

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142525.D
 Acq On : 22 May 2025 22:20
 Operator : RC/JU
 Sample : Q2095-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1

Quant Time: May 23 01:25:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

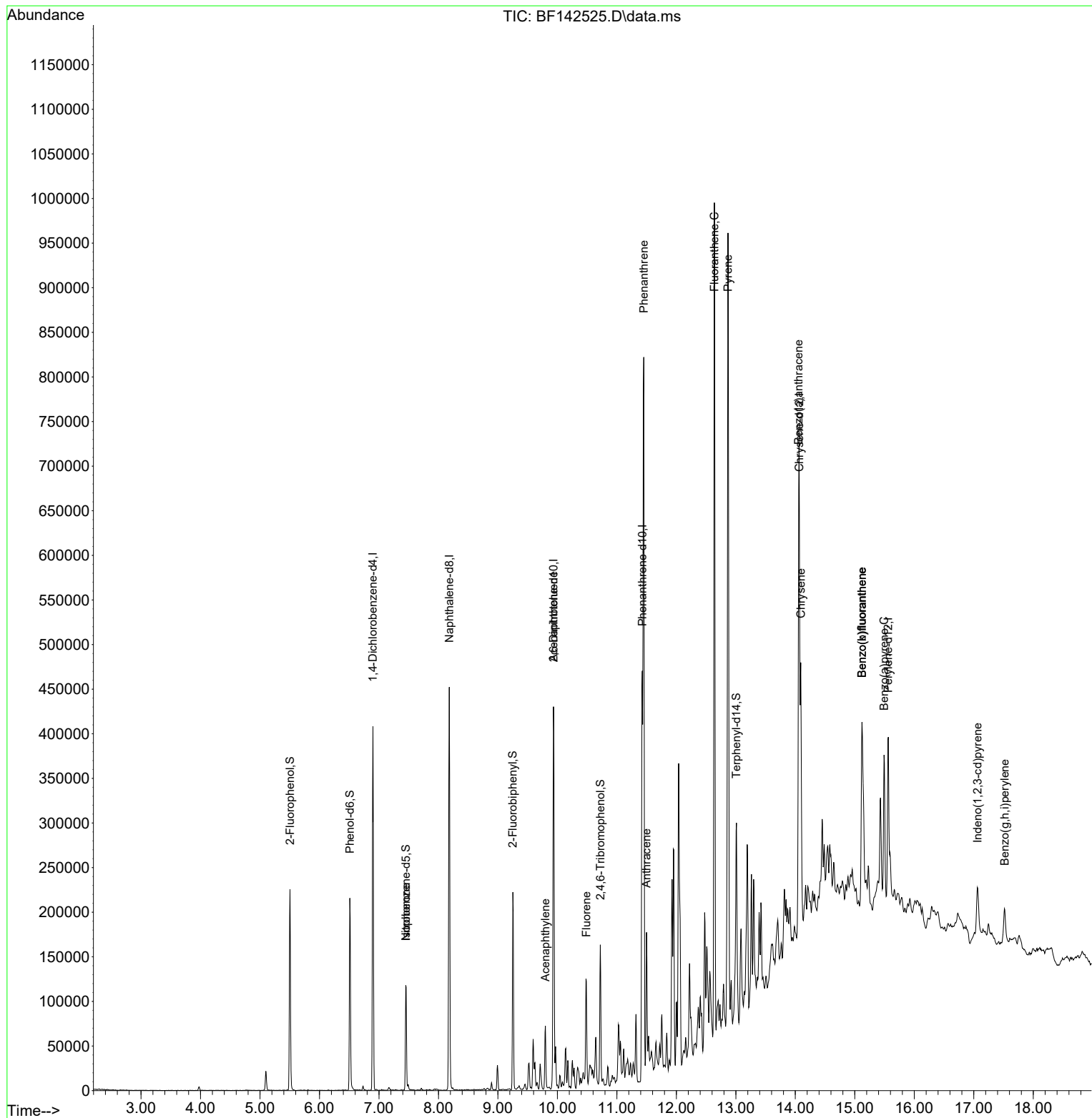
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	89003	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	282990	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	130474	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	238177	20.000	ng	0.00
76) Chrysene-d12	14.069	240	144827	20.000	ng	0.00
86) Perylene-d12	15.563	264	124427	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	86594	16.392	ng	-0.01
7) Phenol-d6	6.510	99	98346	15.465	ng	-0.02
23) Nitrobenzene-d5	7.451	82	50798	9.788	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	21433	14.801	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	99790	10.263	ng	-0.02
79) Terphenyl-d14	13.010	244	103135	9.732	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.451	82	47551	5.480	ng	# 63
49) Acenaphthylene	9.798	152	38169	3.022	ng	98
51) 2,6-Dinitrotoluene	9.934	165	18122	9.753	ng	# 27
58) Fluorene	10.486	166	49286	5.749	ng	# 99
71) Phenanthrene	11.451	178	439220	34.506	ng	99
72) Anthracene	11.498	178	89524	6.891	ng	98
75) Fluoranthene	12.639	202	519269	43.659	ng	98
78) Pyrene	12.869	202	521757	38.619	ng	98
81) Benzo(a)anthracene	14.057	228	191945	19.848	ng	93
83) Chrysene	14.092	228	154149	17.739	ng	95
87) Indeno(1,2,3-cd)pyrene	17.063	276	40904	4.379	ng	96
88) Benzo(b)fluoranthene	15.121	252	184521	25.057	ng	# 94
89) Benzo(k)fluoranthene	15.121	252	184521	26.752	ng	# 94
90) Benzo(a)pyrene	15.492	252	108372	15.612	ng	# 95
92) Benzo(g,h,i)perylene	17.521	276	40381	5.329	ng	95

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

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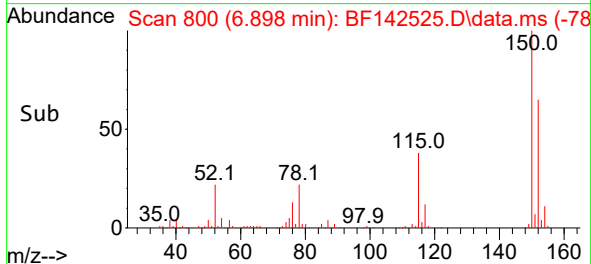
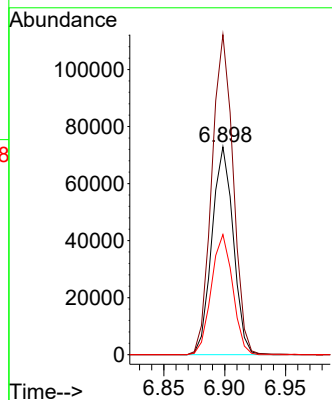
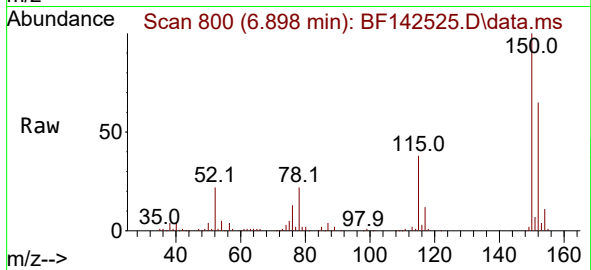




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

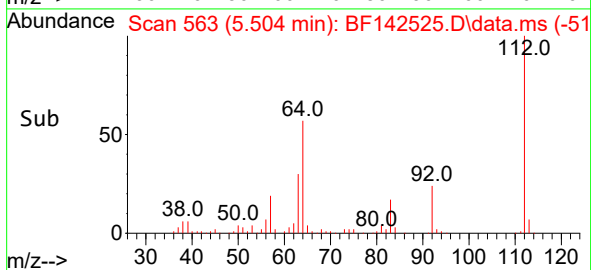
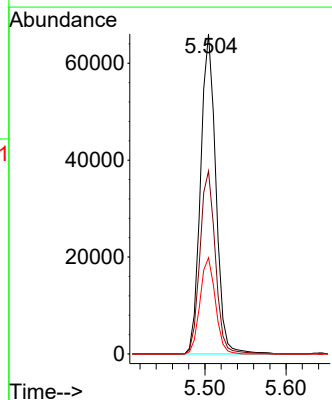
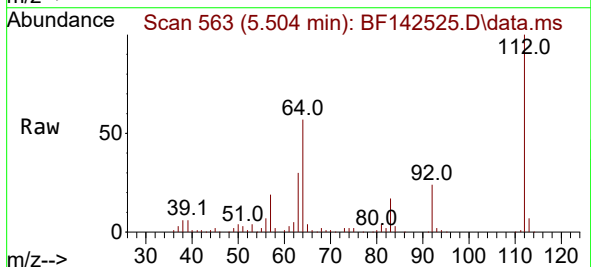
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

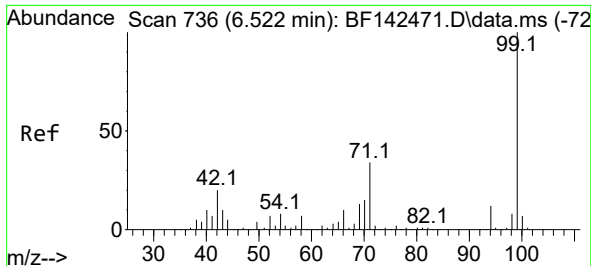
Tgt Ion:152 Resp: 89003
Ion Ratio Lower Upper
152 100
150 153.9 128.2 192.4
115 57.8 48.3 72.5



#5
2-Fluorophenol
Concen: 16.392 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

Tgt Ion:112 Resp: 86594
Ion Ratio Lower Upper
112 100
64 57.1 47.5 71.3
63 30.1 24.9 37.3

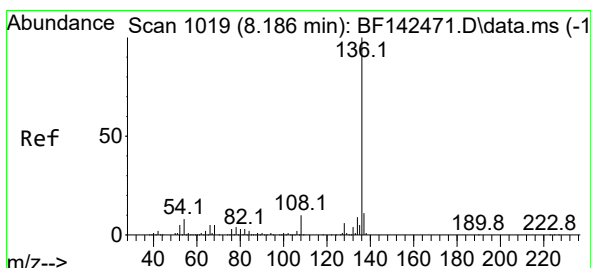
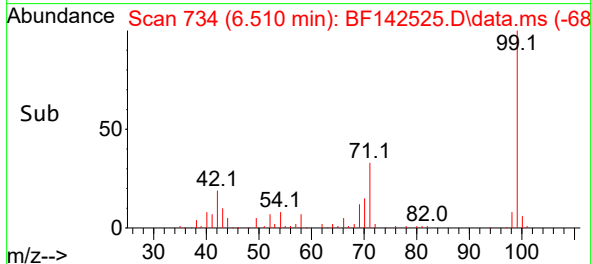
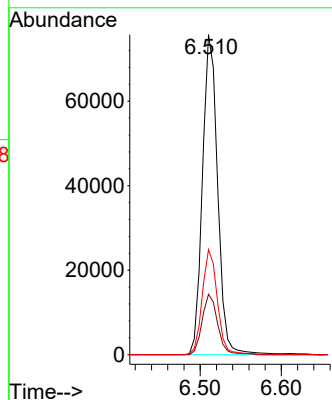
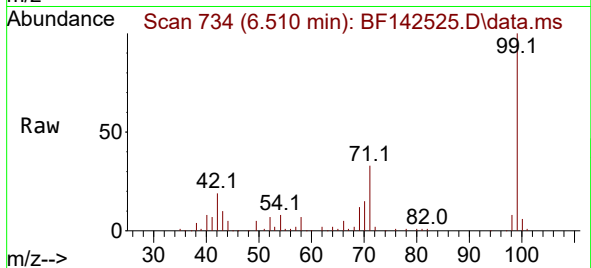




#7
Phenol-d6
Concen: 15.465 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

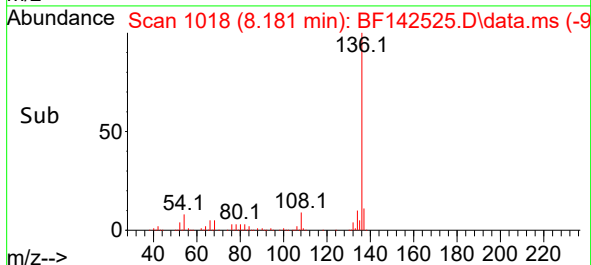
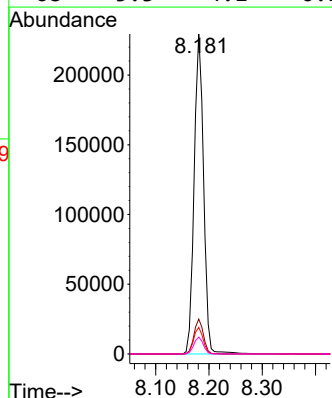
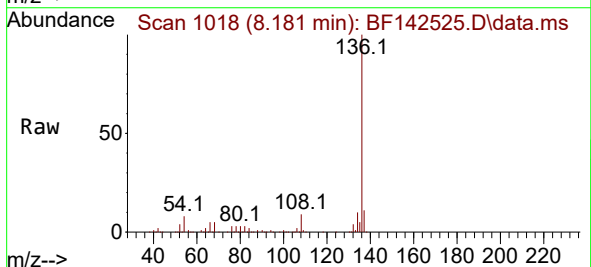
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

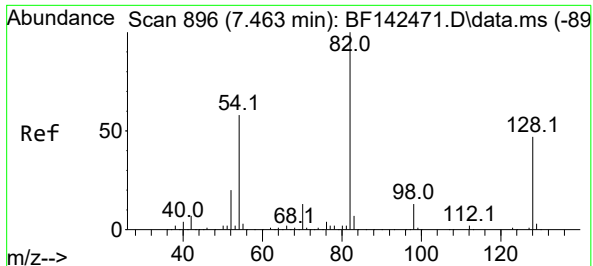
Tgt Ion: 99 Resp: 98346
Ion Ratio Lower Upper
99 100
42 18.9 16.2 24.2
71 32.8 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

Tgt Ion: 136 Resp: 282990
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 6.6 10.0
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 9.788 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.023 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

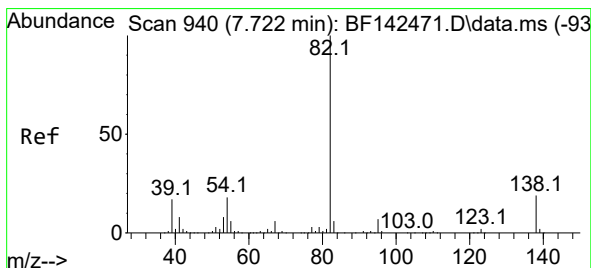
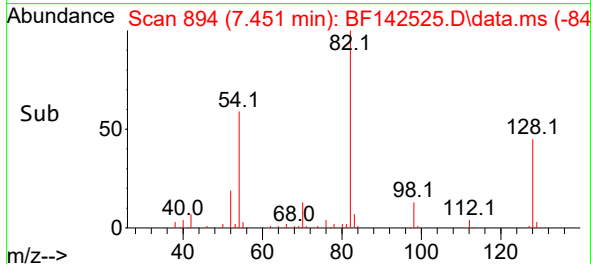
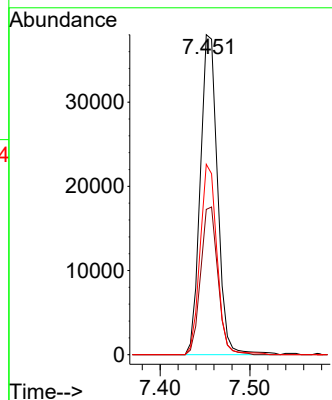
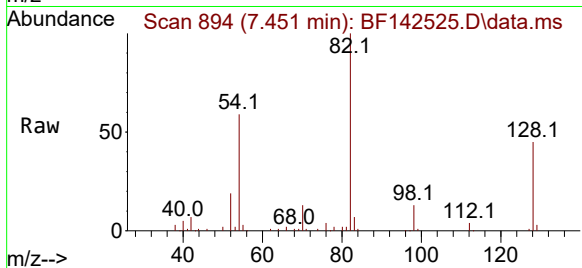
Tgt Ion: 82 Resp: 50798

Ion Ratio Lower Upper

82 100

128 45.4 37.4 56.2

54 59.5 46.6 70.0



#25

Isophorone

Concen: 5.480 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.282 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

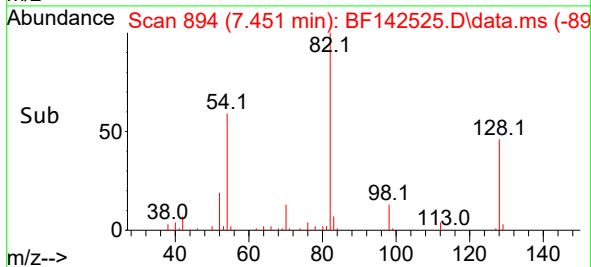
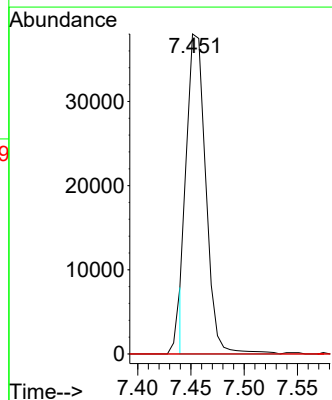
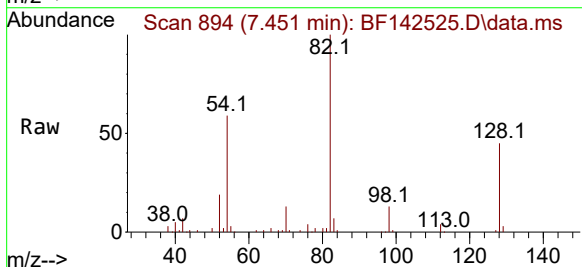
Tgt Ion: 82 Resp: 47551

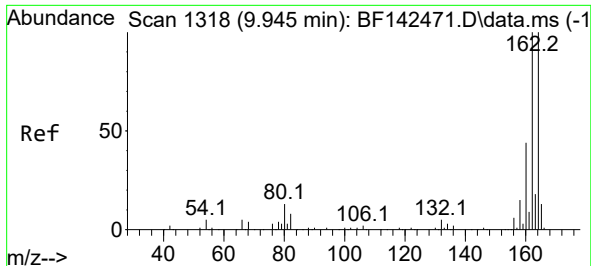
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 15.5 23.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

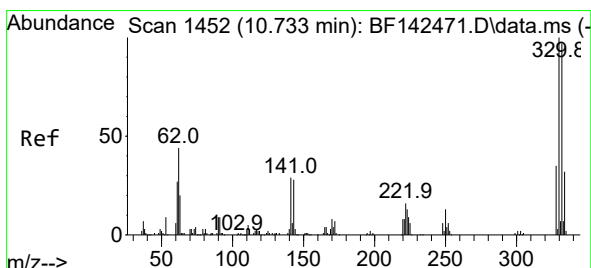
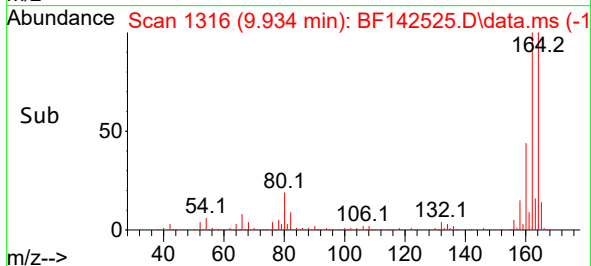
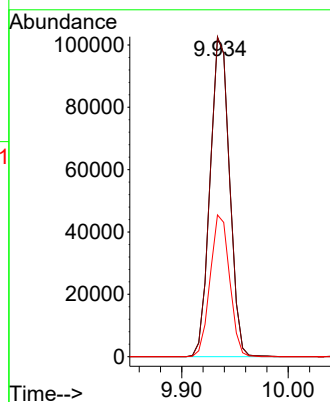
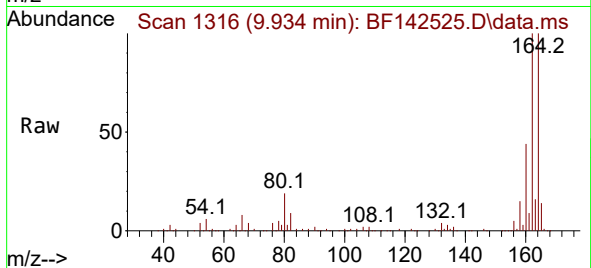
Tgt Ion:164 Resp: 130474

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.4

160 44.4 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 14.801 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.017 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

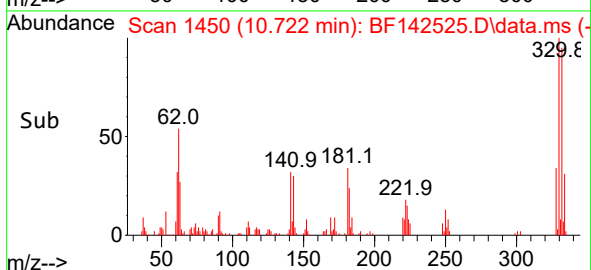
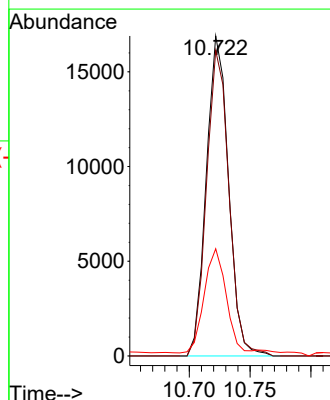
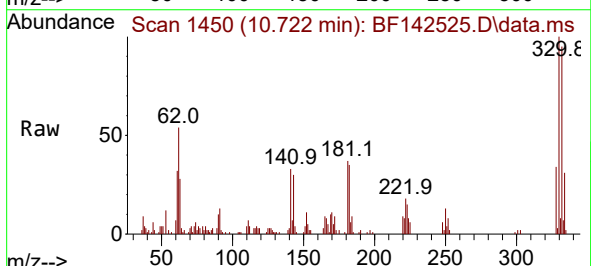
Tgt Ion:330 Resp: 21433

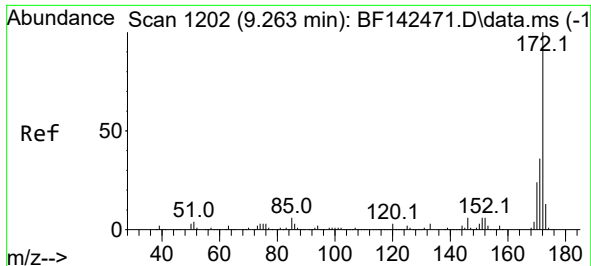
Ion Ratio Lower Upper

330 100

332 96.0 77.6 116.4

141 32.0 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 10.263 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

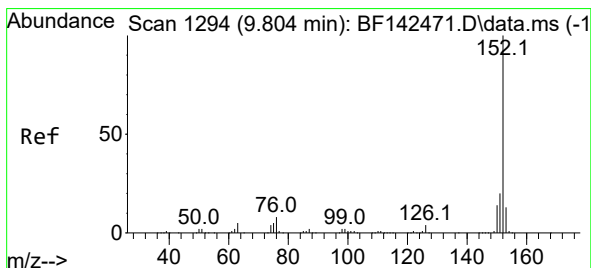
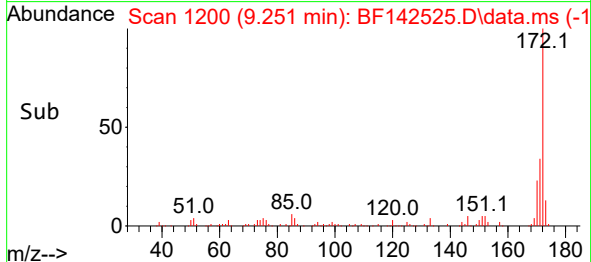
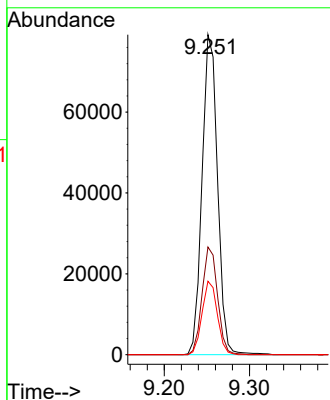
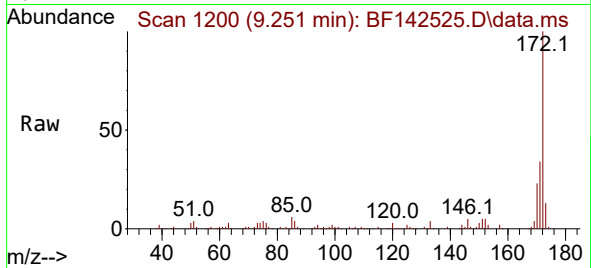
Tgt Ion:172 Resp: 99790

Ion Ratio Lower Upper

172 100

171 33.7 28.6 42.8

170 22.9 18.9 28.3



#49

Acenaphthylene

Concen: 3.022 ng

RT: 9.798 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

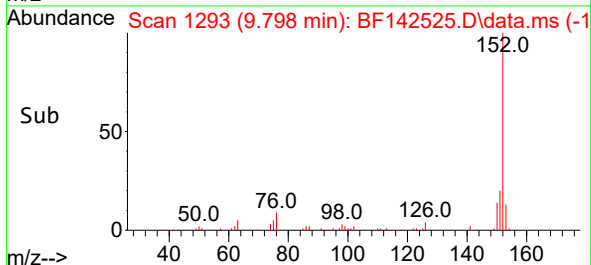
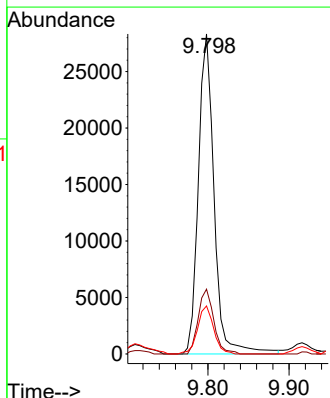
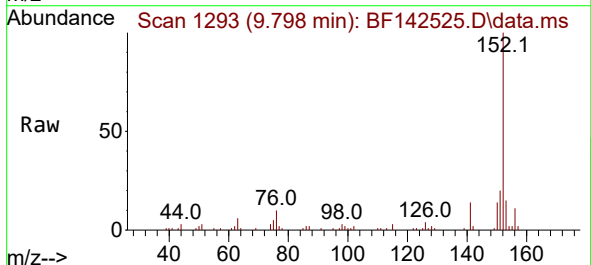
Tgt Ion:152 Resp: 38169

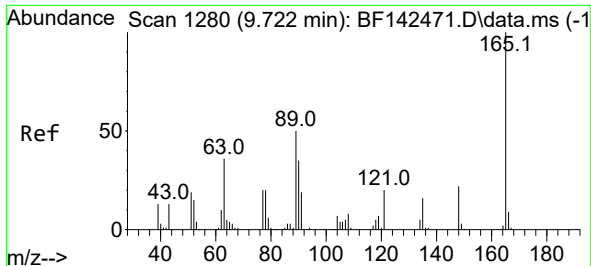
Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.8

153 15.0 10.6 15.8

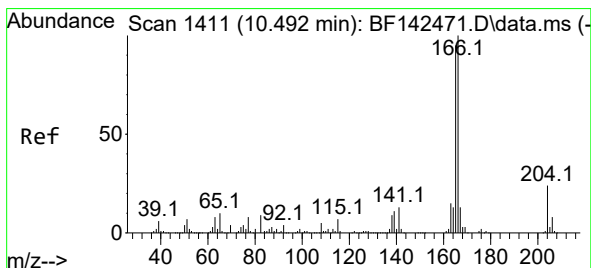
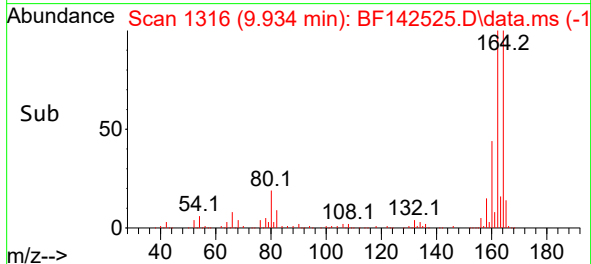
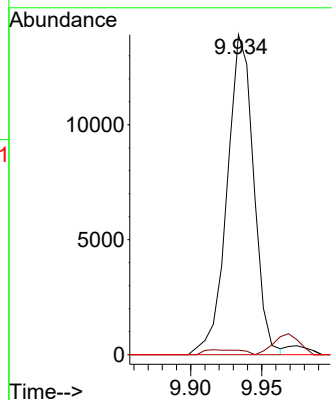
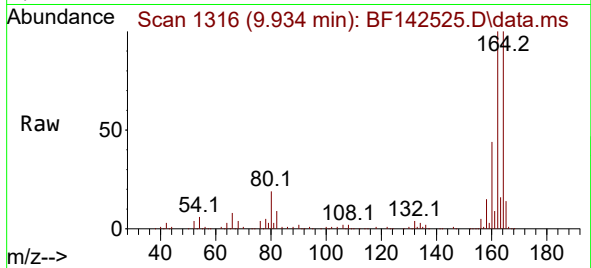




#51
2,6-Dinitrotoluene
Concen: 9.753 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

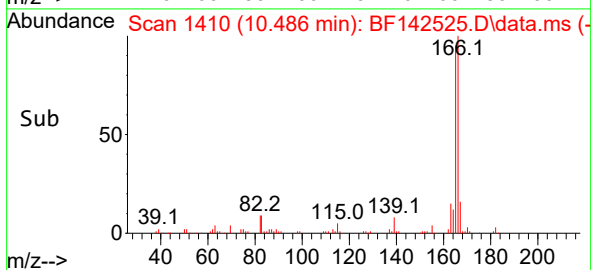
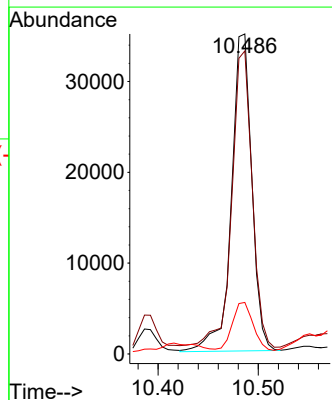
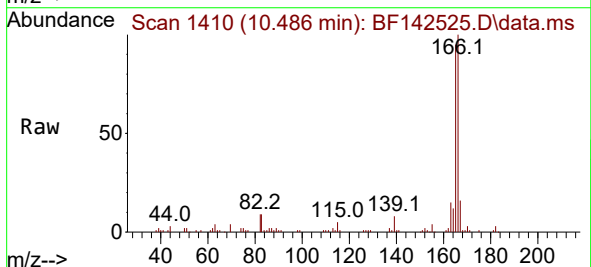
Instrument :
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WCS-TP1

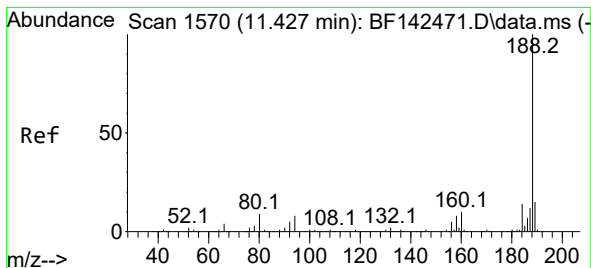
Tgt Ion:165 Resp: 18122
Ion Ratio Lower Upper
165 100
63 1.4 42.9 64.3#
89 0.0 40.2 60.4#



#58
Fluorene
Concen: 5.749 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

Tgt Ion:166 Resp: 49286
Ion Ratio Lower Upper
166 100
165 94.7 75.8 113.8
167 16.1 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

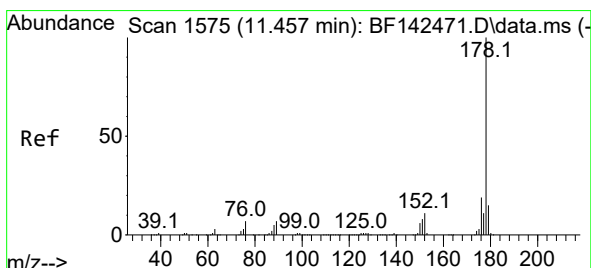
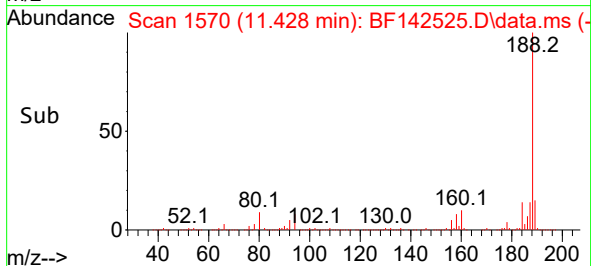
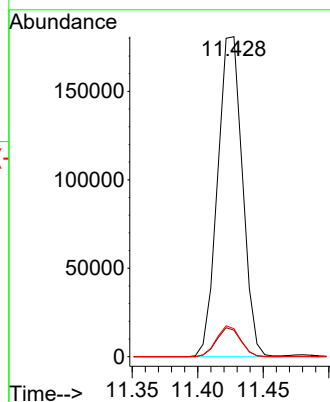
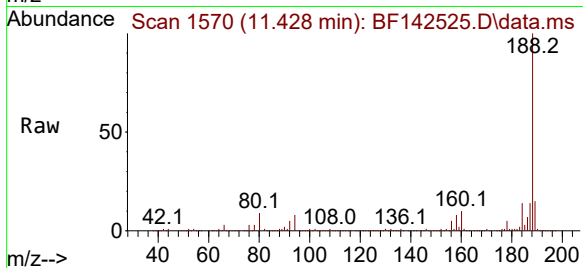
Tgt Ion:188 Resp: 238177

Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

80 8.8 7.4 11.0



#71

Phenanthrene

Concen: 34.506 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

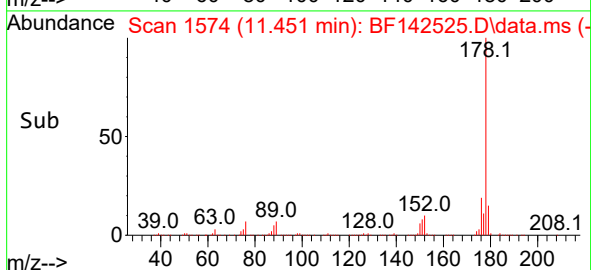
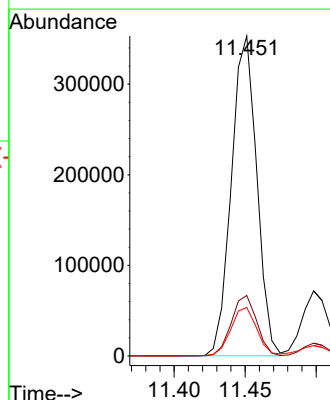
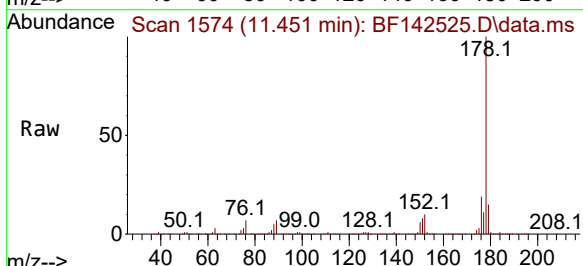
Tgt Ion:178 Resp: 439220

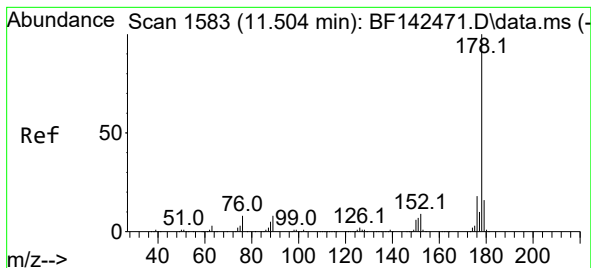
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.2 12.3 18.5





#72

Anthracene

Concen: 6.891 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

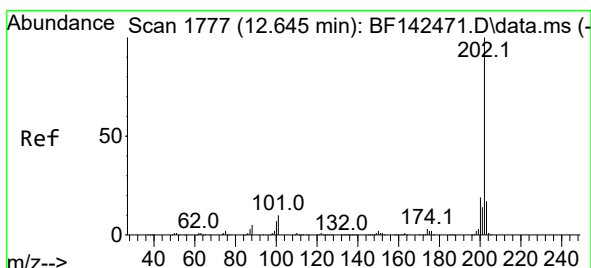
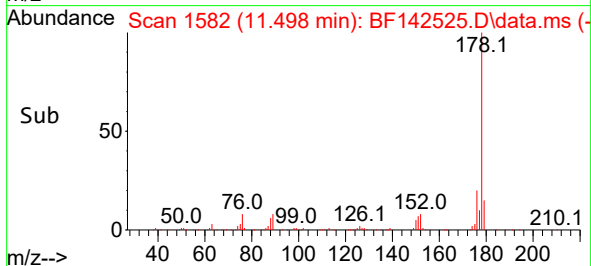
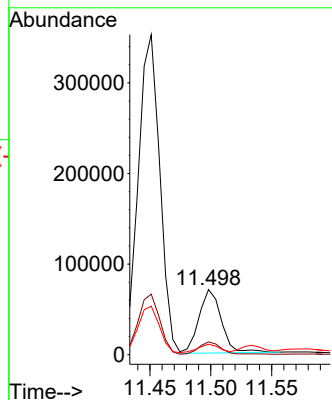
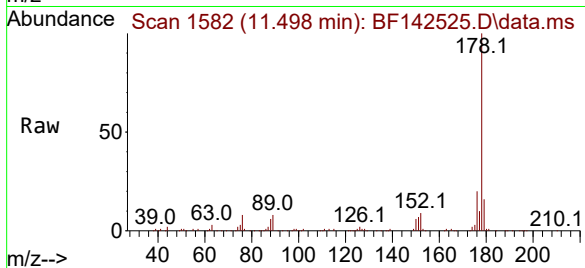
Tgt Ion:178 Resp: 89524

Ion Ratio Lower Upper

178 100

176 19.7 14.6 21.8

179 16.0 12.4 18.6



#75

Fluoranthene

Concen: 43.659 ng

RT: 12.639 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

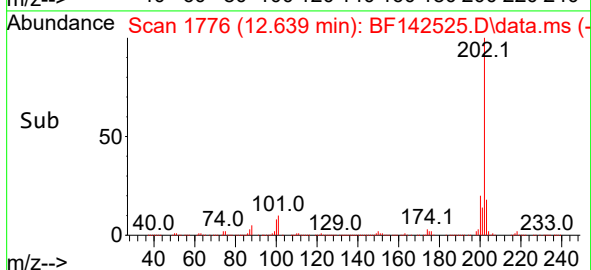
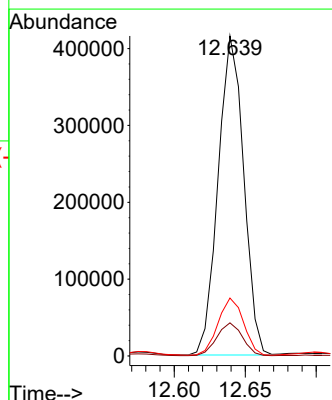
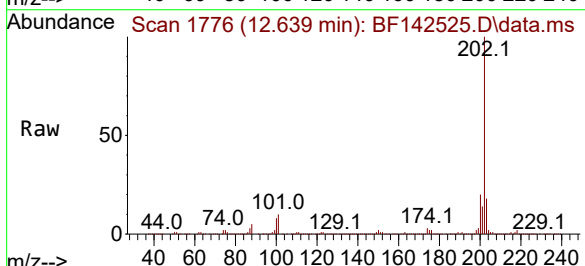
Tgt Ion:202 Resp: 519269

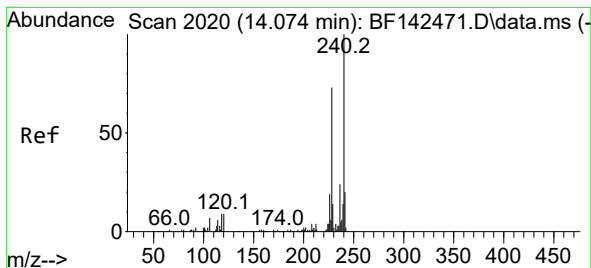
Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.6

203 18.1 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

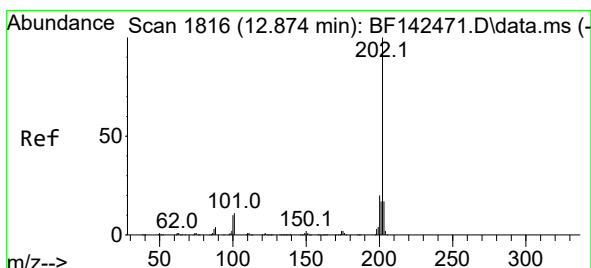
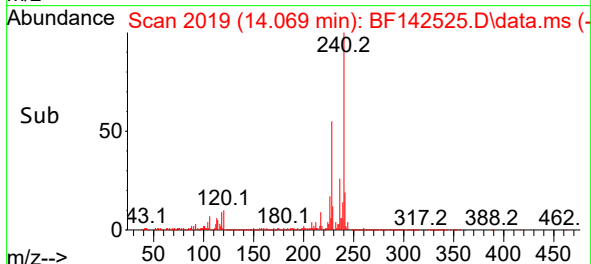
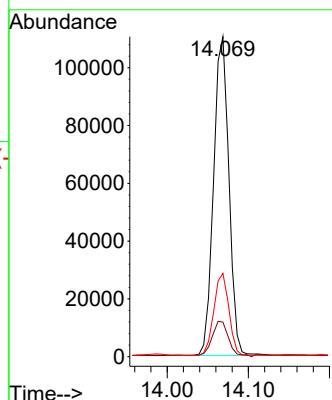
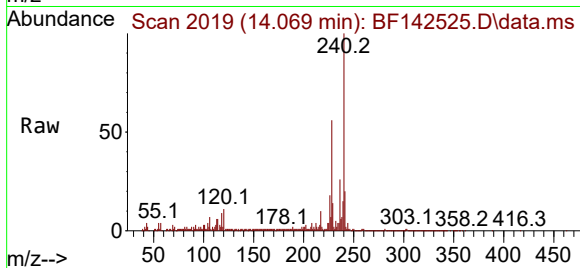
Tgt Ion:240 Resp: 144827

Ion Ratio Lower Upper

240 100

120 10.8 7.5 11.3

236 26.1 19.6 29.4



#78

Pyrene

Concen: 38.619 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

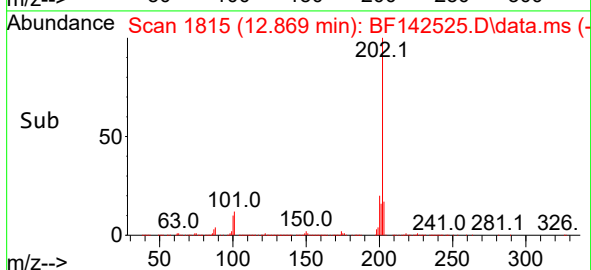
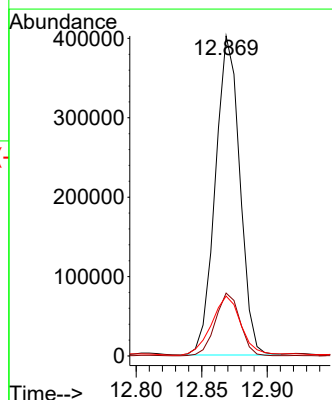
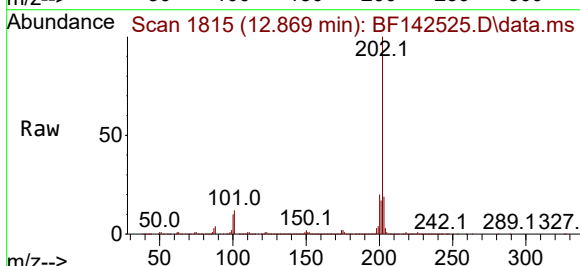
Tgt Ion:202 Resp: 521757

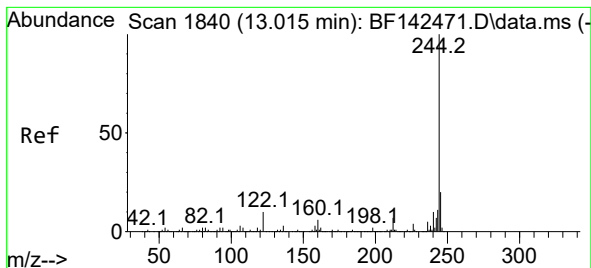
Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

203 18.7 13.9 20.9





#79

Terphenyl-d14

Concen: 9.732 ng

RT: 13.010 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

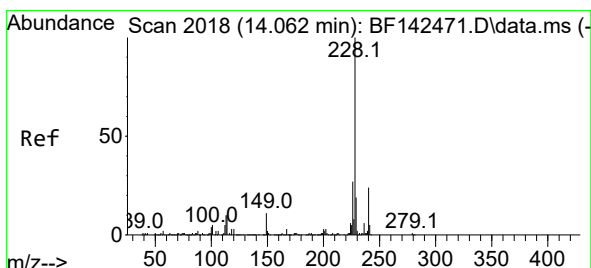
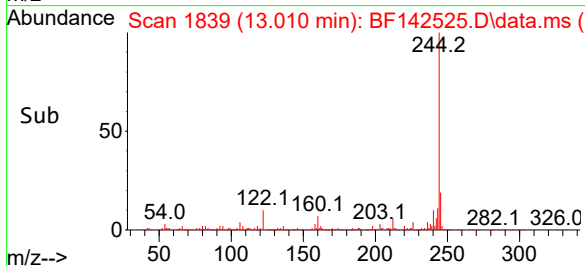
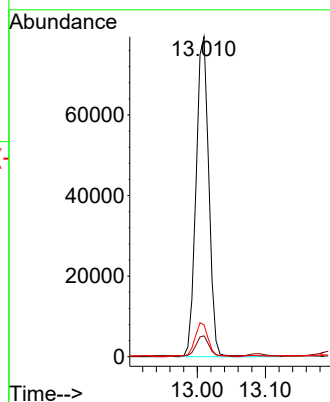
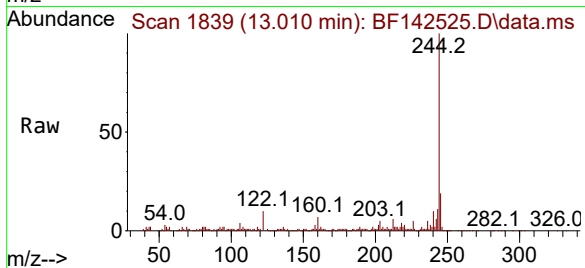
Tgt Ion:244 Resp: 103135

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 10.0 8.2 12.2



#81

Benzo(a)anthracene

Concen: 19.848 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

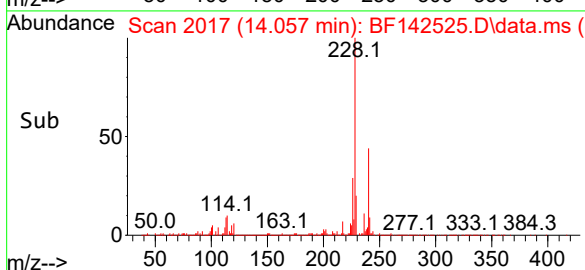
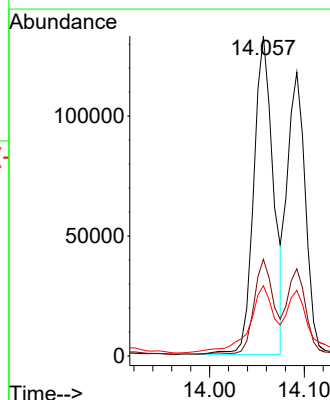
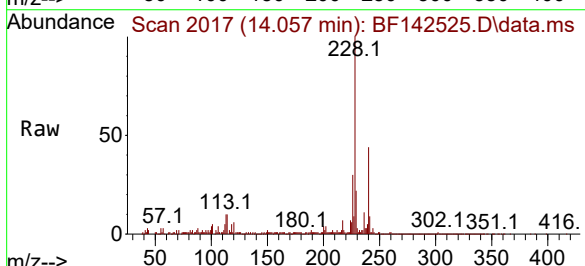
Tgt Ion:228 Resp: 191945

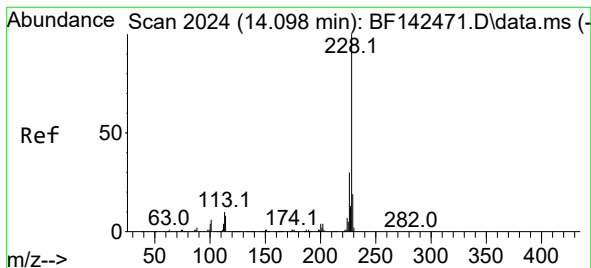
Ion Ratio Lower Upper

228 100

226 30.2 21.2 31.8

229 21.9 15.5 23.3





#83

Chrysene

Concen: 17.739 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

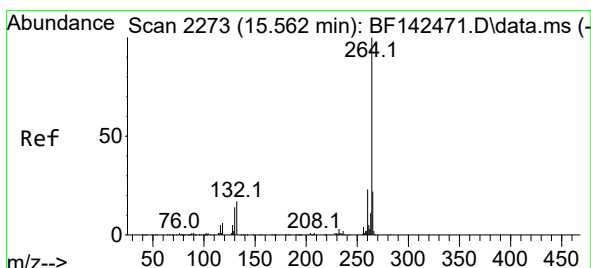
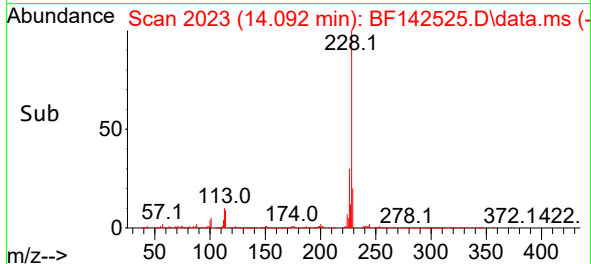
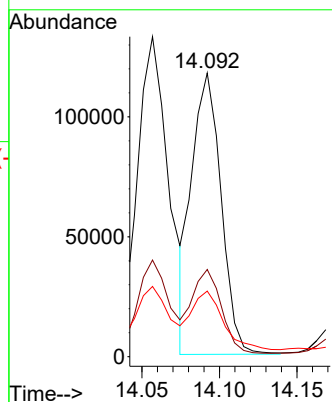
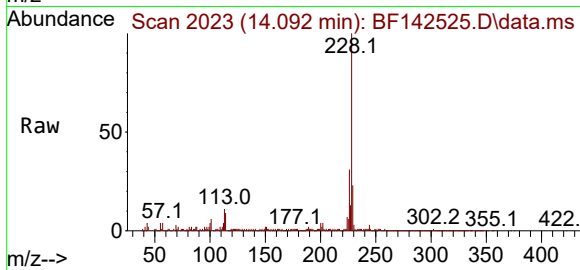
Tgt Ion:228 Resp: 154149

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.6

229 23.1 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

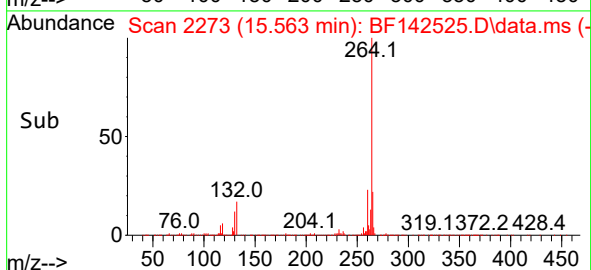
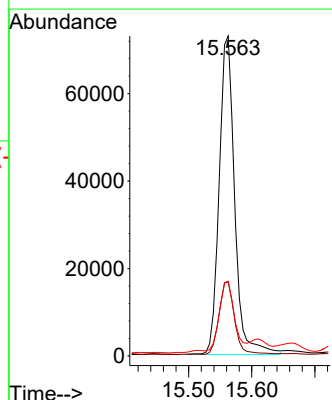
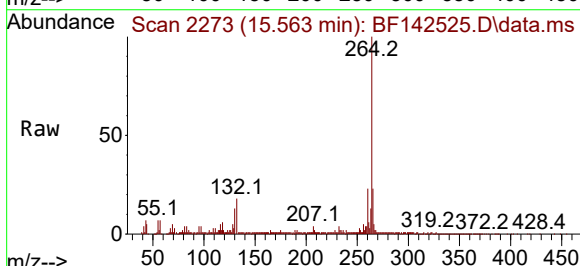
Tgt Ion:264 Resp: 124427

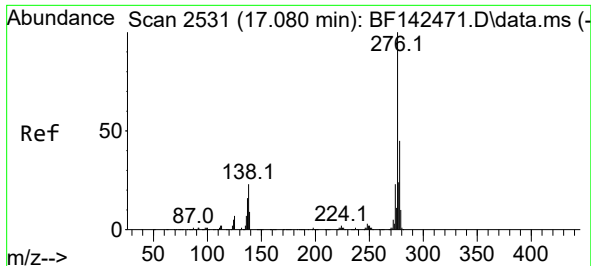
Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 23.4 17.7 26.5

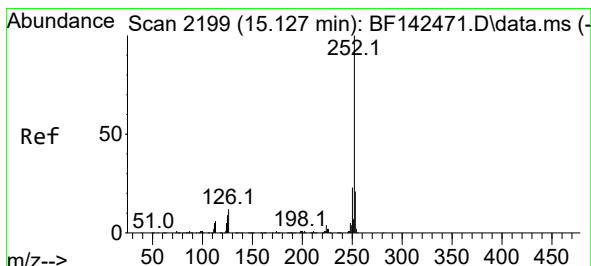
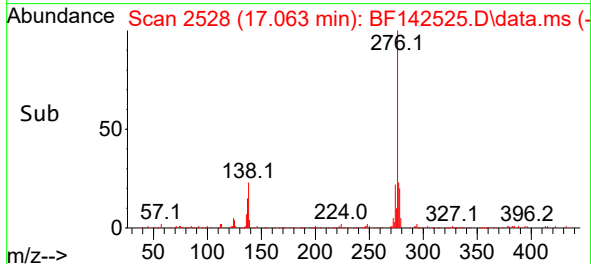
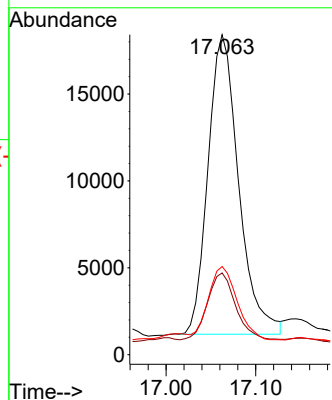
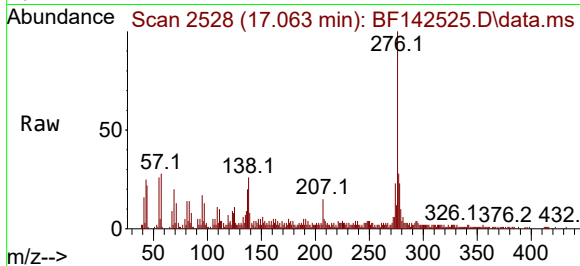




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.379 ng
RT: 17.063 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

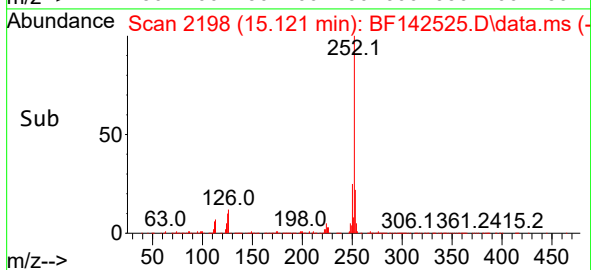
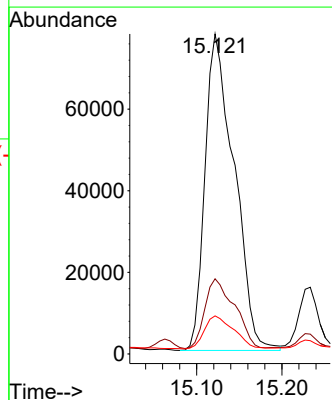
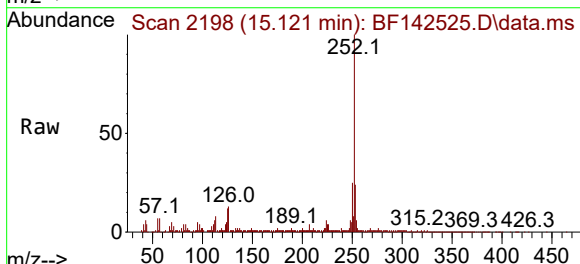
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

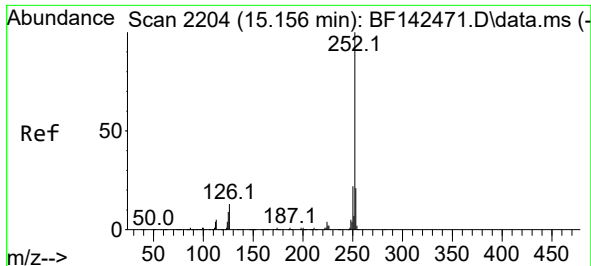
Tgt Ion:	276	Resp:	40904
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.9	29.9
277	26.1	20.2	30.2



#88
Benzo(b)fluoranthene
Concen: 25.057 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

Tgt Ion:	252	Resp:	184521
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.4
125	11.9	7.4	11.0

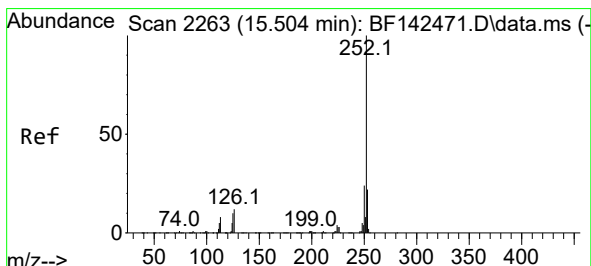
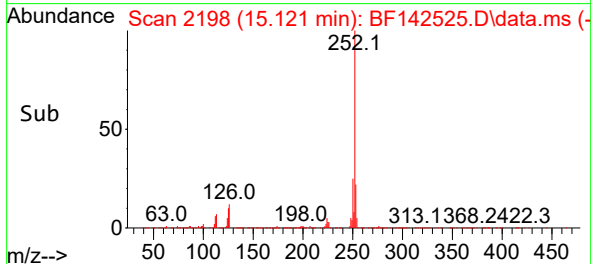
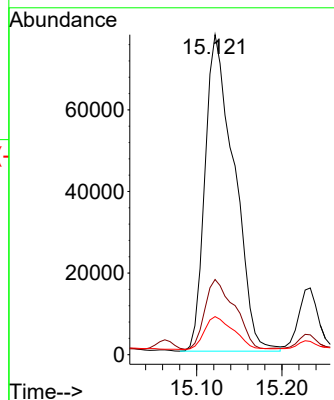
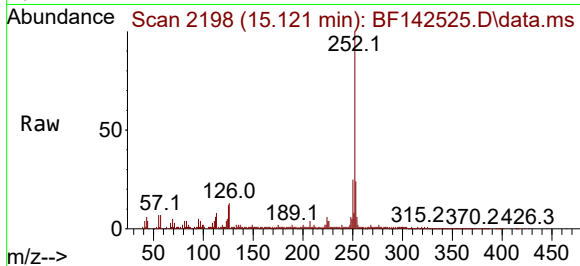




#89
Benzo(k)fluoranthene
Concen: 26.752 ng
RT: 15.121 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

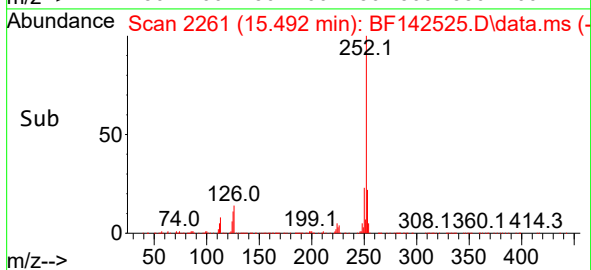
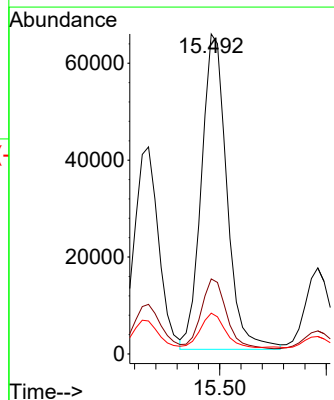
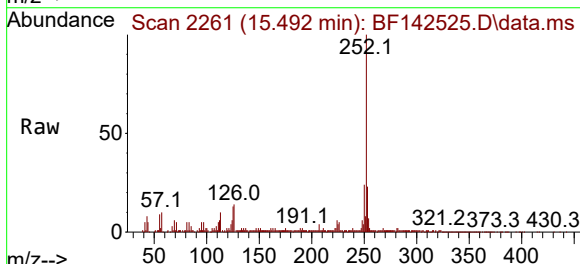
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

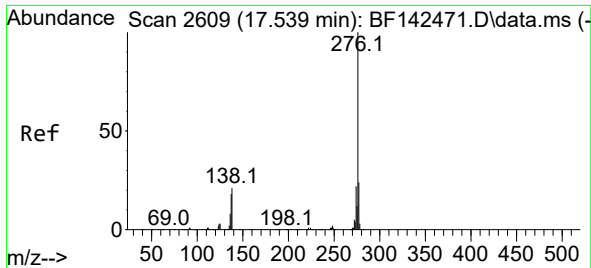
Tgt Ion:252 Resp: 184521
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 11.9 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 15.612 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.017 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

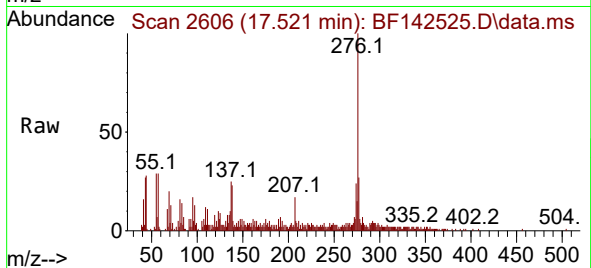
Tgt Ion:252 Resp: 108372
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 12.7 7.9 11.9#





#92
 Benzo(g,h,i)perylene
 Concen: 5.329 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.035 min
 Lab File: BF142525.D
 Acq: 22 May 2025 22:20

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1



Tgt Ion:	276	Resp:	40381
Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.2	28.8
138	23.0	16.8	25.2

