

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031425\
 Data File : BF141962.D
 Acq On : 14 Mar 2025 13:41
 Operator : RC/JU
 Sample : Q1566-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTWK-COMP

Quant Time: Mar 14 13:58:53 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)

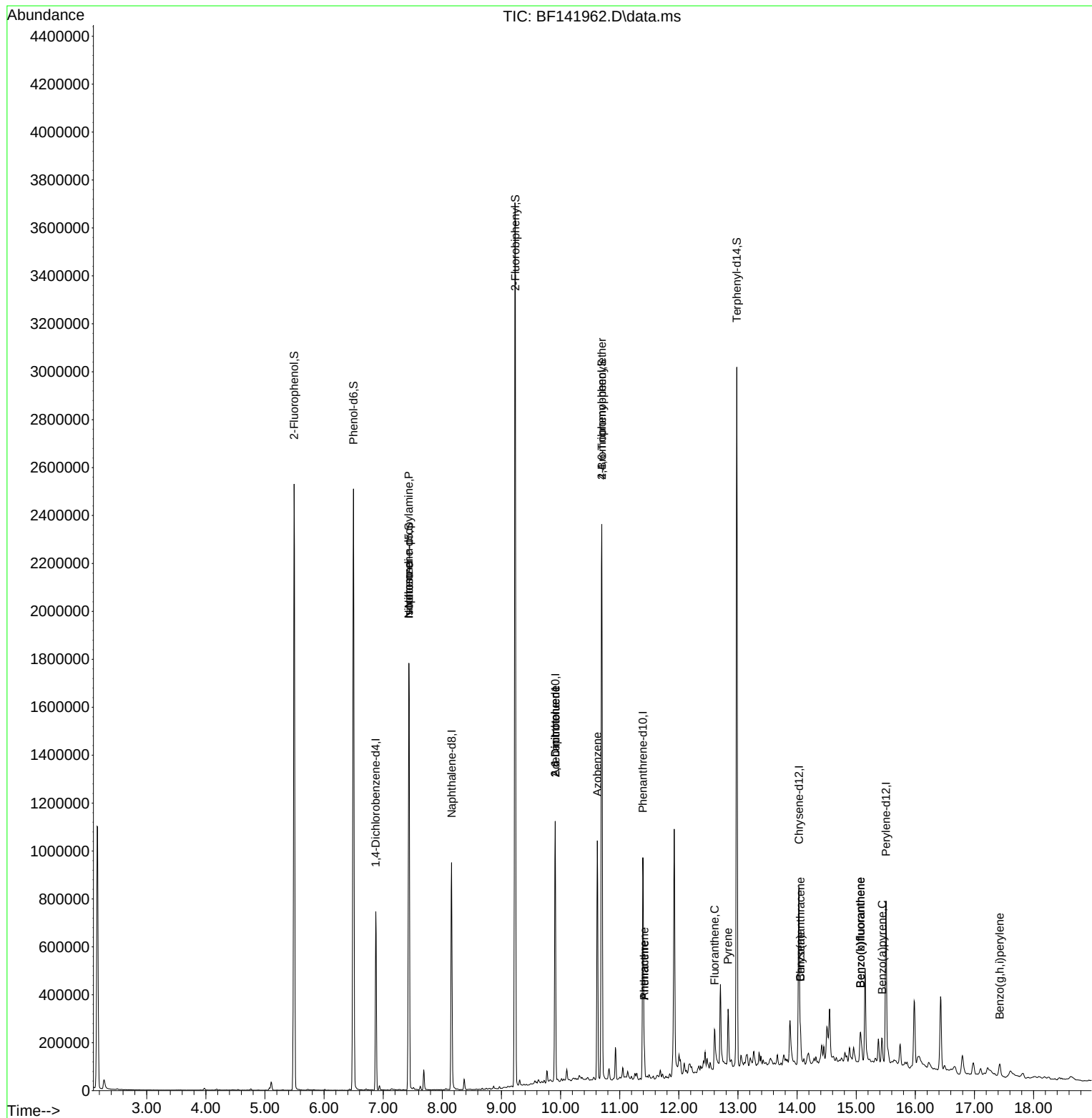
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	154367	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	604291	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	319693	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	474631	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	330816	20.000	ng	0.00
86) Perylene-d12	15.504	264	396666	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	988510	106.874	ng	0.00
7) Phenol-d6	6.498	99	1254930	106.563	ng	0.00
23) Nitrobenzene-d5	7.434	82	817114	76.096	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	427448	105.394	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1668055	79.351	ng	0.00
79) Terphenyl-d14	12.980	244	1416480	63.304	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	114593	15.144	ng	# 78
25) Isophorone	7.434	82	805256	42.424	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	42180	9.049	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	42325	6.952	ng	# 24
63) Azobenzene	10.622	77	246426	11.874	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	26948	4.521	ng	# 1
71) Phenanthrene	11.416	178	66132	2.580	ng	98
72) Anthracene	11.416	178	66132	2.571	ng	99
75) Fluoranthene	12.604	202	82171	3.022	ng	98
78) Pyrene	12.833	202	140283	4.902	ng	98
81) Benzo(a)anthracene	14.057	228	78847	3.632	ng	95
83) Chrysene	14.057	228	78847	4.007	ng	98
88) Benzo(b)fluoranthene	15.074	252	111351	4.096	ng	# 97
89) Benzo(k)fluoranthene	15.074	252	111351	4.786	ng	# 97
90) Benzo(a)pyrene	15.439	252	62709	2.948	ng	97
92) Benzo(g,h,i)perylene	17.427	276	45296	2.165	ng	97

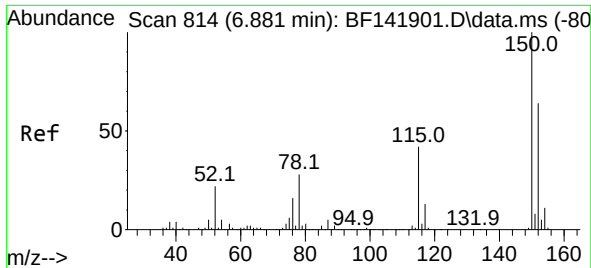
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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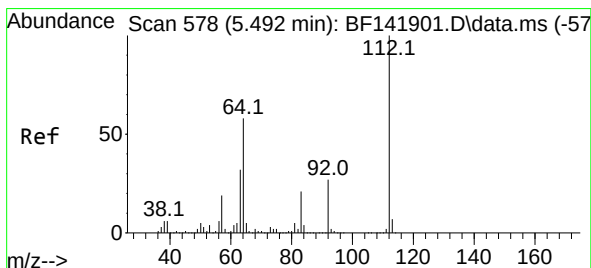
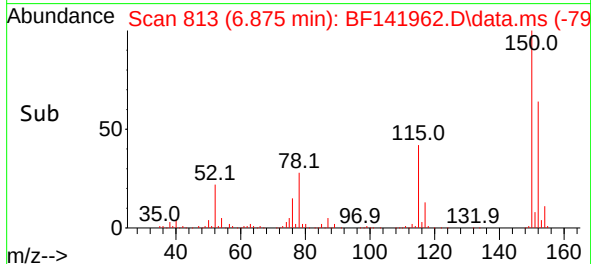
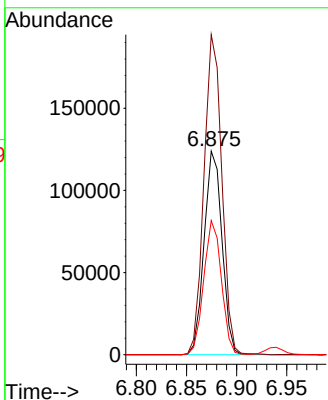
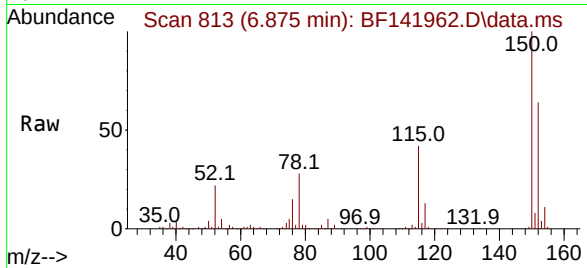




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF141962.D
 Acq: 14 Mar 2025 13:41

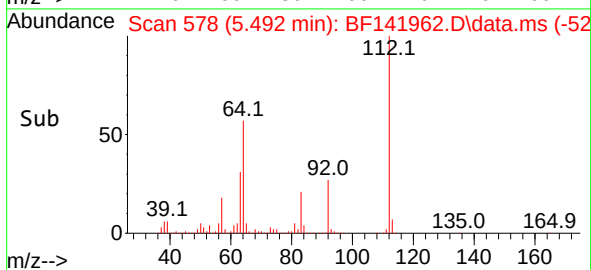
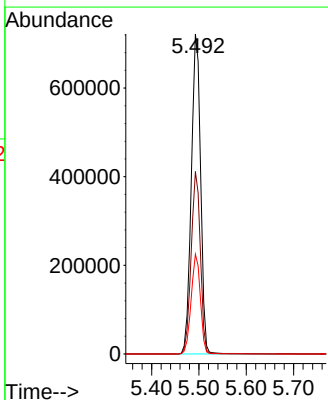
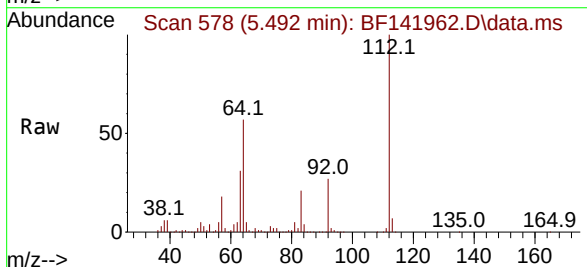
Instrument :
 BNA_F
 ClientSampleId :
 CTWK-COMP

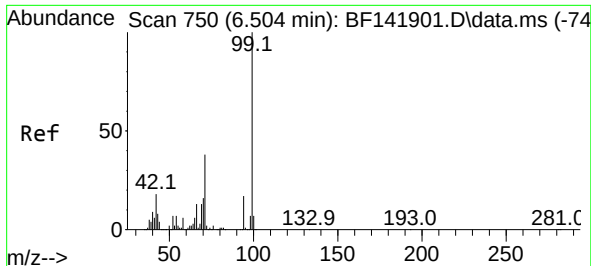
Tgt Ion:152 Resp: 154367
 Ion Ratio Lower Upper
 152 100
 150 157.2 127.4 191.2
 115 65.9 51.9 77.9



#5
 2-Fluorophenol
 Concen: 106.874 ng
 RT: 5.492 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: BF141962.D
 Acq: 14 Mar 2025 13:41

Tgt Ion:112 Resp: 988510
 Ion Ratio Lower Upper
 112 100
 64 57.0 46.5 69.7
 63 31.1 25.4 38.2

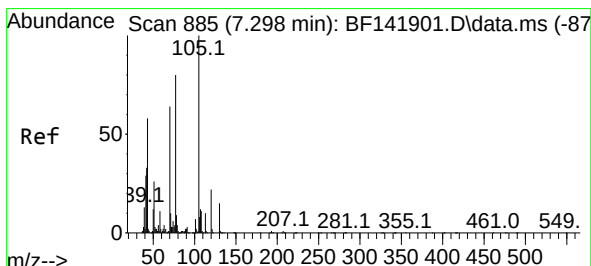
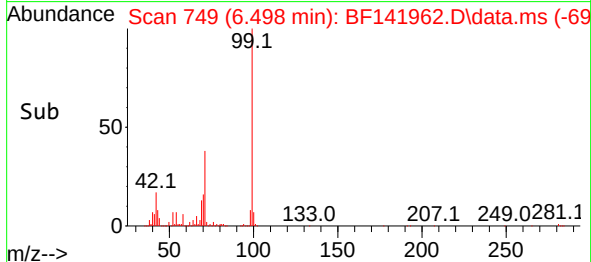
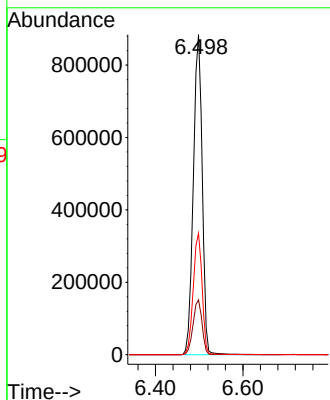
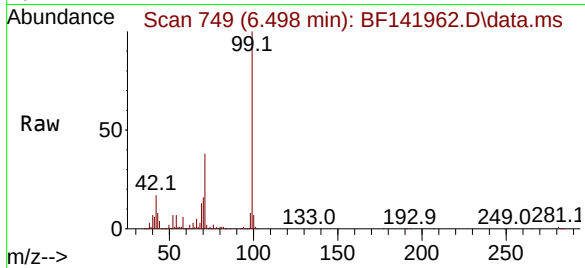




#7
Phenol-d6
Concen: 106.563 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

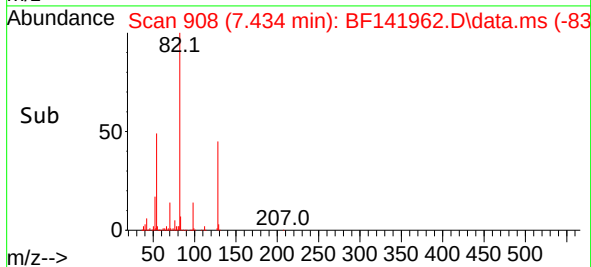
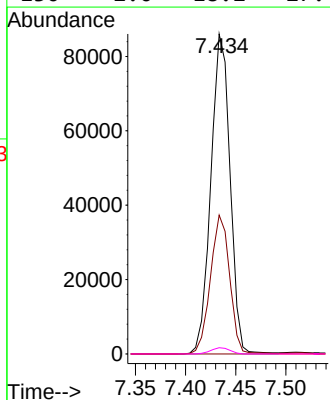
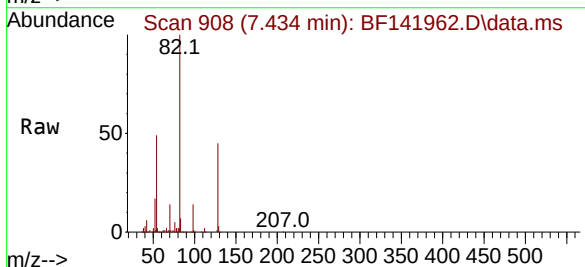
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP

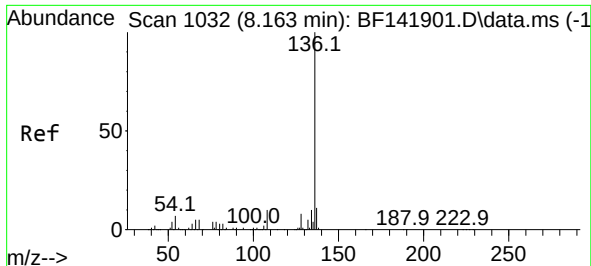
Tgt Ion: 99 Resp: 1254930
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 38.0 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.144 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

Tgt Ion: 70 Resp: 114593
Ion Ratio Lower Upper
70 100
42 43.4 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#

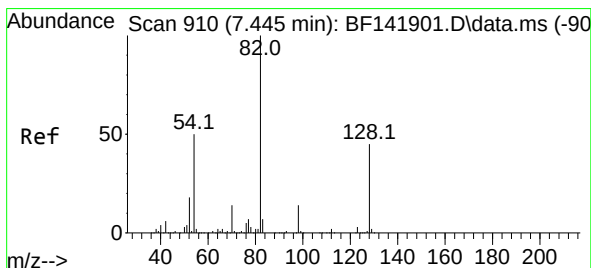
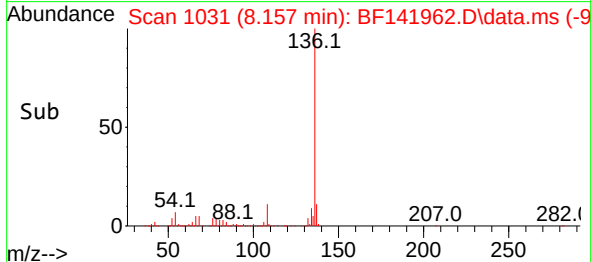
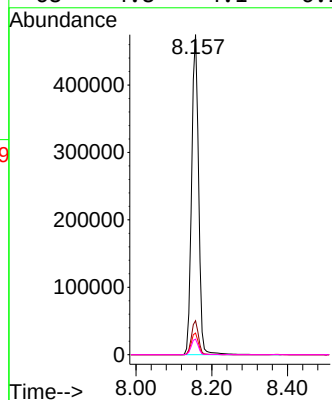
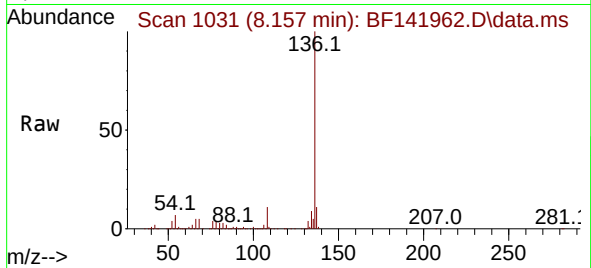




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

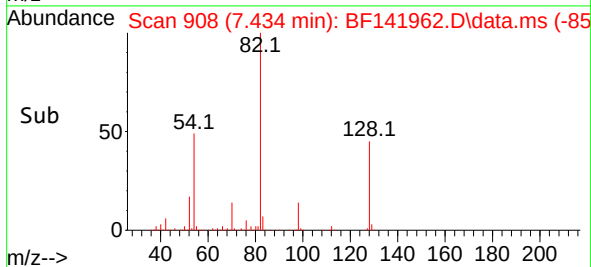
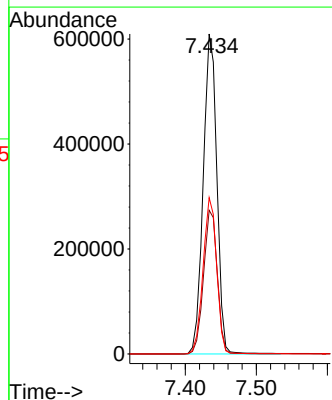
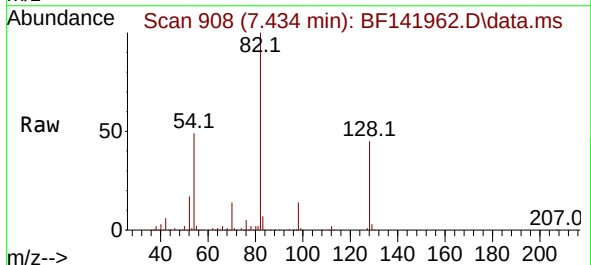
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP

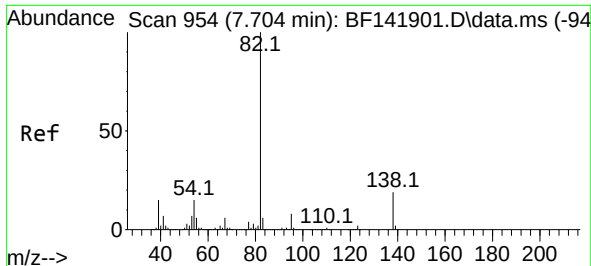
Tgt Ion:136 Resp: 604291
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.8 5.8 8.8
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 76.096 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

Tgt Ion: 82 Resp: 817114
Ion Ratio Lower Upper
82 100
128 44.9 36.0 54.0
54 48.9 39.6 59.4

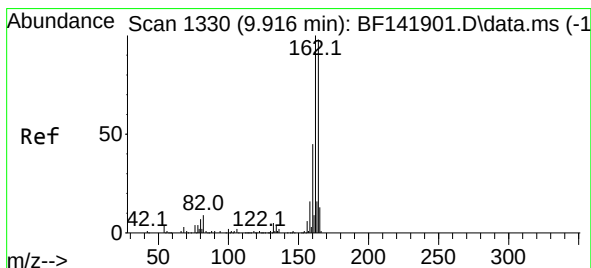
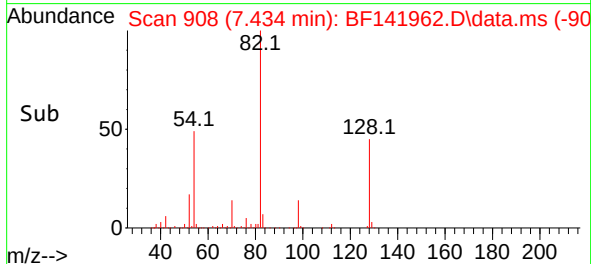
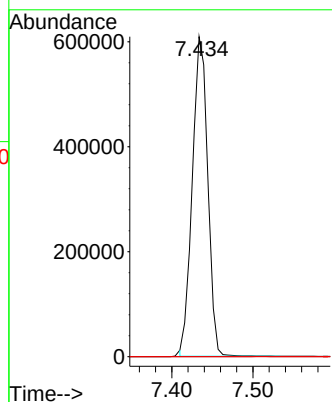
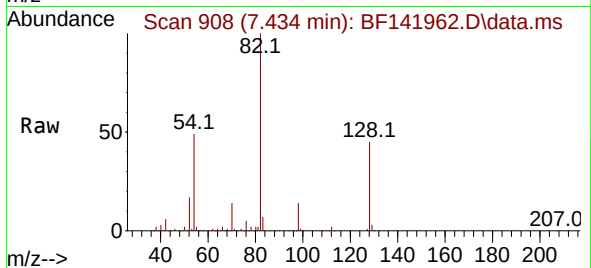




#25
Isophorone
Concen: 42.424 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

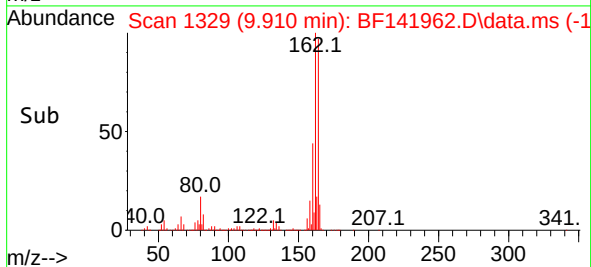
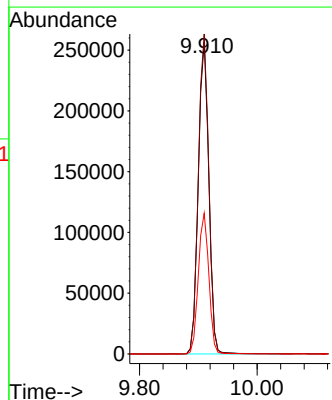
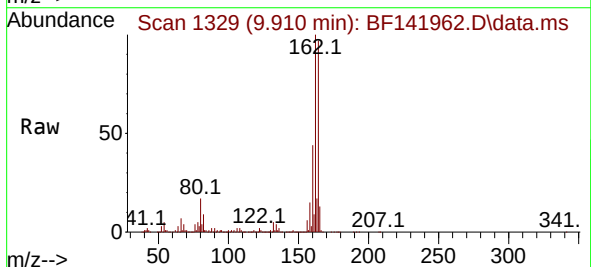
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP

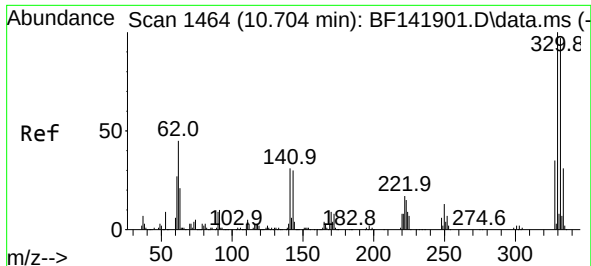
Tgt Ion: 82 Resp: 805256
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

Tgt Ion:164 Resp: 319693
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.6
160 45.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 105.394 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP

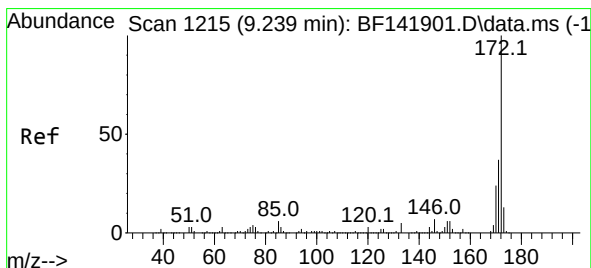
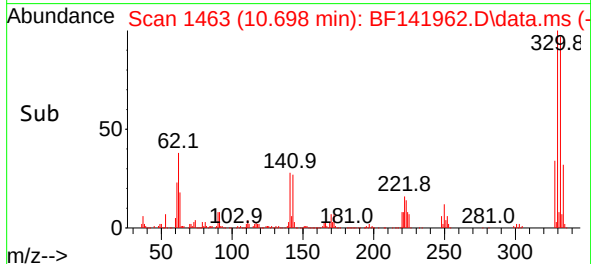
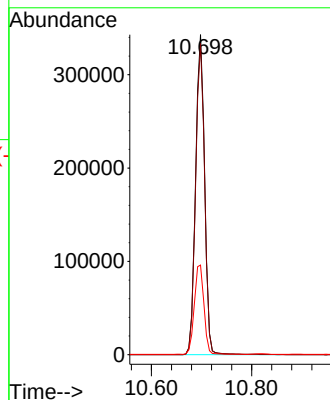
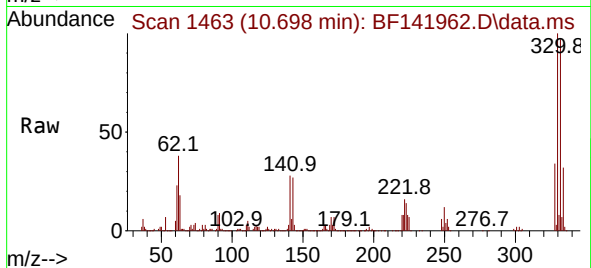
Tgt Ion:330 Resp: 427448

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 29.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 79.351 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

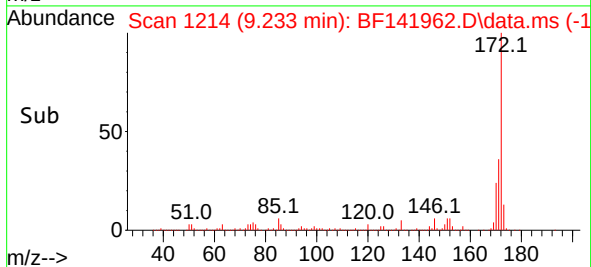
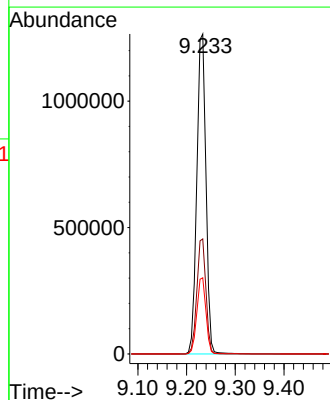
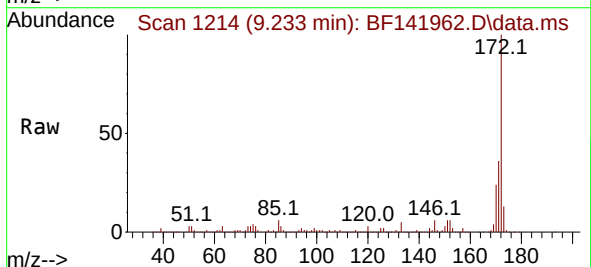
Tgt Ion:172 Resp: 1668055

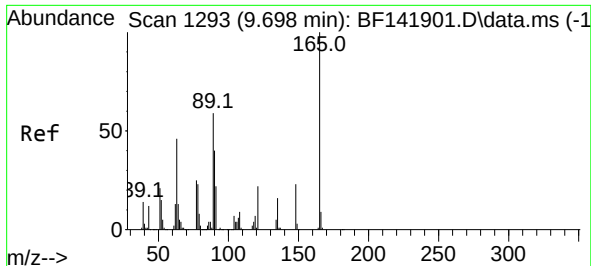
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.8 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 9.049 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP

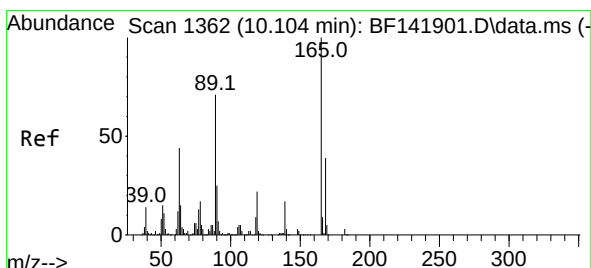
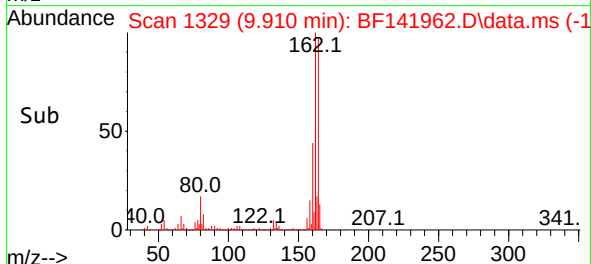
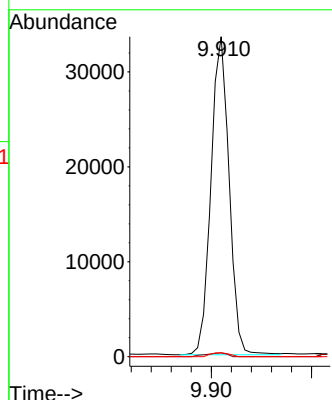
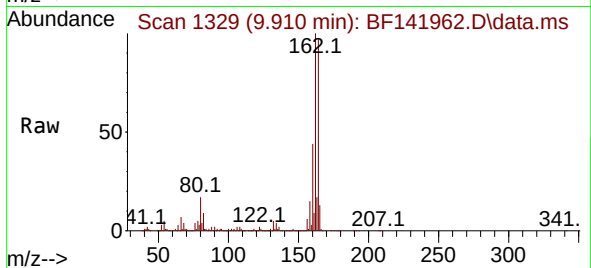
Tgt Ion:165 Resp: 42180

Ion Ratio Lower Upper

165 100

63 1.1 47.0 70.4#

89 1.2 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.952 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Tgt Ion:165 Resp: 42325

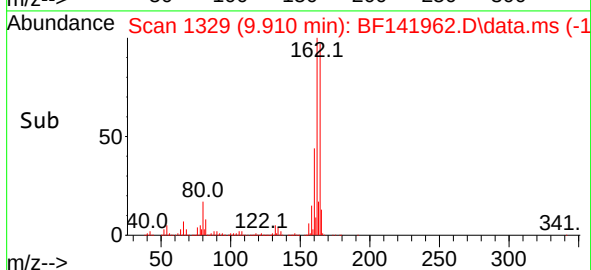
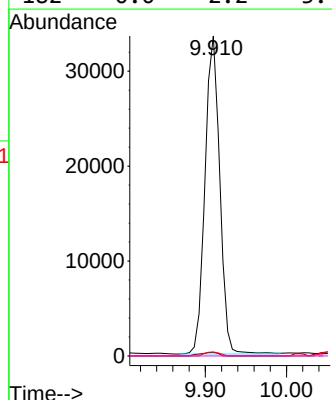
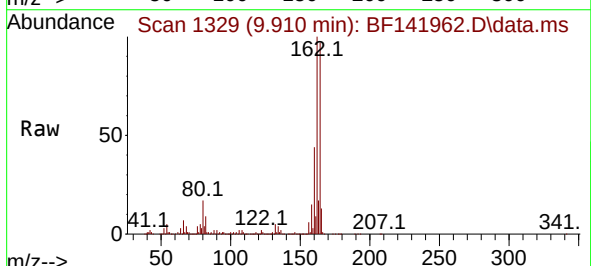
Ion Ratio Lower Upper

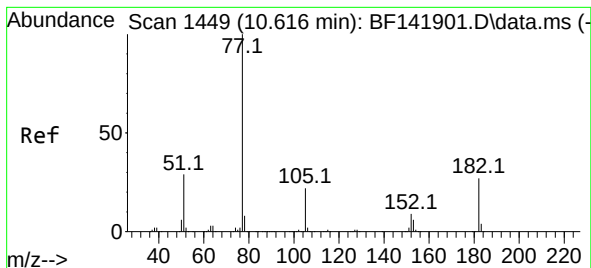
165 100

63 1.1 35.4 53.2#

89 1.2 56.6 84.8#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 11.874 ng

RT: 10.622 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP

Tgt Ion: 77 Resp: 246426

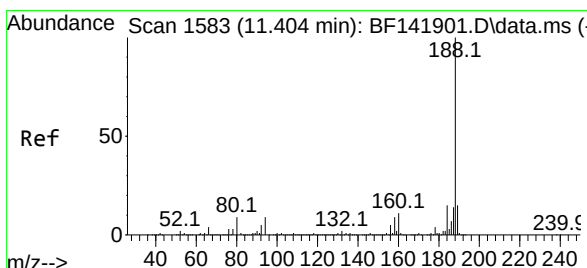
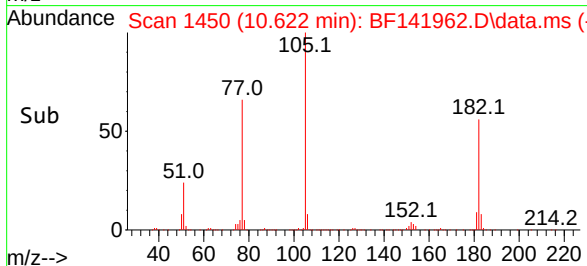
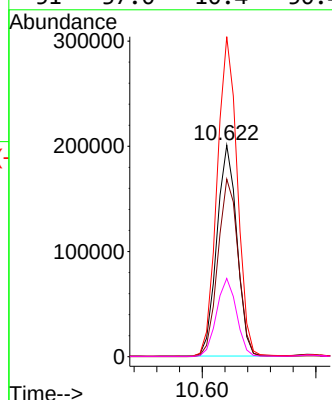
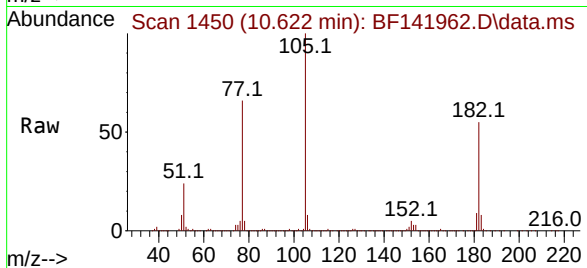
Ion Ratio Lower Upper

77 100

182 83.9 6.6 46.6#

105 151.2 1.3 41.3#

51 37.0 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

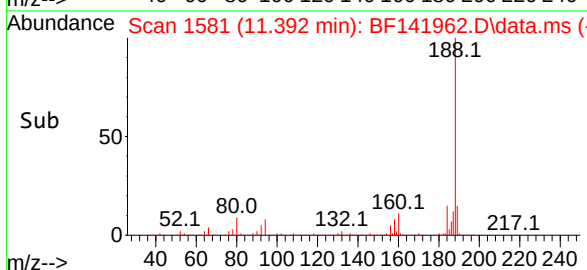
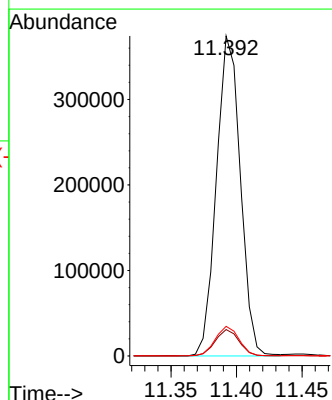
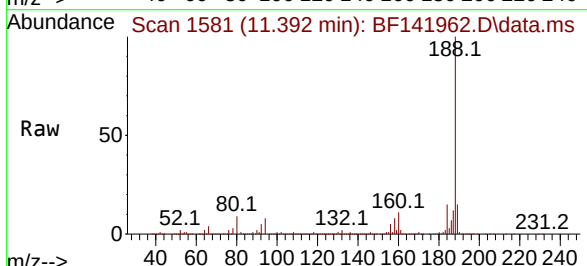
Tgt Ion: 188 Resp: 474631

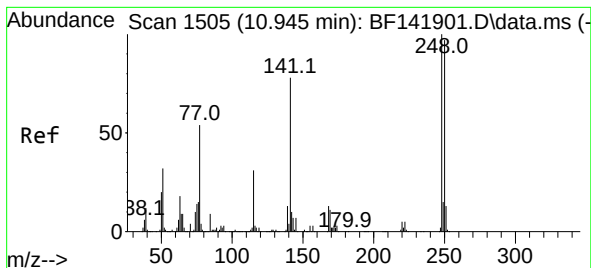
Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 9.3 7.6 11.4

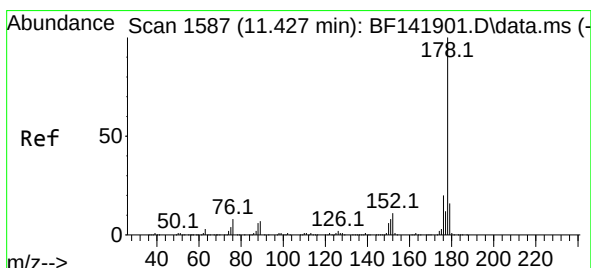
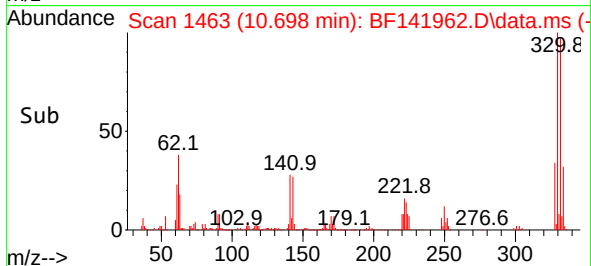
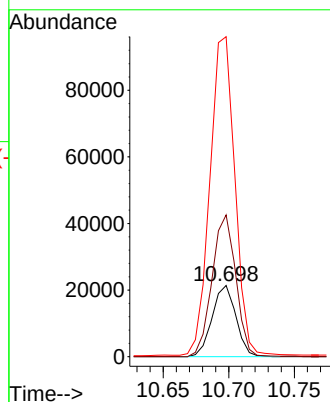
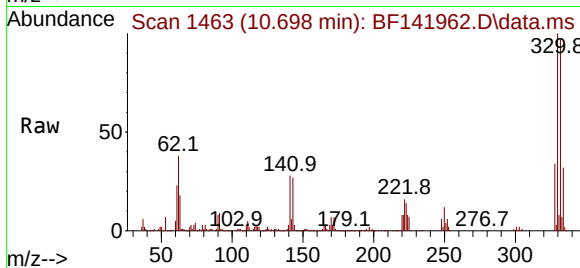




#67
4-Bromophenyl-phenylether
Concen: 4.521 ng
RT: 10.698 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

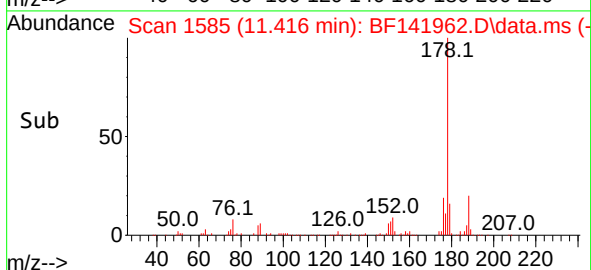
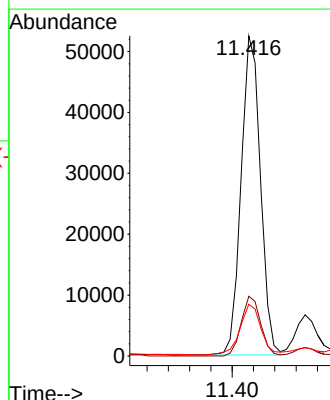
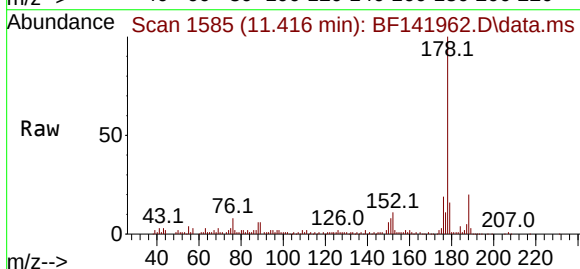
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP

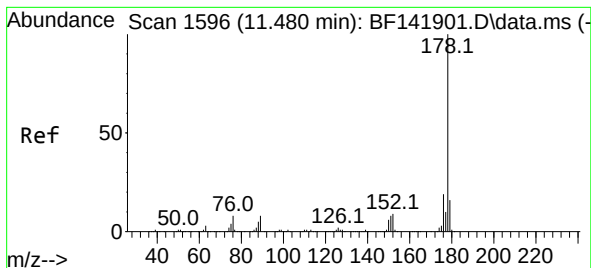
Tgt Ion:248 Resp: 26948
Ion Ratio Lower Upper
248 100
250 199.1 77.8 116.8#
141 449.6 62.6 93.8#



#71
Phenanthrene
Concen: 2.580 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

Tgt Ion:178 Resp: 66132
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 16.1 12.6 19.0





#72

Anthracene

Concen: 2.571 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.065 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP

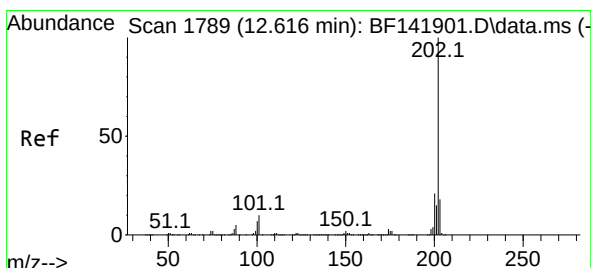
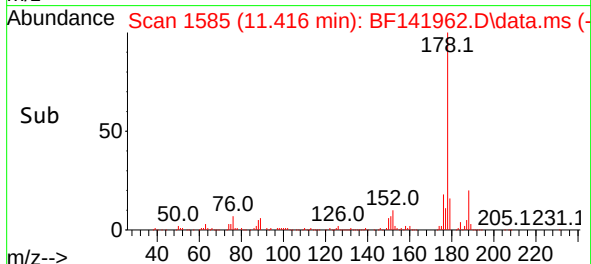
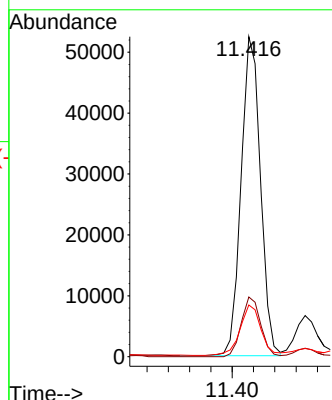
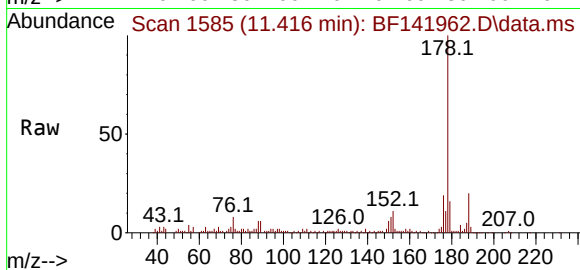
Tgt Ion:178 Resp: 66132

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 16.1 12.6 19.0



#75

Fluoranthene

Concen: 3.022 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.012 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

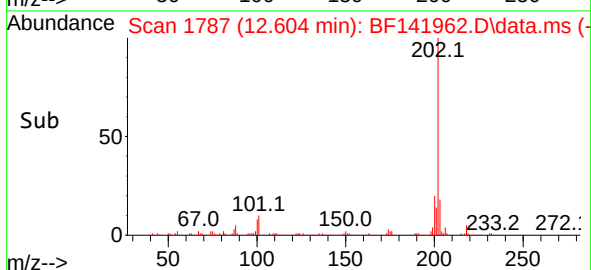
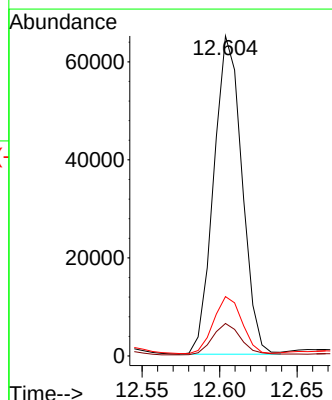
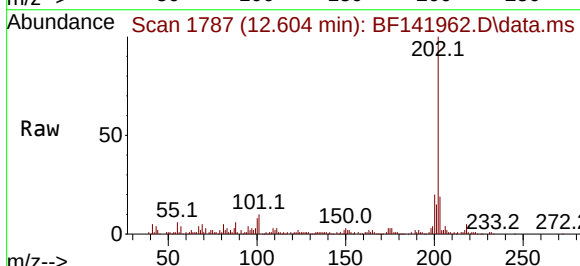
Tgt Ion:202 Resp: 82171

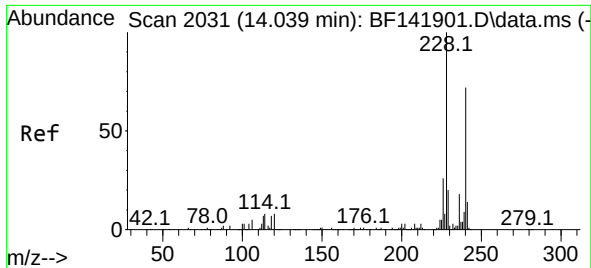
Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.7

203 18.6 0.0 37.8

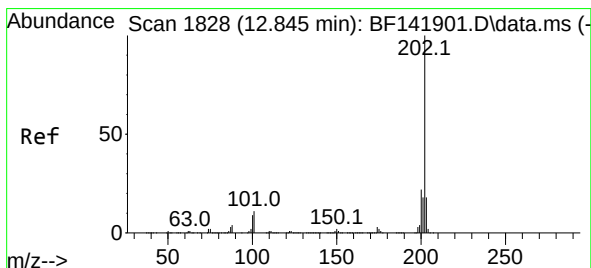
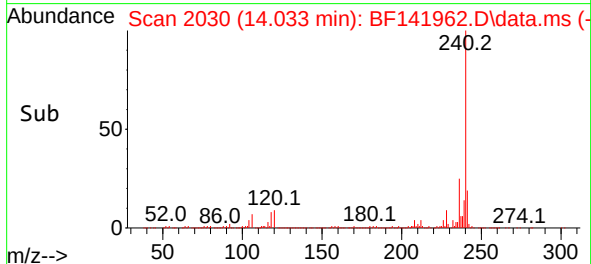
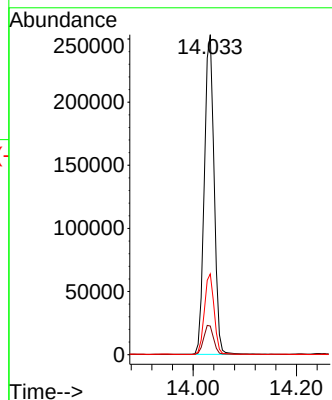
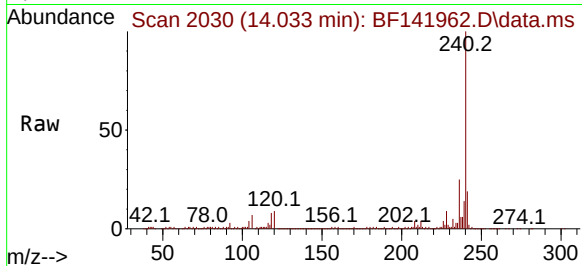




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

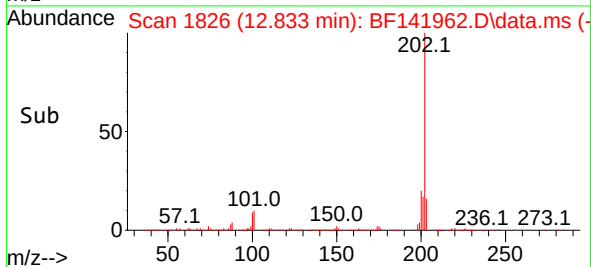
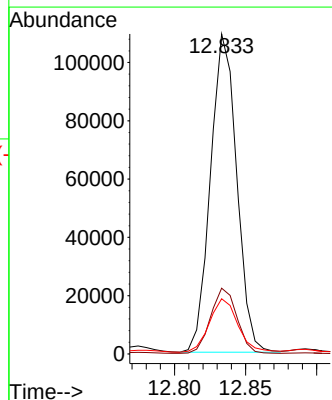
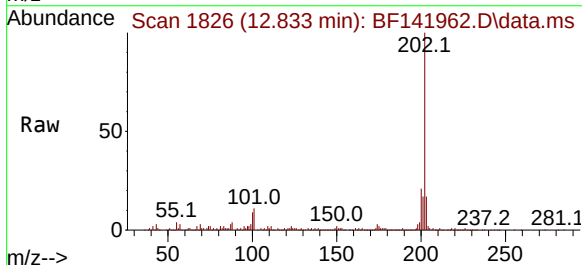
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP

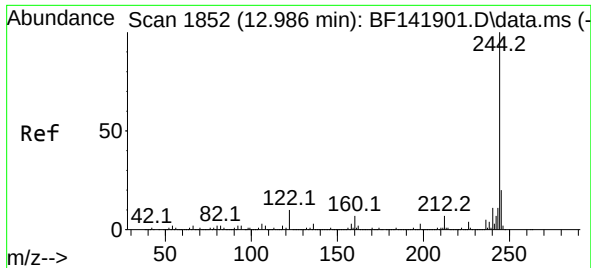
Tgt Ion:240 Resp: 330816
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 25.2 20.5 30.7



#78
Pyrene
Concen: 4.902 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

Tgt Ion:202 Resp: 140283
Ion Ratio Lower Upper
202 100
200 20.5 17.3 25.9
203 17.2 14.4 21.6

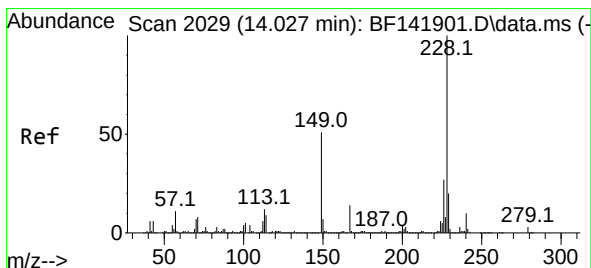
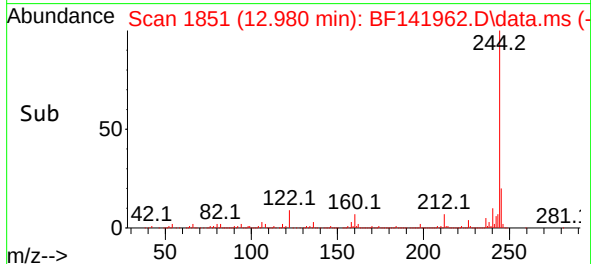
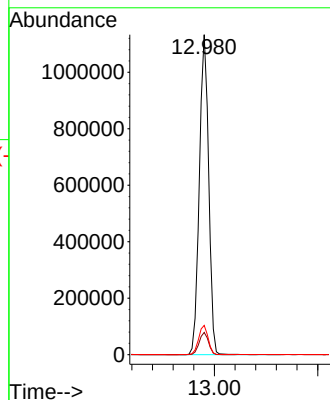
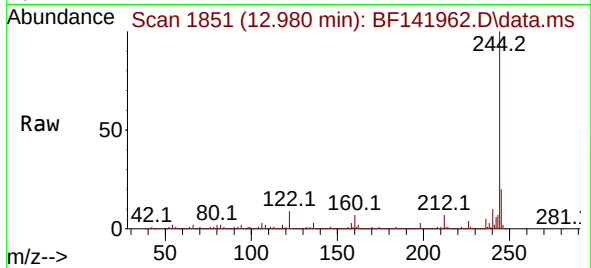




#79
 Terphenyl-d14
 Concen: 63.304 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF141962.D
 Acq: 14 Mar 2025 13:41

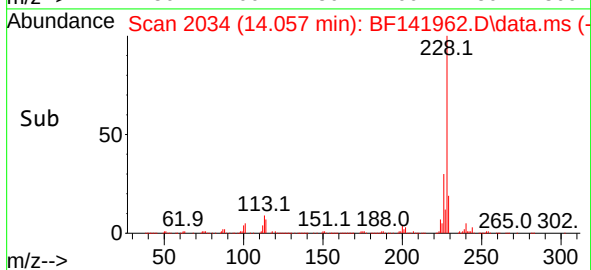
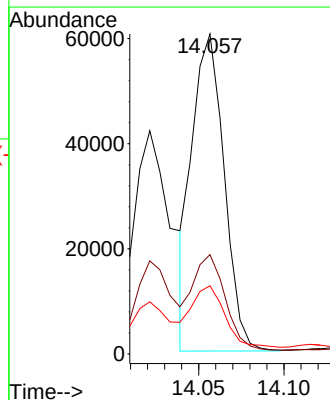
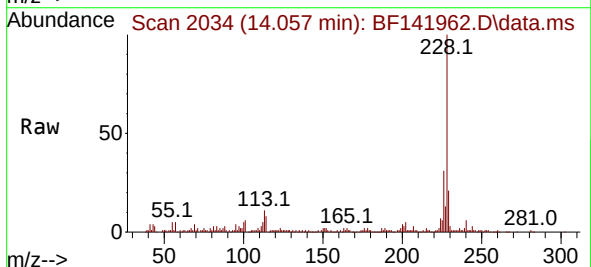
Instrument :
 BNA_F
 ClientSampleId :
 CTWK-COMP

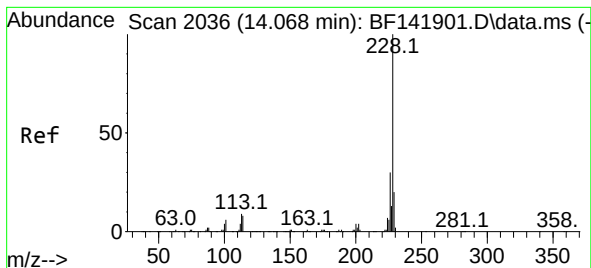
Tgt Ion:244 Resp: 1416480
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.1 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 3.632 ng
 RT: 14.057 min Scan# 2034
 Delta R.T. 0.029 min
 Lab File: BF141962.D
 Acq: 14 Mar 2025 13:41

Tgt Ion:228 Resp: 78847
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.8 32.8
 229 21.3 16.0 24.0





#83

Chrysene

Concen: 4.007 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP

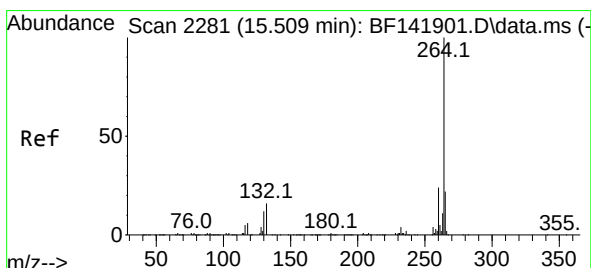
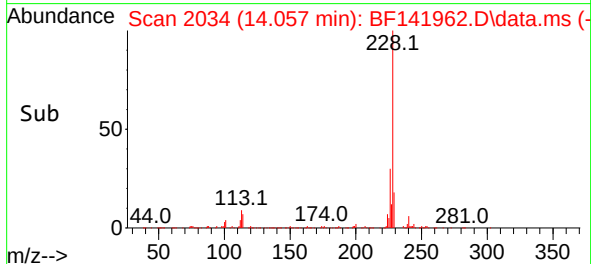
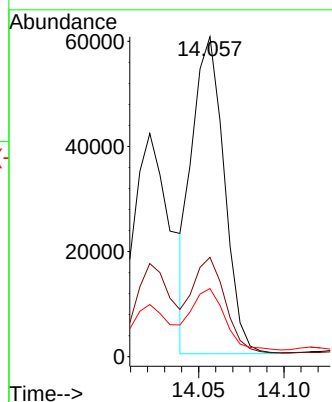
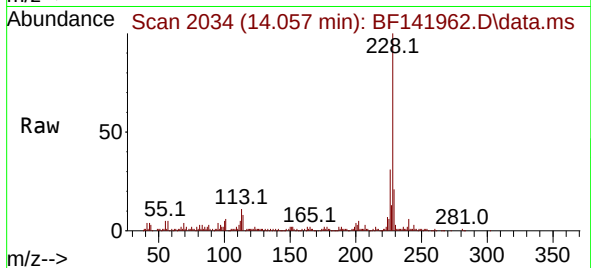
Tgt Ion:228 Resp: 78847

Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

229 21.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

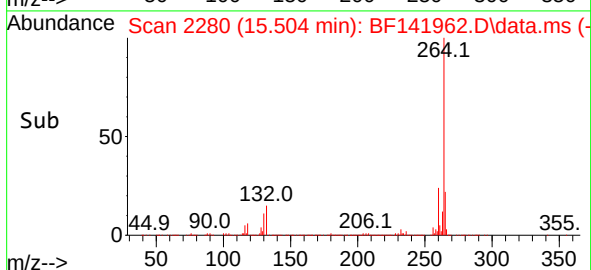
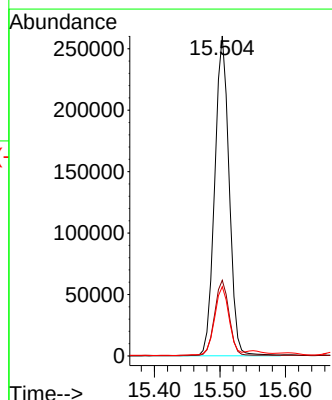
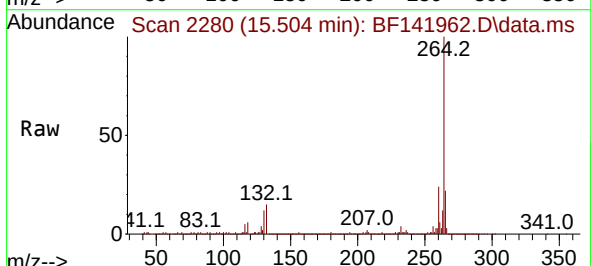
Tgt Ion:264 Resp: 396666

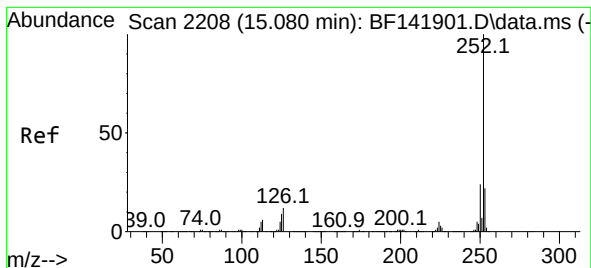
Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 21.6 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 4.096 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP

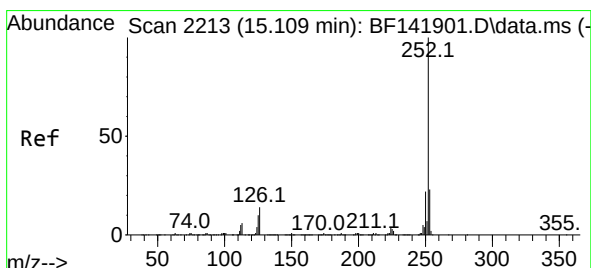
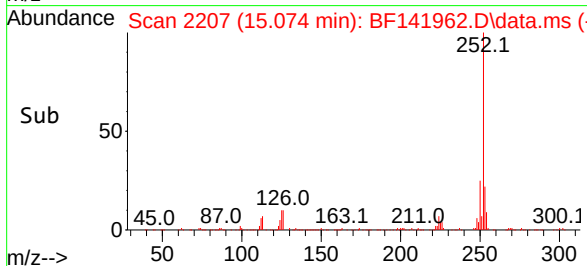
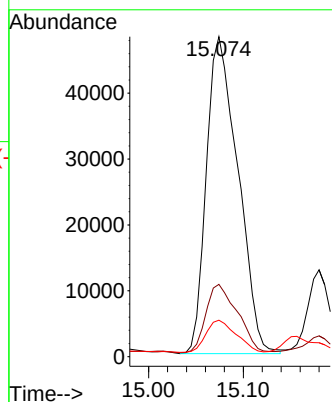
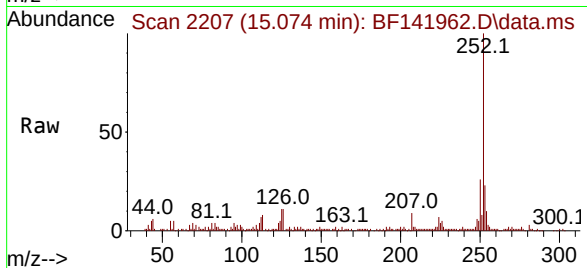
Tgt Ion:252 Resp: 111351

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.4 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 4.786 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

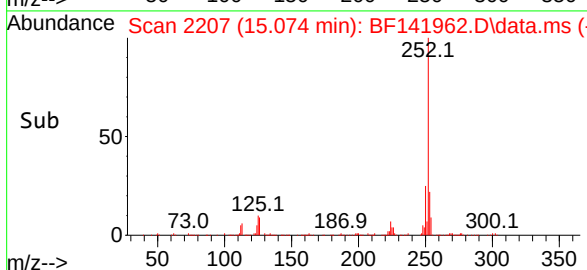
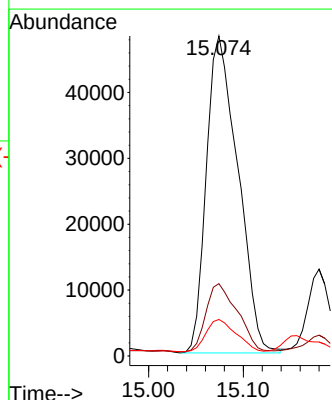
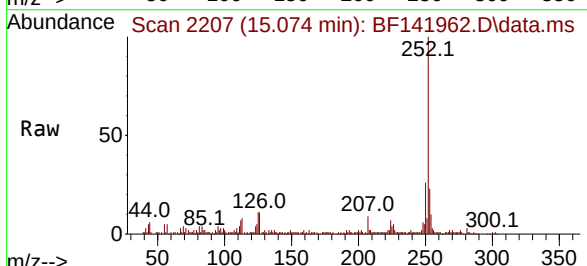
Tgt Ion:252 Resp: 111351

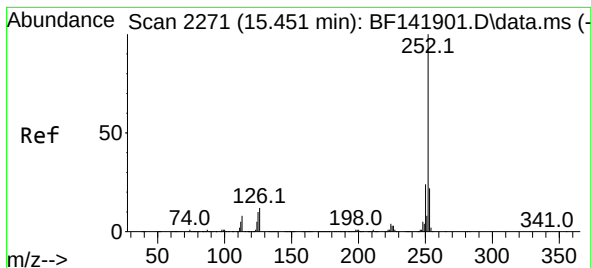
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.4 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.948 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP

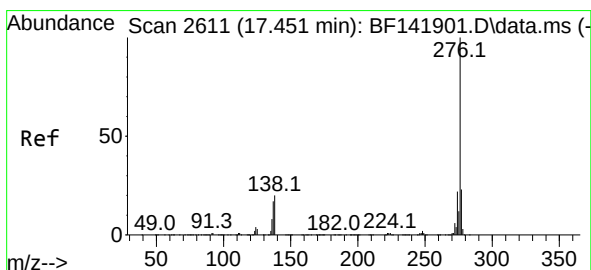
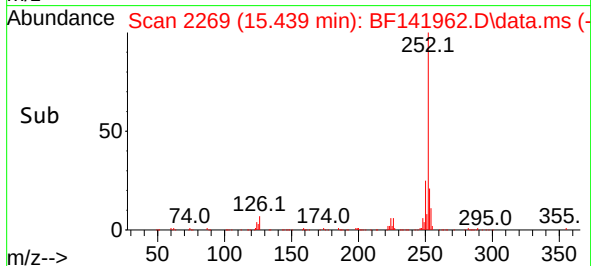
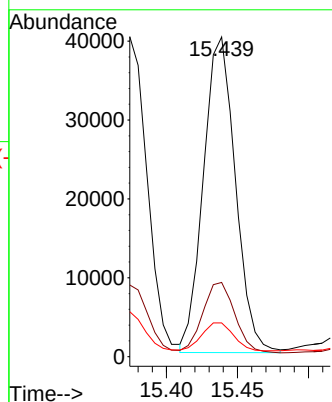
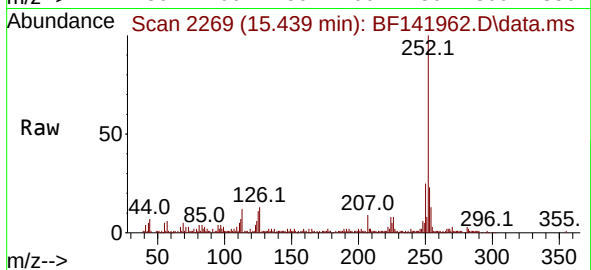
Tgt Ion:252 Resp: 62709

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 10.6 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 2.165 ng

RT: 17.427 min Scan# 2607

Delta R.T. -0.024 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Tgt Ion:276 Resp: 45296

Ion Ratio Lower Upper

276 100

277 25.9 18.7 28.1

138 19.9 15.8 23.8

