

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

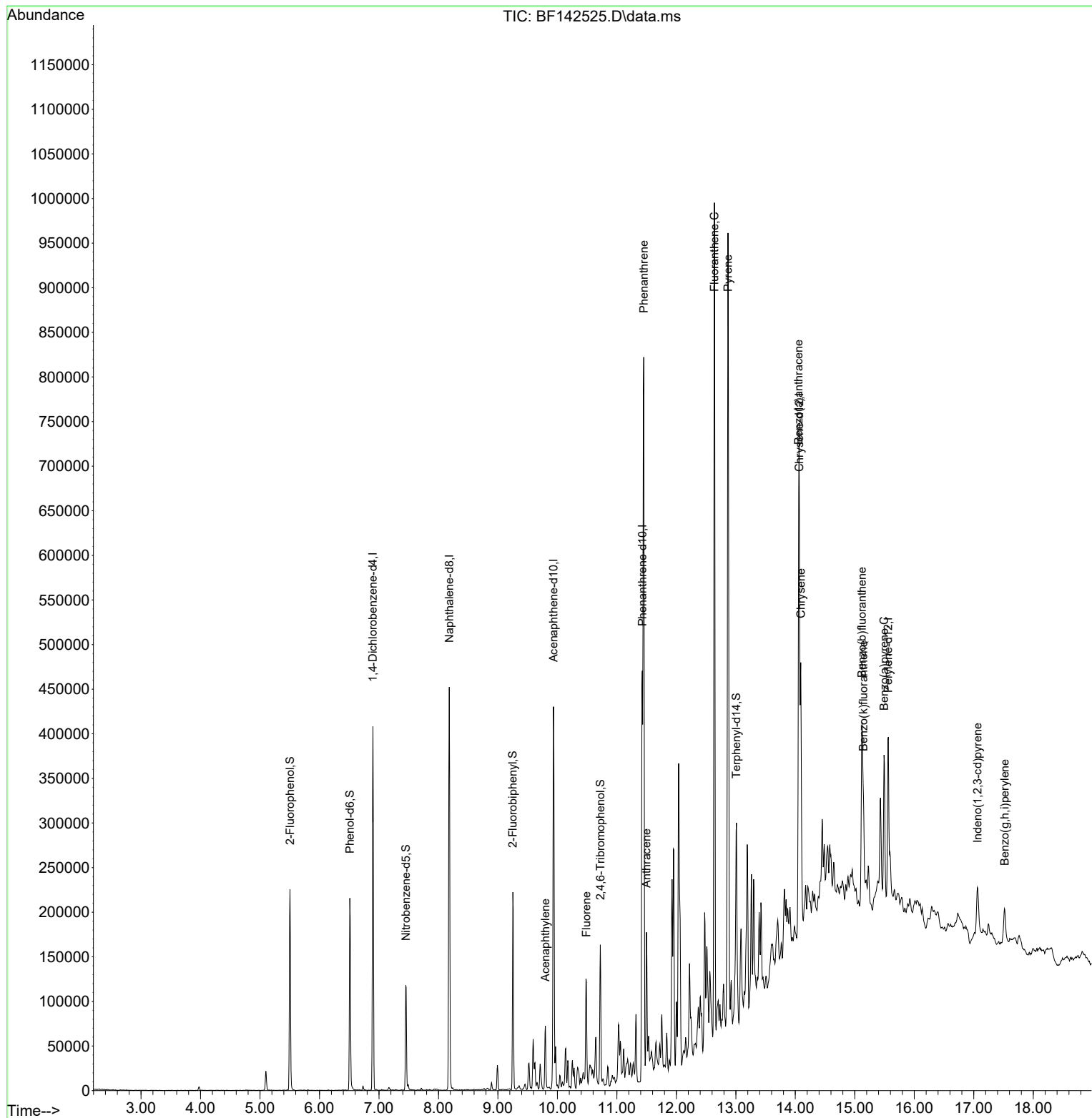
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	89003	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	282990	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	130474	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	238177	20.000	ng	0.00
76) Chrysene-d12	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						
49) Acenaphthylene	9.798	152	38169	3.022	ng	98
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	140661m	19.101	ng	
89) Benzo(k)fluoranthene	15.145	252	30412m	4.409	ng	
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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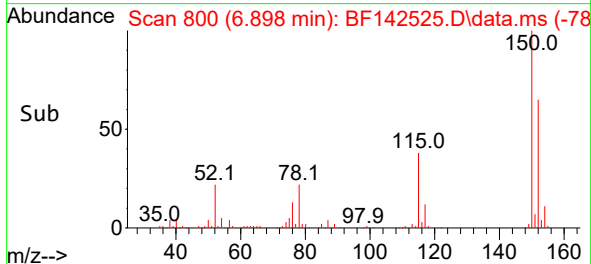
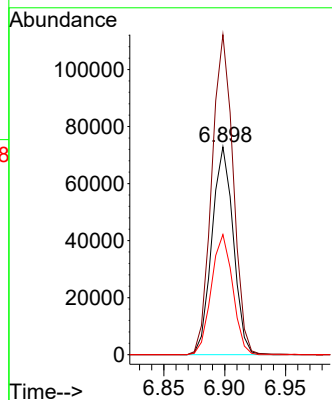
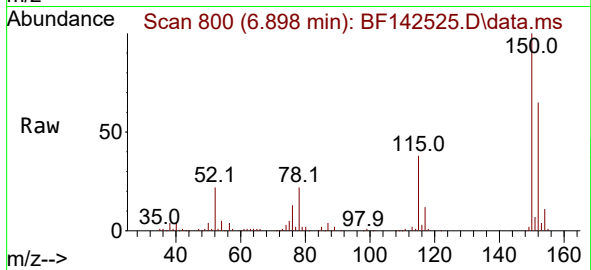




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142525.D
 Acq: 22 May 2025 22:20

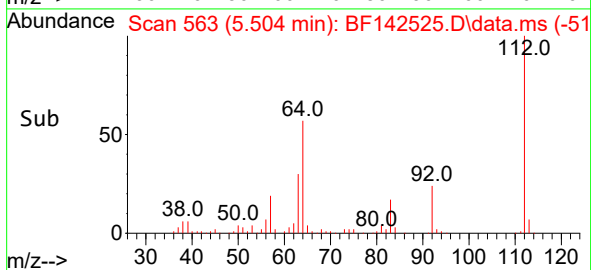
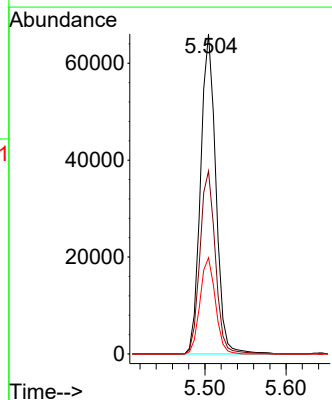
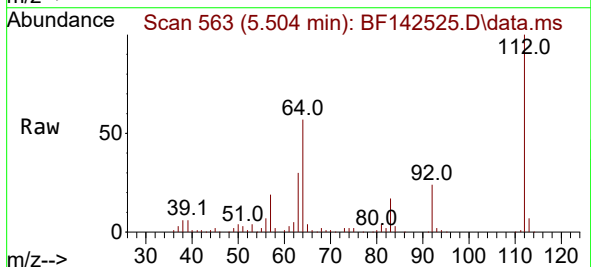
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1

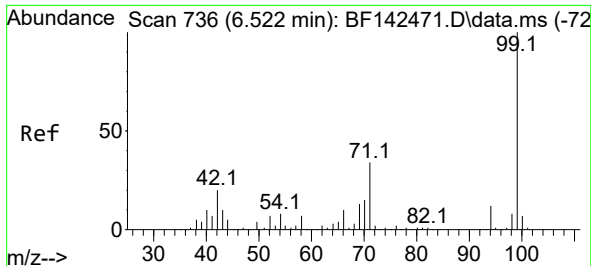
Tgt Ion:152 Resp: 89003
 Ion Ratio Lower Upper
 152 100
 150 153.9 128.2 192.4
 115 57.8 48.3 72.5



#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

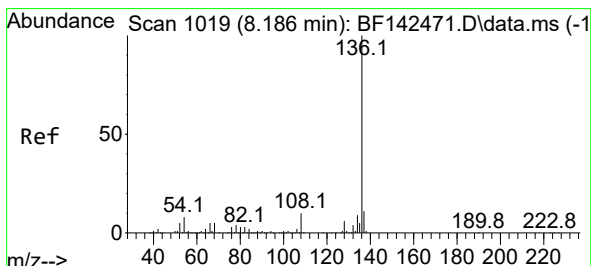
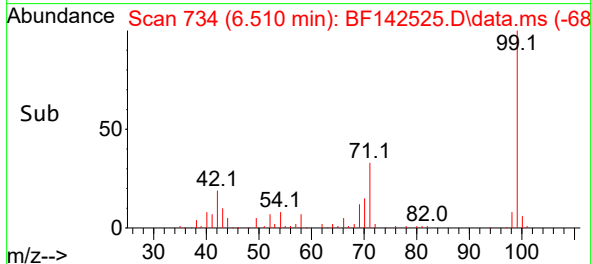
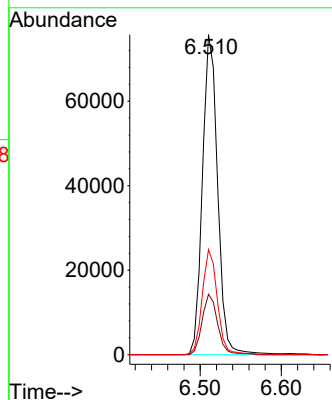
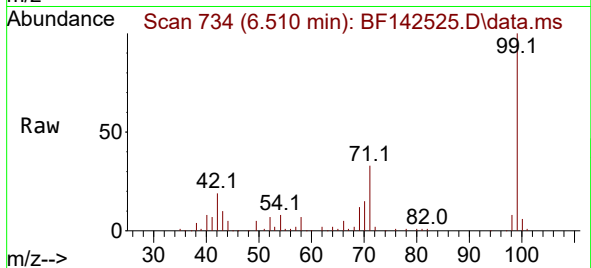




#7
Phenol-d6
Concen: 15.465 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

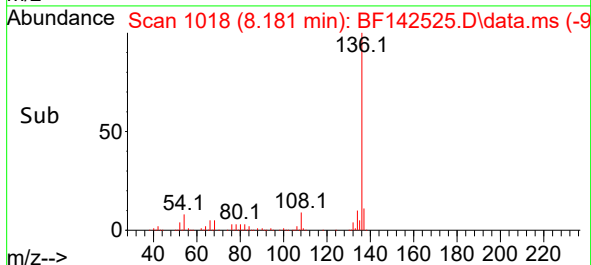
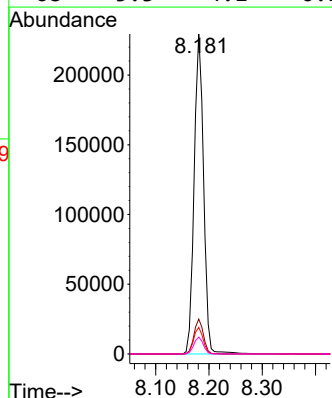
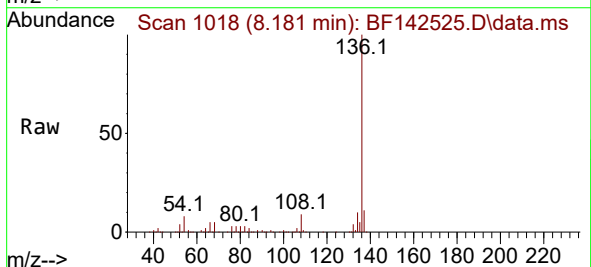
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

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

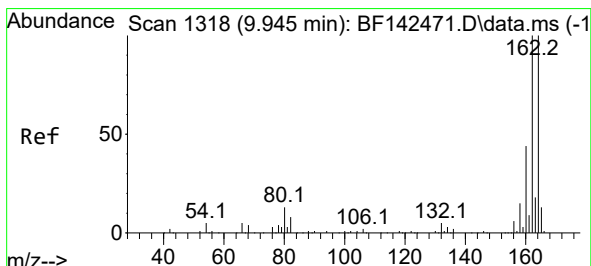
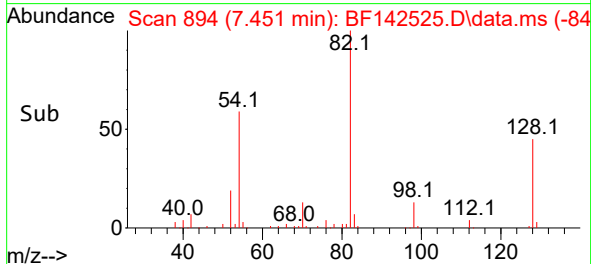
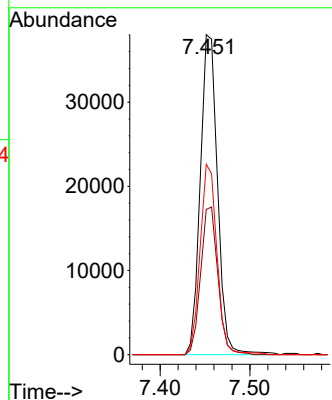
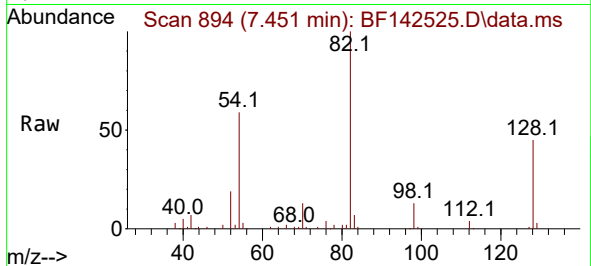




#23
Nitrobenzene-d5
Concen: 9.788 ng
RT: 7.451 min Scan# 896
Delta R.T. -0.023 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

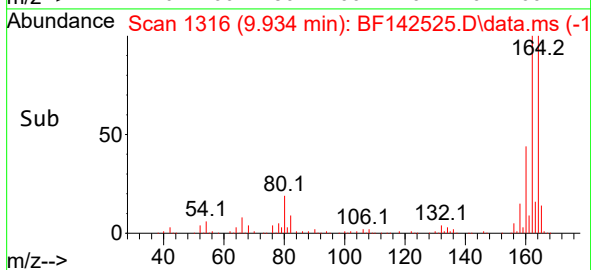
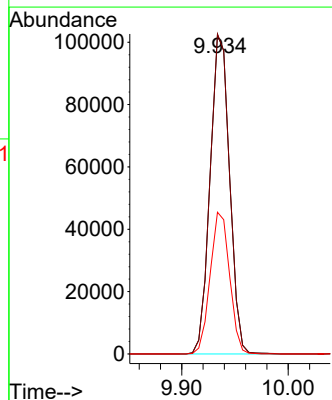
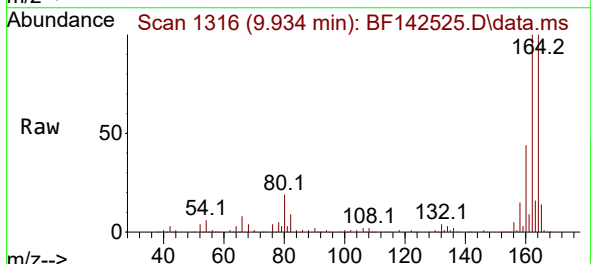
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

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



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

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

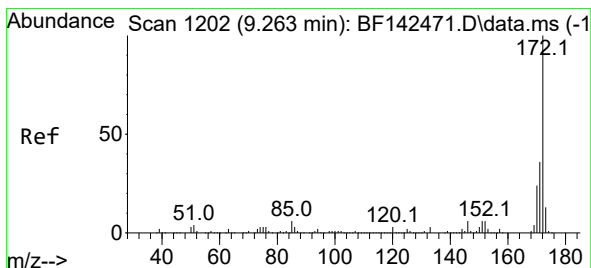
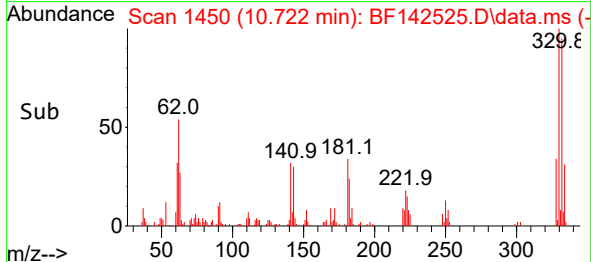
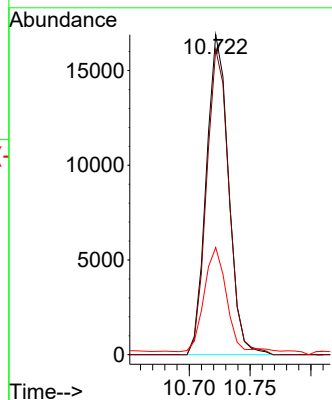
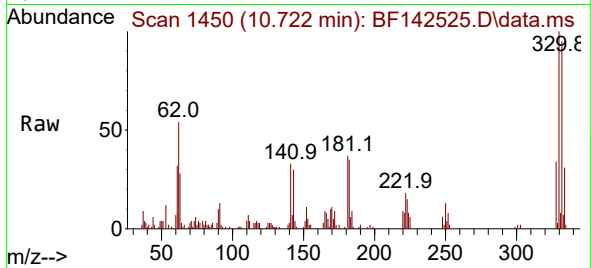




#42
2,4,6-Tribromophenol
Concen: 14.801 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

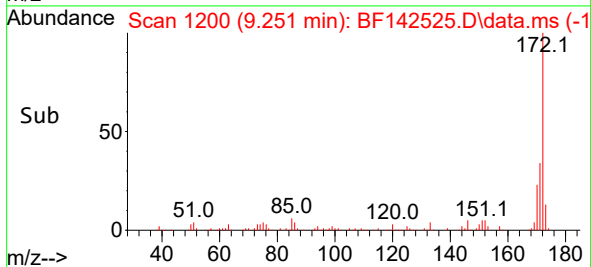
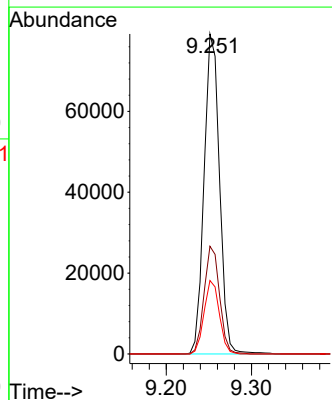
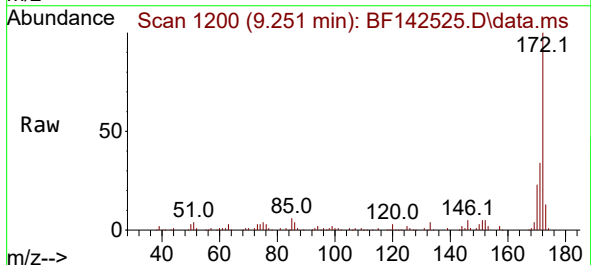
Instrument :
BNA_F
ClientSampleId :
WCS-TP1

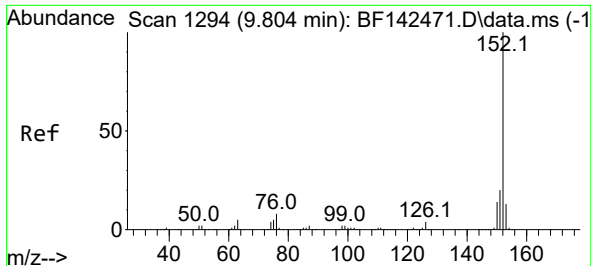
Tgt Ion:330 Resp: 21433
Ion Ratio Lower Upper
330 100
332 96.0 77.6 116.4
141 32.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 10.263 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

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

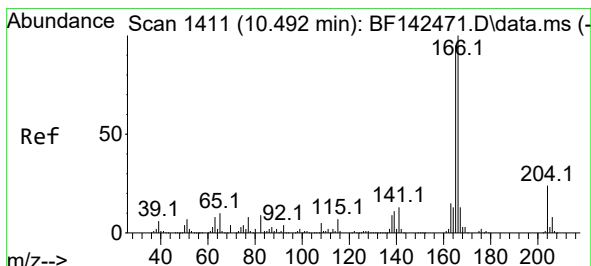
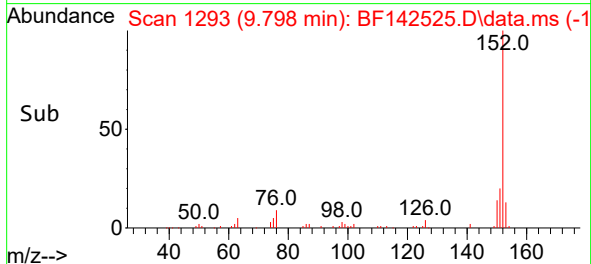
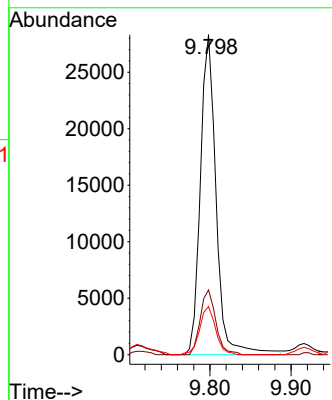
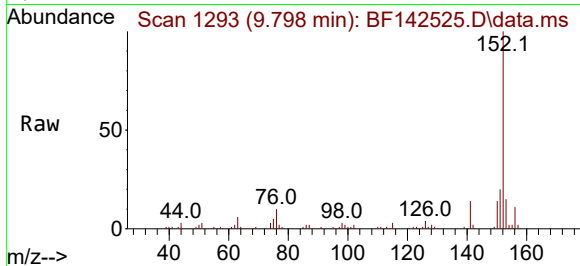




#49
Acenaphthylene
Concen: 3.022 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

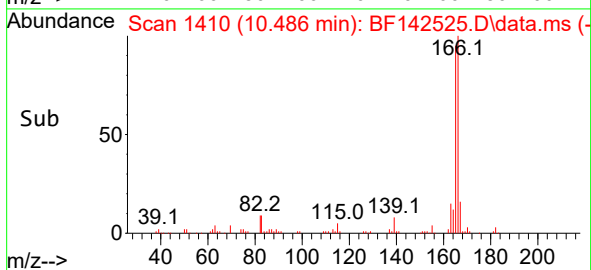
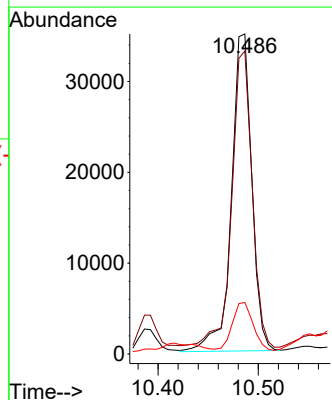
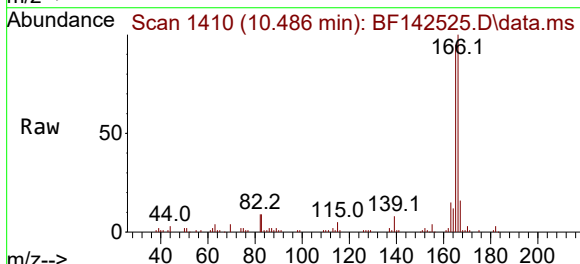
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WCS-TP1

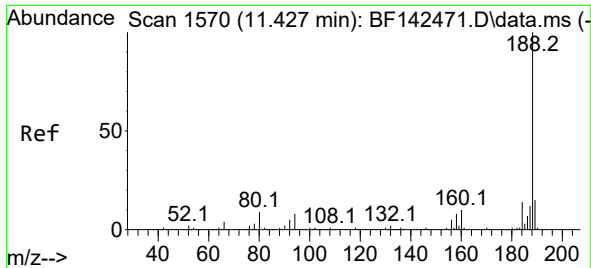
Tgt Ion:152 Resp: 38169
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 15.0 10.6 15.8



#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#

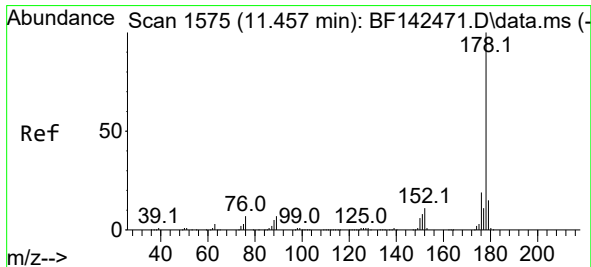
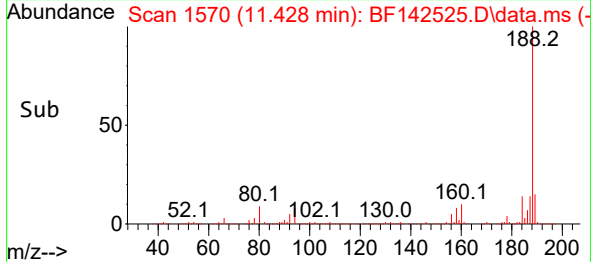
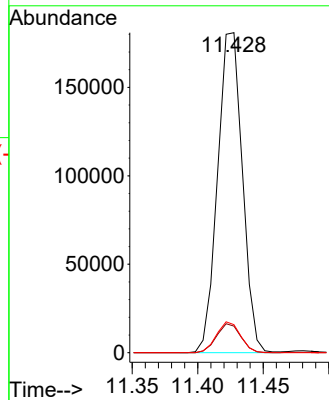
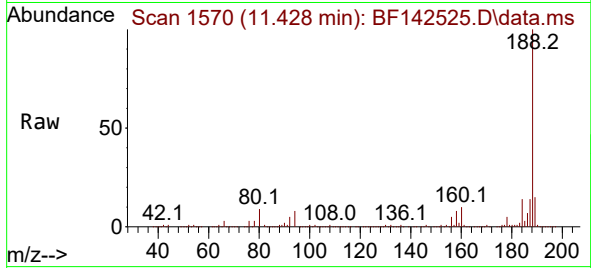




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142525.D
Acq: 22 May 2025 22:20

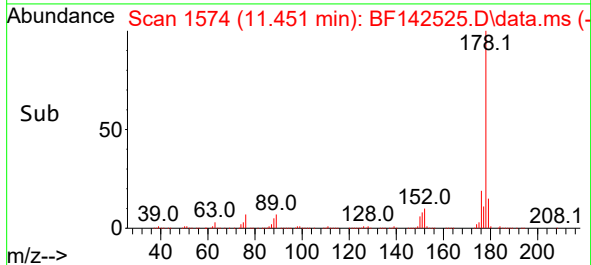
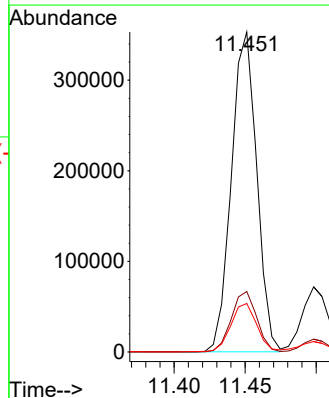
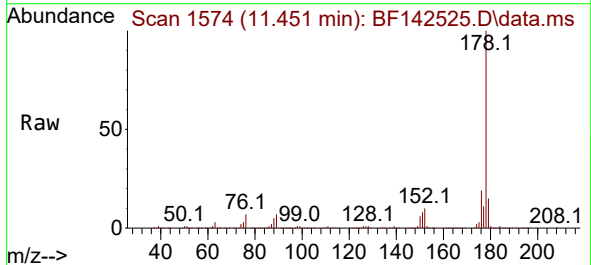
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WCS-TP1

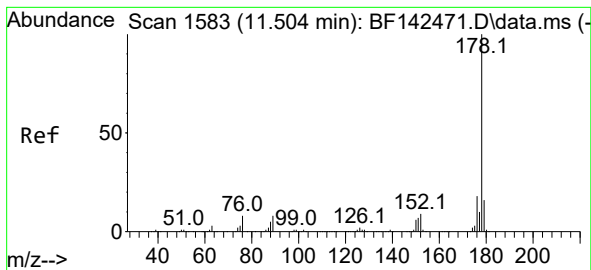
Tgt Ion:188 Resp: 238177
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 8.8 7.4 11.0



#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

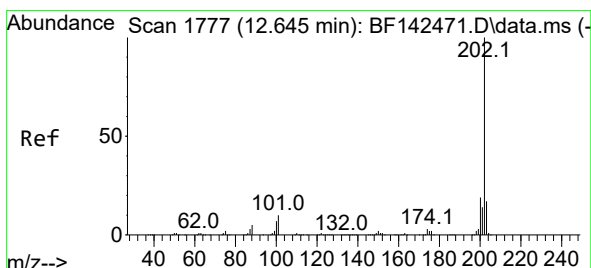
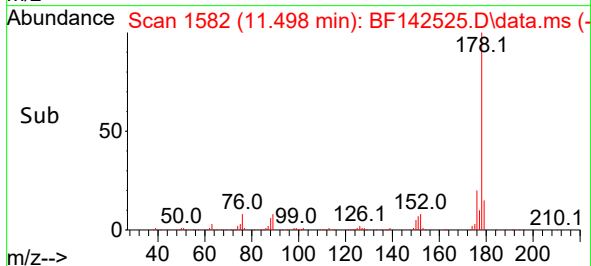
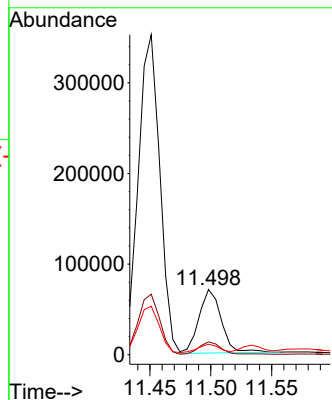
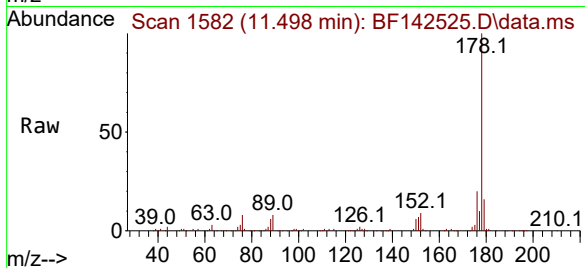
Tgt Ion:178 Resp: 89524

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

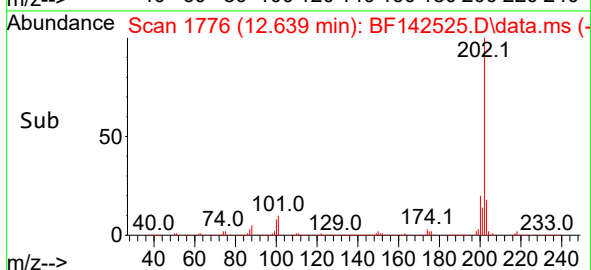
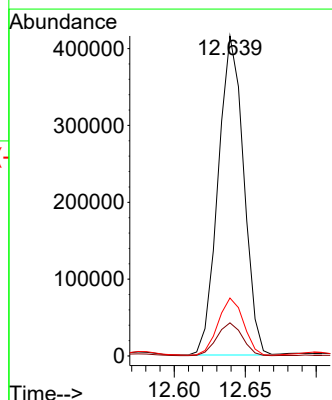
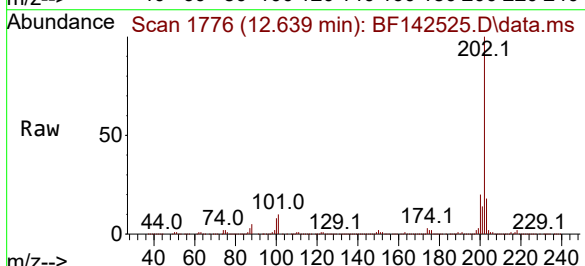
Tgt Ion:202 Resp: 519269

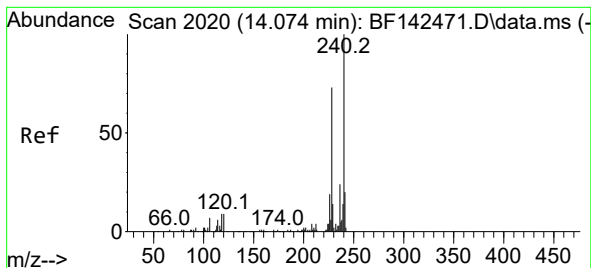
Ion Ratio Lower Upper

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

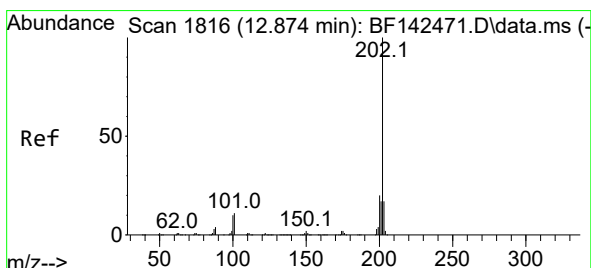
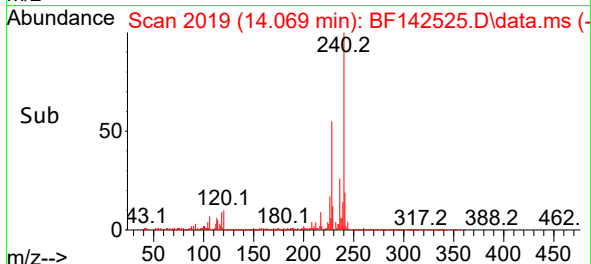
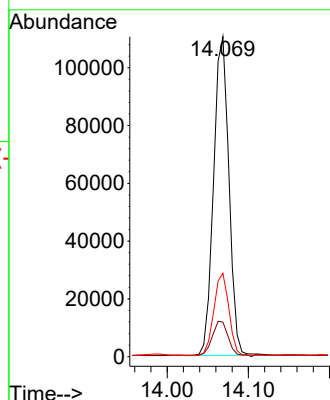
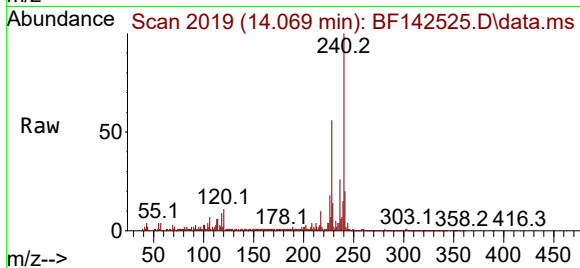
Tgt Ion:240 Resp: 144827

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

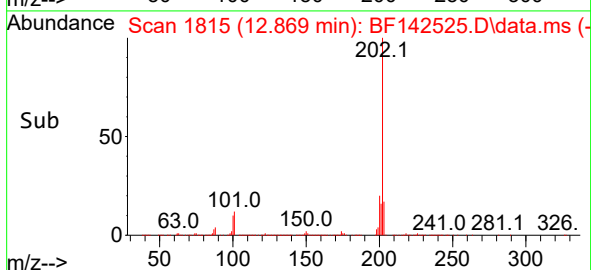
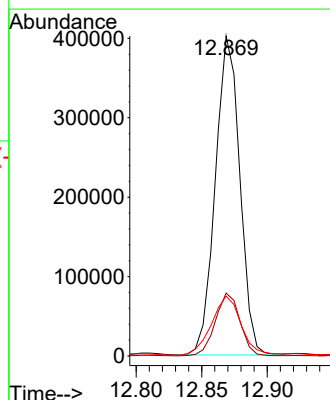
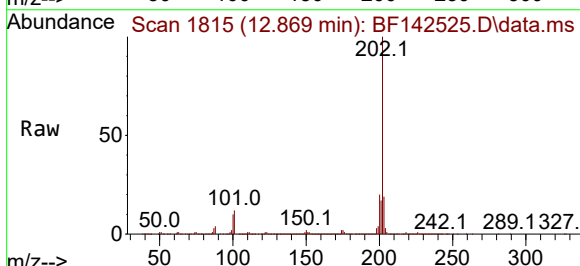
Tgt Ion:202 Resp: 521757

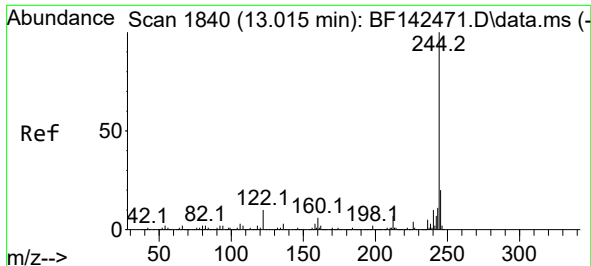
Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

203 18.7 13.9 20.9

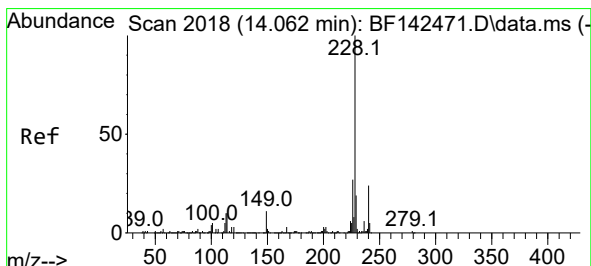
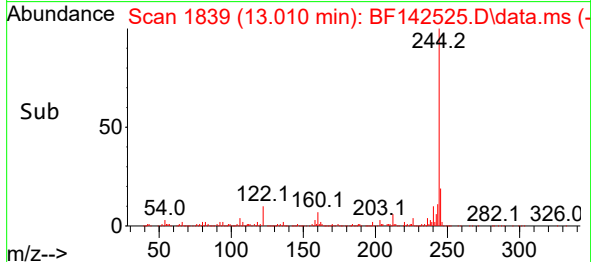
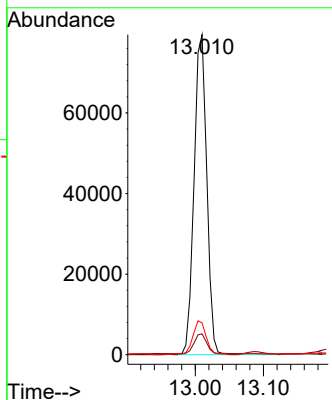
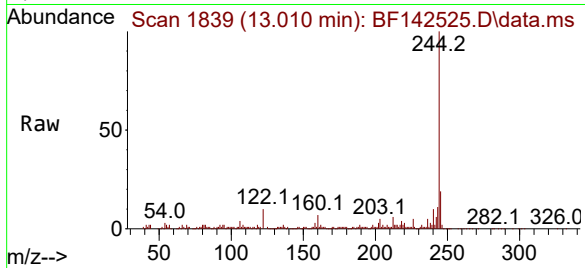




#79
 Terphenyl-d14
 Concen: 9.732 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142525.D
 Acq: 22 May 2025 22:20

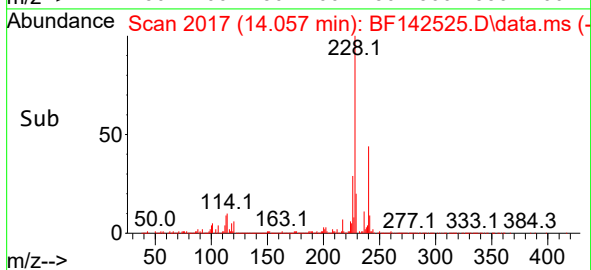
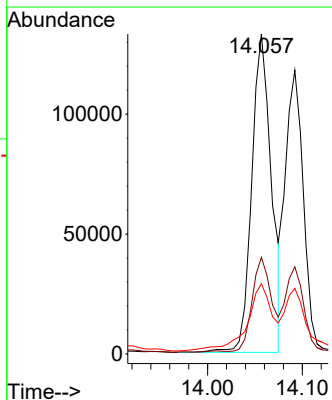
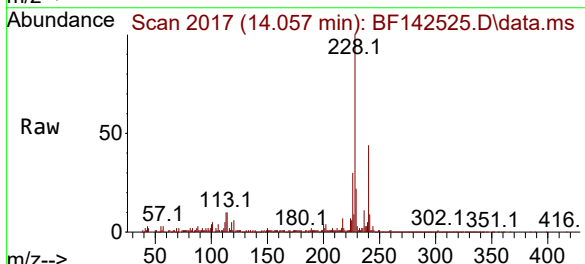
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TP1

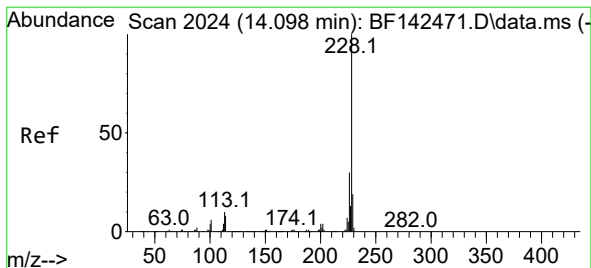
Tgt Ion:244 Resp: 103135
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.0 8.2 12.2



#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

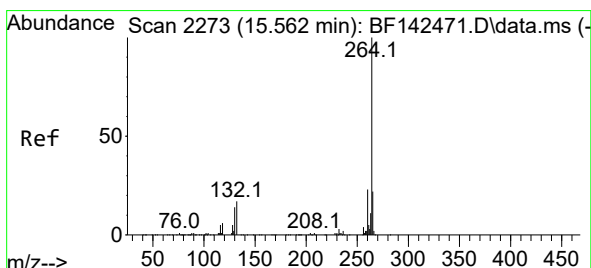
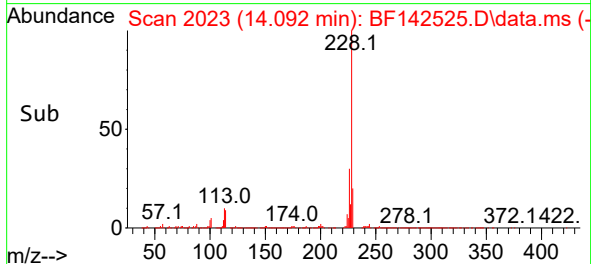
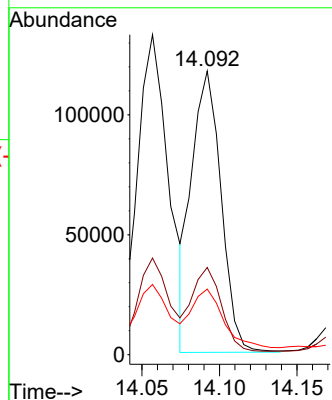
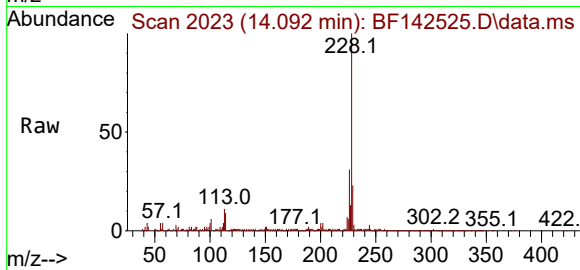
Tgt Ion:228 Resp: 154149

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

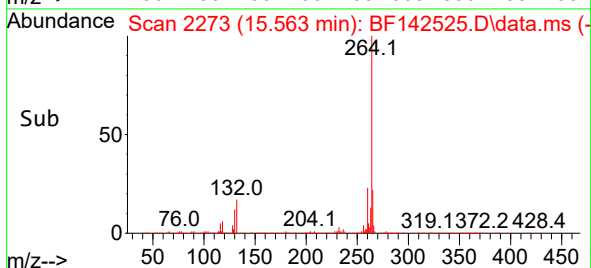
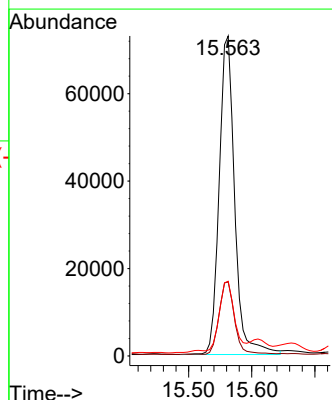
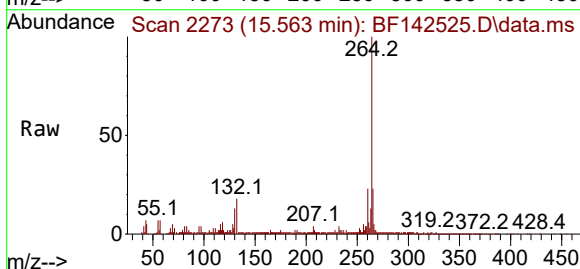
Tgt Ion:264 Resp: 124427

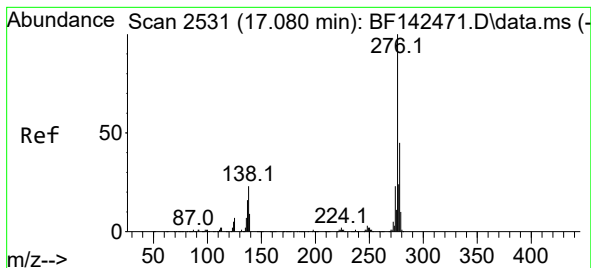
Ion Ratio Lower Upper

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

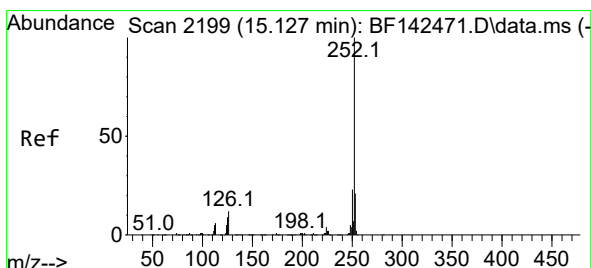
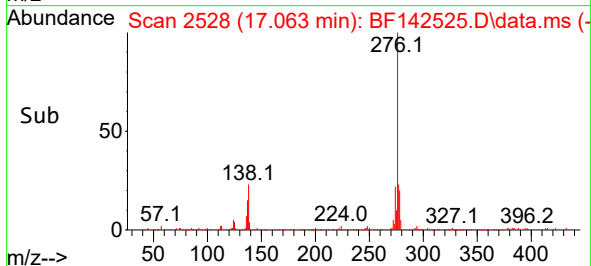
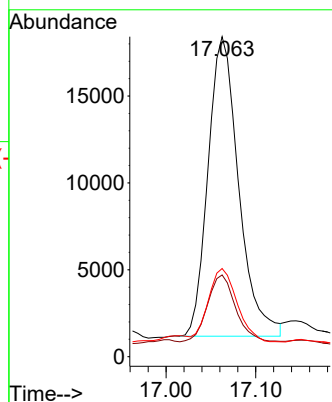
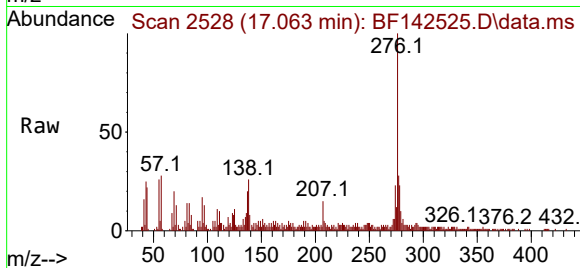
Instrument :

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: 19.101 ng m

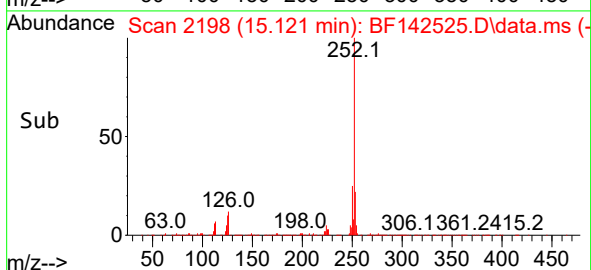
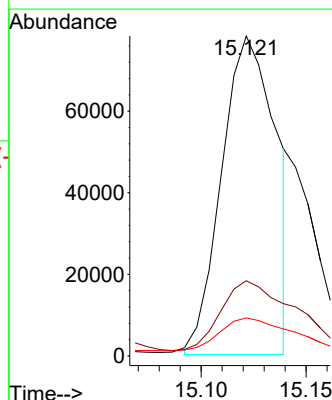
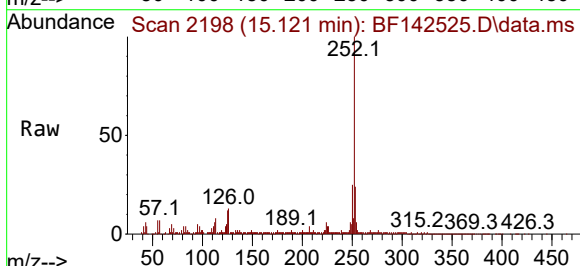
RT: 15.121 min Scan# 2198

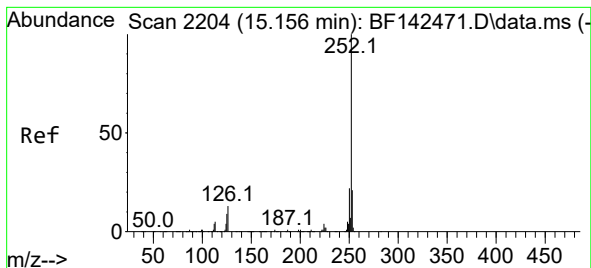
Delta R.T. -0.006 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Tgt Ion:	252	Resp:	140661
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: 4.409 ng m

RT: 15.145 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142525.D

Acq: 22 May 2025 22:20

Instrument :

BNA_F

ClientSampleId :

WCS-TP1

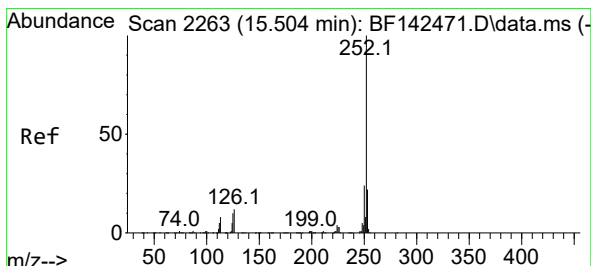
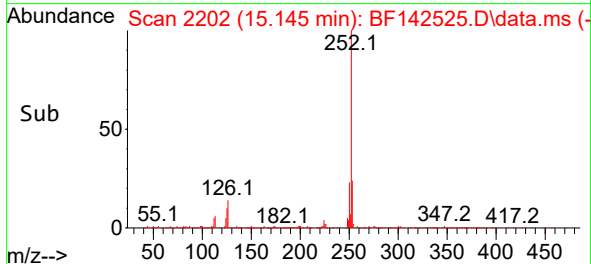
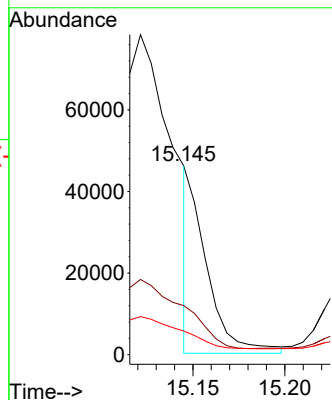
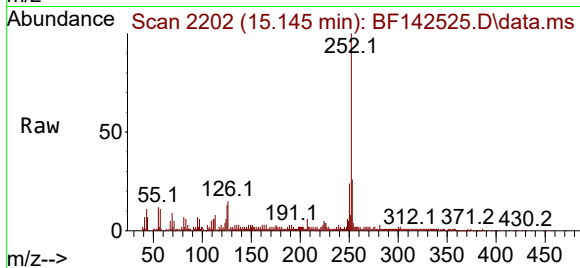
Tgt Ion:252 Resp: 30412

Ion Ratio Lower Upper

252 100

253 26.0 17.0 25.4#

125 12.6 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

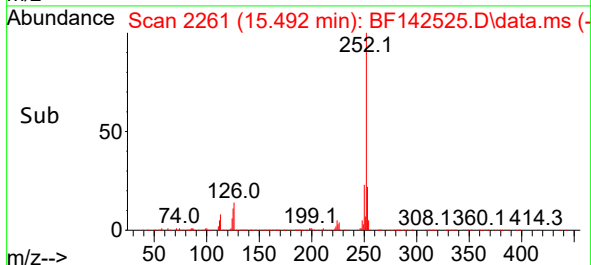
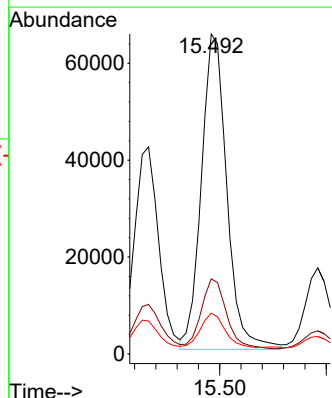
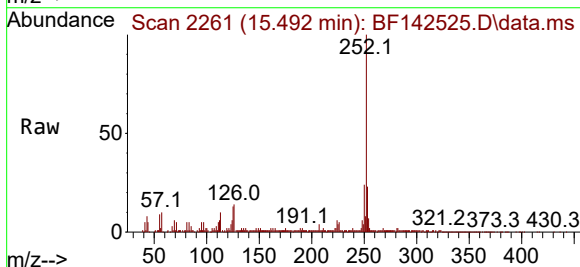
Tgt Ion:252 Resp: 108372

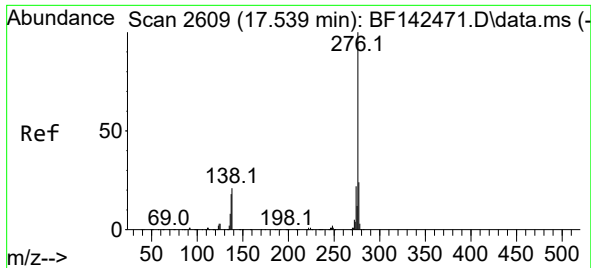
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

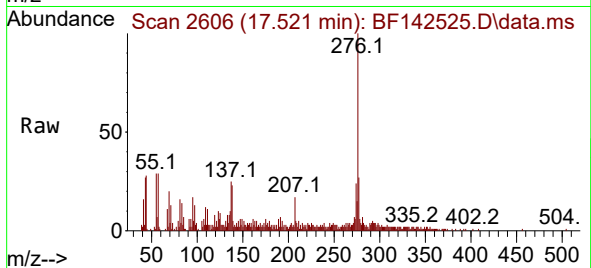
125 12.7 7.9 11.9#





#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

