

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100422\
 Data File : BF130519.D
 Acq On : 04 Oct 2022 15:41
 Operator : CG\JU
 Sample : N4914-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2

Quant Time: Oct 05 02:18:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

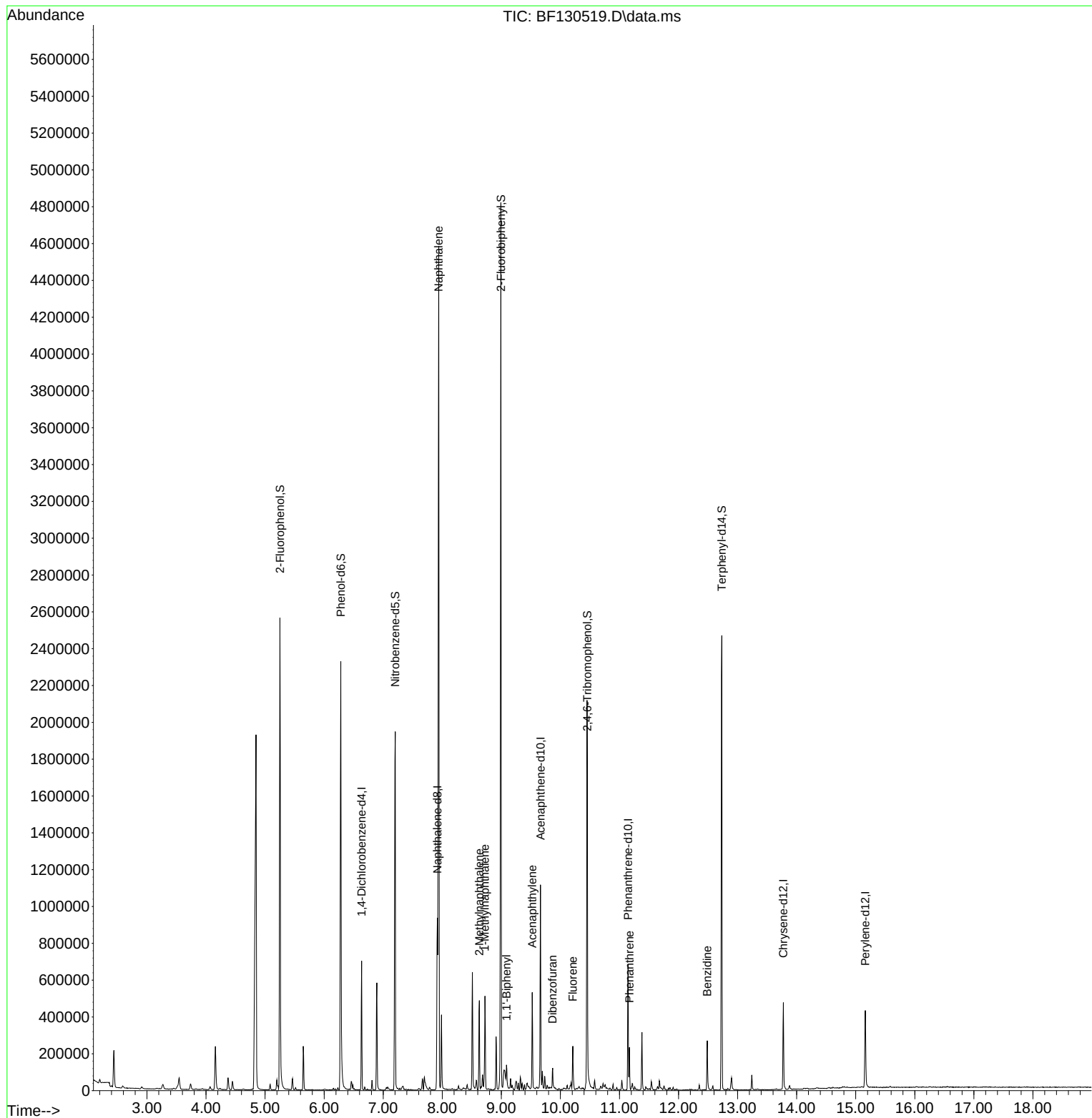
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	87598	20.000	ng	-0.01
21) Naphthalene-d8	7.916	136	427936	20.000	ng	-0.01
39) Acenaphthene-d10	9.663	164	195207	20.000	ng	-0.02
64) Phenanthrene-d10	11.145	188	227375	20.000	ng	-0.01
76) Chrysene-d12	13.774	240	149525	20.000	ng	-0.02
86) Perylene-d12	15.163	264	180066	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.252	112	731069	144.754	ng	0.00
7) Phenol-d6	6.281	99	829146	131.209	ng	-0.01
23) Nitrobenzene-d5	7.204	82	661938	79.024	ng	-0.01
42) 2,4,6-Tribromophenol	10.457	330	261211	139.651	ng	-0.01
45) 2-Fluorobiphenyl	8.992	172	1272860	94.952	ng	-0.02
79) Terphenyl-d14	12.733	244	838826	92.928	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	7.940	128	2019300	91.592	ng	100
37) 2-Methylnaphthalene	8.628	142	123000	8.750	ng	99
38) 1-Methylnaphthalene	8.722	142	118198	8.753	ng	96
46) 1,1'-Biphenyl	9.087	154	29219	2.004	ng	99
49) Acenaphthylene	9.522	152	189888	10.739	ng	99
55) Dibenzofuran	9.869	168	40664	2.516	ng	95
58) Fluorene	10.210	166	58548	4.430	ng	99
71) Phenanthrene	11.169	178	77355	6.060	ng	97
77) Benzidine	12.486	184	101798	23.453	ng	98

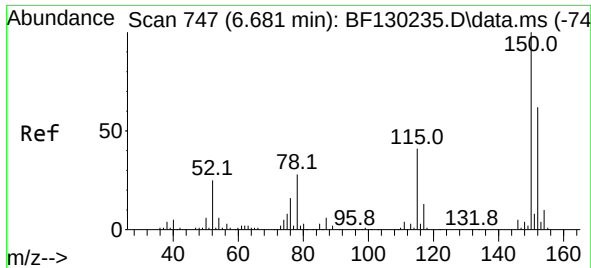
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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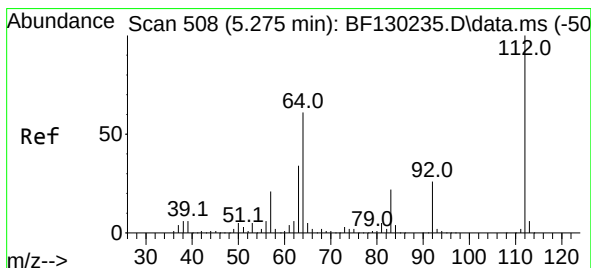
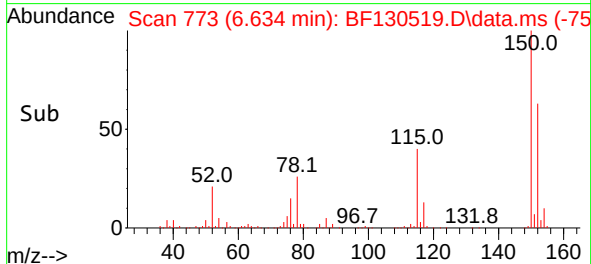
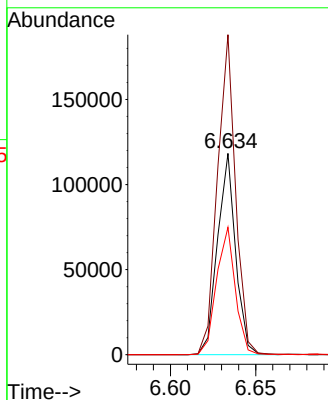
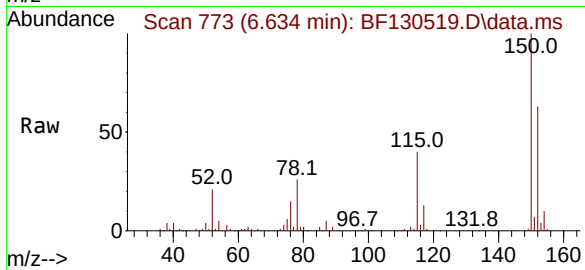




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.634 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

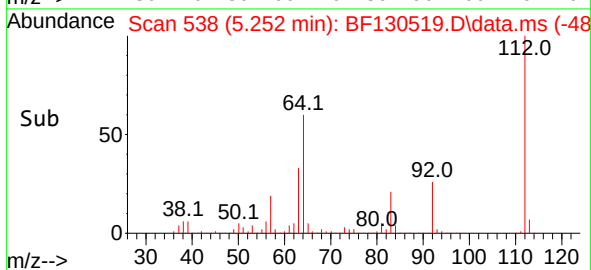
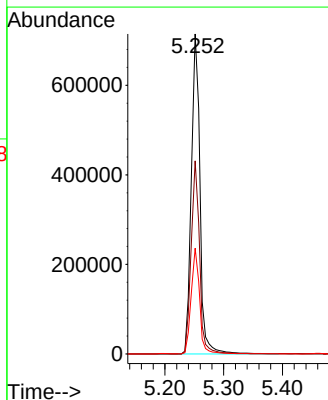
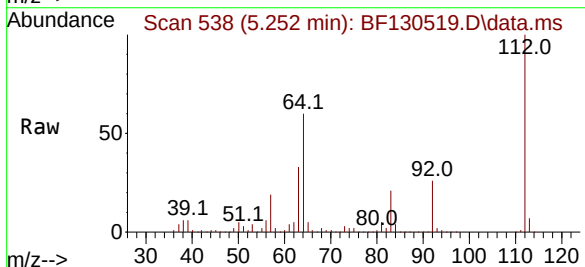
Instrument :
BNA_F
ClientSampleId :
S2

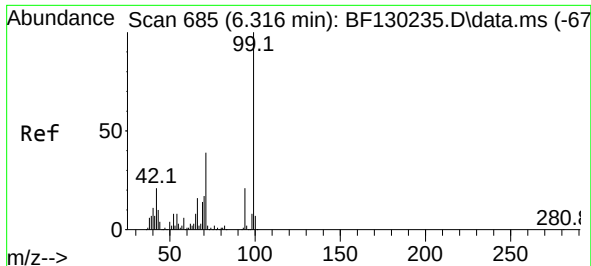
Tgt Ion:152 Resp: 87598
Ion Ratio Lower Upper
152 100
150 159.0 122.8 184.2
115 63.3 53.8 80.8



#5
2-Fluorophenol
Concen: 144.754 ng
RT: 5.252 min Scan# 538
Delta R.T. 0.006 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion:112 Resp: 731069
Ion Ratio Lower Upper
112 100
64 60.4 51.4 77.0
63 33.1 28.8 43.2





#7
Phenol-d6
Concen: 131.209 ng
RT: 6.281 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

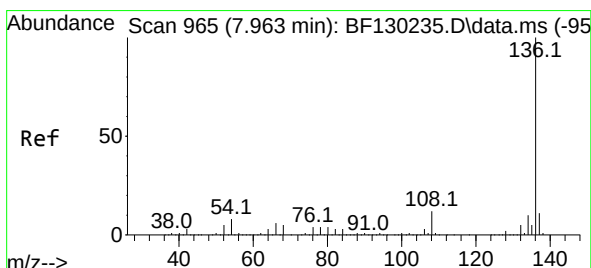
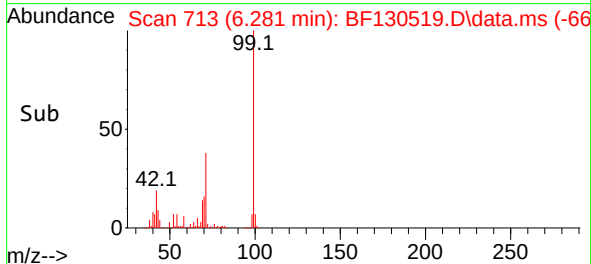
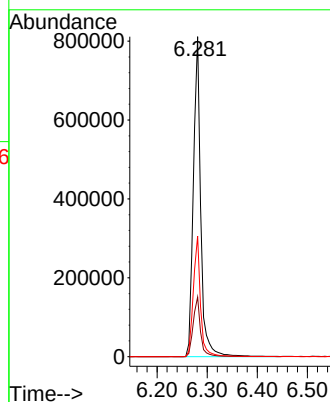
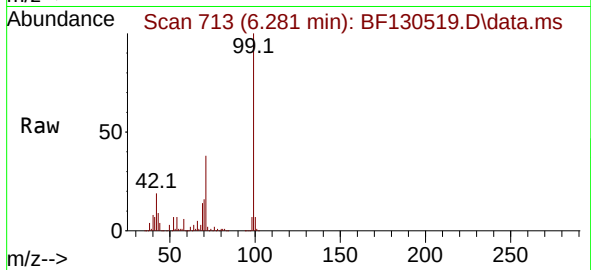
Instrument :

BNA_F

ClientSampleId :

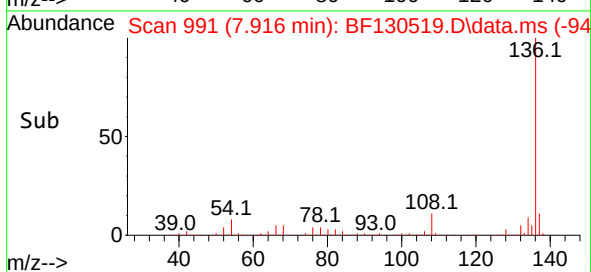
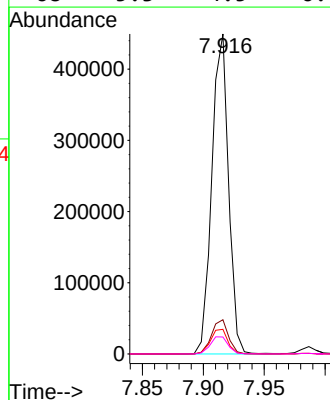
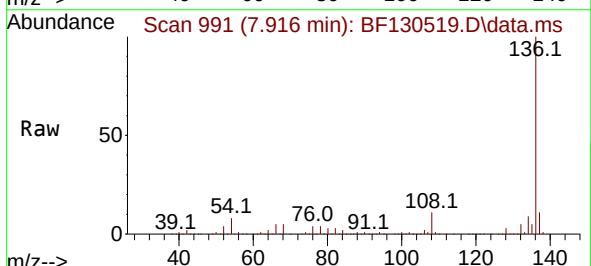
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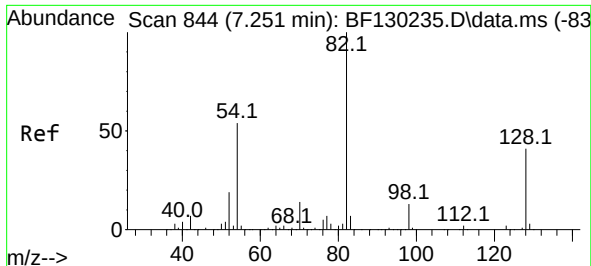
Tgt Ion: 99 Resp: 829146
Ion Ratio Lower Upper
99 100
42 18.7 17.0 25.6
71 37.7 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion: 136 Resp: 427936
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.7 7.1 10.7
68 5.3 4.5 6.7

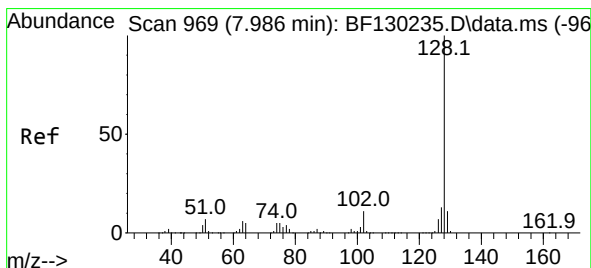
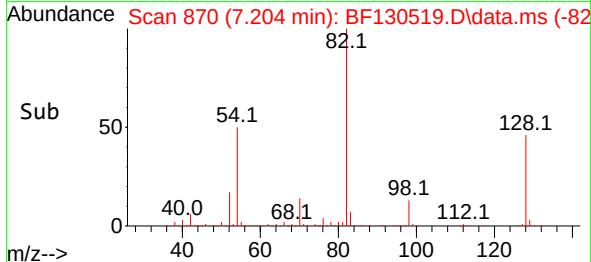
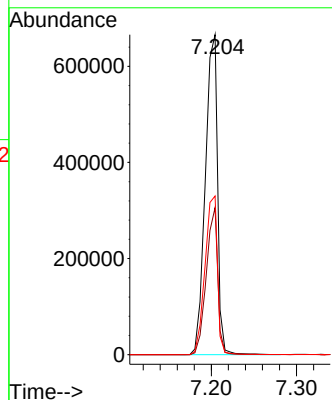
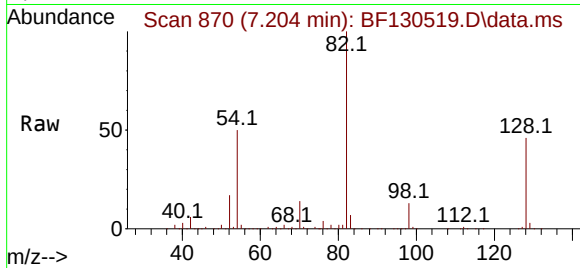




#23
Nitrobenzene-d5
Concen: 79.024 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

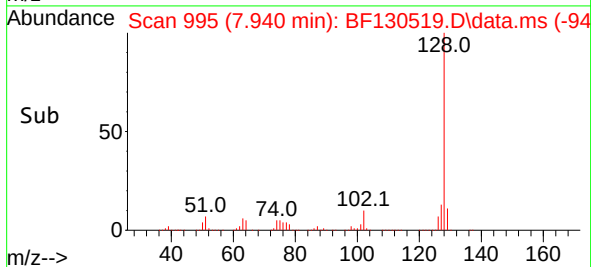
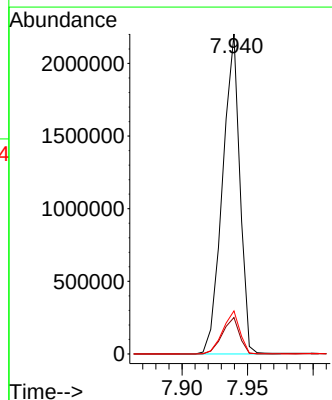
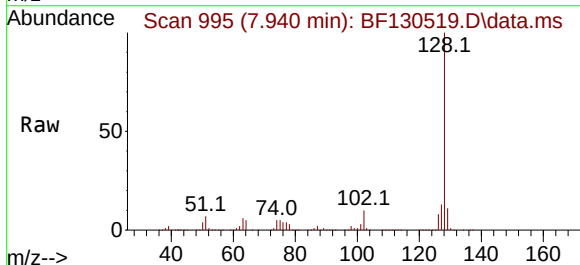
Instrument :
BNA_F
ClientSampleId :
S2

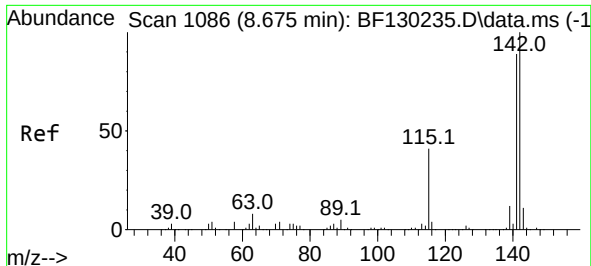
Tgt Ion: 82 Resp: 661938
Ion Ratio Lower Upper
82 100
128 46.0 32.6 49.0
54 49.6 43.8 65.6



#31
Naphthalene
Concen: 91.592 ng
RT: 7.940 min Scan# 995
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion: 128 Resp: 2019300
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.5 10.6 16.0





#37

2-Methylnaphthalene

Concen: 8.750 ng

RT: 8.628 min Scan# 1112

Delta R.T. -0.012 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

Instrument :

BNA_F

ClientSampleId :

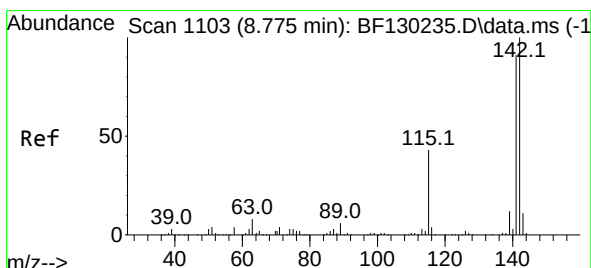
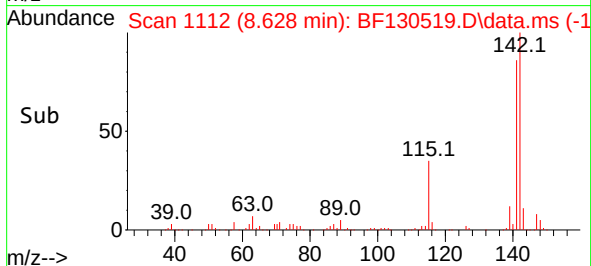
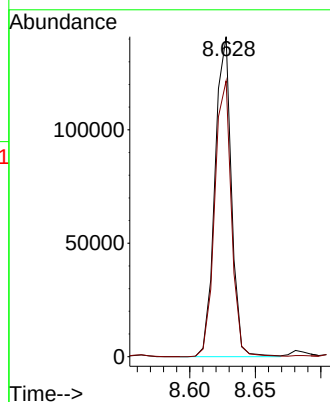
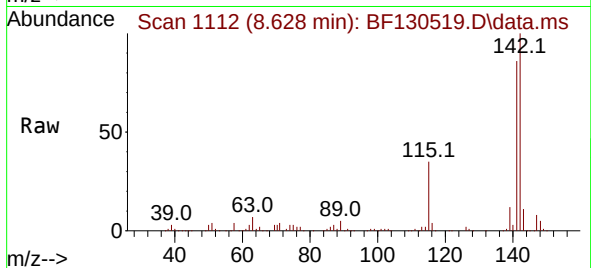
S2

Tgt Ion:142 Resp: 123000

Ion Ratio Lower Upper

142 100

141 86.2 70.0 105.0



#38

1-Methylnaphthalene

Concen: 8.753 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.018 min

Lab File: BF130519.D

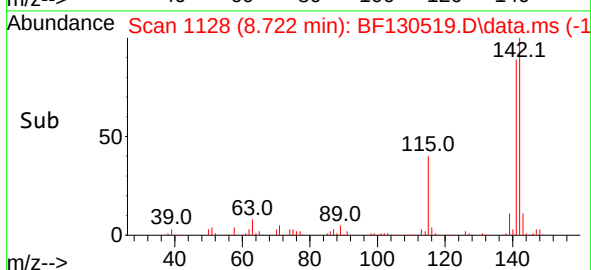
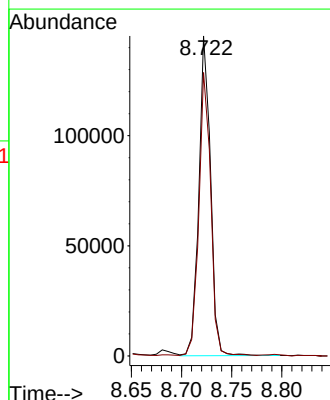
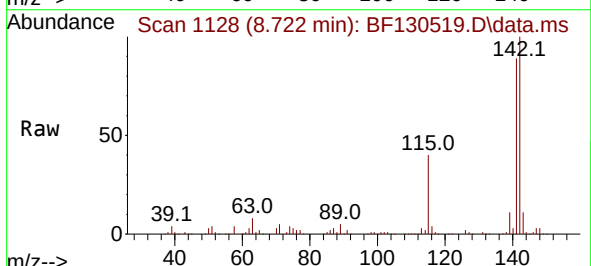
Acq: 04 Oct 2022 15:41

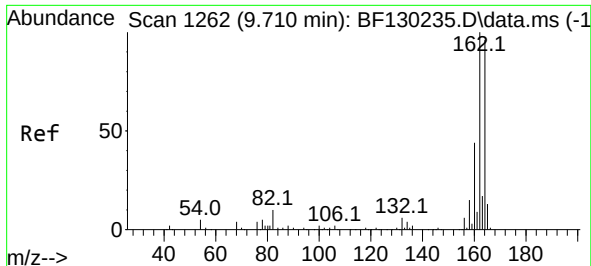
Tgt Ion:142 Resp: 118198

Ion Ratio Lower Upper

142 100

141 88.5 73.8 110.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.663 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

Instrument :

BNA_F

ClientSampleId :

S2

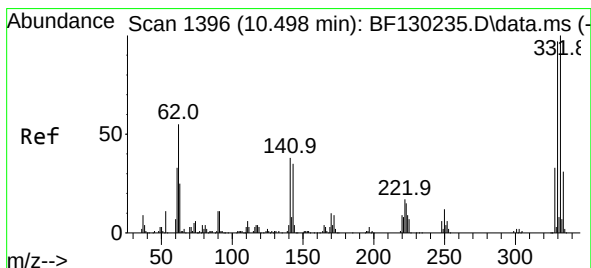
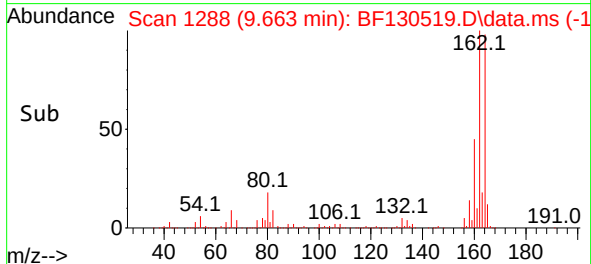
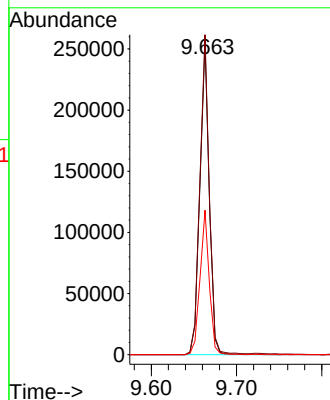
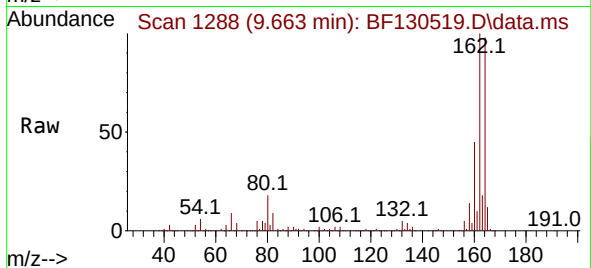
Tgt Ion:164 Resp: 195207

Ion Ratio Lower Upper

164 100

162 102.3 81.4 122.0

160 46.2 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 139.651 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.012 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

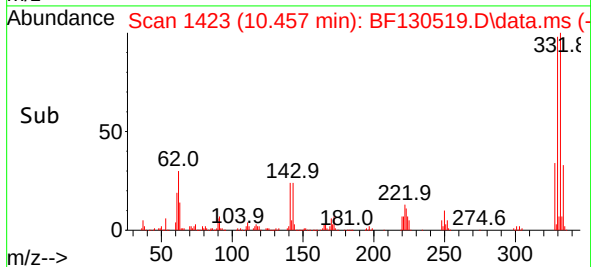
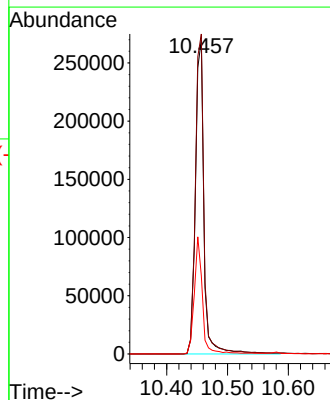
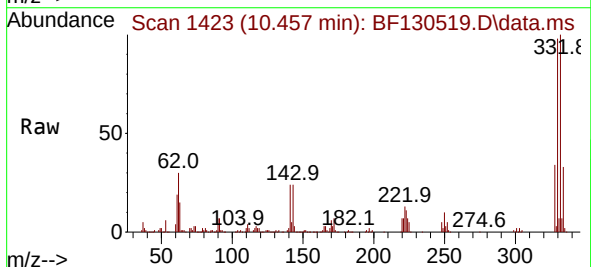
Tgt Ion:330 Resp: 261211

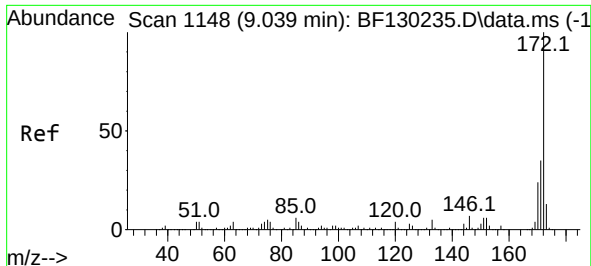
Ion Ratio Lower Upper

330 100

332 103.9 83.4 125.2

141 35.9 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 94.952 ng

RT: 8.992 min Scan# 1174

Delta R.T. -0.018 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

Instrument :

BNA_F

ClientSampleId :

S2

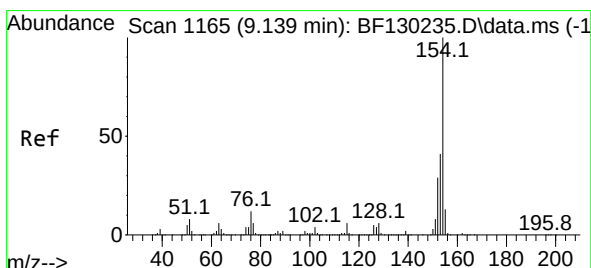
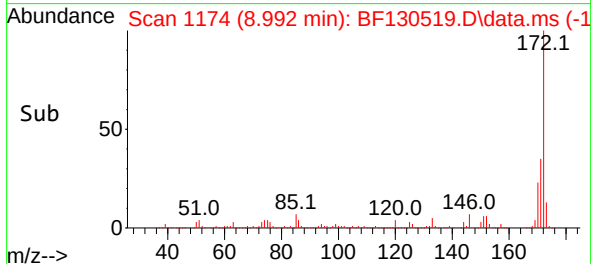
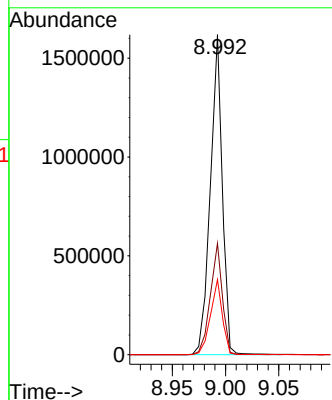
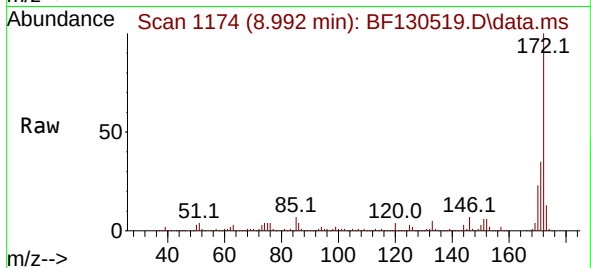
Tgt Ion:172 Resp: 1272860

Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 23.5 18.7 28.1



#46

1,1'-Biphenyl

Concen: 2.004 ng

RT: 9.087 min Scan# 1190

Delta R.T. -0.018 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

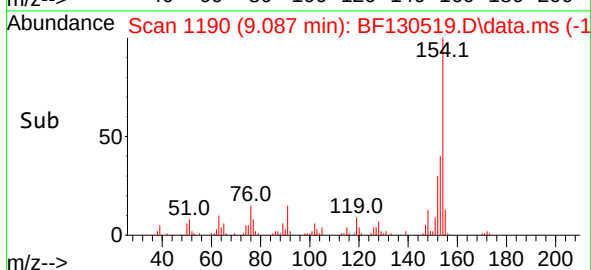
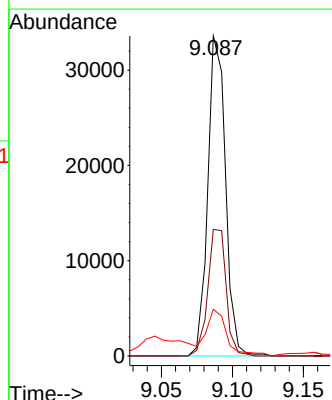
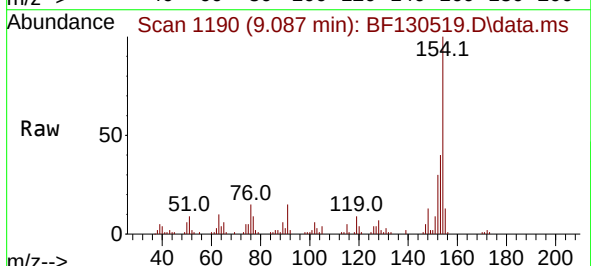
Tgt Ion:154 Resp: 29219

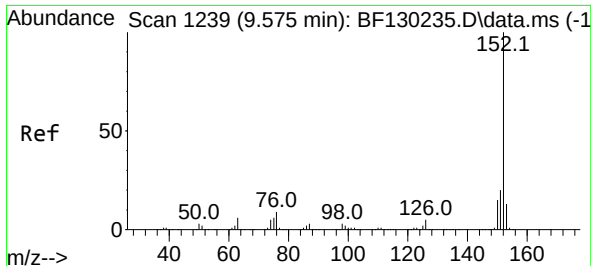
Ion Ratio Lower Upper

154 100

153 39.6 20.0 60.0

76 14.6 0.0 33.3





#49

Acenaphthylene

Concen: 10.739 ng

RT: 9.522 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

Instrument :

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ClientSampleId :

S2

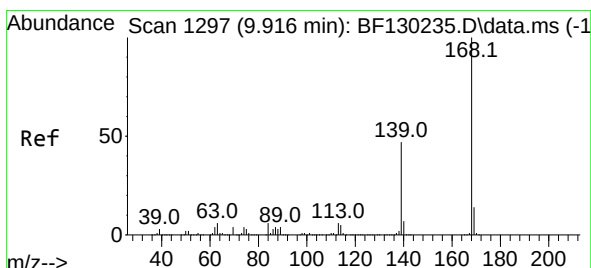
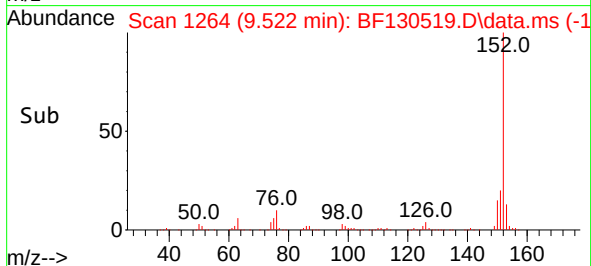
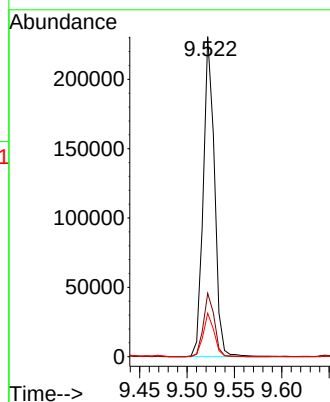
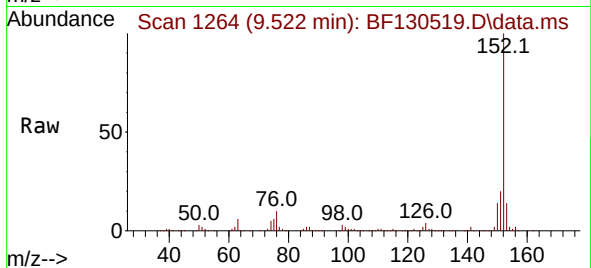
Tgt Ion:152 Resp: 189888

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

153 13.6 10.6 15.8



#55

Dibenzofuran

Concen: 2.516 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.018 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

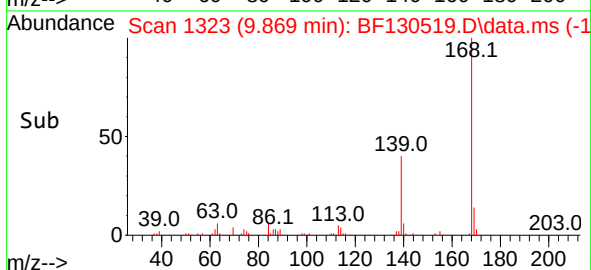
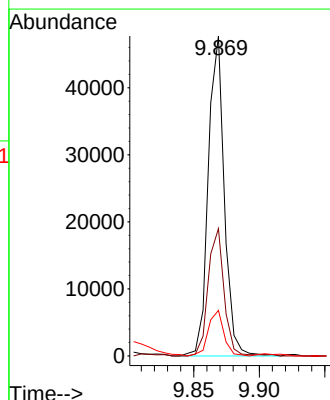
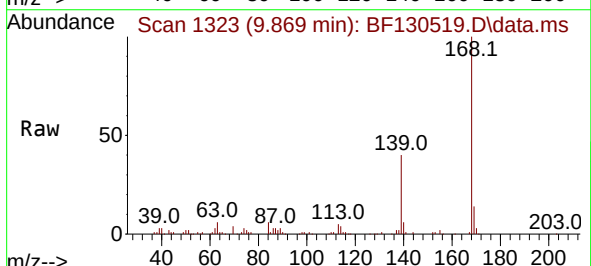
Tgt Ion:168 Resp: 40664

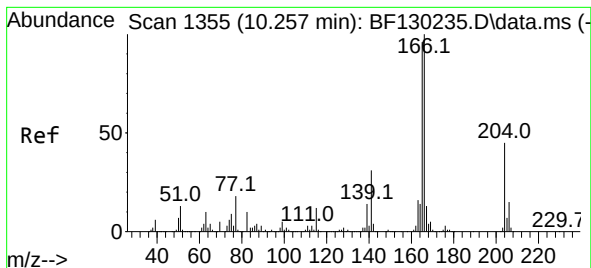
Ion Ratio Lower Upper

168 100

139 39.8 35.0 52.4

169 14.3 10.9 16.3





#58

Fluorene

Concen: 4.430 ng

RT: 10.210 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

Instrument :

BNA_F

ClientSampleId :

S2

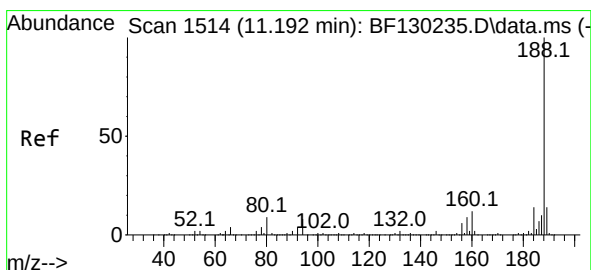
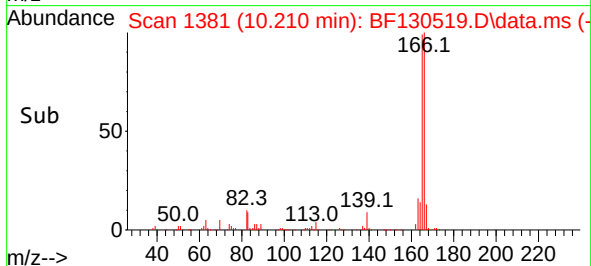
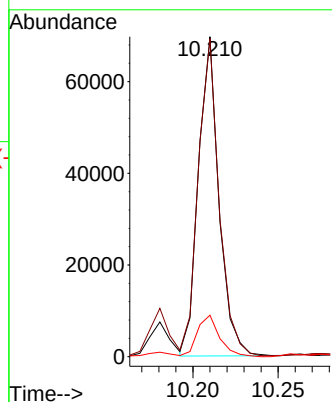
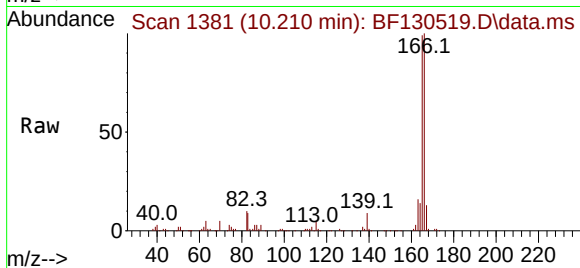
Tgt Ion:166 Resp: 58548

Ion Ratio Lower Upper

166 100

165 99.3 78.8 118.2

167 13.0 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.145 min Scan# 1540

Delta R.T. -0.012 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

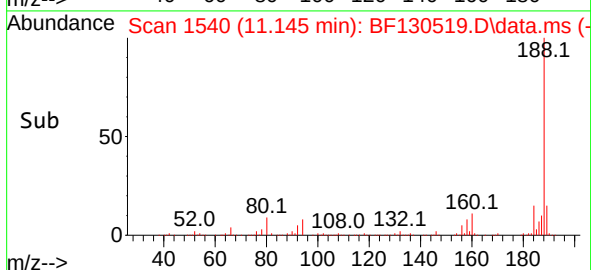
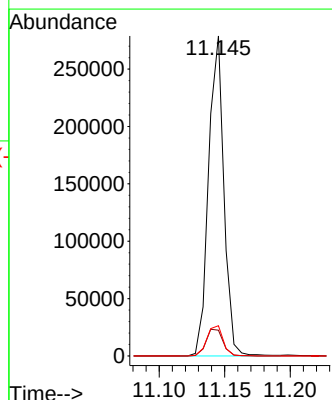
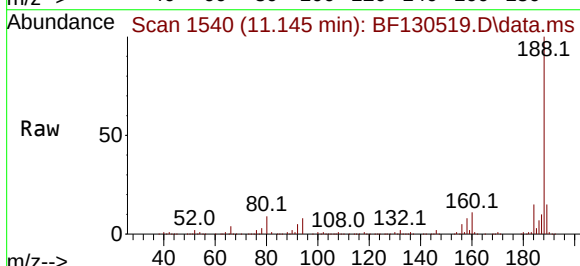
Tgt Ion:188 Resp: 227375

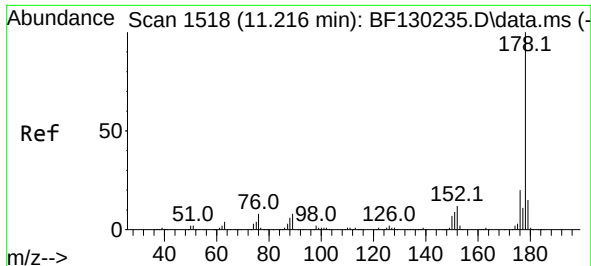
Ion Ratio Lower Upper

188 100

94 8.0 7.4 11.2

80 9.4 7.9 11.9

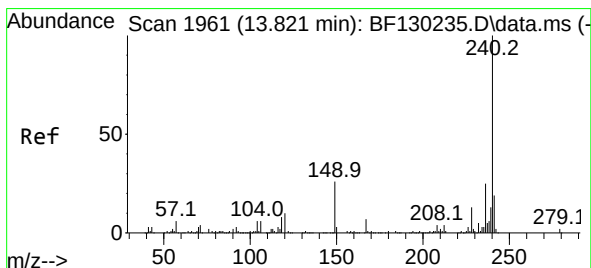
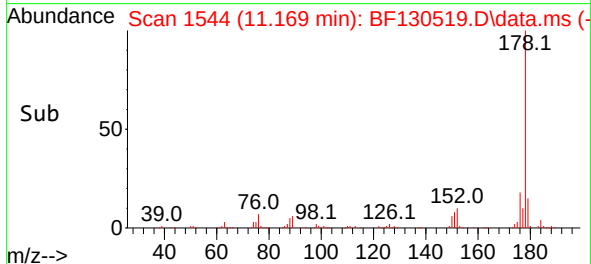
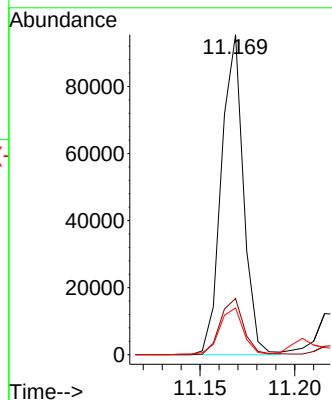
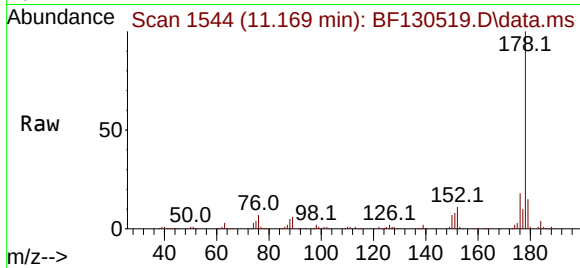




#71
Phenanthrene
Concen: 6.060 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

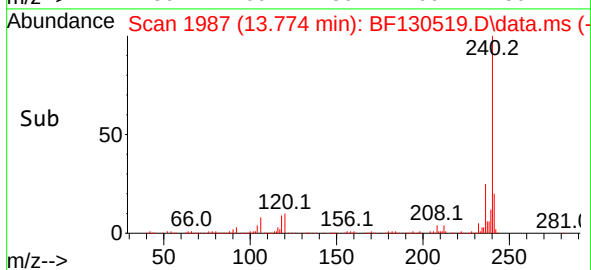
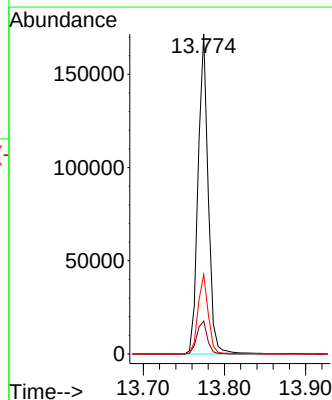
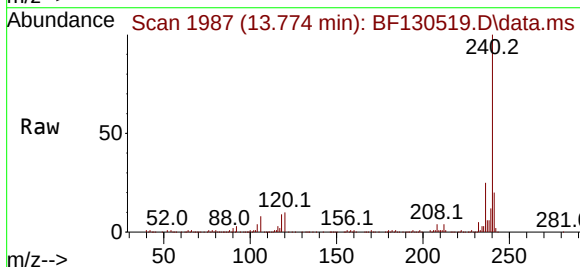
Instrument :
BNA_F
ClientSampleId :
S2

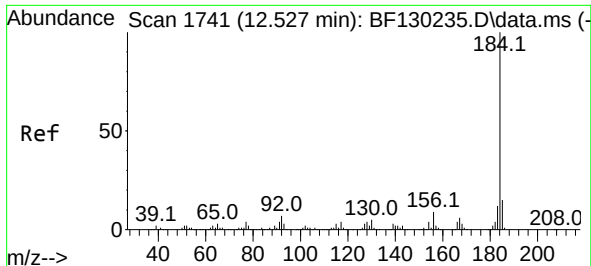
Tgt Ion:178 Resp: 77355
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.0
179 14.6 12.4 18.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.774 min Scan# 1987
Delta R.T. -0.018 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion:240 Resp: 149525
Ion Ratio Lower Upper
240 100
120 10.3 8.7 13.1
236 24.8 20.9 31.3

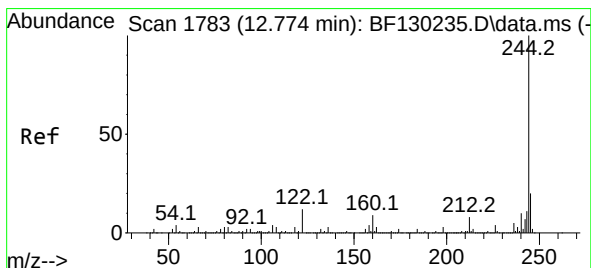
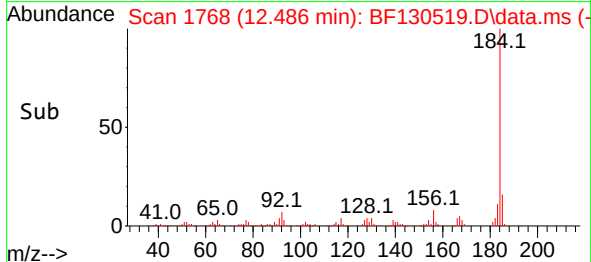
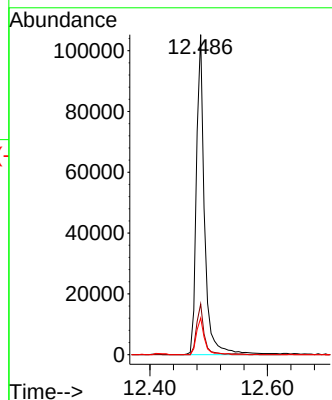
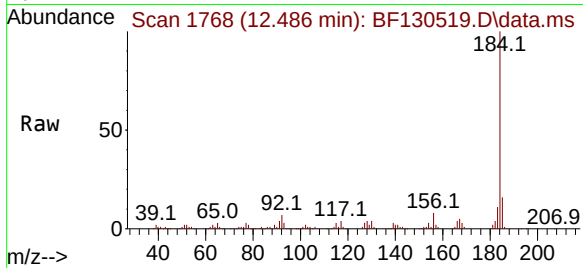




#77
Benzidine
Concen: 23.453 ng
RT: 12.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

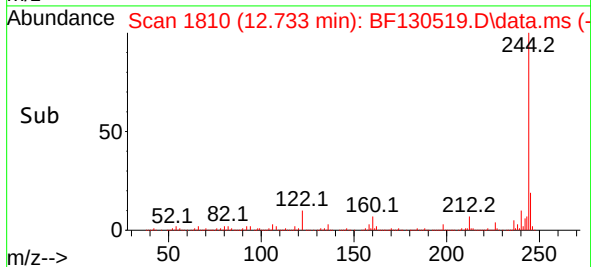
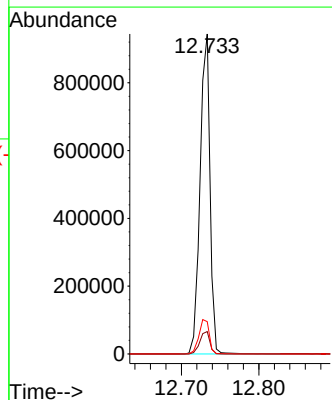
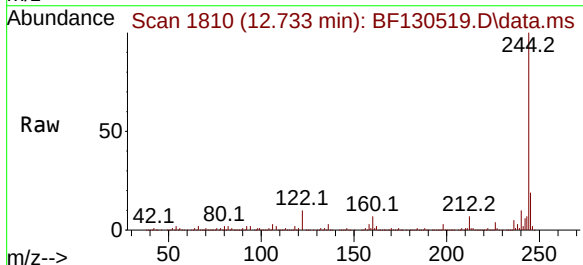
Instrument :
BNA_F
ClientSampleId :
S2

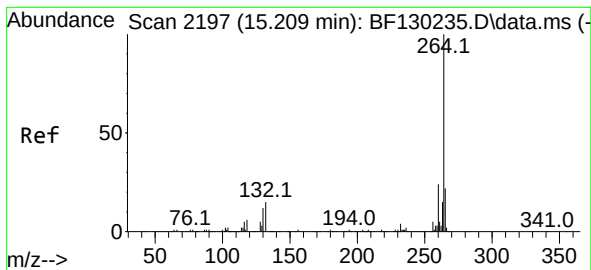
Tgt Ion:184 Resp: 101798
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.6
183 11.4 9.1 13.7



#79
Terphenyl-d14
Concen: 92.928 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

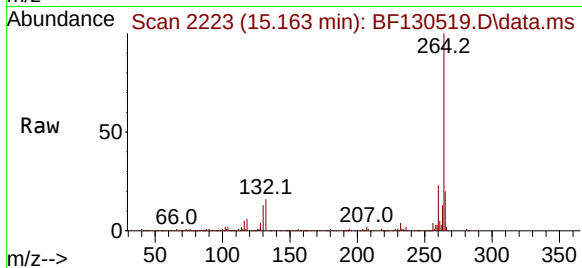
Tgt Ion:244 Resp: 838826
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 10.1 8.5 12.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.163 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF130519.D
 Acq: 04 Oct 2022 15:41

Instrument :
 BNA_F
 ClientSampleId :
 S2



Tgt Ion:264 Resp: 180066
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.3 28.9
 265 19.8 17.0 25.4

