

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141918.D
 Acq On : 11 Mar 2025 16:12
 Operator : RC/JU
 Sample : Q1514-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-105-SB01

Quant Time: Mar 11 16:52:37 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)

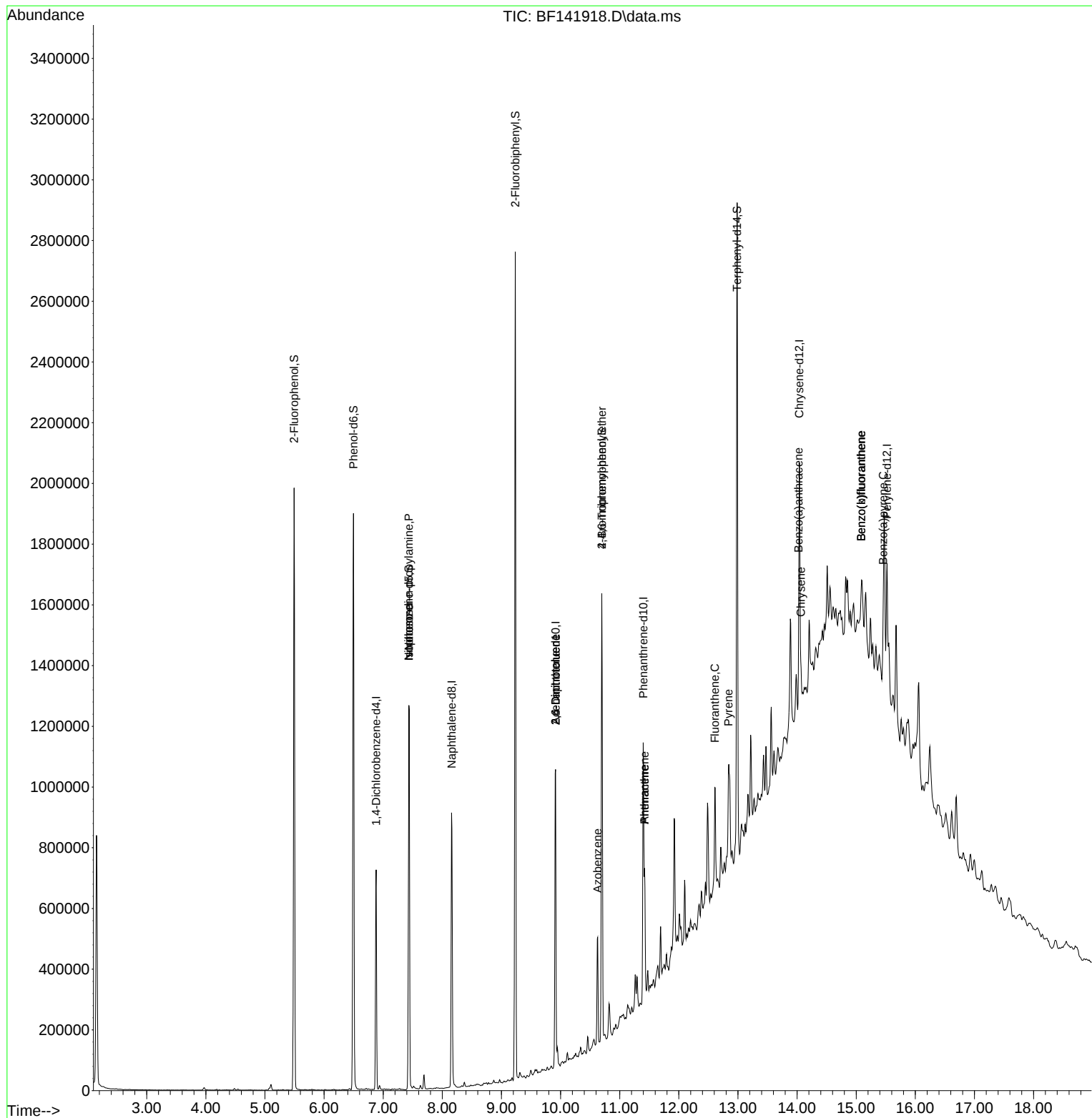
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	150957	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	586367	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	300301	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	431301	20.000	ng	0.00
76) Chrysene-d12	14.039	240	338343	20.000	ng	0.00
86) Perylene-d12	15.521	264	250489	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	749092	82.819	ng	0.00
7) Phenol-d6	6.498	99	900241	78.171	ng	0.00
23) Nitrobenzene-d5	7.434	82	582366	55.892	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	254726	66.862	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1157452	58.617	ng	0.00
79) Terphenyl-d14	12.986	244	1029420	44.982	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	80567	10.888	ng	# 80
25) Isophorone	7.434	82	575061	31.223	ng	# 64
51) 2,6-Dinitrotoluene	9.916	165	38813	8.864	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	38813	6.787	ng	# 25
63) Azobenzene	10.627	77	89282	4.580	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	16398	3.027	ng	# 1
71) Phenanthrene	11.422	178	219318	9.414	ng	99
72) Anthracene	11.422	178	219318	9.384	ng	99
75) Fluoranthene	12.610	202	205658	8.322	ng	99
78) Pyrene	12.839	202	190783	6.519	ng	96
81) Benzo(a)anthracene	14.027	228	92270	4.156	ng	# 88
83) Chrysene	14.063	228	82029	4.076	ng	# 86
88) Benzo(b)fluoranthene	15.086	252	84733	4.936	ng	# 55
89) Benzo(k)fluoranthene	15.086	252	84733	5.768	ng	# 55
90) Benzo(a)pyrene	15.457	252	46734	3.479	ng	# 64

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 11 16:52:37 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

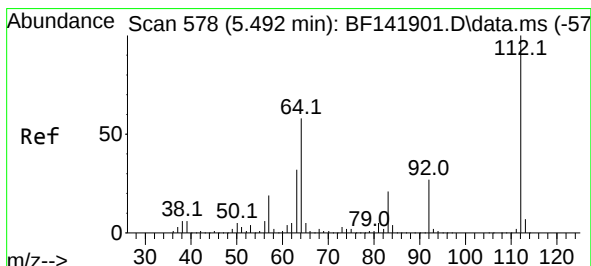
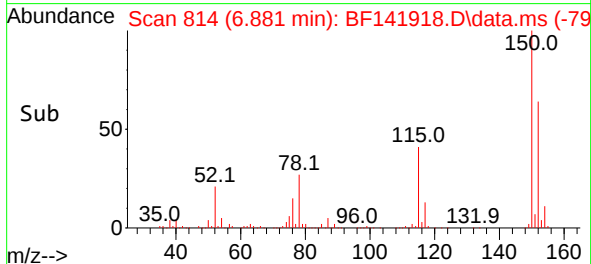
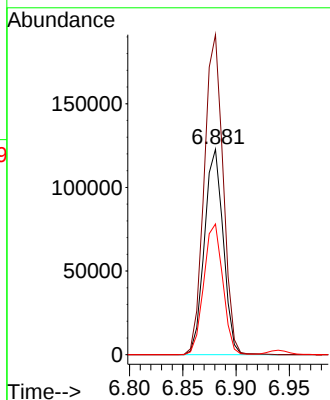
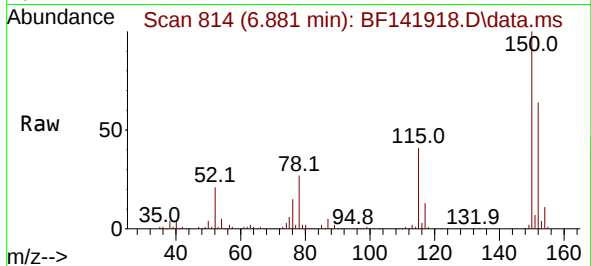




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

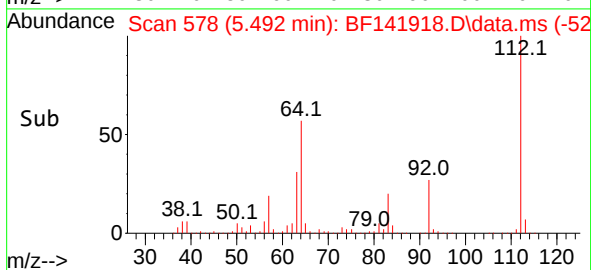
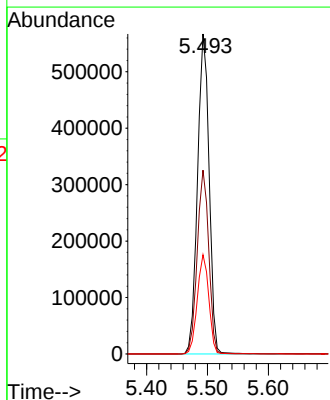
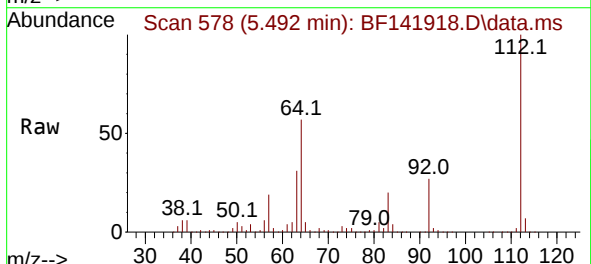
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Tgt Ion:152 Resp: 150957
Ion Ratio Lower Upper
152 100
150 155.8 127.4 191.2
115 63.6 51.9 77.9



#5
2-Fluorophenol
Concen: 82.819 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:112 Resp: 749092
Ion Ratio Lower Upper
112 100
64 57.5 46.5 69.7
63 31.0 25.4 38.2

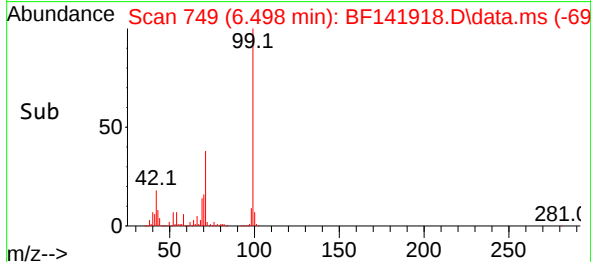
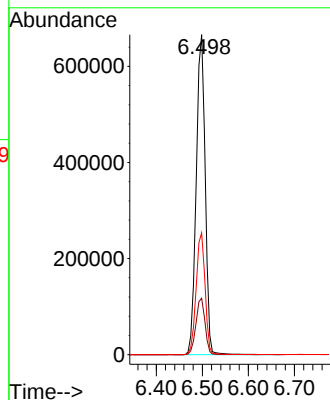
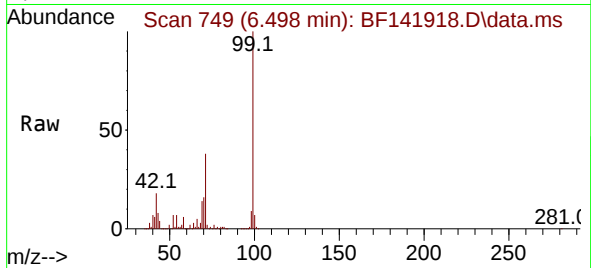




#7
Phenol-d6
Concen: 78.171 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

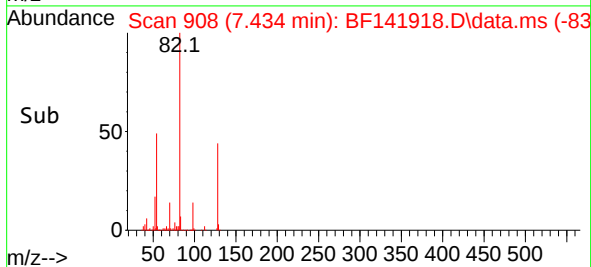
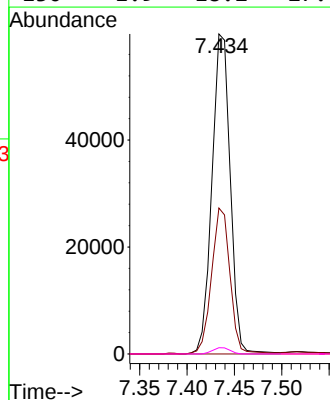
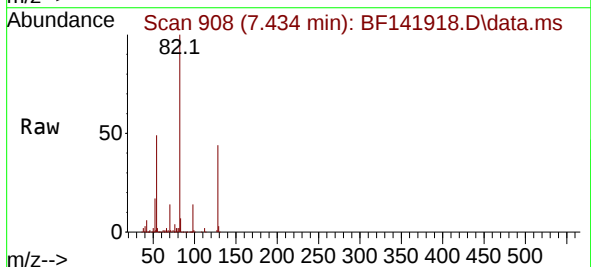
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

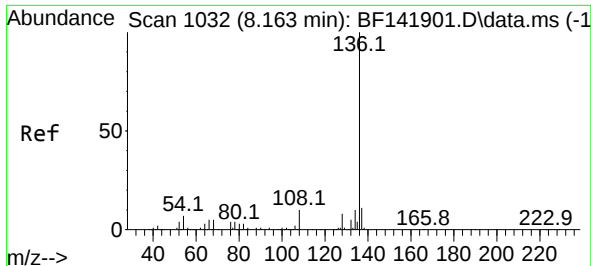
Tgt Ion: 99 Resp: 900241
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 38.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.888 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion: 70 Resp: 80567
Ion Ratio Lower Upper
70 100
42 45.6 41.4 62.0
101 0.0 8.2 12.2#
130 1.9 18.2 27.4#

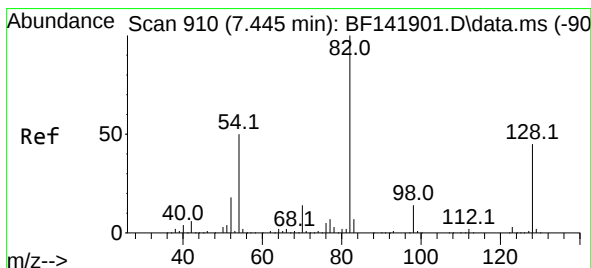
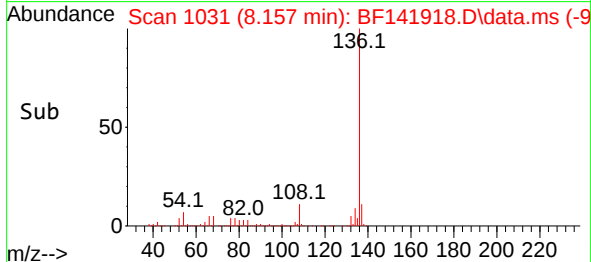
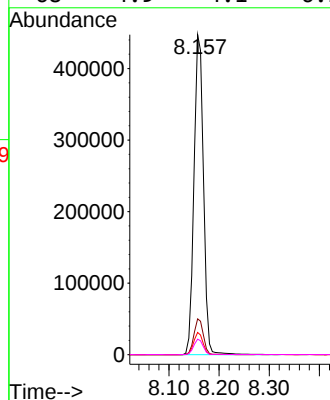
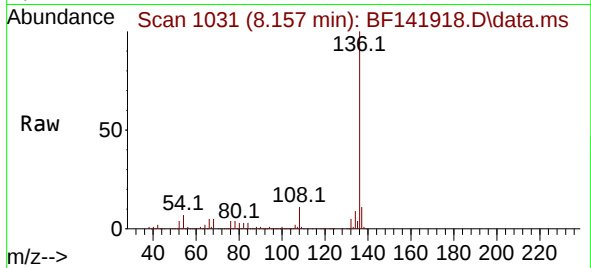




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

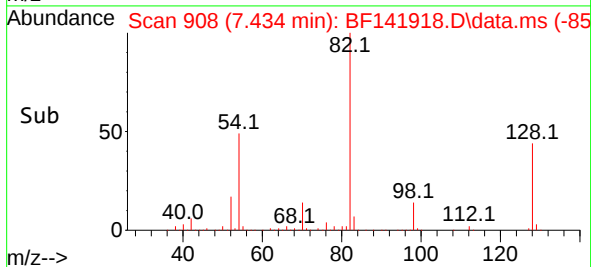
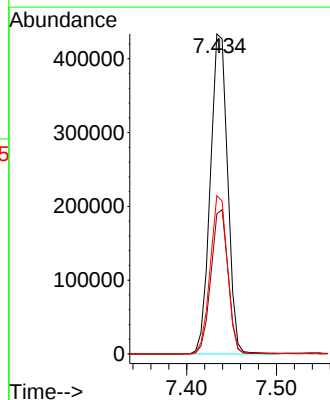
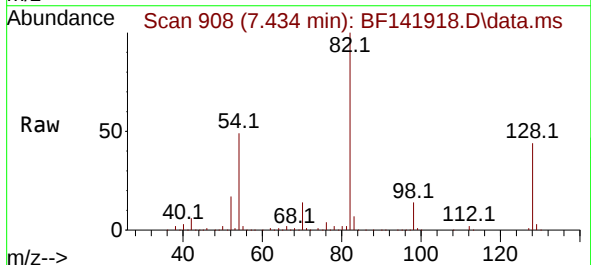
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Tgt Ion:136 Resp: 586367
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.9 5.8 8.8
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 55.892 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion: 82 Resp: 582366
Ion Ratio Lower Upper
82 100
128 43.8 36.0 54.0
54 49.4 39.6 59.4

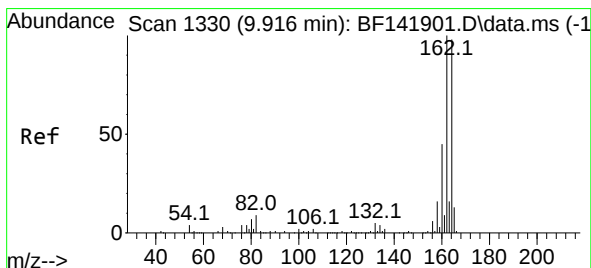
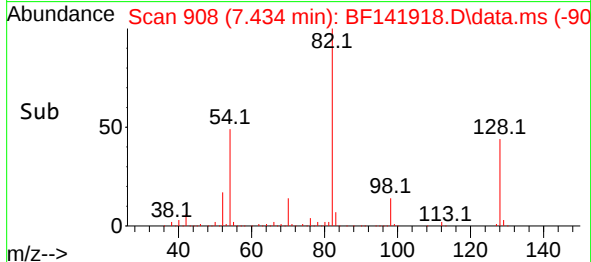
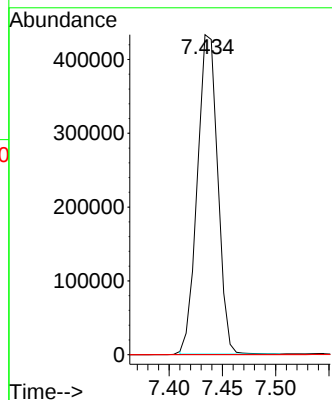
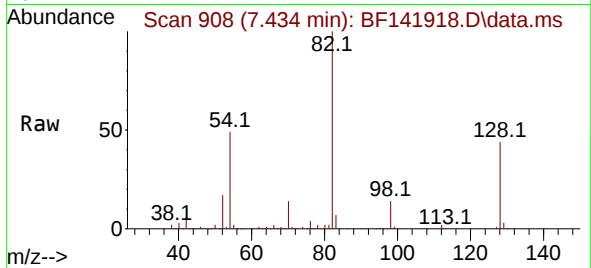




#25
Isophorone
Concen: 31.223 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

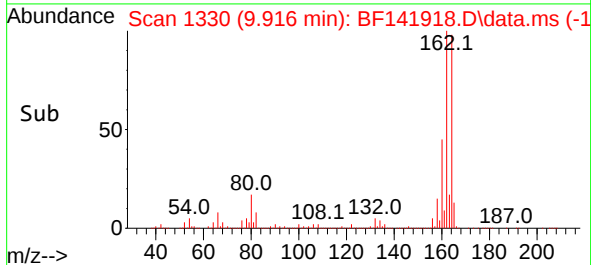
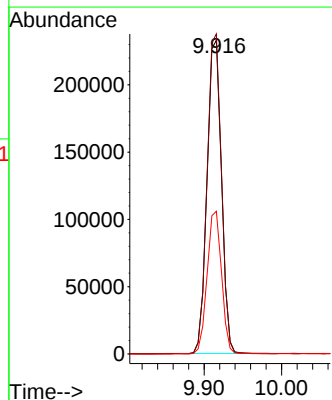
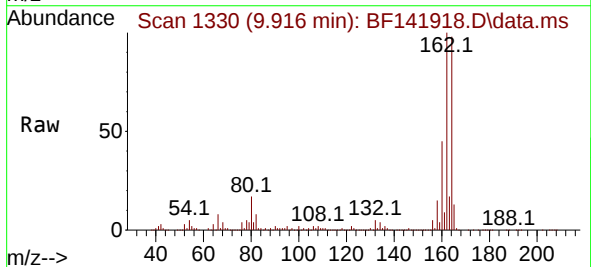
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Tgt Ion: 82 Resp: 575061
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:164 Resp: 300301
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 45.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 66.862 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

ENV-105-SB01

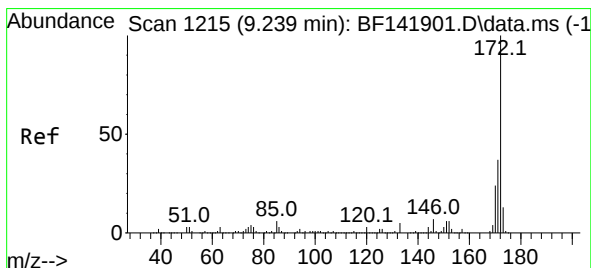
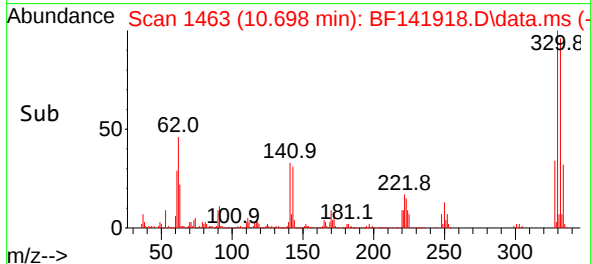
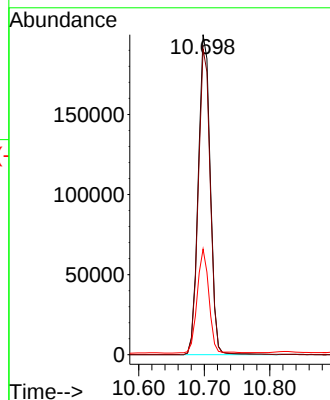
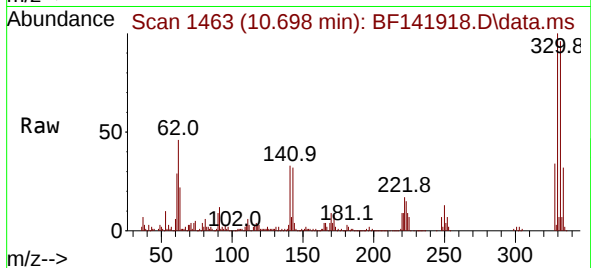
Tgt Ion:330 Resp: 254726

Ion Ratio Lower Upper

330 100

332 95.3 77.6 116.4

141 31.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 58.617 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

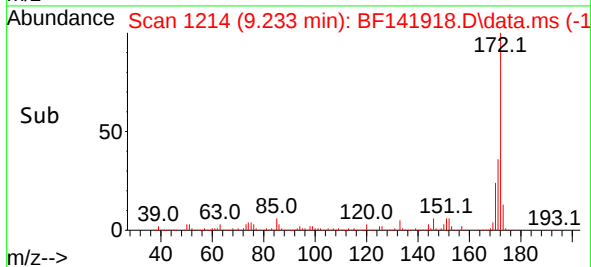
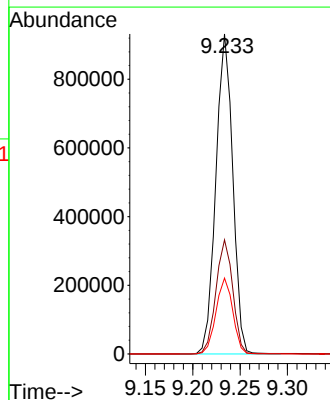
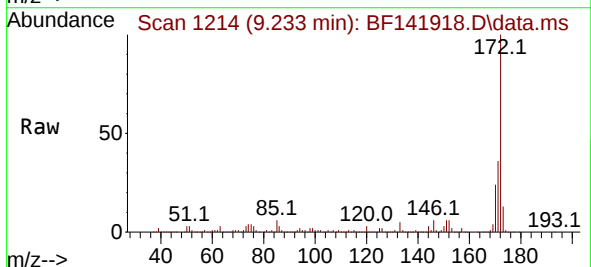
Tgt Ion:172 Resp: 1157452

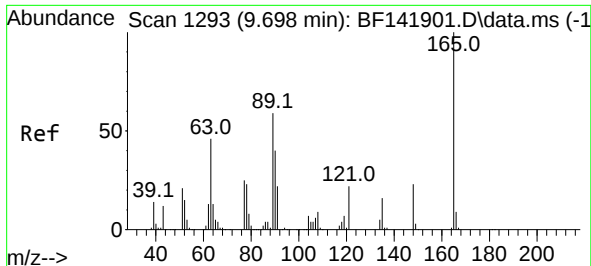
Ion Ratio Lower Upper

172 100

171 35.6 29.3 43.9

170 23.7 19.4 29.0

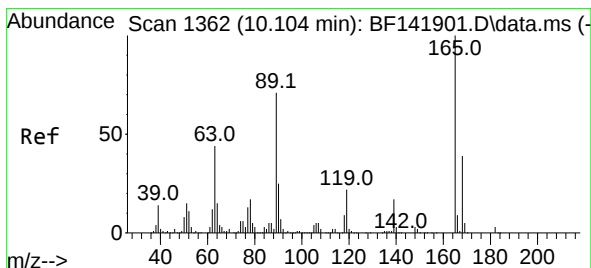
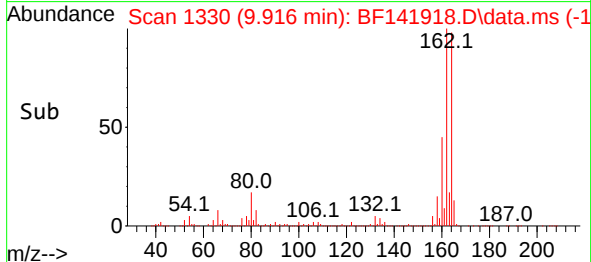
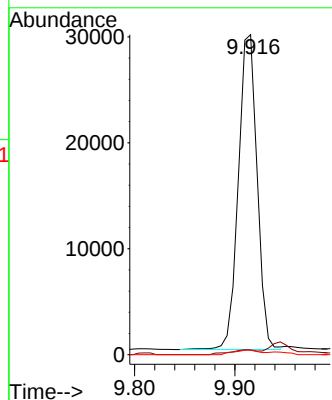
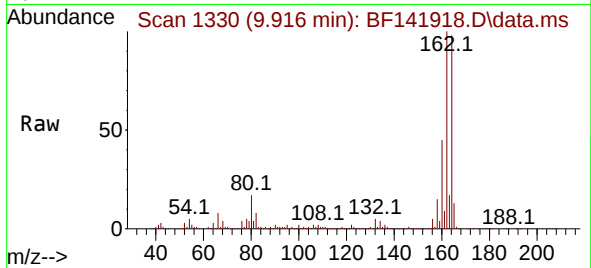




#51
2,6-Dinitrotoluene
Concen: 8.864 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

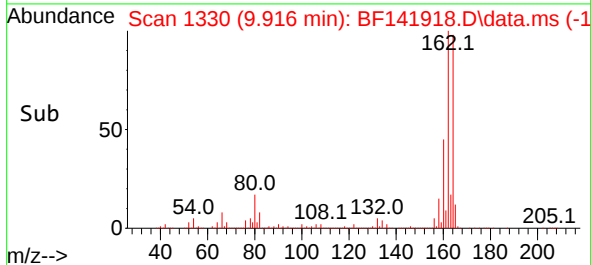
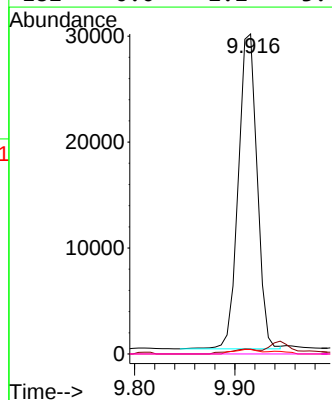
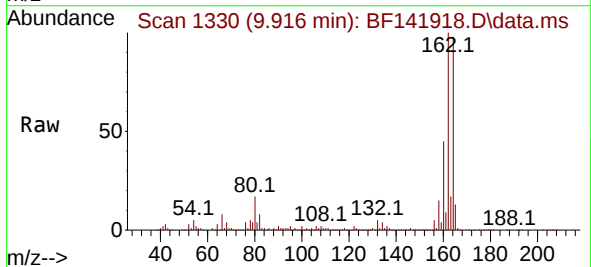
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

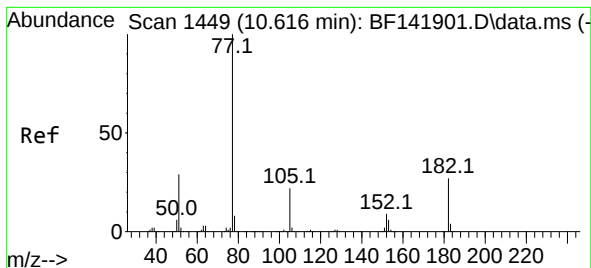
Tgt Ion:165 Resp: 38813
Ion Ratio Lower Upper
165 100
63 1.5 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.787 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:165 Resp: 38813
Ion Ratio Lower Upper
165 100
63 1.5 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.580 ng

RT: 10.627 min Scan# 1449

Delta R.T. 0.012 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

ENV-105-SB01

Tgt Ion: 77 Resp: 89282

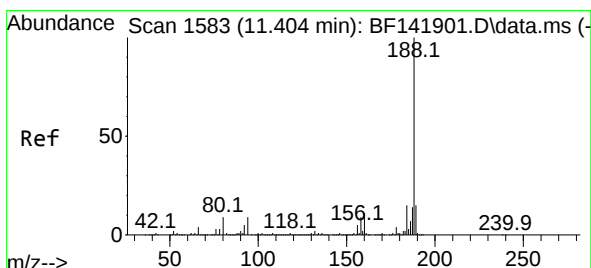
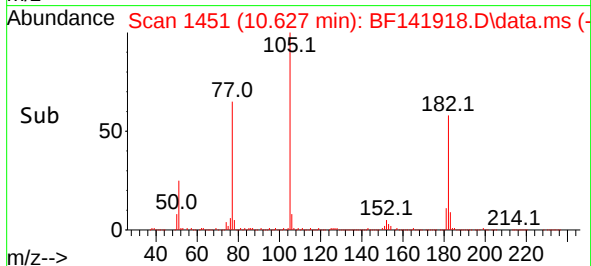
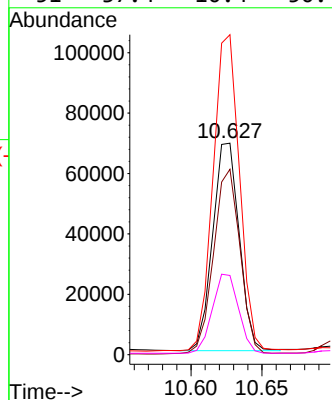
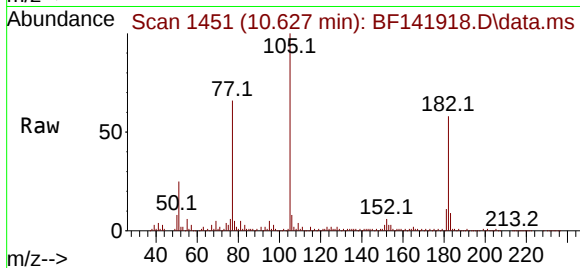
Ion Ratio Lower Upper

77 100

182 87.7 6.6 46.6#

105 151.3 1.3 41.3#

51 37.4 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

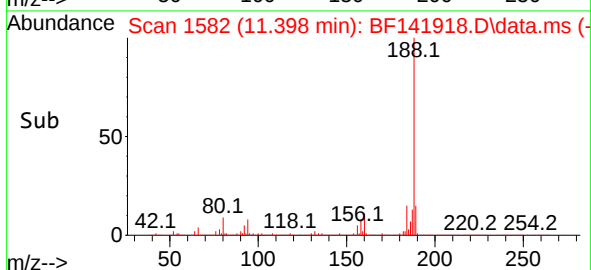
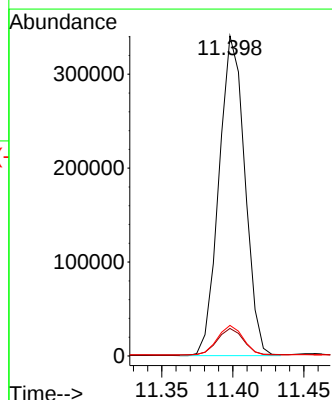
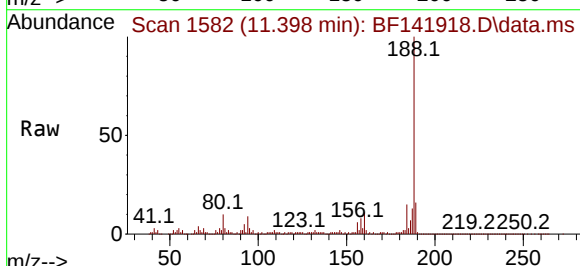
Tgt Ion: 188 Resp: 431301

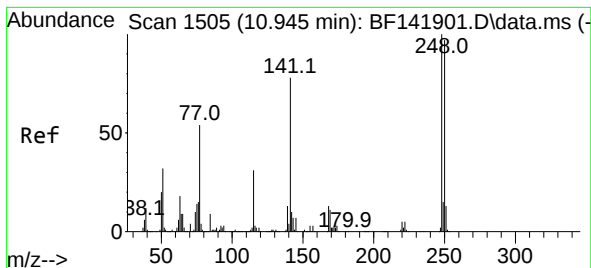
Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

80 9.5 7.6 11.4

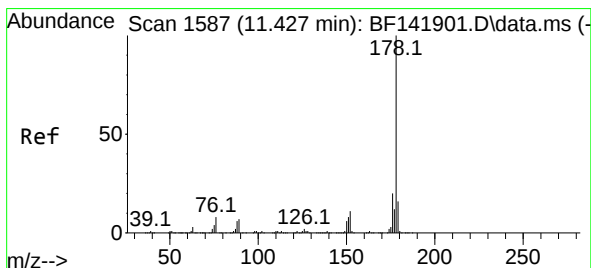
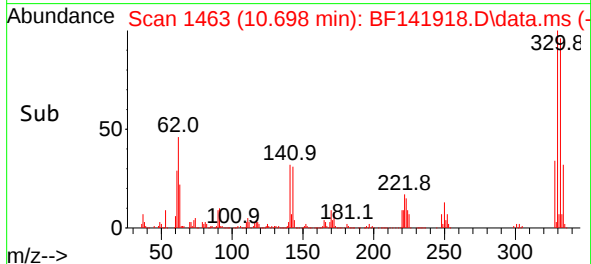
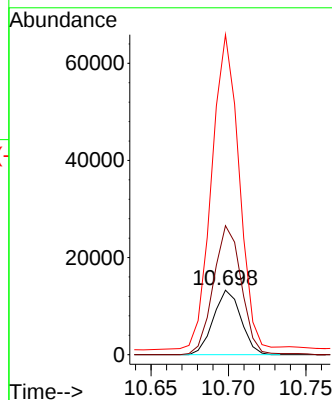
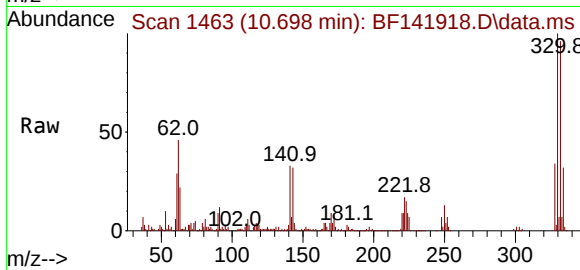




#67
4-Bromophenyl-phenylether
Concen: 3.027 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

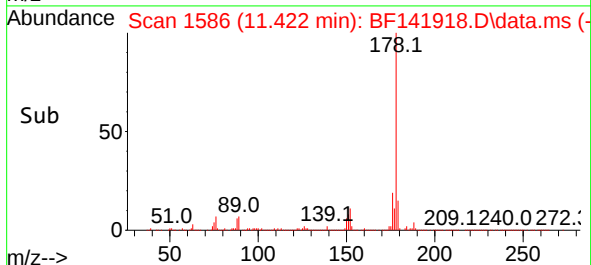
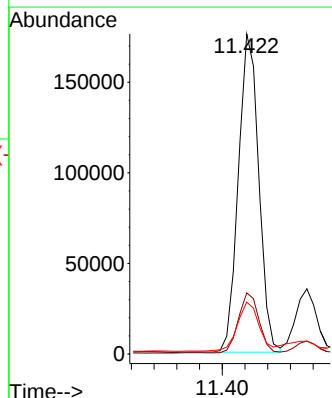
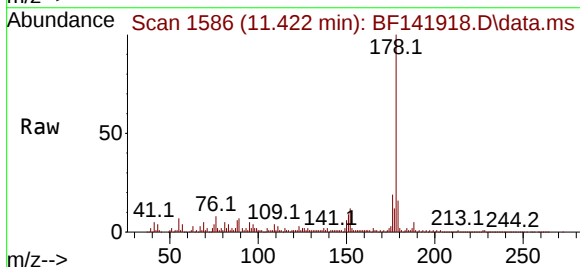
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

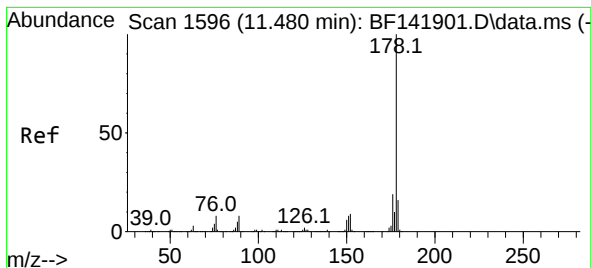
Tgt Ion:248 Resp: 16398
Ion Ratio Lower Upper
248 100
250 200.1 77.8 116.8#
141 496.8 62.6 93.8#



#71
Phenanthrene
Concen: 9.414 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:178 Resp: 219318
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 16.2 12.6 19.0





#72

Anthracene

Concen: 9.384 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.059 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

ENV-105-SB01

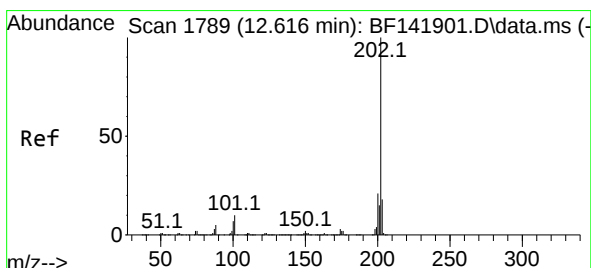
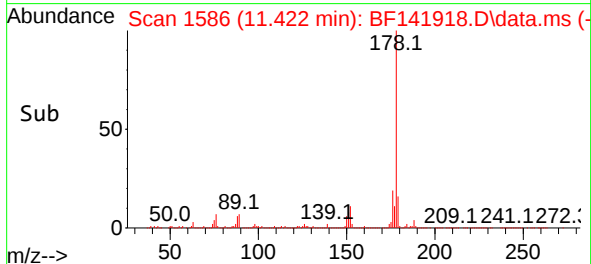
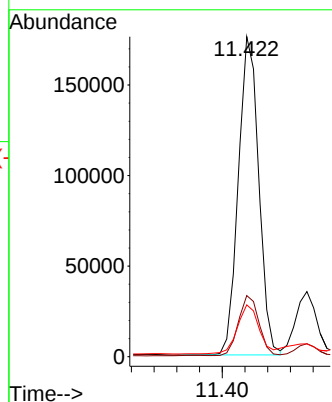
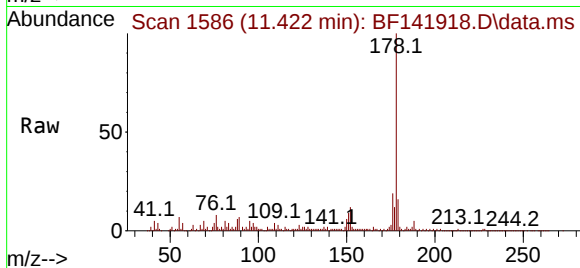
Tgt Ion:178 Resp: 219318

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 16.2 12.6 19.0



#75

Fluoranthene

Concen: 8.322 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

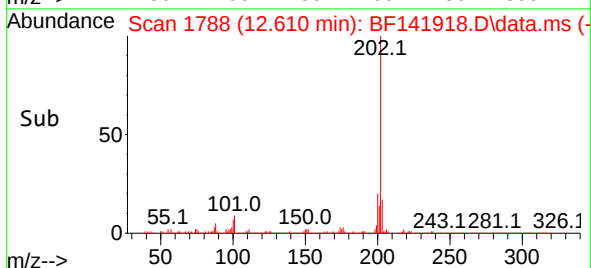
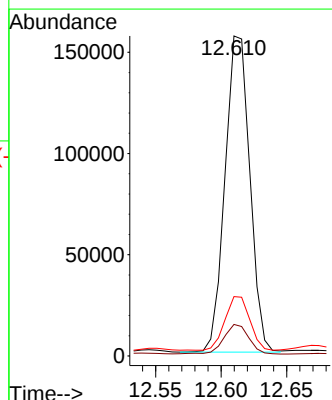
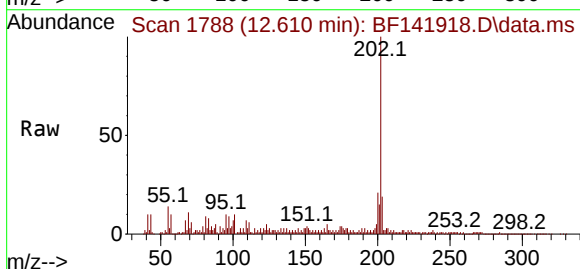
Tgt Ion:202 Resp: 205658

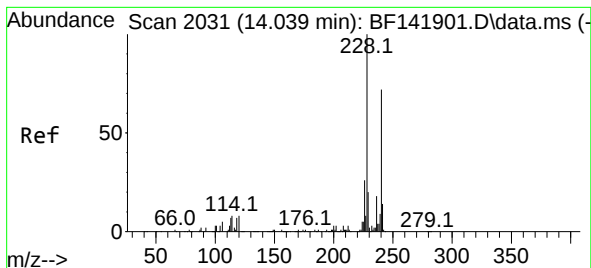
Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.7

203 18.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

ENV-105-SB01

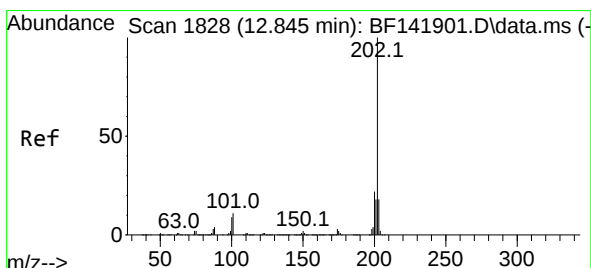
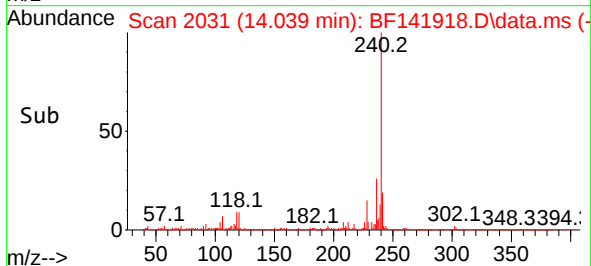
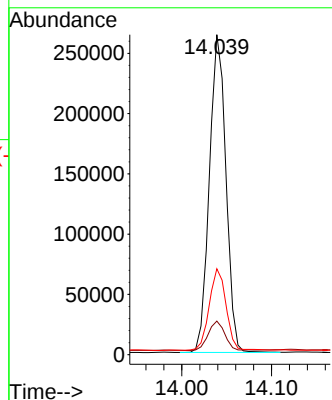
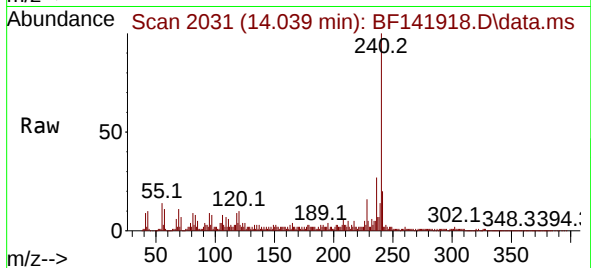
Tgt Ion:240 Resp: 338343

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

236 26.9 20.5 30.7



#78

Pyrene

Concen: 6.519 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

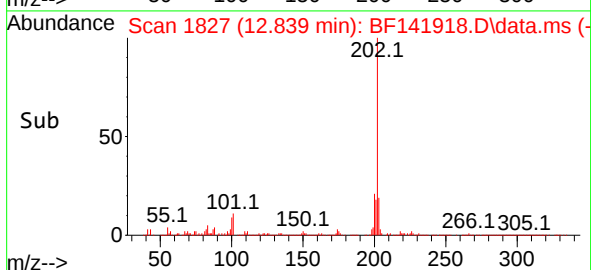
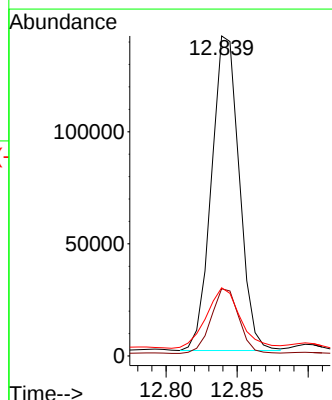
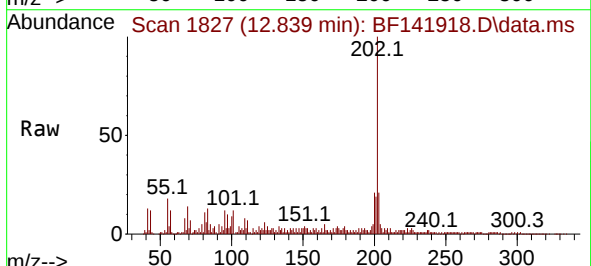
Tgt Ion:202 Resp: 190783

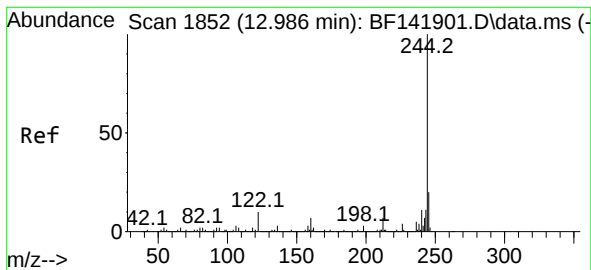
Ion Ratio Lower Upper

202 100

200 21.0 17.3 25.9

203 21.3 14.4 21.6





#79

Terphenyl-d14

Concen: 44.982 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

ENV-105-SB01

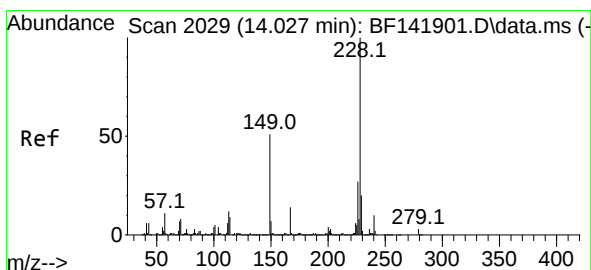
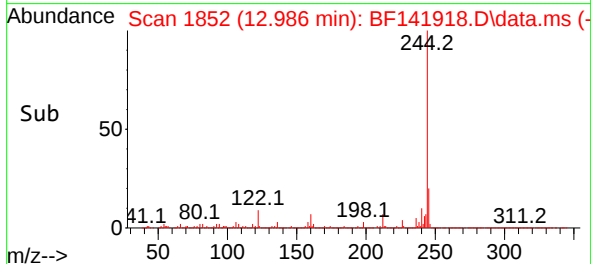
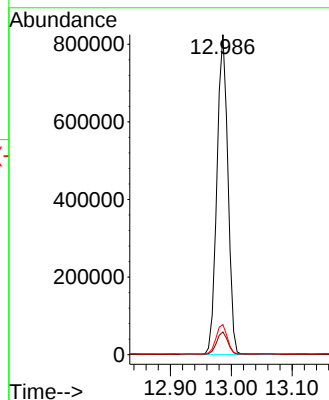
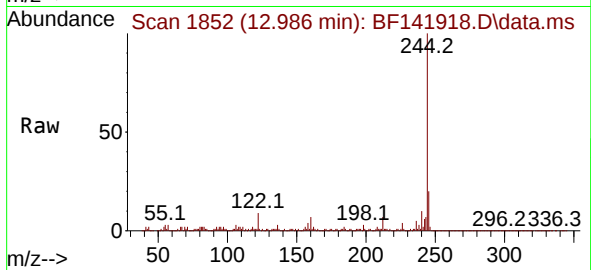
Tgt Ion:244 Resp: 1029420

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.4 7.7 11.5



#81

Benzo(a)anthracene

Concen: 4.156 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

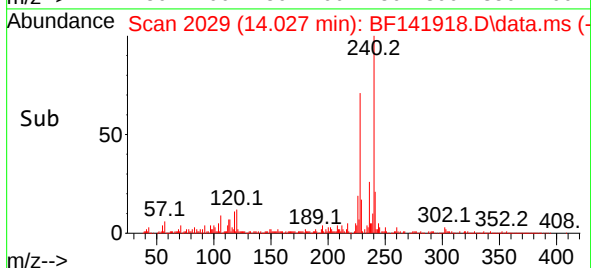
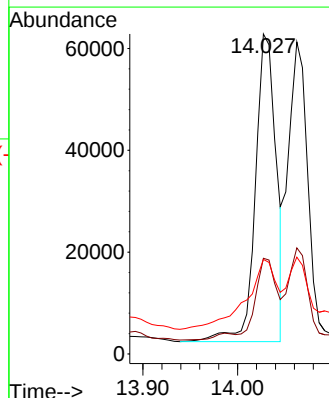
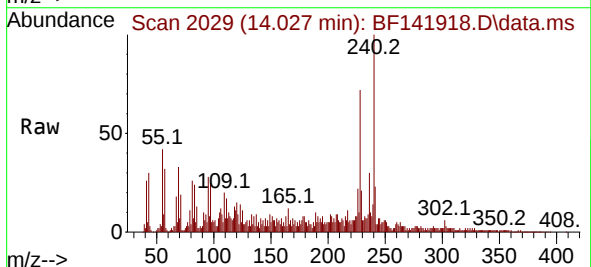
Tgt Ion:228 Resp: 92270

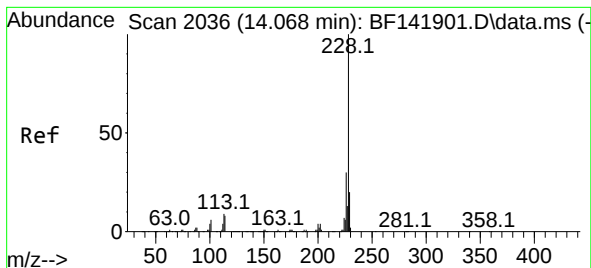
Ion Ratio Lower Upper

228 100

226 29.9 21.8 32.8

229 29.5 16.0 24.0#





#83

Chrysene

Concen: 4.076 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

ENV-105-SB01

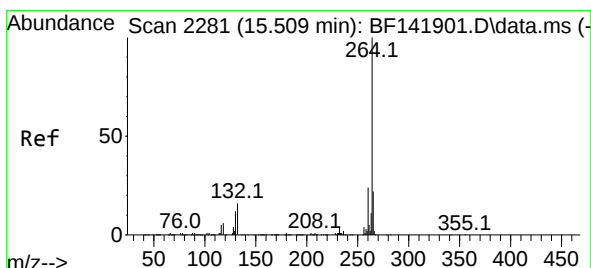
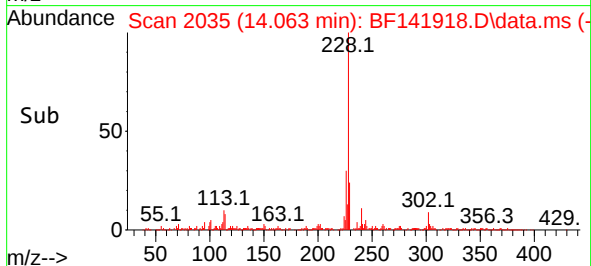
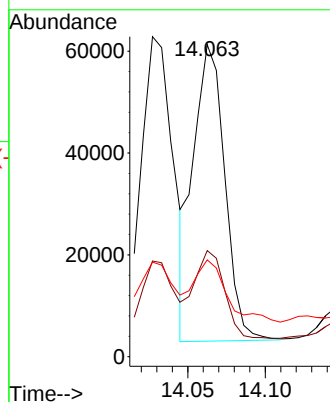
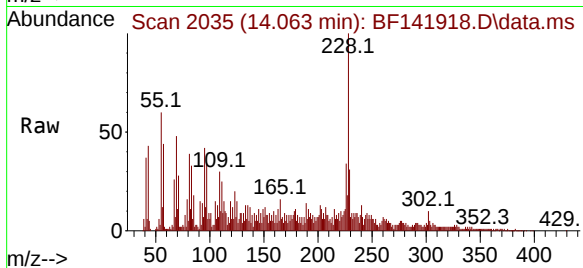
Tgt Ion:228 Resp: 82029

Ion Ratio Lower Upper

228 100

226 34.0 24.1 36.1

229 31.0 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. 0.012 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

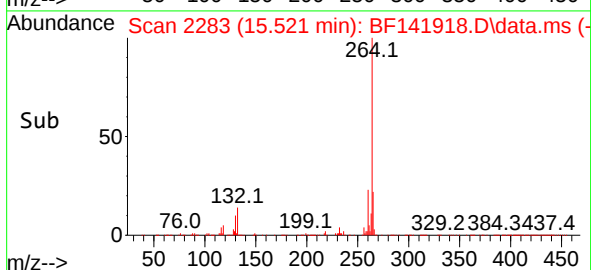
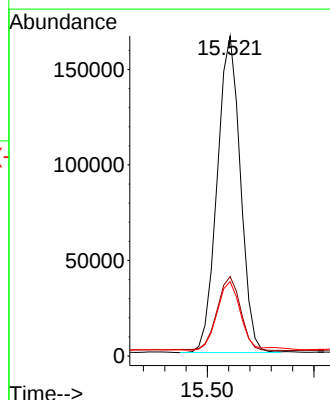
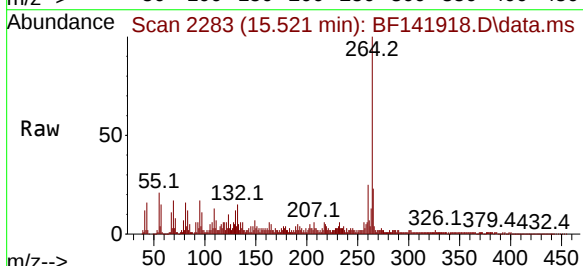
Tgt Ion:264 Resp: 250489

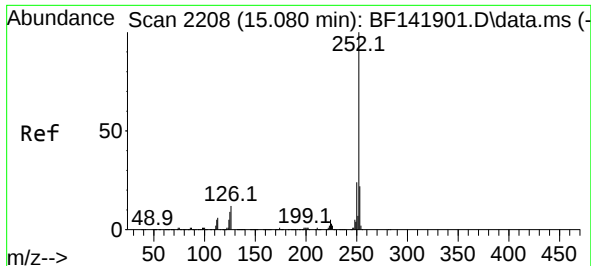
Ion Ratio Lower Upper

264 100

260 24.8 19.1 28.7

265 23.2 17.5 26.3

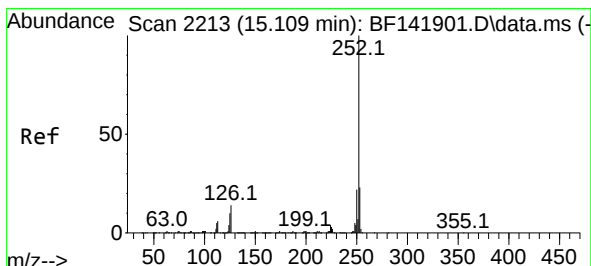
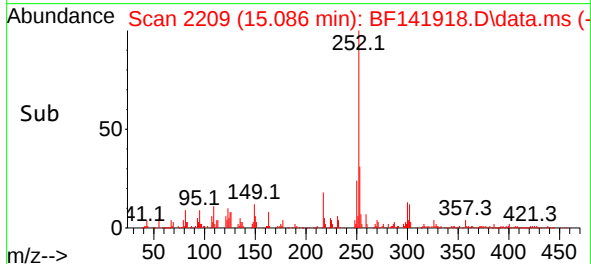
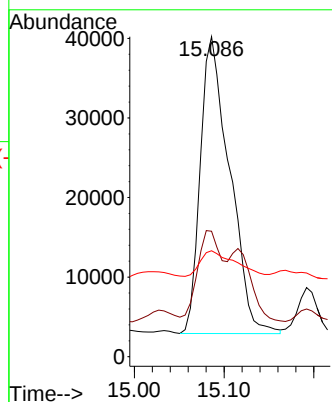
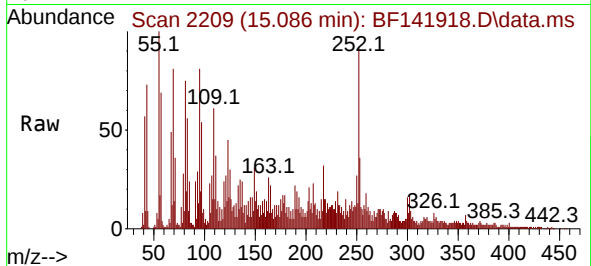




#88
Benzo(b)fluoranthene
Concen: 4.936 ng
RT: 15.086 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

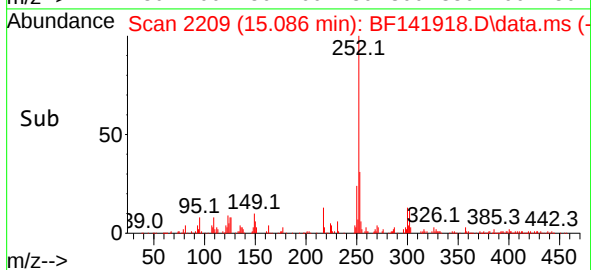
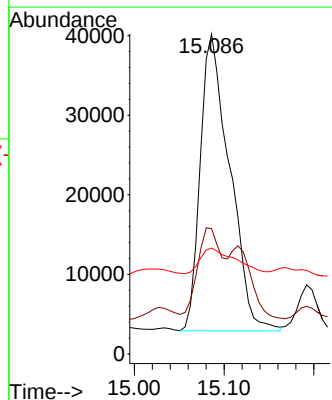
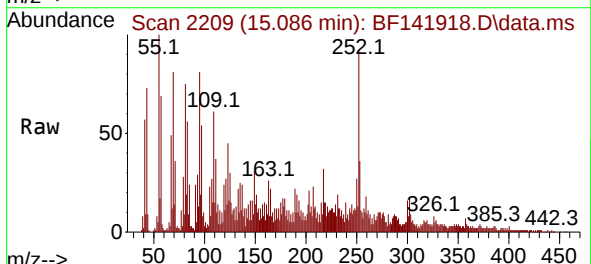
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

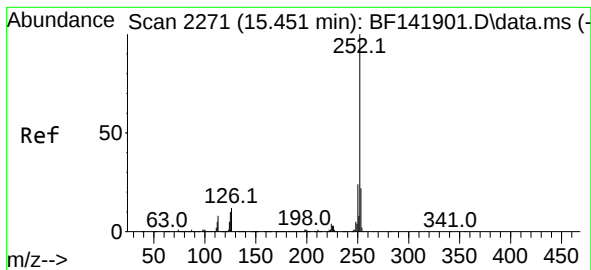
Tgt Ion:252 Resp: 84733
Ion Ratio Lower Upper
252 100
253 39.2 17.5 26.3#
125 33.1 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 5.768 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.023 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:252 Resp: 84733
Ion Ratio Lower Upper
252 100
253 39.2 17.7 26.5#
125 33.1 7.2 10.8#





#90
 Benzo(a)pyrene
 Concen: 3.479 ng
 RT: 15.457 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF141918.D
 Acq: 11 Mar 2025 16:12

Instrument :
 BNA_F
 ClientSampleId :
 ENV-105-SB01

Tgt Ion:252 Resp: 46734
 Ion Ratio Lower Upper
 252 100
 253 31.2 17.4 26.0#
 125 36.5 7.8 11.8#

