

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)

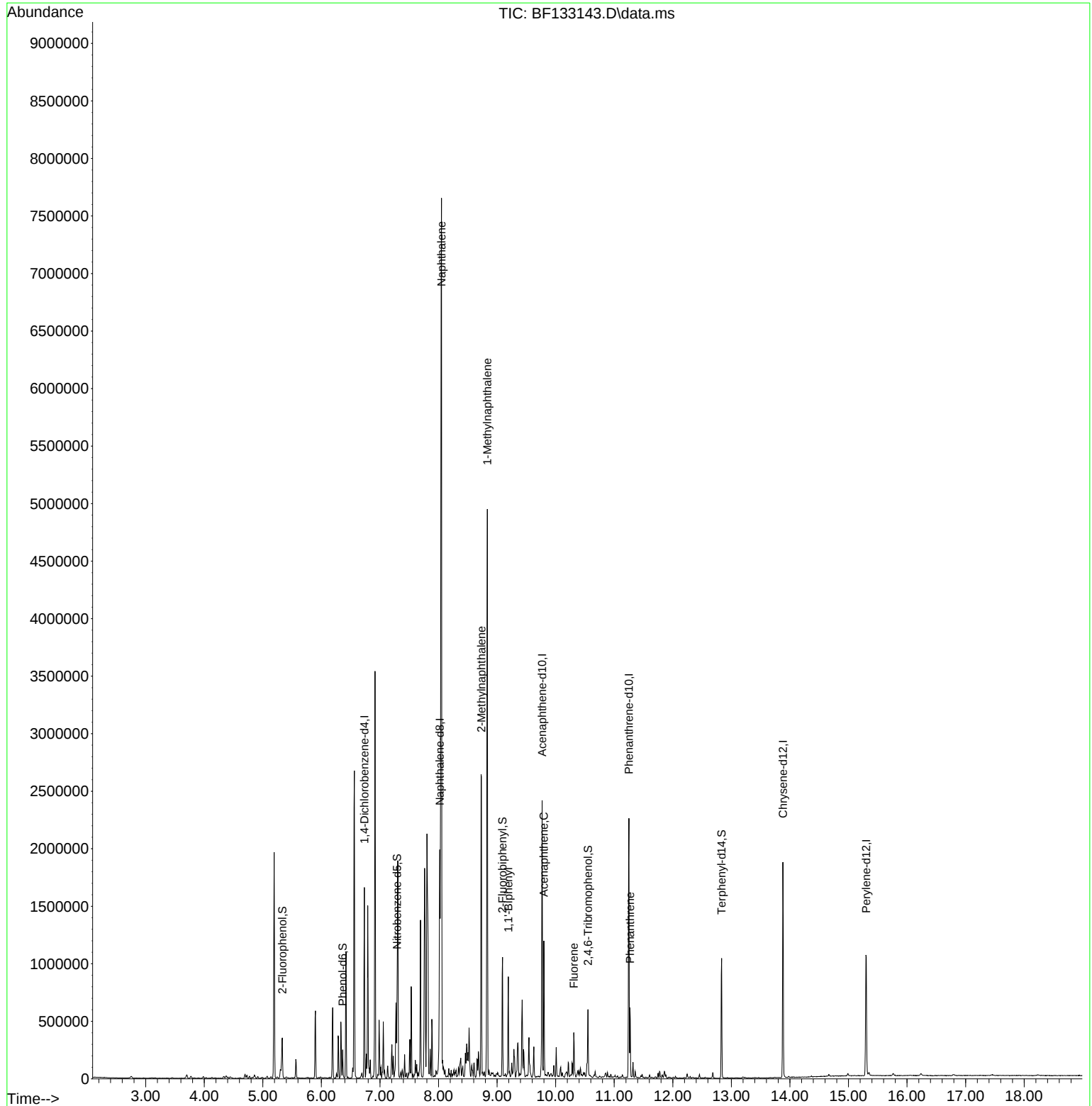
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	212031	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	874371	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	442161	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	801778	20.000	ng	0.00
76) Chrysene-d12	13.880	240	580600	20.000	ng	-0.01
86) Perylene-d12	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
31) Naphthalene	8.051	128	4052701	92.706	ng	98
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

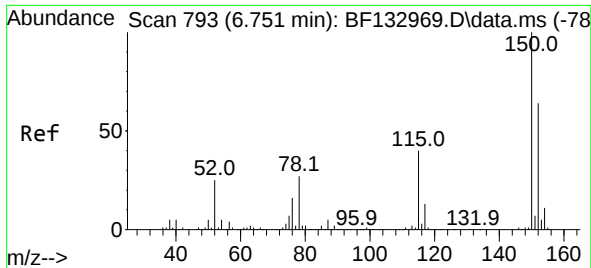
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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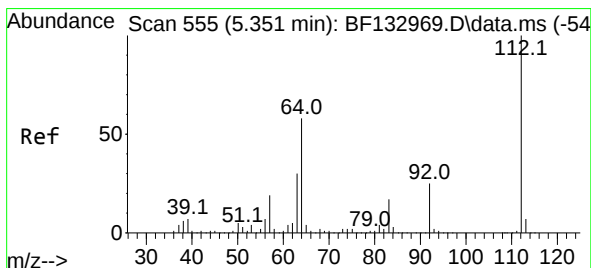
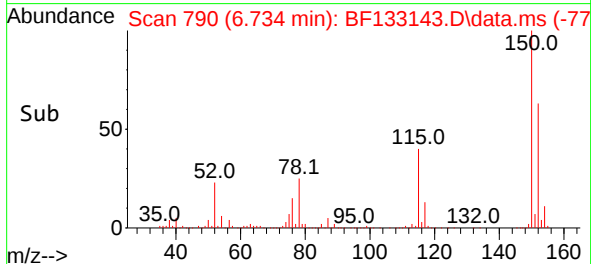
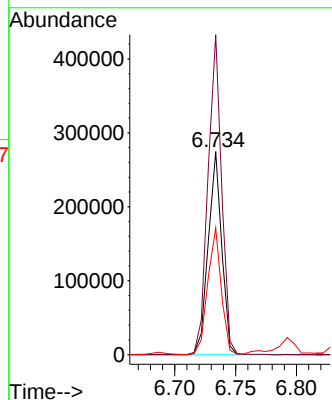
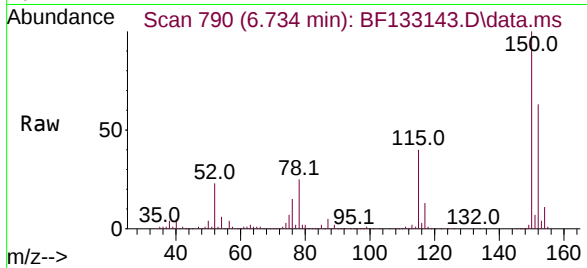




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

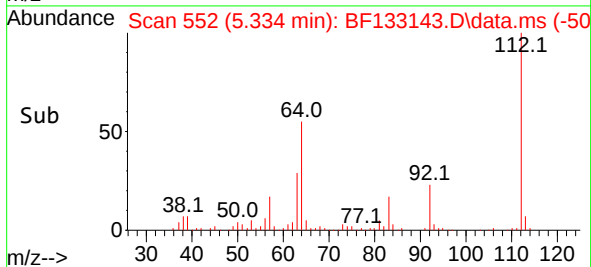
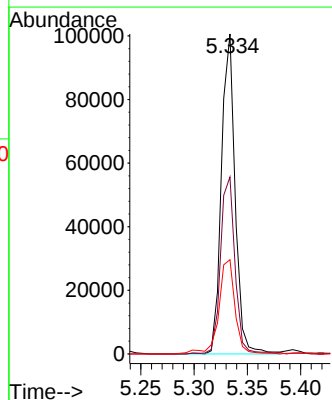
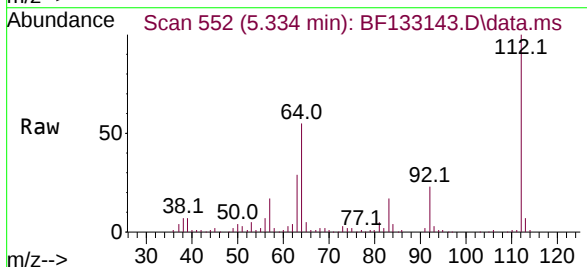
Instrument :
BNA_F
ClientSampleId :
MW-12DL

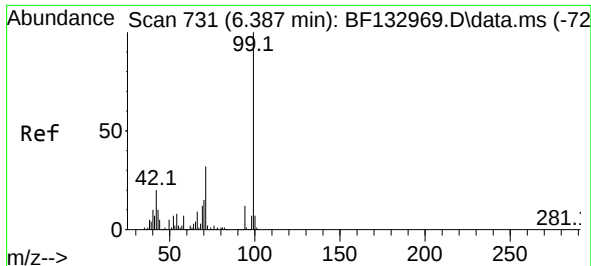
Tgt Ion:152 Resp: 212031
Ion Ratio Lower Upper
152 100
150 157.7 124.8 187.2
115 62.4 49.9 74.9



#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

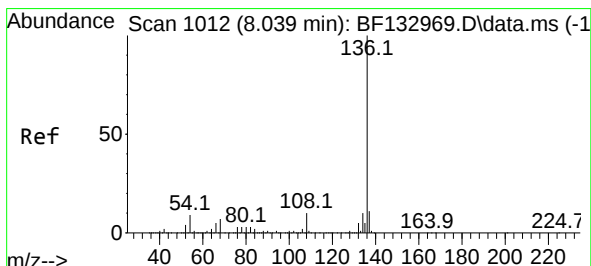
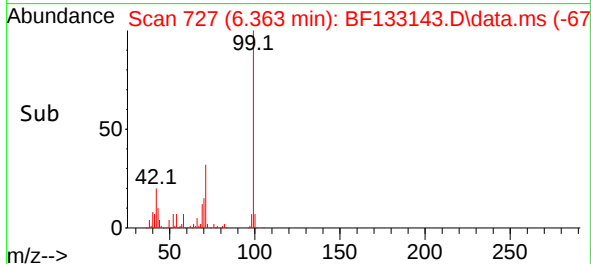
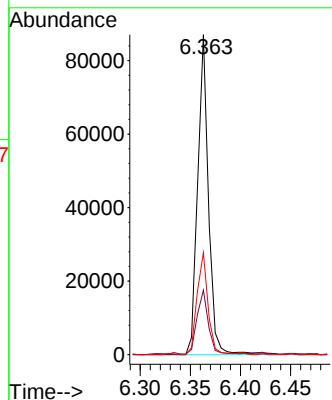
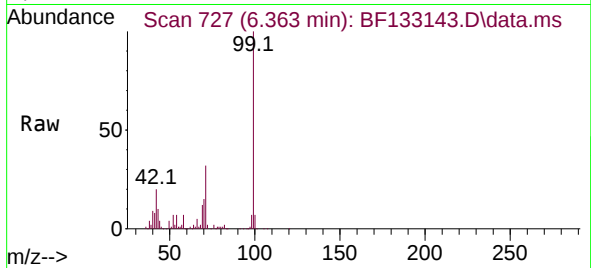




#7
Phenol-d6
Concen: 3.735 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

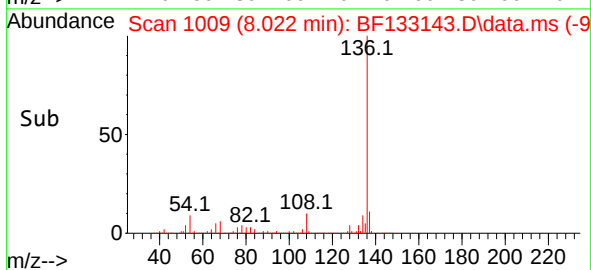
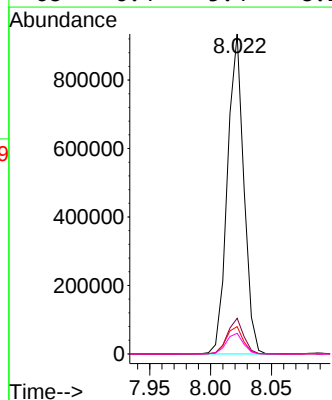
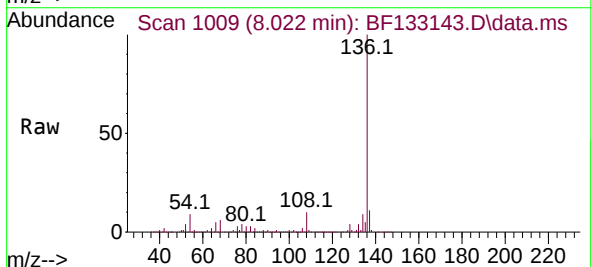
Instrument :
BNA_F
ClientSampleId :
MW-12DL

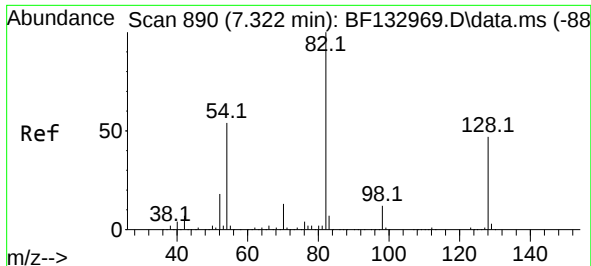
Tgt Ion: 99 Resp: 65065
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

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# 81

Delta R.T. -0.012 min

Lab File: BF133143.D

Acq: 29 Apr 2023 02:40

Instrument :

BNA_F

ClientSampleId :

MW-12DL

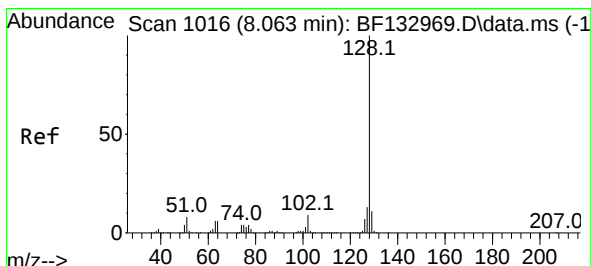
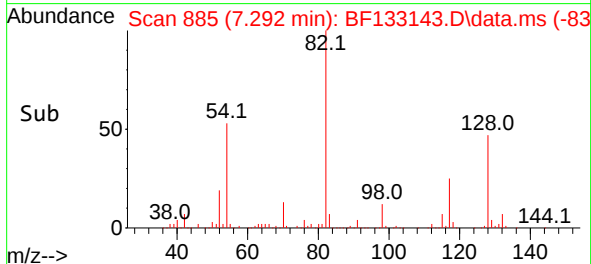
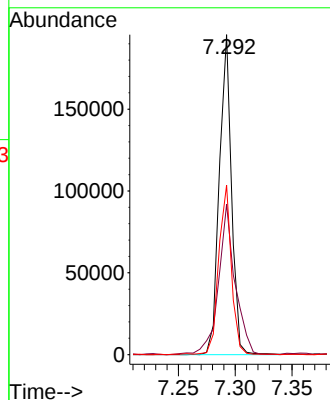
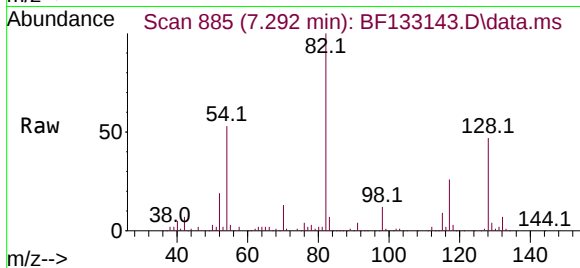
Tgt Ion: 82 Resp: 145407

Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

54 53.0 43.0 64.4



#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

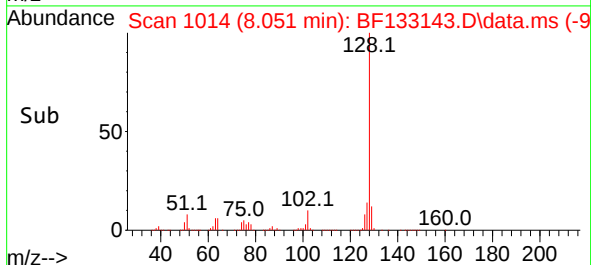
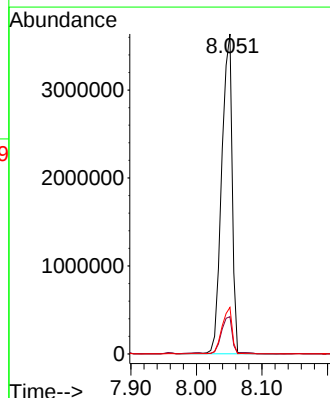
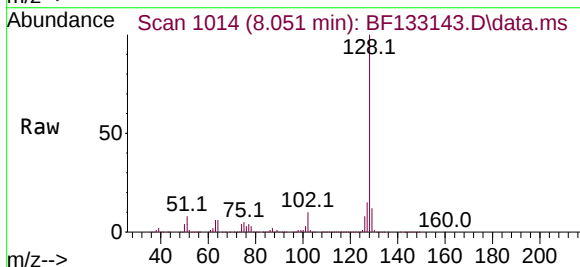
Tgt Ion: 128 Resp: 4052701

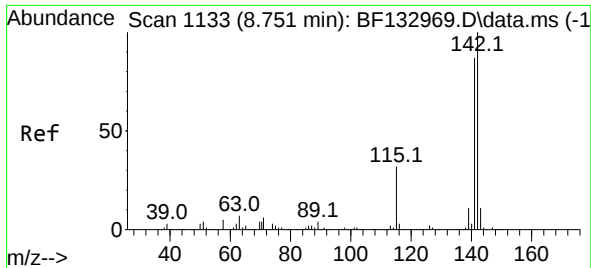
Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

127 14.5 10.7 16.1





#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

Instrument :

BNA_F

ClientSampleId :

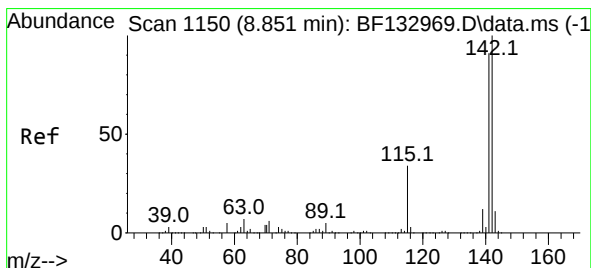
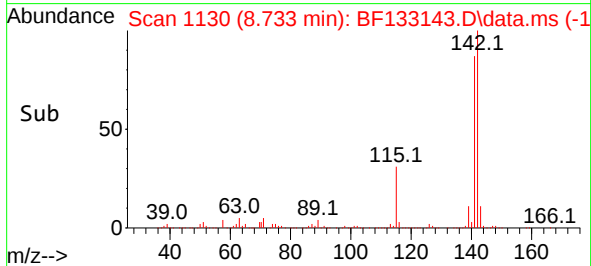
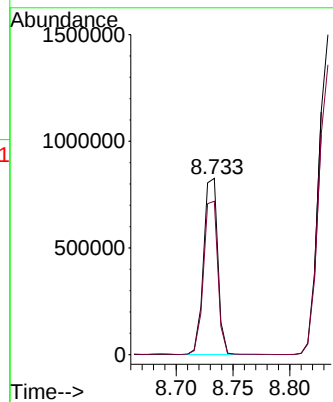
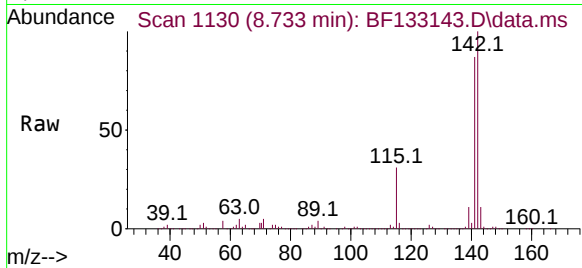
MW-12DL

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

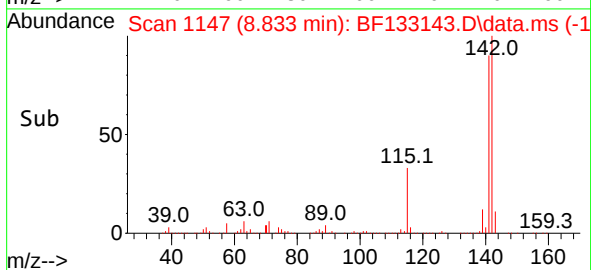
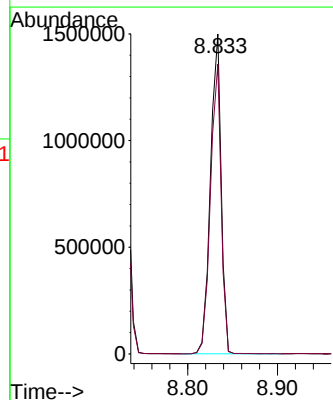
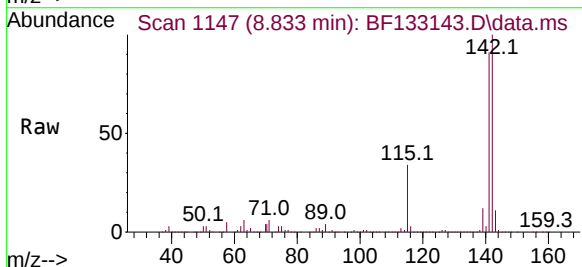
Acq: 29 Apr 2023 02:40

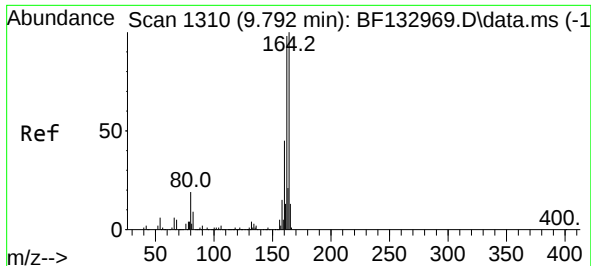
Tgt Ion:142 Resp: 1242096

Ion Ratio Lower Upper

142 100

141 90.6 73.1 109.7

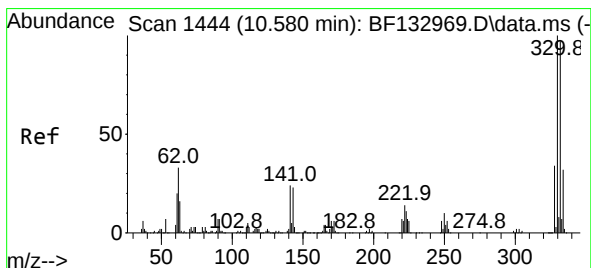
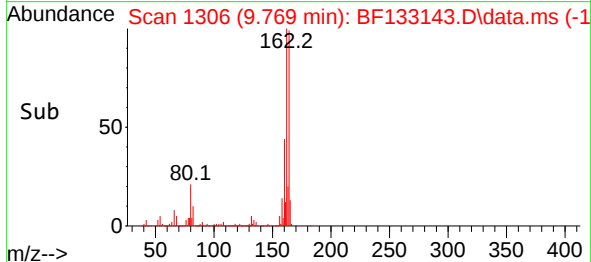
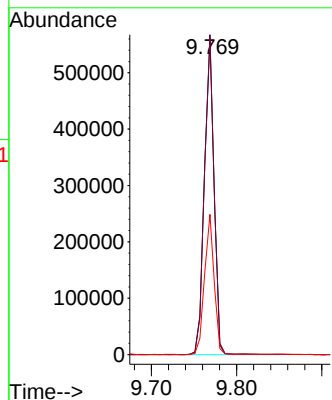
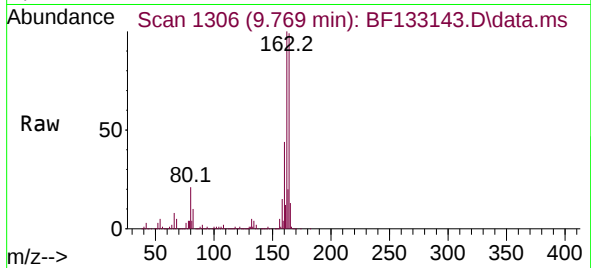




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

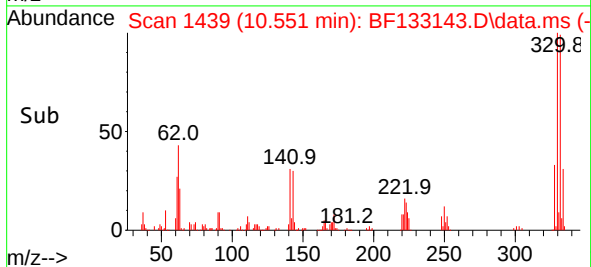
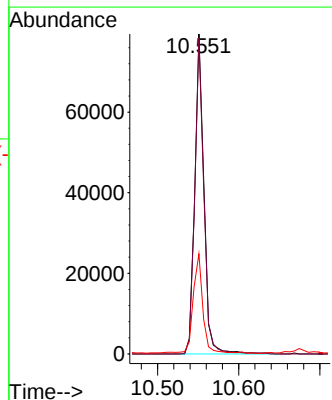
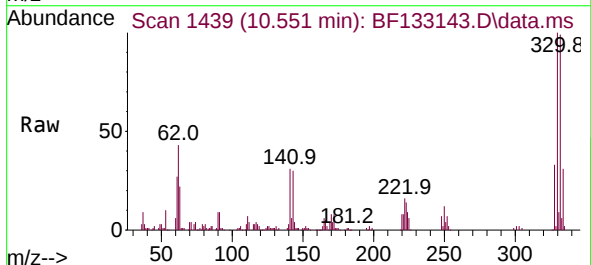
Instrument :
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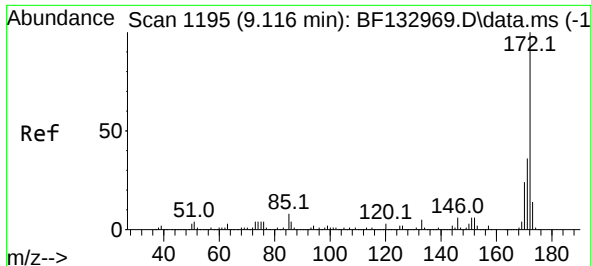
Tgt Ion:164 Resp: 442161
Ion Ratio Lower Upper
164 100
162 101.3 78.7 118.1
160 44.4 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 13.969 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

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# 11

Delta R.T. -0.006 min

Lab File: BF133143.D

Acq: 29 Apr 2023 02:40

Instrument :

BNA_F

ClientSampleId :

MW-12DL

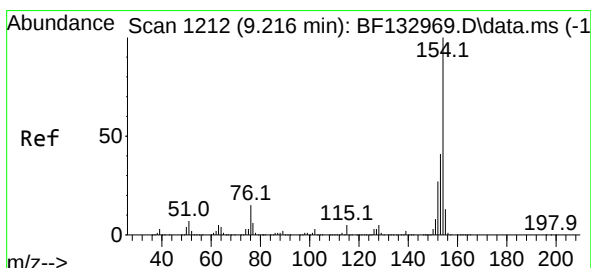
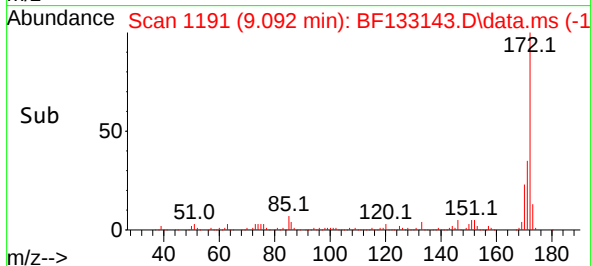
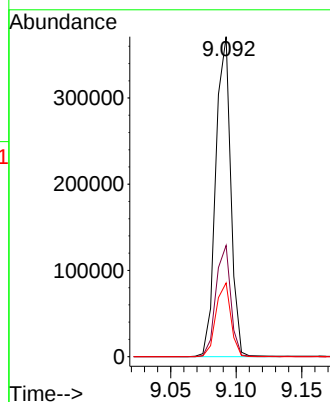
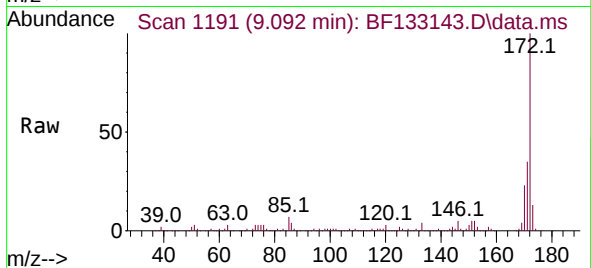
Tgt Ion:172 Resp: 295323

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# 1208

Delta R.T. -0.006 min

Lab File: BF133143.D

Acq: 29 Apr 2023 02:40

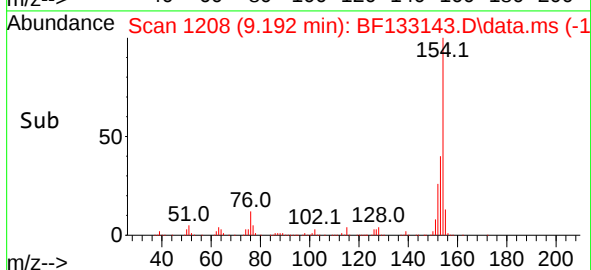
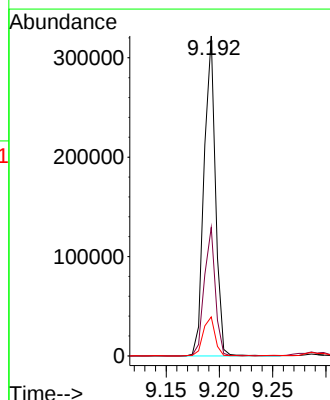
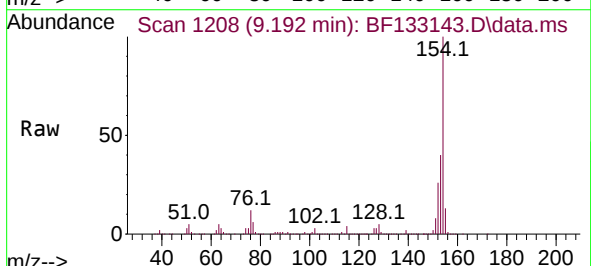
Tgt Ion:154 Resp: 238490

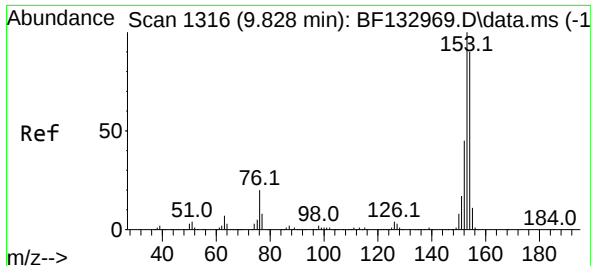
Ion Ratio Lower Upper

154 100

153 40.1 21.0 61.0

76 12.2 0.0 34.5

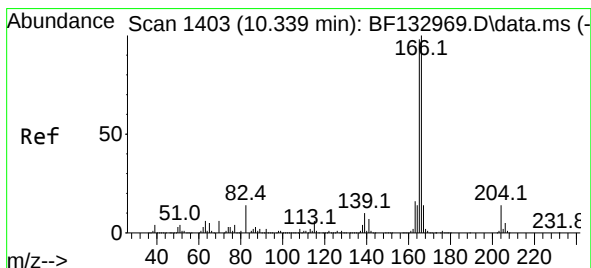
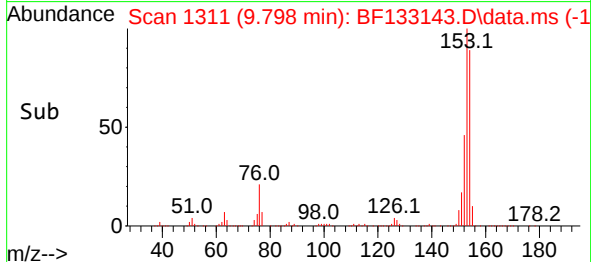
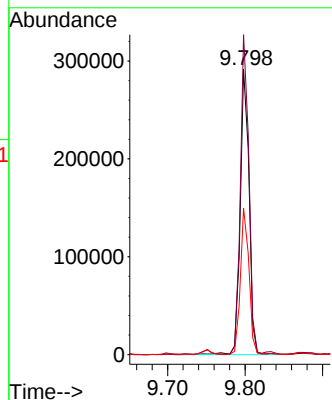
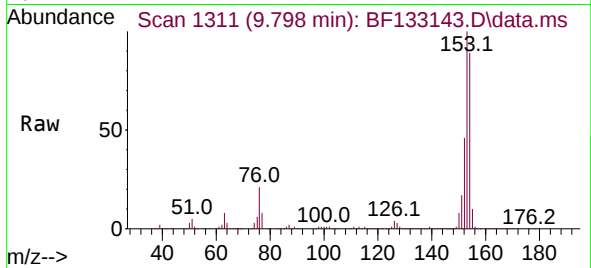




#52
Acenaphthene
Concen: 8.385 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

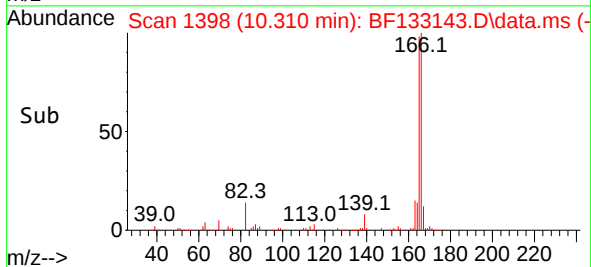
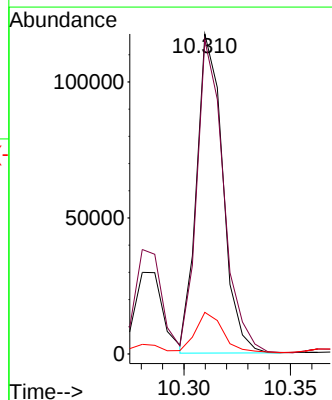
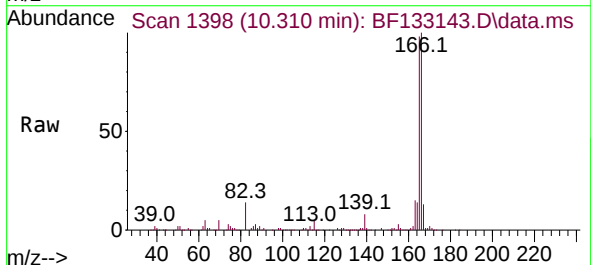
Instrument :
BNA_F
ClientSampleId :
MW-12DL

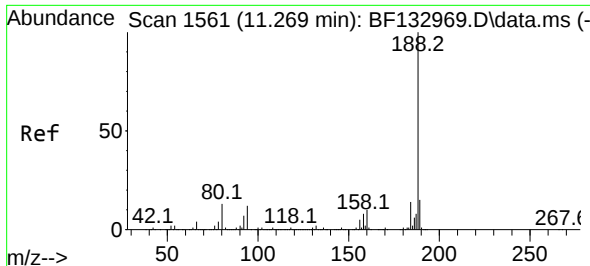
Tgt Ion:154 Resp: 230267
Ion Ratio Lower Upper
154 100
153 112.2 89.0 133.6
152 51.4 40.4 60.6



#58
Fluorene
Concen: 3.655 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

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

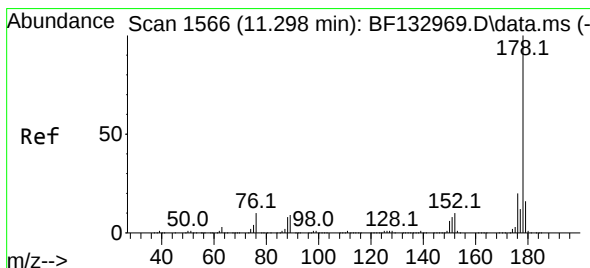
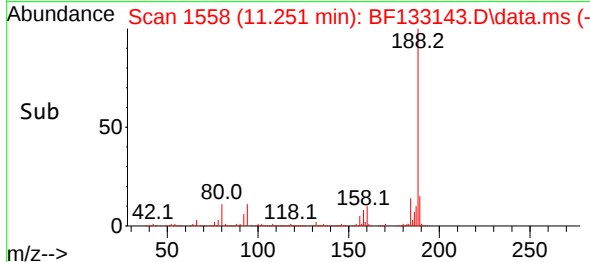
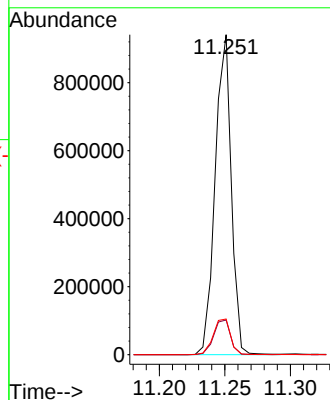
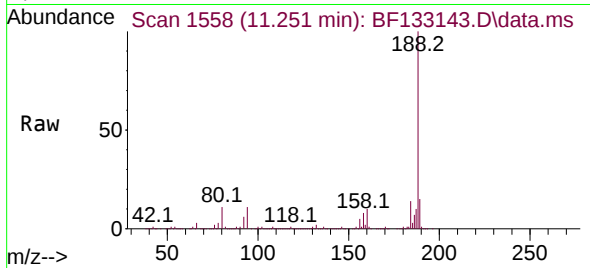




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

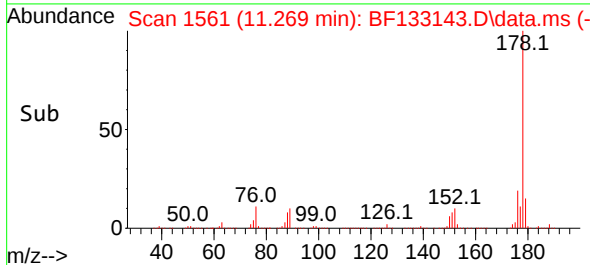
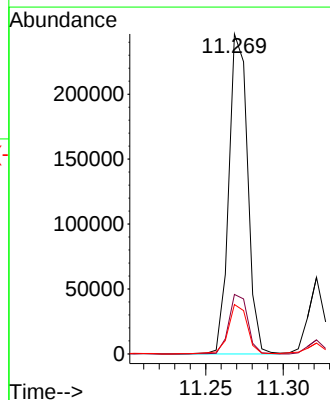
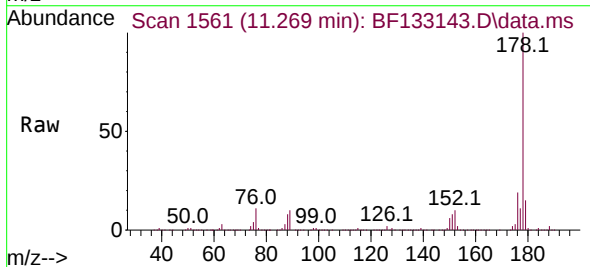
Instrument :
BNA_F
ClientSampleId :
MW-12DL

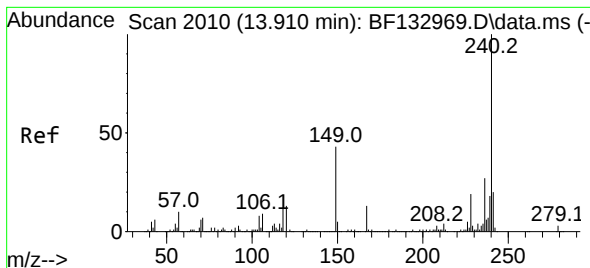
Tgt Ion:188 Resp: 801778
Ion Ratio Lower Upper
188 100
94 10.8 9.7 14.5
80 11.1 10.4 15.6



#71
Phenanthrene
Concen: 4.817 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

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

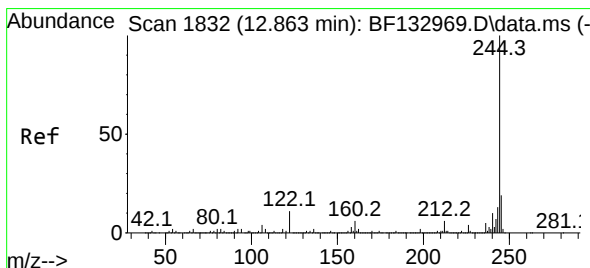
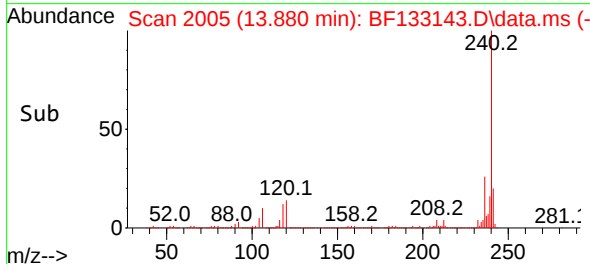
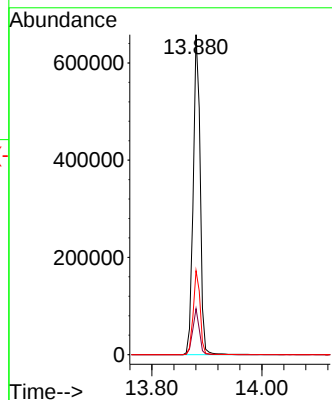
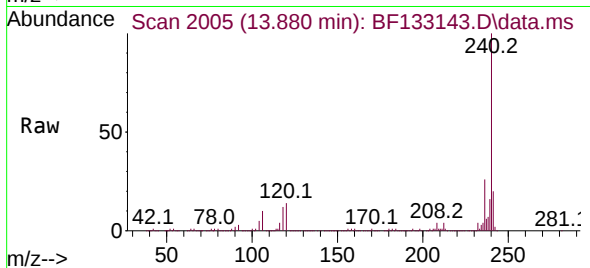




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133143.D
Acq: 29 Apr 2023 02:40

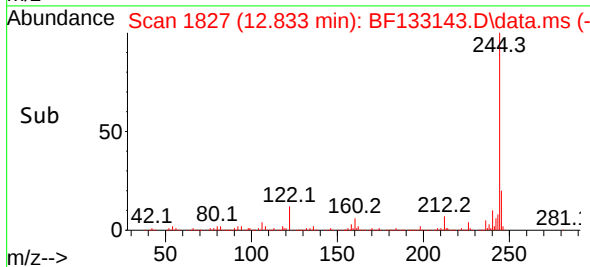
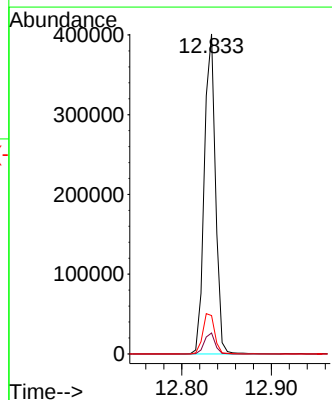
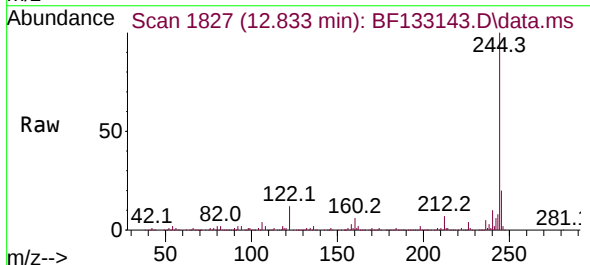
Instrument :
BNA_F
ClientSampleId :
MW-12DL

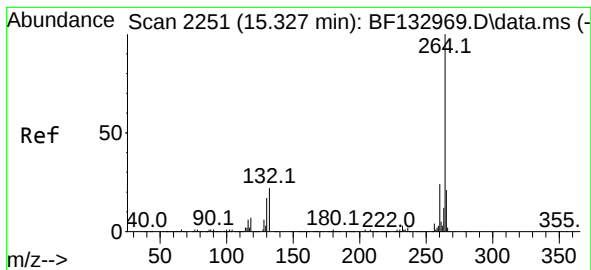
Tgt Ion:240 Resp: 580600
Ion Ratio Lower Upper
240 100
120 14.4 10.5 15.7
236 26.2 21.5 32.3



#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

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# 21

Delta R.T. -0.006 min

Lab File: BF133143.D

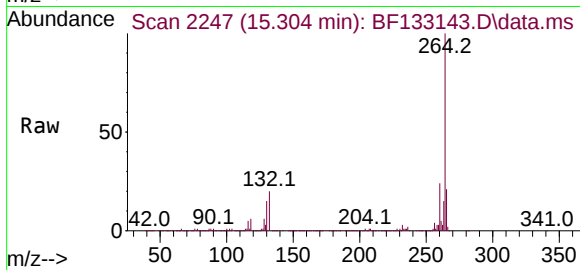
Acq: 29 Apr 2023 02:40

Instrument :

BNA_F

ClientSampleId :

MW-12DL



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

