

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141915.D
 Acq On : 11 Mar 2025 14:26
 Operator : RC/JU
 Sample : Q1514-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-103-SB01

Quant Time: Mar 11 14:55:31 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	153238	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	609925	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	347323	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	611592	20.000	ng	0.00
76) Chrysene-d12	14.033	240	452771	20.000	ng	0.00
86) Perylene-d12	15.504	264	421172	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	781927	85.162	ng	0.00
7) Phenol-d6	6.498	99	977722	83.636	ng	0.00
23) Nitrobenzene-d5	7.434	82	650895	60.056	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	379614	86.154	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1367158	59.863	ng	0.00
79) Terphenyl-d14	12.986	244	1706898	55.736	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	90258	12.016	ng	# 79
25) Isophorone	7.434	82	643928	33.611	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	45398	8.965	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	45398	6.864	ng	# 24
63) Azobenzene	10.622	77	104454	4.633	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	24107	3.139	ng	# 1
71) Phenanthrene	11.422	178	90943	2.753	ng	98
75) Fluoranthene	12.610	202	111477	3.181	ng	99
77) Benzidine	12.980	184	23213	3.675	ng	# 87
78) Pyrene	12.839	202	115154	2.940	ng	98
89) Benzo(k)fluoranthene	15.074	252	57062	2.310	ng	# 94

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

BNA F

BNA F

ClientSampleId :

ENV-103-SB01

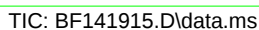
Quant Time: Mar 11 14:55:31 2025

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

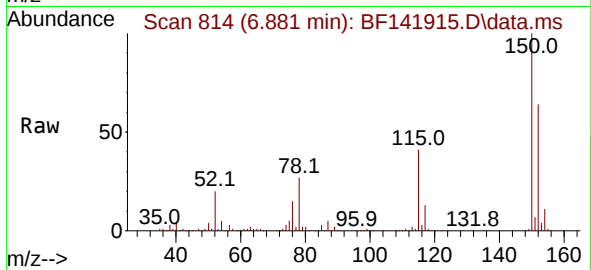
Response via : Initial Calibration



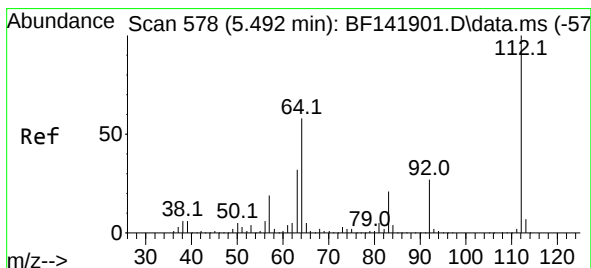
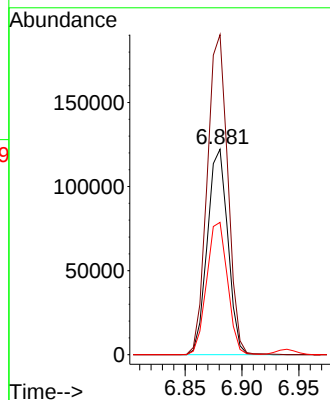
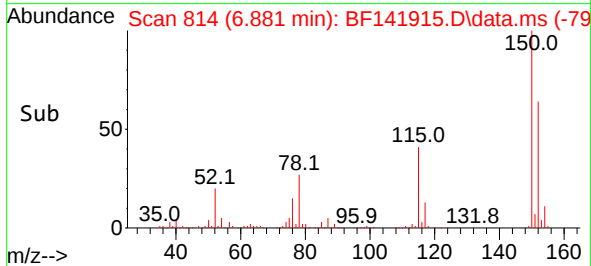


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

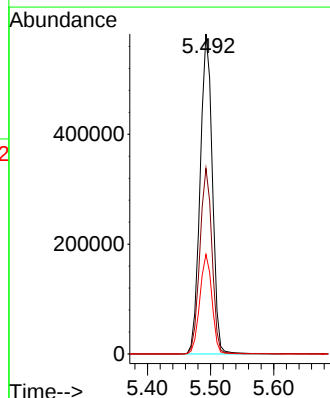
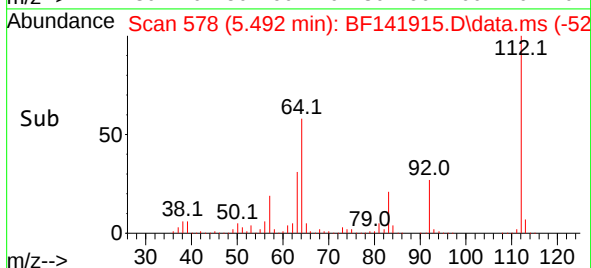
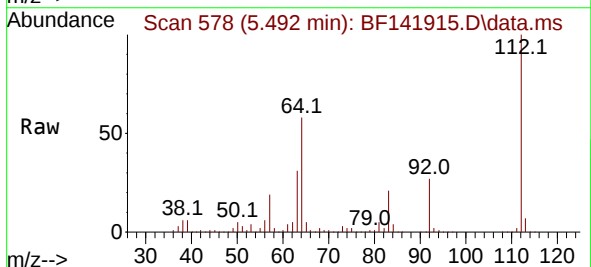


Tgt Ion:152 Resp: 153238
Ion Ratio Lower Upper
152 100
150 155.7 127.4 191.2
115 64.4 51.9 77.9



#5
2-Fluorophenol
Concen: 85.162 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:112 Resp: 781927
Ion Ratio Lower Upper
112 100
64 58.0 46.5 69.7
63 31.1 25.4 38.2

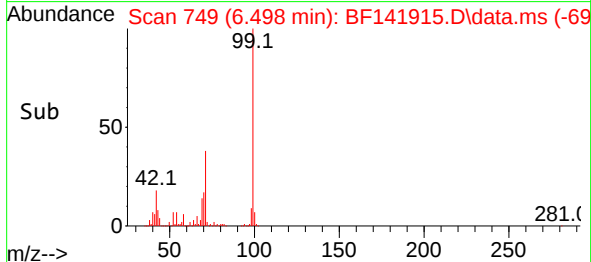
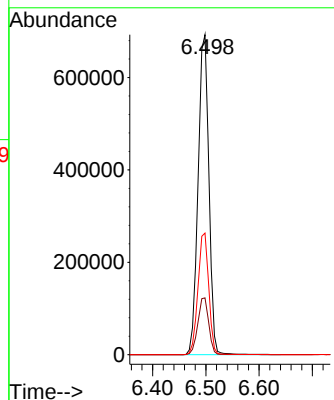
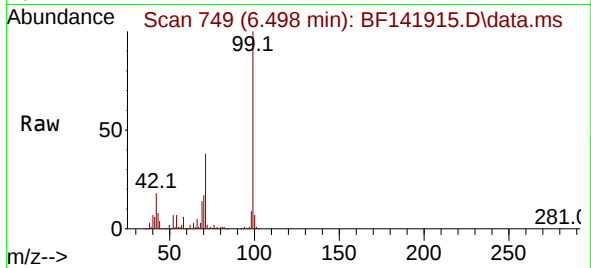




#7
Phenol-d6
Concen: 83.636 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

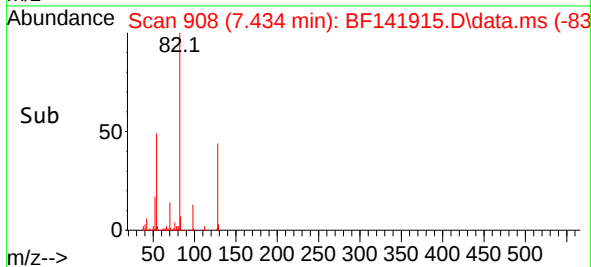
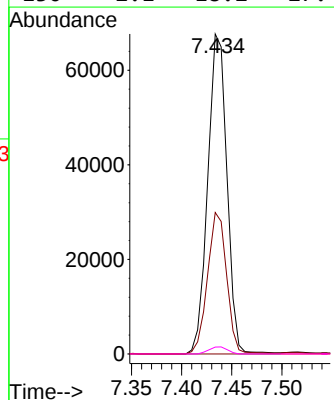
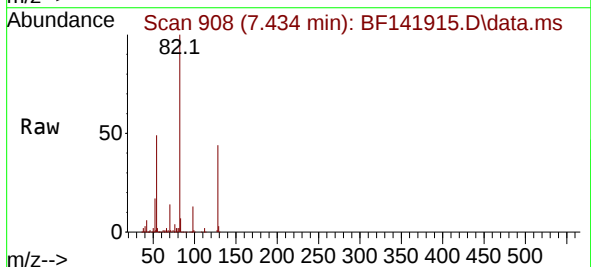
Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion: 99 Resp: 977722
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 38.0 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.016 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion: 70 Resp: 90258
Ion Ratio Lower Upper
70 100
42 44.2 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#

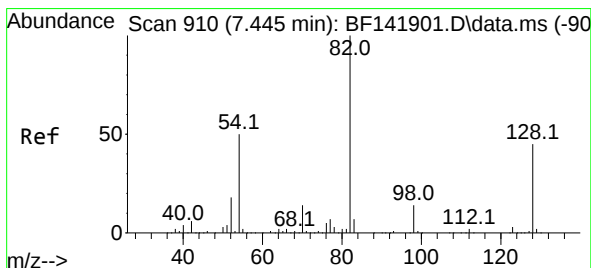
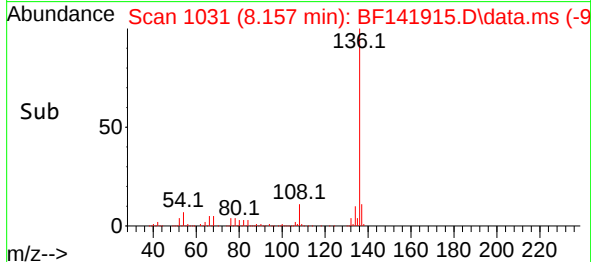
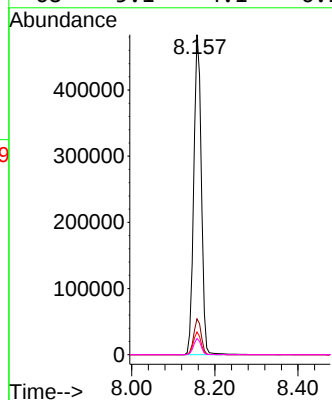
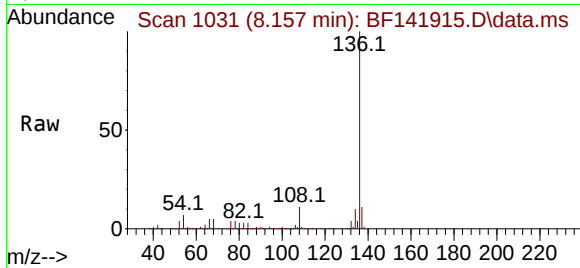




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

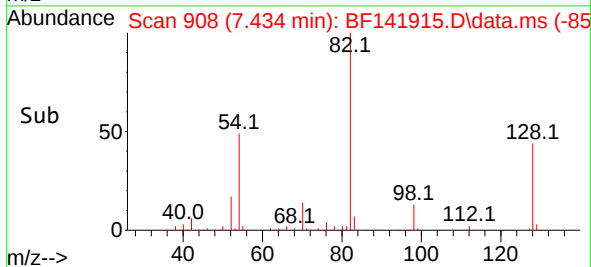
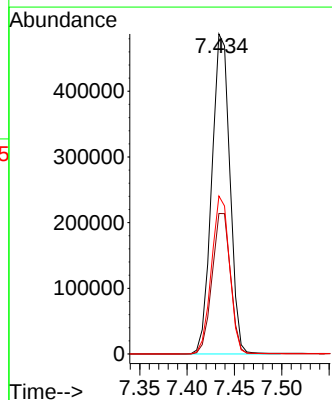
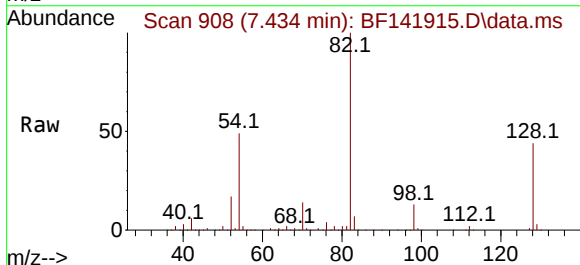
Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:136 Resp: 609925
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.1 5.8 8.8
68 5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 60.056 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion: 82 Resp: 650895
Ion Ratio Lower Upper
82 100
128 43.9 36.0 54.0
54 49.3 39.6 59.4

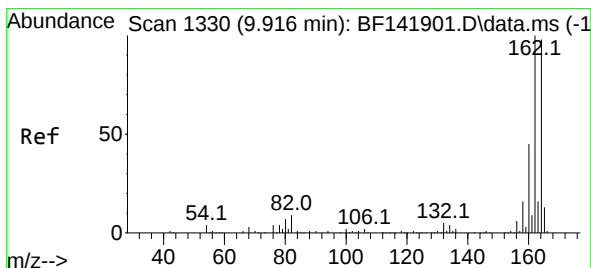
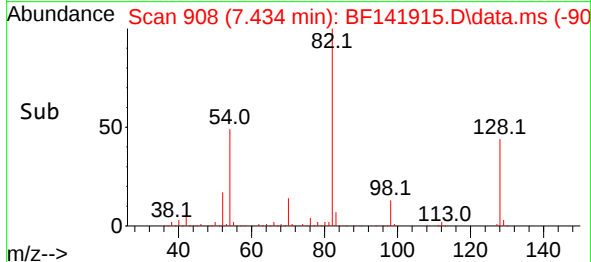
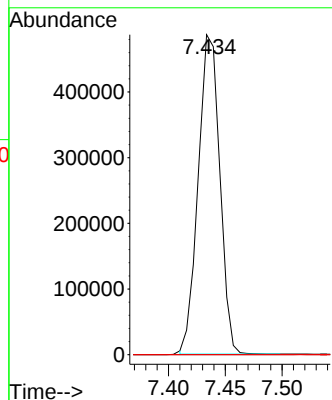
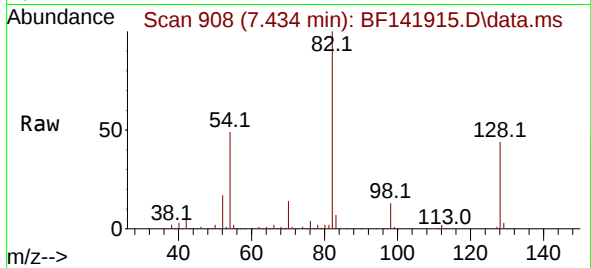




#25
Isophorone
Concen: 33.611 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

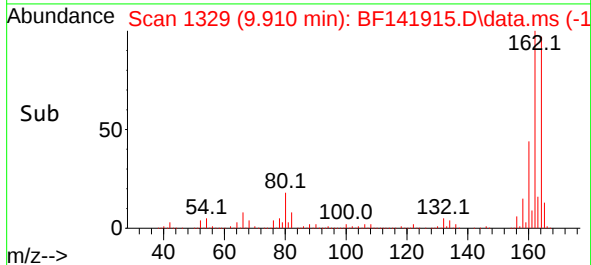
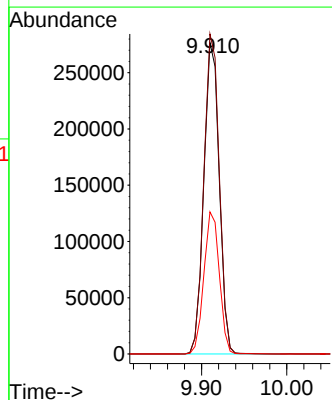
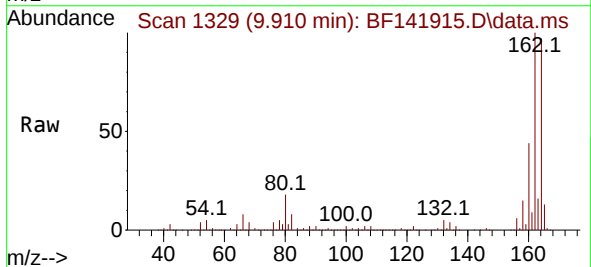
Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion: 82 Resp: 643928
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: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:164 Resp: 347323
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 45.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 86.154 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141915.D

Acq: 11 Mar 2025 14:26

Instrument :

BNA_F

ClientSampleId :

ENV-103-SB01

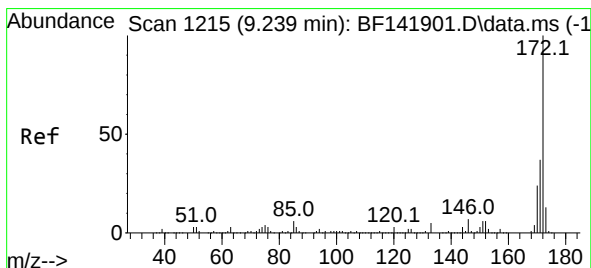
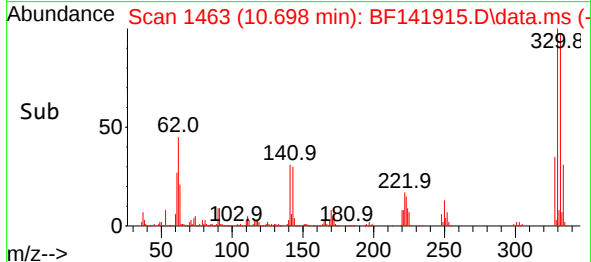
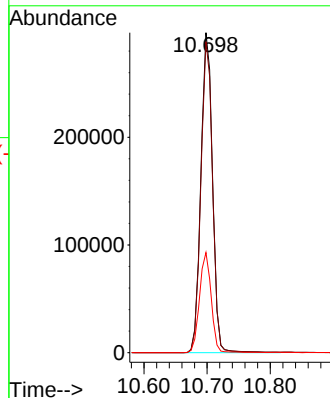
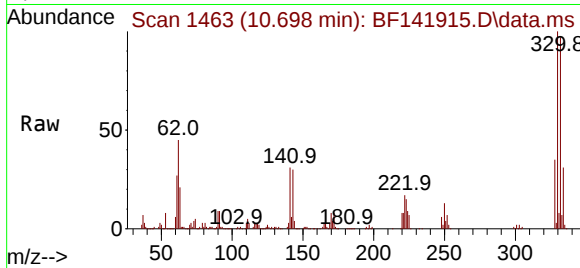
Tgt Ion:330 Resp: 379614

Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

141 31.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 59.863 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141915.D

Acq: 11 Mar 2025 14:26

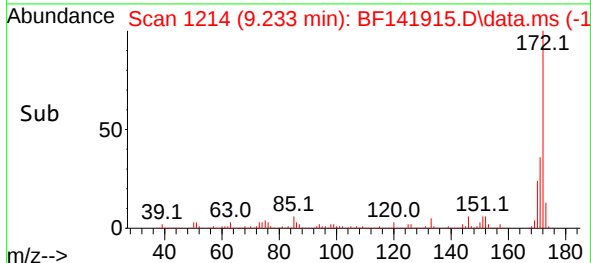
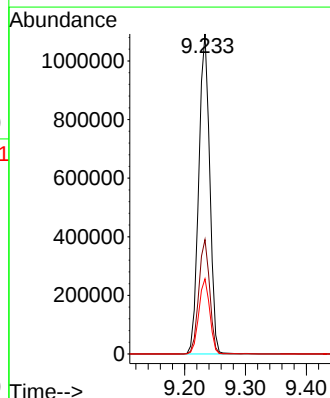
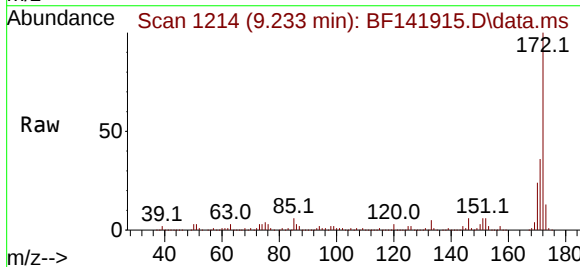
Tgt Ion:172 Resp: 1367158

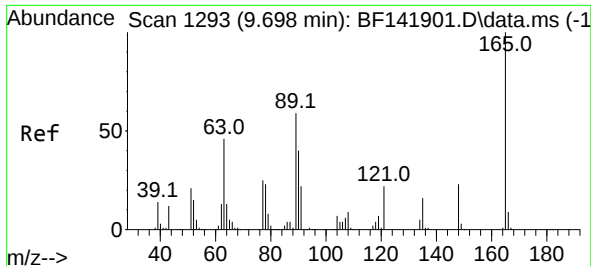
Ion Ratio Lower Upper

172 100

171 35.8 29.3 43.9

170 23.5 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.965 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF141915.D

Acq: 11 Mar 2025 14:26

Instrument :

BNA_F

ClientSampleId :

ENV-103-SB01

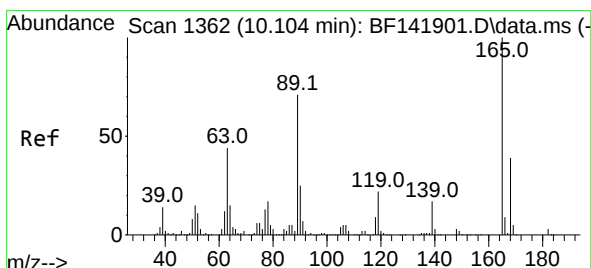
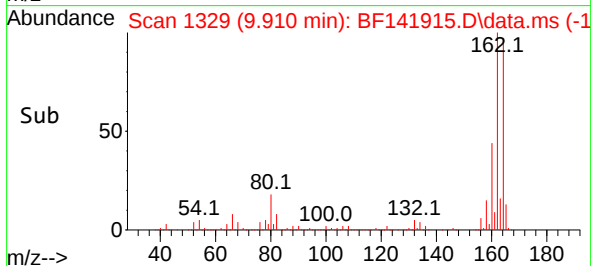
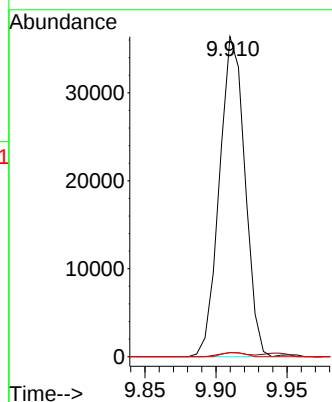
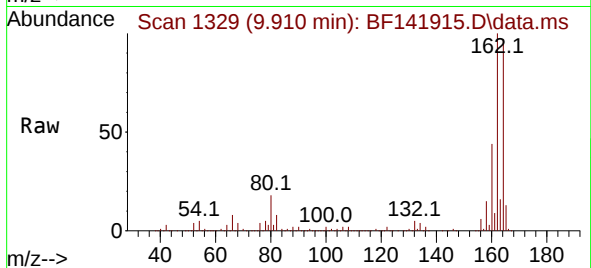
Tgt Ion:165 Resp: 45398

Ion Ratio Lower Upper

165 100

63 1.3 47.0 70.4#

89 1.2 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.864 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF141915.D

Acq: 11 Mar 2025 14:26

Tgt Ion:165 Resp: 45398

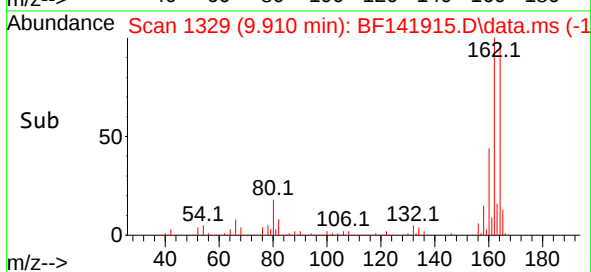
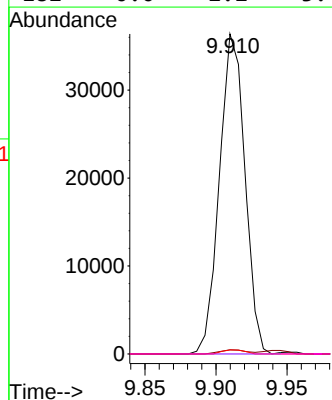
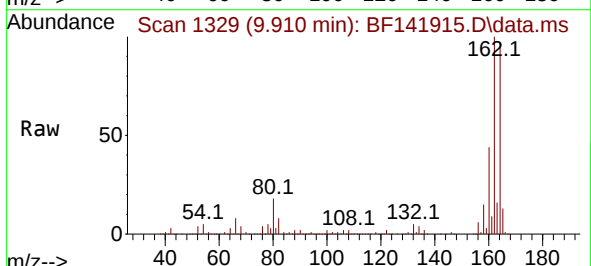
Ion Ratio Lower Upper

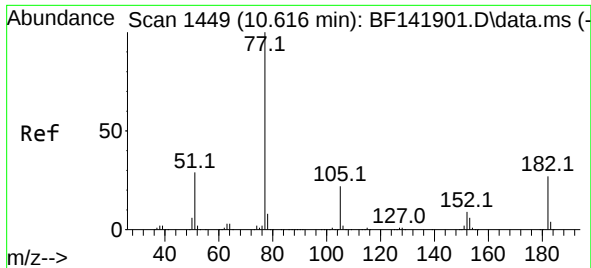
165 100

63 1.3 35.4 53.2#

89 1.2 56.6 84.8#

182 0.0 2.2 3.4#

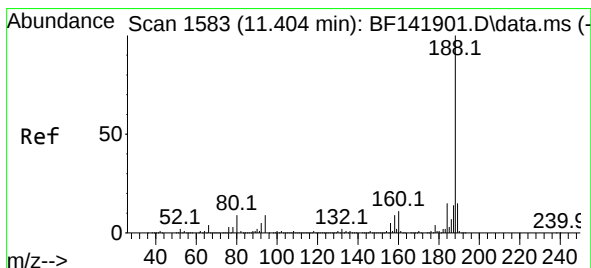
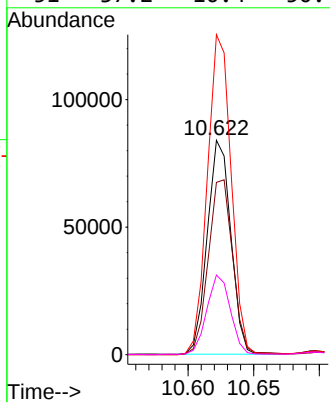
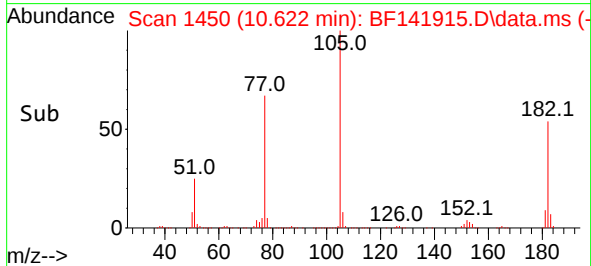
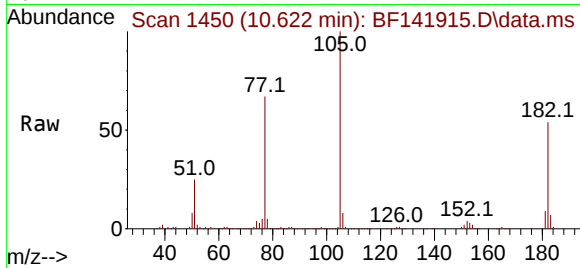




#63
Azobenzene
Concen: 4.633 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

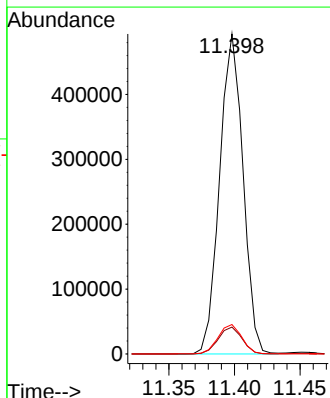
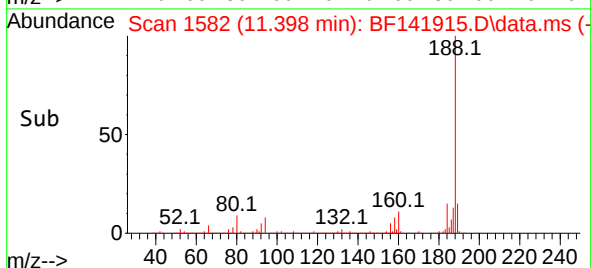
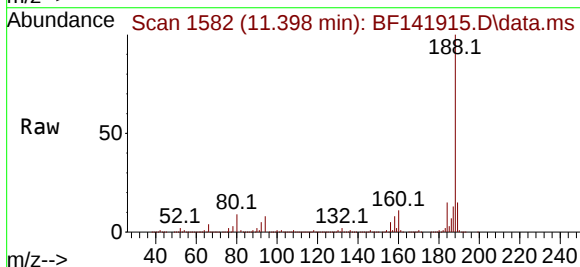
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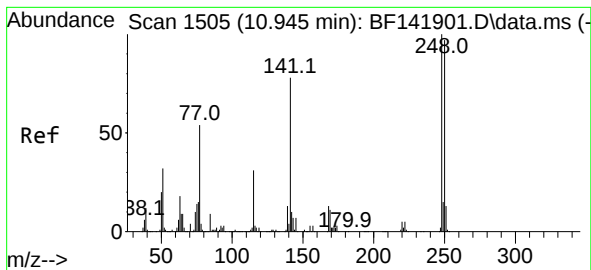
Tgt Ion: 77 Resp: 104454
Ion Ratio Lower Upper
77 100
182 80.4 6.6 46.6#
105 149.2 1.3 41.3#
51 37.2 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:188 Resp: 611592
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.2 7.6 11.4

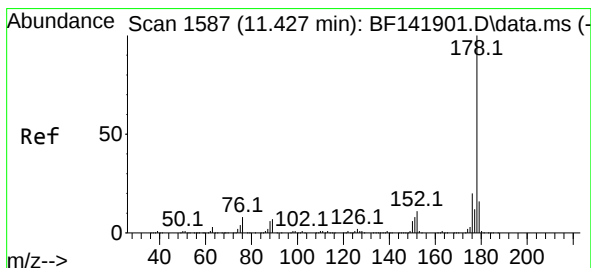
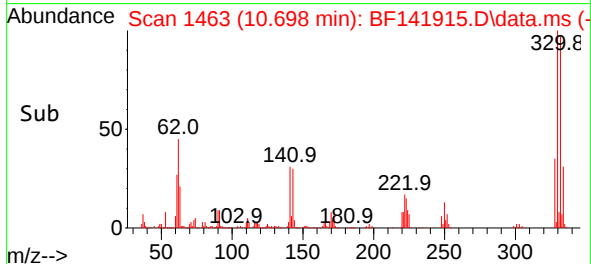
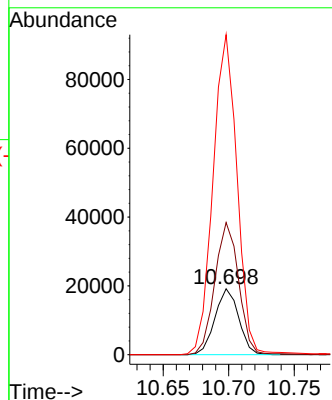
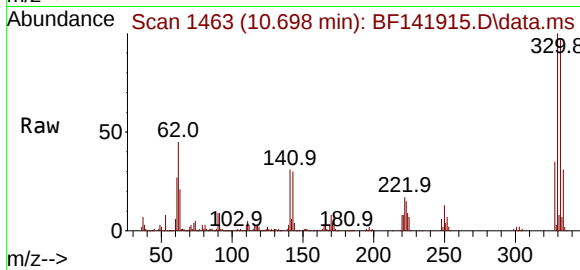




#67
4-Bromophenyl-phenylether
Concen: 3.139 ng
RT: 10.698 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

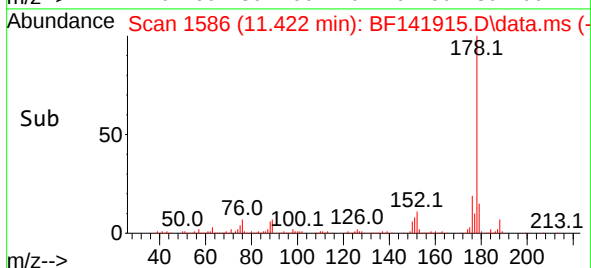
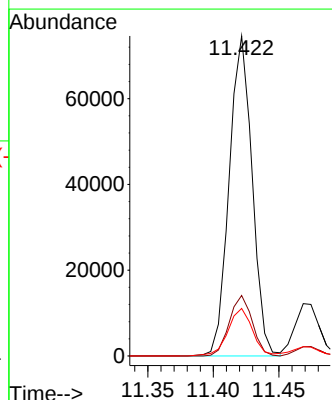
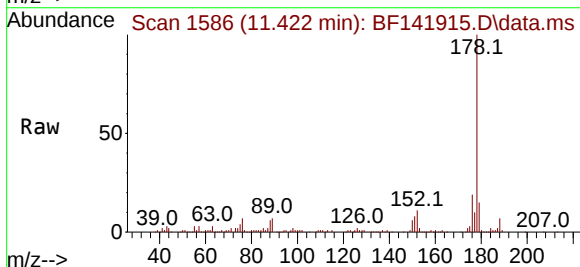
Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

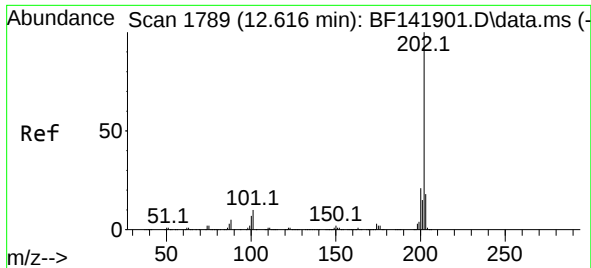
Tgt Ion:248 Resp: 24107
Ion Ratio Lower Upper
248 100
250 200.6 77.8 116.8#
141 485.7 62.6 93.8#



#71
Phenanthrene
Concen: 2.753 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:178 Resp: 90943
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 14.9 12.6 19.0

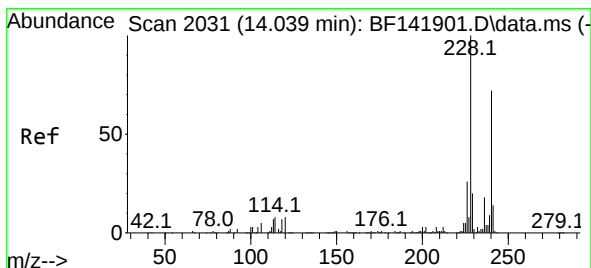
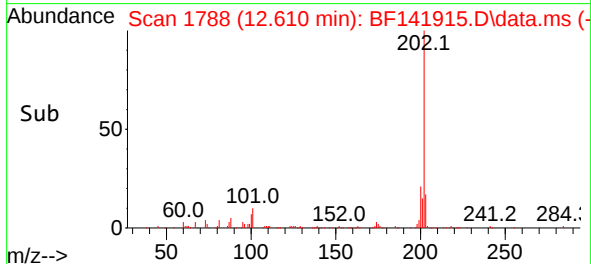
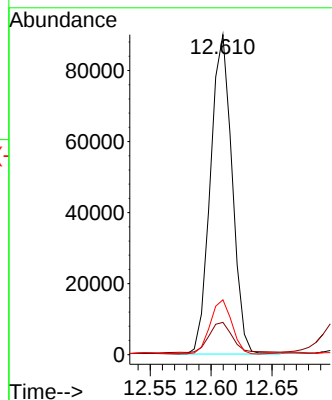
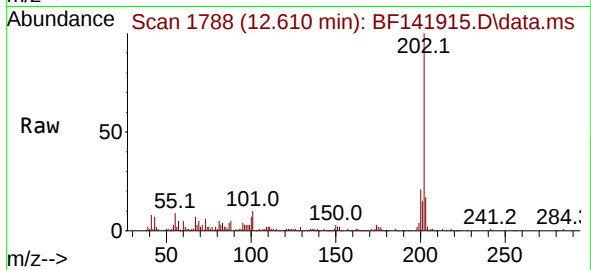




#75
Fluoranthene
Concen: 3.181 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

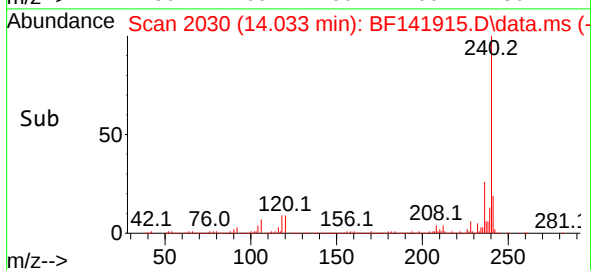
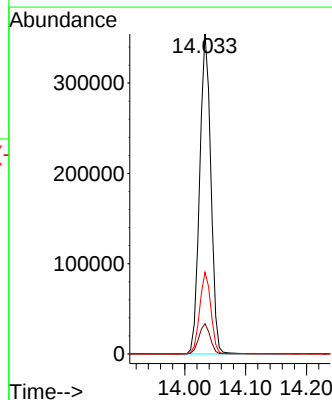
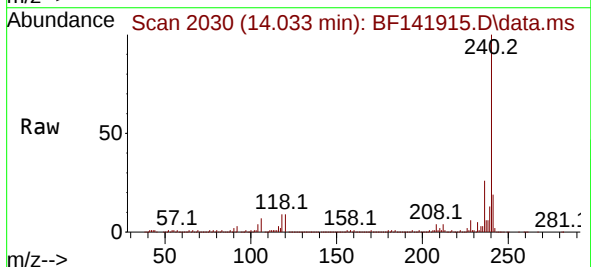
Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

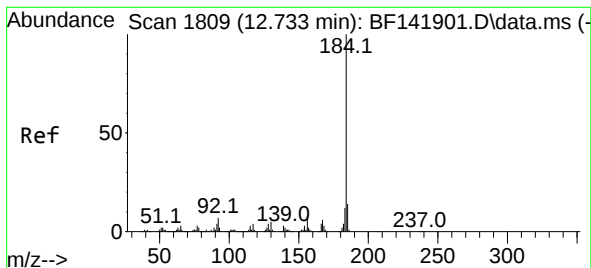
Tgt Ion:202 Resp: 111477
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.7
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:240 Resp: 452771
Ion Ratio Lower Upper
240 100
120 9.4 8.4 12.6
236 25.6 20.5 30.7





#77

Benzidine

Concen: 3.675 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF141915.D

Acq: 11 Mar 2025 14:26

Instrument :

BNA_F

ClientSampleId :

ENV-103-SB01

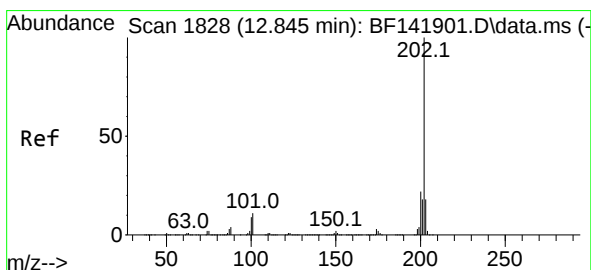
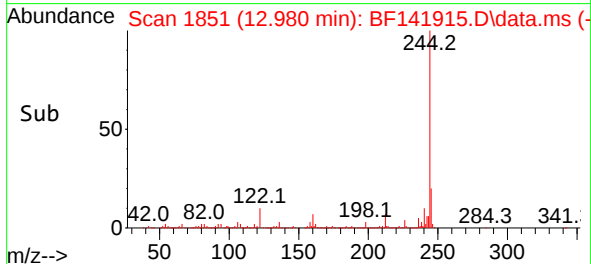
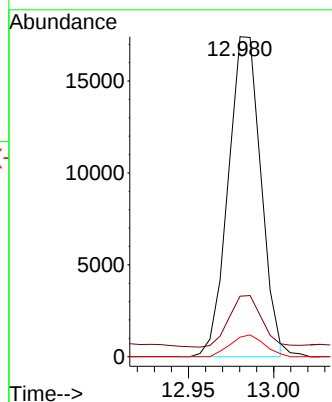
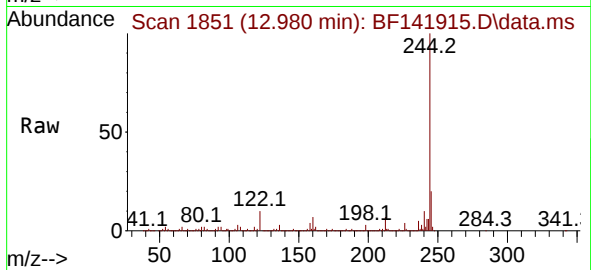
Tgt Ion:184 Resp: 23213

Ion Ratio Lower Upper

184 100

185 18.9 11.5 17.3#

183 6.1 9.7 14.5#



#78

Pyrene

Concen: 2.940 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141915.D

Acq: 11 Mar 2025 14:26

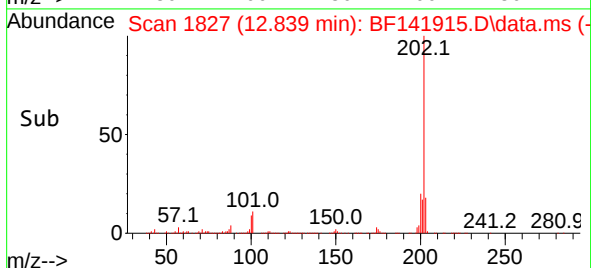
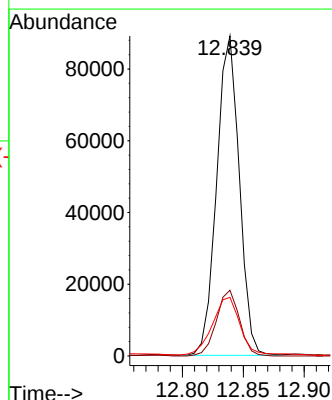
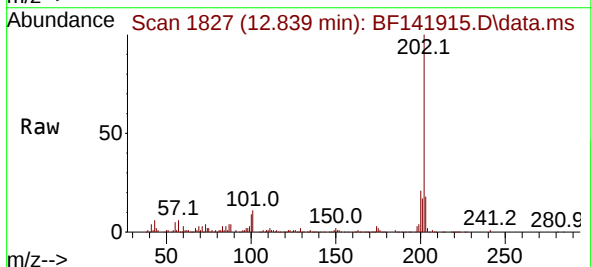
Tgt Ion:202 Resp: 115154

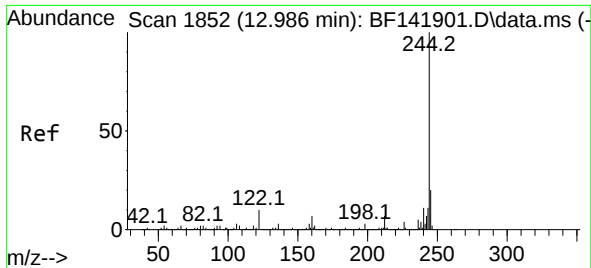
Ion Ratio Lower Upper

202 100

200 20.6 17.3 25.9

203 18.3 14.4 21.6

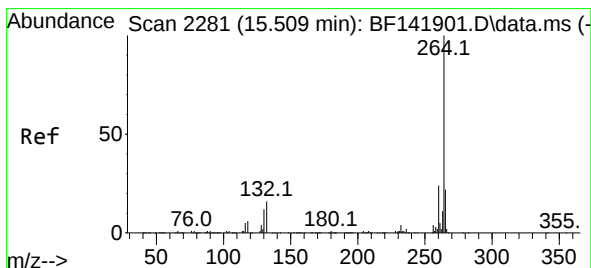
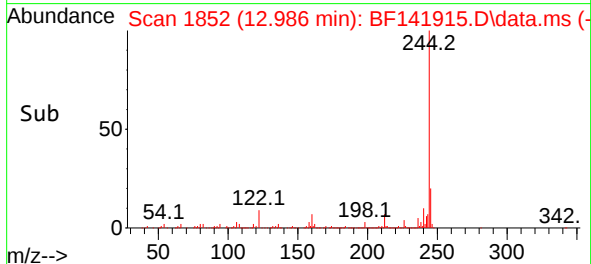
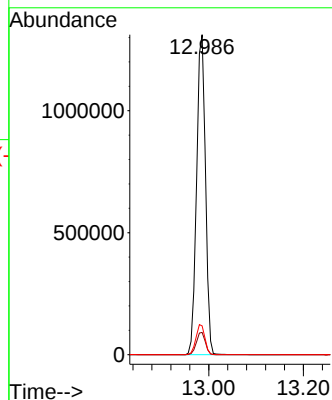
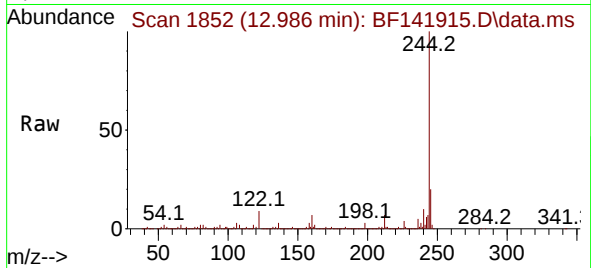




#79
 Terphenyl-d14
 Concen: 55.736 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141915.D
 Acq: 11 Mar 2025 14:26

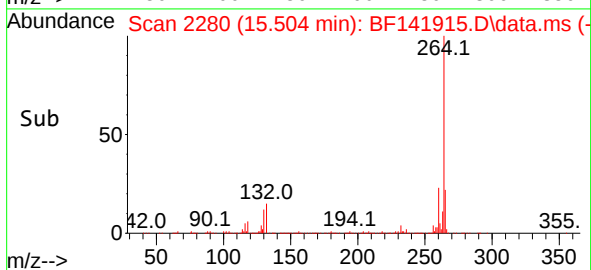
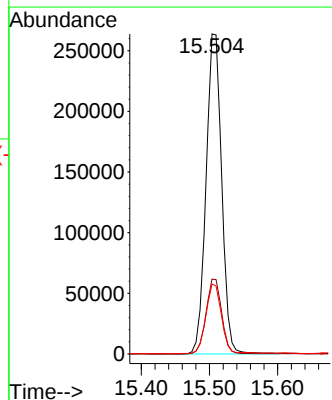
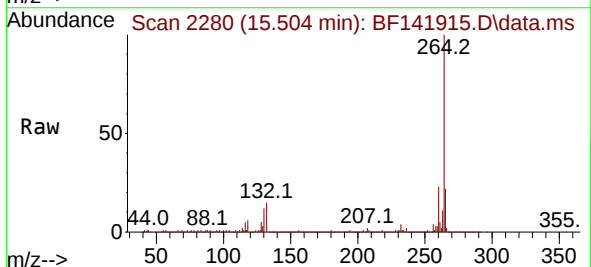
Instrument :
 BNA_F
 ClientSampleId :
 ENV-103-SB01

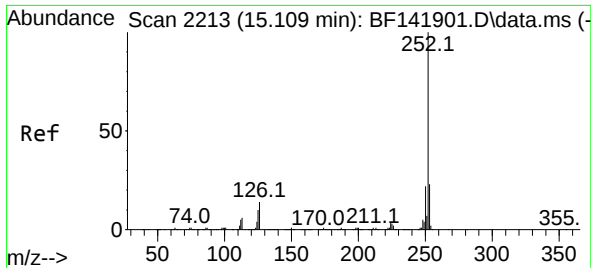
Tgt Ion:244 Resp: 1706898
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.0 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF141915.D
 Acq: 11 Mar 2025 14:26

Tgt Ion:264 Resp: 421172
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 21.9 17.5 26.3





#89

Benzo(k)fluoranthene

Concen: 2.310 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141915.D

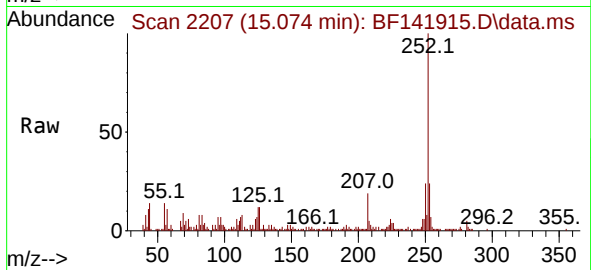
Acq: 11 Mar 2025 14:26

Instrument :

BNA_F

ClientSampleId :

ENV-103-SB01



Tgt Ion:252 Resp: 57062

Ion Ratio Lower Upper

252 100

253 24.3 17.7 26.5

125 12.4 7.2 10.8#

