

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142159.D
 Acq On : 28 Mar 2025 14:37
 Operator : RC/JU
 Sample : Q1648-07DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Quant Time: Mar 28 15:01:14 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

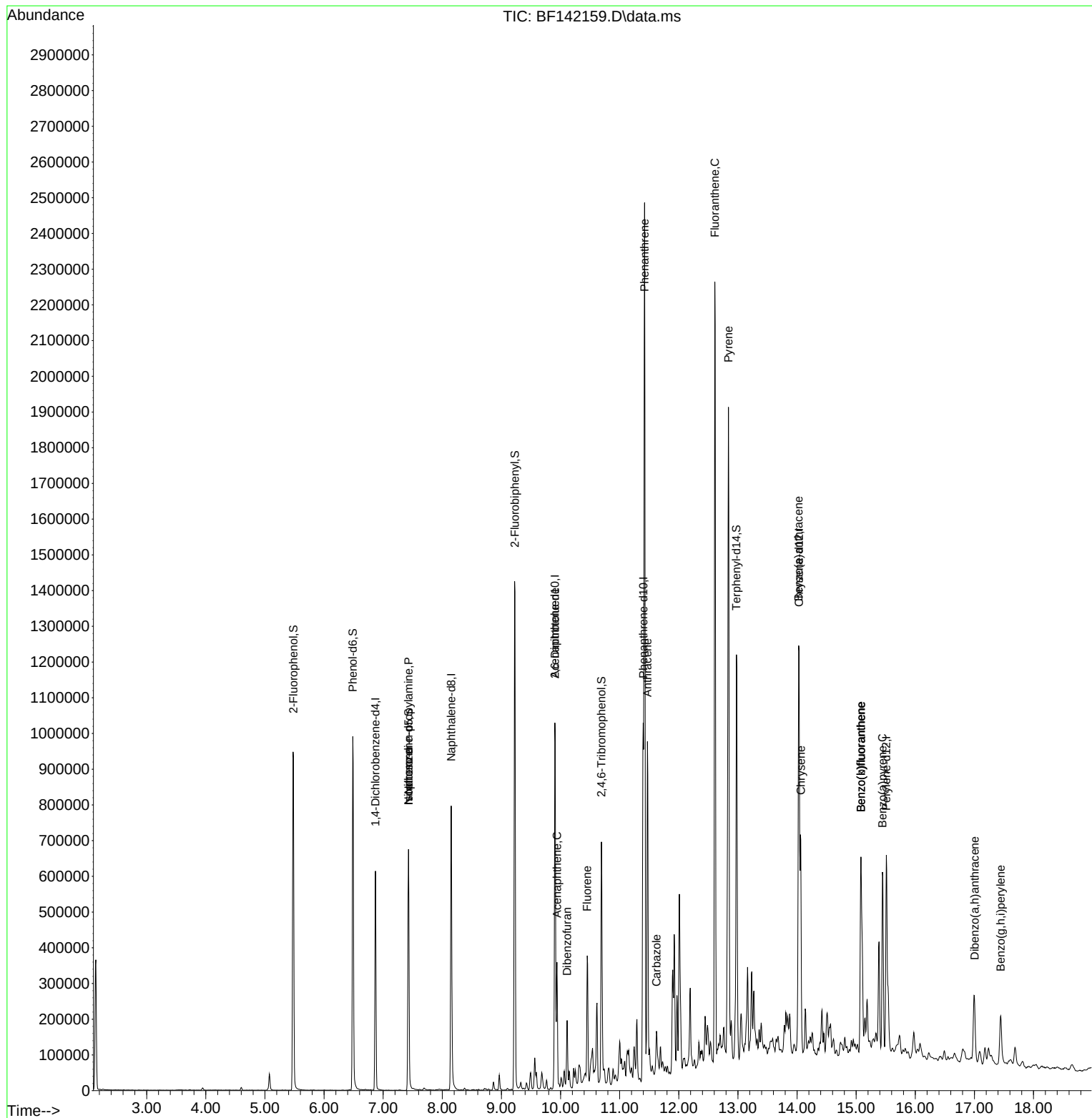
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	134180	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	537437	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	313079	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	512755	20.000	ng	0.00
76) Chrysene-d12	14.033	240	290239	20.000	ng	0.00
86) Perylene-d12	15.510	264	329096	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	392657	48.840	ng	-0.01
7) Phenol-d6	6.487	99	488781	47.750	ng	-0.02
23) Nitrobenzene-d5	7.428	82	320622	33.573	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	98229	24.731	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	665022	32.304	ng	-0.01
79) Terphenyl-d14	12.975	244	551404	28.088	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	43413	6.600	ng	# 77
25) Isophorone	7.428	82	313866	18.593	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	43677	9.568	ng	# 23
52) Acenaphthene	9.939	154	106186	5.743	ng	98
55) Dibenzofuran	10.110	168	86289	3.266	ng	97
58) Fluorene	10.451	166	133687	6.561	ng	97
71) Phenanthrene	11.422	178	1303944	47.081	ng	100
72) Anthracene	11.469	178	546304	19.661	ng	99
73) Carbazole	11.622	167	55753	2.327	ng	95
75) Fluoranthene	12.610	202	1275182	43.405	ng	100
78) Pyrene	12.839	202	1095848	43.649	ng	98
81) Benzo(a)anthracene	14.027	228	440714	23.140	ng	98
83) Chrysene	14.063	228	307038	17.785	ng	97
88) Benzo(b)fluoranthene	15.080	252	519768	23.045	ng	99
89) Benzo(k)fluoranthene	15.080	252	519768	26.928	ng	99
90) Benzo(a)pyrene	15.445	252	329833	18.689	ng	98
91) Dibenzo(a,h)anthracene	17.004	278	35822	2.039	ng	# 90
92) Benzo(g,h,i)perylene	17.445	276	135052	7.781	ng	97

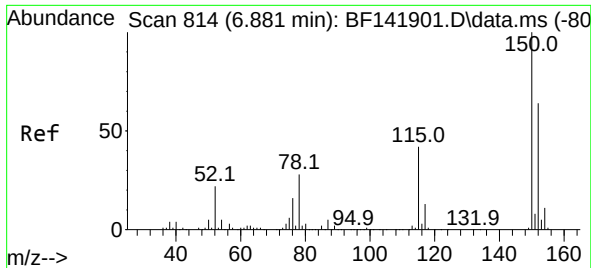
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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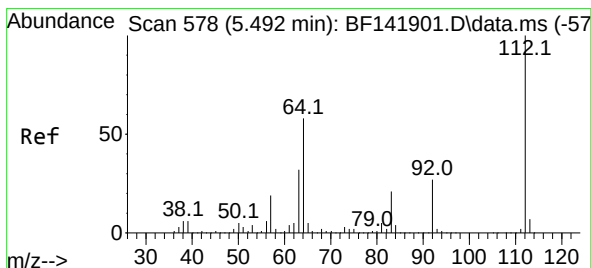
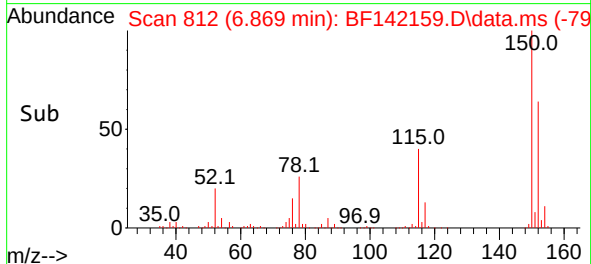
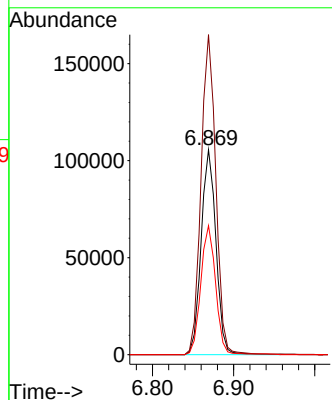
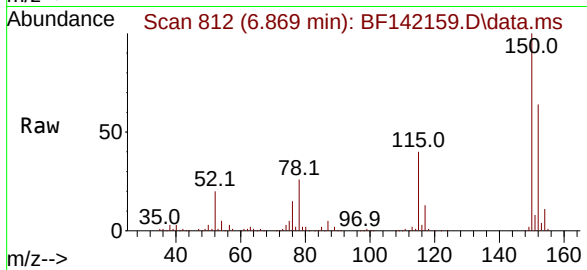




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

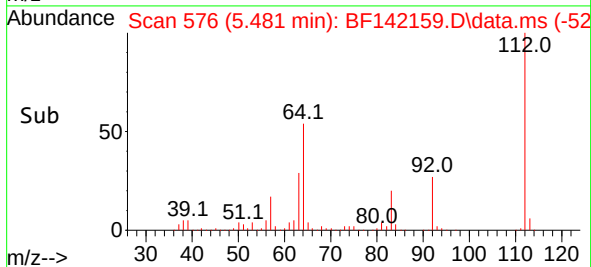
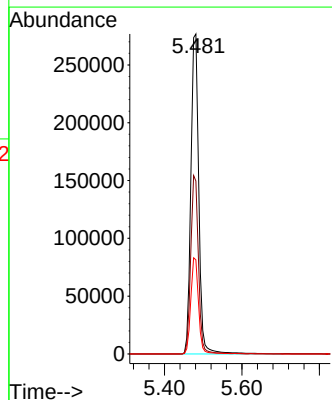
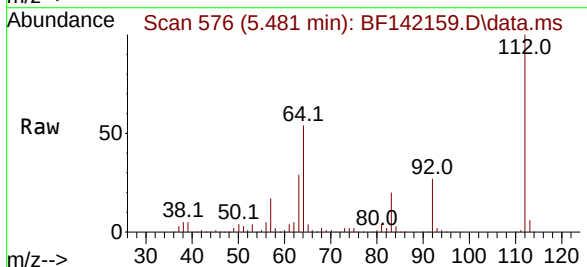
Instrument :
BNA_F
ClientSampleId :
TP-6DL

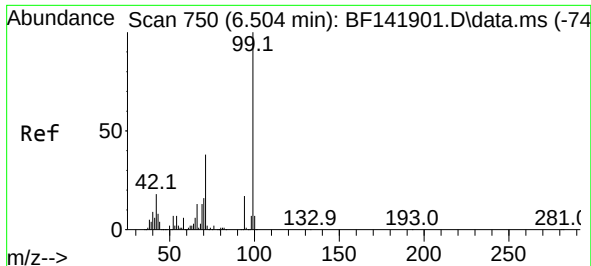
Tgt Ion:152 Resp: 134180
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.2
115 62.9 51.9 77.9



#5
2-Fluorophenol
Concen: 48.840 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

Tgt Ion:112 Resp: 392657
Ion Ratio Lower Upper
112 100
64 54.0 46.5 69.7
63 29.4 25.4 38.2

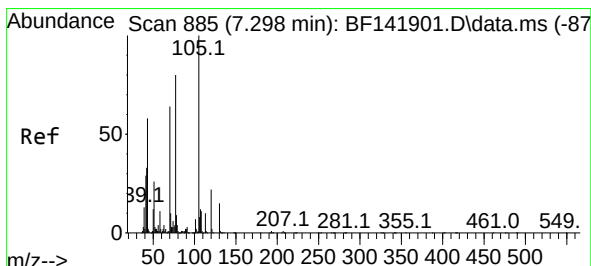
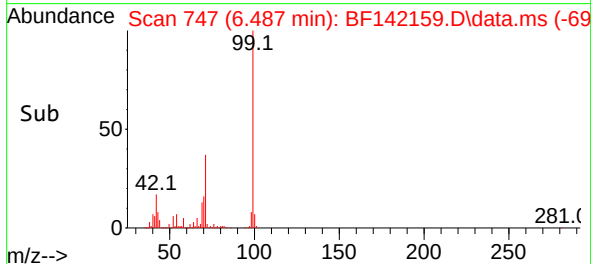
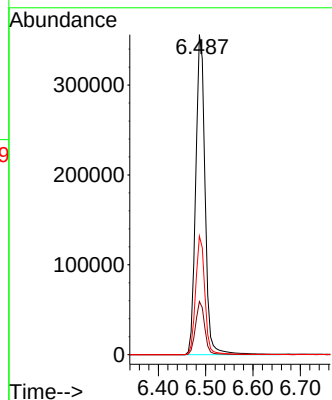
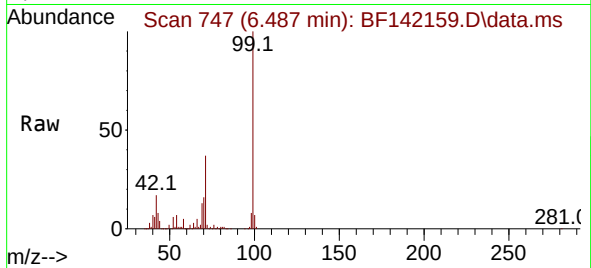




#7
Phenol-d6
Concen: 47.750 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.017 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

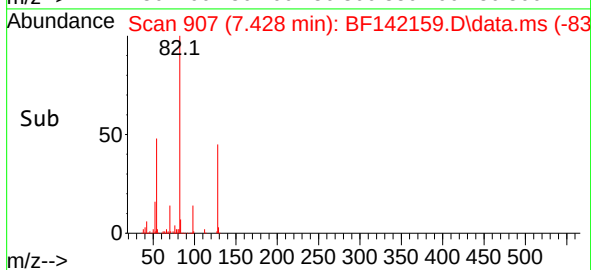
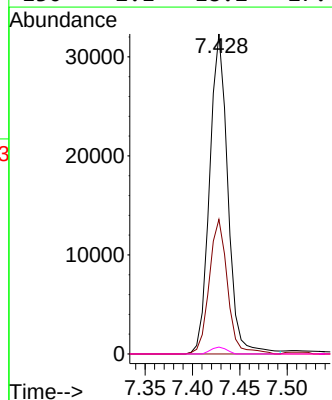
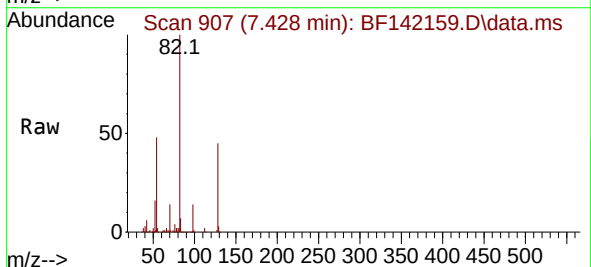
Instrument :
BNA_F
ClientSampleId :
TP-6DL

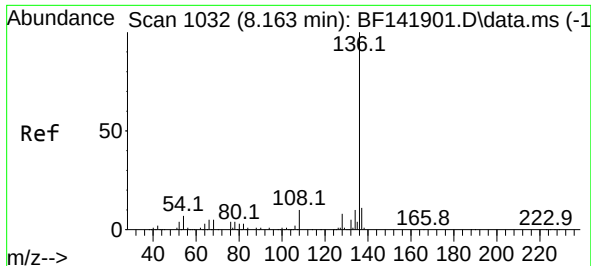
Tgt Ion: 99 Resp: 488781
Ion Ratio Lower Upper
99 100
42 16.6 14.6 21.8
71 37.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 6.600 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

Tgt Ion: 70 Resp: 43413
Ion Ratio Lower Upper
70 100
42 42.1 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#



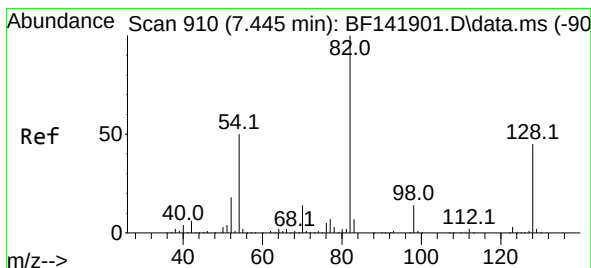
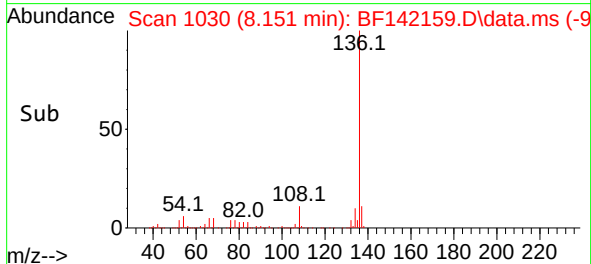
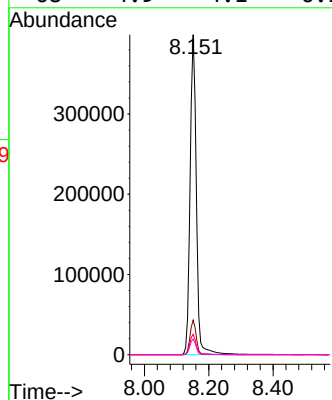
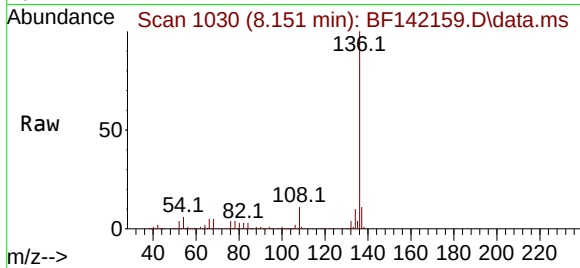


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

Instrument :
BNA_F
ClientSampleId :
TP-6DL

Tgt Ion:136 Resp: 537437

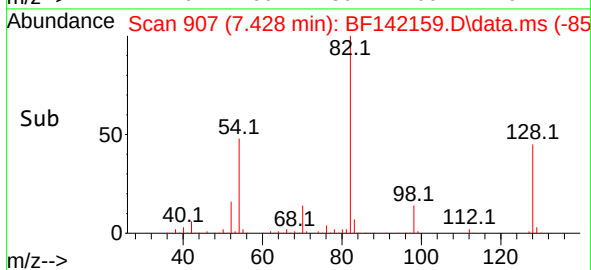
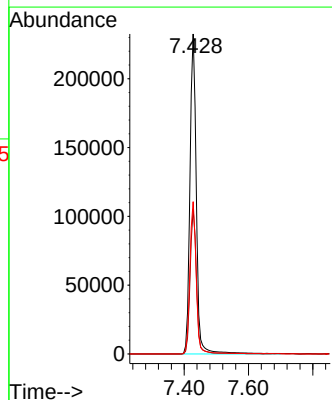
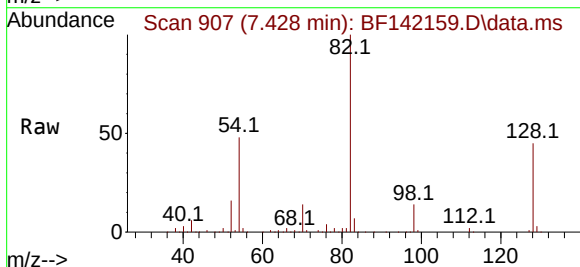
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.4	5.8	8.8
68	4.9	4.1	6.1

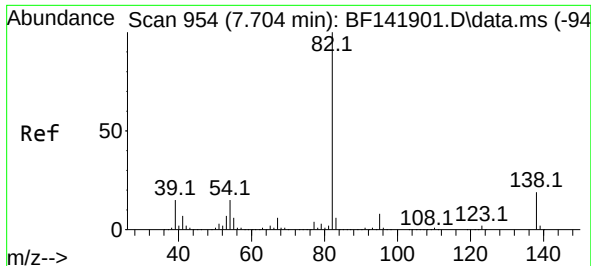


#23
Nitrobenzene-d5
Concen: 33.573 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.017 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

Tgt Ion: 82 Resp: 320622

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.0	54.0
54	47.6	39.6	59.4

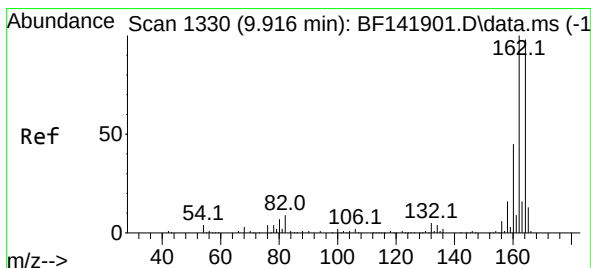
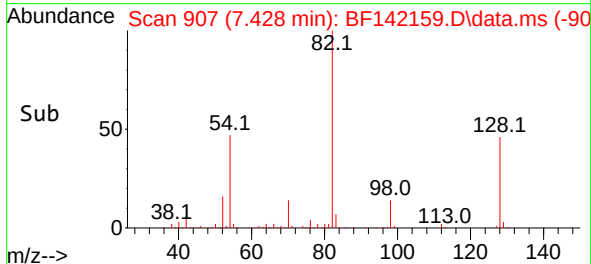
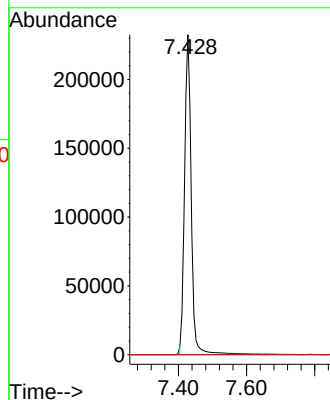
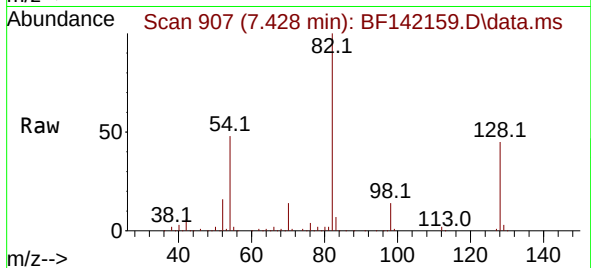




#25
Isophorone
Concen: 18.593 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

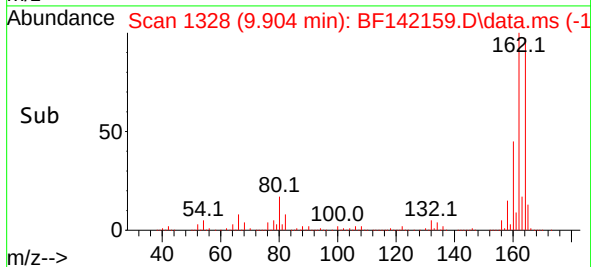
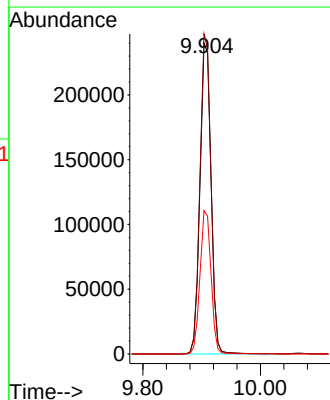
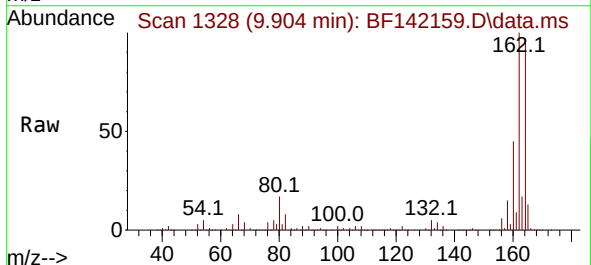
Instrument :
BNA_F
ClientSampleId :
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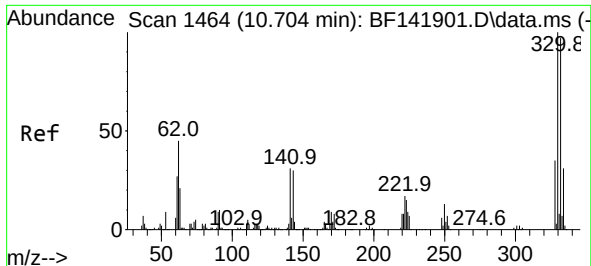
Tgt Ion: 82 Resp: 313866
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

Tgt Ion:164 Resp: 313079
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.6
160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 24.731 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

Instrument :

BNA_F

ClientSampleId :

TP-6DL

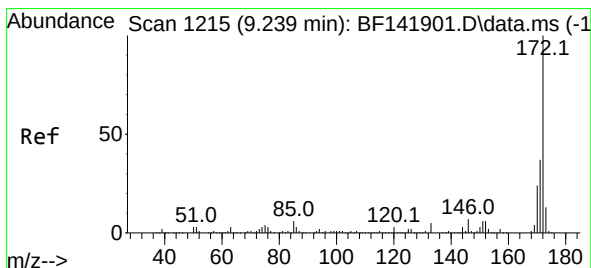
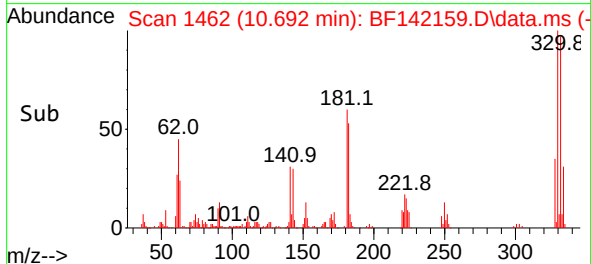
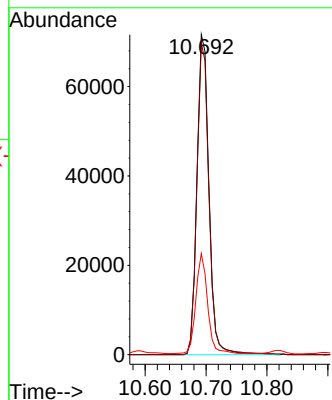
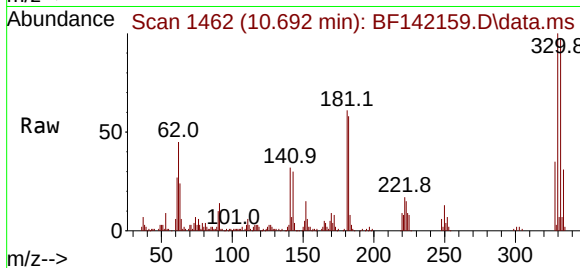
Tgt Ion:330 Resp: 98229

Ion Ratio Lower Upper

330 100

332 97.7 77.6 116.4

141 30.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 32.304 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

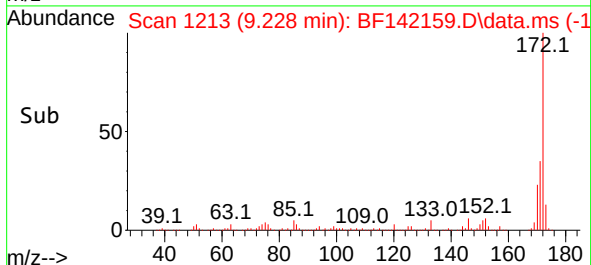
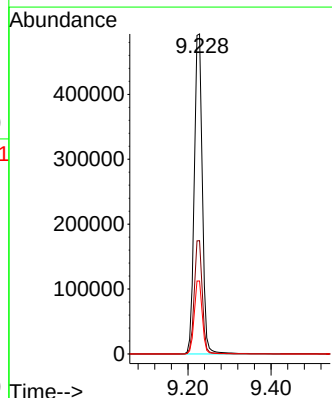
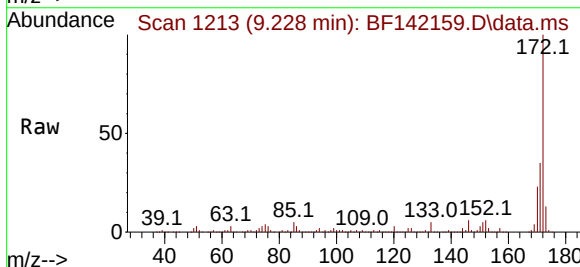
Tgt Ion:172 Resp: 665022

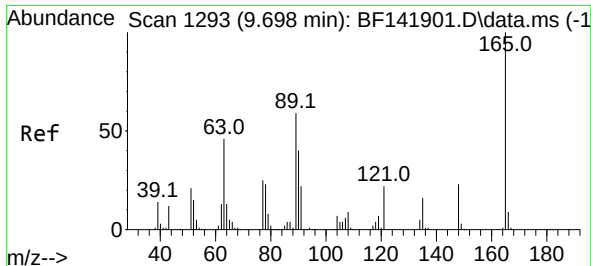
Ion Ratio Lower Upper

172 100

171 35.4 29.3 43.9

170 22.8 19.4 29.0

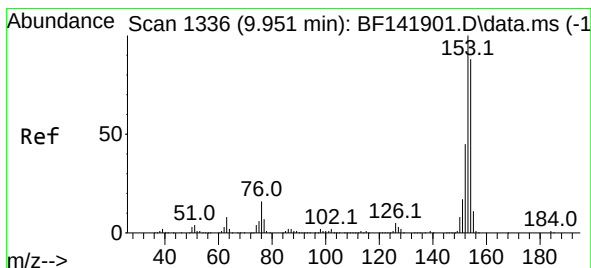
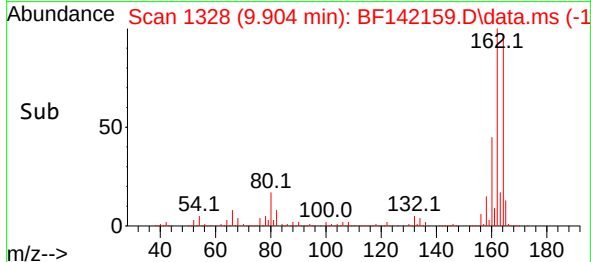
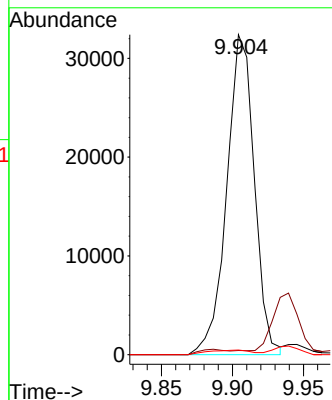
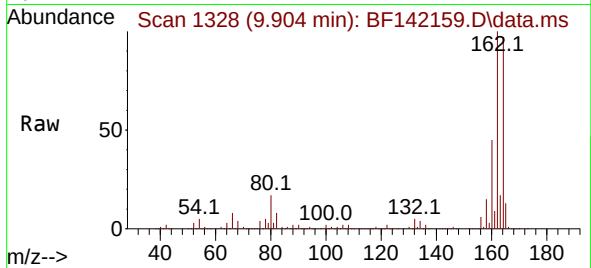




#51
2,6-Dinitrotoluene
Concen: 9.568 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

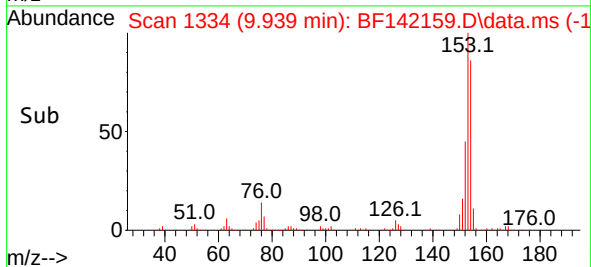
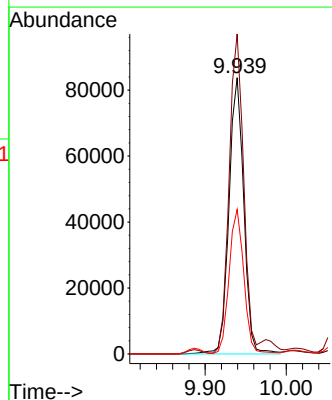
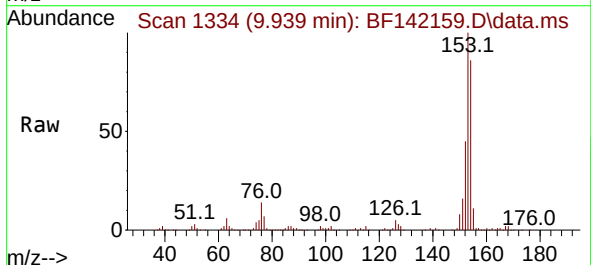
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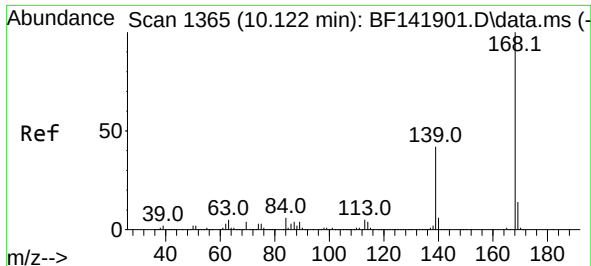
Tgt Ion:165 Resp: 43677
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.4 47.4 71.2#



#52
Acenaphthene
Concen: 5.743 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

Tgt Ion:154 Resp: 106186
Ion Ratio Lower Upper
154 100
153 115.8 90.7 136.1
152 52.3 41.1 61.7

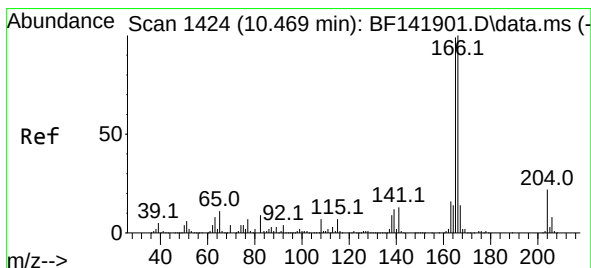
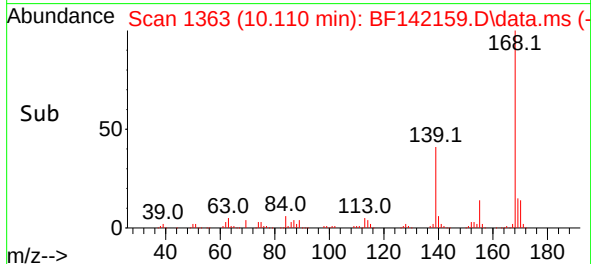
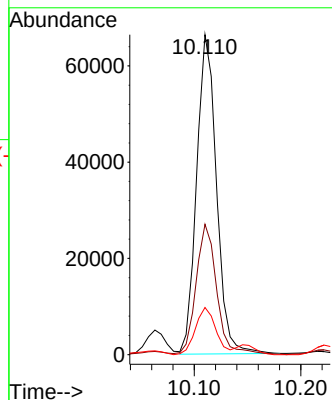
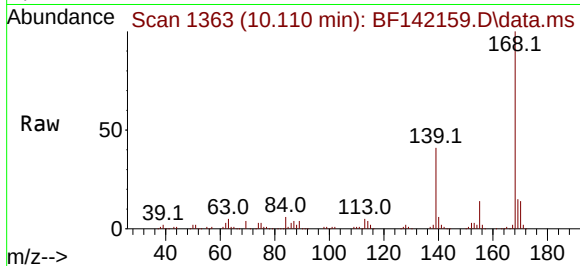




#55
Dibenzofuran
Concen: 3.266 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

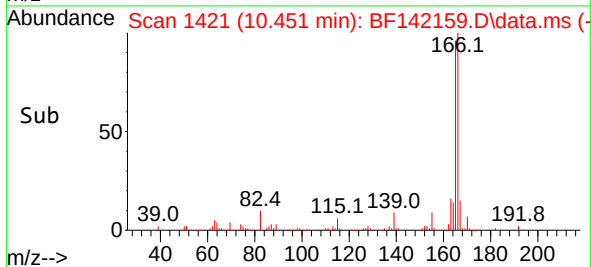
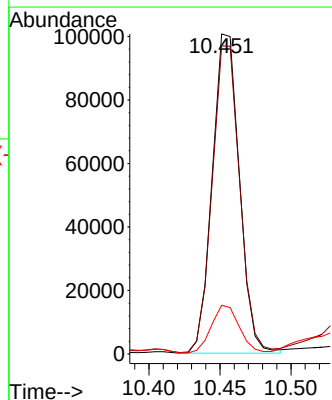
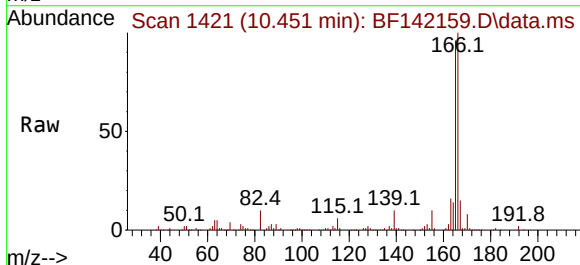
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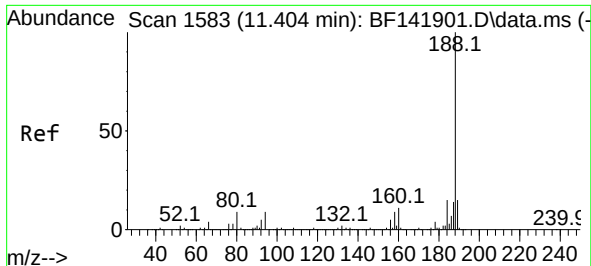
Tgt Ion:168 Resp: 86289
Ion Ratio Lower Upper
168 100
139 40.8 33.9 50.9
169 14.7 11.0 16.4



#58
Fluorene
Concen: 6.561 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.017 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

Tgt Ion:166 Resp: 133687
Ion Ratio Lower Upper
166 100
165 96.3 79.0 118.4
167 15.2 11.0 16.4

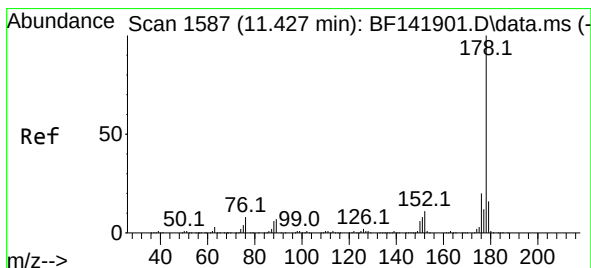
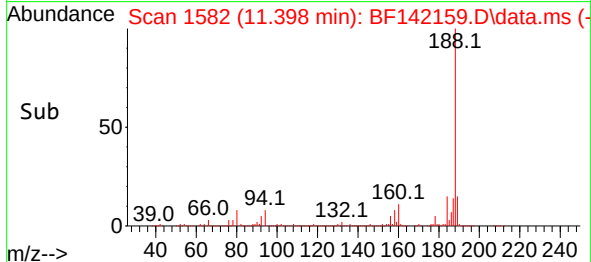
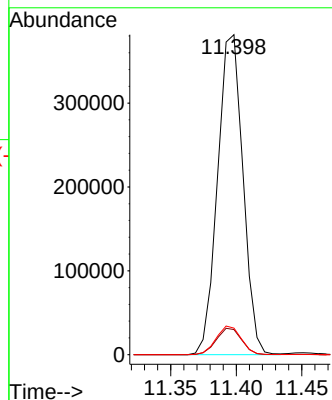
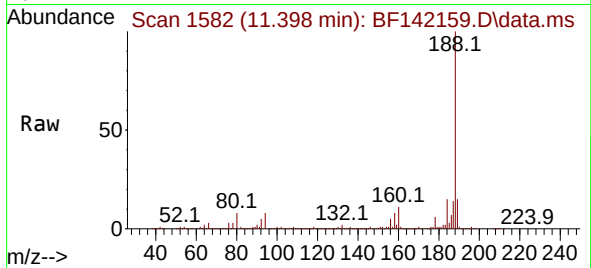




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

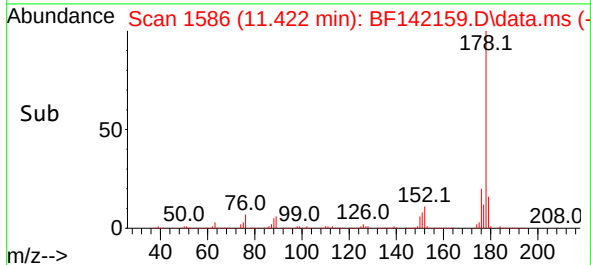
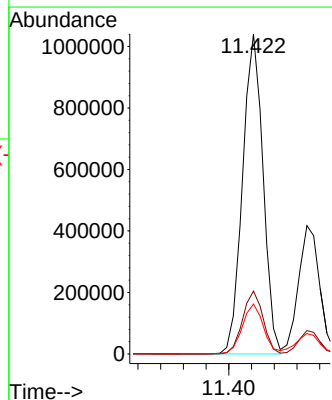
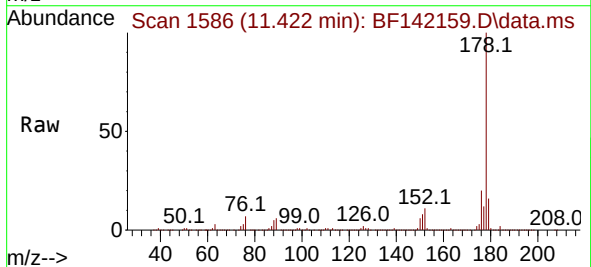
Instrument :
BNA_F
ClientSampleId :
TP-6DL

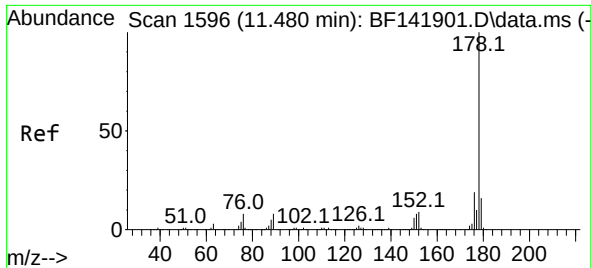
Tgt Ion:188 Resp: 512755
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.3 7.6 11.4



#71
Phenanthrene
Concen: 47.081 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

Tgt Ion:178 Resp: 1303944
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.6 12.6 19.0

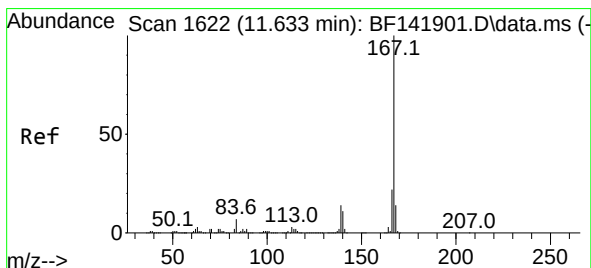
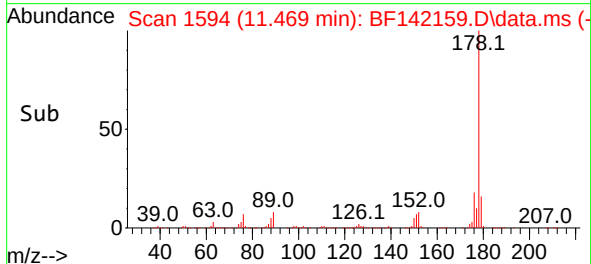
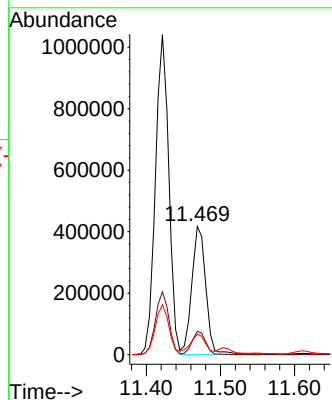
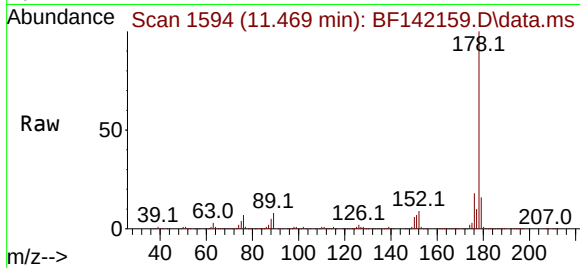




#72
 Anthracene
 Concen: 19.661 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142159.D
 Acq: 28 Mar 2025 14:37

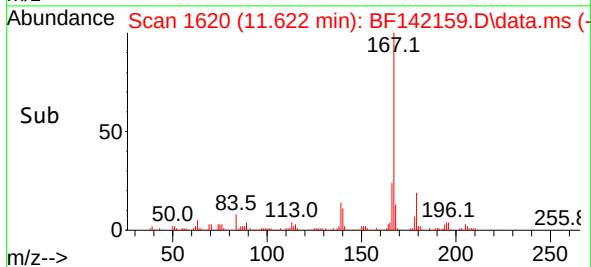
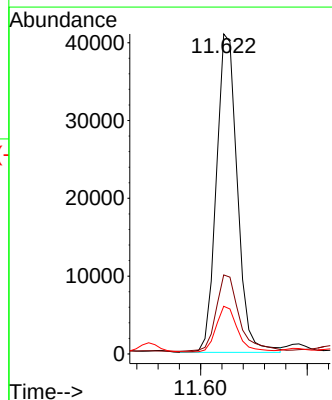
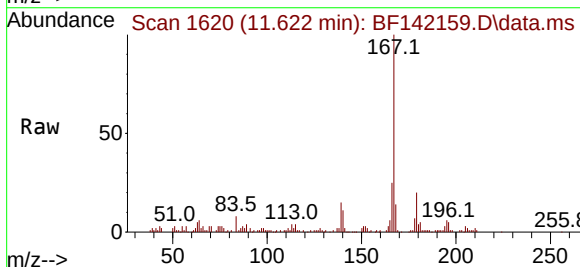
Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

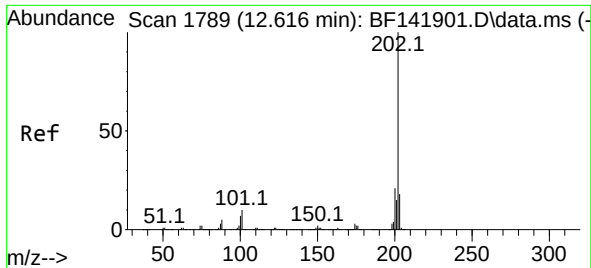
Tgt Ion:178 Resp: 546304
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.1 22.7
 179 15.9 12.6 19.0



#73
 Carbazole
 Concen: 2.327 ng
 RT: 11.622 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF142159.D
 Acq: 28 Mar 2025 14:37

Tgt Ion:167 Resp: 55753
 Ion Ratio Lower Upper
 167 100
 166 24.7 17.4 26.2
 139 14.9 11.0 16.6

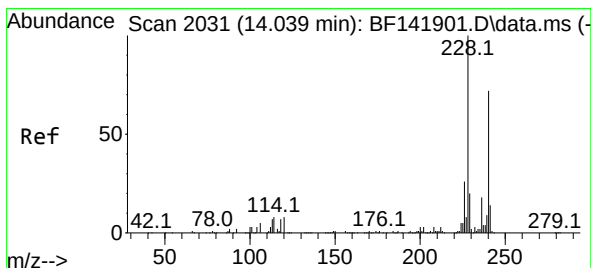
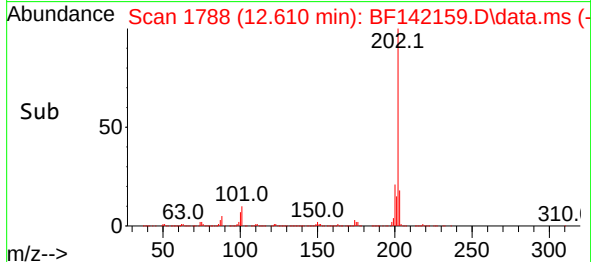
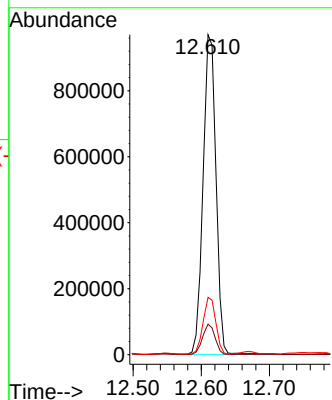
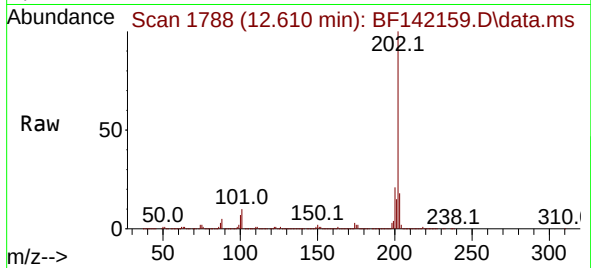




#75
Fluoranthene
Concen: 43.405 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

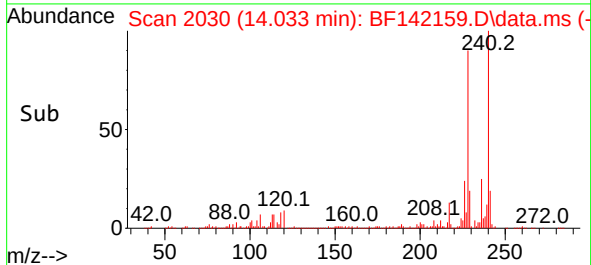
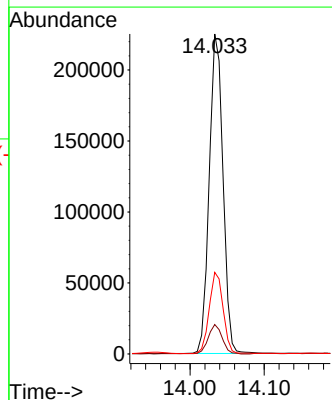
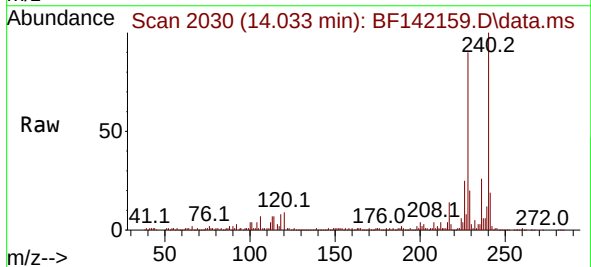
Instrument :
BNA_F
ClientSampleId :
TP-6DL

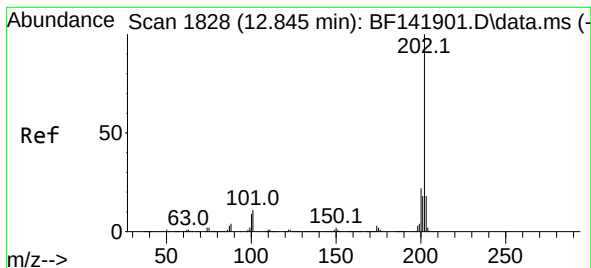
Tgt Ion:202 Resp: 1275182
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142159.D
Acq: 28 Mar 2025 14:37

Tgt Ion:240 Resp: 290239
Ion Ratio Lower Upper
240 100
120 9.2 8.4 12.6
236 25.5 20.5 30.7





#78

Pyrene

Concen: 43.649 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

Instrument :

BNA_F

ClientSampleId :

TP-6DL

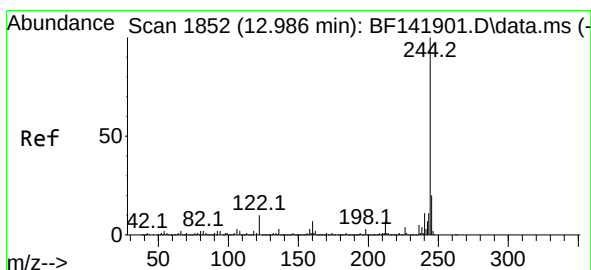
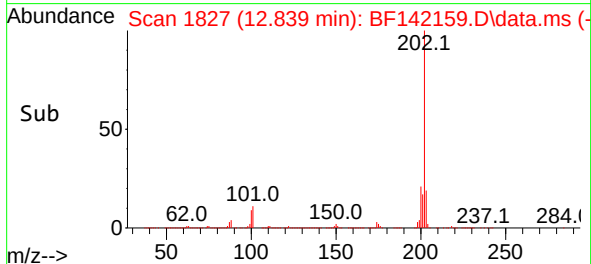
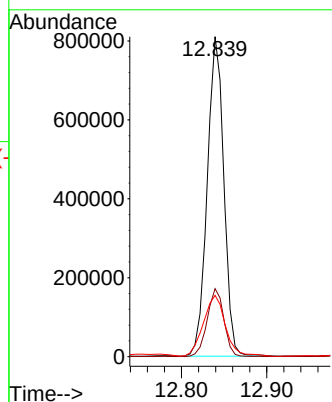
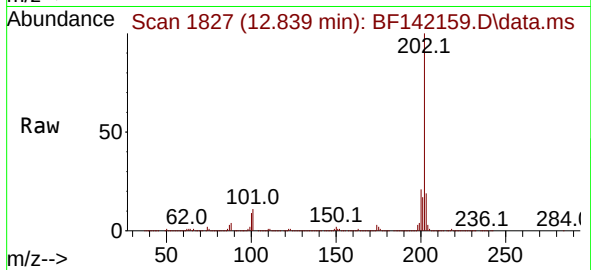
Tgt Ion:202 Resp: 1095848

Ion Ratio Lower Upper

202 100

200 21.2 17.3 25.9

203 19.2 14.4 21.6



#79

Terphenyl-d14

Concen: 28.088 ng

RT: 12.975 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

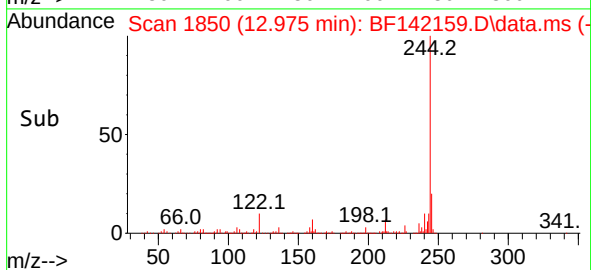
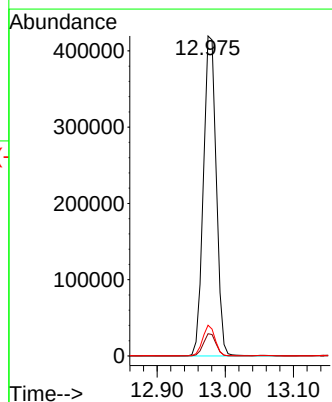
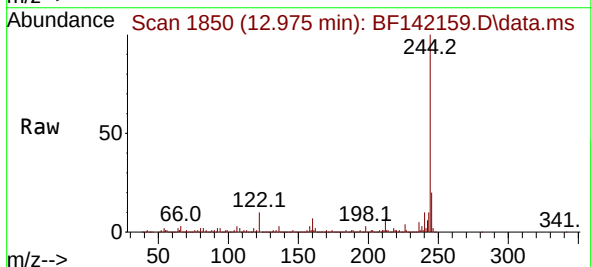
Tgt Ion:244 Resp: 551404

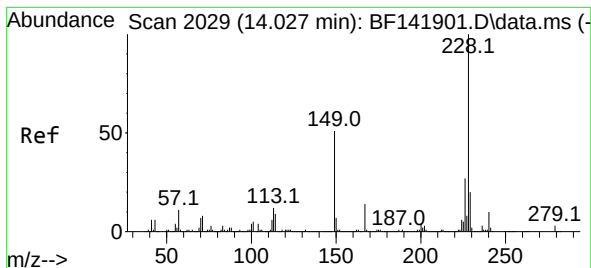
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.6 7.7 11.5





#81

Benzo(a)anthracene

Concen: 23.140 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

Instrument :

BNA_F

ClientSampleId :

TP-6DL

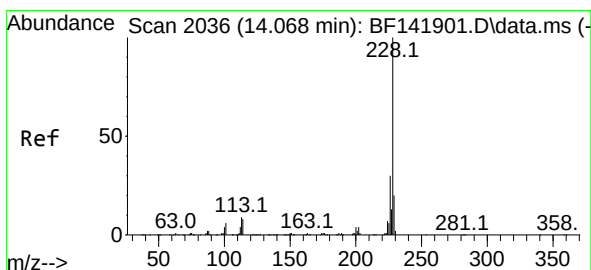
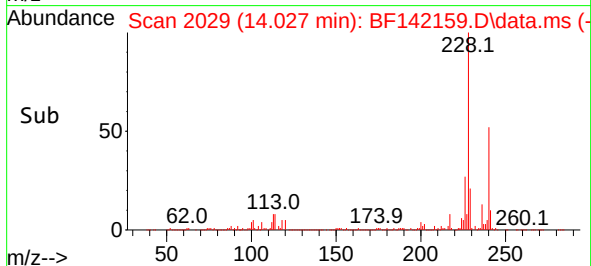
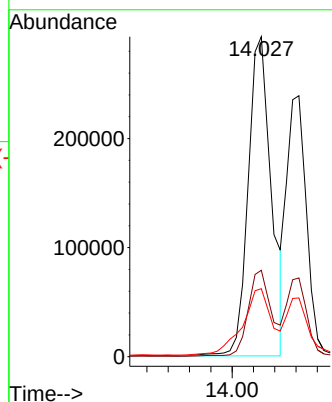
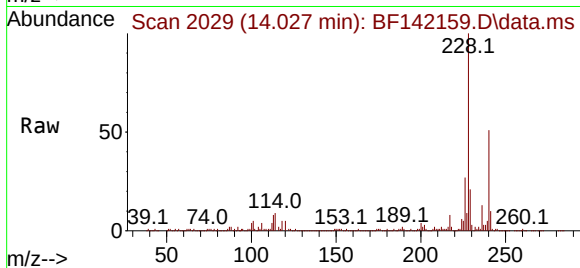
Tgt Ion:228 Resp: 440714

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 21.3 16.0 24.0



#83

Chrysene

Concen: 17.785 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

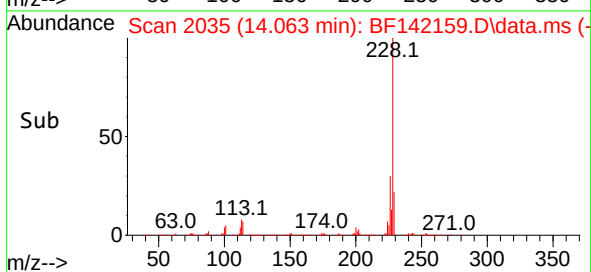
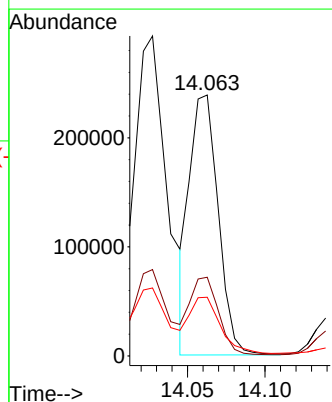
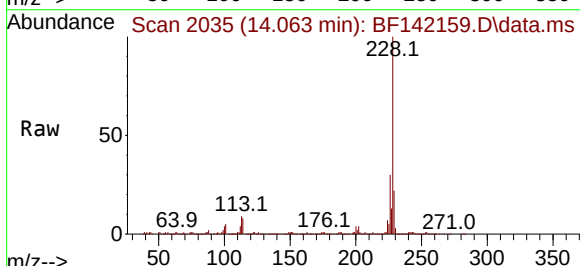
Tgt Ion:228 Resp: 307038

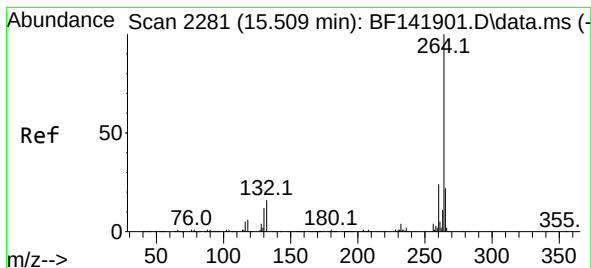
Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 22.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

Instrument :

BNA_F

ClientSampleId :

TP-6DL

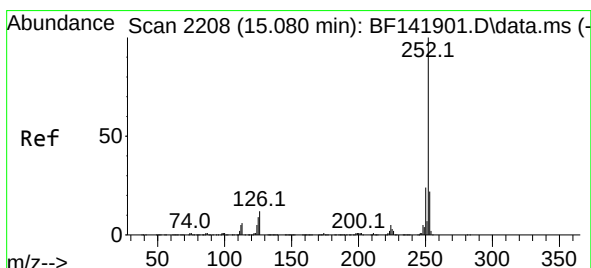
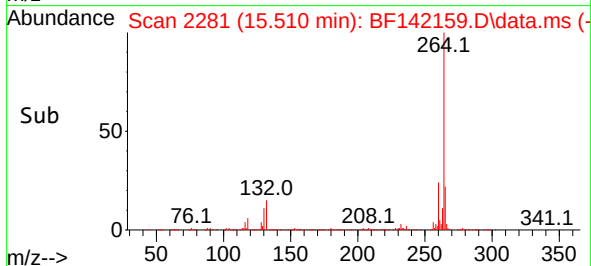
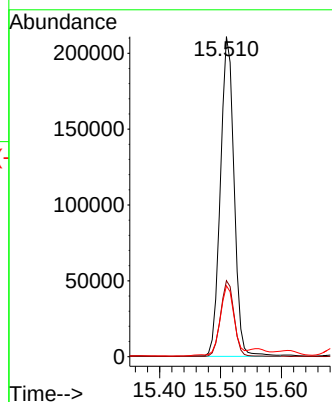
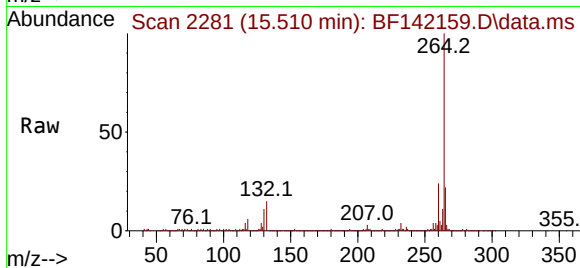
Tgt Ion:264 Resp: 329096

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 22.2 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 23.045 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

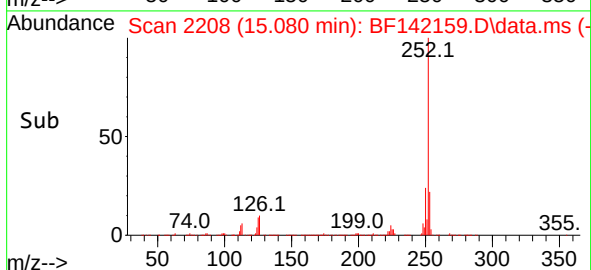
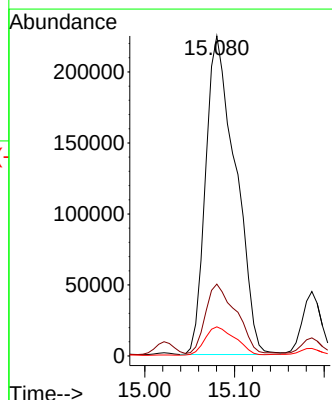
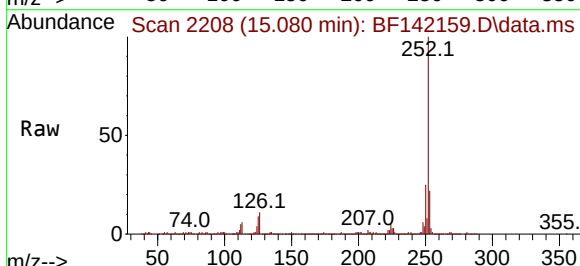
Tgt Ion:252 Resp: 519768

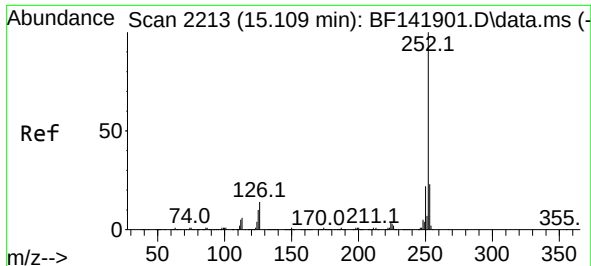
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 9.1 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 26.928 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

Instrument :

BNA_F

ClientSampleId :

TP-6DL

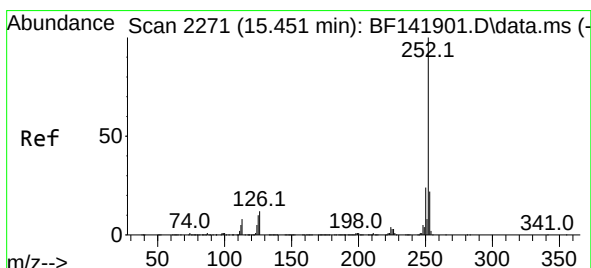
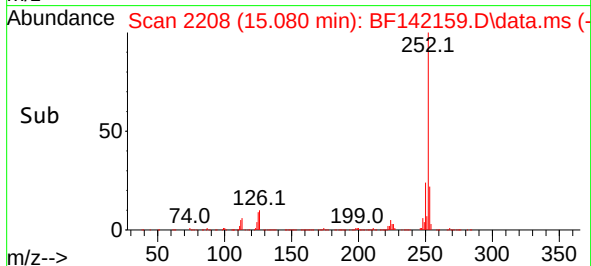
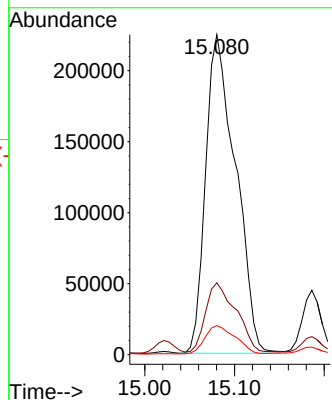
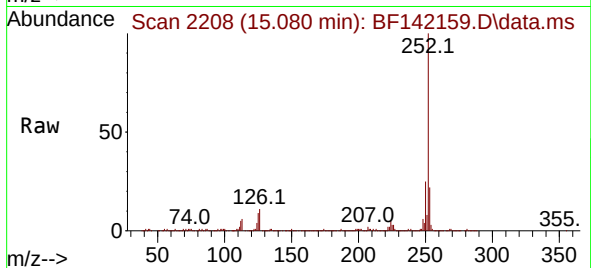
Tgt Ion:252 Resp: 519768

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 9.1 7.2 10.8



#90

Benzo(a)pyrene

Concen: 18.689 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF142159.D

Acq: 28 Mar 2025 14:37

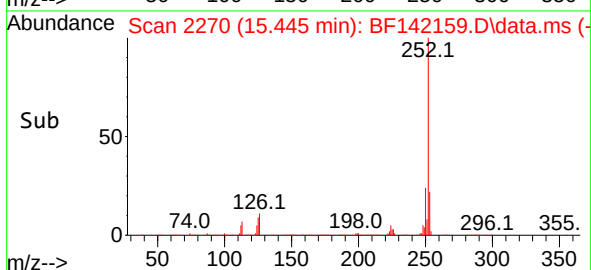
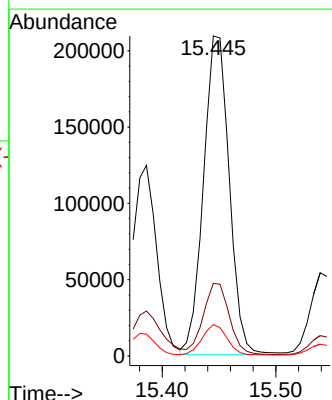
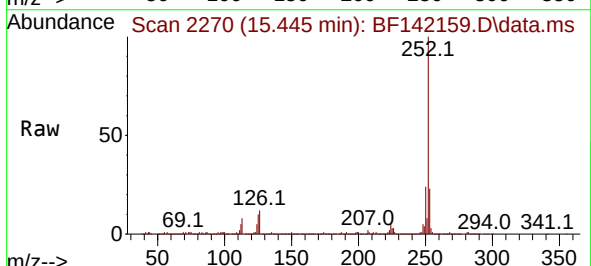
Tgt Ion:252 Resp: 329833

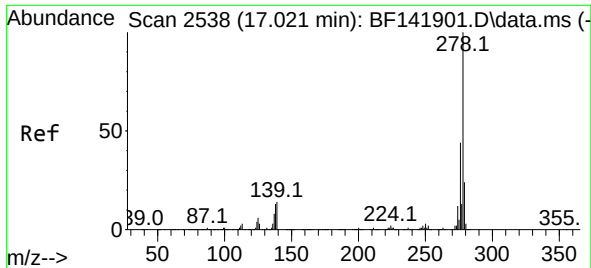
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 9.8 7.8 11.8

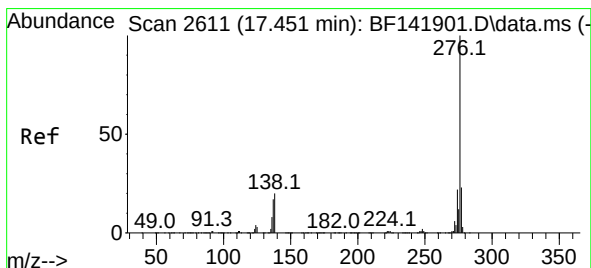
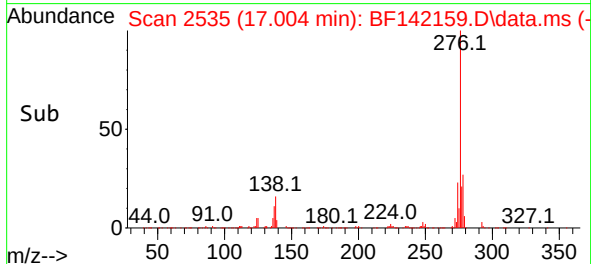
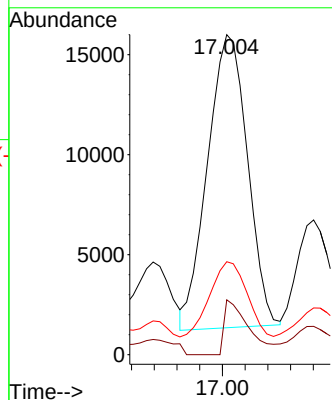
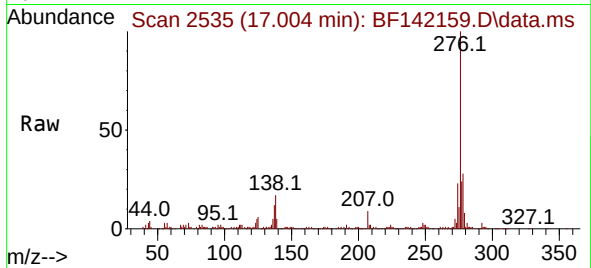




#91
 Dibenzo(a,h)anthracene
 Concen: 2.039 ng
 RT: 17.004 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BF142159.D
 Acq: 28 Mar 2025 14:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Tgt Ion:278 Resp: 35822
 Ion Ratio Lower Upper
 278 100
 139 17.1 11.4 17.2
 279 29.0 18.8 28.2#



#92
 Benzo(g,h,i)perylene
 Concen: 7.781 ng
 RT: 17.445 min Scan# 2610
 Delta R.T. -0.006 min
 Lab File: BF142159.D
 Acq: 28 Mar 2025 14:37

Tgt Ion:276 Resp: 135052
 Ion Ratio Lower Upper
 276 100
 277 22.8 18.7 28.1
 138 17.7 15.8 23.8

