

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

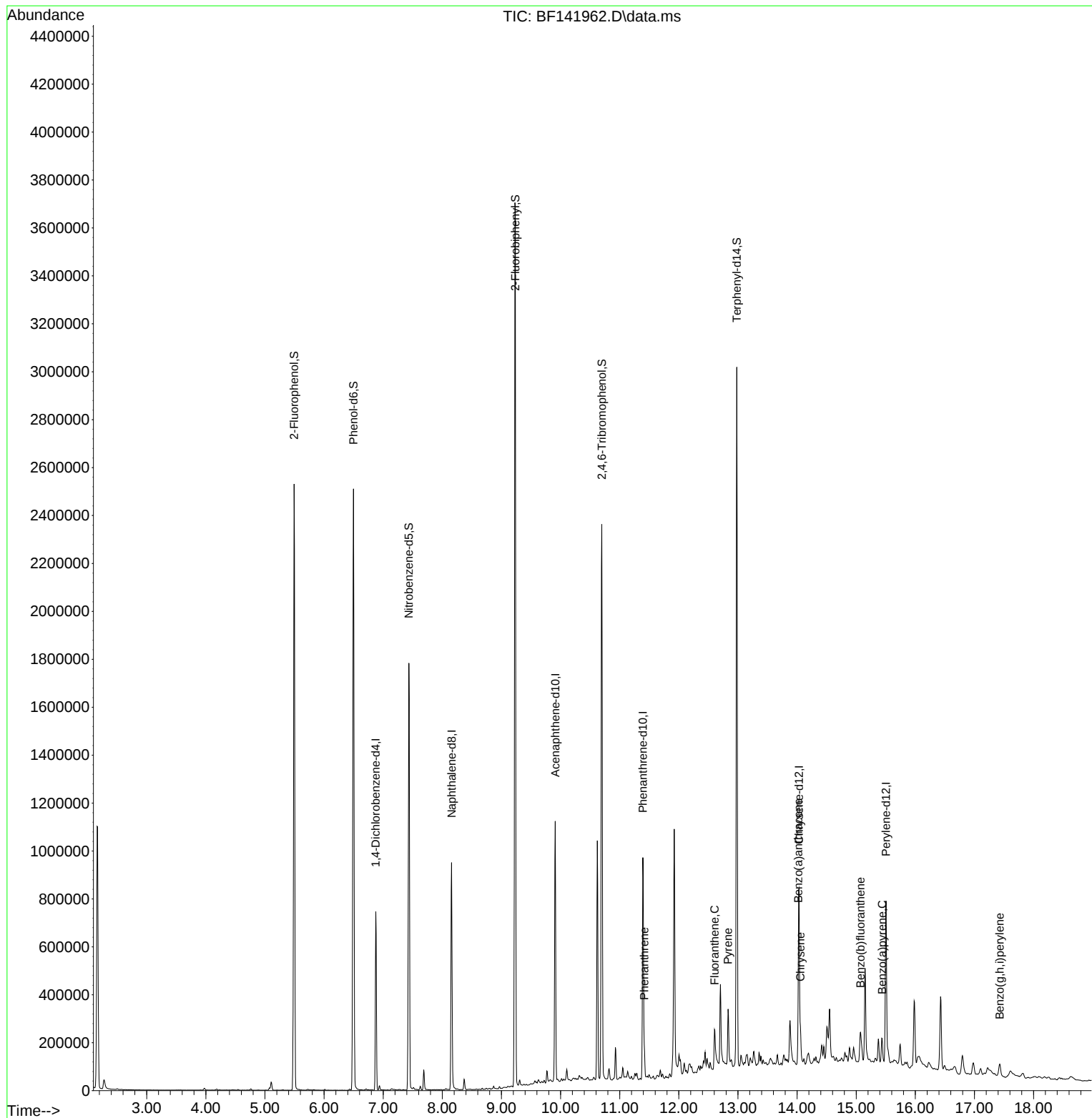
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	154367	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	604291	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	319693	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	474631	20.000	ng	-0.01
76) Chrysene-d12	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
71) Phenanthrene	11.416	178	66132	2.580	ng	98
75) Fluoranthene	12.604	202	82171	3.022	ng	98
78) Pyrene	12.833	202	140283	4.902	ng	98
81) Benzo(a)anthracene	14.021	228	65642m	3.024	ng	
83) Chrysene	14.057	228	78847	4.007	ng	98
88) Benzo(b)fluoranthene	15.074	252	92550m	3.404	ng	
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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Quant Time: Mar 14 13:58:53 2025
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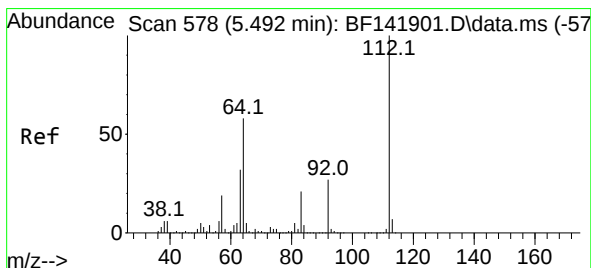
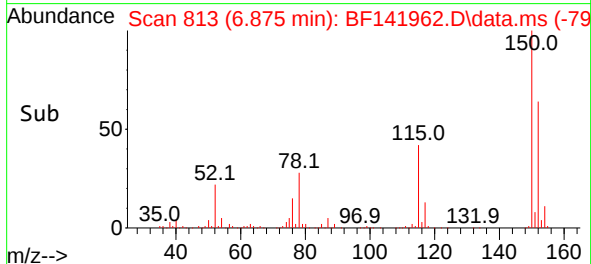
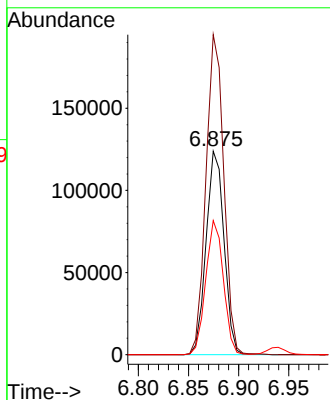
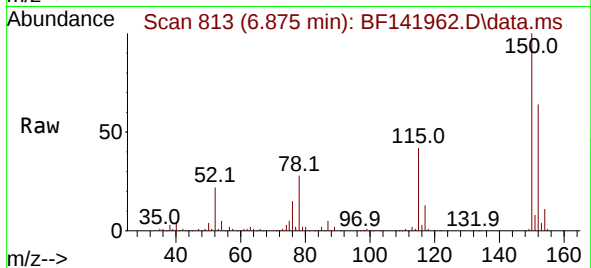




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF141962.D
 Acq: 14 Mar 2025 13:41

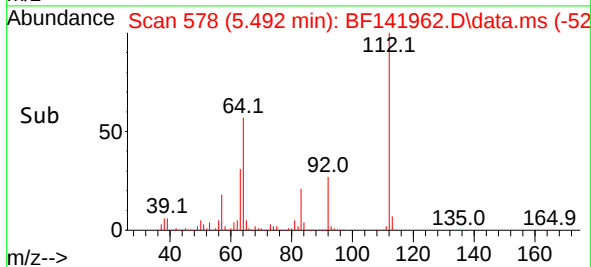
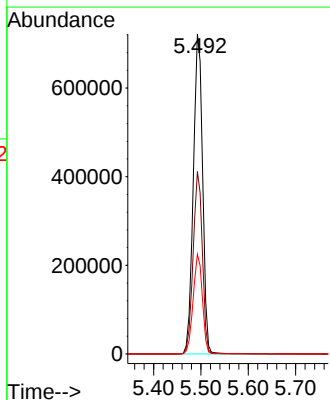
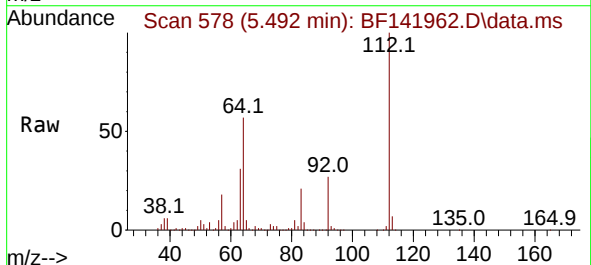
Instrument :
 BNA_F
 ClientSampleId :
 CTWK-COMP

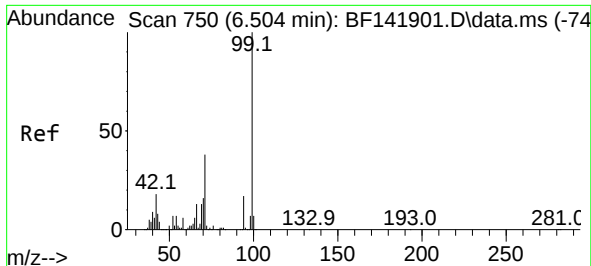
Tgt Ion:152 Resp: 154367
 Ion Ratio Lower Upper
 152 100
 150 157.2 127.4 191.2
 115 65.9 51.9 77.9



#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

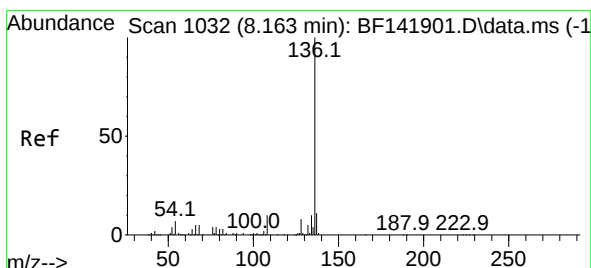
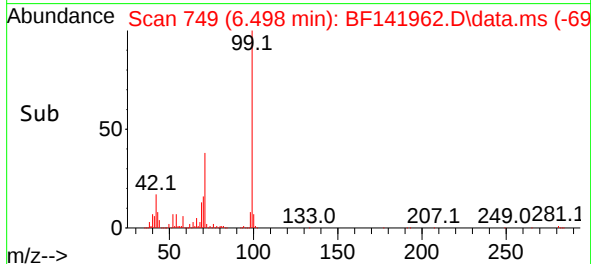
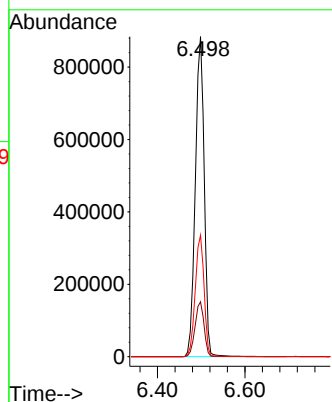
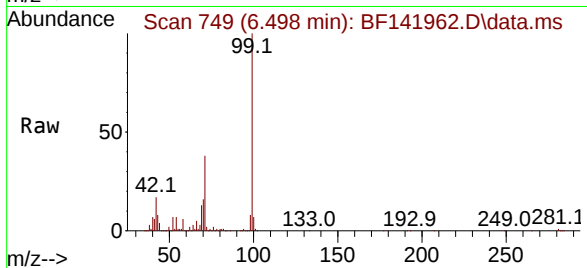




#7
Phenol-d6
Concen: 106.563 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

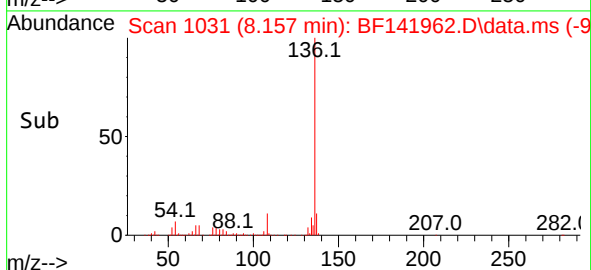
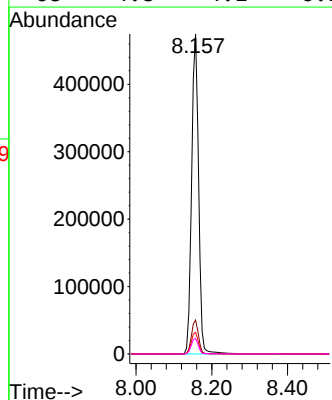
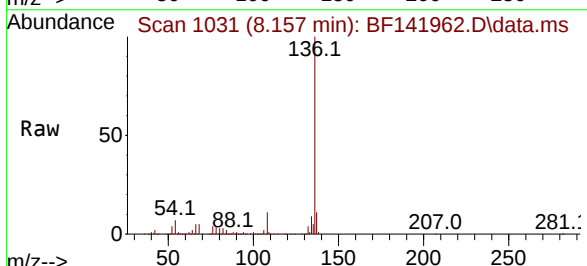
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP

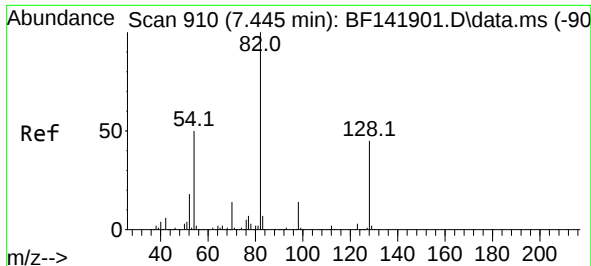
Tgt Ion: 99 Resp: 1254930
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 38.0 30.8 46.2



#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

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

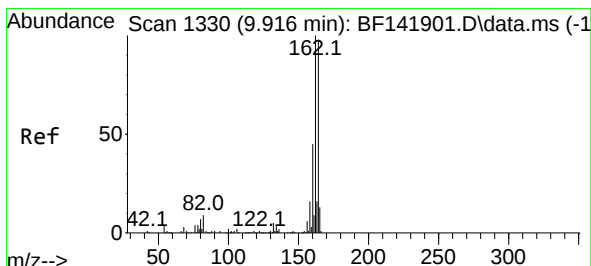
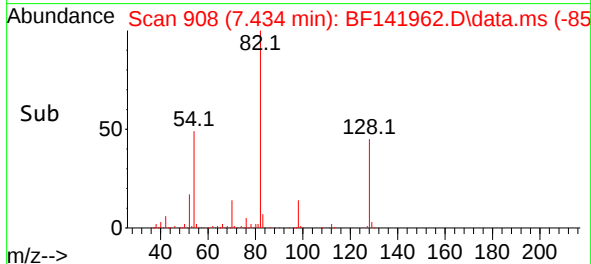
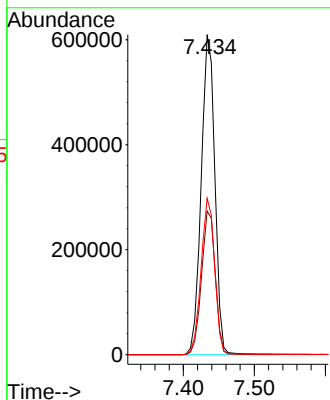
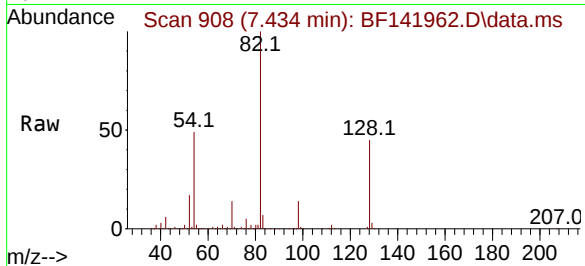




#23
Nitrobenzene-d5
Concen: 76.096 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

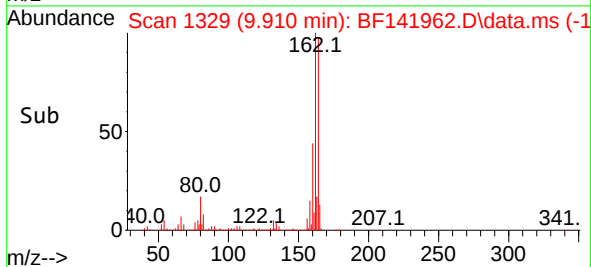
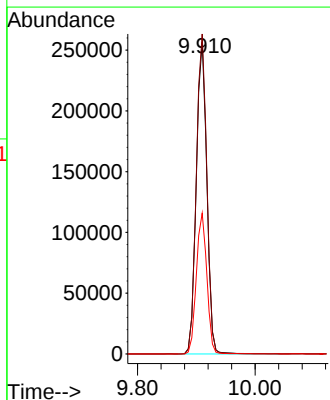
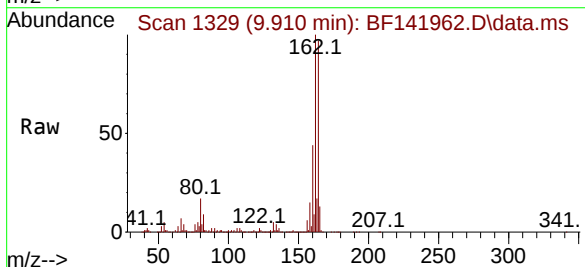
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP

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



#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

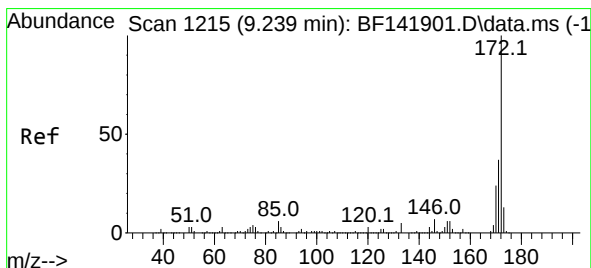
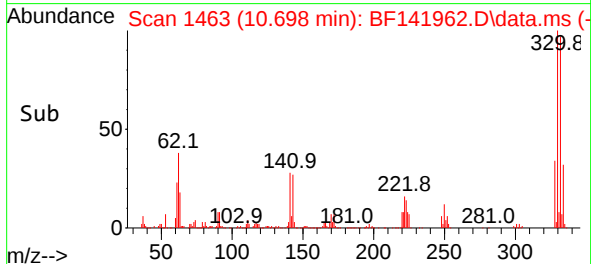
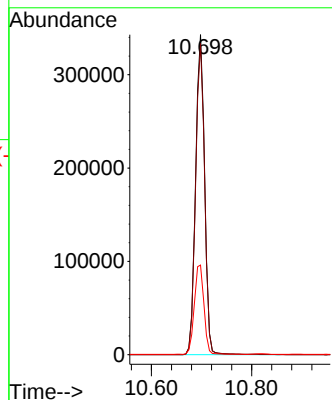
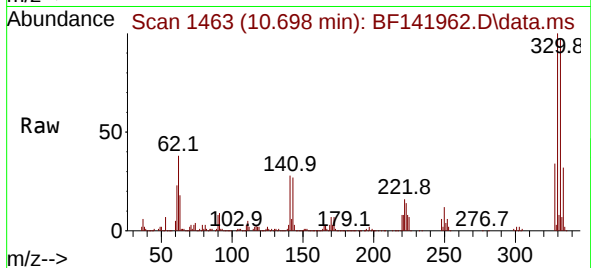
Tgt Ion:330 Resp: 427448

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

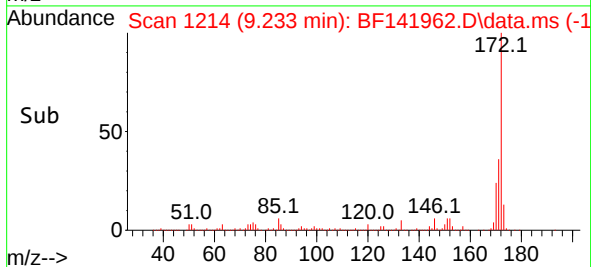
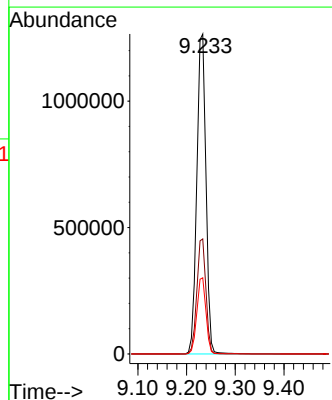
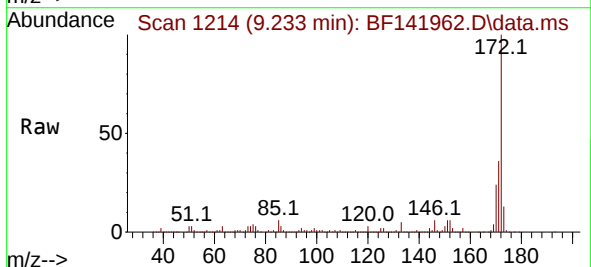
Tgt Ion:172 Resp: 1668055

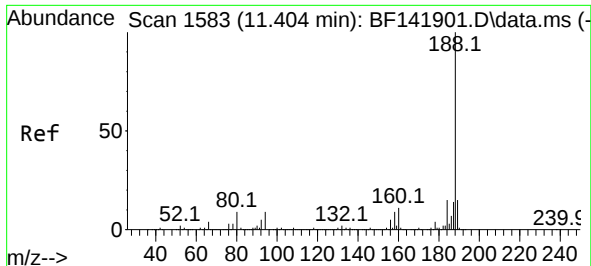
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.8 19.4 29.0

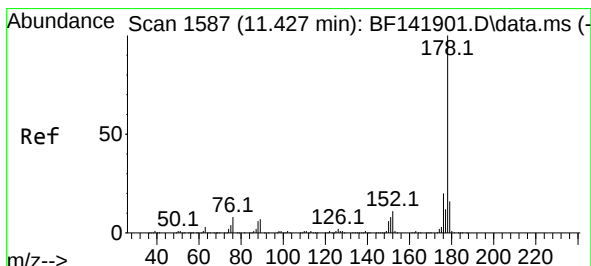
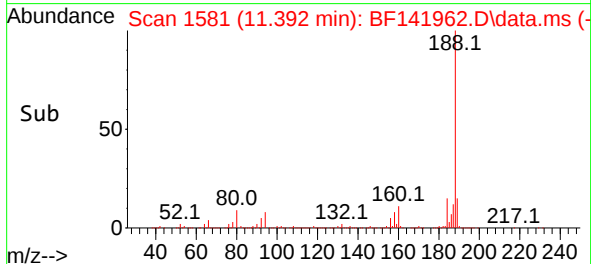
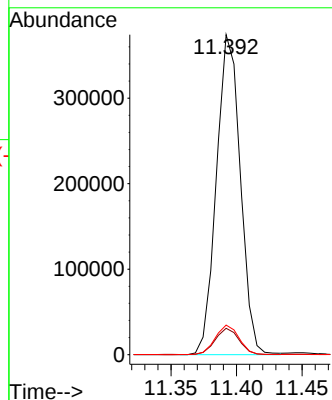
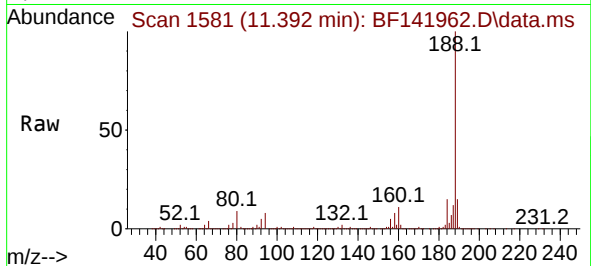




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

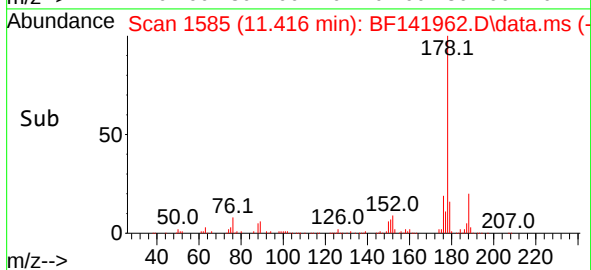
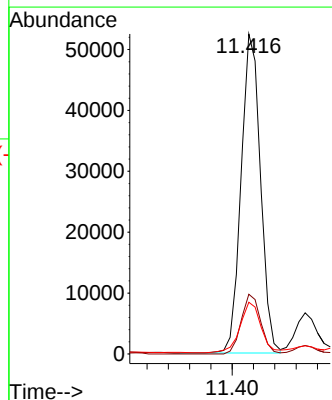
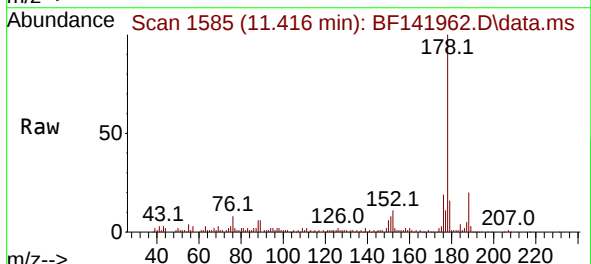
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BNA_F
ClientSampleId :
CTWK-COMP

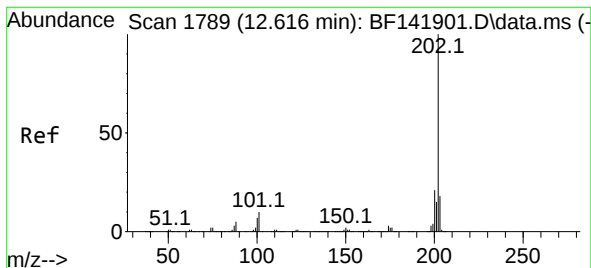
Tgt Ion:188 Resp: 474631
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 9.3 7.6 11.4



#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





#75

Fluoranthene

Concen: 3.022 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP

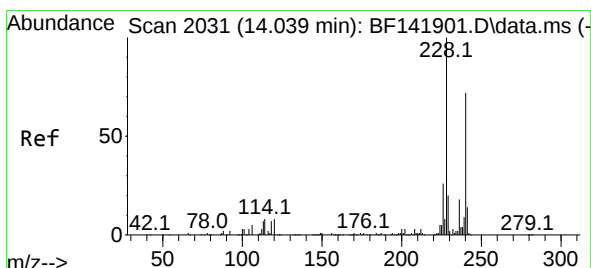
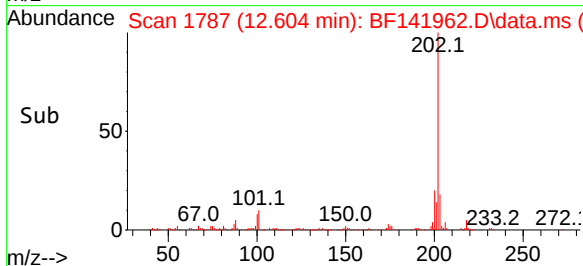
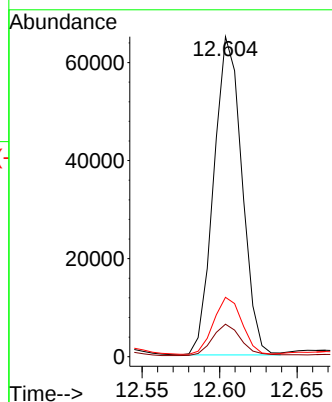
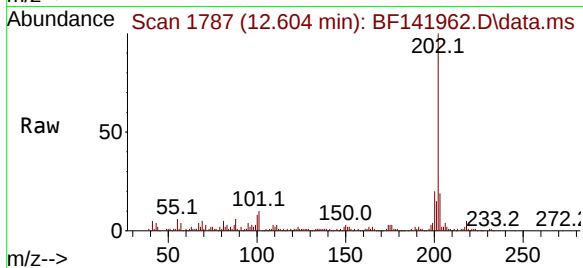
Tgt Ion:202 Resp: 82171

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# 2030

Delta R.T. -0.006 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

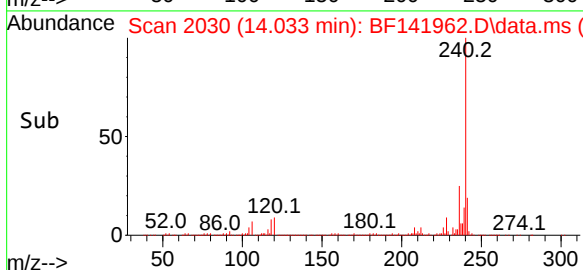
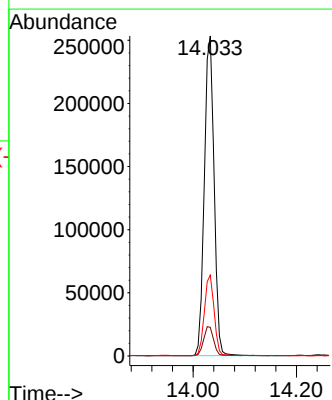
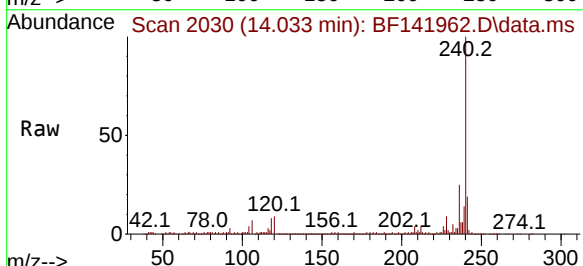
Tgt Ion:240 Resp: 330816

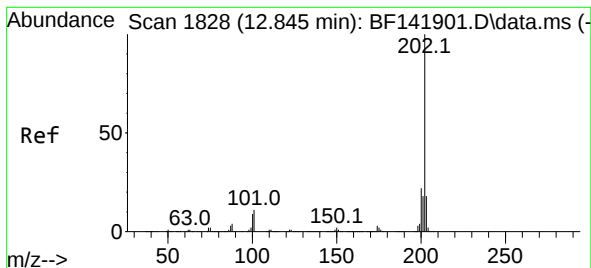
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

CTWK-COMP

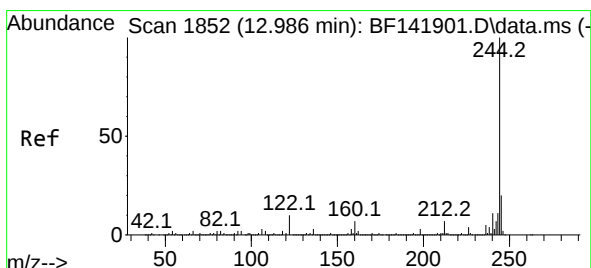
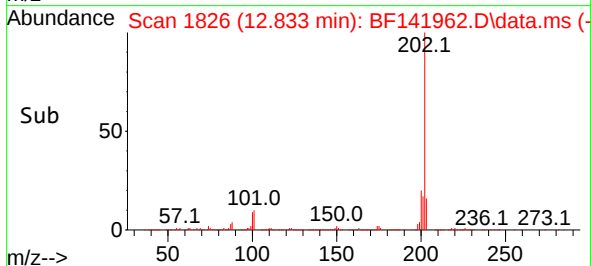
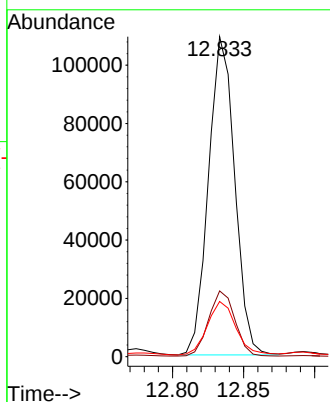
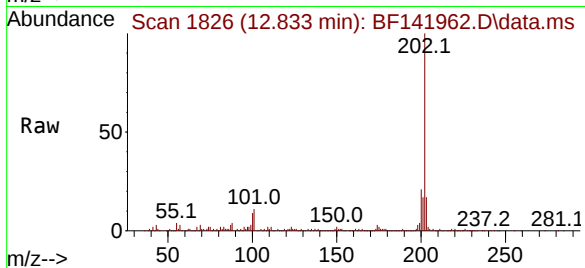
Tgt Ion:202 Resp: 140283

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

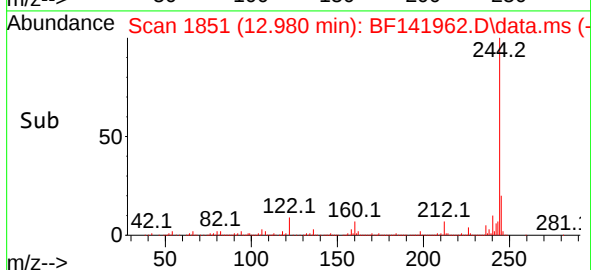
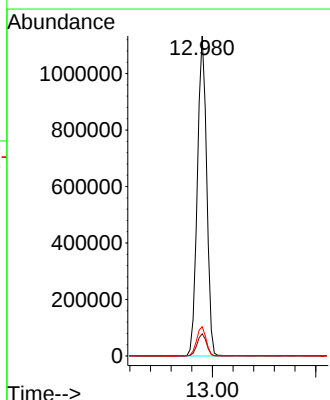
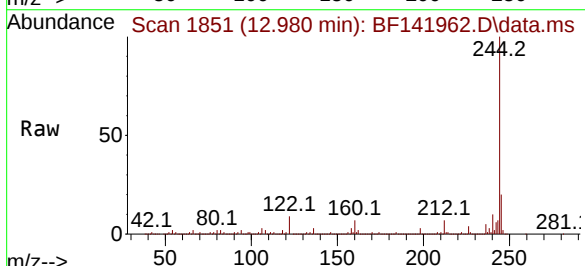
Tgt Ion:244 Resp: 1416480

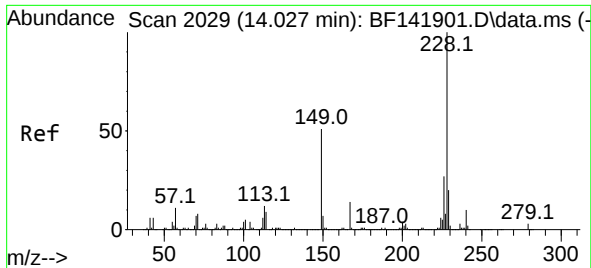
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.1 7.7 11.5

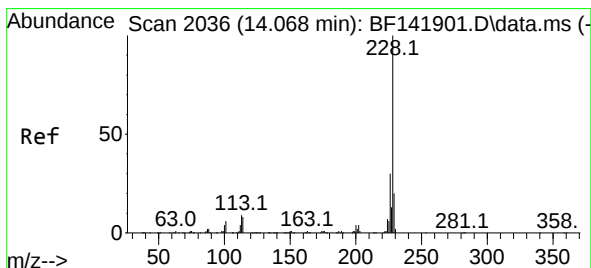
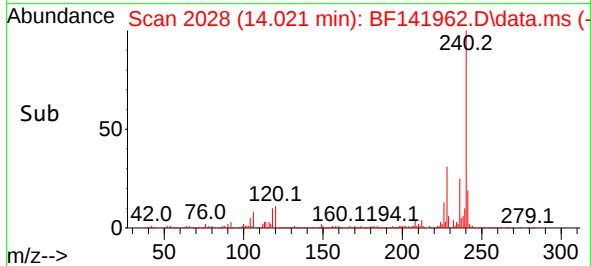
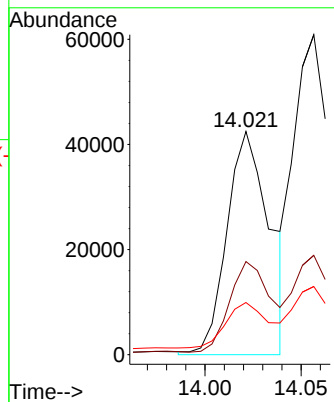
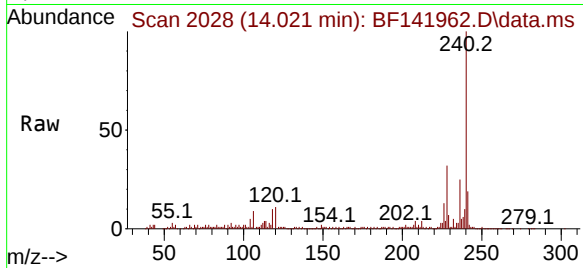




#81
Benzo(a)anthracene
Concen: 3.024 ng m
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF141962.D
Acq: 14 Mar 2025 13:41

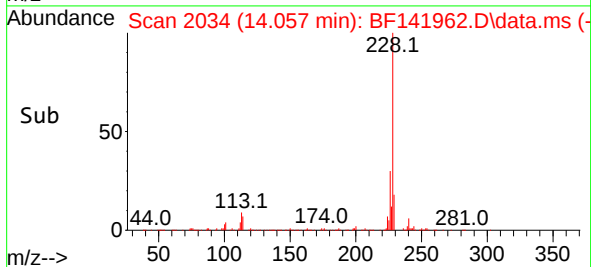
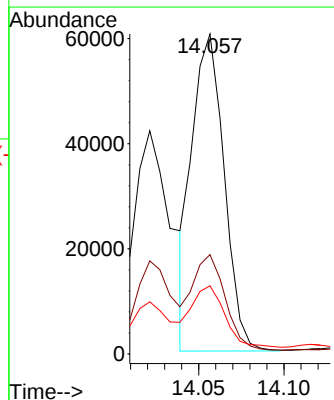
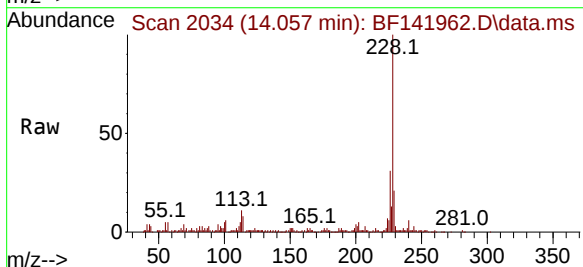
Instrument :
BNA_F
ClientSampleId :
CTWK-COMP

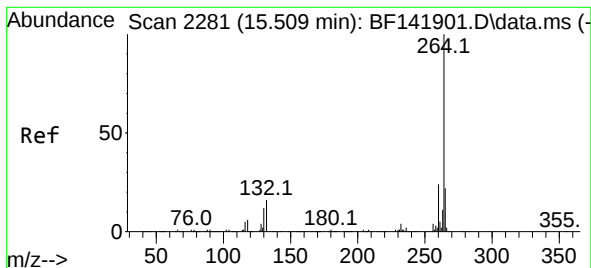
Tgt Ion:228 Resp: 65642
Ion Ratio Lower Upper
228 100
226 41.8 21.8 32.8#
229 23.4 16.0 24.0



#83
Chrysene
Concen: 4.007 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 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 24.1 36.1
229 21.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 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

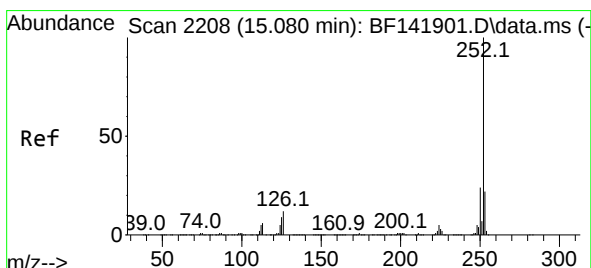
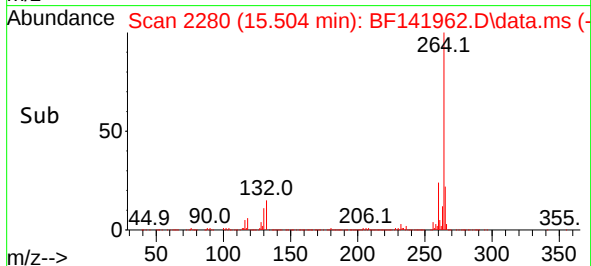
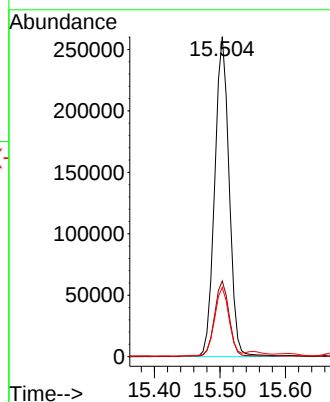
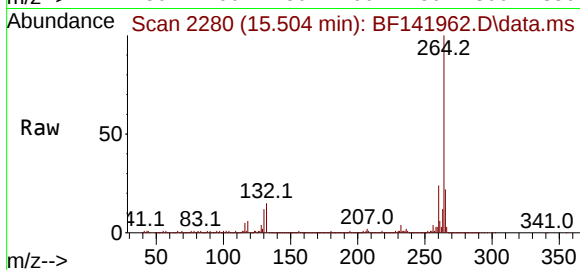
Tgt Ion:264 Resp: 396666

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: 3.404 ng m

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141962.D

Acq: 14 Mar 2025 13:41

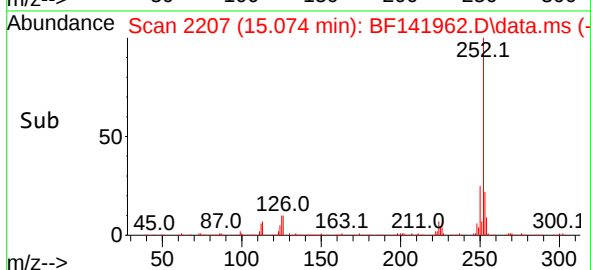
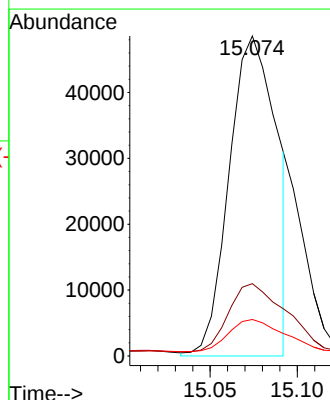
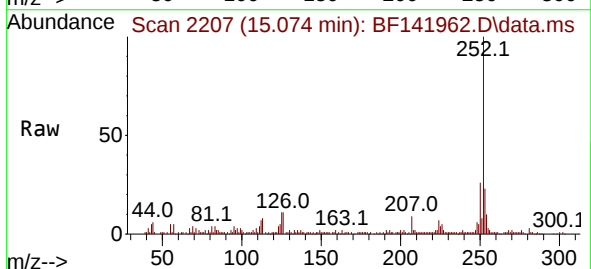
Tgt Ion:252 Resp: 92550

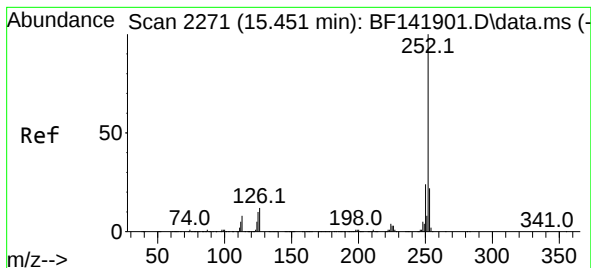
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.4 7.0 10.4#





#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

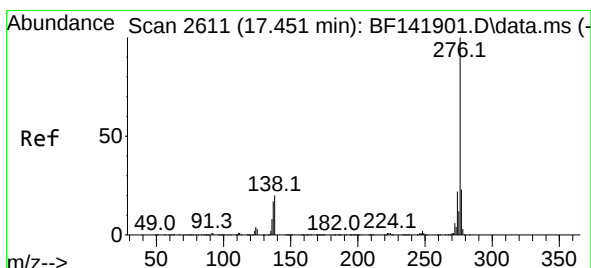
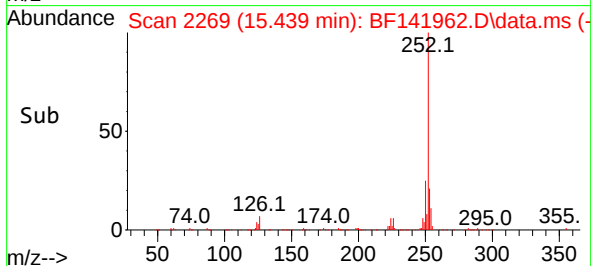
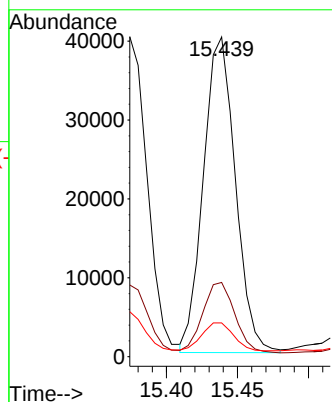
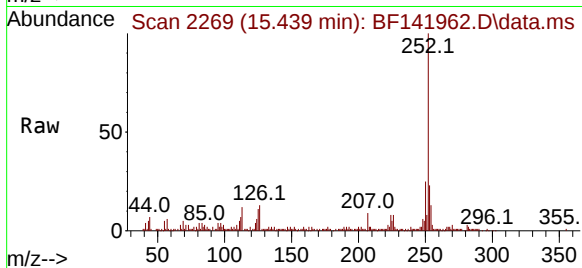
Tgt Ion:252 Resp: 62709

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

