

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142375.D
 Acq On : 14 May 2025 19:39
 Operator : RC/JU
 Sample : Q2001-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-06-C

Quant Time: May 15 01:03:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

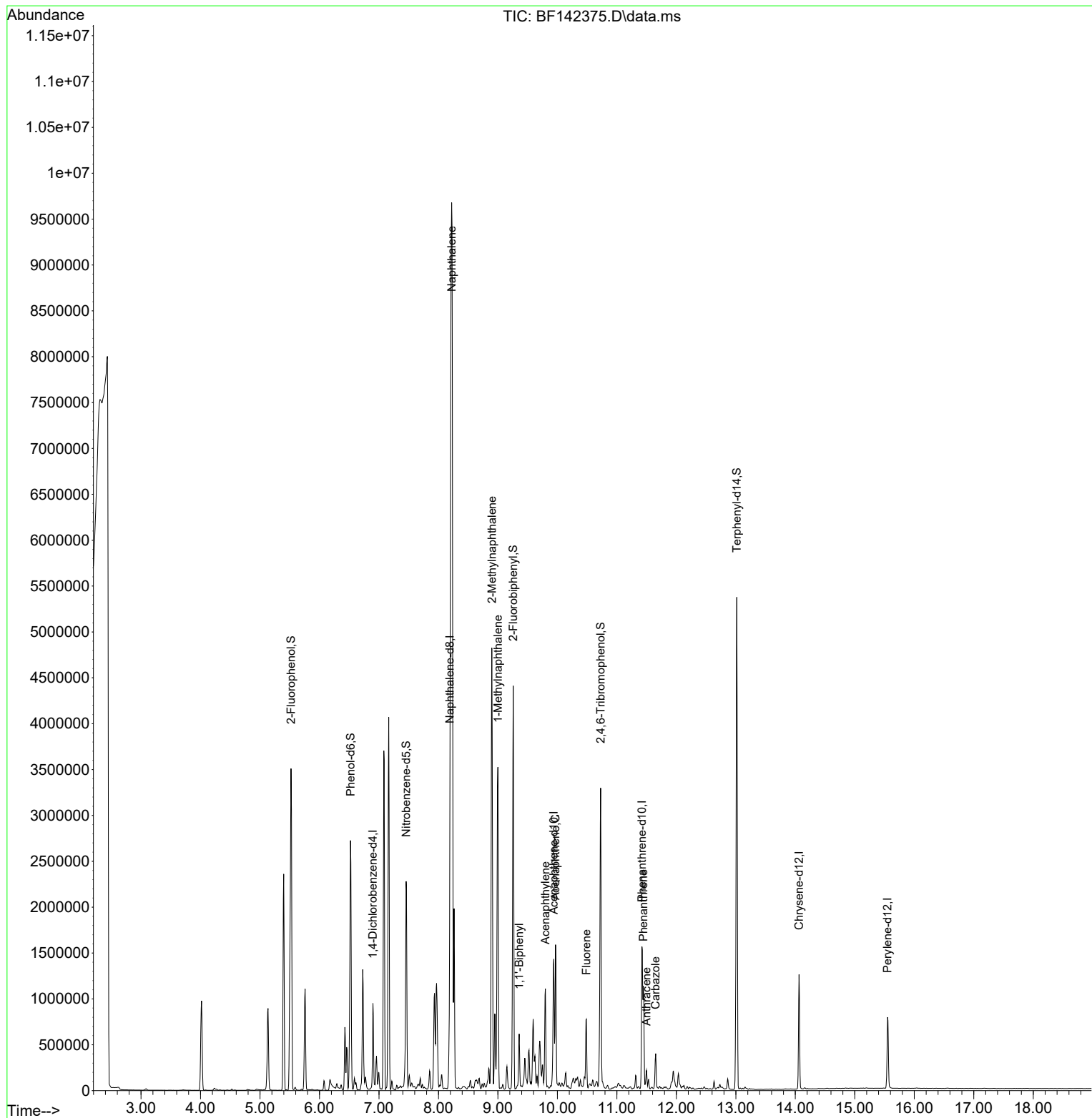
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	196619	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	643807	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	445636	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	829506	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	604563	20.000	ng	0.00
86) Perylene-d12	15.551	264	463034	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1205518	104.665	ng	0.01
7) Phenol-d6	6.522	99	1390811	98.179	ng	0.00
23) Nitrobenzene-d5	7.457	82	998252	94.563	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	656955	152.690	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2114810	67.666	ng	0.00
79) Terphenyl-d14	13.015	244	2831552	69.323	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.222	128	10609886	340.032	ng	# 93
37) 2-Methylnaphthalene	8.898	142	2074928	107.017	ng	97
38) 1-Methylnaphthalene	8.998	142	1425255	70.528	ng	99
46) 1,1'-Biphenyl	9.357	154	269112	7.876	ng	99
49) Acenaphthylene	9.798	152	596663	14.036	ng	99
52) Acenaphthene	9.969	154	488582	19.115	ng	98
58) Fluorene	10.486	166	362146	12.580	ng	96
71) Phenanthrene	11.445	178	581318	13.370	ng	99
72) Anthracene	11.498	178	96151	2.152	ng	99
73) Carbazole	11.651	167	214918	5.362	ng	99

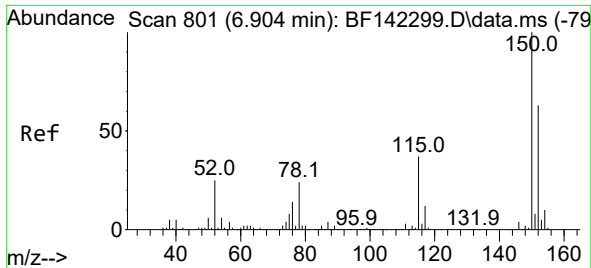
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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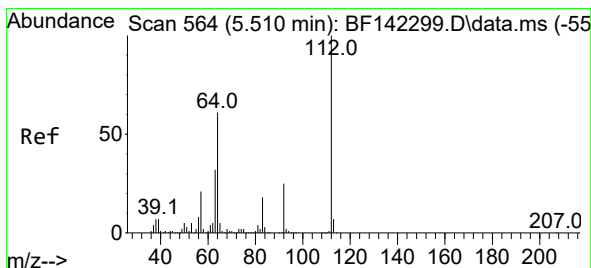
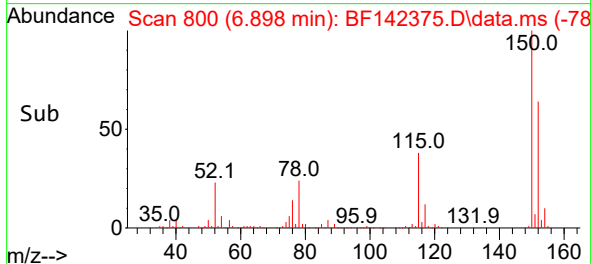
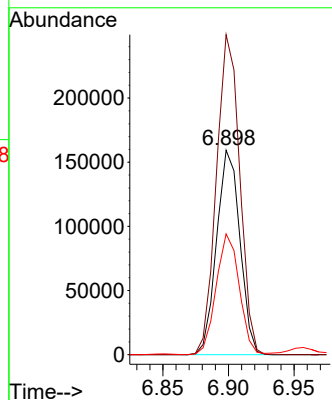
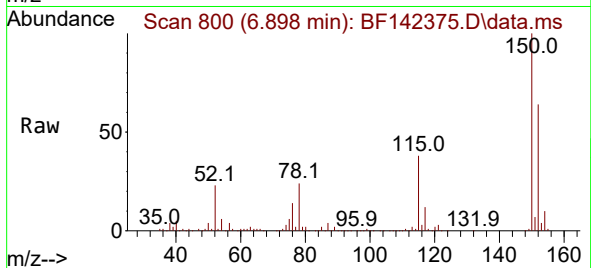




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

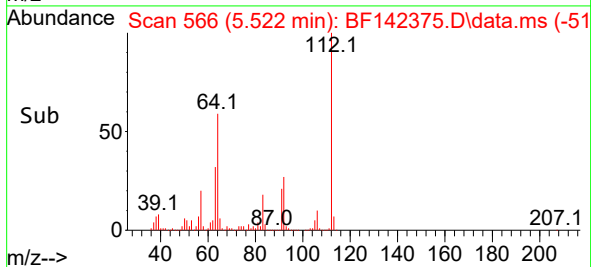
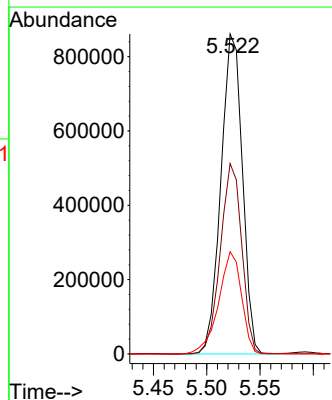
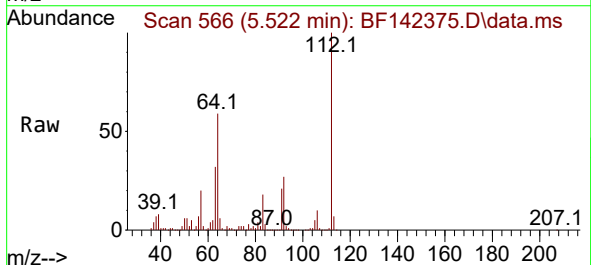
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

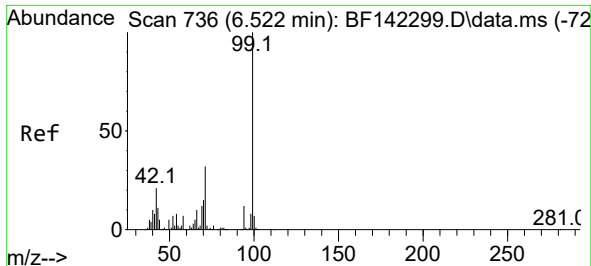
Tgt Ion:152 Resp: 196619
Ion Ratio Lower Upper
152 100
150 156.4 126.6 190.0
115 59.1 47.3 70.9



#5
2-Fluorophenol
Concen: 104.665 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:112 Resp: 1205518
Ion Ratio Lower Upper
112 100
64 59.5 48.9 73.3
63 31.9 25.6 38.4

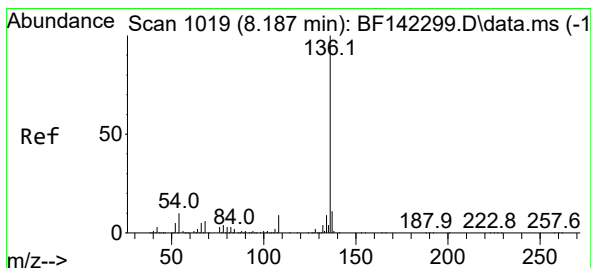
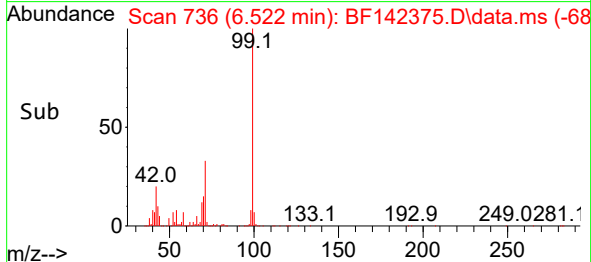
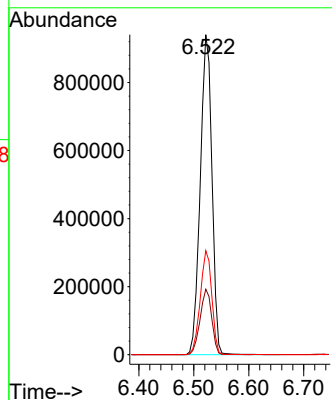
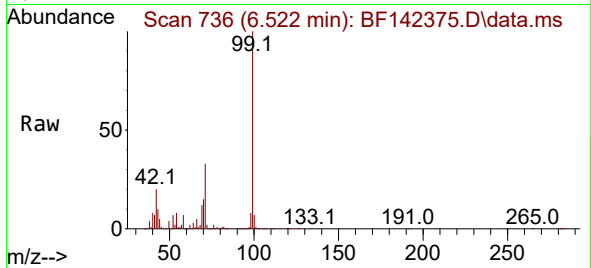




#7
Phenol-d6
Concen: 98.179 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

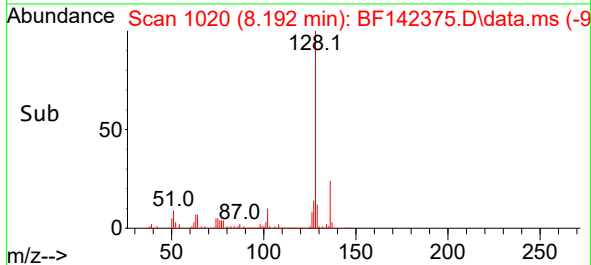
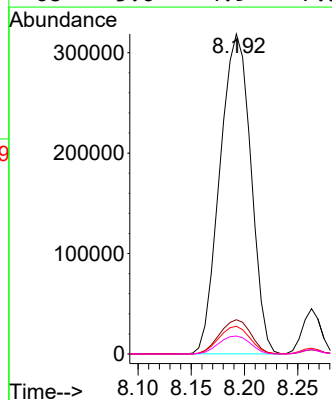
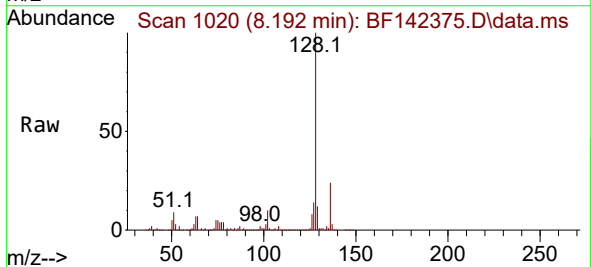
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

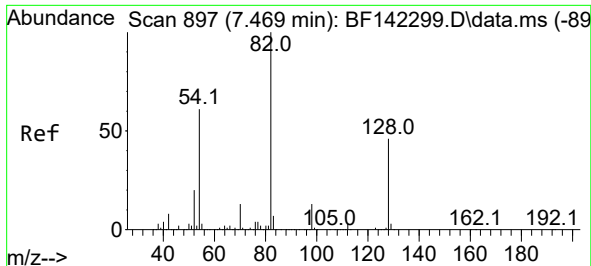
Tgt Ion: 99 Resp: 1390811
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 32.5 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion: 136 Resp: 643807
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.6 7.7 11.5
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 94.563 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

Instrument :

BNA_F

ClientSampleId :

WC-A1-06-C

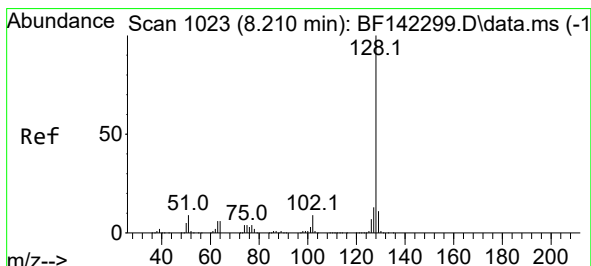
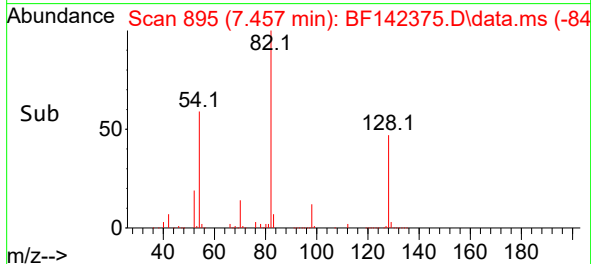
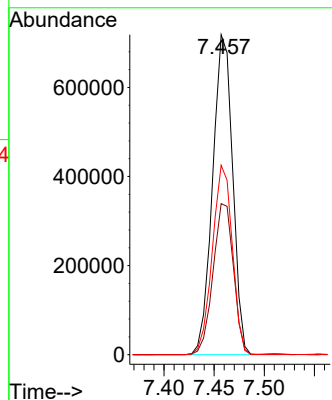
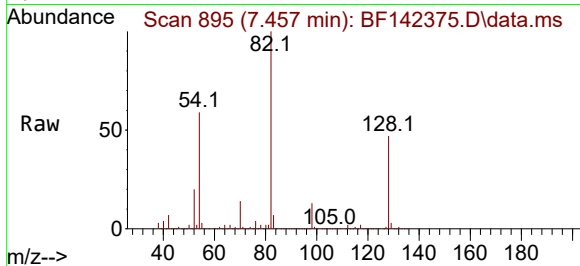
Tgt Ion: 82 Resp: 998252

Ion Ratio Lower Upper

82 100

128 47.2 37.0 55.6

54 59.2 48.6 73.0



#31

Naphthalene

Concen: 340.032 ng

RT: 8.222 min Scan# 1025

Delta R.T. 0.012 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

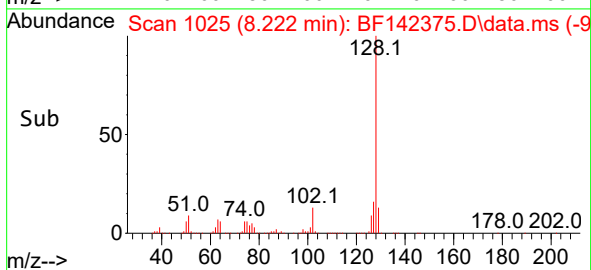
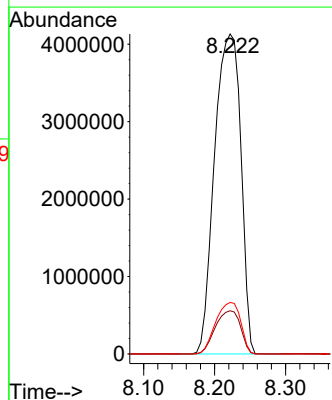
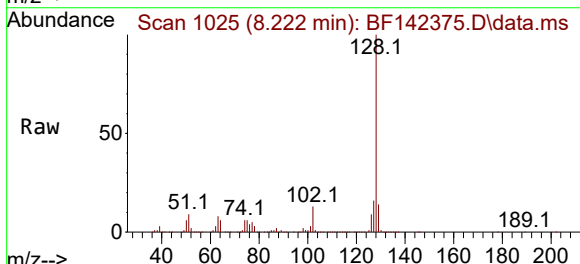
Tgt Ion:128 Resp:10609886

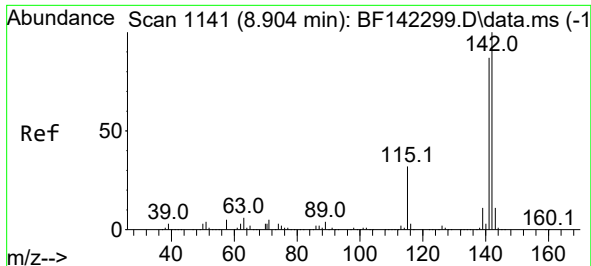
Ion Ratio Lower Upper

128 100

129 13.5 9.1 13.7

127 16.1 10.5 15.7#

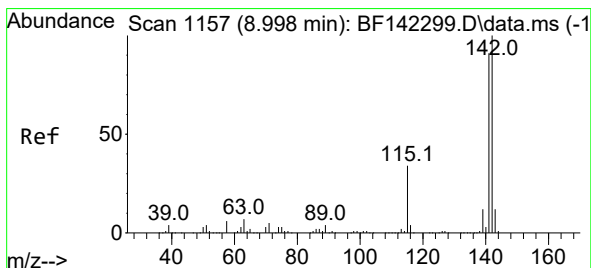
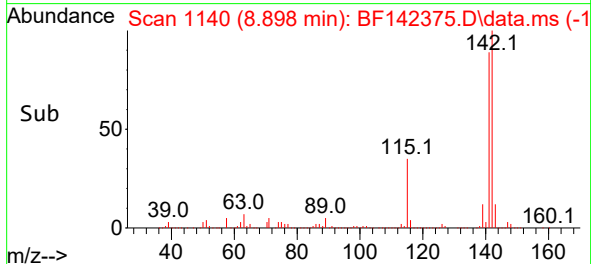
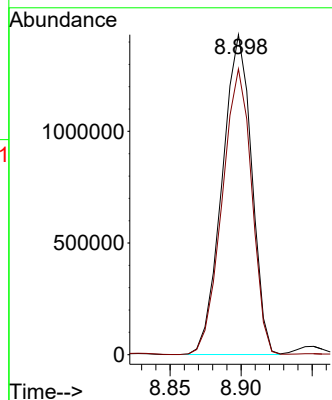
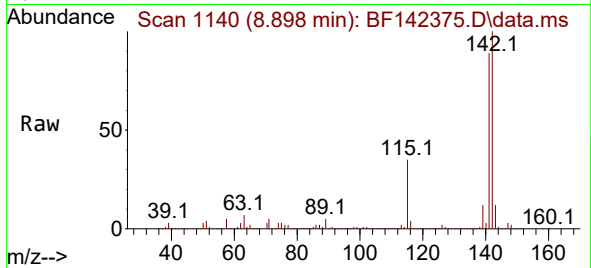




#37
2-Methylnaphthalene
Concen: 107.017 ng
RT: 8.898 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

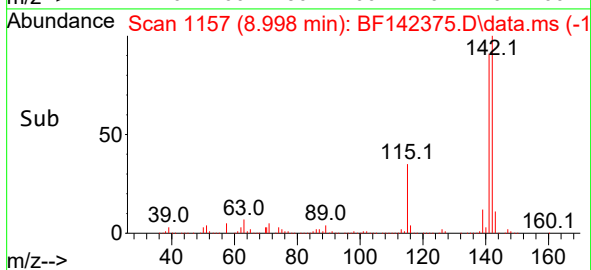
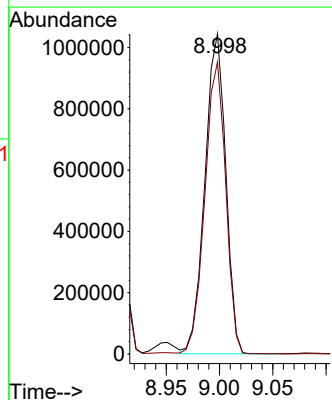
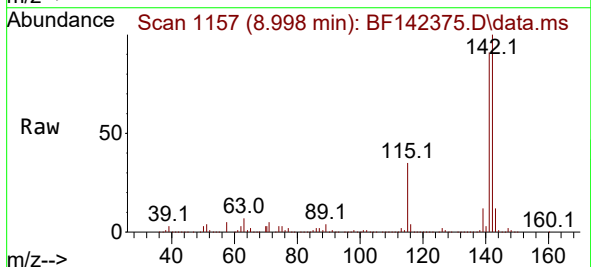
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

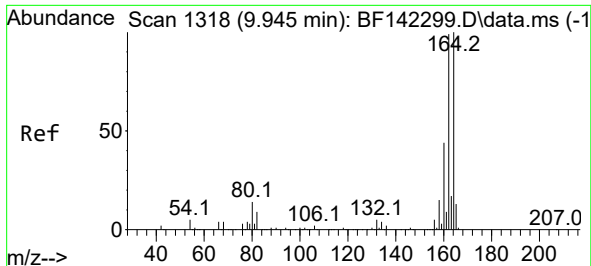
Tgt Ion:142 Resp: 2074928
Ion Ratio Lower Upper
142 100
141 89.3 69.4 104.2



#38
1-Methylnaphthalene
Concen: 70.528 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:142 Resp: 1425255
Ion Ratio Lower Upper
142 100
141 91.2 72.5 108.7

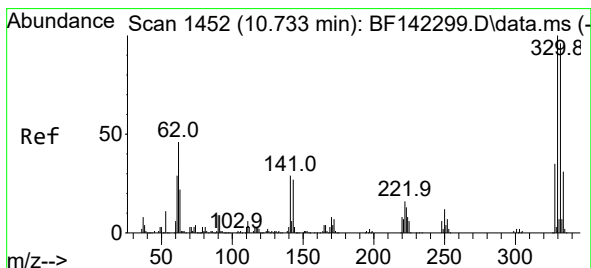
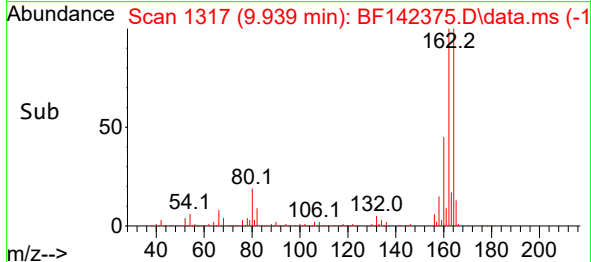
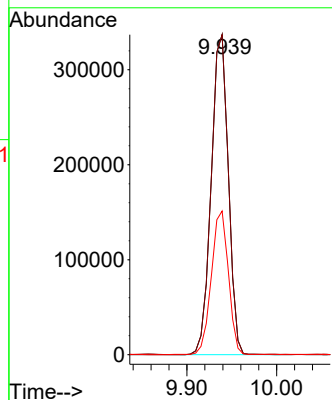
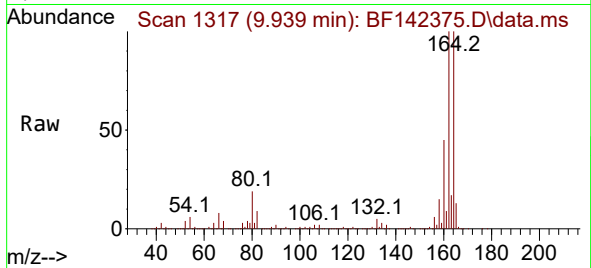




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

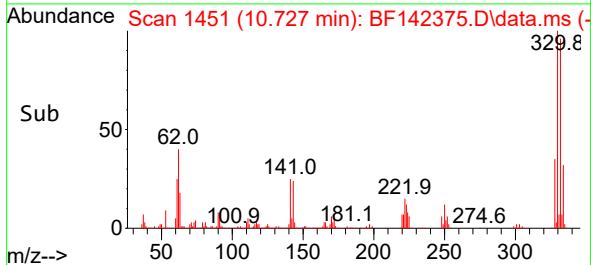
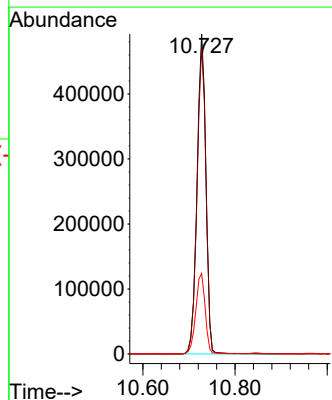
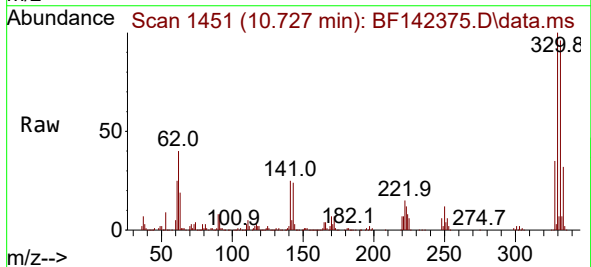
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

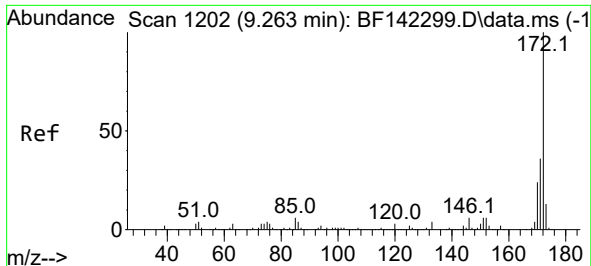
Tgt Ion:164 Resp: 445636
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 44.9 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 152.690 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:330 Resp: 656955
Ion Ratio Lower Upper
330 100
332 96.4 76.8 115.2
141 26.5 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 67.666 ng

RT: 9.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

Instrument :

BNA_F

ClientSampleId :

WC-A1-06-C

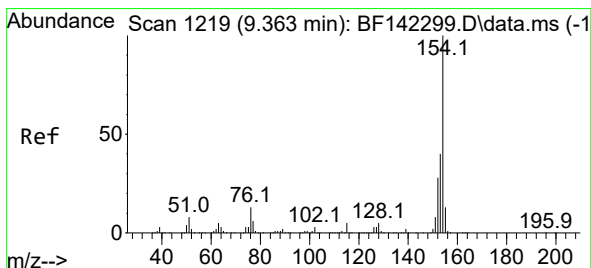
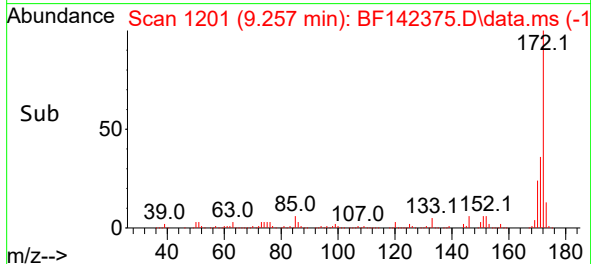
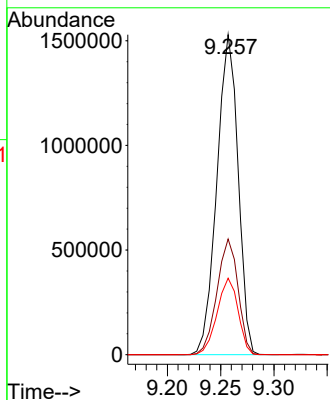
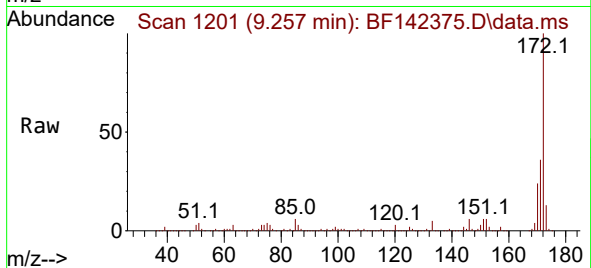
Tgt Ion:172 Resp: 2114810

Ion Ratio Lower Upper

172 100

171 36.1 28.6 42.8

170 23.9 19.0 28.4



#46

1,1'-Biphenyl

Concen: 7.876 ng

RT: 9.357 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

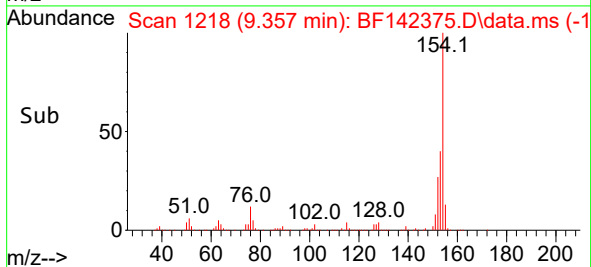
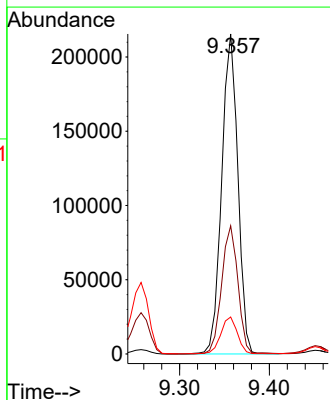
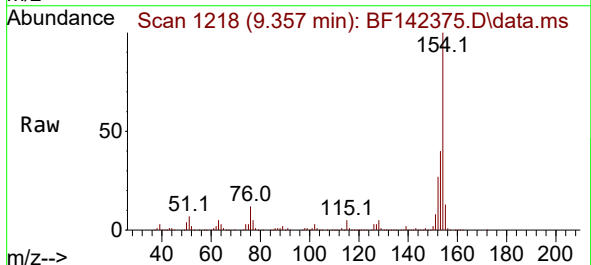
Tgt Ion:154 Resp: 269112

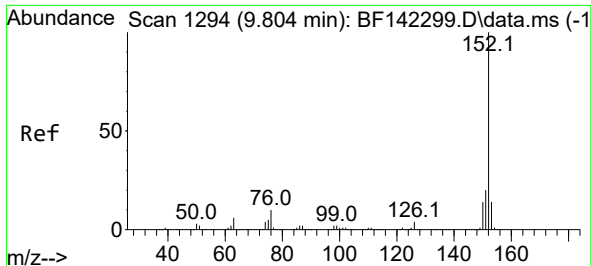
Ion Ratio Lower Upper

154 100

153 40.1 20.5 60.5

76 11.6 0.0 32.8





#49

Acenaphthylene

Concen: 14.036 ng

RT: 9.798 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

Instrument :

BNA_F

ClientSampleId :

WC-A1-06-C

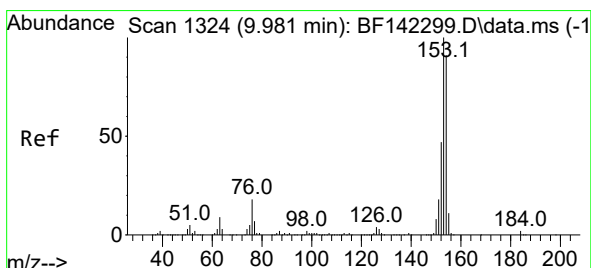
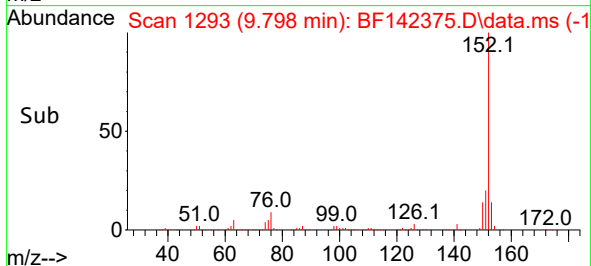
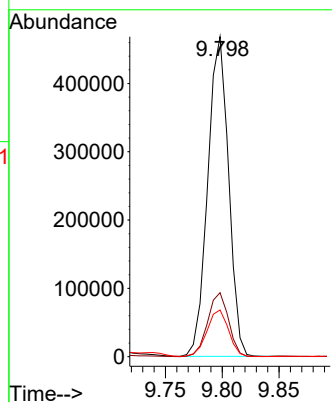
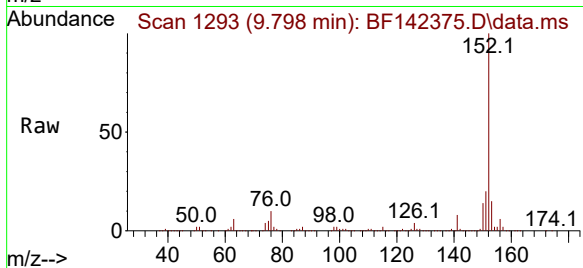
Tgt Ion:152 Resp: 596663

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 14.6 10.8 16.2



#52

Acenaphthene

Concen: 19.115 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

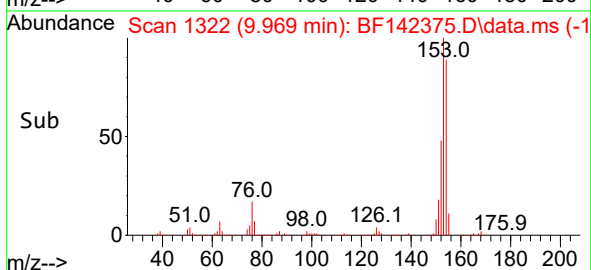
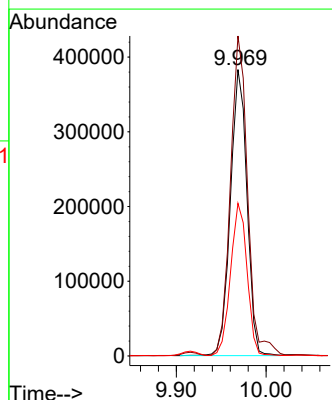
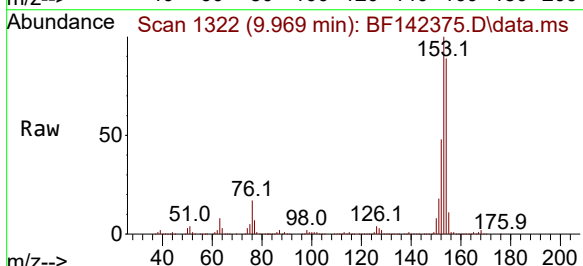
Tgt Ion:154 Resp: 488582

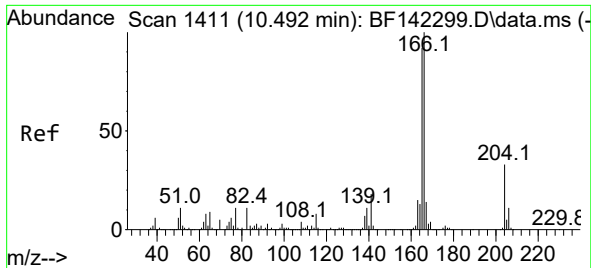
Ion Ratio Lower Upper

154 100

153 111.7 88.0 132.0

152 53.3 41.6 62.4

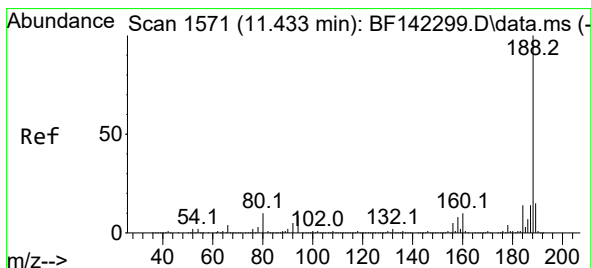
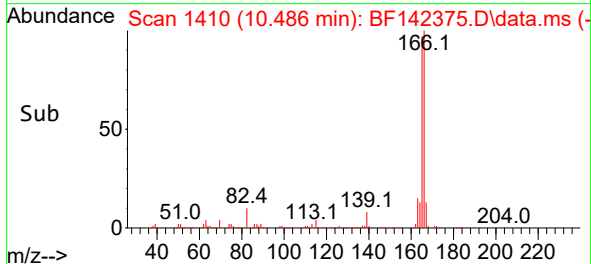
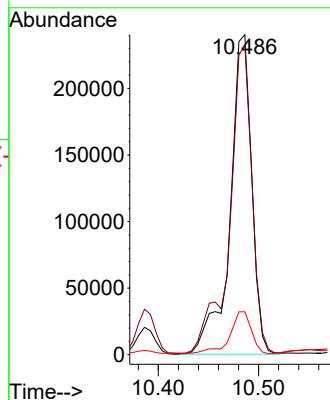
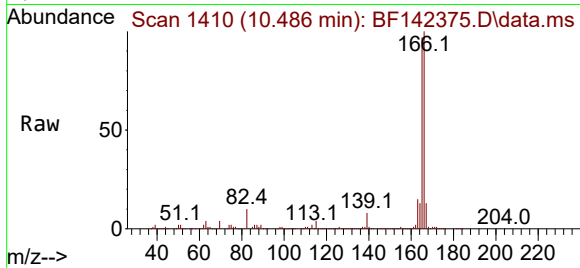




#58
Fluorene
Concen: 12.580 ng
RT: 10.486 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

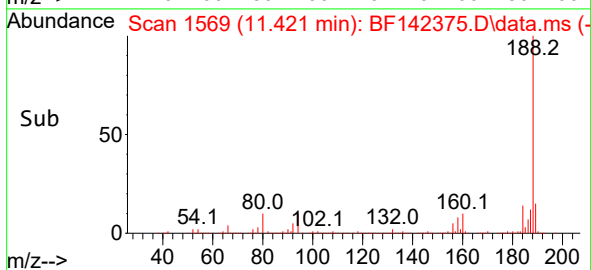
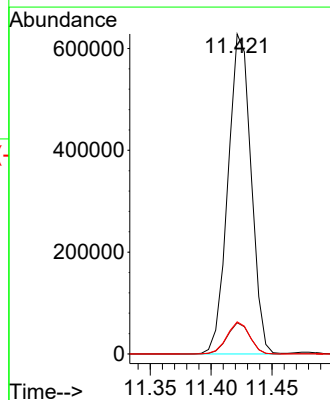
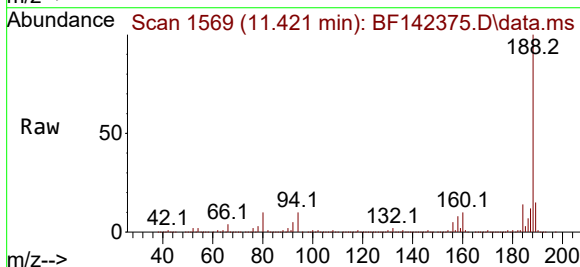
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

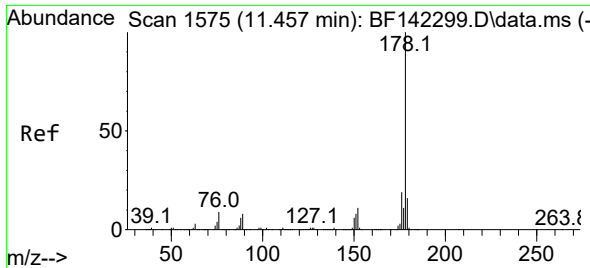
Tgt Ion:166 Resp: 362146
Ion Ratio Lower Upper
166 100
165 96.7 74.0 111.0
167 13.4 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:188 Resp: 829506
Ion Ratio Lower Upper
188 100
94 9.7 7.5 11.3
80 10.1 7.9 11.9

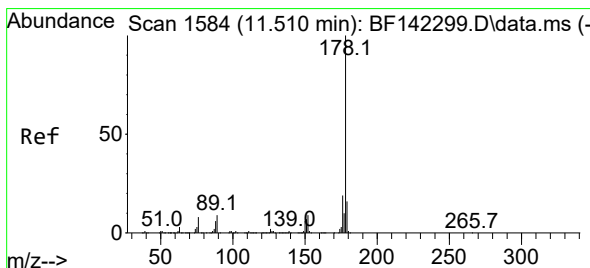
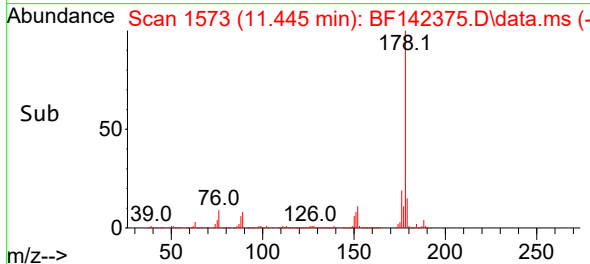
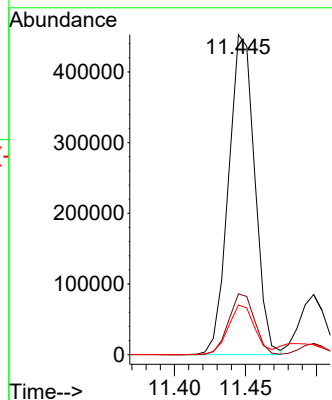
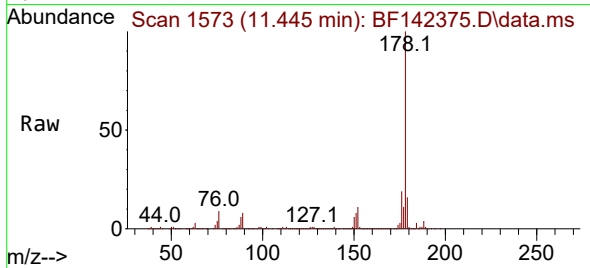




#71
Phenanthrene
Concen: 13.370 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

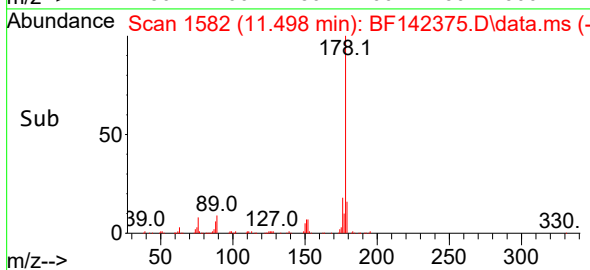
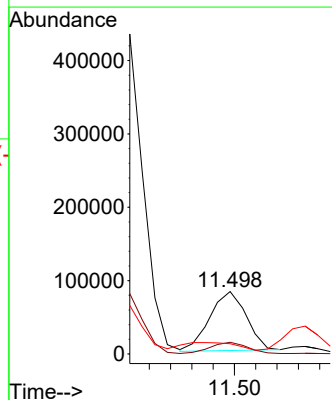
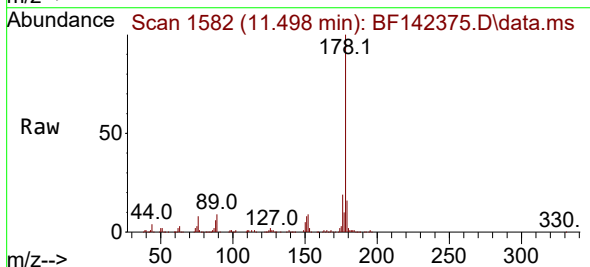
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

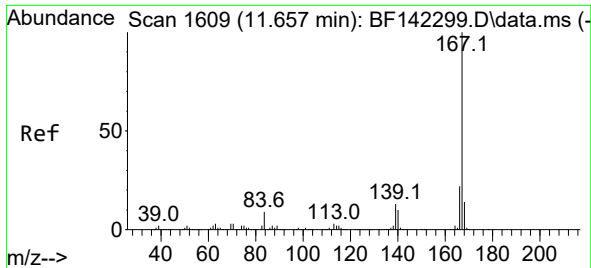
Tgt Ion:178 Resp: 581318
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.5 12.6 18.8



#72
Anthracene
Concen: 2.152 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:178 Resp: 96151
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 16.4 12.6 18.8

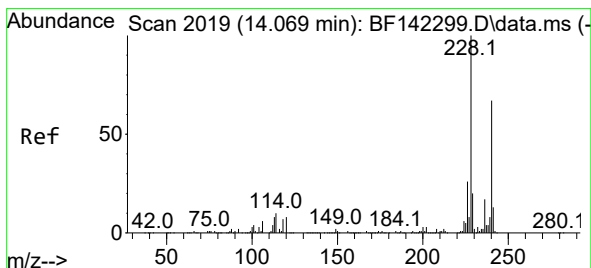
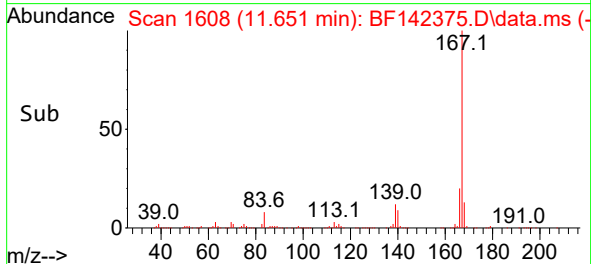
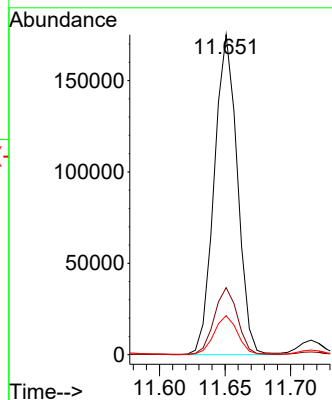
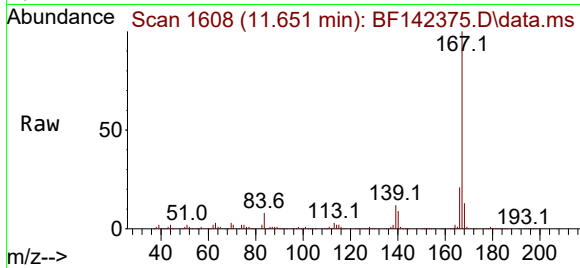




#73
 Carbazole
 Concen: 5.362 ng
 RT: 11.651 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF142375.D
 Acq: 14 May 2025 19:39

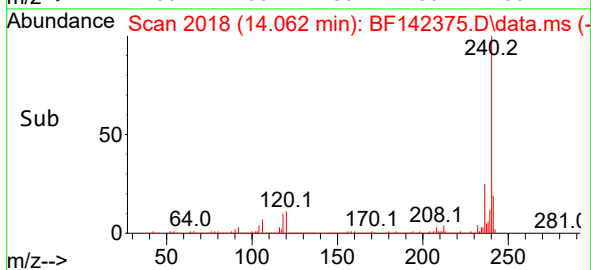
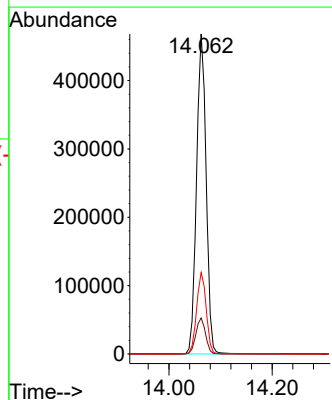
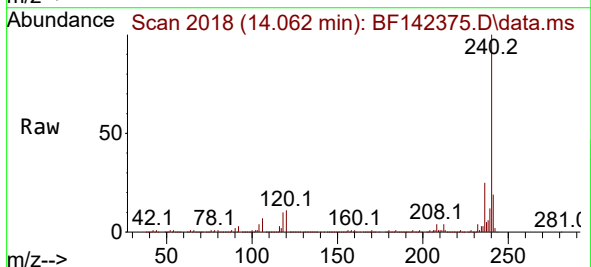
Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-06-C

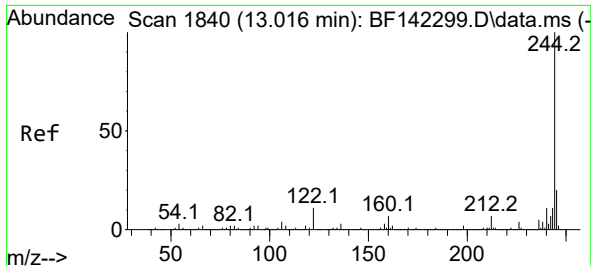
Tgt Ion:167 Resp: 214918
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.2 10.3 15.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.062 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF142375.D
 Acq: 14 May 2025 19:39

Tgt Ion:240 Resp: 604563
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.7 14.5
 236 25.5 20.0 30.0

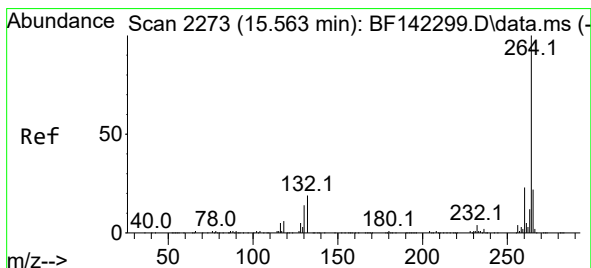
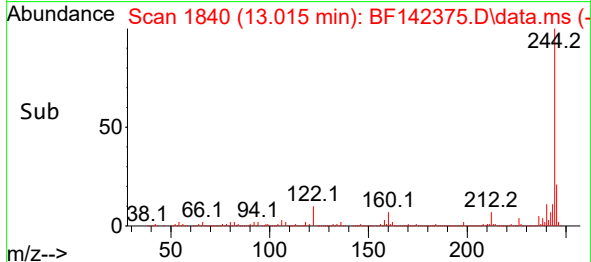
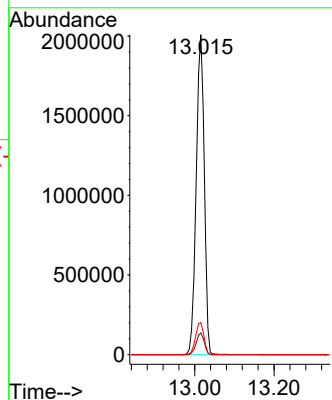
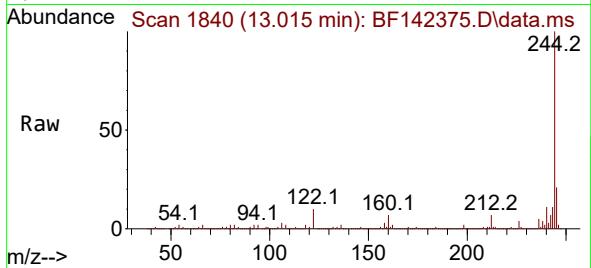




#79
 Terphenyl-d14
 Concen: 69.323 ng
 RT: 13.015 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: BF142375.D
 Acq: 14 May 2025 19:39

Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-06-C

Tgt Ion:244 Resp: 2831552
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.1 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2271
 Delta R.T. -0.012 min
 Lab File: BF142375.D
 Acq: 14 May 2025 19:39

Tgt Ion:264 Resp: 463034
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 27.8
 265 21.6 17.5 26.3

