

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142875.D
 Acq On : 26 Jun 2025 18:35
 Operator : RC/JU
 Sample : Q2414-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 27 01:20:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

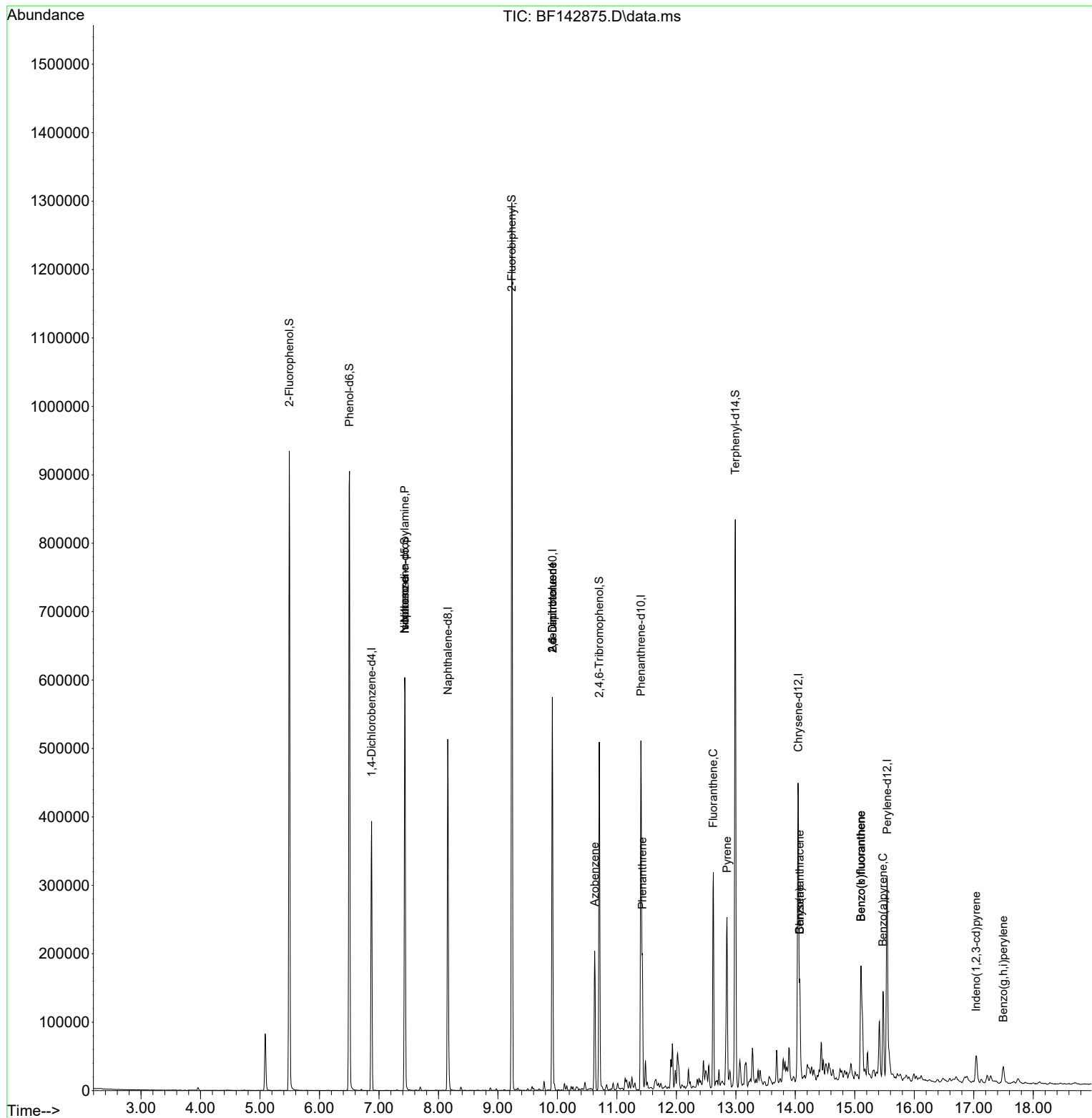
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85538	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	329492	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	170341	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	263523	20.000	ng	0.00
76) Chrysene-d12	14.051	240	146506	20.000	ng	0.00
86) Perylene-d12	15.545	264	178829	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	355054	69.108	ng	0.00
7) Phenol-d6	6.504	99	425944	70.271	ng	0.00
23) Nitrobenzene-d5	7.434	82	262155	43.641	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	84646	48.288	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	576507	44.460	ng	-0.01
79) Terphenyl-d14	12.992	244	396587	37.402	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	35146	9.970	ng	# 76
25) Isophorone	7.434	82	262186	27.208	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	22371	9.239	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	22371	6.955	ng	# 28
63) Azobenzene	10.628	77	46484	4.811	ng	# 1
71) Phenanthrene	11.427	178	100132	7.014	ng	99
75) Fluoranthene	12.622	202	180172	13.299	ng	99
78) Pyrene	12.851	202	146569	10.673	ng	99
81) Benzo(a)anthracene	14.074	228	74927	7.581	ng	95
83) Chrysene	14.074	228	74927	8.496	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	29265	2.148	ng	96
88) Benzo(b)fluoranthene	15.104	252	143649	13.882	ng	98
89) Benzo(k)fluoranthene	15.104	252	143649	14.838	ng	98
90) Benzo(a)pyrene	15.474	252	78310	7.834	ng	98
92) Benzo(g,h,i)perylene	17.498	276	23396	2.120	ng	99

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

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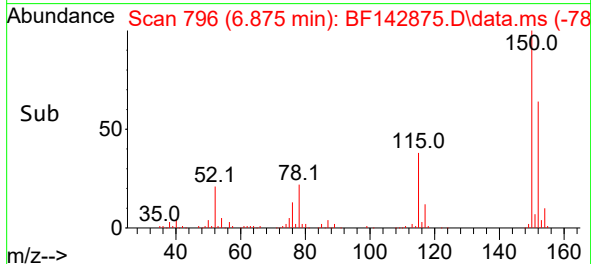
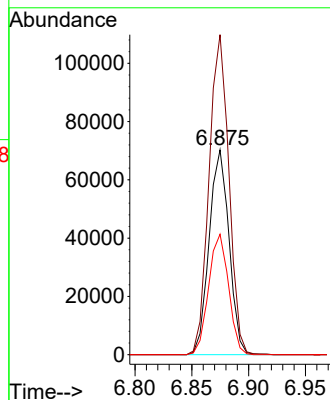
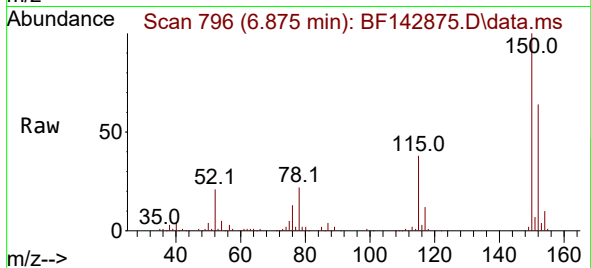




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142875.D
 Acq: 26 Jun 2025 18:35

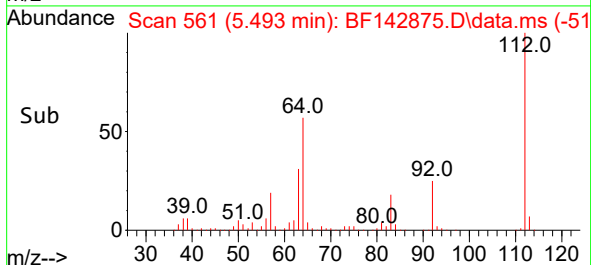
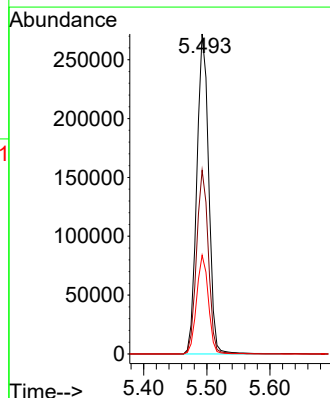
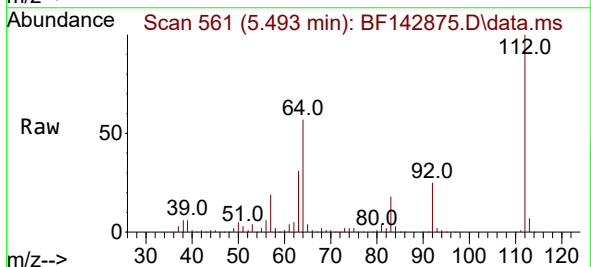
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

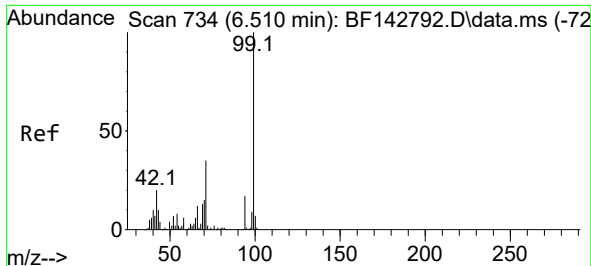
Tgt Ion:152 Resp: 85538
 Ion Ratio Lower Upper
 152 100
 150 156.3 127.2 190.8
 115 58.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 69.108 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142875.D
 Acq: 26 Jun 2025 18:35

Tgt Ion:112 Resp: 355054
 Ion Ratio Lower Upper
 112 100
 64 57.4 48.2 72.2
 63 30.9 25.7 38.5





#7

Phenol-d6

Concen: 70.271 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

WC-1

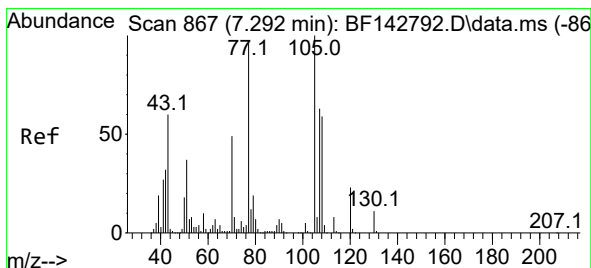
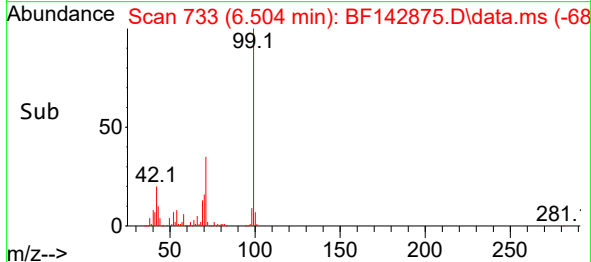
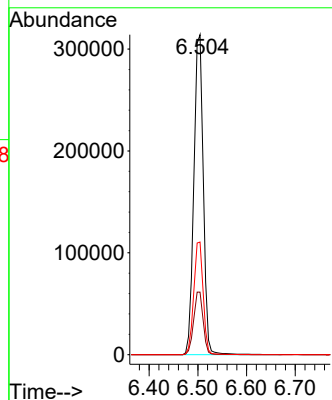
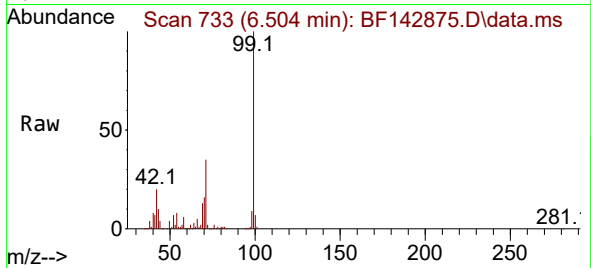
Tgt Ion: 99 Resp: 425944

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

71 35.2 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 9.970 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Tgt Ion: 70 Resp: 35146

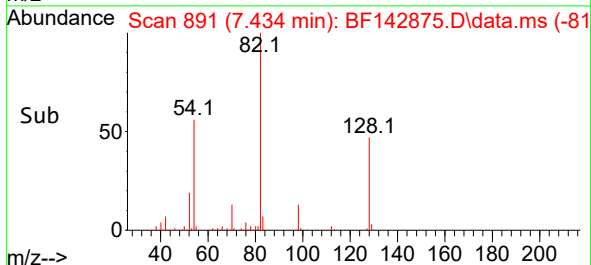
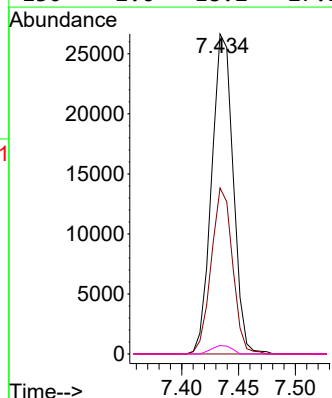
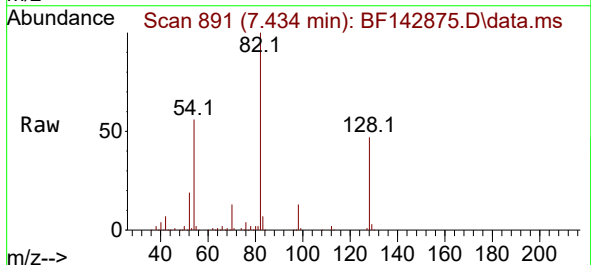
Ion Ratio Lower Upper

70 100

42 51.8 52.1 78.1#

101 0.0 8.2 12.2#

130 2.6 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 329492

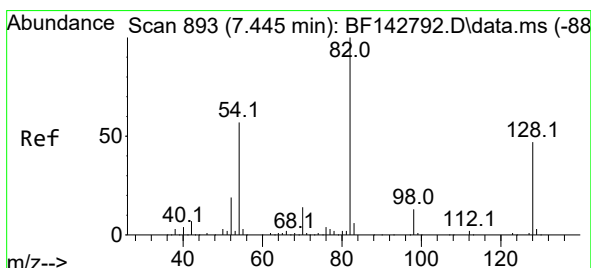
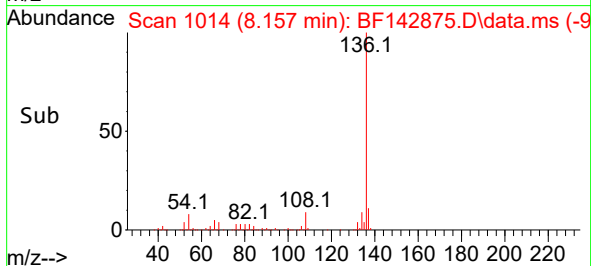
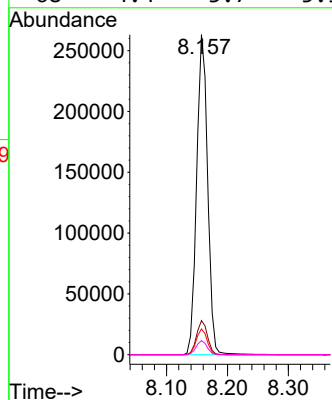
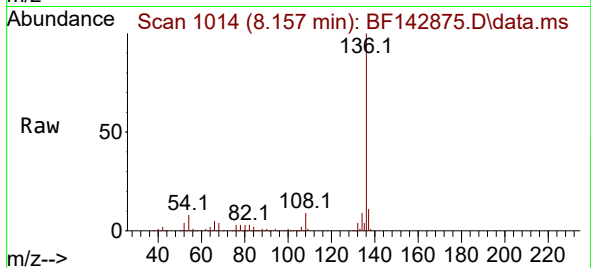
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 8.1 6.3 9.5

68 4.4 3.7 5.5



#23

Nitrobenzene-d5

Concen: 43.641 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

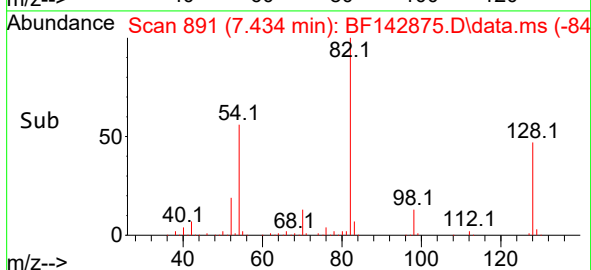
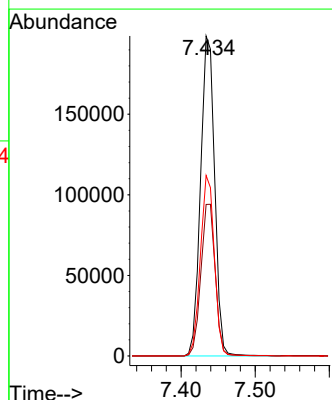
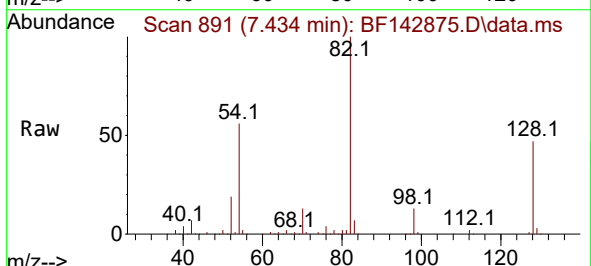
Tgt Ion: 82 Resp: 262155

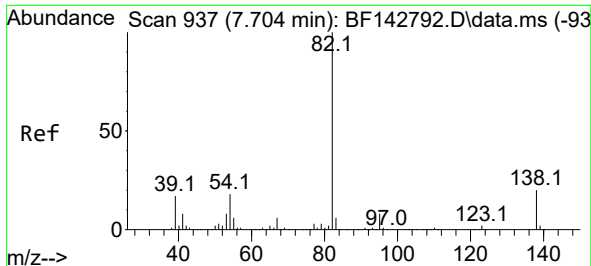
Ion Ratio Lower Upper

82 100

128 47.3 37.7 56.5

54 56.4 45.7 68.5

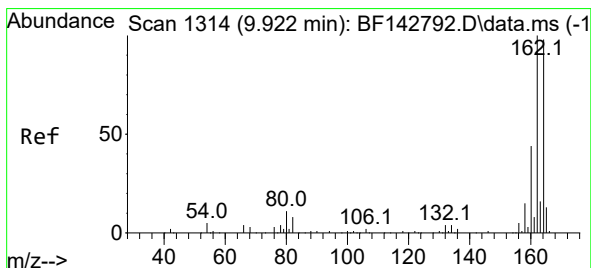
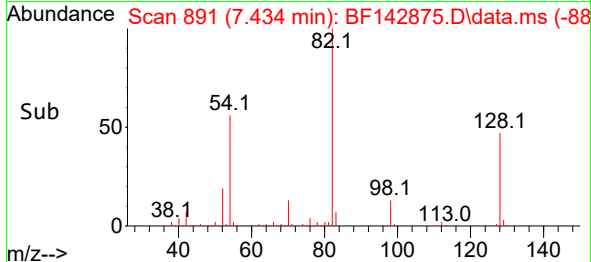
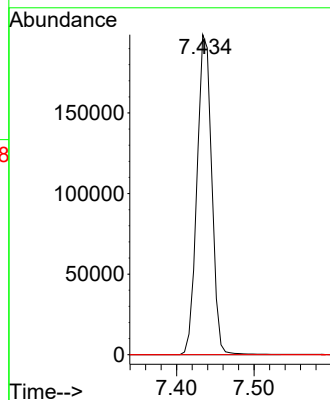
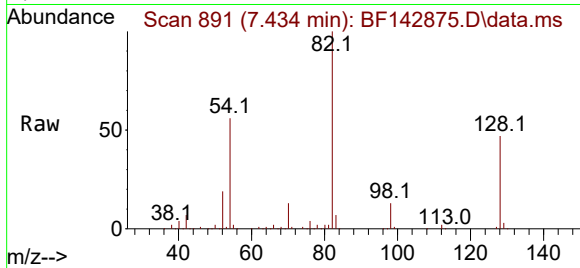




#25
Isophorone
Concen: 27.208 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

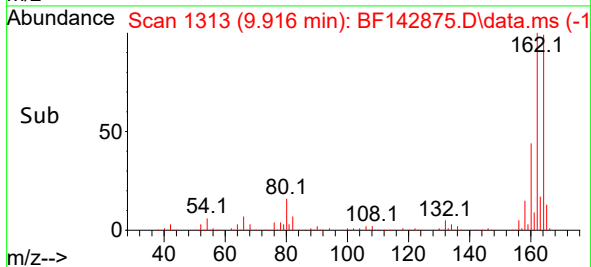
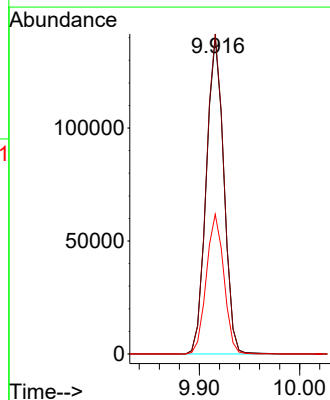
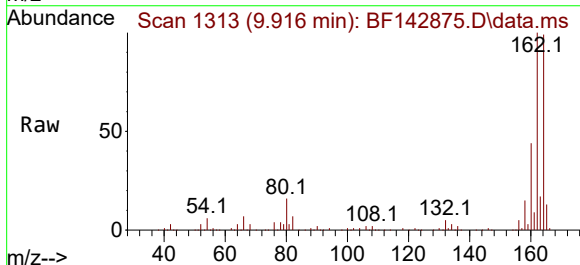
Instrument :
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WC-1

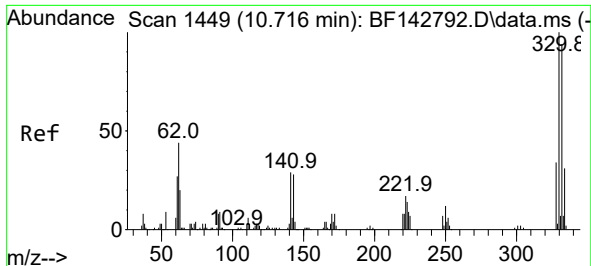
Tgt Ion: 82 Resp: 262186
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

Tgt Ion:164 Resp: 170341
Ion Ratio Lower Upper
164 100
162 101.1 81.8 122.8
160 44.1 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 48.288 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

WC-1

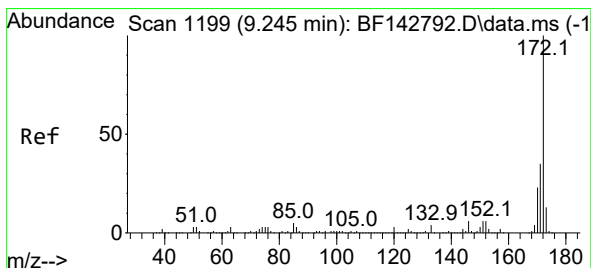
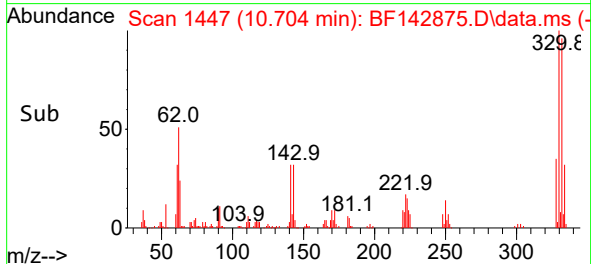
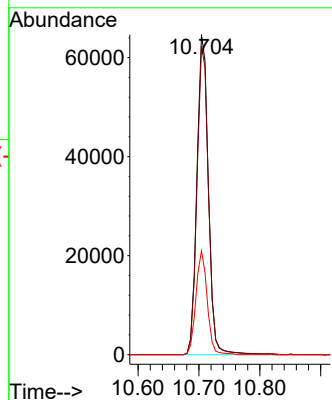
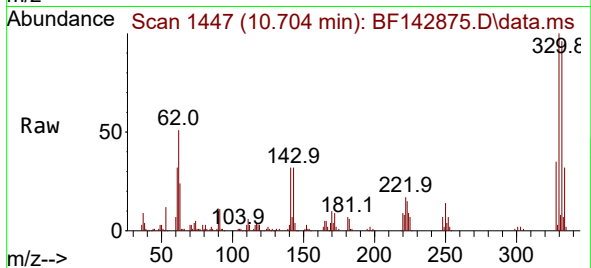
Tgt Ion:330 Resp: 84646

Ion Ratio Lower Upper

330 100

332 97.0 75.0 112.6

141 31.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 44.460 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

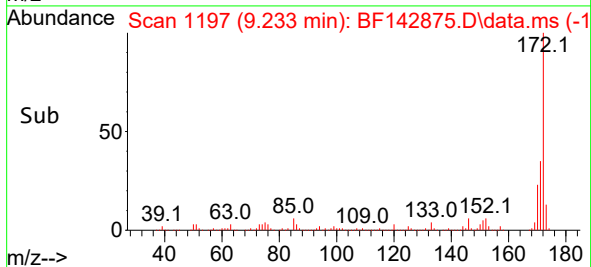
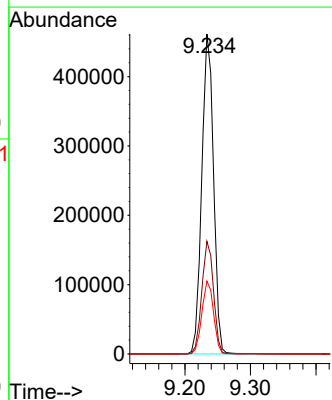
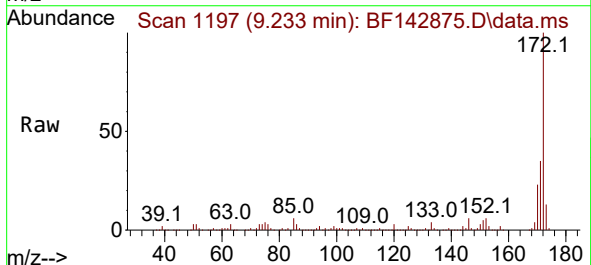
Tgt Ion:172 Resp: 576507

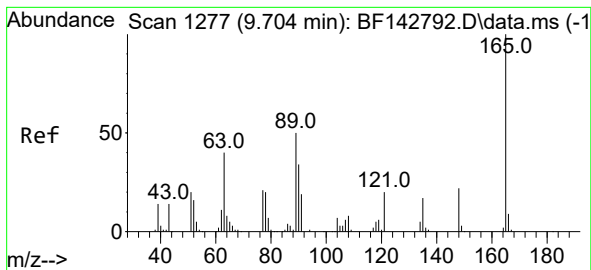
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 22.8 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 9.239 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

WC-1

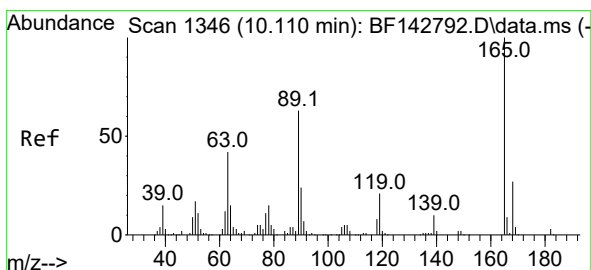
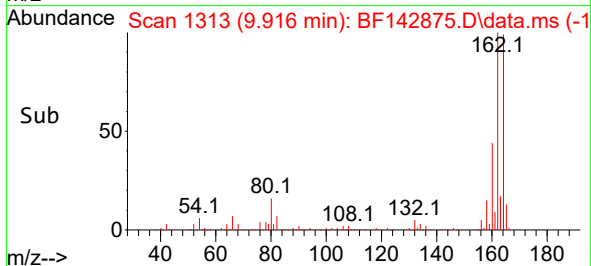
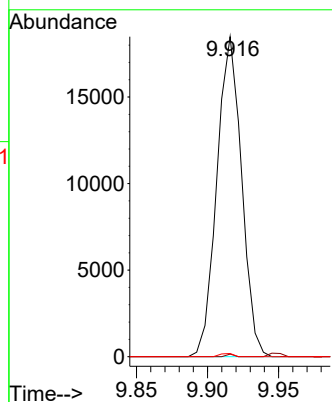
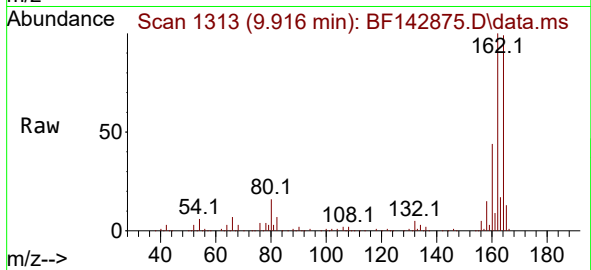
Tgt Ion:165 Resp: 22371

Ion Ratio Lower Upper

165 100

63 0.8 44.2 66.4#

89 1.0 39.8 59.8#



#57

2,4-Dinitrotoluene

Concen: 6.955 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Tgt Ion:165 Resp: 22371

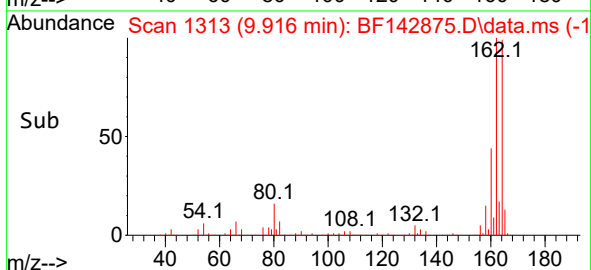
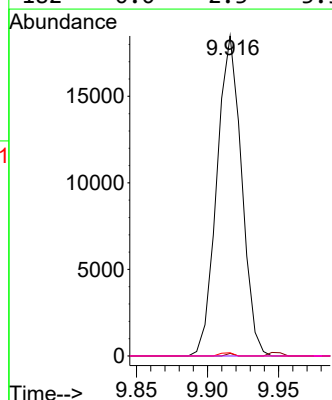
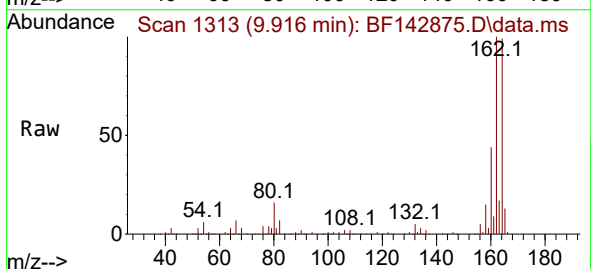
Ion Ratio Lower Upper

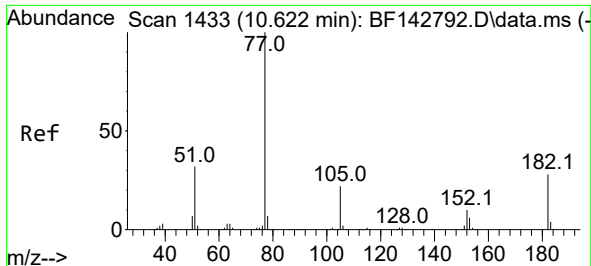
165 100

63 0.8 33.9 50.9#

89 1.0 50.6 75.8#

182 0.0 2.3 3.5#

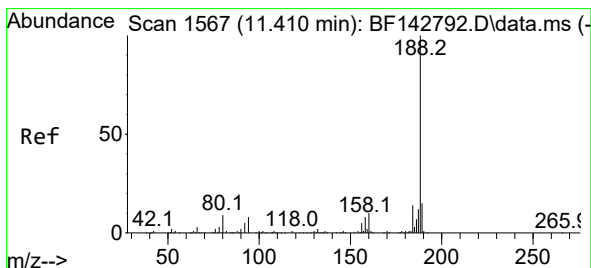
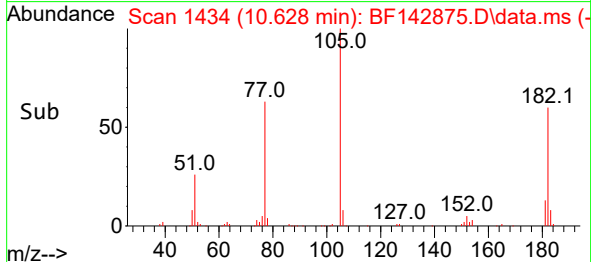
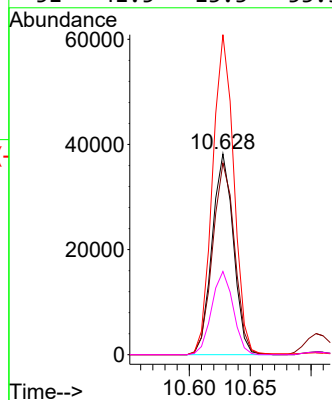
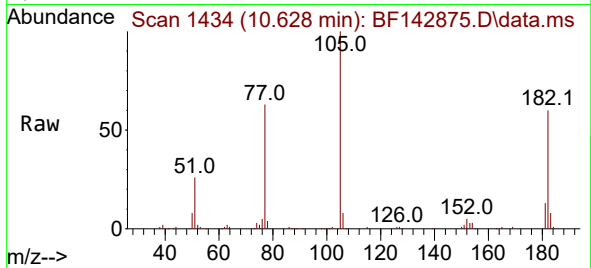




#63
Azobenzene
Concen: 4.811 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

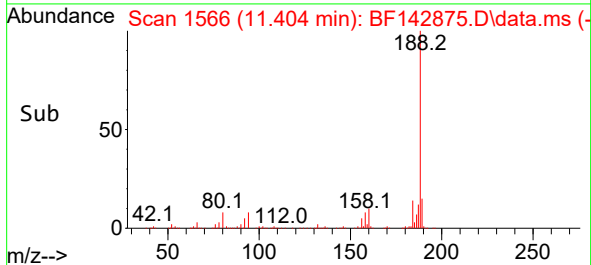
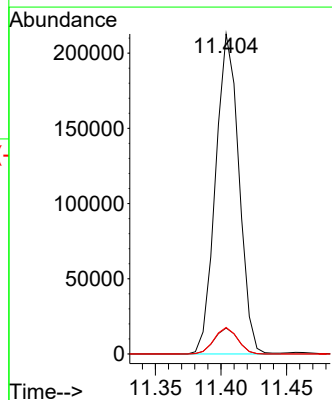
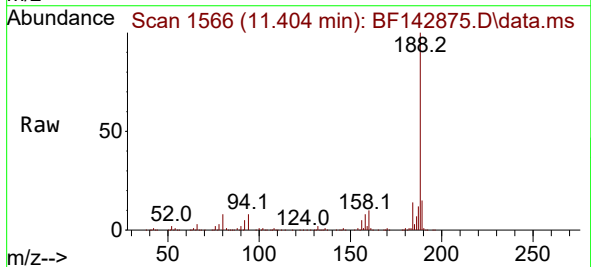
Instrument :
BNA_F
ClientSampleId :
WC-1

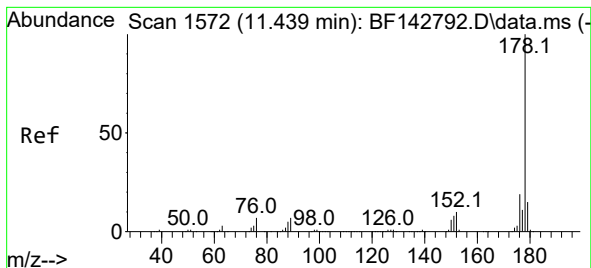
Tgt Ion: 77 Resp: 46484
Ion Ratio Lower Upper
77 100
182 95.5 7.7 47.7#
105 159.4 1.9 41.9#
51 41.5 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

Tgt Ion:188 Resp: 263523
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 8.3 6.9 10.3





#71

Phenanthrene

Concen: 7.014 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

WC-1

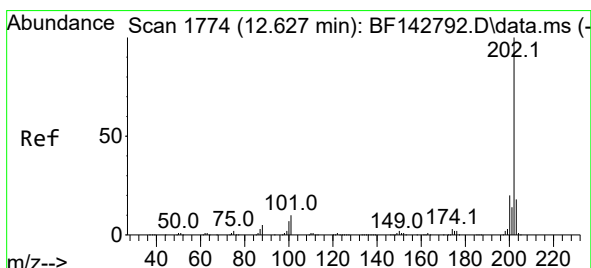
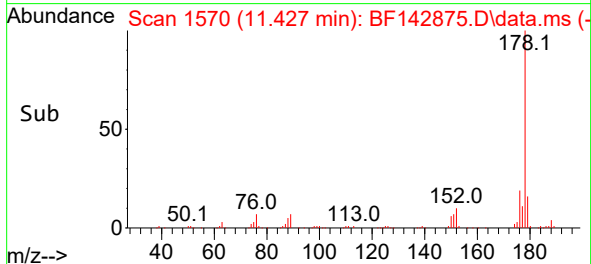
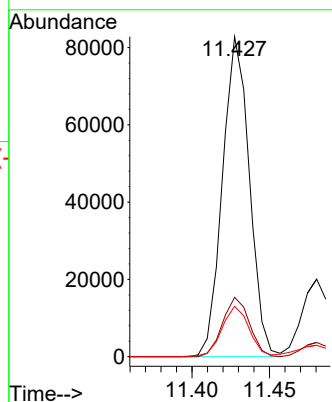
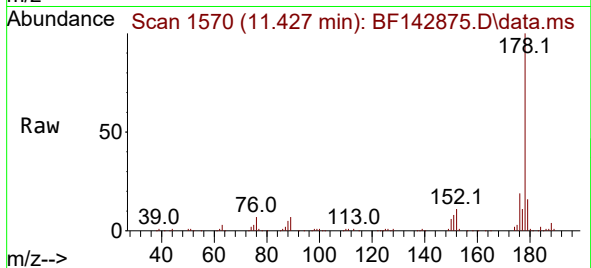
Tgt Ion:178 Resp: 100132

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 15.7 12.0 18.0



#75

Fluoranthene

Concen: 13.299 ng

RT: 12.622 min Scan# 1773

Delta R.T. -0.006 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

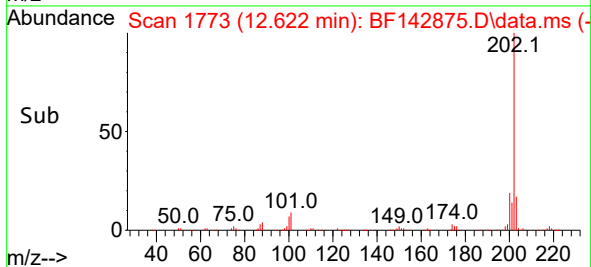
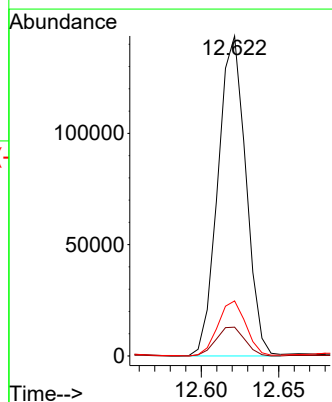
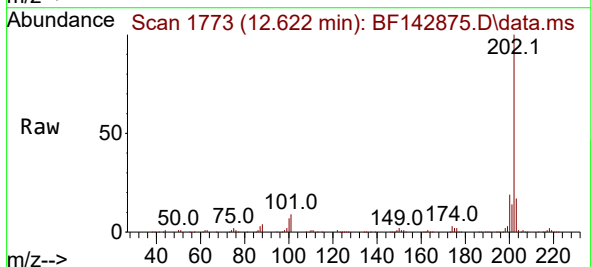
Tgt Ion:202 Resp: 180172

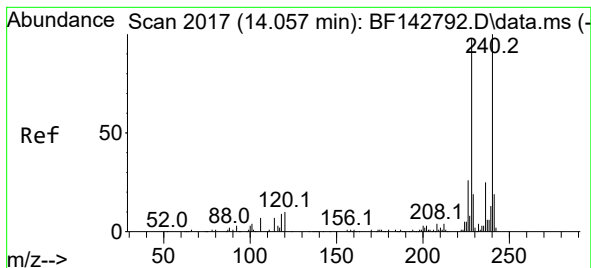
Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.7

203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

WC-1

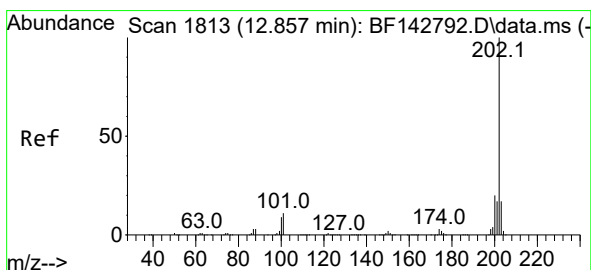
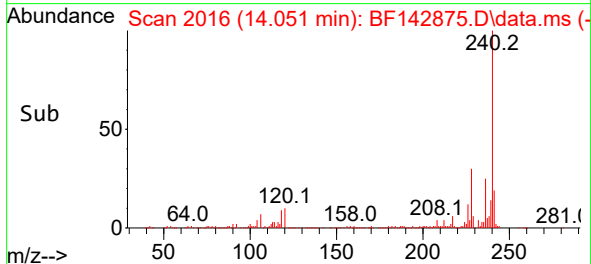
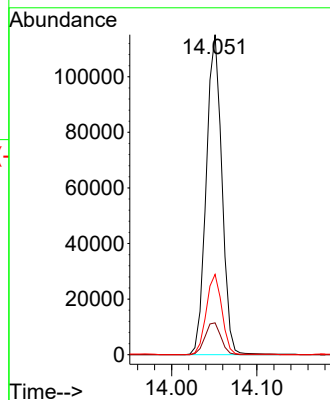
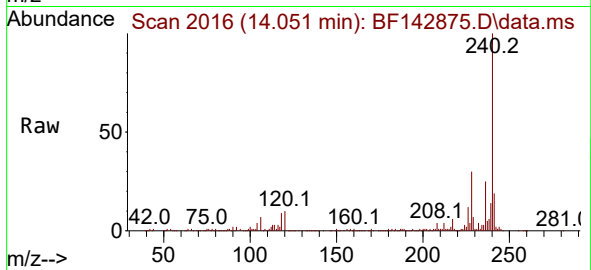
Tgt Ion:240 Resp: 146506

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 25.1 19.8 29.8



#78

Pyrene

Concen: 10.673 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

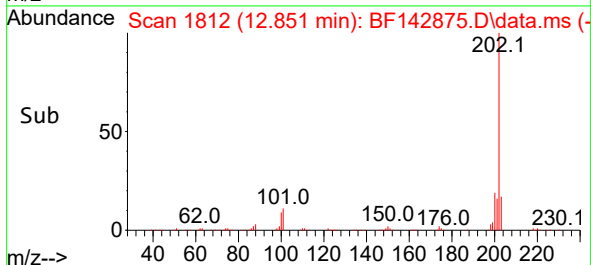
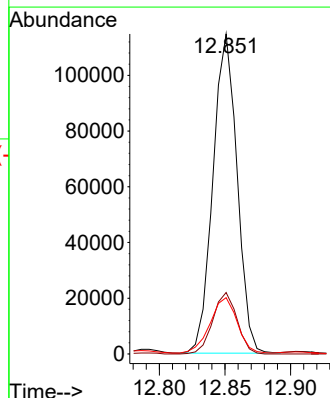
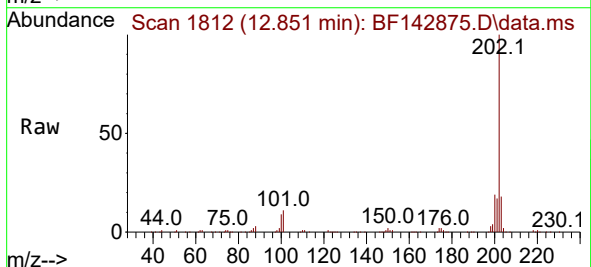
Tgt Ion:202 Resp: 146569

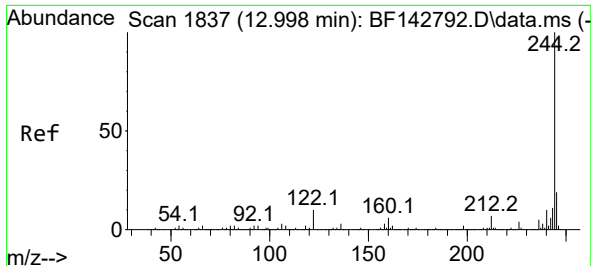
Ion Ratio Lower Upper

202 100

200 19.2 15.7 23.5

203 17.6 13.8 20.6

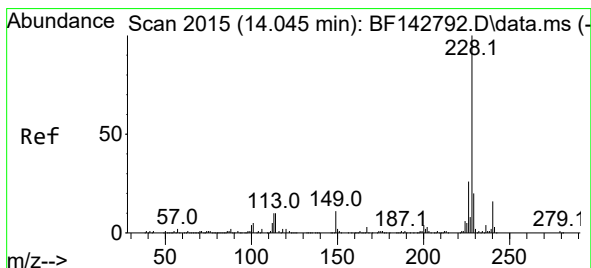
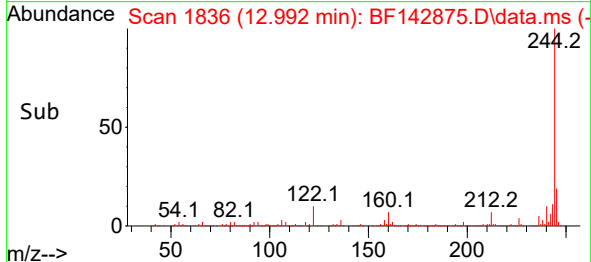
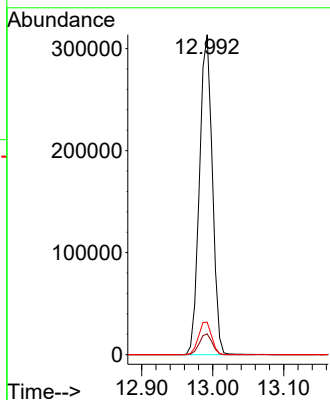
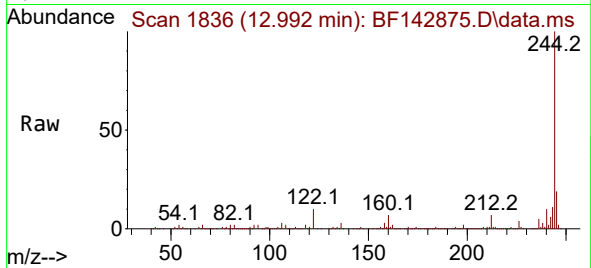




#79
 Terphenyl-d14
 Concen: 37.402 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142875.D
 Acq: 26 Jun 2025 18:35

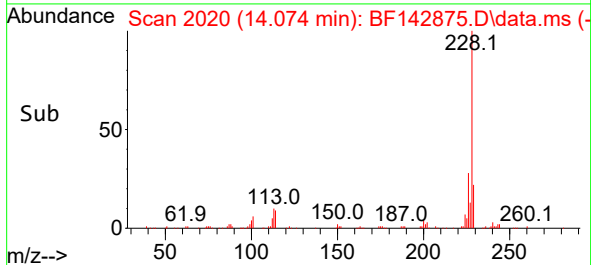
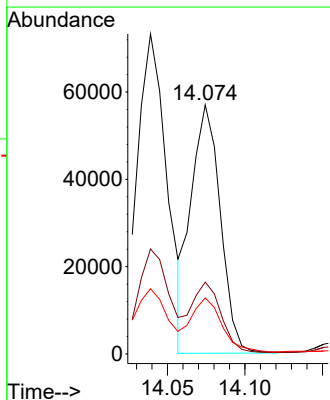
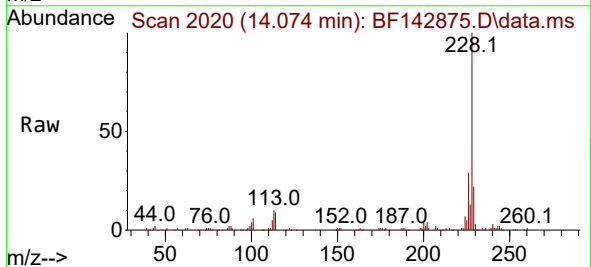
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

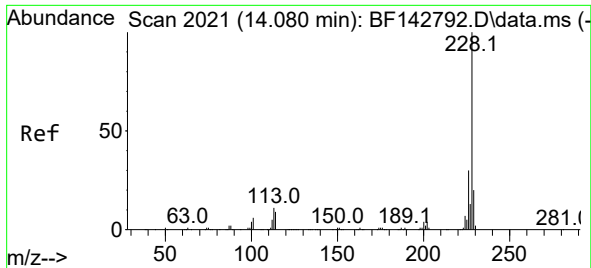
Tgt Ion:244 Resp: 396587
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.2 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 7.581 ng
 RT: 14.074 min Scan# 2020
 Delta R.T. 0.030 min
 Lab File: BF142875.D
 Acq: 26 Jun 2025 18:35

Tgt Ion:228 Resp: 74927
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.2 31.8
 229 22.5 15.6 23.4

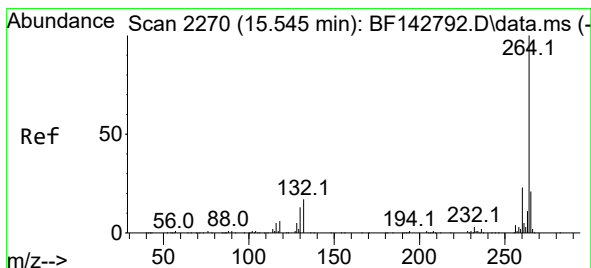
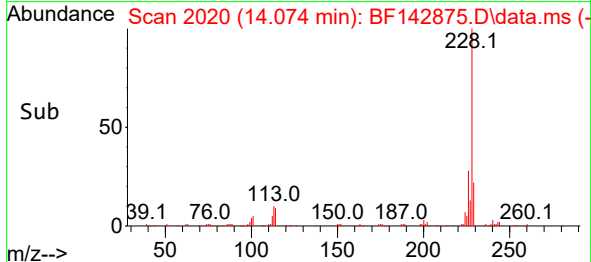
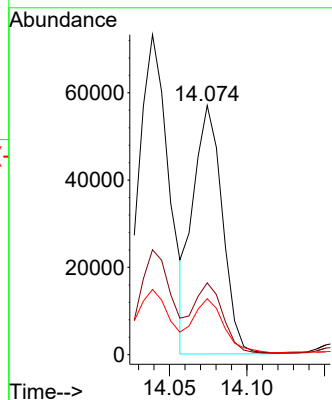
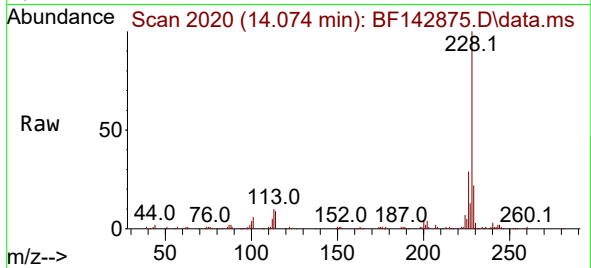




#83
Chrysene
Concen: 8.496 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

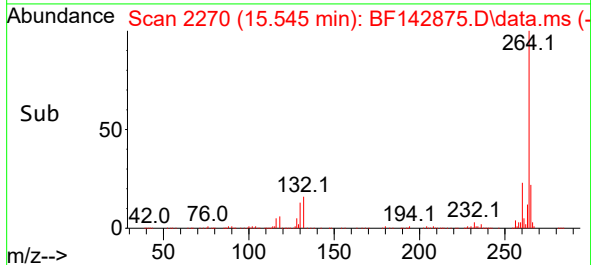
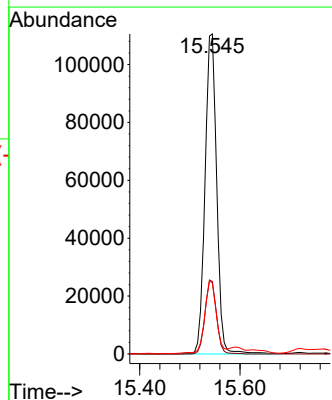
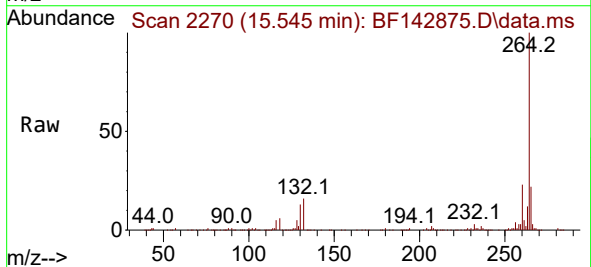
Instrument :
BNA_F
ClientSampleId :
WC-1

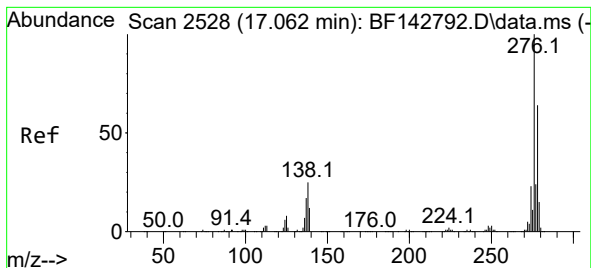
Tgt Ion:228 Resp: 74927
Ion Ratio Lower Upper
228 100
226 28.9 23.7 35.5
229 22.5 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

Tgt Ion:264 Resp: 178829
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 22.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.148 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

WC-1

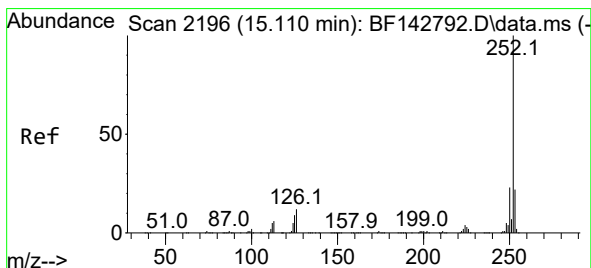
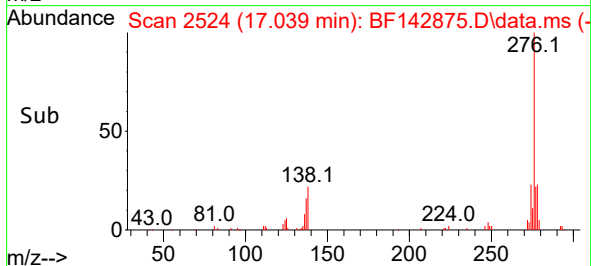
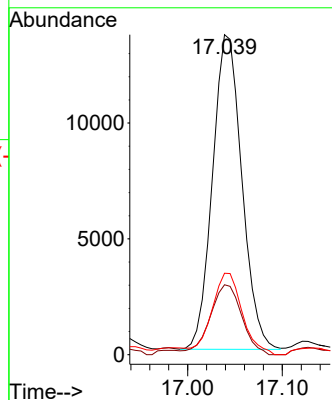
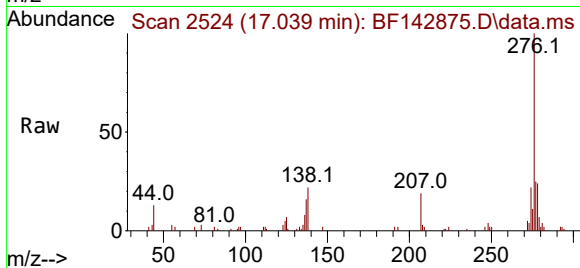
Tgt Ion:276 Resp: 29265

Ion Ratio Lower Upper

276 100

138 24.0 20.2 30.4

277 27.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 13.882 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

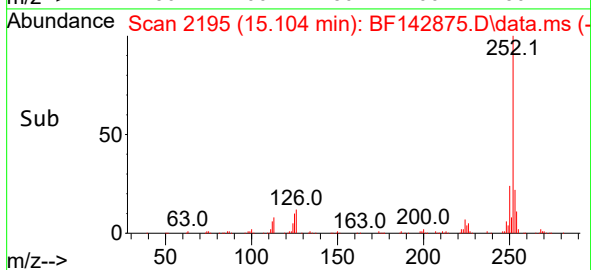
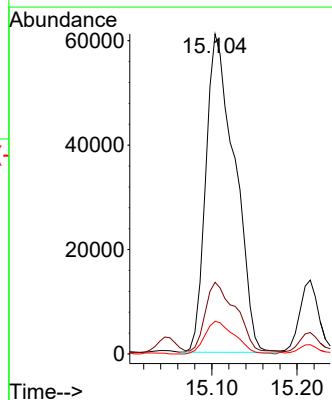
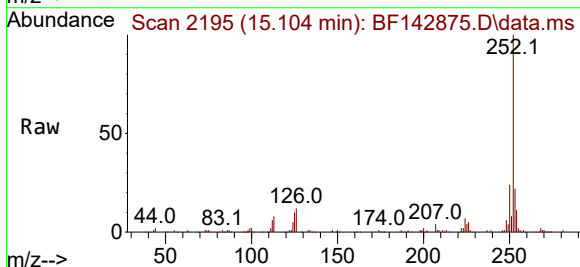
Tgt Ion:252 Resp: 143649

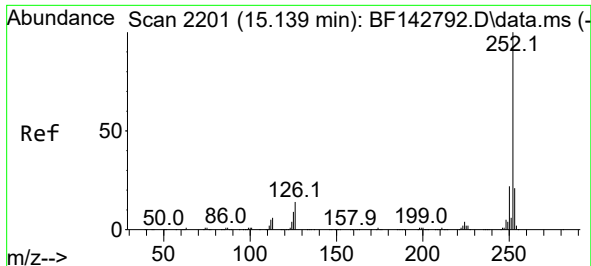
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 10.2 7.4 11.0

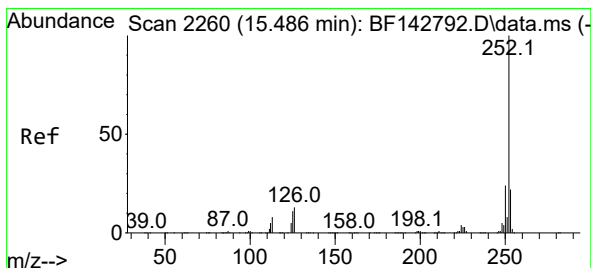
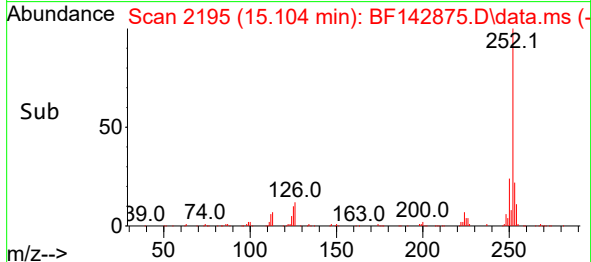
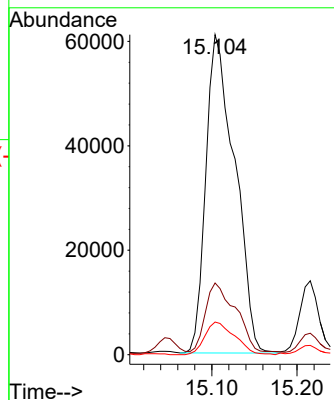
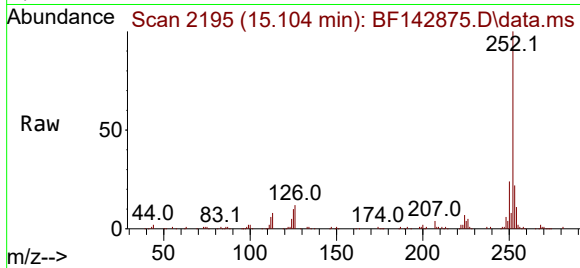




#89
Benzo(k)fluoranthene
Concen: 14.838 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

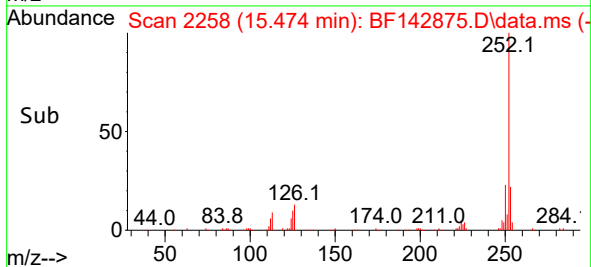
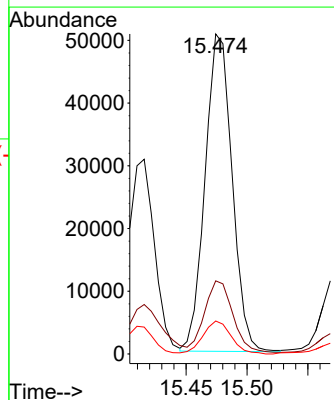
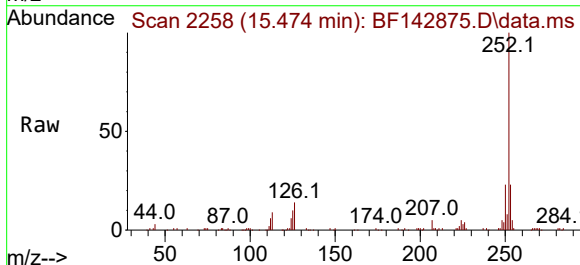
Instrument :
BNA_F
ClientSampleId :
WC-1

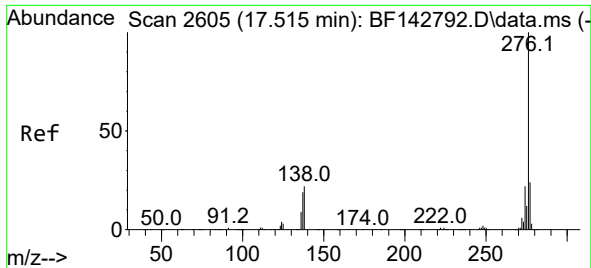
Tgt Ion:252 Resp: 143649
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 10.2 7.4 11.2



#90
Benzo(a)pyrene
Concen: 7.834 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

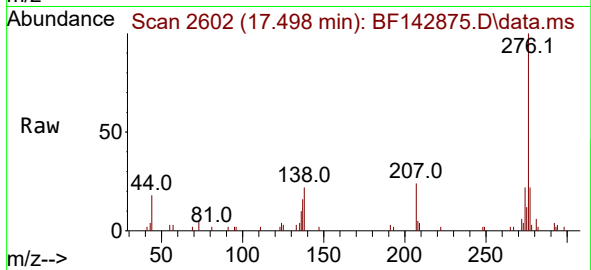
Tgt Ion:252 Resp: 78310
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.3 8.6 12.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.120 ng
 RT: 17.498 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF142875.D
 Acq: 26 Jun 2025 18:35

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:	276	Resp:	23396
Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.8	28.2
138	21.7	17.6	26.4

