

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133143.D
 Acq On : 29 Apr 2023 02:40
 Operator : CG\JU
 Sample : 02522-03DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12DL

Quant Time: May 01 03:11:32 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 03:03:04 2023
 Response via : Initial Calibration

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

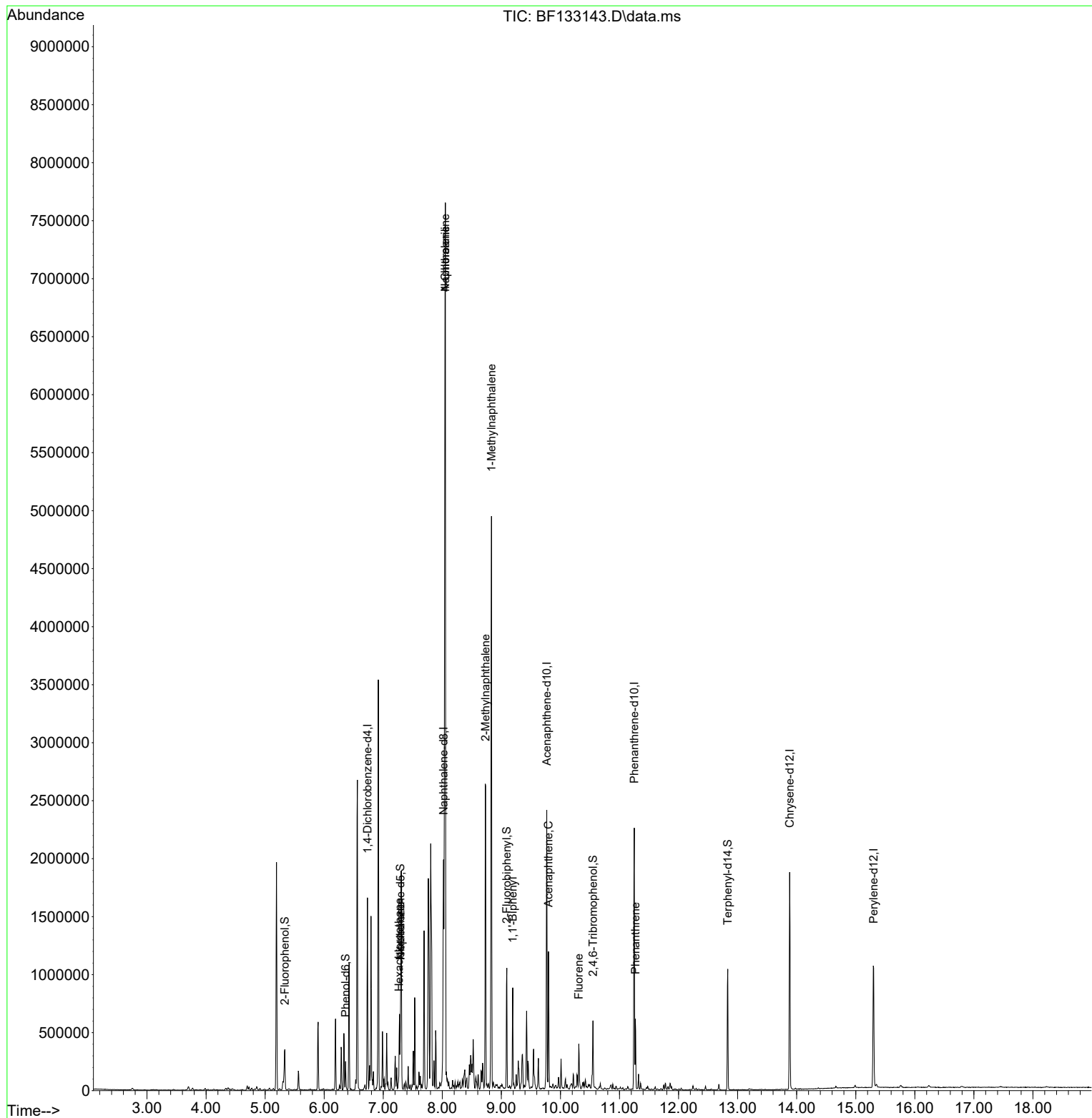
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	212031	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	874371	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	442161	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	801778	20.000	ng	0.00
76) Chrysene-d12	13.880	240	580600	20.000	ng	-0.01
86) Perylene-d12	15.304	264	460102	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	90572	6.453	ng	0.00
7) Phenol-d6	6.363	99	65065	3.735	ng	-0.02
23) Nitrobenzene-d5	7.292	82	145407	8.976	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	62118	13.969	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	295323	11.174	ng	0.00
79) Terphenyl-d14	12.833	244	345764	10.271	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.287	77	15338	Below Cal	#	1
18) Hexachloroethane	7.269	117	49902	9.452	ng	# 1
25) Isophorone	7.292	82	144147	4.687	ng	# 62
31) Naphthalene	8.051	128	4052701	92.706	ng	98
33) 4-Chloroaniline	8.051	127	572146	32.392	ng	# 36
37) 2-Methylnaphthalene	8.733	142	720045	24.092	ng	100
38) 1-Methylnaphthalene	8.833	142	1242096	44.425	ng	99
46) 1,1'-Biphenyl	9.192	154	238490	6.802	ng	97
52) Acenaphthene	9.798	154	230267	8.385	ng	99
58) Fluorene	10.310	166	100330	3.655	ng	100
71) Phenanthrene	11.269	178	207581	4.817	ng	98

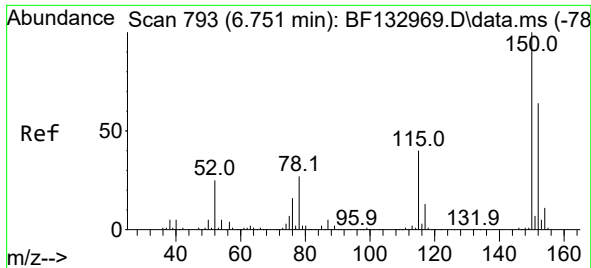
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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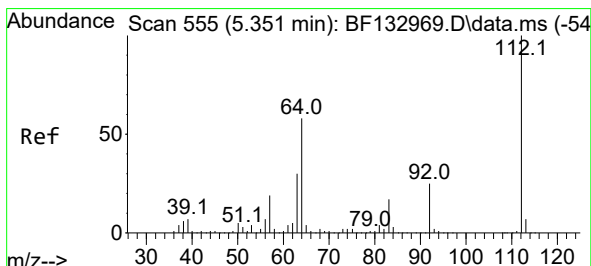
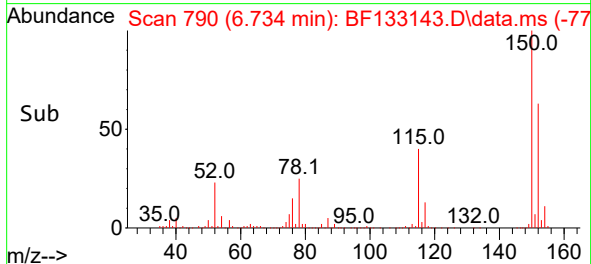
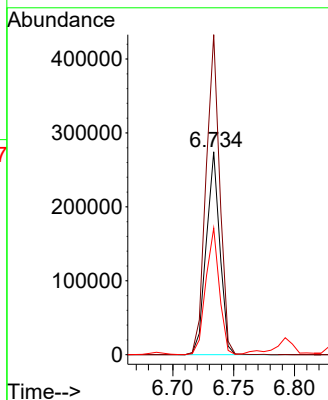
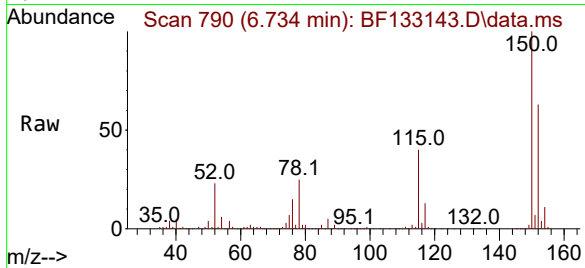




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

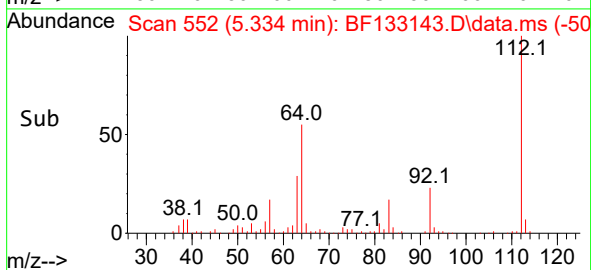
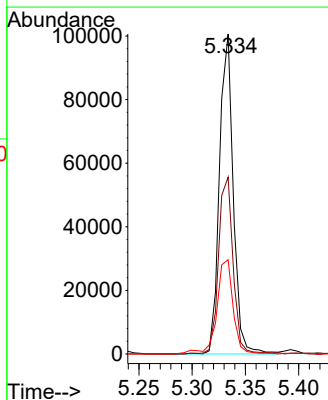
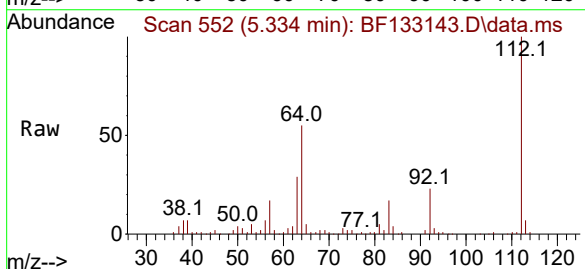
Instrument :
BNA_F
ClientSampleId :
MW-12DL

Tgt Ion:152 Resp: 212031
Ion Ratio Lower Upper
152 100
150 157.7 124.8 187.2
115 62.4 49.9 74.9



#5
2-Fluorophenol
Concen: 6.453 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

Tgt Ion:112 Resp: 90572
Ion Ratio Lower Upper
112 100
64 55.3 46.8 70.2
63 29.5 23.8 35.8





#7

Phenol-d6

Concen: 3.735 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF133143.D

Acq: 29 Apr 2023 02:40

Instrument :

BNA_F

ClientSampleId :

MW-12DL

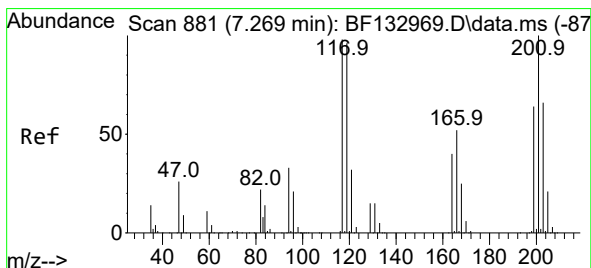
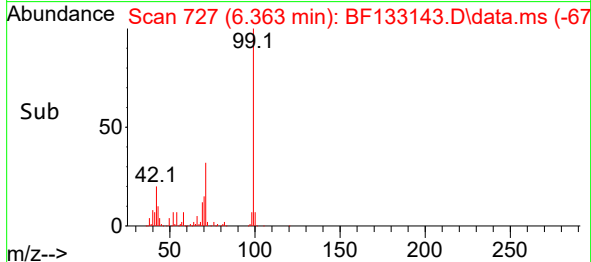
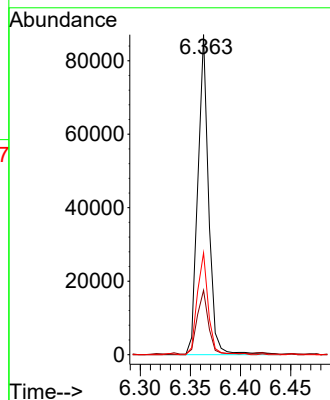
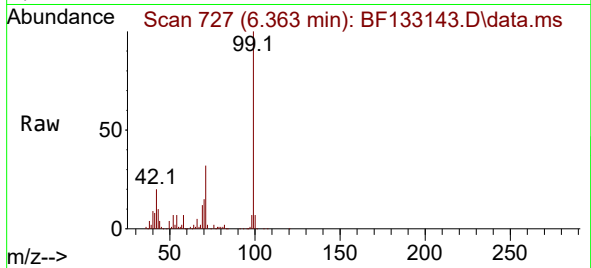
Tgt Ion: 99 Resp: 65065

Ion Ratio Lower Upper

99 100

42 20.1 16.3 24.5

71 31.8 25.6 38.4



#18

Hexachloroethane

Concen: 9.452 ng

RT: 7.269 min Scan# 881

Delta R.T. 0.018 min

Lab File: BF133143.D

Acq: 29 Apr 2023 02:40

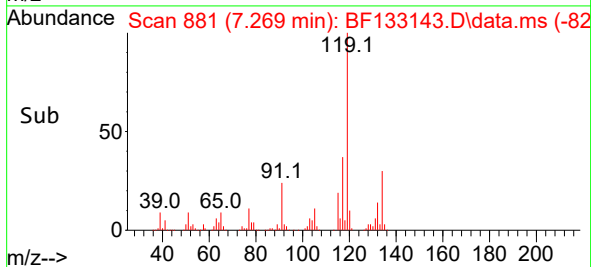
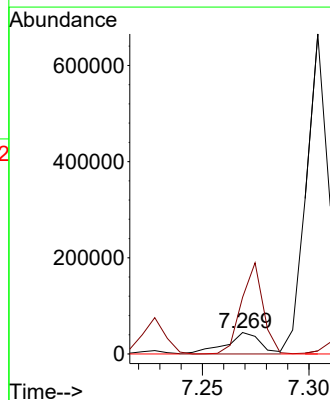
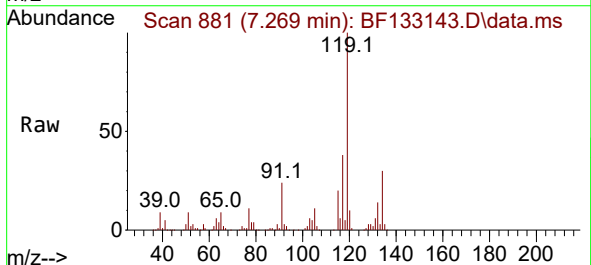
Tgt Ion: 117 Resp: 49902

Ion Ratio Lower Upper

117 100

119 264.9 78.2 117.4#

201 0.0 81.7 122.5#

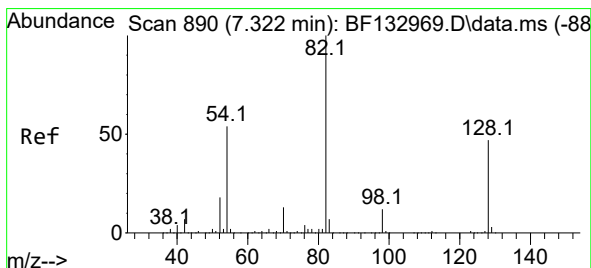
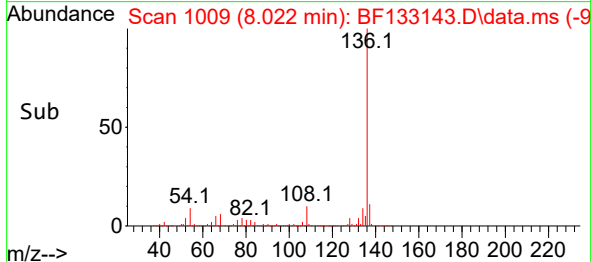
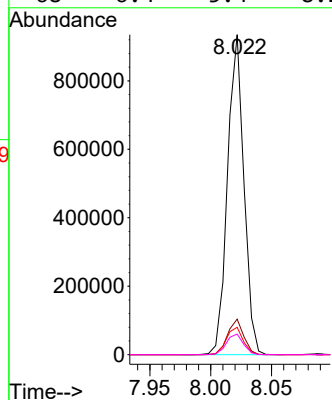
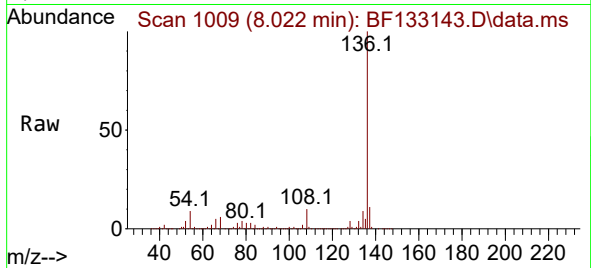




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

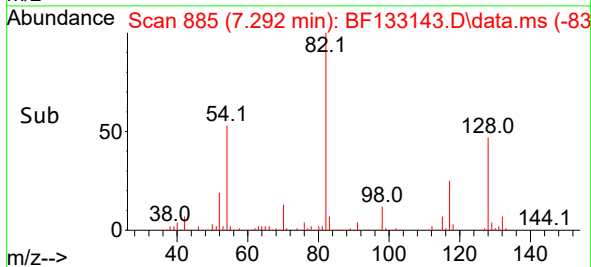
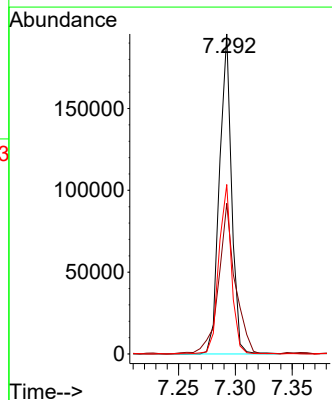
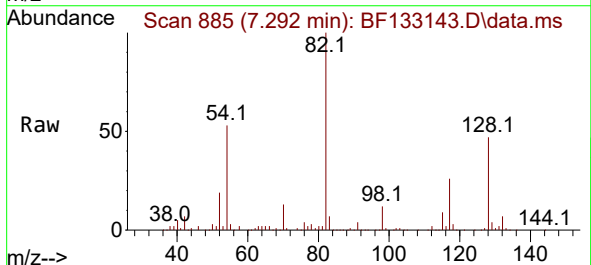
Instrument :
BNA_F
ClientSampleId :
MW-12DL

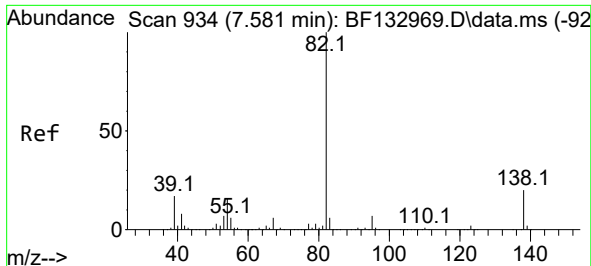
Tgt Ion:136 Resp: 874371
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.5 7.0 10.4
68 6.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 8.976 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

Tgt Ion: 82 Resp: 145407
Ion Ratio Lower Upper
82 100
128 47.0 37.7 56.5
54 53.0 43.0 64.4

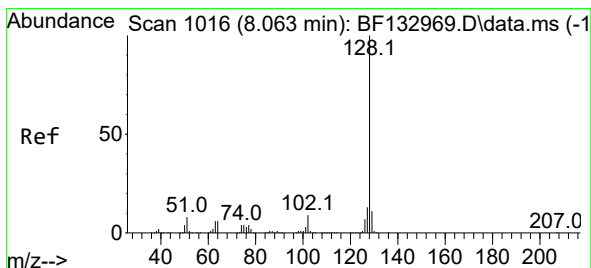
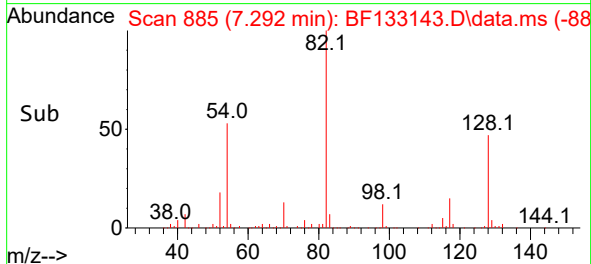
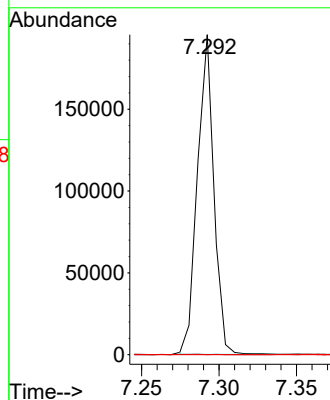
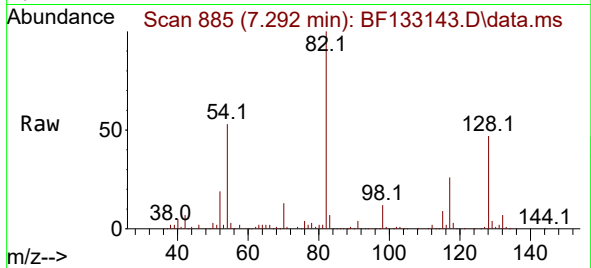




#25
Isophorone
Concen: 4.687 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

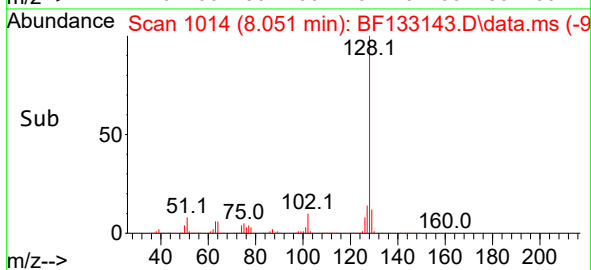
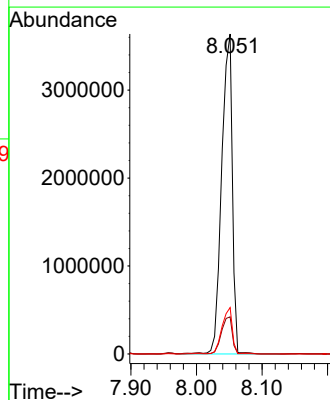
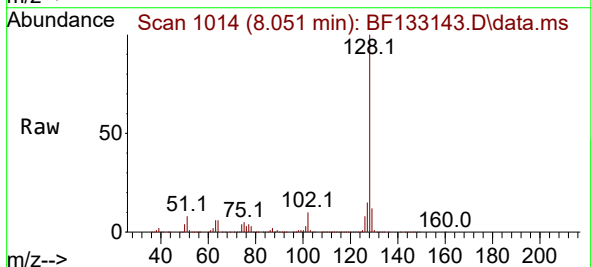
Instrument :
BNA_F
ClientSampleId :
MW-12DL

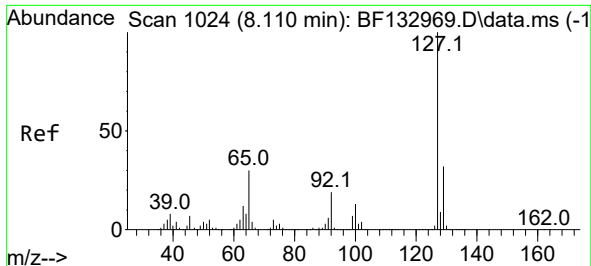
Tgt Ion: 82 Resp: 144147
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 92.706 ng
RT: 8.051 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

Tgt Ion: 128 Resp: 4052701
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 14.5 10.7 16.1

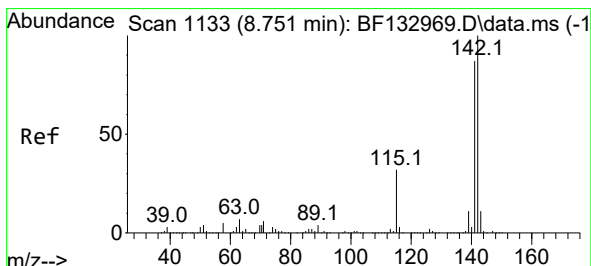
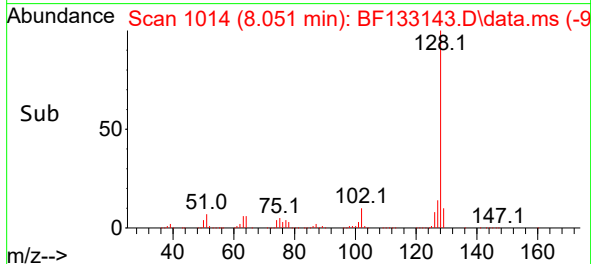
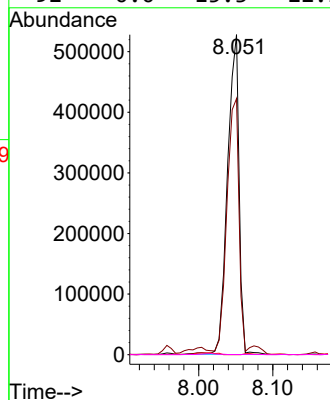
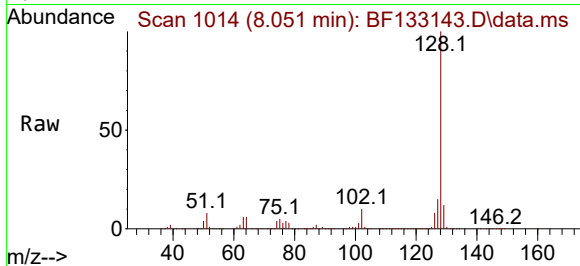




#33
4-Chloroaniline
Concen: 32.392 ng
RT: 8.051 min Scan# 110
Delta R.T. -0.041 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

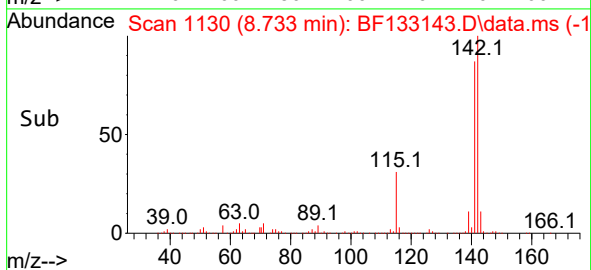
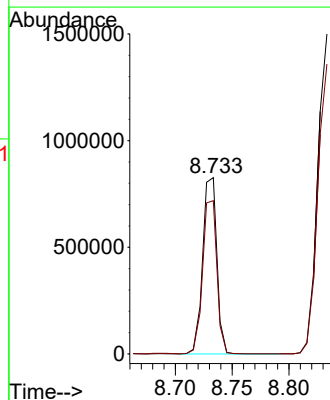
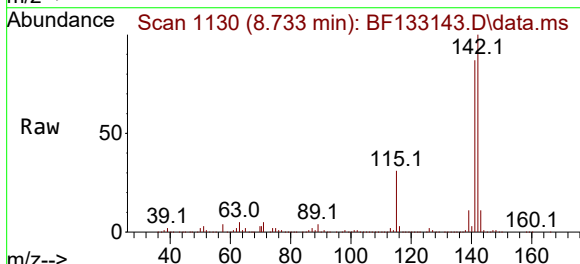
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ClientSampleId :
MW-12DL

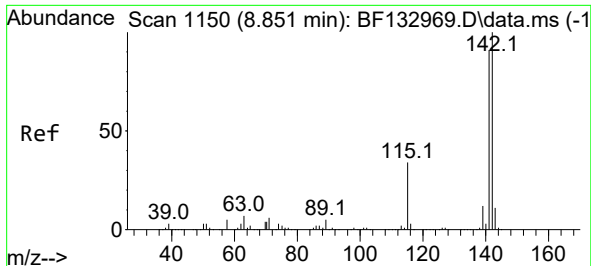
Tgt Ion:127 Resp: 572146
Ion Ratio Lower Upper
127 100
129 80.0 25.8 38.8#
65 0.0 23.6 35.4#
92 0.0 15.3 22.9#



#37
2-Methylnaphthalene
Concen: 24.092 ng
RT: 8.733 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

Tgt Ion:142 Resp: 720045
Ion Ratio Lower Upper
142 100
141 87.0 69.4 104.0





#38

1-Methylnaphthalene

Concen: 44.425 ng

RT: 8.833 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF133143.D

Acq: 29 Apr 2023 02:40

Instrument :

BNA_F

ClientSampleId :

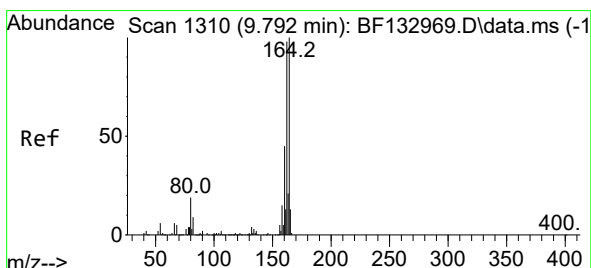
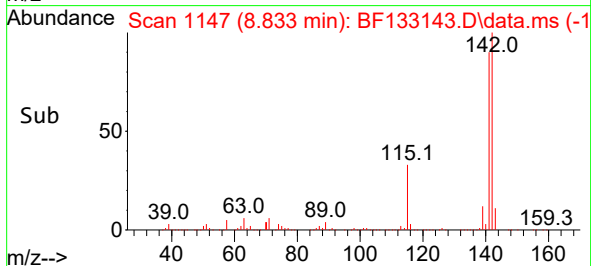
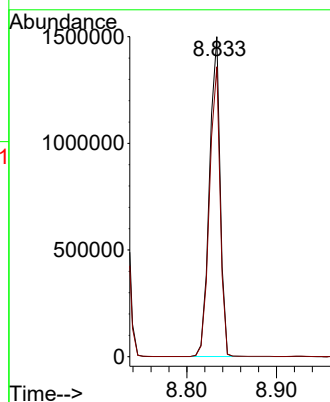
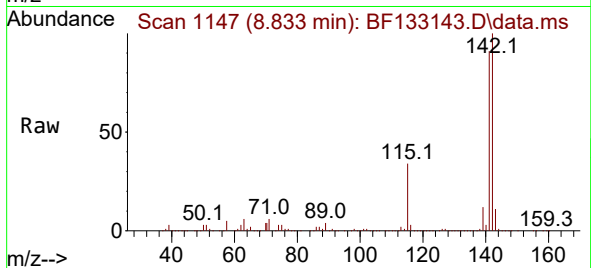
MW-12DL

Tgt Ion:142 Resp: 1242096

Ion Ratio Lower Upper

142 100

141 90.6 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF133143.D

Acq: 29 Apr 2023 02:40

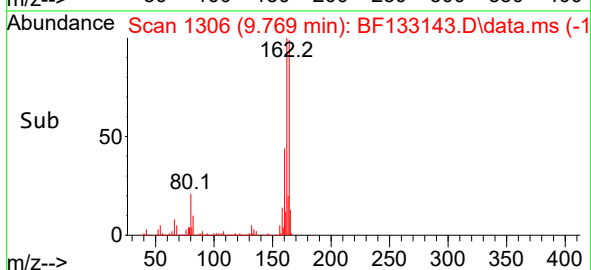
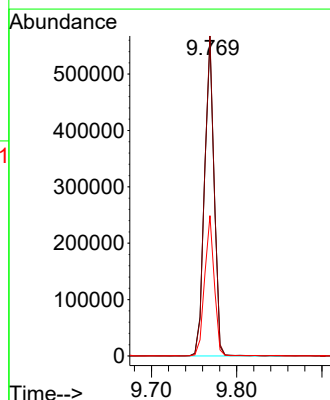
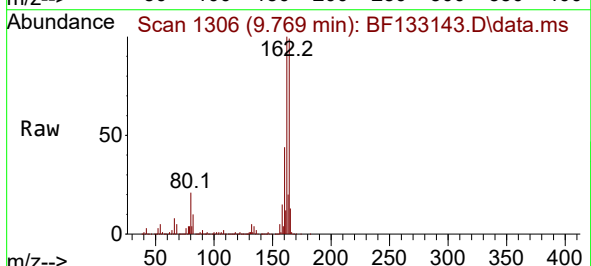
Tgt Ion:164 Resp: 442161

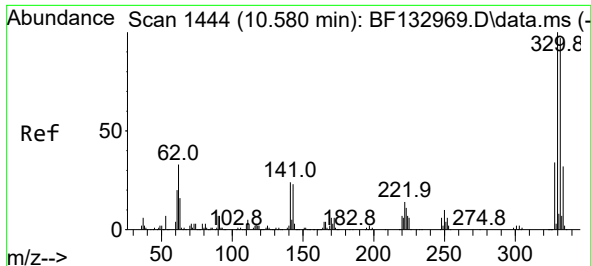
Ion Ratio Lower Upper

164 100

162 101.3 78.7 118.1

160 44.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 13.969 ng

RT: 10.551 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133143.D

Acq: 29 Apr 2023 02:40

Instrument :

BNA_F

ClientSampleId :

MW-12DL

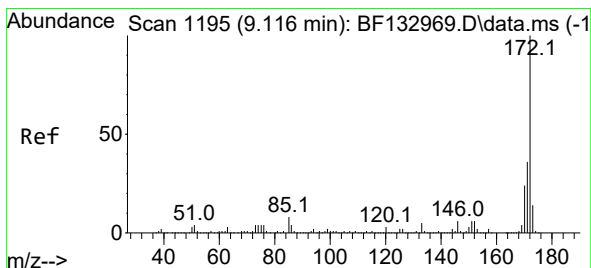
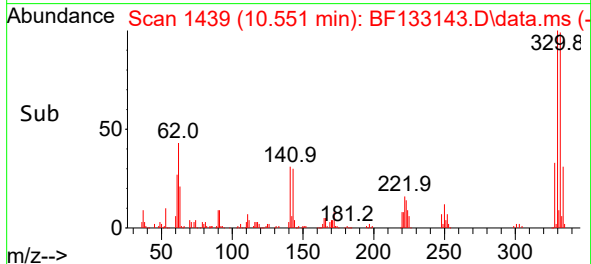
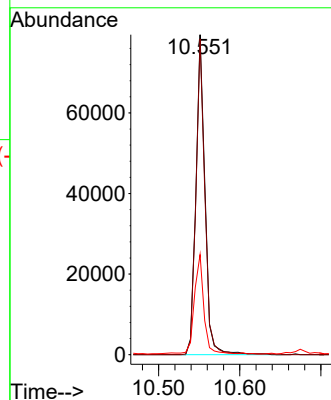
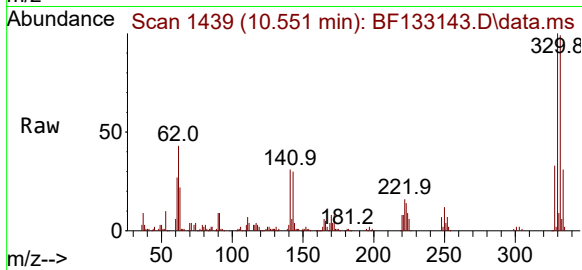
Tgt Ion:330 Resp: 62118

Ion Ratio Lower Upper

330 100

332 97.6 77.1 115.7

141 31.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 11.174 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133143.D

Acq: 29 Apr 2023 02:40

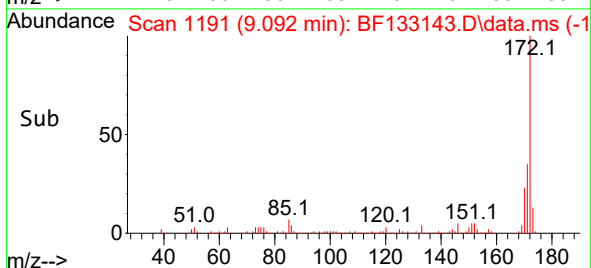
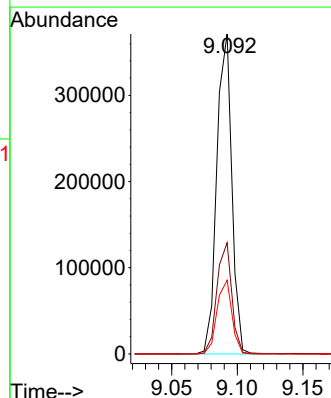
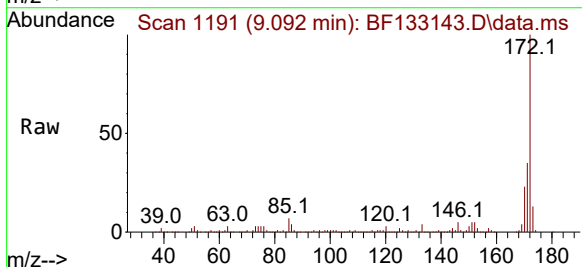
Tgt Ion:172 Resp: 295323

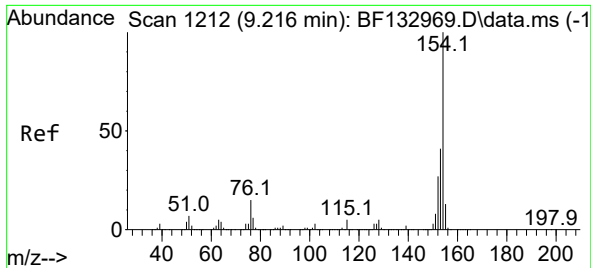
Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 23.0 19.4 29.2

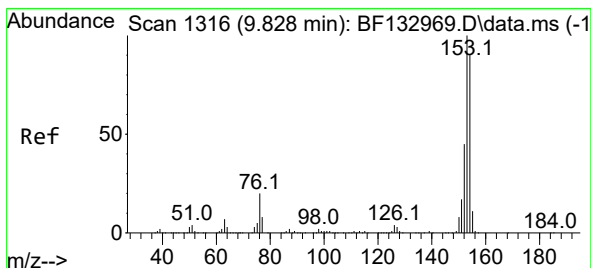
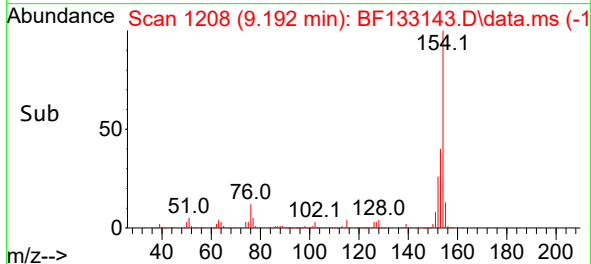
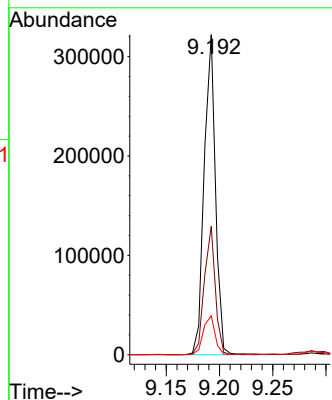
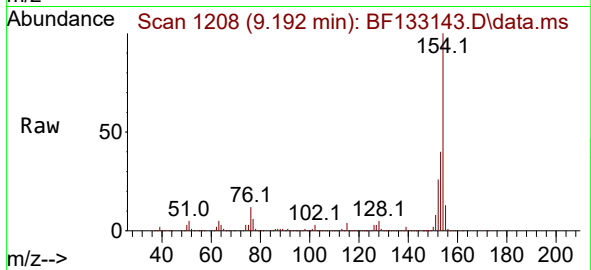




#46
1,1'-Biphenyl
Concen: 6.802 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

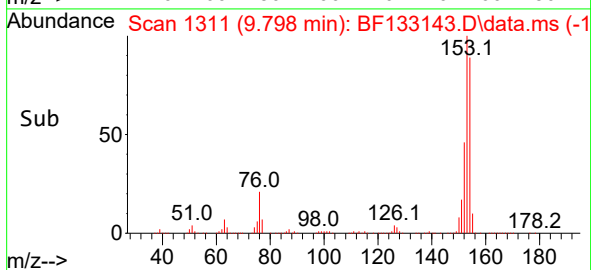
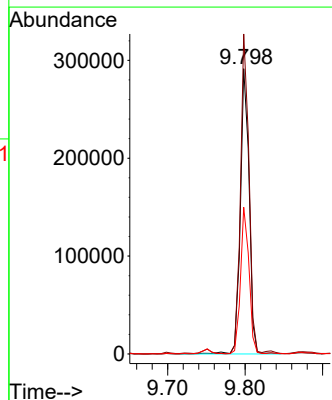
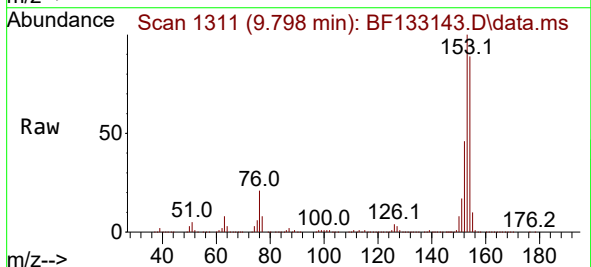
Instrument :
BNA_F
ClientSampleId :
MW-12DL

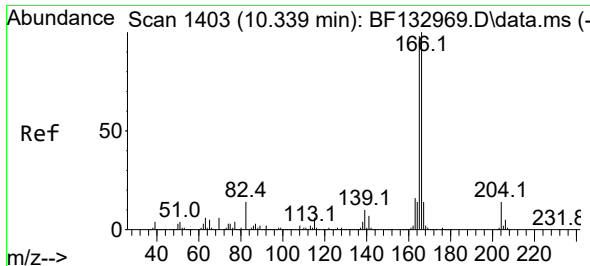
Tgt Ion:154 Resp: 238490
Ion Ratio Lower Upper
154 100
153 40.1 21.0 61.0
76 12.2 0.0 34.5



#52
Acenaphthene
Concen: 8.385 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

Tgt Ion:154 Resp: 230267
Ion Ratio Lower Upper
154 100
153 112.2 89.0 133.6
152 51.4 40.4 60.6

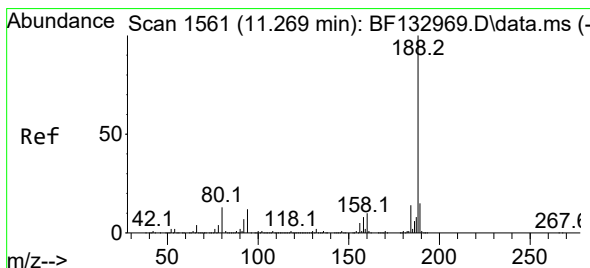
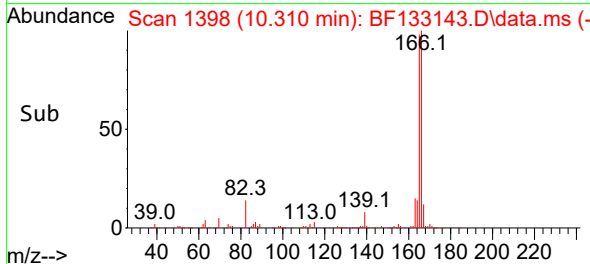
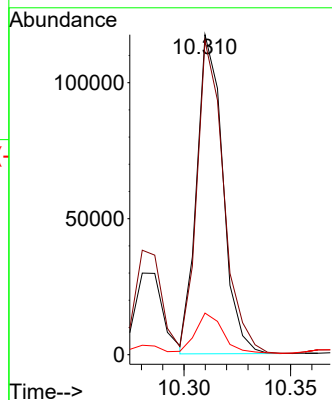
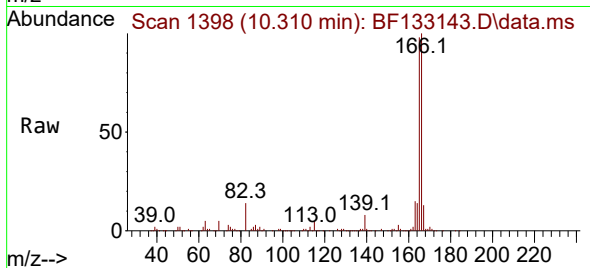




#58
Fluorene
Concen: 3.655 ng
RT: 10.310 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

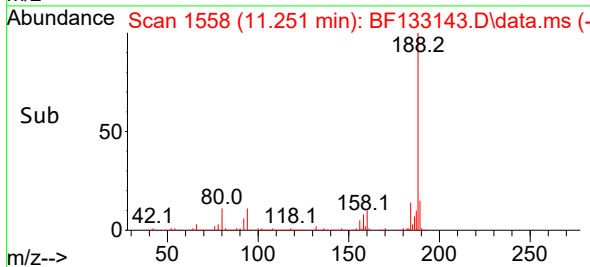
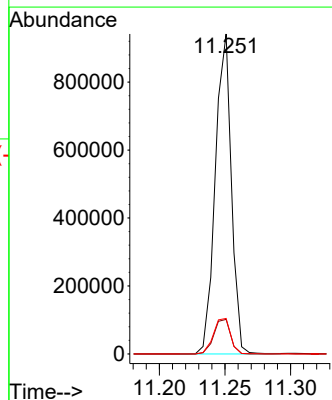
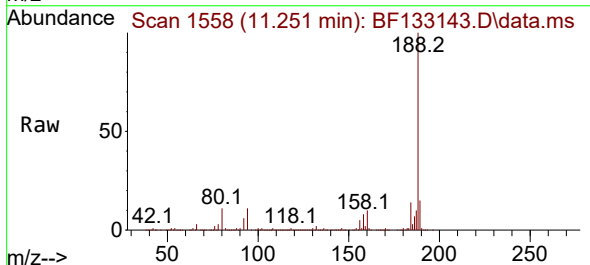
Instrument :
BNA_F
ClientSampleId :
MW-12DL

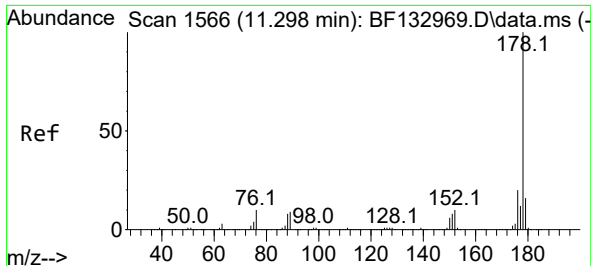
Tgt Ion:166 Resp: 100330
Ion Ratio Lower Upper
166 100
165 98.1 78.6 117.8
167 13.0 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

Tgt Ion:188 Resp: 801778
Ion Ratio Lower Upper
188 100
94 10.8 9.7 14.5
80 11.1 10.4 15.6

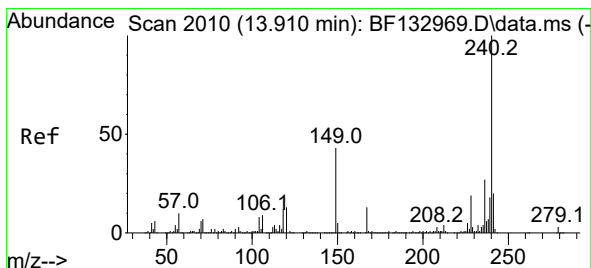
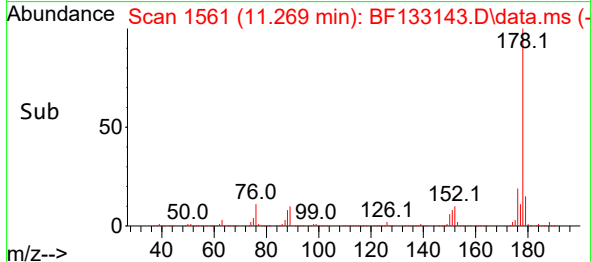
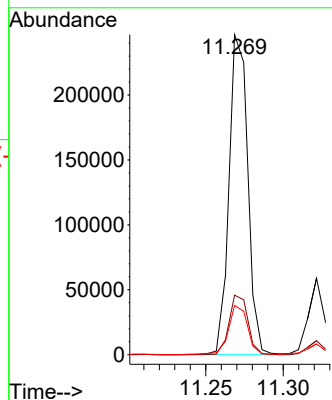
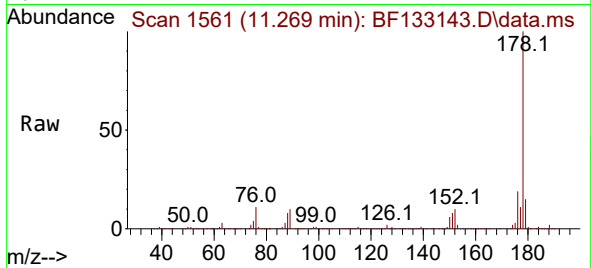




#71
Phenanthrene
Concen: 4.817 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

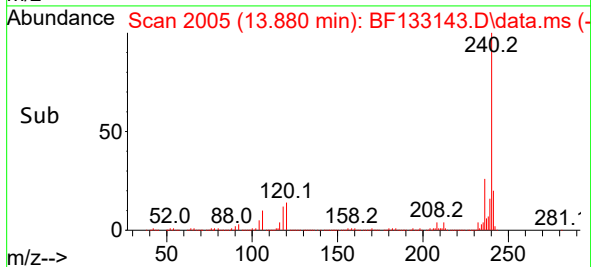
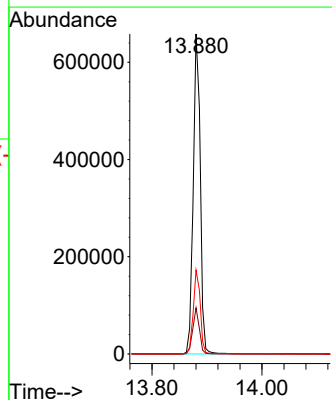
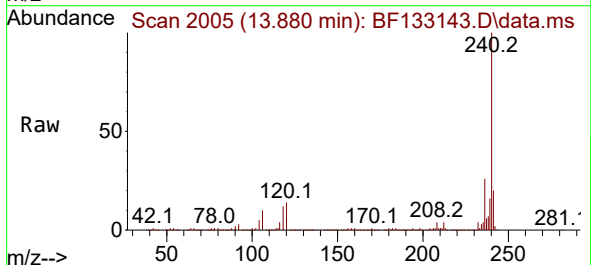
Instrument :
BNA_F
ClientSampleId :
MW-12DL

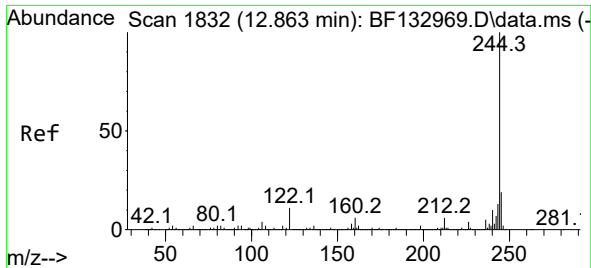
Tgt Ion:178 Resp: 207581
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 15.4 12.5 18.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

Tgt Ion:240 Resp: 580600
Ion Ratio Lower Upper
240 100
120 14.4 10.5 15.7
236 26.2 21.5 32.3

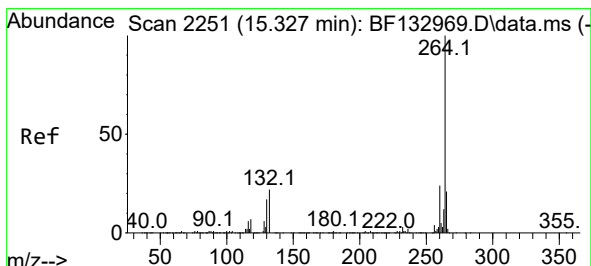
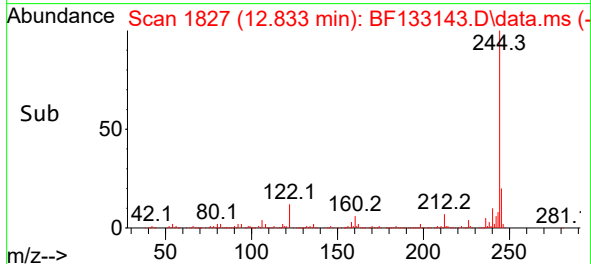
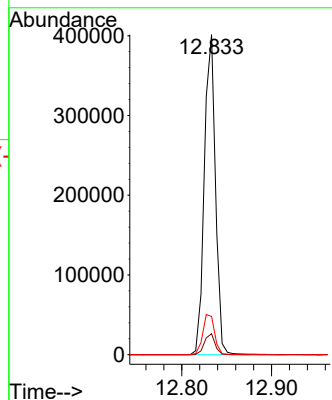
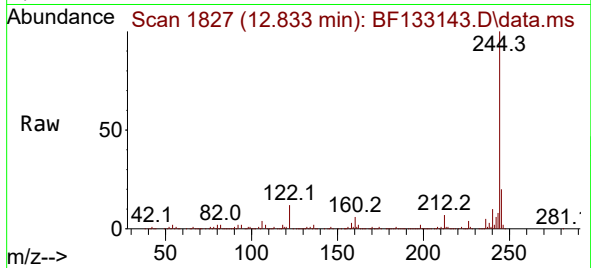




#79
 Terphenyl-d14
 Concen: 10.271 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF133143.D
 Acq: 29 Apr 2023 02:40

Instrument :
 BNA_F
 ClientSampleId :
 MW-12DL

Tgt Ion:244 Resp: 345764
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 12.0 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. -0.006 min
 Lab File: BF133143.D
 Acq: 29 Apr 2023 02:40

Tgt Ion:264 Resp: 460102
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.8 28.2
 265 21.4 17.0 25.4

