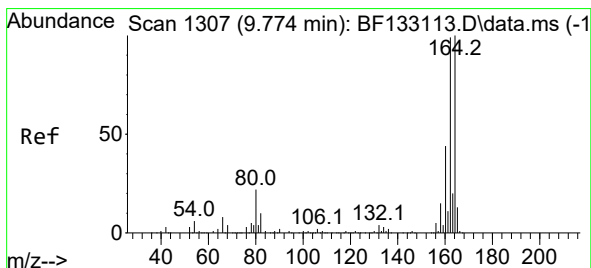
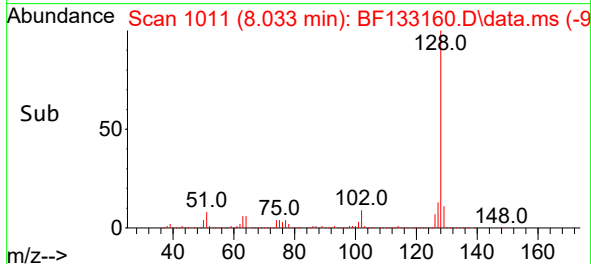
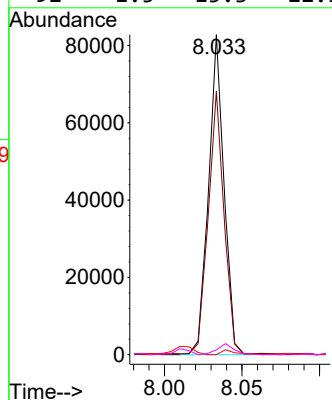
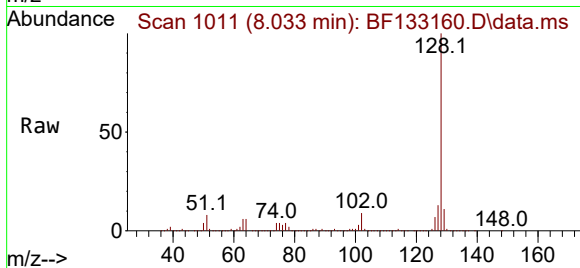




#33
4-Chloroaniline
Concen: 3.770 ng
RT: 8.033 min Scan# 1022
Delta R.T. -0.059 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

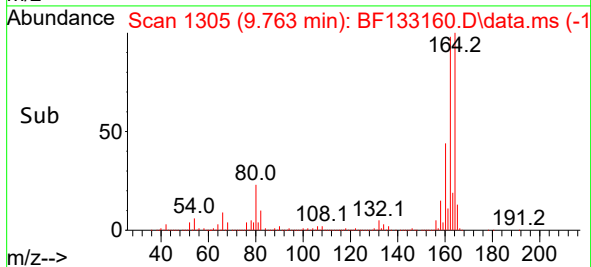
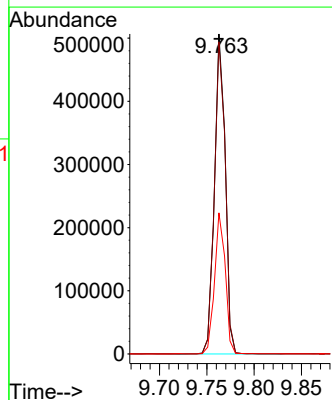
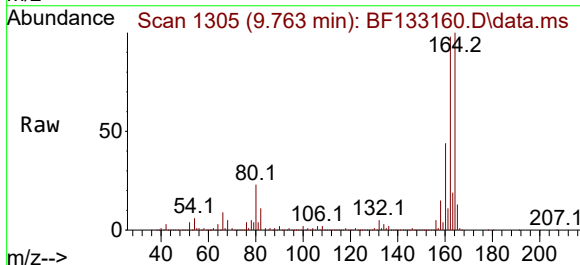
Instrument :
BNA_F
ClientSampleId :
GMW-11

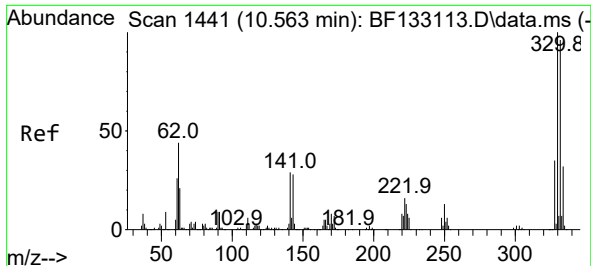
Tgt Ion:127	Resp:	57901
Ion Ratio	Lower	Upper
127	100	
129	82.4	25.8 38.8#
65	0.0	23.6 35.4#
92	1.5	15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

Tgt Ion:164	Resp:	400731
Ion Ratio	Lower	Upper
164	100	
162	97.6	78.7 118.1
160	44.1	35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 120.063 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF133160.D

Acq: 01 May 2023 17:34

Instrument :

BNA_F

ClientSampleId :

GMW-11

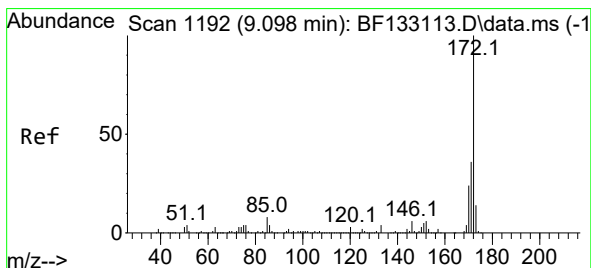
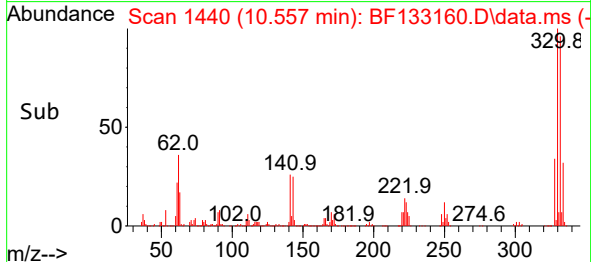
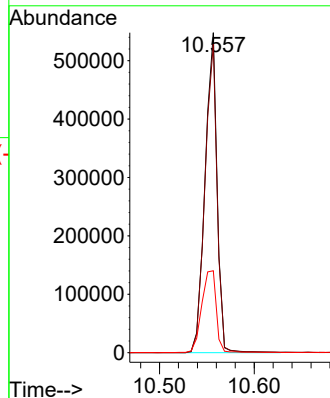
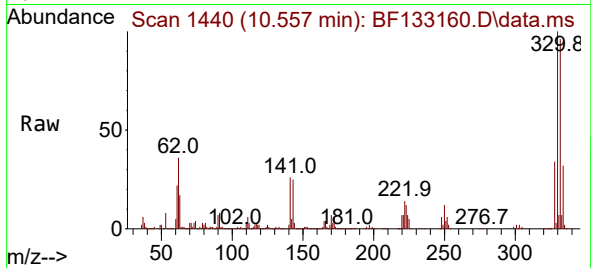
Tgt Ion:330 Resp: 483868

Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

141 31.2 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 80.469 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133160.D

Acq: 01 May 2023 17:34

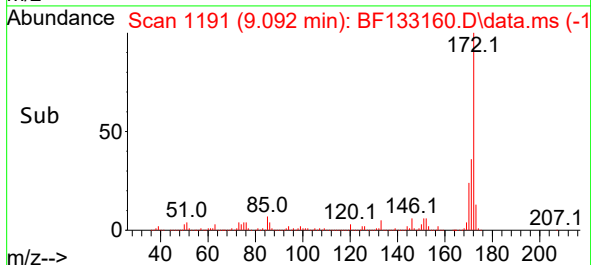
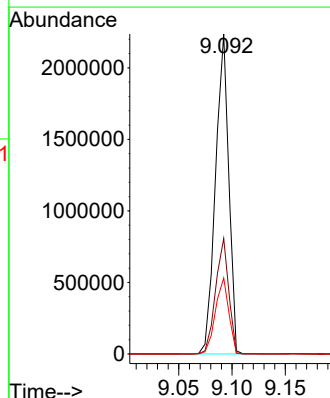
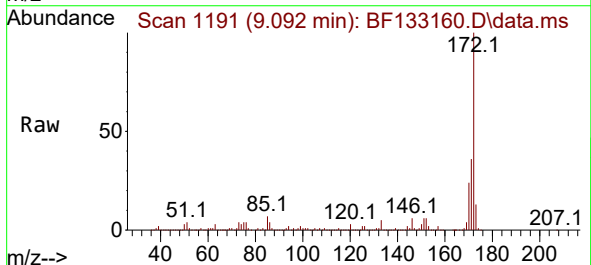
Tgt Ion:172 Resp: 1927453

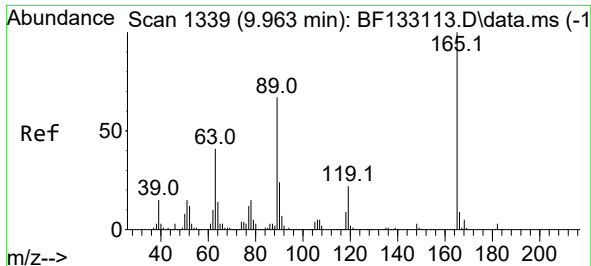
Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.8 19.4 29.2

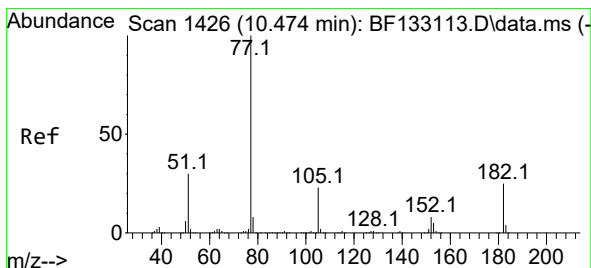
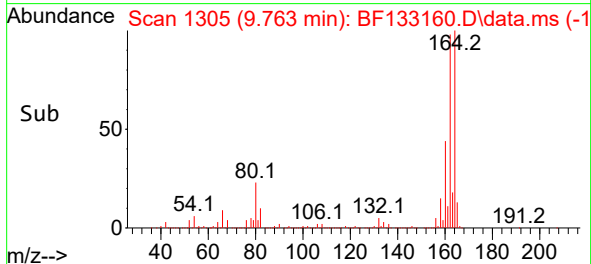
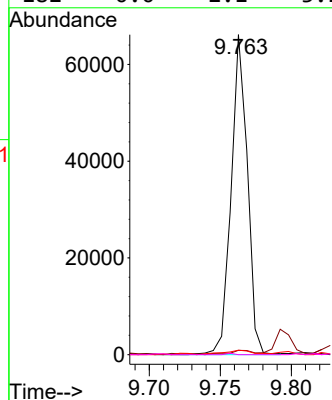
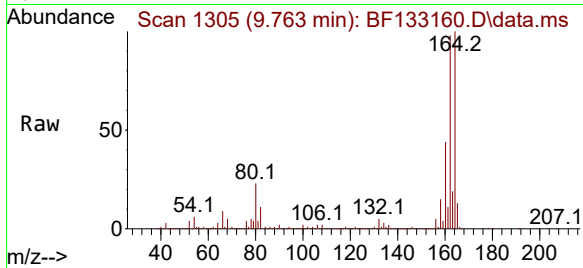




#57
2,4-Dinitrotoluene
Concen: 6.565 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

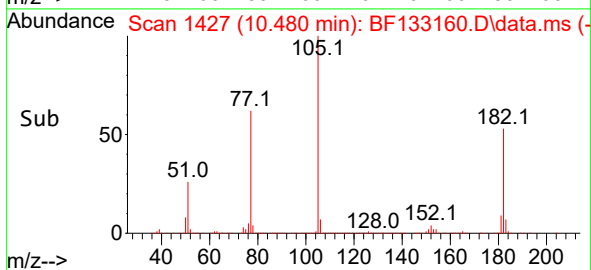
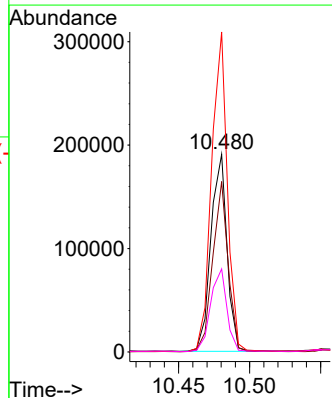
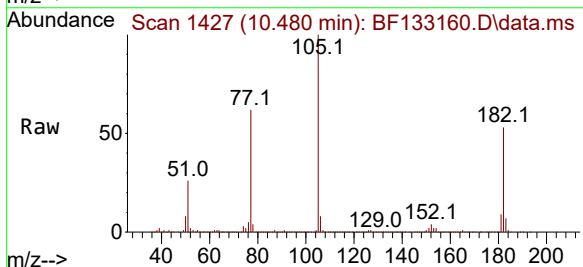
Instrument :
BNA_F
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GMW-11

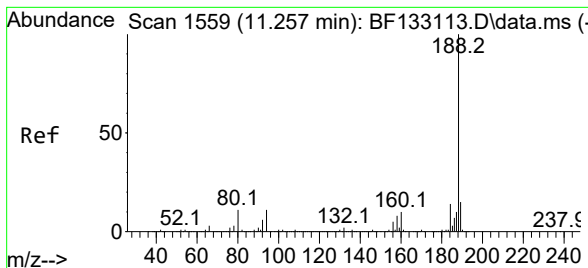
Tgt Ion:165 Resp: 52656
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 1.4 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 5.400 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF133160.D
Acq: 01 May 2023 17:34

Tgt Ion: 77 Resp: 150984
Ion Ratio Lower Upper
77 100
182 86.2 5.9 45.9#
105 161.9 2.3 42.3#
51 42.0 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133160.D

Acq: 01 May 2023 17:34

Instrument :

BNA_F

ClientSampleId :

GMW-11

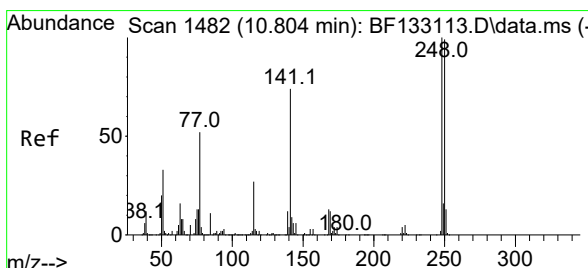
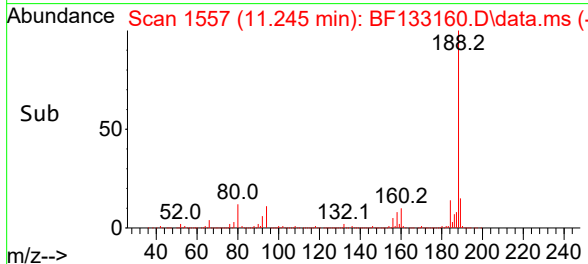
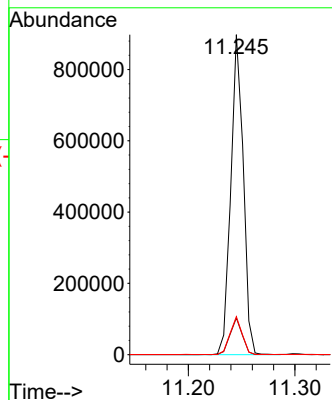
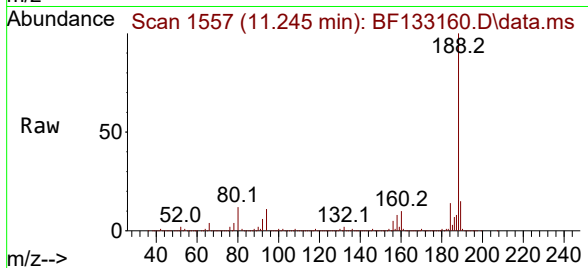
Tgt Ion:188 Resp: 730478

Ion Ratio Lower Upper

188 100

94 11.5 9.7 14.5

80 11.9 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 3.793 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.247 min

Lab File: BF133160.D

Acq: 01 May 2023 17:34

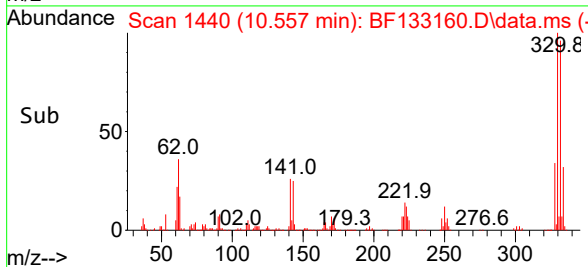
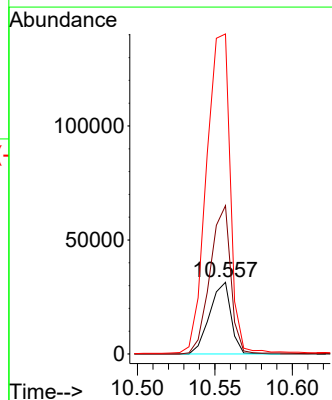
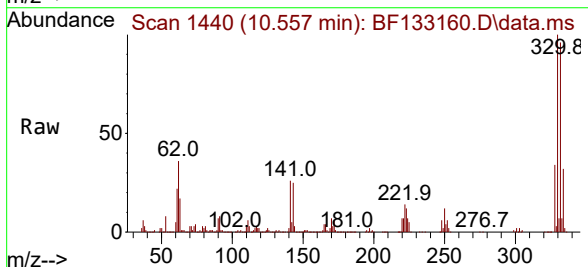
Tgt Ion:248 Resp: 30048

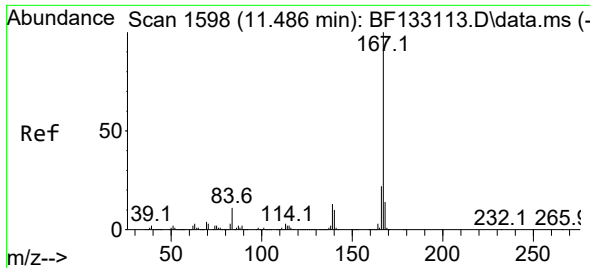
Ion Ratio Lower Upper

248 100

250 207.0 78.7 118.1#

141 446.9 56.3 84.5#

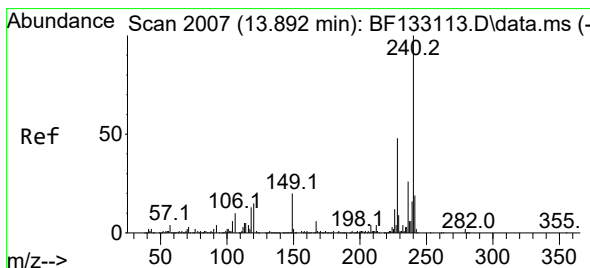
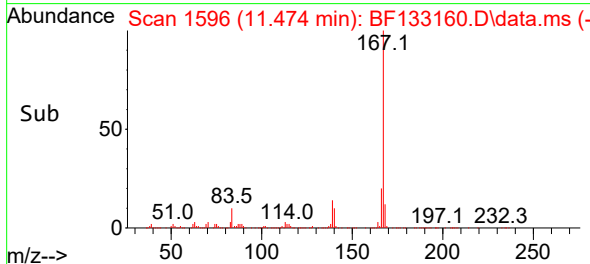
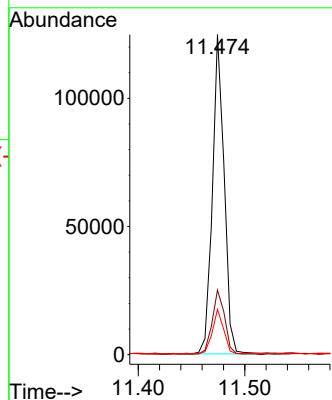
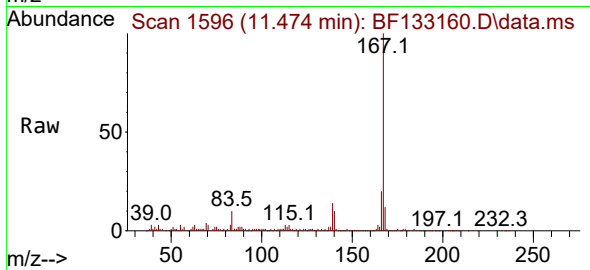




#73
 Carbazole
 Concen: 2.669 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133160.D
 Acq: 01 May 2023 17:34

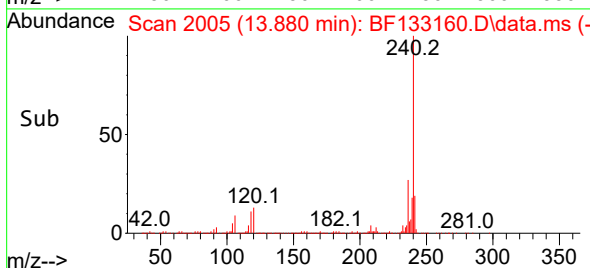
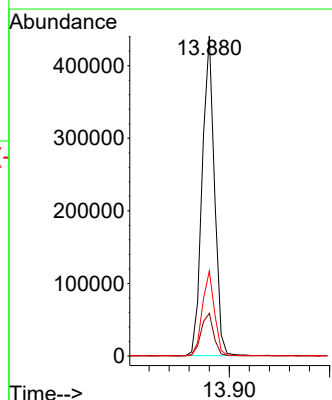
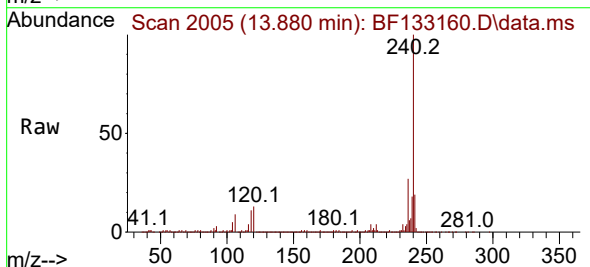
Instrument :
 BNA_F
 ClientSampleId :
 GMW-11

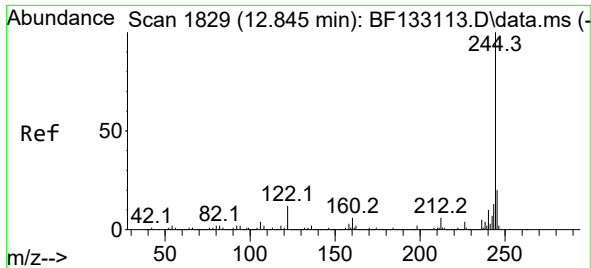
Tgt Ion:167 Resp: 95493
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.0
 139 14.1 10.6 16.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.880 min Scan# 2005
 Delta R.T. -0.012 min
 Lab File: BF133160.D
 Acq: 01 May 2023 17:34

Tgt Ion:240 Resp: 376793
 Ion Ratio Lower Upper
 240 100
 120 13.3 10.5 15.7
 236 26.5 21.5 32.3

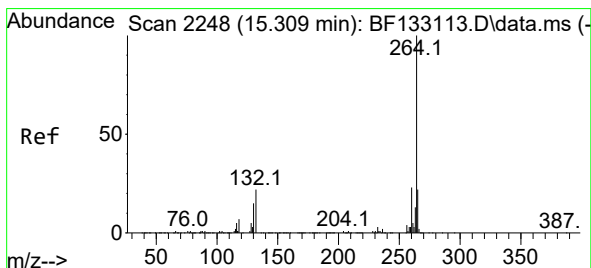
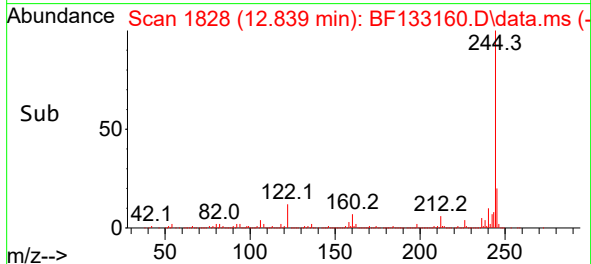
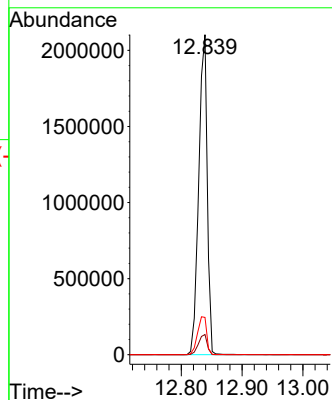
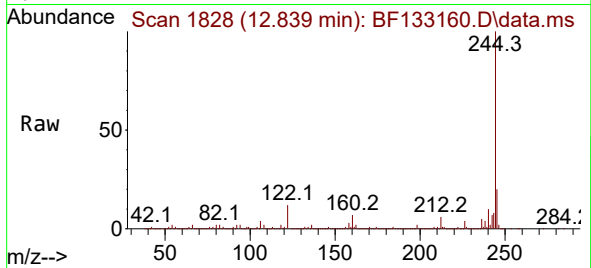




#79
 Terphenyl-d14
 Concen: 93.561 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. 0.000 min
 Lab File: BF133160.D
 Acq: 01 May 2023 17:34

Instrument :
 BNA_F
 ClientSampleId :
 GMW-11

Tgt Ion:244 Resp: 2044065
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.7 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.298 min Scan# 2246
 Delta R.T. -0.006 min
 Lab File: BF133160.D
 Acq: 01 May 2023 17:34

Tgt Ion:264 Resp: 369828
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.8 28.2
 265 21.4 17.0 25.4

