

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142179.D
 Acq On : 31 Mar 2025 14:29
 Operator : RC/JU
 Sample : Q1657-01DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11998DL

Quant Time: Mar 31 15:04:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

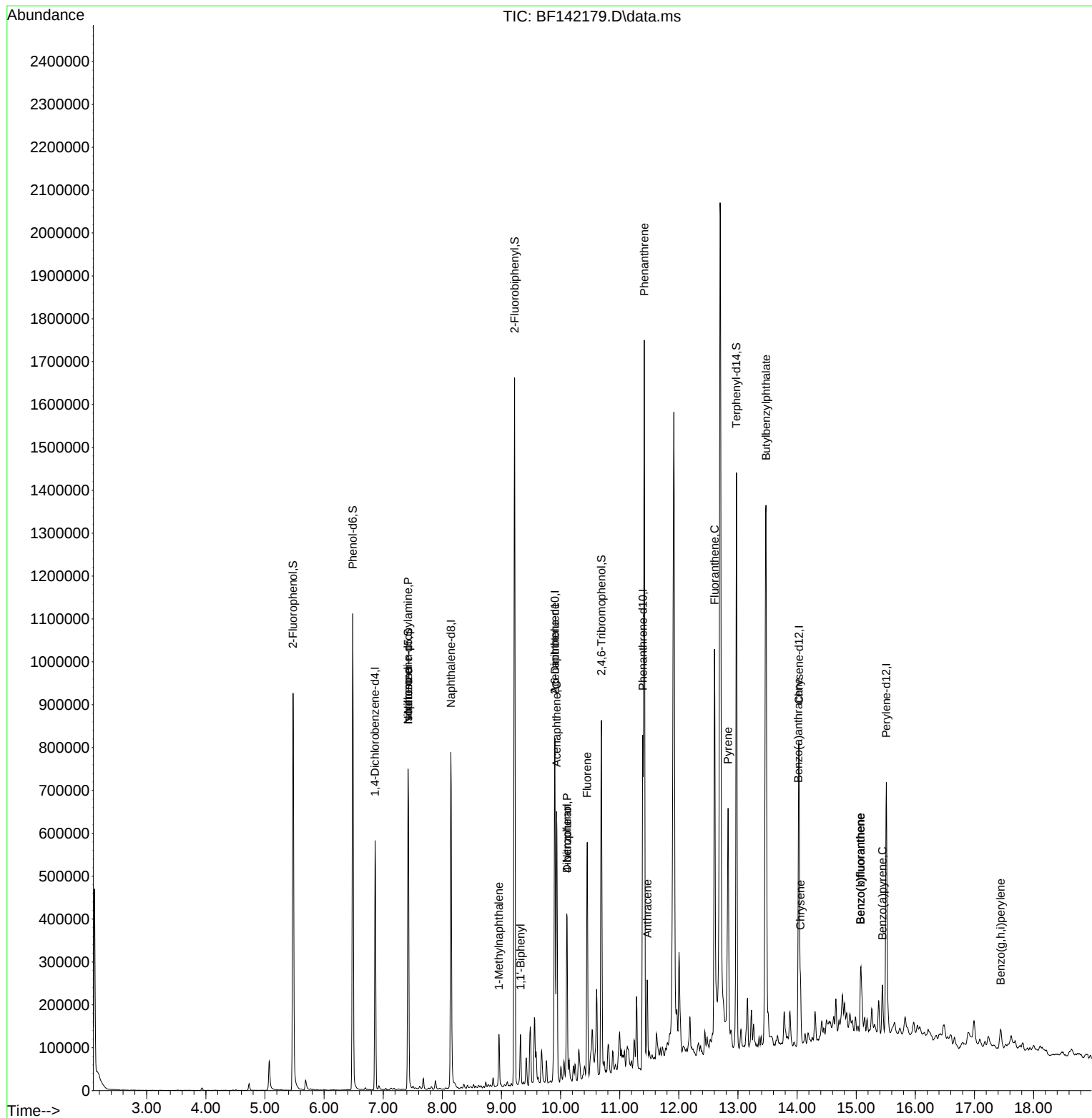
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	125778	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	504358	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	238522	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	393426	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	294471	20.000	ng	0.00
86) Perylene-d12	15.509	264	356799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	396112	52.560	ng	-0.02
7) Phenol-d6	6.487	99	526180	54.837	ng	-0.02
23) Nitrobenzene-d5	7.422	82	337724	37.683	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	133744	44.199	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	712909	45.455	ng	-0.02
79) Terphenyl-d14	12.974	244	639710	32.118	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	45700	7.412	ng	# 77
25) Isophorone	7.422	82	329330	20.788	ng	# 64
38) 1-Methylnaphthalene	8.957	142	46200	2.765	ng	98
46) 1,1'-Biphenyl	9.322	154	52445	2.894	ng	98
51) 2,6-Dinitrotoluene	9.904	165	37833	10.879	ng	# 23
52) Acenaphthene	9.933	154	193765	13.755	ng	99
55) Dibenzofuran	10.110	168	201854	10.028	ng	97
56) 4-Nitrophenol	10.110	139	81093	30.482	ng	# 5
58) Fluorene	10.451	166	211143	13.602	ng	100
71) Phenanthrene	11.416	178	899145	42.312	ng	99
72) Anthracene	11.469	178	119918	5.625	ng	99
75) Fluoranthene	12.604	202	448021	19.875	ng	100
78) Pyrene	12.833	202	319010	12.524	ng	98
80) Butylbenzylphthalate	13.474	149	254729	25.550	ng	# 25
81) Benzo(a)anthracene	14.021	228	115598	5.982	ng	99
83) Chrysene	14.057	228	85550	4.884	ng	97
88) Benzo(b)fluoranthene	15.074	252	131091	5.361	ng	# 97
89) Benzo(k)fluoranthene	15.074	252	131091	6.264	ng	98
90) Benzo(a)pyrene	15.445	252	72552	3.792	ng	98
92) Benzo(g,h,i)perylene	17.445	276	42699	2.269	ng	98

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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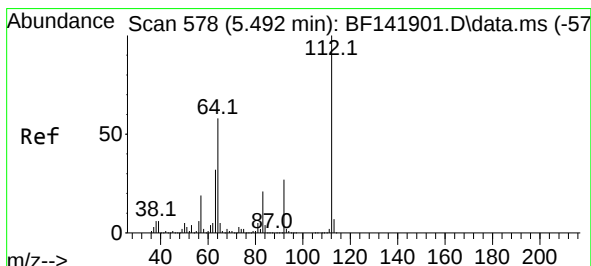
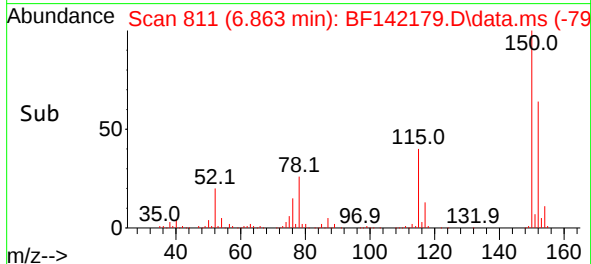
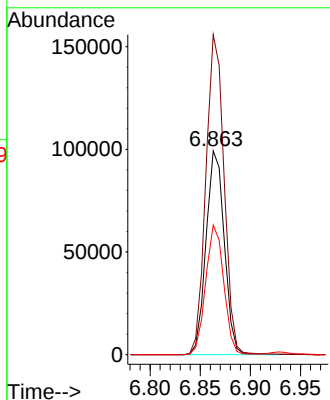
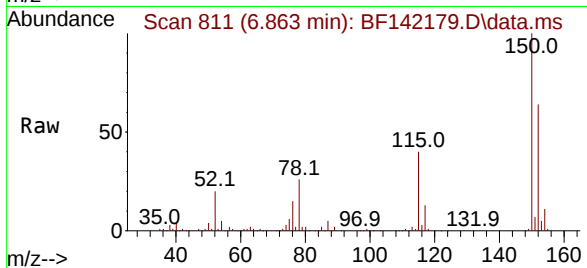




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

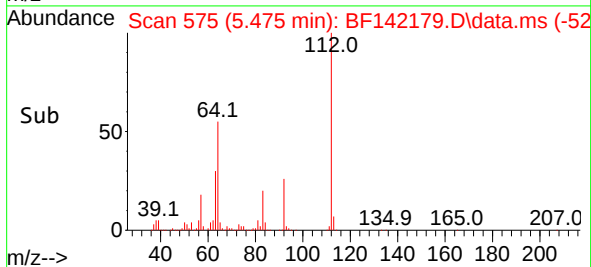
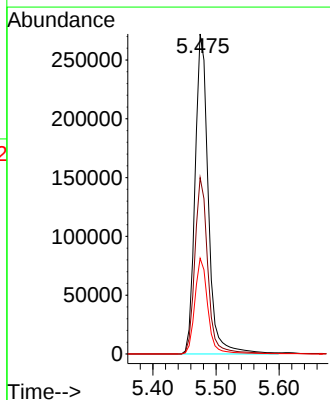
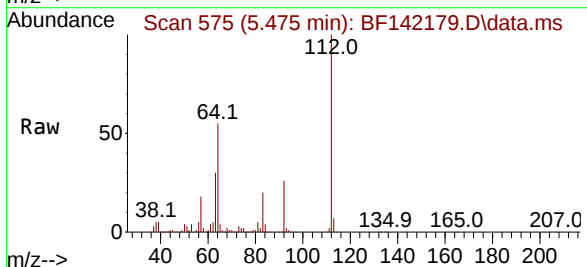
Instrument :
BNA_F
ClientSampleId :
72-11998DL

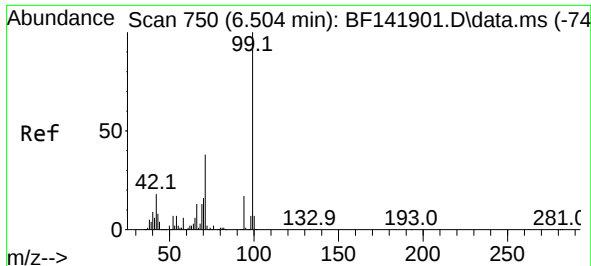
Tgt Ion:152 Resp: 125778
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.2
115 63.6 51.9 77.9



#5
2-Fluorophenol
Concen: 52.560 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:112 Resp: 396112
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 29.9 25.4 38.2

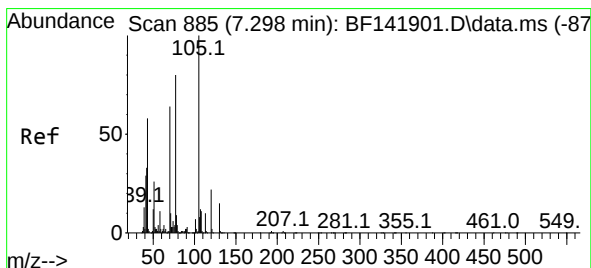
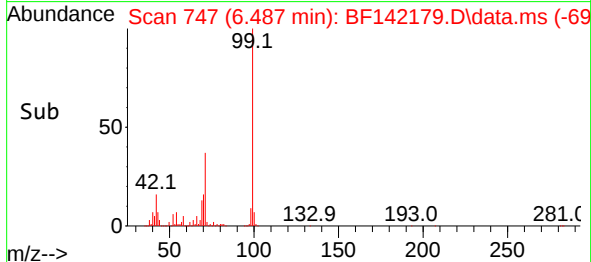
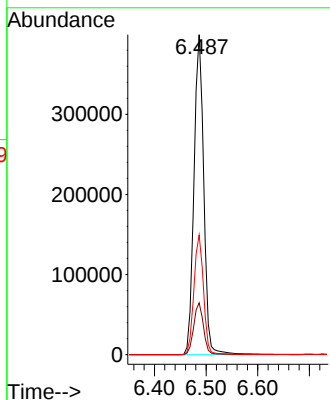
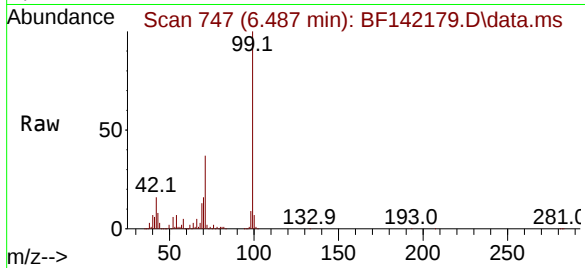




#7
Phenol-d6
Concen: 54.837 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

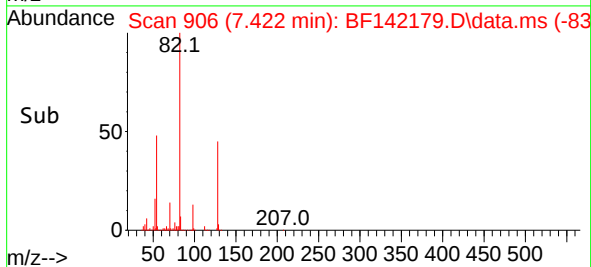
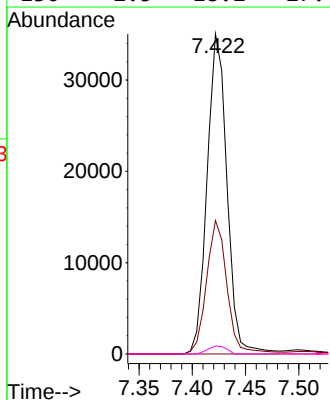
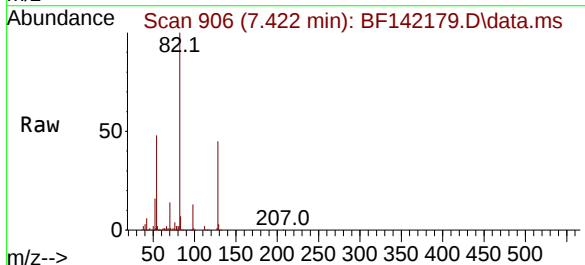
Instrument :
BNA_F
ClientSampleId :
72-11998DL

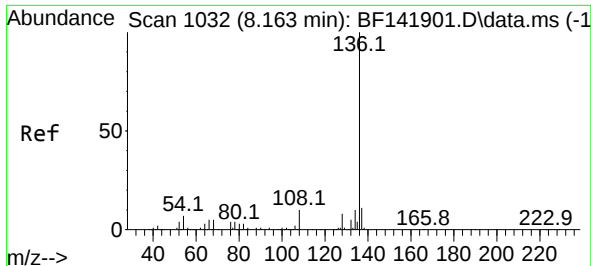
Tgt Ion: 99 Resp: 526180
Ion Ratio Lower Upper
99 100
42 16.2 14.6 21.8
71 37.4 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 7.412 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.124 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion: 70 Resp: 45700
Ion Ratio Lower Upper
70 100
42 41.7 41.4 62.0
101 0.0 8.2 12.2#
130 2.5 18.2 27.4#

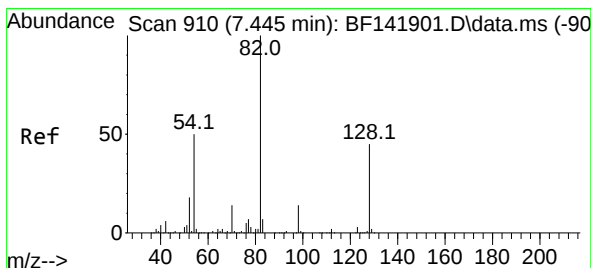
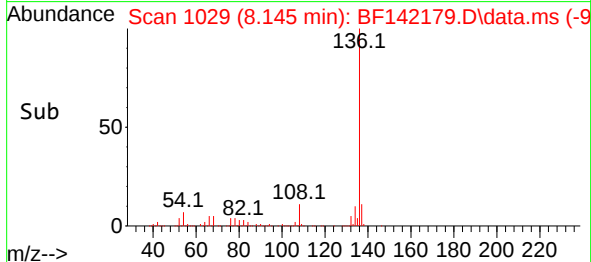
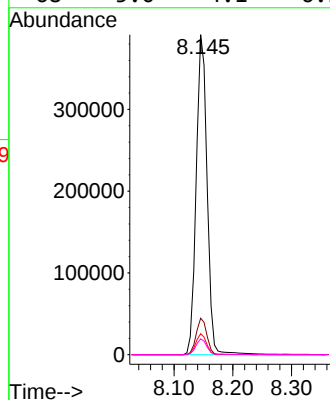
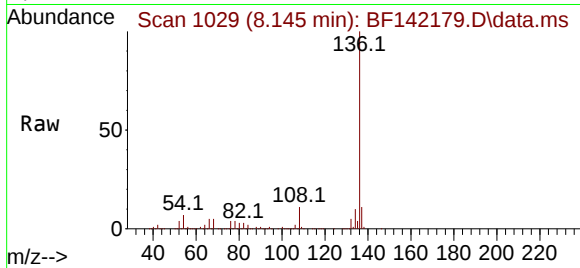




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

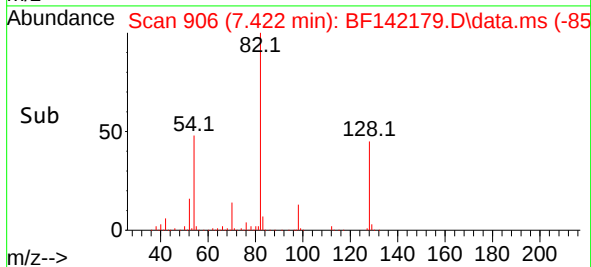
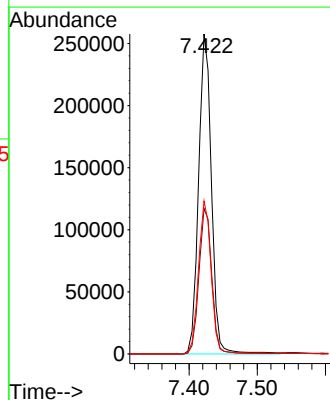
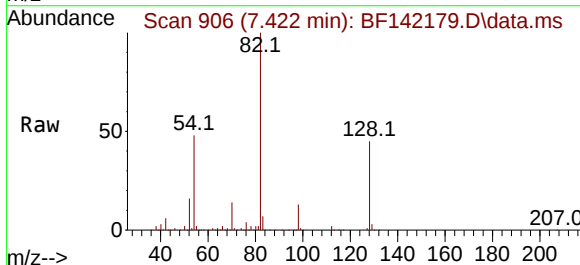
Instrument :
BNA_F
ClientSampleId :
72-11998DL

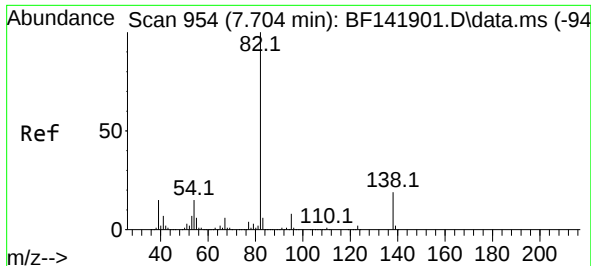
Tgt Ion:	136	Resp:	504358
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	6.6	5.8	8.8
68	5.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 37.683 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.024 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:	82	Resp:	337724
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.0	54.0
54	47.8	39.6	59.4

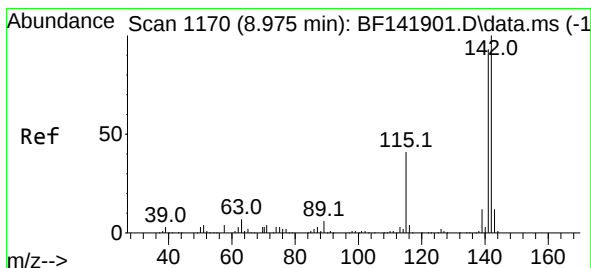
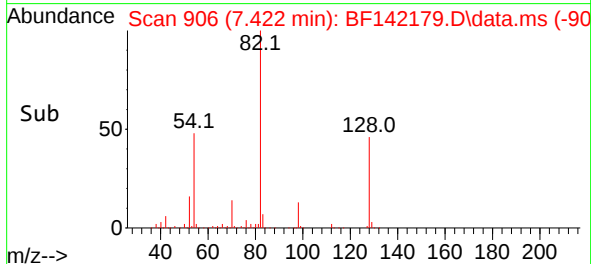
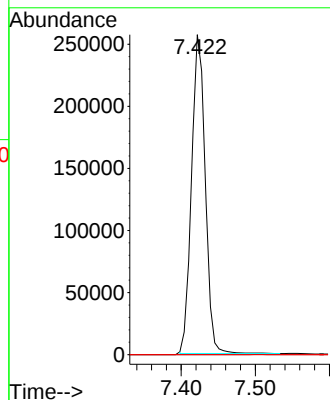
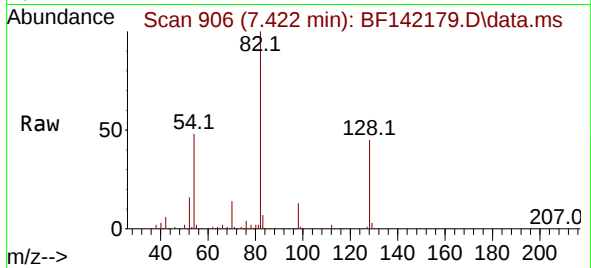




#25
Isophorone
Concen: 20.788 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.282 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

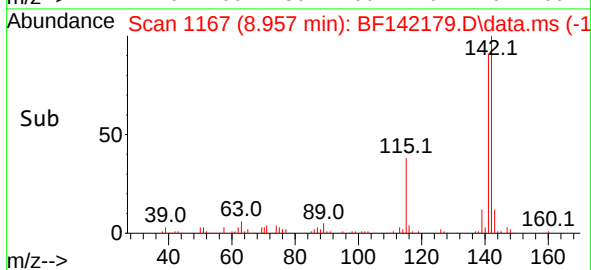
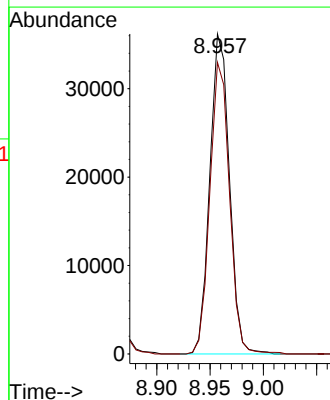
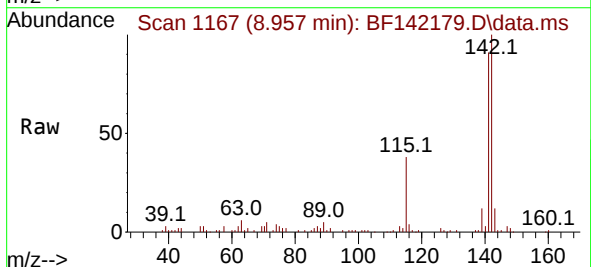
Instrument :
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ClientSampleId :
72-11998DL

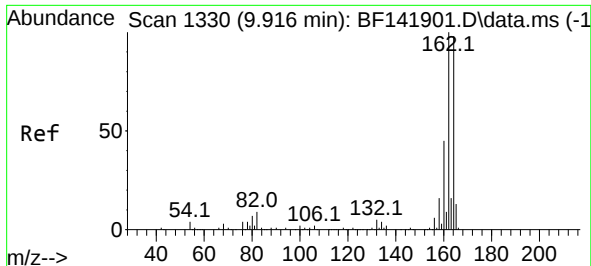
Tgt Ion: 82 Resp: 329330
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#38
1-Methylnaphthalene
Concen: 2.765 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion: 142 Resp: 46200
Ion Ratio Lower Upper
142 100
141 91.1 74.2 111.4

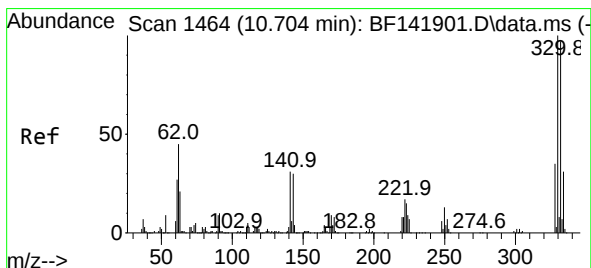
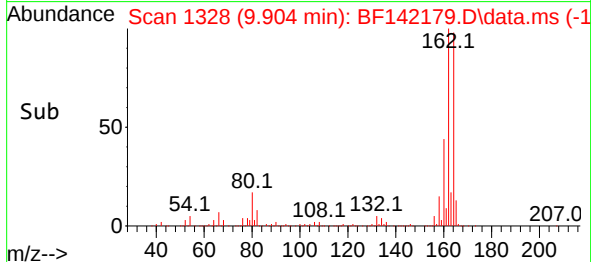
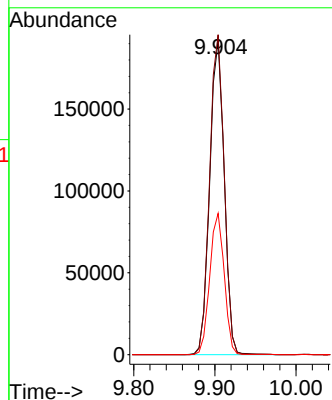
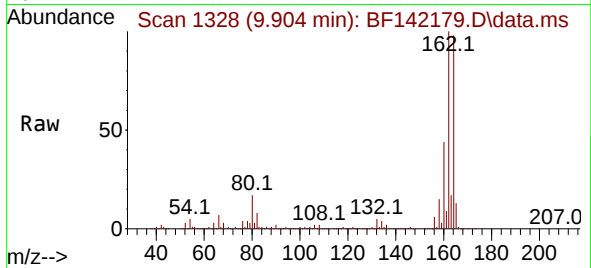




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

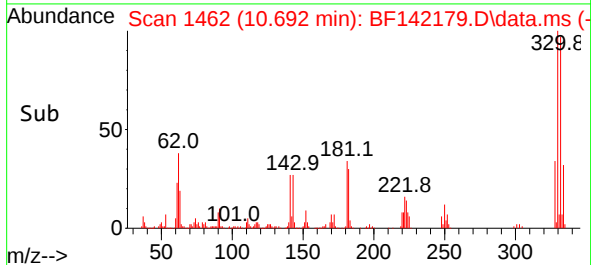
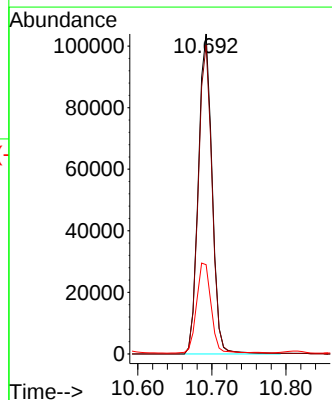
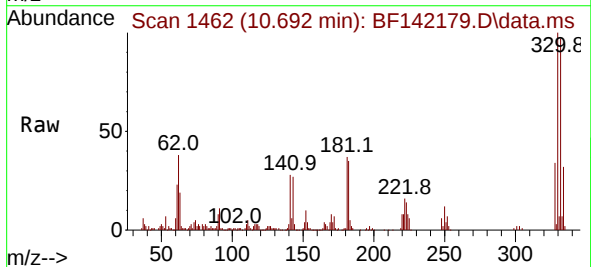
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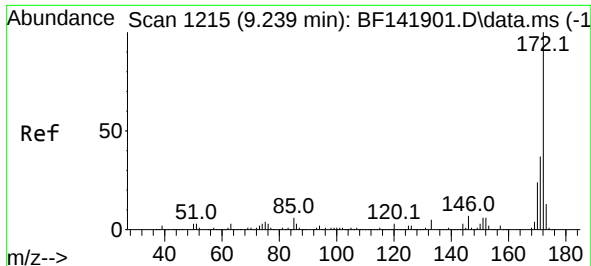
Tgt Ion:164 Resp: 238522
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.6
160 45.0 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 44.199 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:330 Resp: 133744
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 29.6 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 45.455 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

72-11998DL

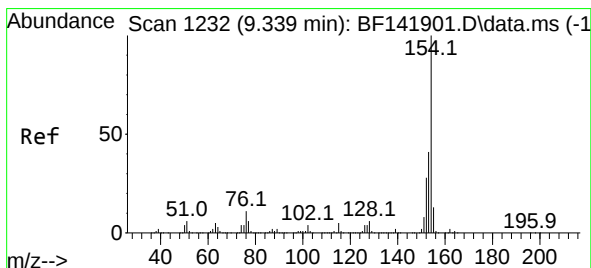
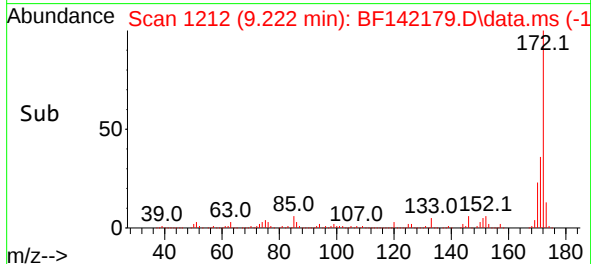
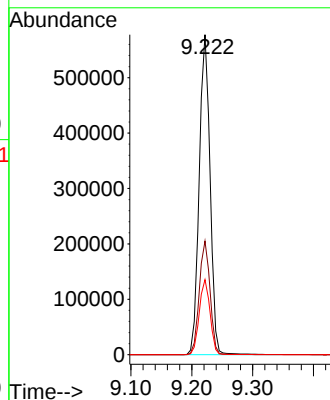
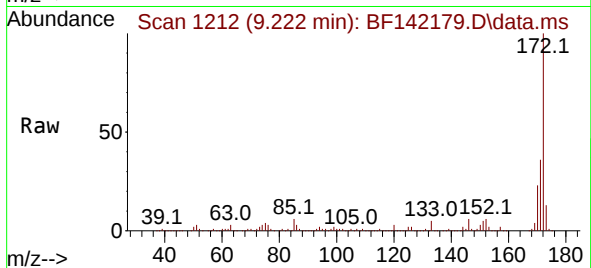
Tgt Ion:172 Resp: 712909

Ion Ratio Lower Upper

172 100

171 35.5 29.3 43.9

170 23.5 19.4 29.0



#46

1,1'-Biphenyl

Concen: 2.894 ng

RT: 9.322 min Scan# 1229

Delta R.T. -0.018 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

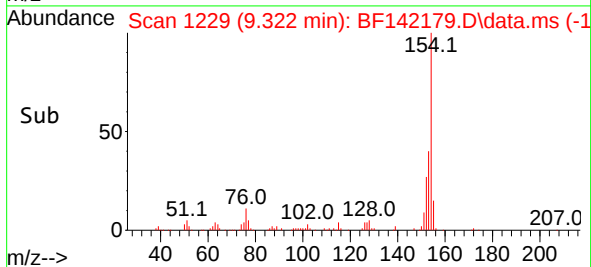
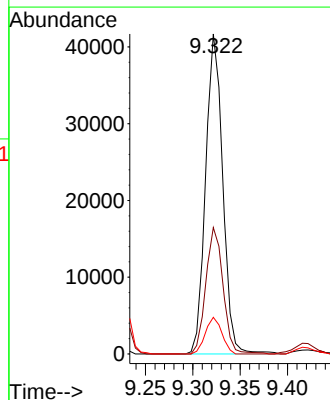
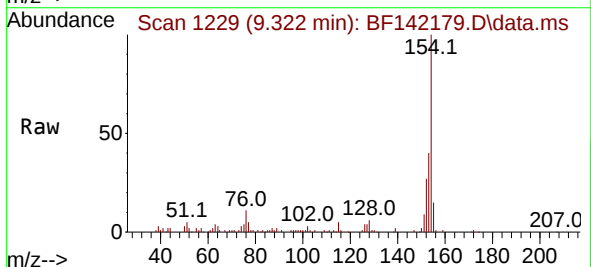
Tgt Ion:154 Resp: 52445

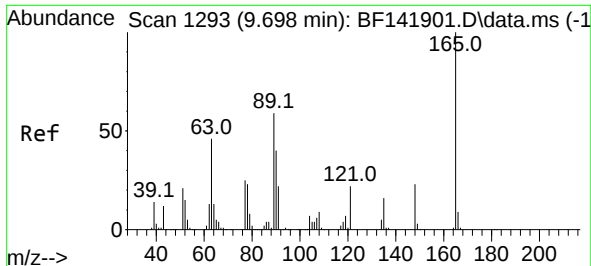
Ion Ratio Lower Upper

154 100

153 39.5 21.1 61.1

76 11.5 0.0 31.3





#51

2,6-Dinitrotoluene

Concen: 10.879 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

72-11998DL

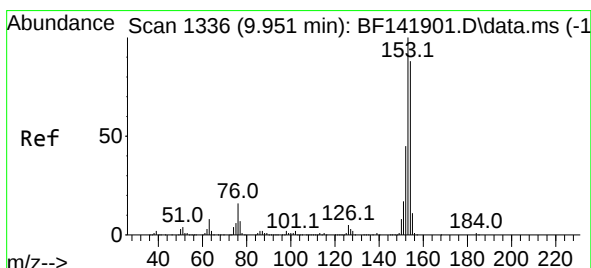
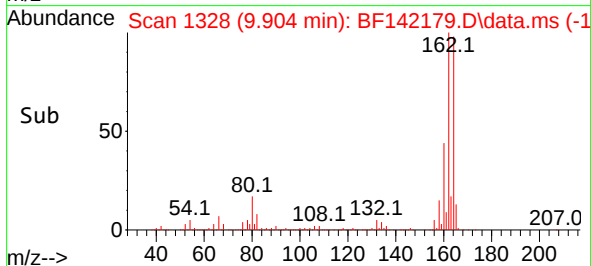
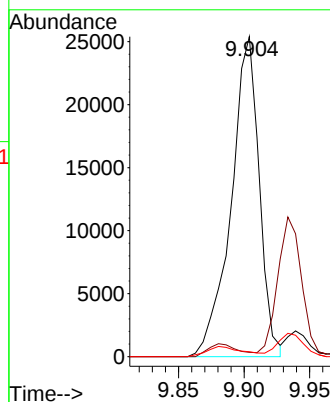
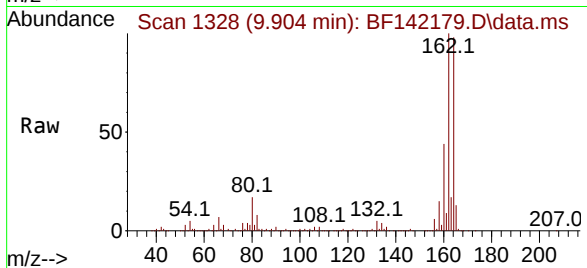
Tgt Ion:165 Resp: 37833

Ion Ratio Lower Upper

165 100

63 1.3 47.0 70.4#

89 1.6 47.4 71.2#



#52

Acenaphthene

Concen: 13.755 ng

RT: 9.933 min Scan# 1333

Delta R.T. -0.018 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

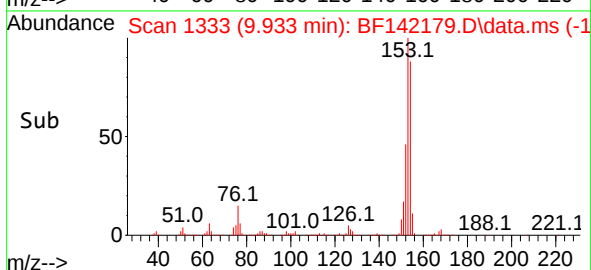
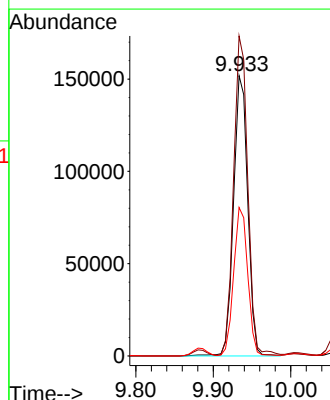
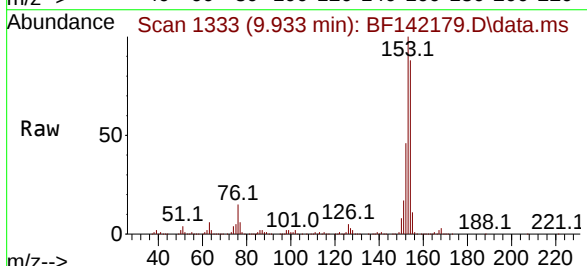
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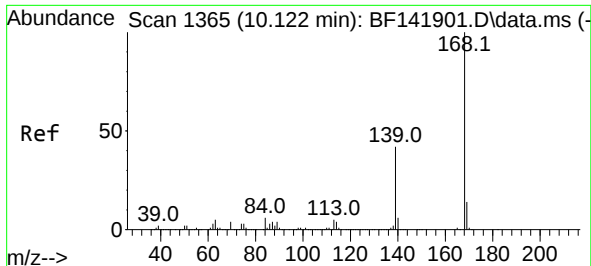
Ion Ratio Lower Upper

154 100

153 114.2 90.7 136.1

152 53.0 41.1 61.7

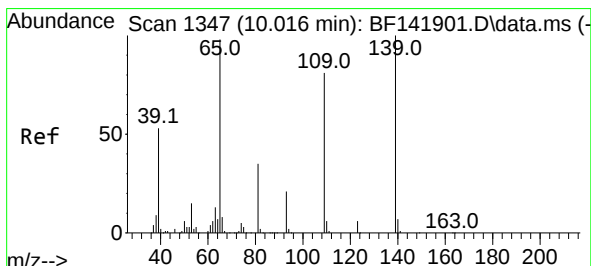
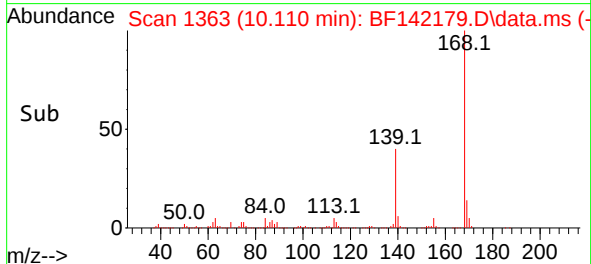
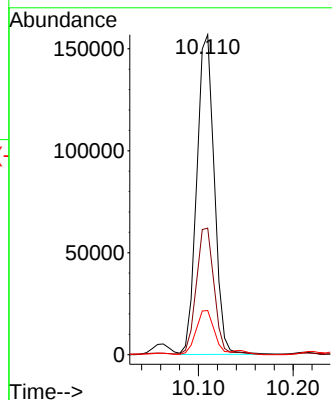
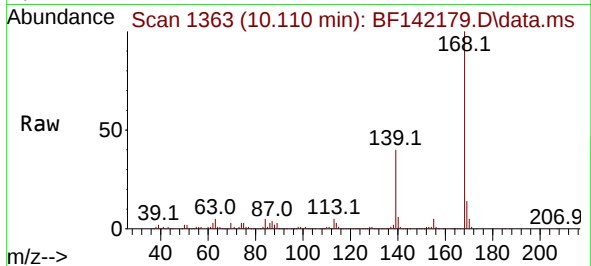




#55
Dibenzofuran
Concen: 10.028 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

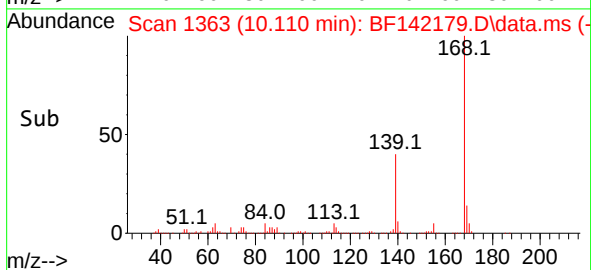
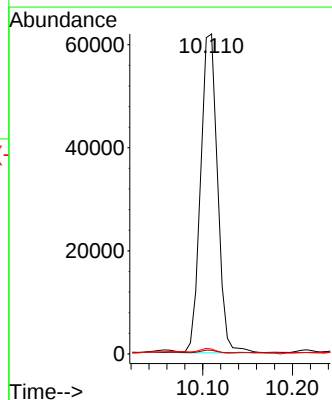
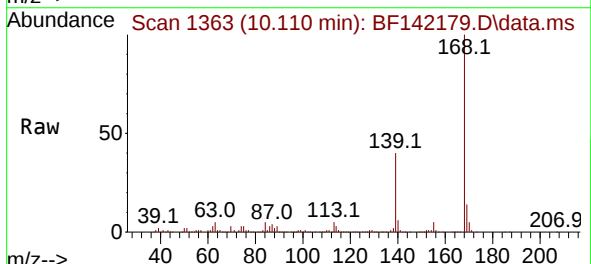
Instrument :
BNA_F
ClientSampleId :
72-11998DL

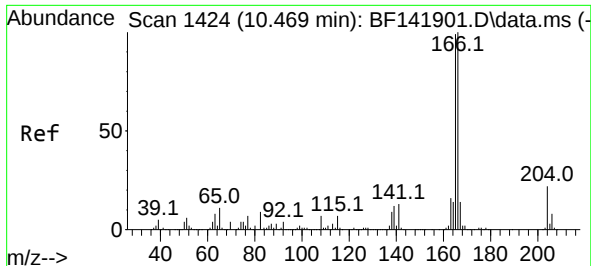
Tgt Ion:168 Resp: 201854
Ion Ratio Lower Upper
168 100
139 39.6 33.9 50.9
169 13.8 11.0 16.4



#56
4-Nitrophenol
Concen: 30.482 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.094 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:139 Resp: 81093
Ion Ratio Lower Upper
139 100
109 1.1 61.6 101.6#
65 1.6 79.4 119.4#

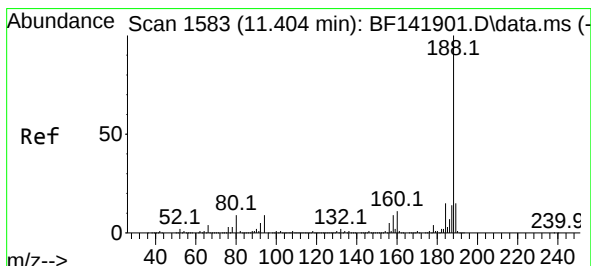
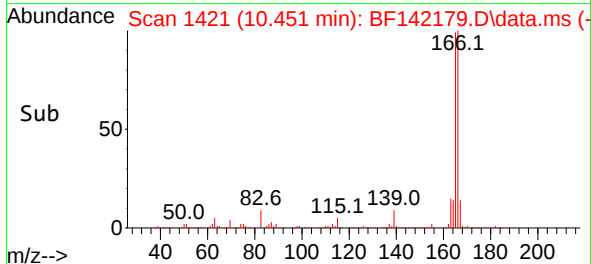
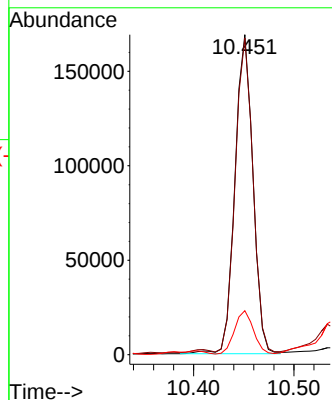
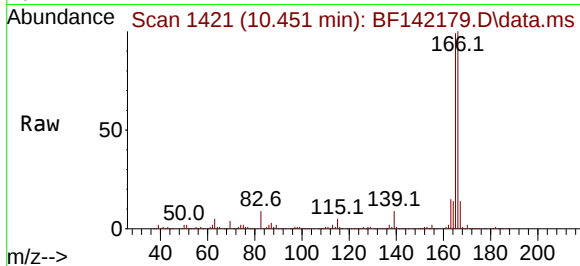




#58
Fluorene
Concen: 13.602 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

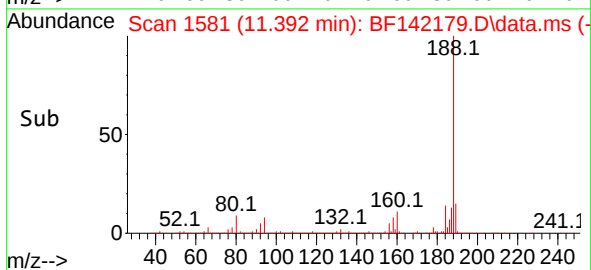
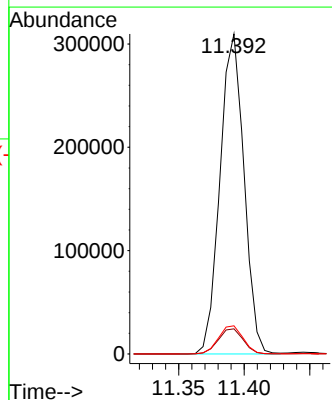
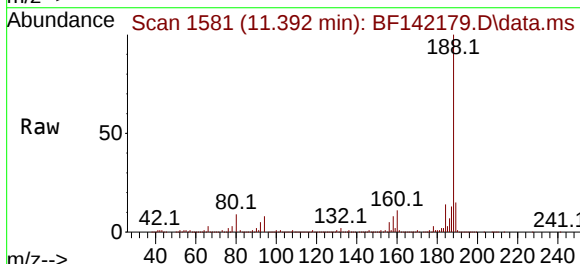
Instrument :
BNA_F
ClientSampleId :
72-11998DL

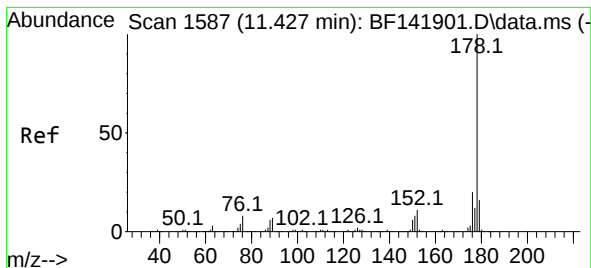
Tgt Ion:166 Resp: 211143
Ion Ratio Lower Upper
166 100
165 99.0 79.0 118.4
167 13.7 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:188 Resp: 393426
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.8 7.6 11.4





#71

Phenanthrene

Concen: 42.312 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

72-11998DL

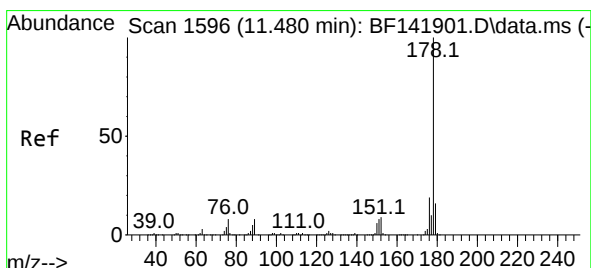
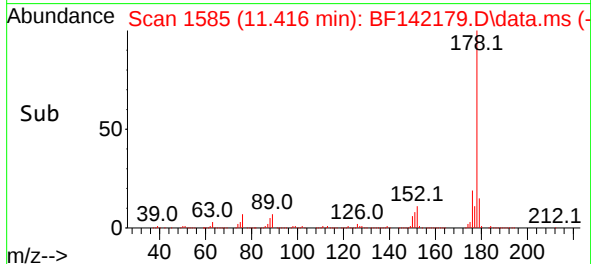
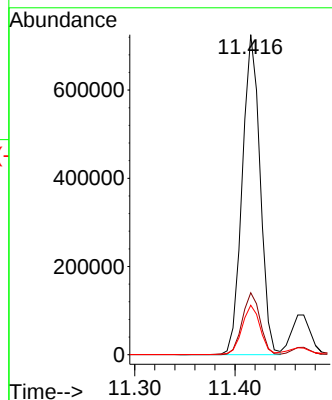
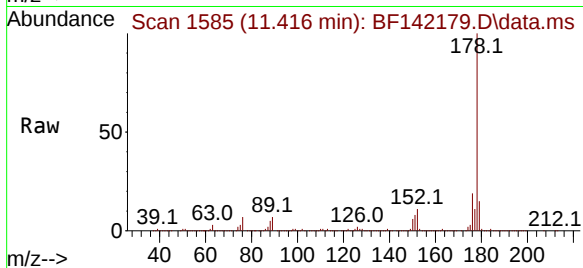
Tgt Ion:178 Resp: 899145

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

179 15.5 12.6 19.0



#72

Anthracene

Concen: 5.625 ng

RT: 11.469 min Scan# 1594

Delta R.T. -0.012 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

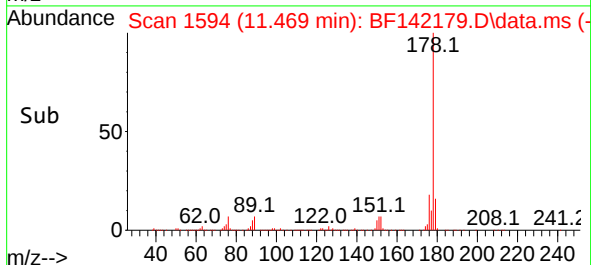
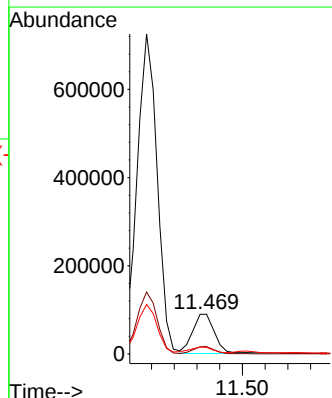
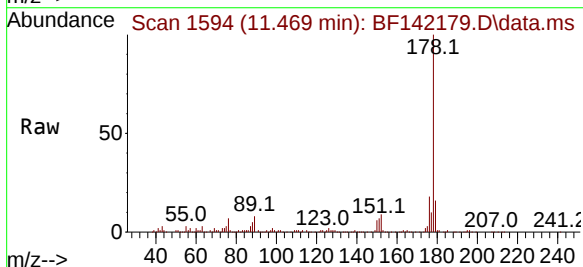
Tgt Ion:178 Resp: 119918

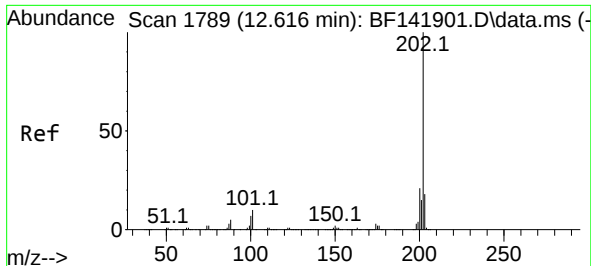
Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 16.4 12.6 19.0

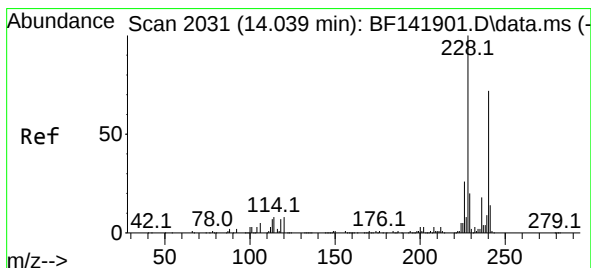
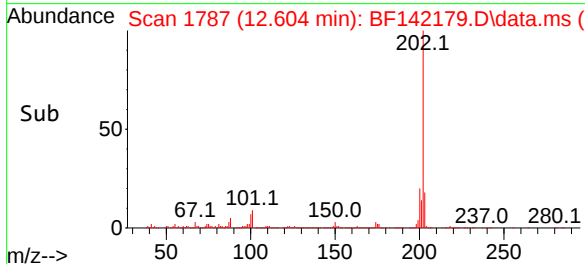
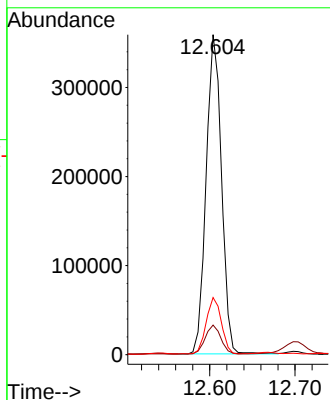
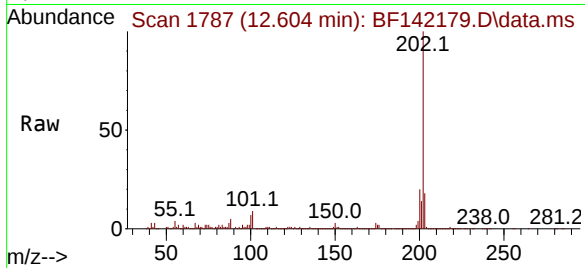




#75
Fluoranthene
Concen: 19.875 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

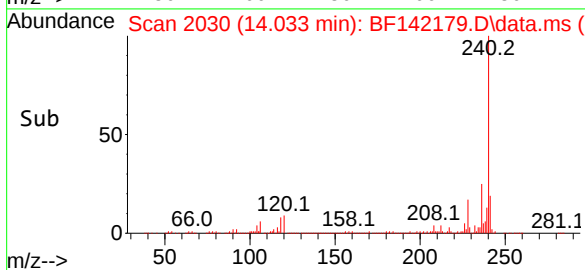
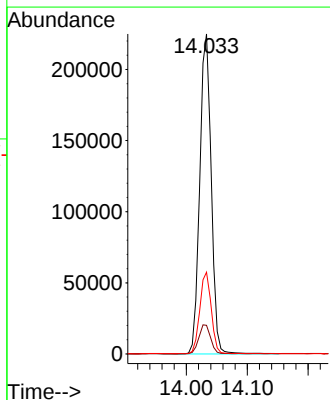
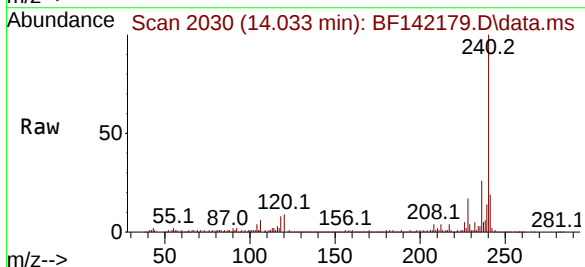
Instrument :
BNA_F
ClientSampleId :
72-11998DL

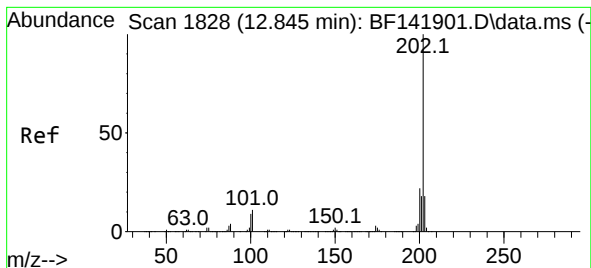
Tgt Ion:202 Resp: 448021
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:240 Resp: 294471
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 25.5 20.5 30.7





#78

Pyrene

Concen: 12.524 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

72-11998DL

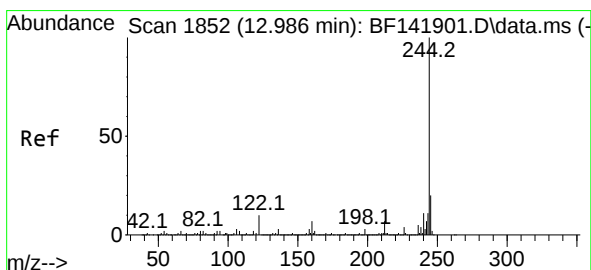
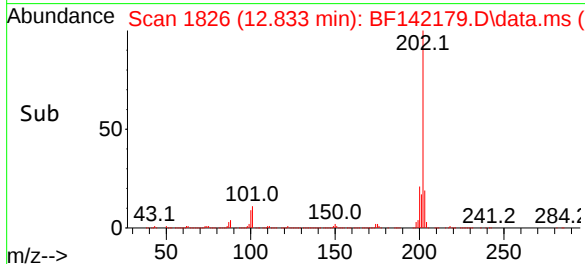
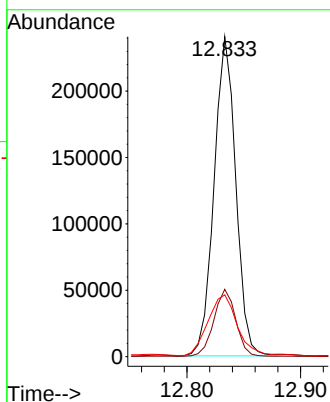
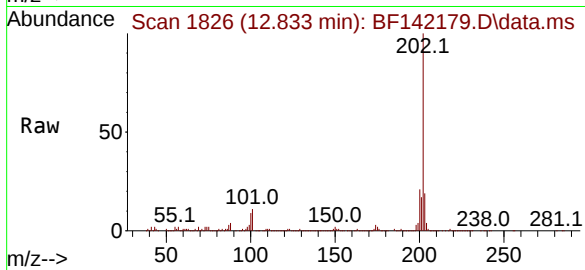
Tgt Ion:202 Resp: 319010

Ion Ratio Lower Upper

202 100

200 21.0 17.3 25.9

203 19.3 14.4 21.6



#79

Terphenyl-d14

Concen: 32.118 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

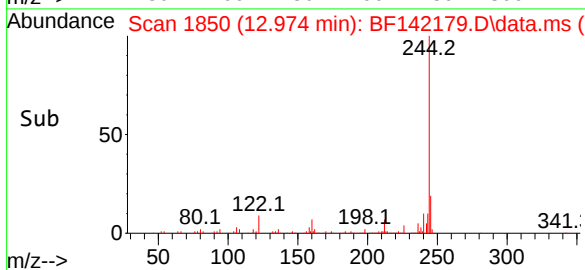
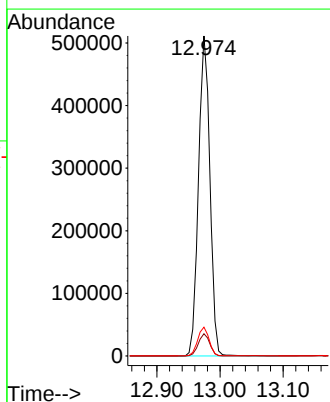
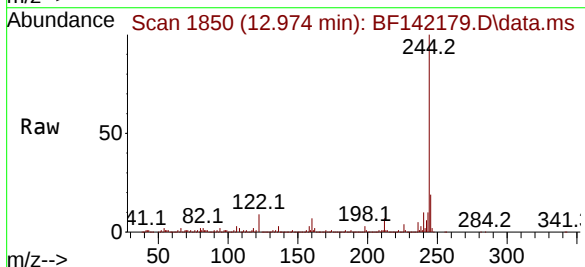
Tgt Ion:244 Resp: 639710

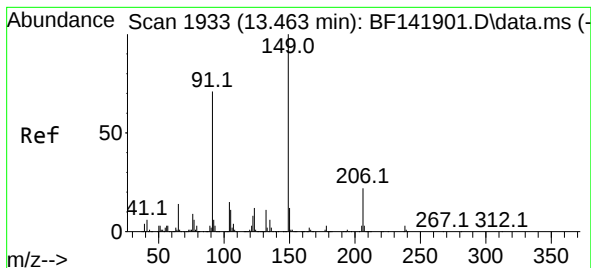
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.0 7.7 11.5





#80

Butylbenzylphthalate

Concen: 25.550 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.012 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

72-11998DL

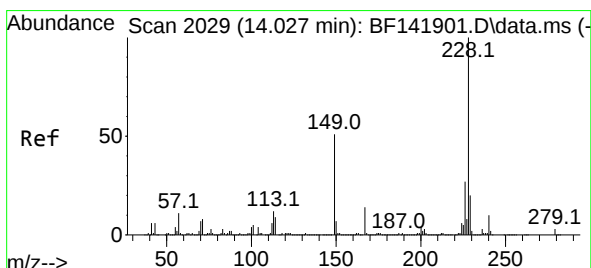
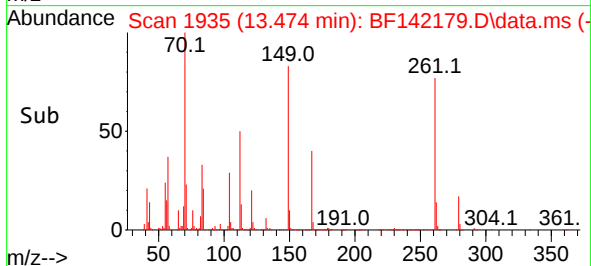
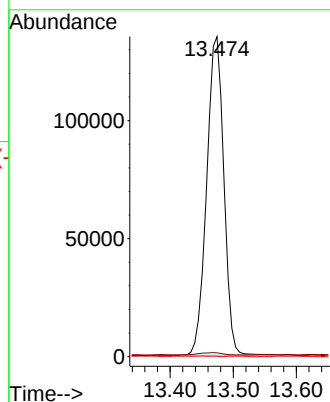
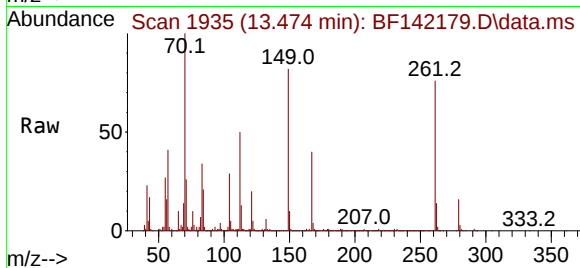
Tgt Ion:149 Resp: 254729

Ion Ratio Lower Upper

149 100

91 1.2 56.5 84.7#

206 0.1 17.3 25.9#



#81

Benzo(a)anthracene

Concen: 5.982 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

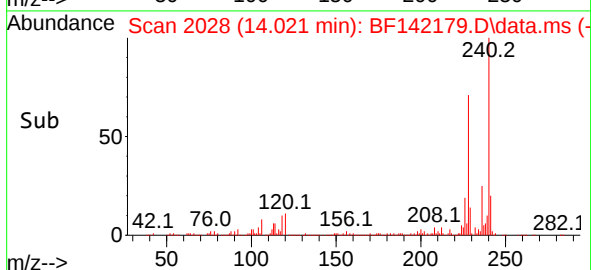
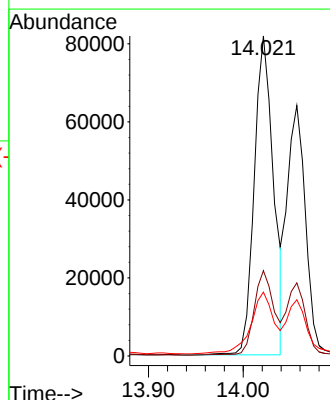
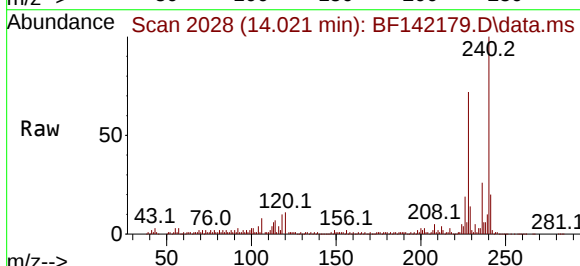
Tgt Ion:228 Resp: 115598

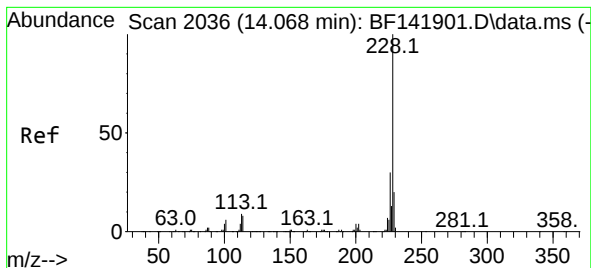
Ion Ratio Lower Upper

228 100

226 26.6 21.8 32.8

229 20.0 16.0 24.0





#83

Chrysene

Concen: 4.884 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

72-11998DL

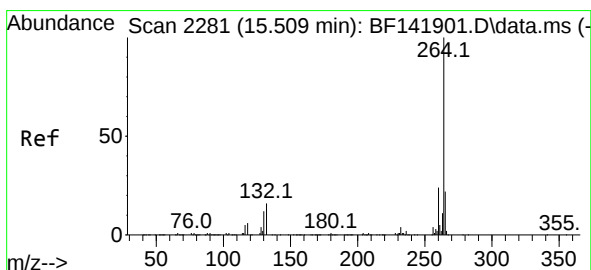
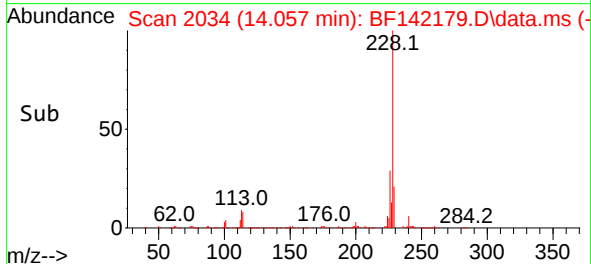
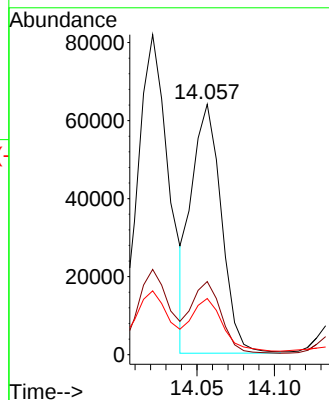
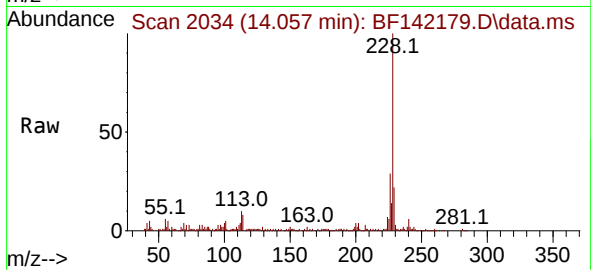
Tgt Ion:228 Resp: 85550

Ion Ratio Lower Upper

228 100

226 29.2 24.1 36.1

229 22.4 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

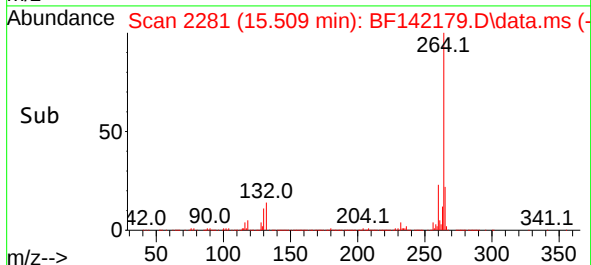
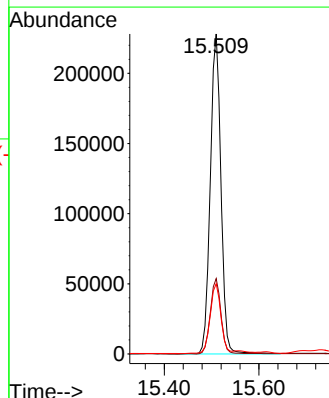
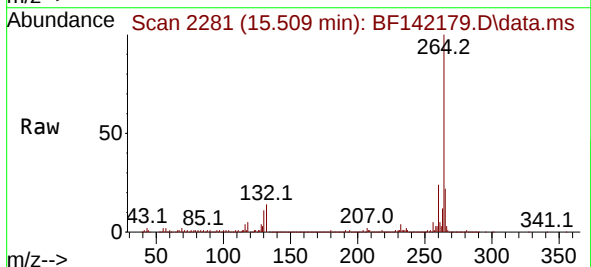
Tgt Ion:264 Resp: 356799

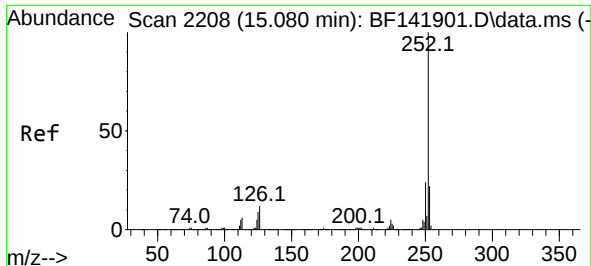
Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.9 17.5 26.3

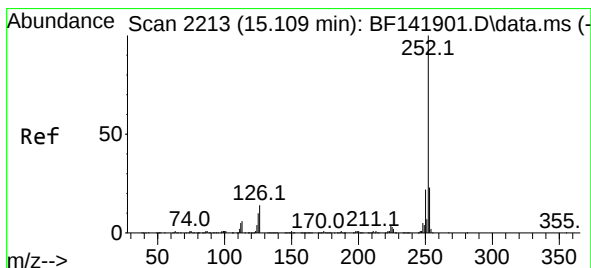
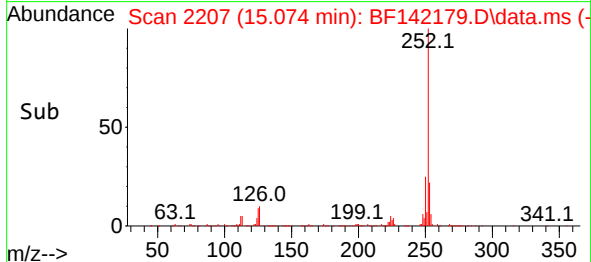
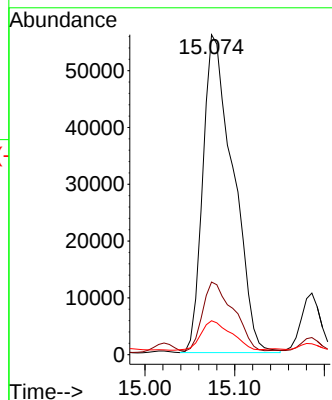
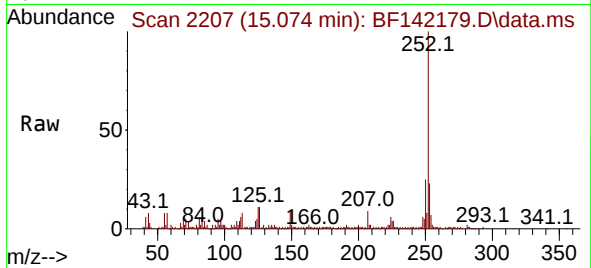




#88
Benzo(b)fluoranthene
Concen: 5.361 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

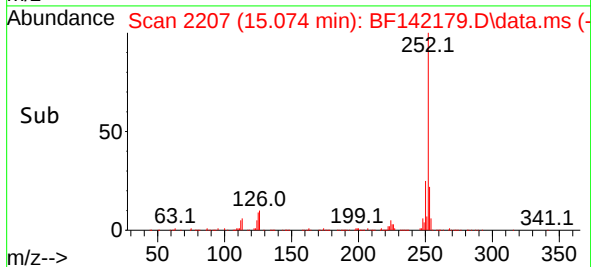
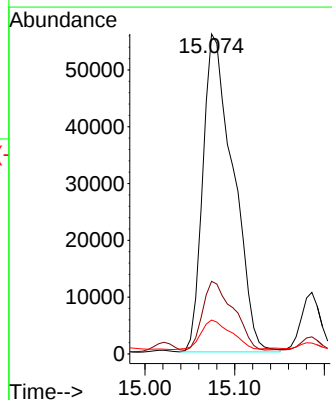
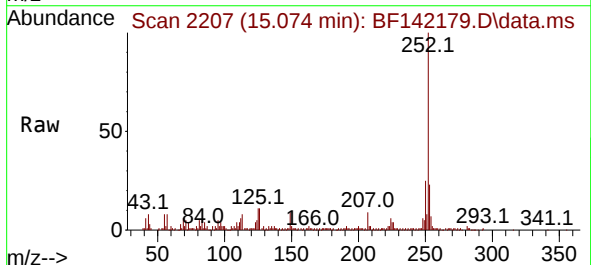
Instrument :
BNA_F
ClientSampleId :
72-11998DL

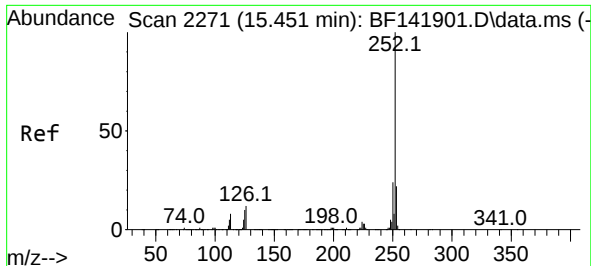
Tgt Ion:252 Resp: 131091
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.6 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 6.264 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.035 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:252 Resp: 131091
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 10.6 7.2 10.8

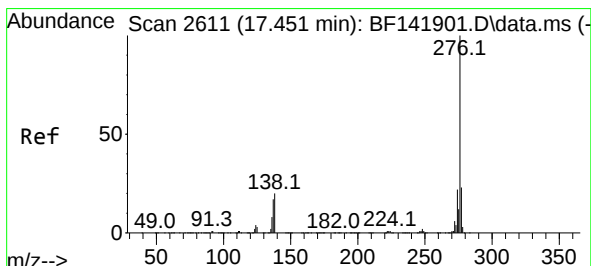
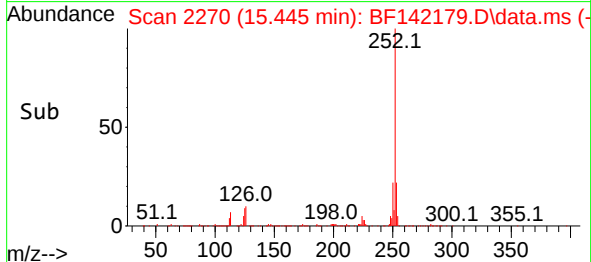
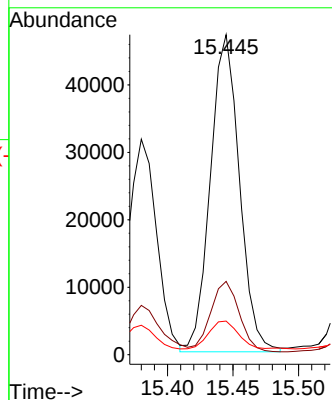
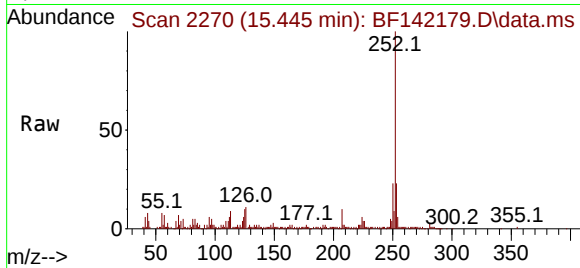




#90
Benzo(a)pyrene
Concen: 3.792 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Instrument :
BNA_F
ClientSampleId :
72-11998DL

Tgt Ion:252 Resp: 72552
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.5 7.8 11.8



#92
Benzo(g,h,i)perylene
Concen: 2.269 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:276 Resp: 42699
Ion Ratio Lower Upper
276 100
277 24.6 18.7 28.1
138 19.3 15.8 23.8

