

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
 Data File : BF141830.D
 Acq On : 04 Mar 2025 16:47
 Operator : RC/JU
 Sample : Q1480-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 04 17:12:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

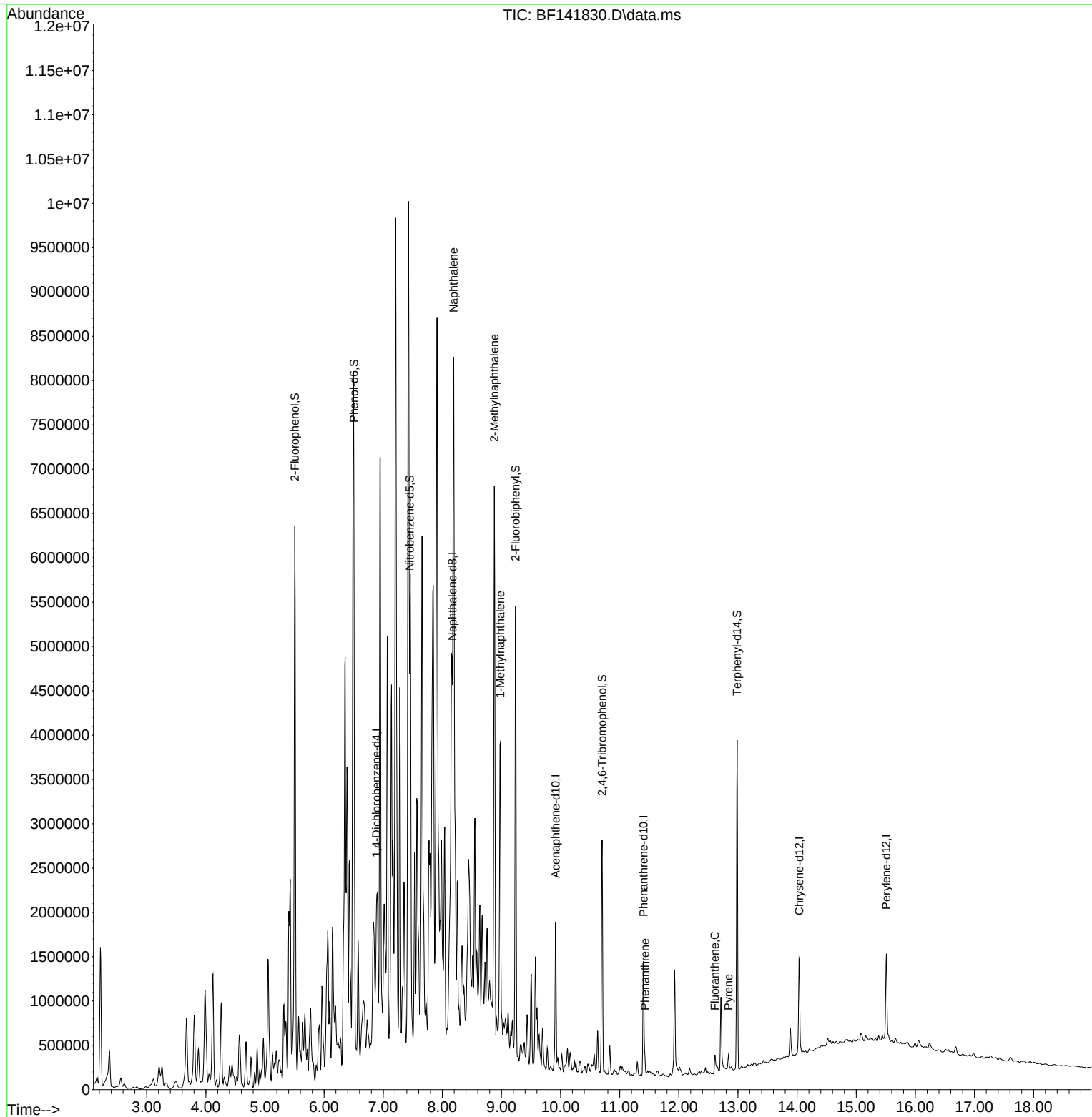
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	248920	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	884716	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	471800	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	659188	20.000	ng	0.00
76) Chrysene-d12	14.039	240	500223	20.000	ng	-0.01
86) Perylene-d12	15.509	264	548329	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1566567	100.506	ng	0.00
7) Phenol-d6	6.504	99	1915483	94.416	ng	0.00
23) Nitrobenzene-d5	7.451	82	1290306	93.224	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	414277	93.530	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2169993	73.749	ng	0.00
79) Terphenyl-d14	12.986	244	1764011	57.055	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.192	128	3607136	79.329	ng	97
37) 2-Methylnaphthalene	8.880	142	2464088	82.618	ng	99
38) 1-Methylnaphthalene	8.980	142	1254524	43.837	ng	99
71) Phenanthrene	11.427	178	129779	3.681	ng	97
75) Fluoranthene	12.610	202	106119	2.937	ng	99
78) Pyrene	12.839	202	96109	2.219	ng	97

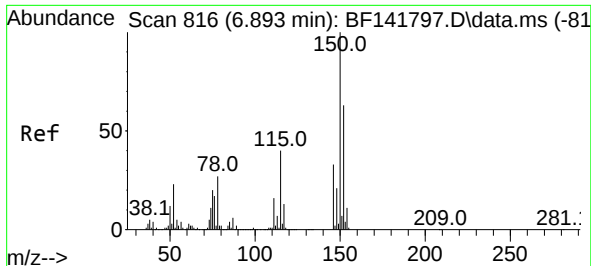
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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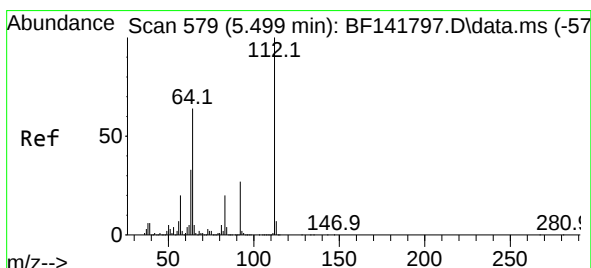
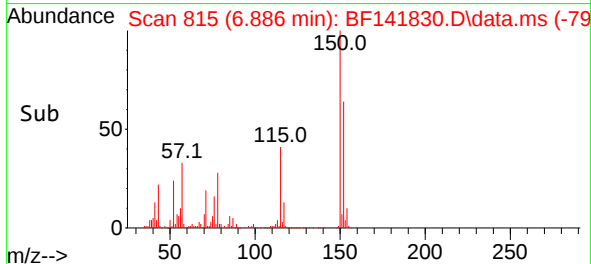
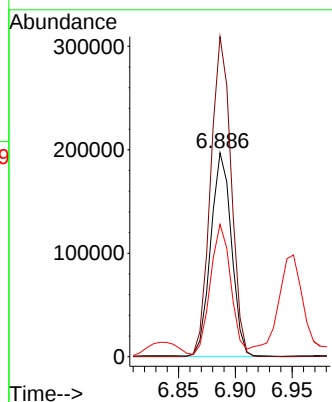
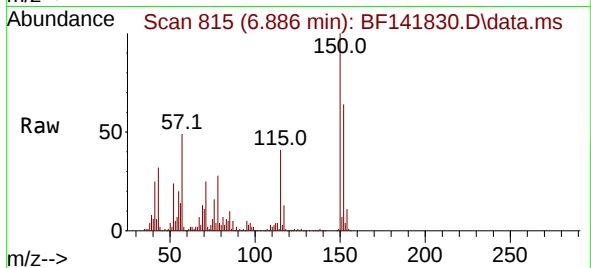




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 816
 Delta R.T. -0.007 min
 Lab File: BF141830.D
 Acq: 04 Mar 2025 16:47

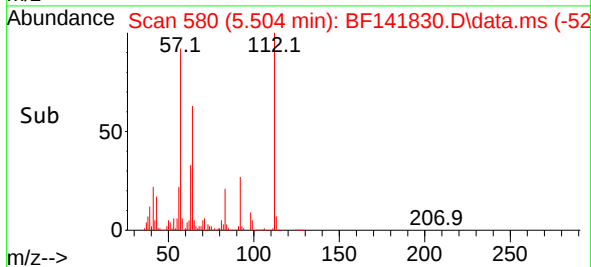
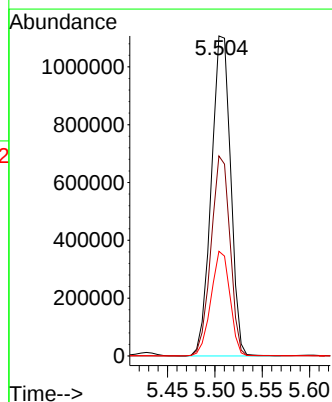
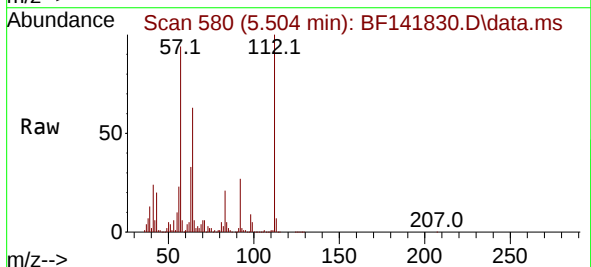
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

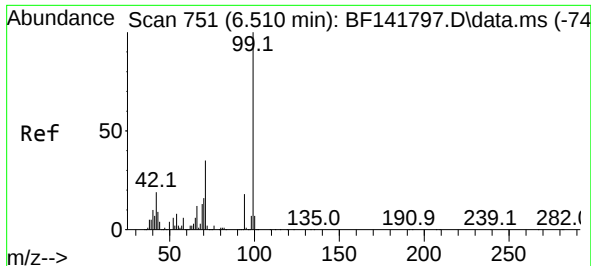
Tgt Ion:152 Resp: 248920
 Ion Ratio Lower Upper
 152 100
 150 157.0 127.5 191.3
 115 65.0 51.4 77.2



#5
 2-Fluorophenol
 Concen: 100.506 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.006 min
 Lab File: BF141830.D
 Acq: 04 Mar 2025 16:47

Tgt Ion:112 Resp: 1566567
 Ion Ratio Lower Upper
 112 100
 64 62.5 51.3 76.9
 63 32.7 26.2 39.4





#7
Phenol-d6
Concen: 94.416 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

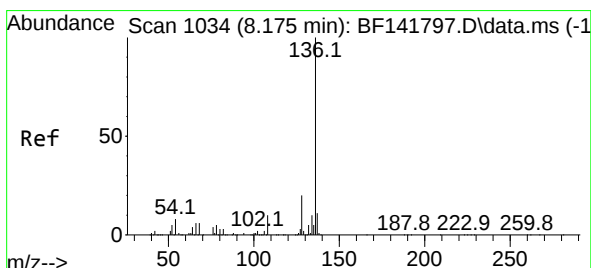
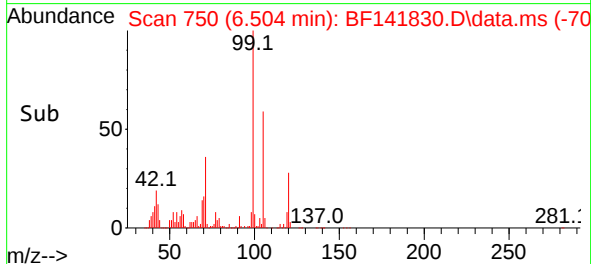
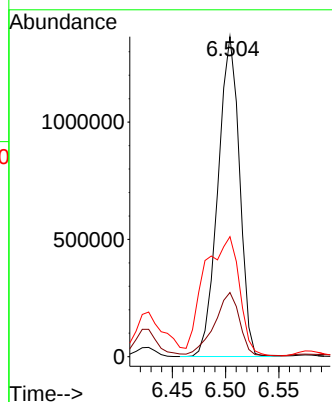
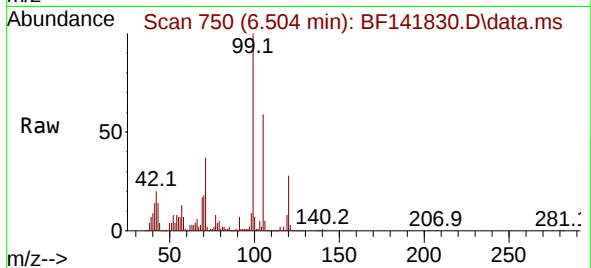
Instrument :

BNA_F

ClientSampleId :

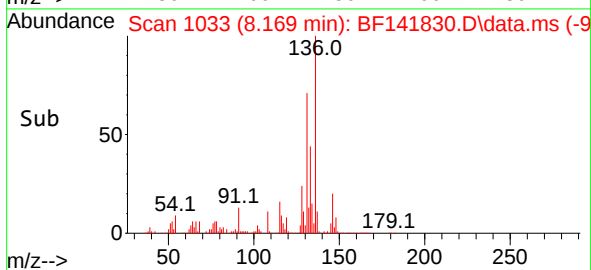
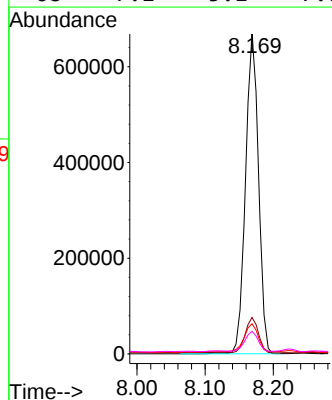
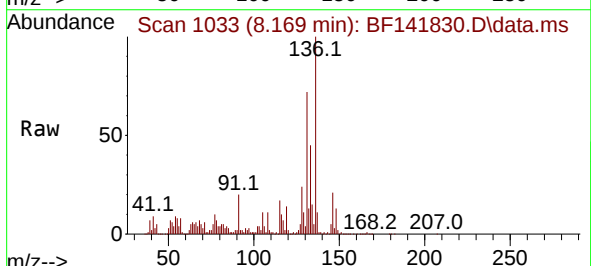
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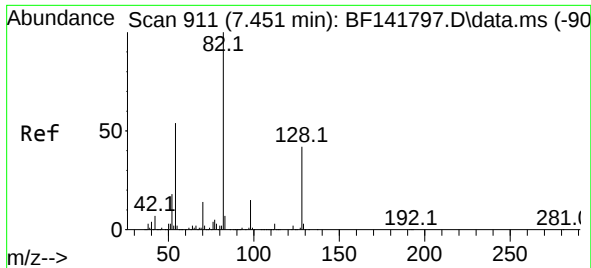
Tgt Ion: 99 Resp: 1915483
Ion Ratio Lower Upper
99 100
42 20.0 15.2 22.8
71 37.5 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

Tgt Ion: 136 Resp: 884716
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 9.5 6.9 10.3
68 7.1 5.1 7.7

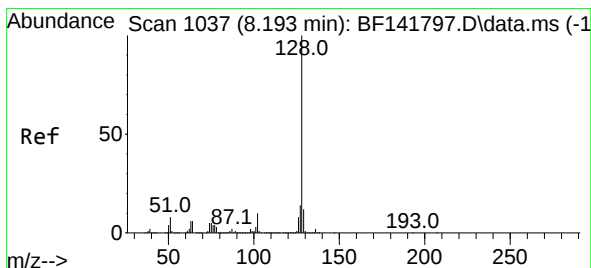
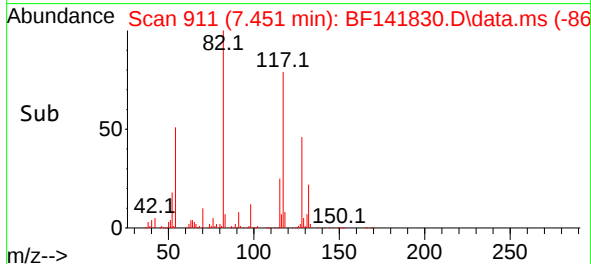
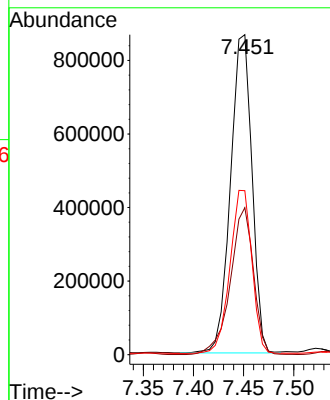
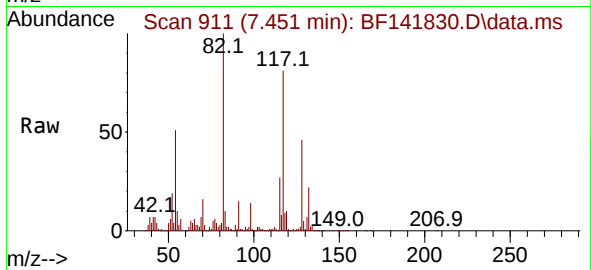




#23
Nitrobenzene-d5
Concen: 93.224 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.000 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

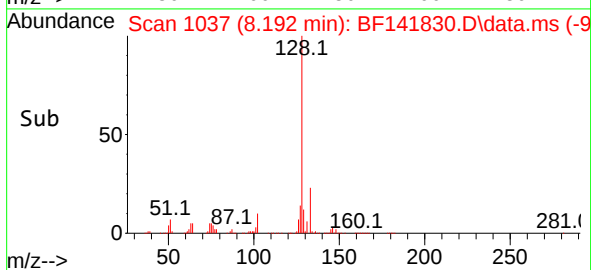
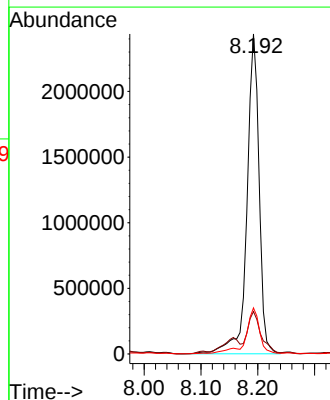
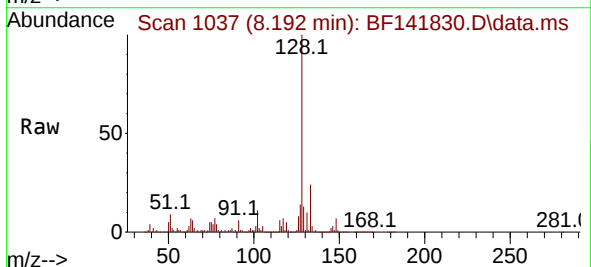
Instrument :
BNA_F
ClientSampleId :
TP-3

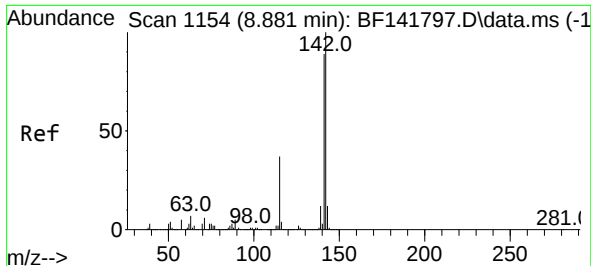
Tgt Ion: 82 Resp: 1290306
Ion Ratio Lower Upper
82 100
128 45.9 33.5 50.3
54 51.3 42.7 64.1



#31
Naphthalene
Concen: 79.329 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

Tgt Ion:128 Resp: 3607136
Ion Ratio Lower Upper
128 100
129 13.3 9.2 13.8
127 14.4 11.0 16.4

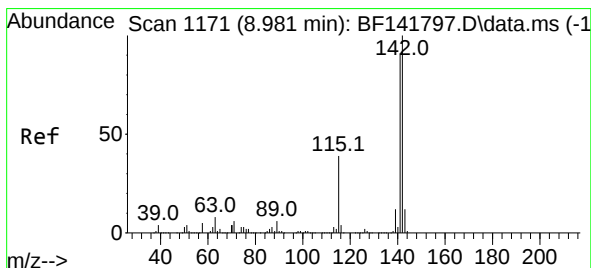
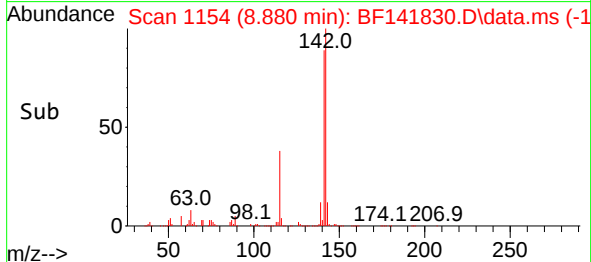
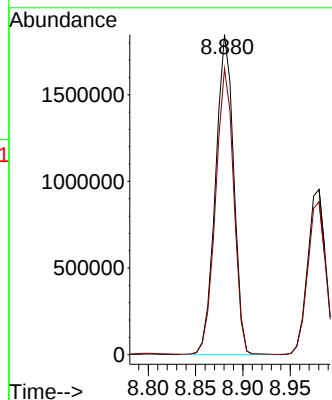
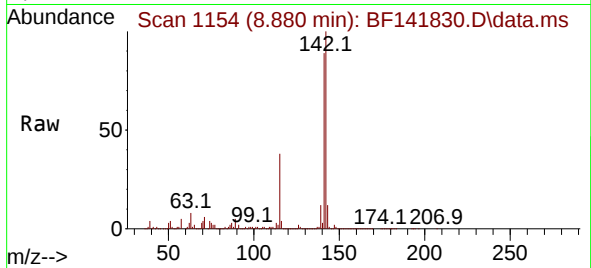




#37
2-Methylnaphthalene
Concen: 82.618 ng
RT: 8.880 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

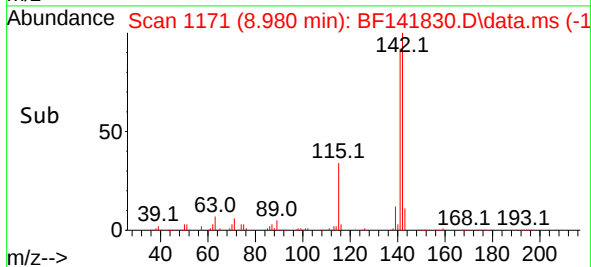
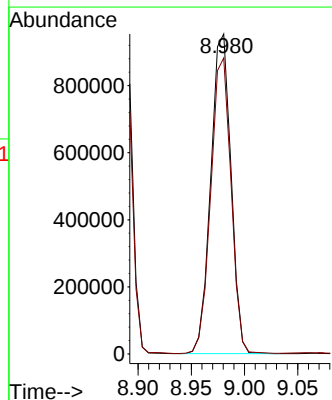
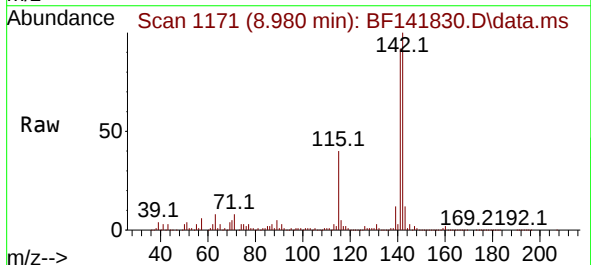
Instrument :
BNA_F
ClientSampleId :
TP-3

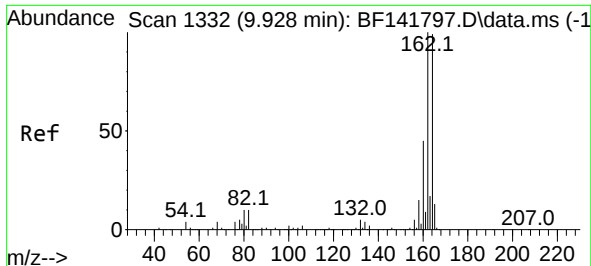
Tgt Ion:142 Resp: 2464088
Ion Ratio Lower Upper
142 100
141 89.4 71.1 106.7



#38
1-Methylnaphthalene
Concen: 43.837 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

Tgt Ion:142 Resp: 1254524
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141830.D

Acq: 04 Mar 2025 16:47

Instrument :

BNA_F

ClientSampleId :

TP-3

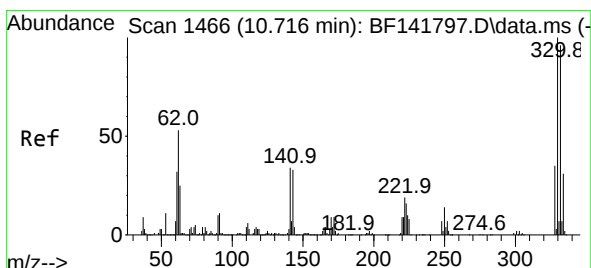
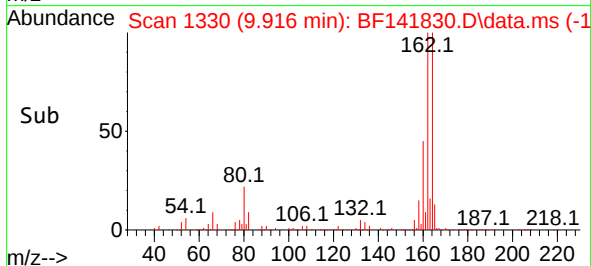
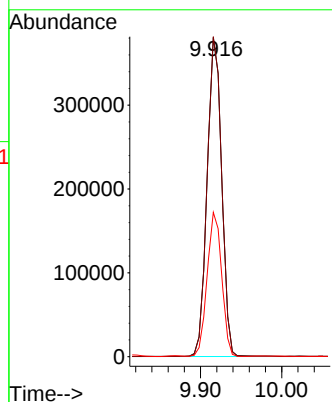
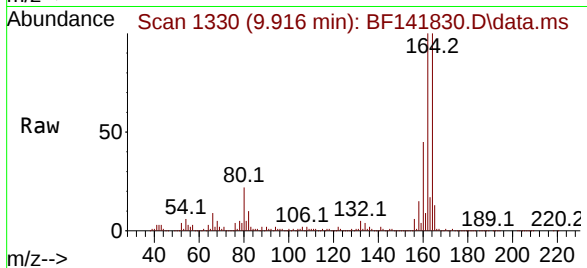
Tgt Ion:164 Resp: 471800

Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

160 45.2 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 93.530 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141830.D

Acq: 04 Mar 2025 16:47

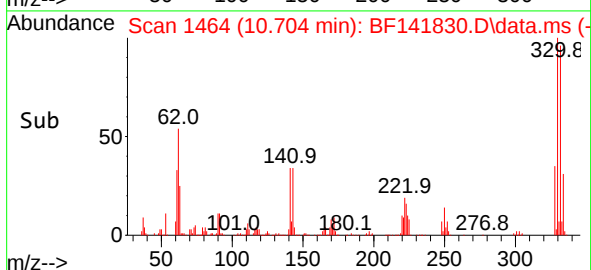
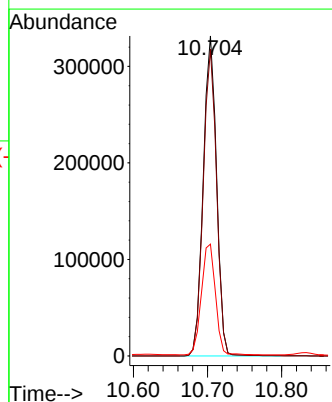
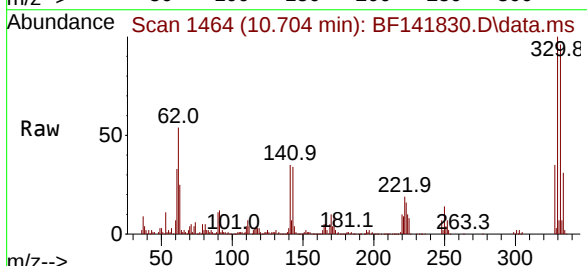
Tgt Ion:330 Resp: 414277

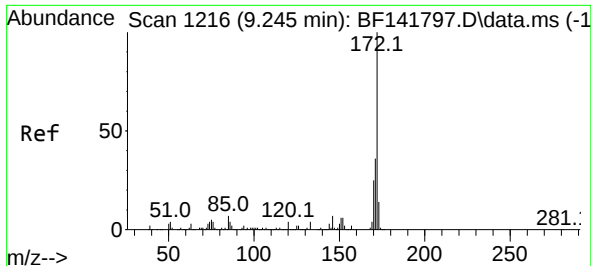
Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

141 36.5 29.0 43.4

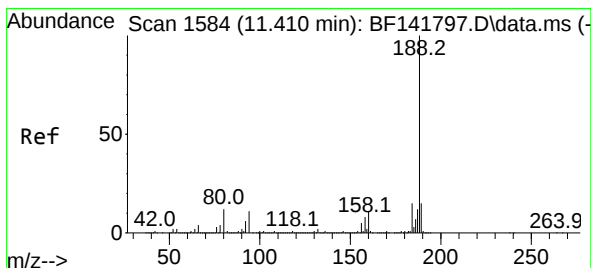
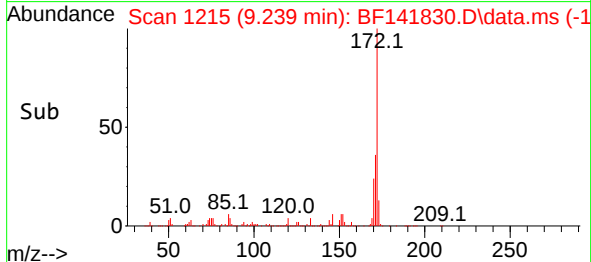
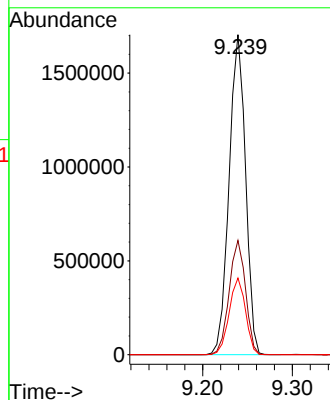
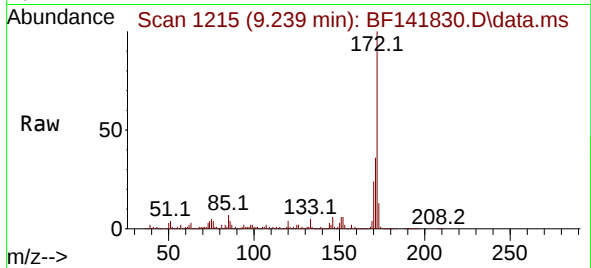




#45
2-Fluorobiphenyl
Concen: 73.749 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

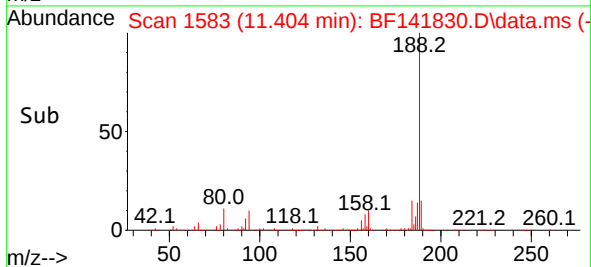
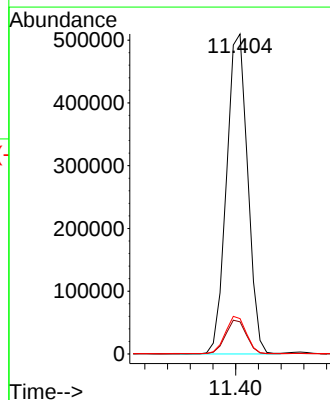
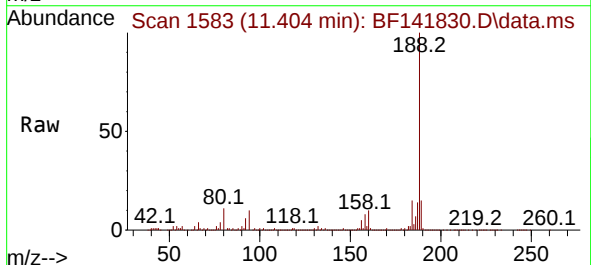
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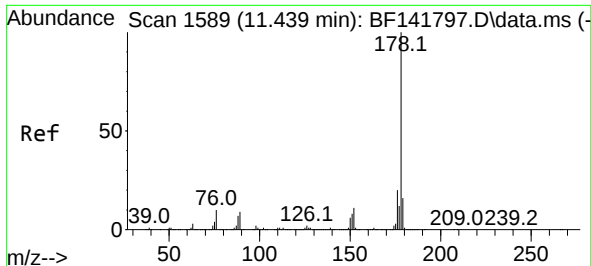
Tgt Ion:172 Resp: 2169993
Ion Ratio Lower Upper
172 100
171 35.7 29.2 43.8
170 23.9 19.7 29.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

Tgt Ion:188 Resp: 659188
Ion Ratio Lower Upper
188 100
94 10.0 8.9 13.3
80 11.1 9.7 14.5

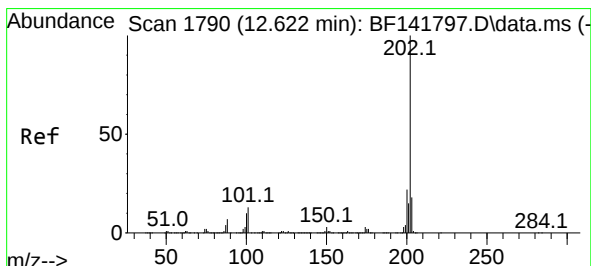
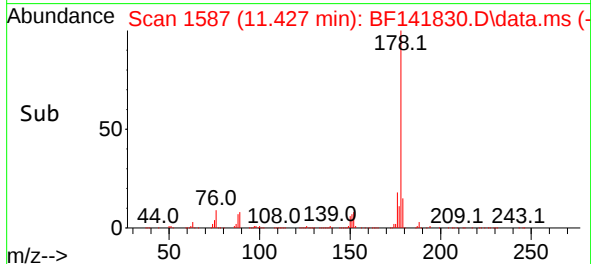
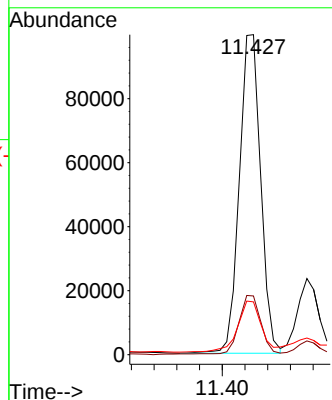
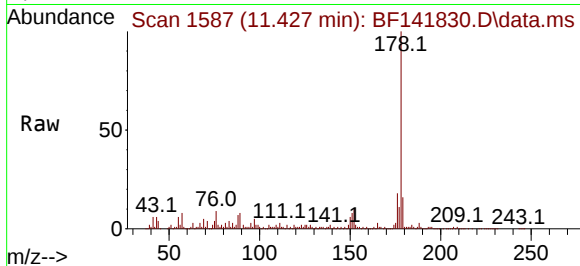




#71
Phenanthrene
Concen: 3.681 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

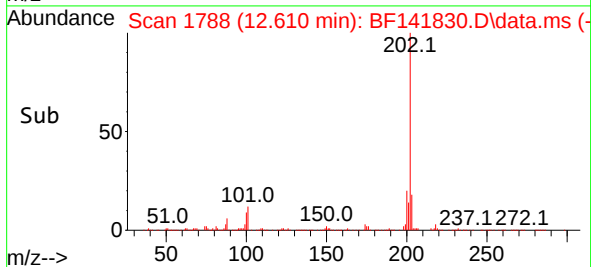
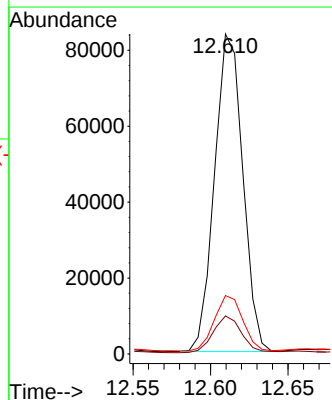
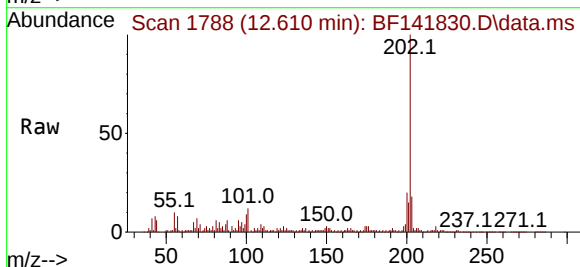
Instrument :
BNA_F
ClientSampleId :
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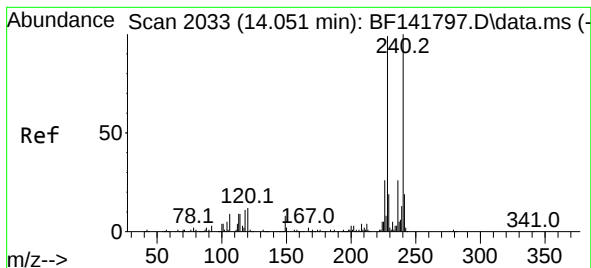
Tgt Ion:178 Resp: 129779
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 16.5 12.6 19.0



#75
Fluoranthene
Concen: 2.937 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF141830.D
Acq: 04 Mar 2025 16:47

Tgt Ion:202 Resp: 106119
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.8
203 18.3 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF141830.D

Acq: 04 Mar 2025 16:47

Instrument :

BNA_F

ClientSampleId :

TP-3

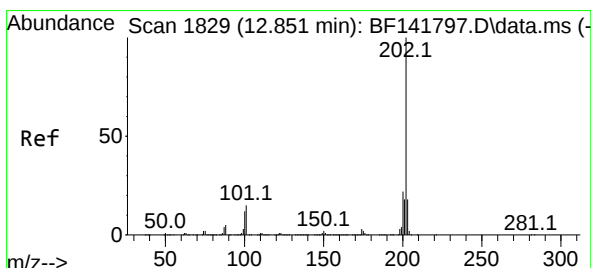
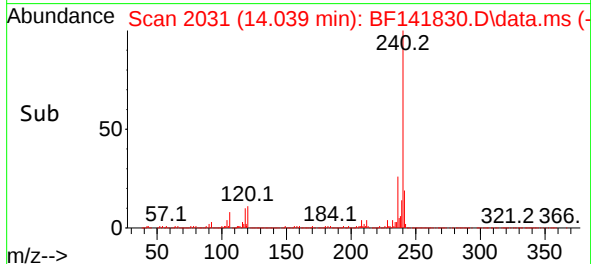
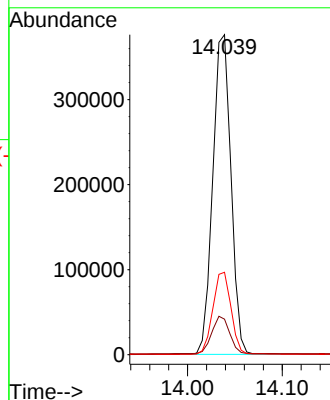
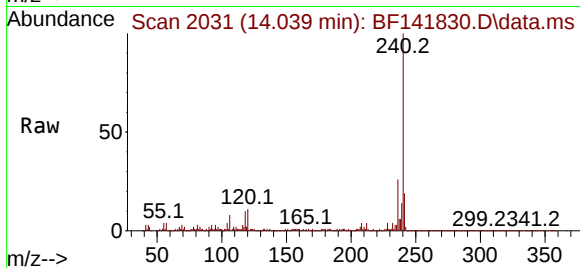
Tgt Ion:240 Resp: 500223

Ion Ratio Lower Upper

240 100

120 11.1 9.7 14.5

236 25.8 21.0 31.4



#78

Pyrene

Concen: 2.219 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF141830.D

Acq: 04 Mar 2025 16:47

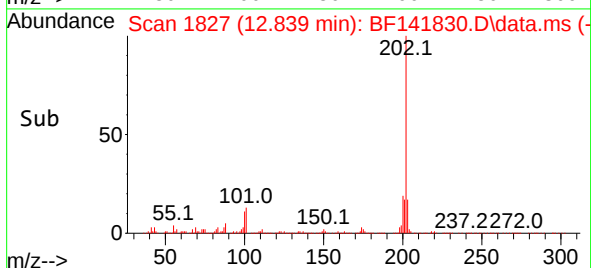
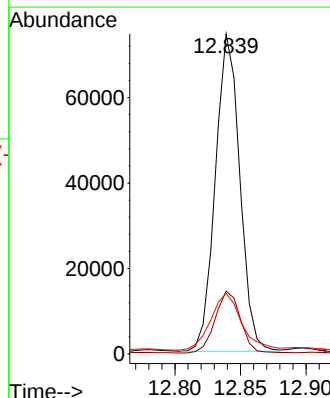
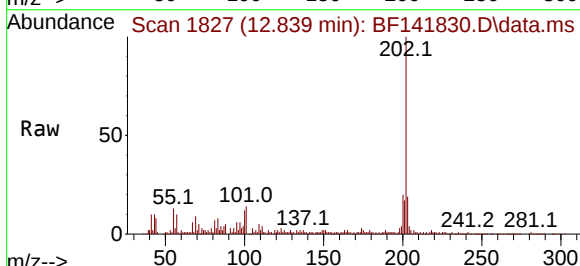
Tgt Ion:202 Resp: 96109

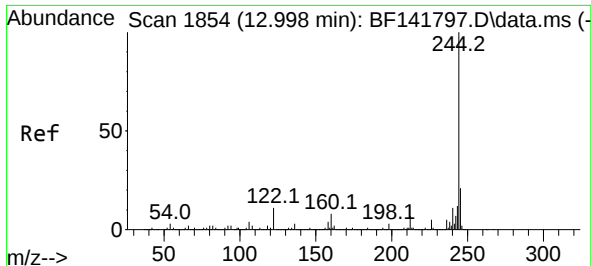
Ion Ratio Lower Upper

202 100

200 19.6 17.4 26.0

203 18.9 14.6 22.0

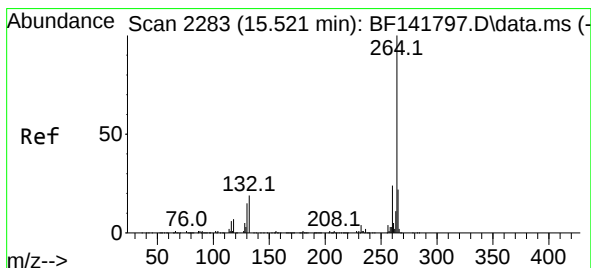
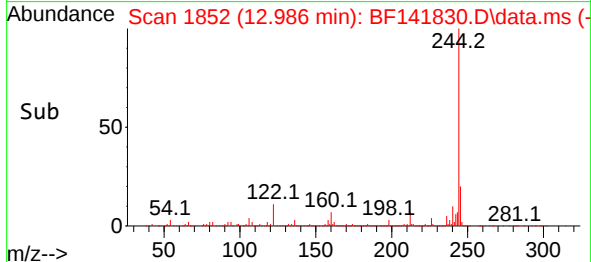
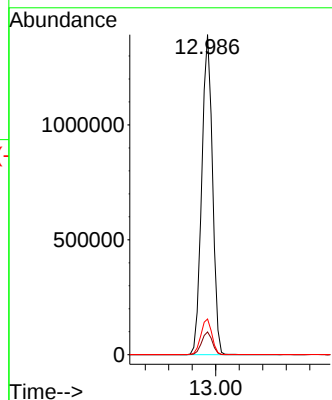
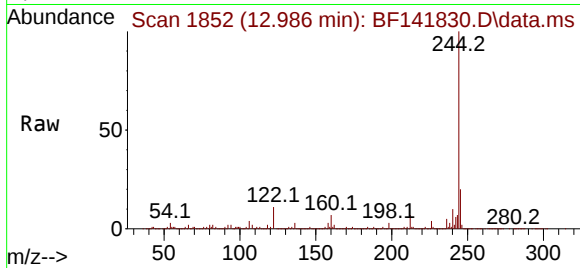




#79
 Terphenyl-d14
 Concen: 57.055 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.012 min
 Lab File: BF141830.D
 Acq: 04 Mar 2025 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:244 Resp: 1764011
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 11.1 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. -0.012 min
 Lab File: BF141830.D
 Acq: 04 Mar 2025 16:47

Tgt Ion:264 Resp: 548329
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 22.0 17.4 26.0

