

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133119.D
 Acq On : 28 Apr 2023 12:53
 Operator : CG\JU
 Sample : 02522-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Quant Time: Apr 28 13:16:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 12:18:20 2023
 Response via : Initial Calibration

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

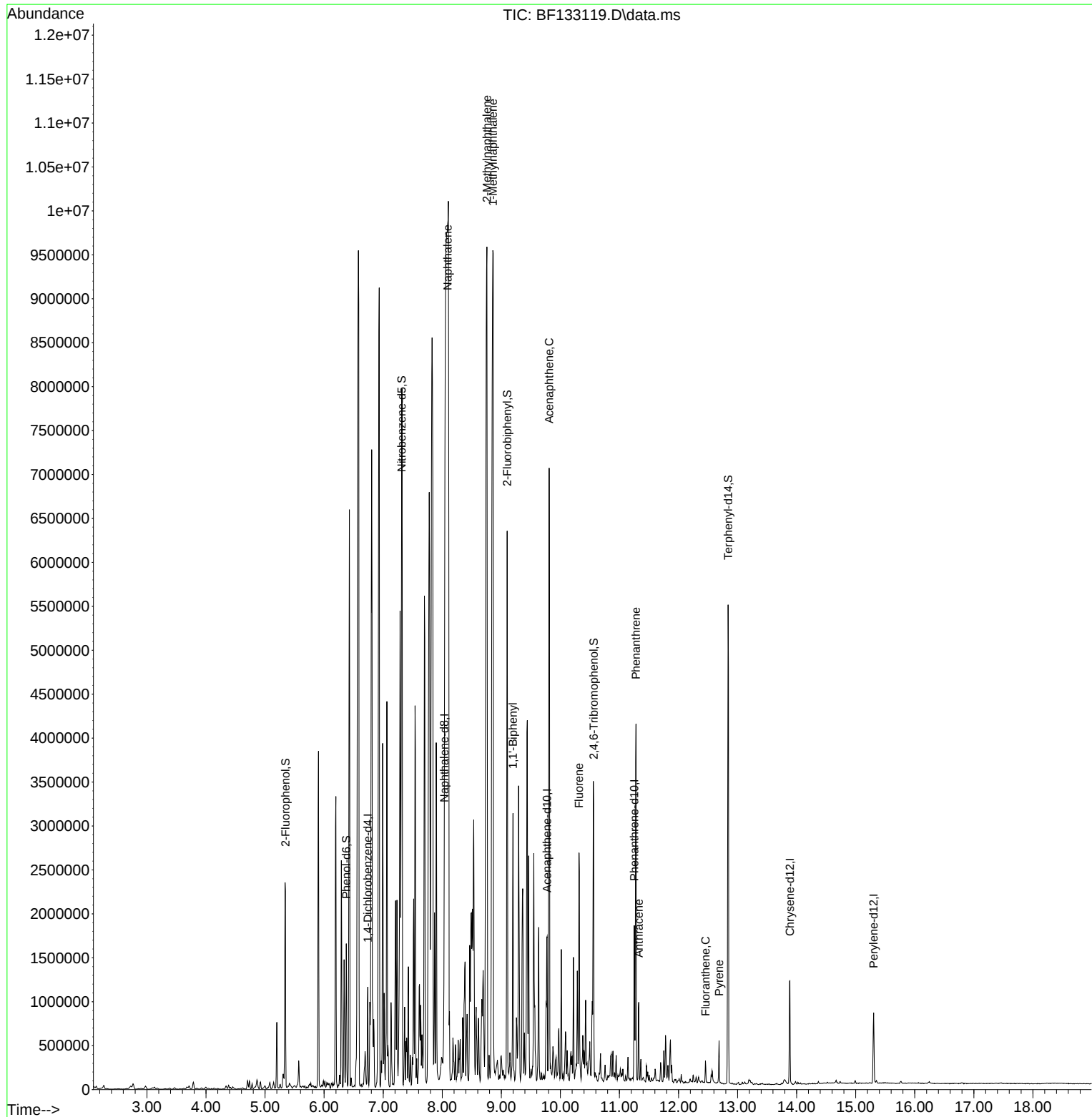
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	167477	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	399558	20.000	ng	0.01
39) Acenaphthene-d10	9.775	164	335874	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	622739	20.000	ng	0.00
76) Chrysene-d12	13.886	240	396763	20.000	ng	0.00
86) Perylene-d12	15.304	264	341054	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	698430	62.997	ng	0.00
7) Phenol-d6	6.375	99	518079	37.649	ng	0.00
23) Nitrobenzene-d5	7.310	82	898812	121.422	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	468910	138.819	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1847590	92.029	ng	0.00
79) Terphenyl-d14	12.839	244	2171839	94.406	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	18255206	913.827	ng	95
37) 2-Methylnaphthalene	8.757	142	4797234	351.252	ng	97
38) 1-Methylnaphthalene	8.857	142	4805699	376.139	ng	100
46) 1,1'-Biphenyl	9.198	154	822813	30.894	ng	98
52) Acenaphthene	9.810	154	1647263	78.962	ng	98
58) Fluorene	10.316	166	701730	33.658	ng	100
71) Phenanthrene	11.280	178	1581797	47.260	ng	99
72) Anthracene	11.328	178	331870	9.689	ng	99
75) Fluoranthene	12.457	202	90957	2.708	ng	97
78) Pyrene	12.686	202	170933	5.026	ng	99

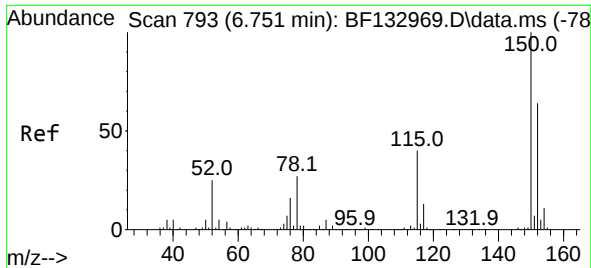
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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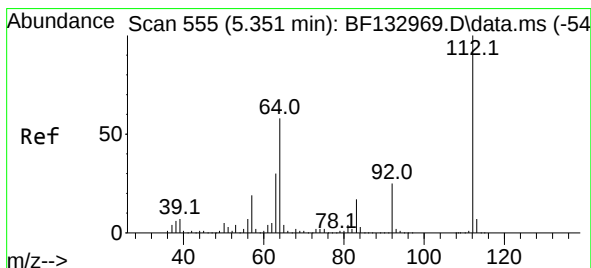
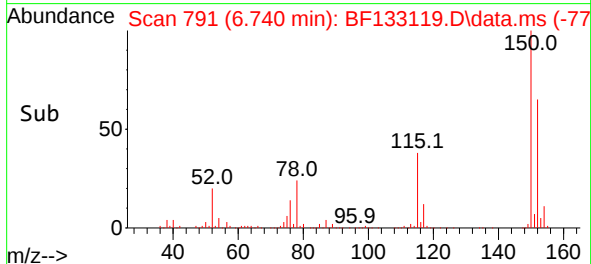
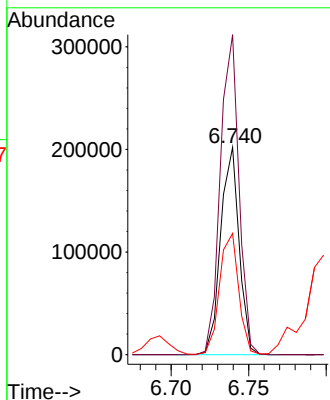
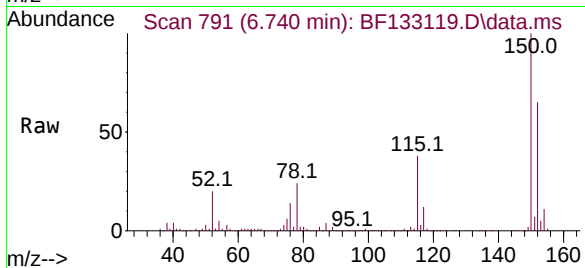




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. 0.001 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

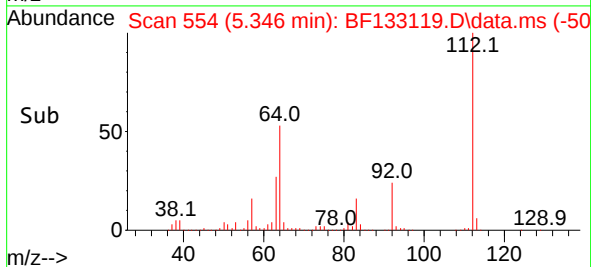
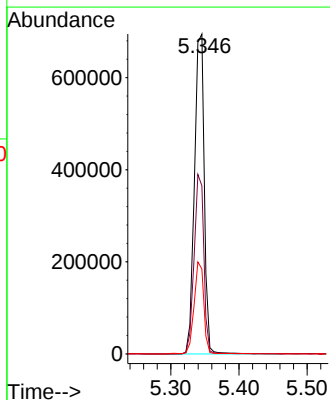
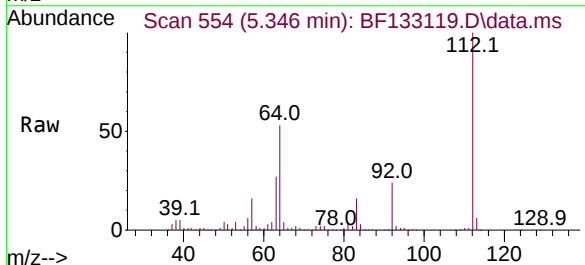
Instrument :
BNA_F
ClientSampleId :
MW-14

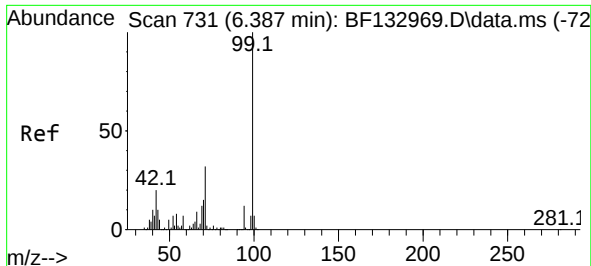
Tgt Ion:152 Resp: 167477
Ion Ratio Lower Upper
152 100
150 154.3 124.8 187.2
115 58.5 49.9 74.9



#5
2-Fluorophenol
Concen: 62.997 ng
RT: 5.346 min Scan# 554
Delta R.T. 0.000 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:112 Resp: 698430
Ion Ratio Lower Upper
112 100
64 52.5 46.8 70.2
63 26.6 23.8 35.8

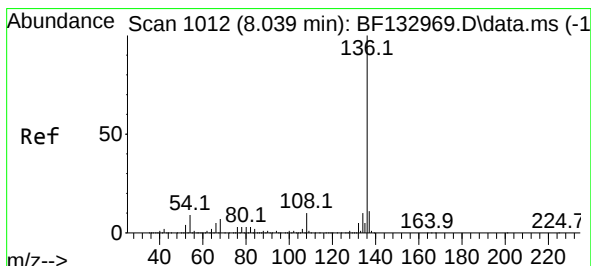
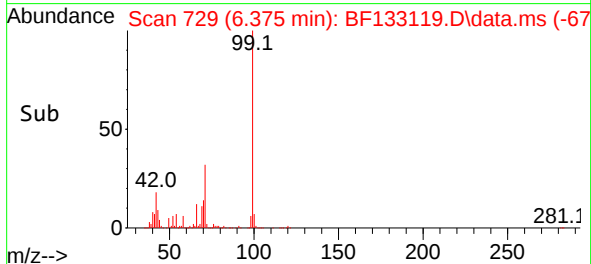
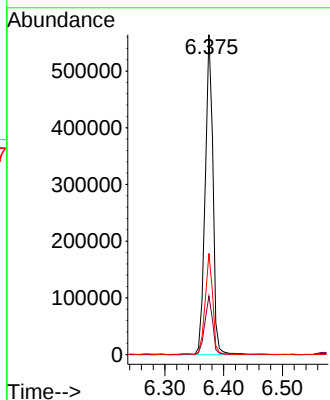
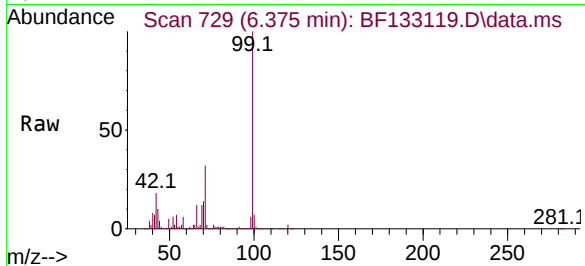




#7
Phenol-d6
Concen: 37.649 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

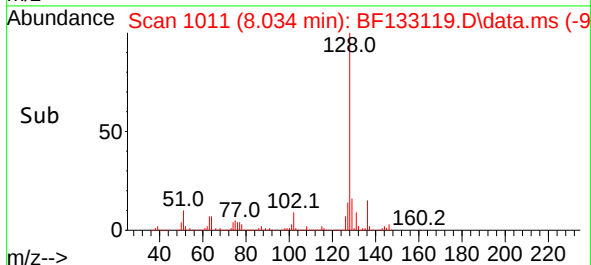
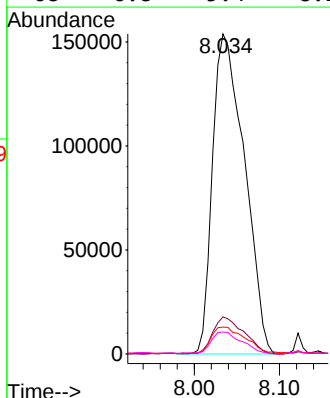
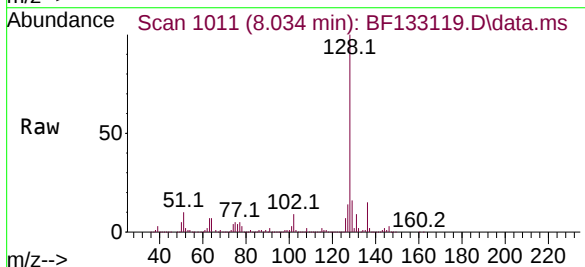
Instrument :
BNA_F
ClientSampleId :
MW-14

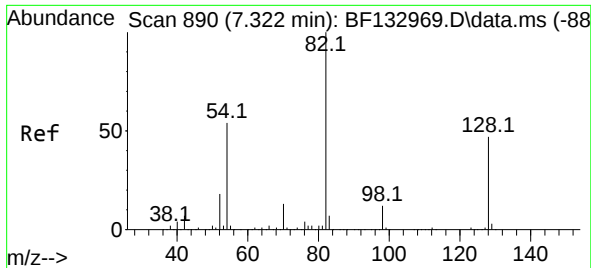
Tgt Ion: 99 Resp: 518079
Ion Ratio Lower Upper
99 100
42 18.3 16.3 24.5
71 31.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. 0.012 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion: 136 Resp: 399558
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 8.4 7.0 10.4
68 6.8 5.4 8.2





#23

Nitrobenzene-d5

Concen: 121.422 ng

RT: 7.310 min Scan# 89

Delta R.T. 0.006 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

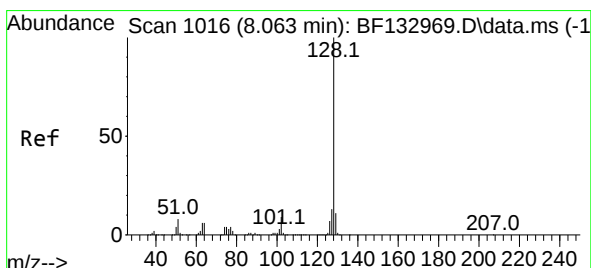
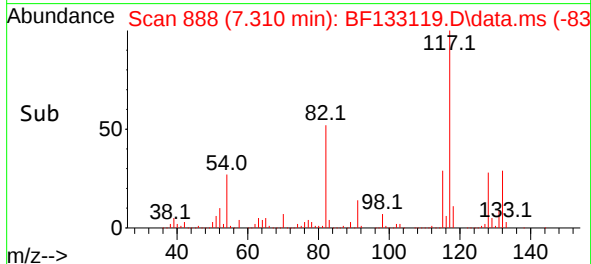
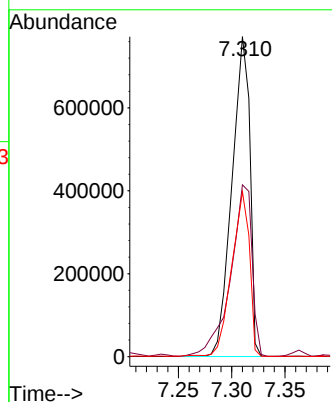
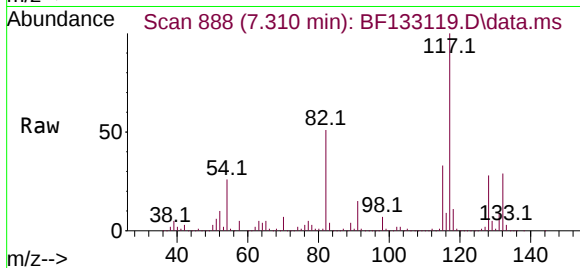
Tgt Ion: 82 Resp: 898812

Ion Ratio Lower Upper

82 100

128 53.7 37.7 56.5

54 51.5 43.0 64.4



#31

Naphthalene

Concen: 913.827 ng

RT: 8.092 min Scan# 1021

Delta R.T. 0.047 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

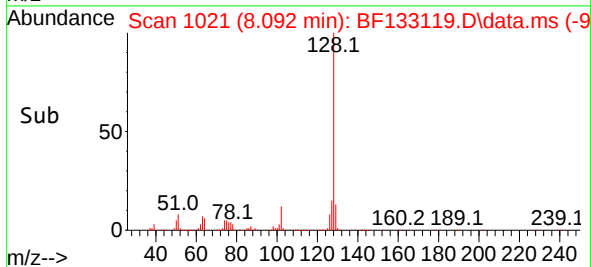
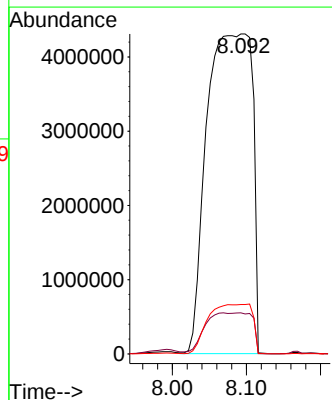
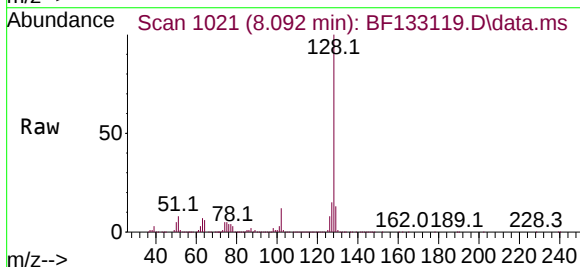
Tgt Ion: 128 Resp: 18255206

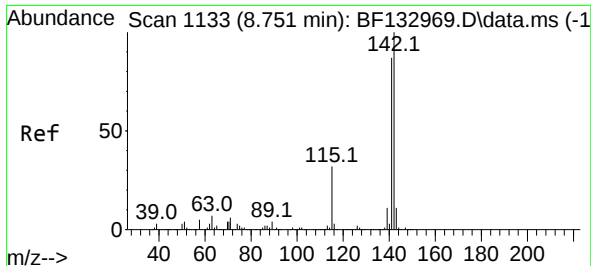
Ion Ratio Lower Upper

128 100

129 12.8 8.8 13.2

127 15.4 10.7 16.1





#37

2-Methylnaphthalene

Concen: 351.252 ng

RT: 8.757 min Scan# 1113

Delta R.T. 0.024 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

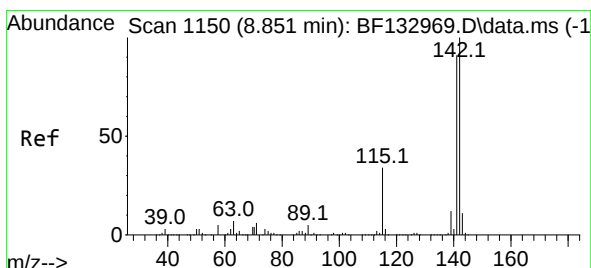
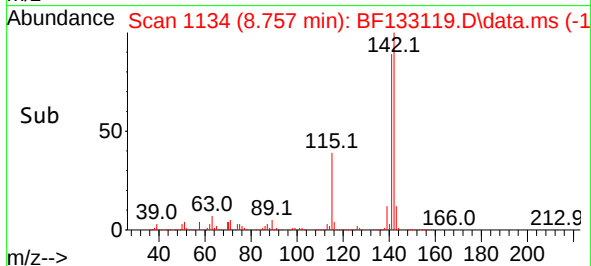
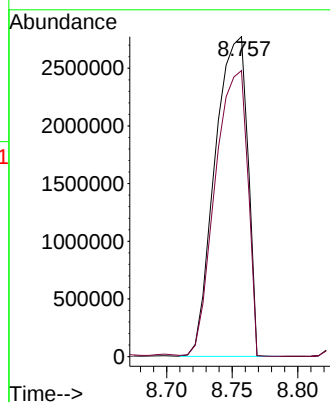
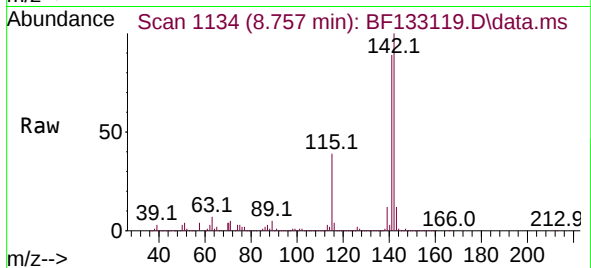
MW-14

Tgt Ion:142 Resp: 4797234

Ion Ratio Lower Upper

142 100

141 89.4 69.4 104.0



#38

1-Methylnaphthalene

Concen: 376.139 ng

RT: 8.857 min Scan# 1151

Delta R.T. 0.024 min

Lab File: BF133119.D

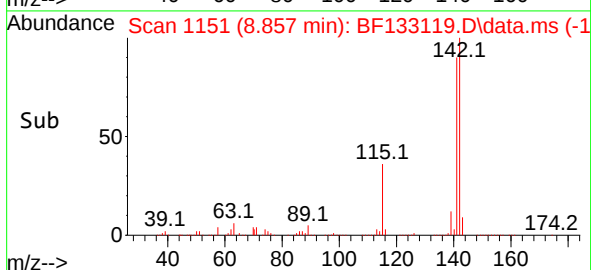
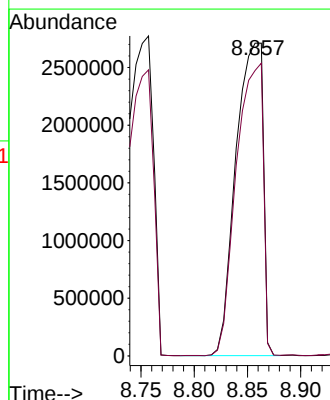
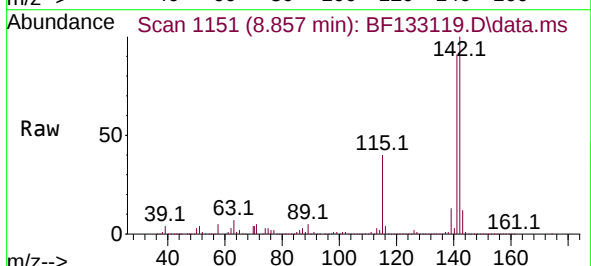
Acq: 28 Apr 2023 12:53

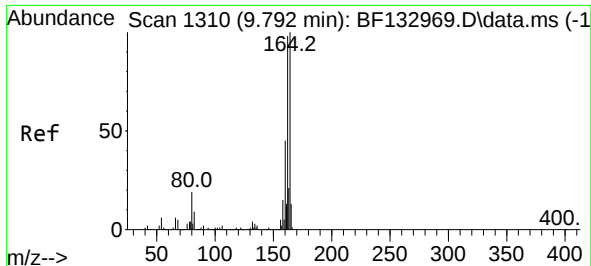
Tgt Ion:142 Resp: 4805699

Ion Ratio Lower Upper

142 100

141 91.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.000 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

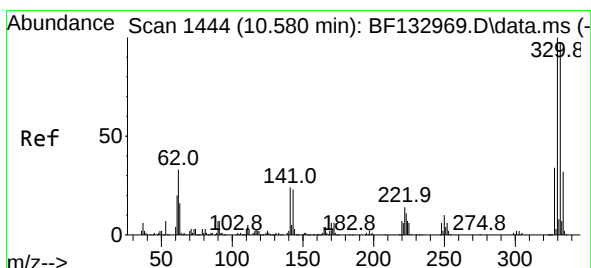
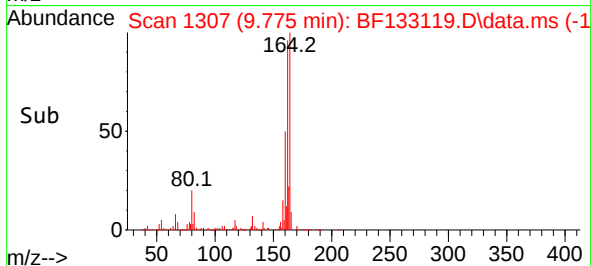
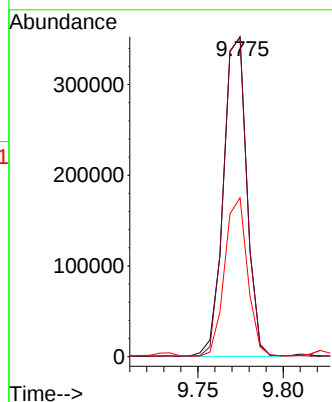
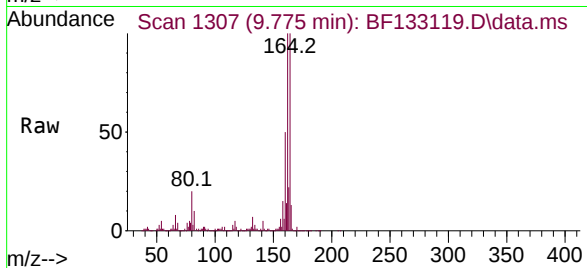
Tgt Ion:164 Resp: 335874

Ion Ratio Lower Upper

164 100

162 99.7 78.7 118.1

160 49.6 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 138.819 ng

RT: 10.563 min Scan# 1441

Delta R.T. 0.000 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

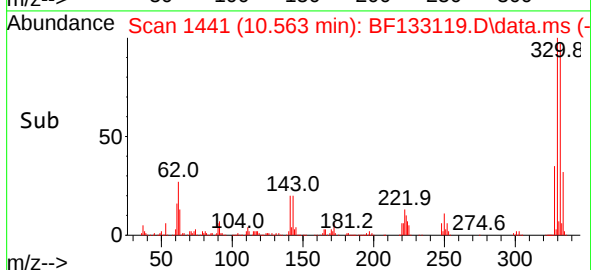
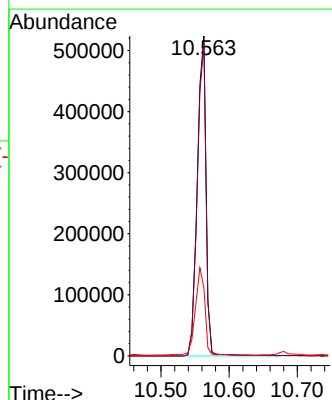
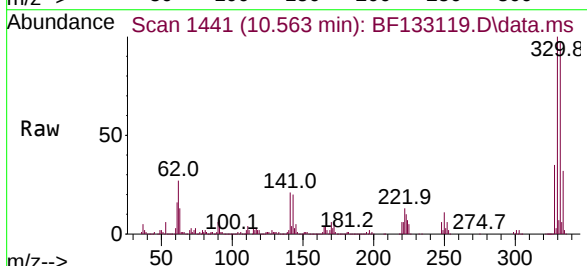
Tgt Ion:330 Resp: 468910

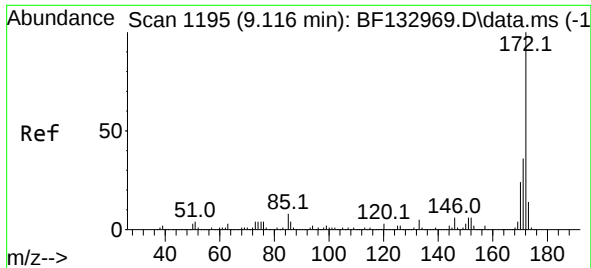
Ion Ratio Lower Upper

330 100

332 97.7 77.1 115.7

141 29.2 25.8 38.8

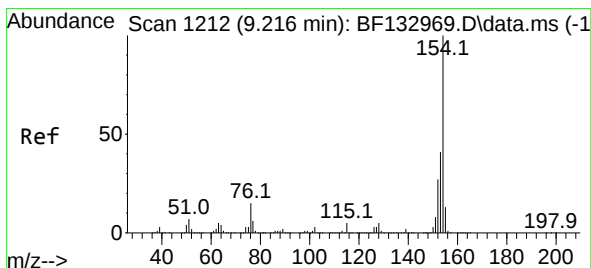
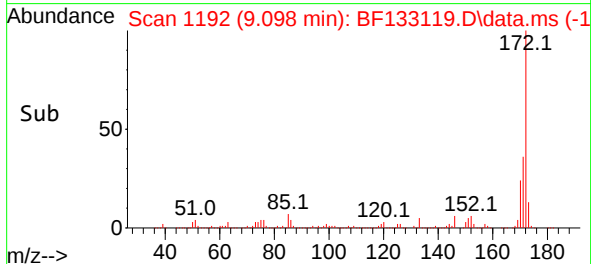
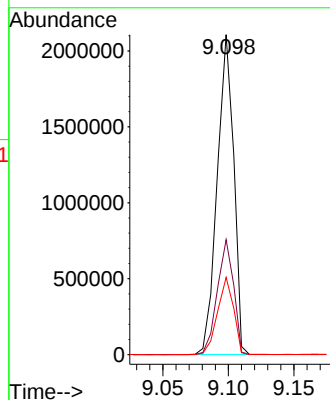
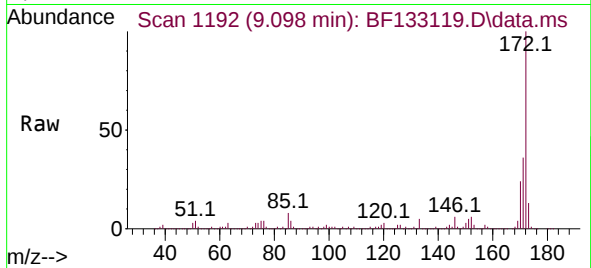




#45
2-Fluorobiphenyl
Concen: 92.029 ng
RT: 9.098 min Scan# 1195
Delta R.T. 0.000 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

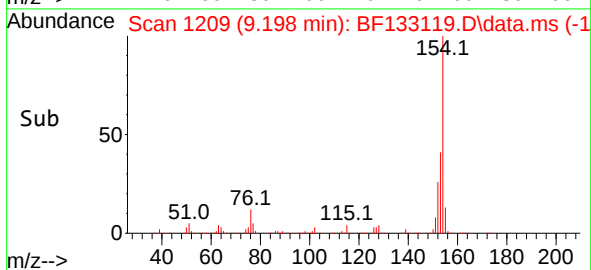
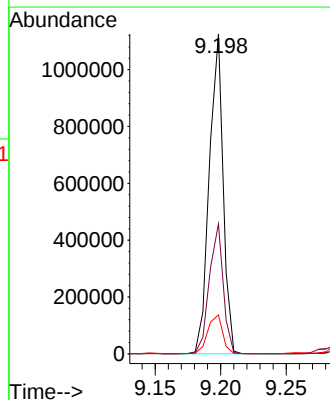
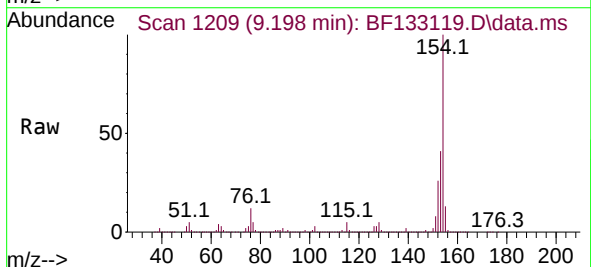
Instrument :
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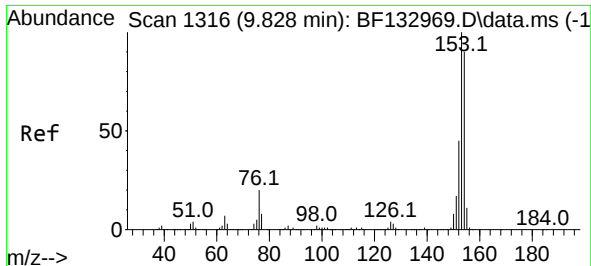
Tgt Ion:172 Resp: 1847590
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.1 19.4 29.2



#46
1,1'-Biphenyl
Concen: 30.894 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:154 Resp: 822813
Ion Ratio Lower Upper
154 100
153 40.6 21.0 61.0
76 12.2 0.0 34.5

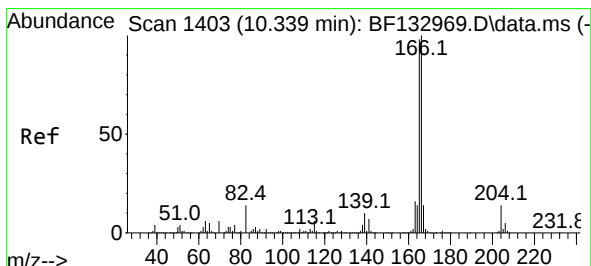
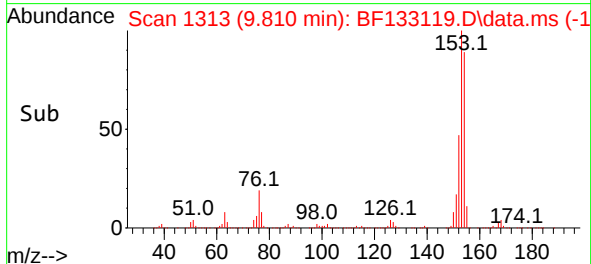
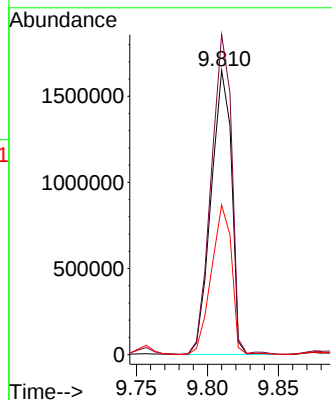
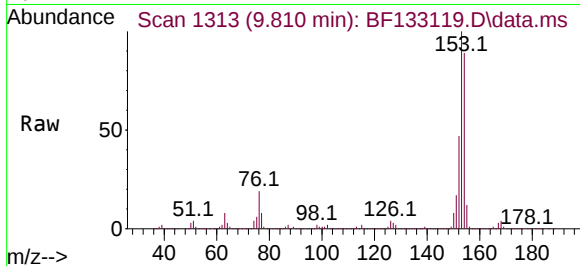




#52
Acenaphthene
Concen: 78.962 ng
RT: 9.810 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

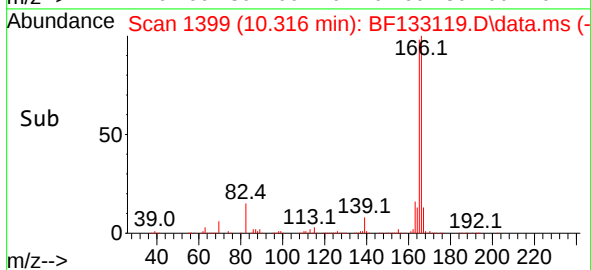
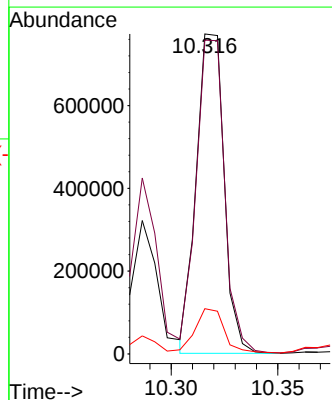
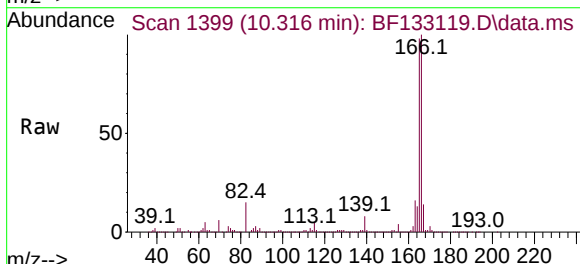
Instrument :
BNA_F
ClientSampleId :
MW-14

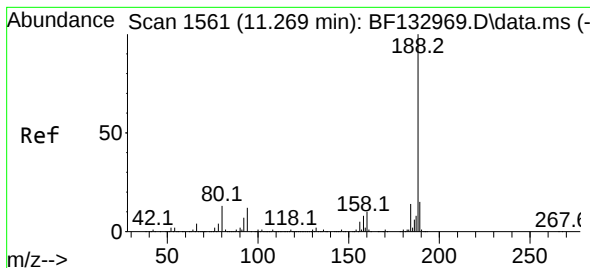
Tgt Ion:154 Resp: 1647263
Ion Ratio Lower Upper
154 100
153 112.6 89.0 133.6
152 52.6 40.4 60.6



#58
Fluorene
Concen: 33.658 ng
RT: 10.316 min Scan# 1399
Delta R.T. -0.006 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:166 Resp: 701730
Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 14.1 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

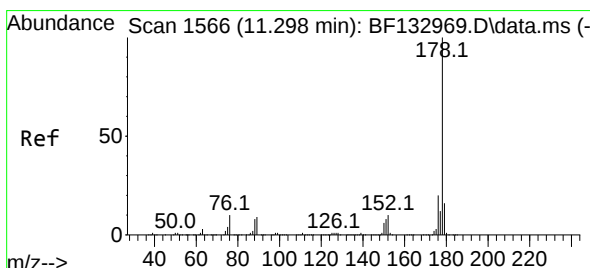
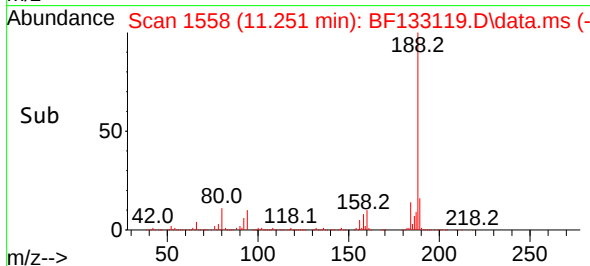
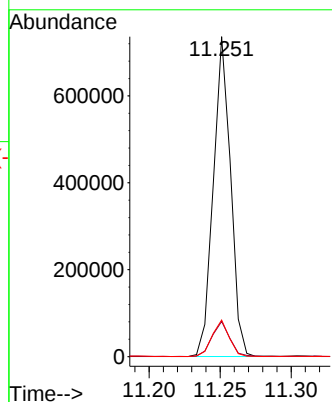
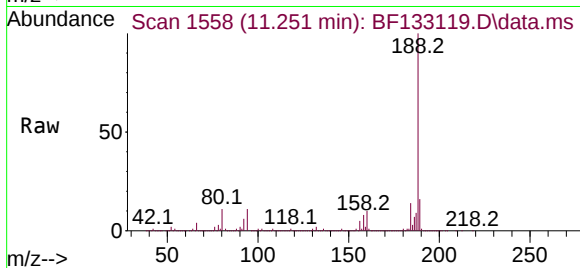
Tgt Ion:188 Resp: 622739

Ion Ratio Lower Upper

188 100

94 11.0 9.7 14.5

80 11.4 10.4 15.6



#71

Phenanthrene

Concen: 47.260 ng

RT: 11.280 min Scan# 1563

Delta R.T. 0.000 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

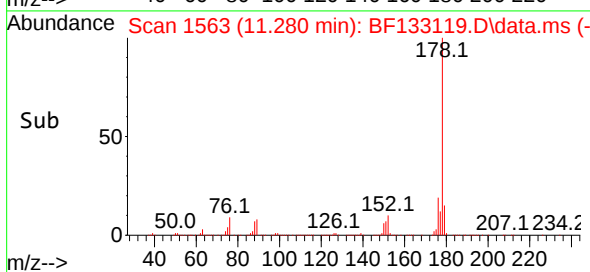
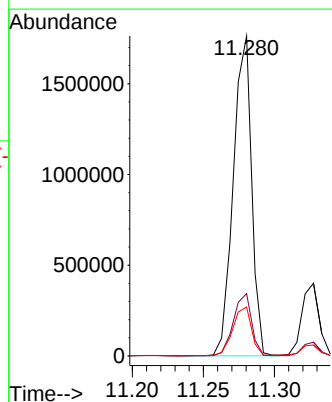
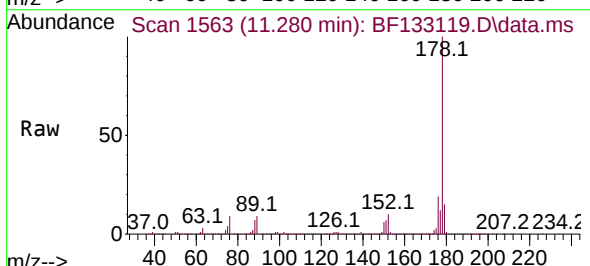
Tgt Ion:178 Resp: 1581797

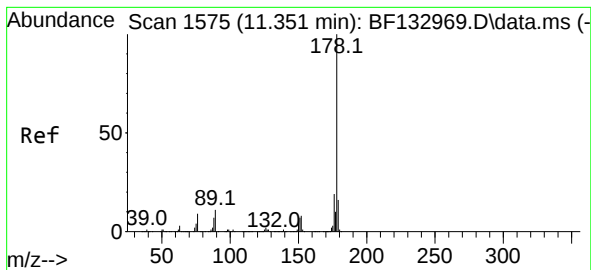
Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

179 15.3 12.5 18.7





#72

Anthracene

Concen: 9.689 ng

RT: 11.328 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

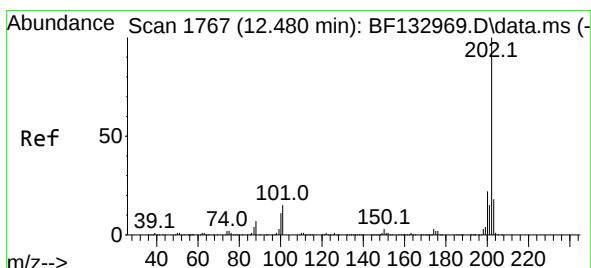
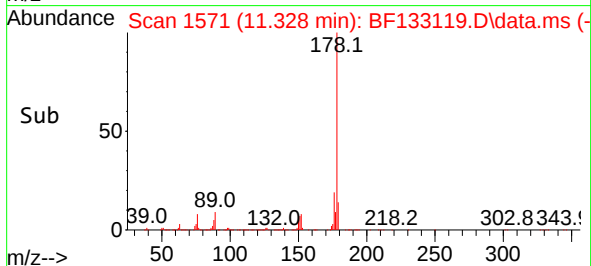
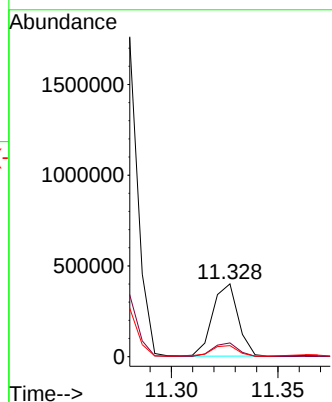
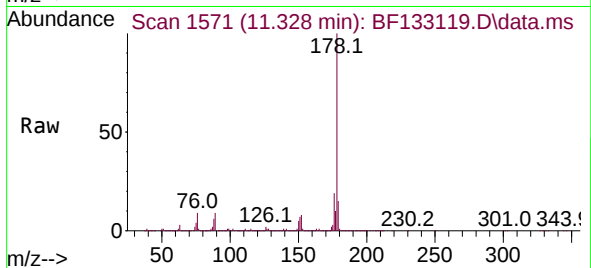
Tgt Ion:178 Resp: 331870

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 2.708 ng

RT: 12.457 min Scan# 1763

Delta R.T. -0.012 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

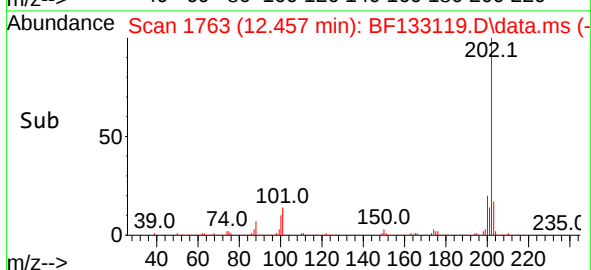
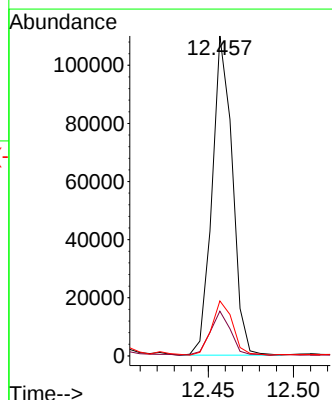
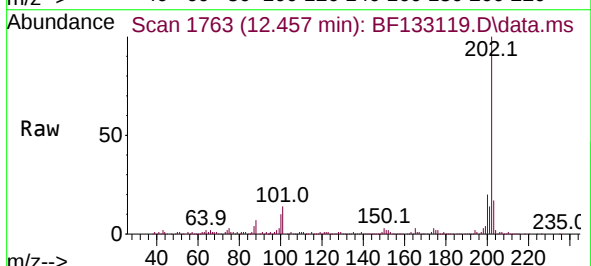
Tgt Ion:202 Resp: 90957

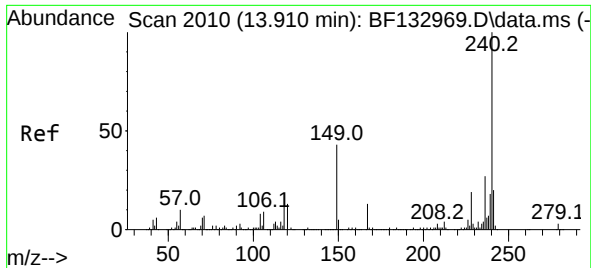
Ion Ratio Lower Upper

202 100

101 14.0 0.0 35.3

203 17.2 0.0 38.1

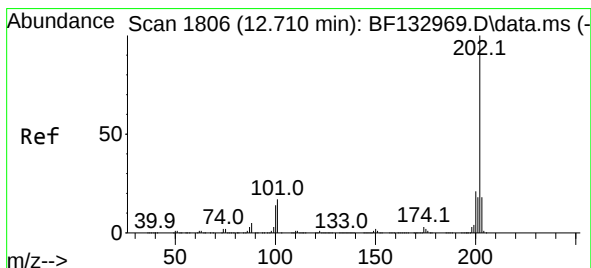
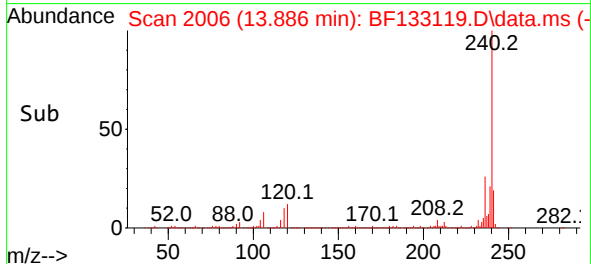
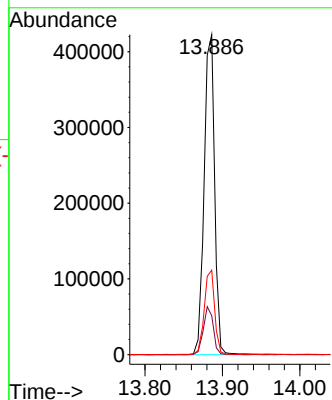
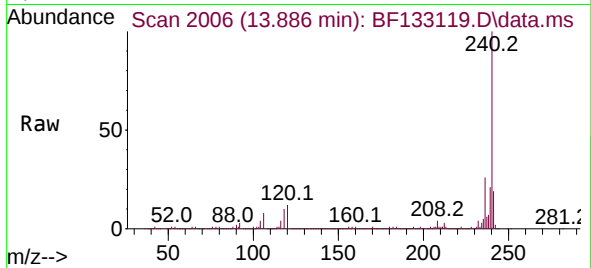




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

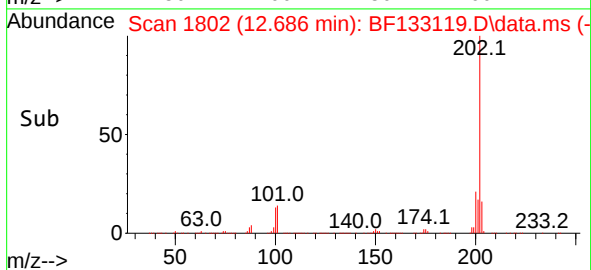
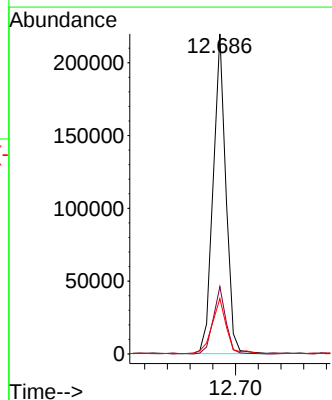
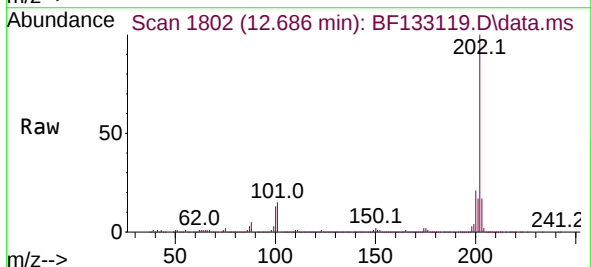
Instrument :
BNA_F
ClientSampleId :
MW-14

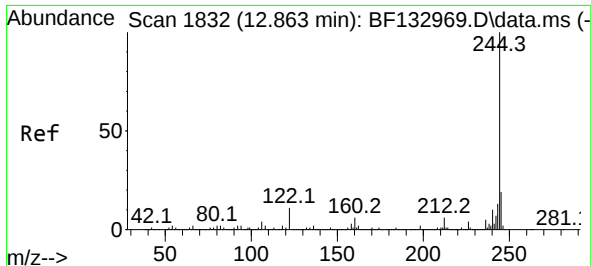
Tgt Ion:240 Resp: 396763
Ion Ratio Lower Upper
240 100
120 12.2 10.5 15.7
236 26.4 21.5 32.3



#78
Pyrene
Concen: 5.026 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:202 Resp: 170933
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 17.3 14.1 21.1

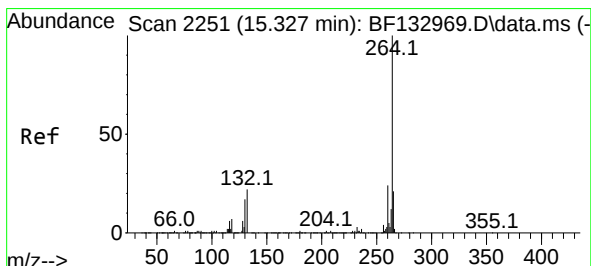
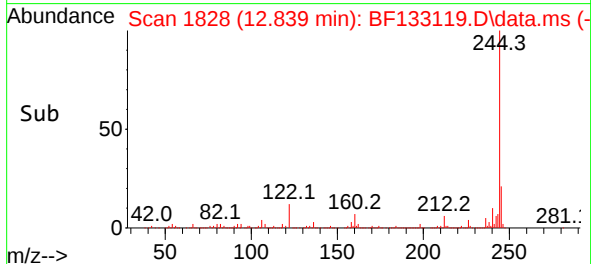
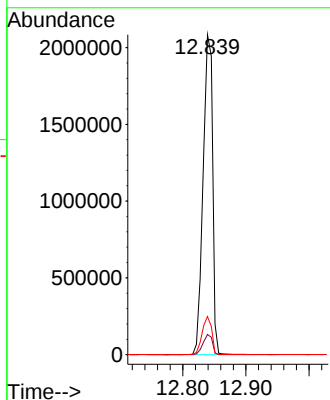
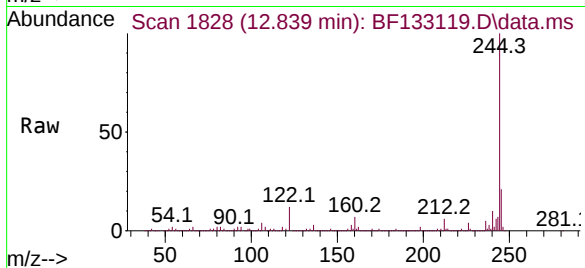




#79
 Terphenyl-d14
 Concen: 94.406 ng
 RT: 12.839 min Scan# 1832
 Delta R.T. -0.006 min
 Lab File: BF133119.D
 Acq: 28 Apr 2023 12:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Tgt Ion:244 Resp: 2171839
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.9 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: BF133119.D
 Acq: 28 Apr 2023 12:53

Tgt Ion:264 Resp: 341054
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 20.6 17.0 25.4

