

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142585.D
 Acq On : 30 May 2025 22:41
 Operator : RC/JU
 Sample : Q2150-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-52

Quant Time: May 31 00:11:53 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)

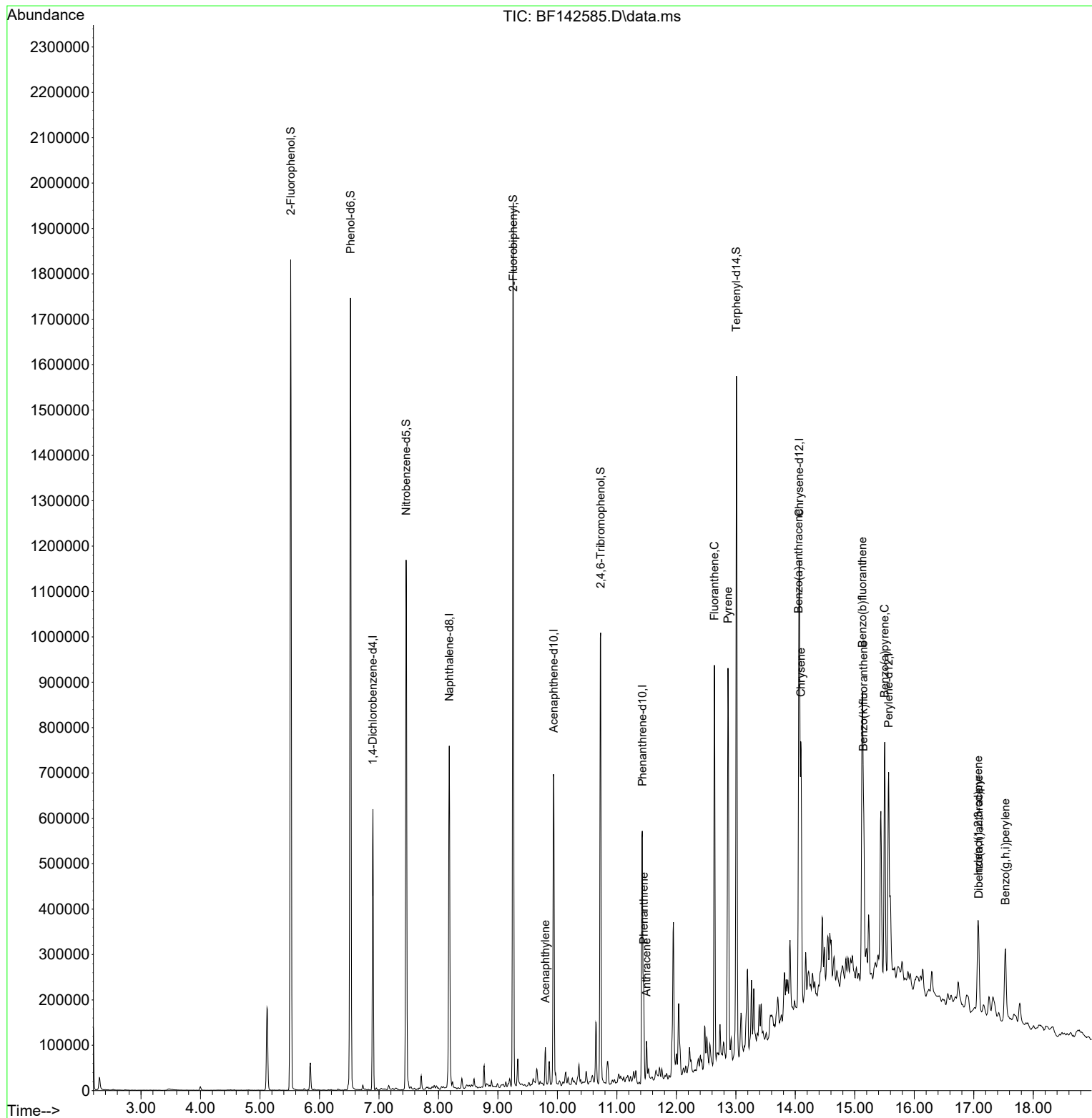
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	133645	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	476744	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	213806	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	298216	20.000	ng	0.00
76) Chrysene-d12	14.068	240	272466	20.000	ng	0.00
86) Perylene-d12	15.568	264	264844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	711745	89.724	ng	0.00
7) Phenol-d6	6.522	99	854204	89.455	ng	-0.01
23) Nitrobenzene-d5	7.457	82	498554	57.023	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	178930	75.403	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	877026	55.043	ng	-0.01
79) Terphenyl-d14	13.010	244	725082	36.366	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.798	152	49367	2.386	ng	100
71) Phenanthrene	11.451	178	112000	7.028	ng	99
72) Anthracene	11.498	178	56976	3.503	ng	99
75) Fluoranthene	12.639	202	497661	33.419	ng	99
78) Pyrene	12.868	202	507160	19.953	ng	98
81) Benzo(a)anthracene	14.057	228	350812	19.282	ng	94
83) Chrysene	14.092	228	326975	20.000	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	152667	7.678	ng	99
88) Benzo(b)fluoranthene	15.127	252	459256m	29.299	ng	
89) Benzo(k)fluoranthene	15.145	252	135303m	9.216	ng	
90) Benzo(a)pyrene	15.504	252	317279	21.474	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	39006	2.419	ng	# 88
92) Benzo(g,h,i)perylene	17.533	276	147088	9.119	ng	98

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

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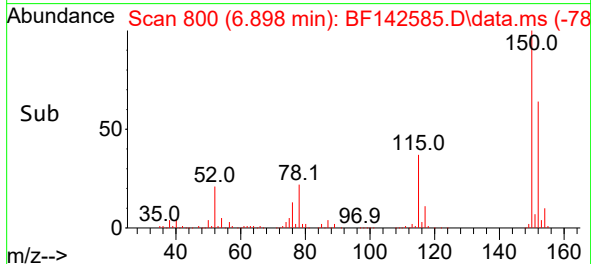
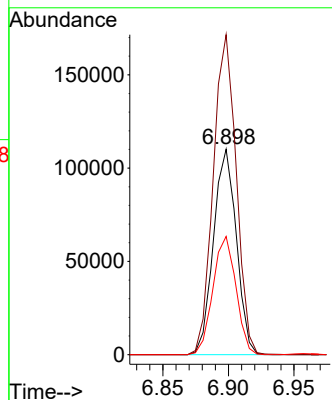
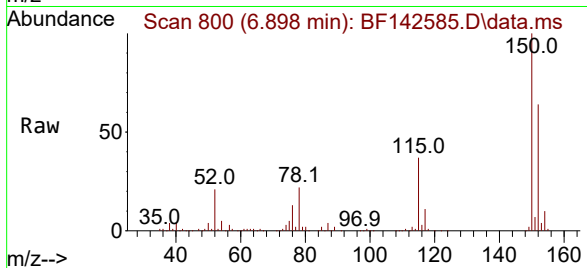




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

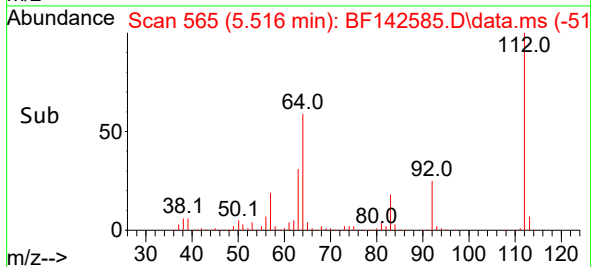
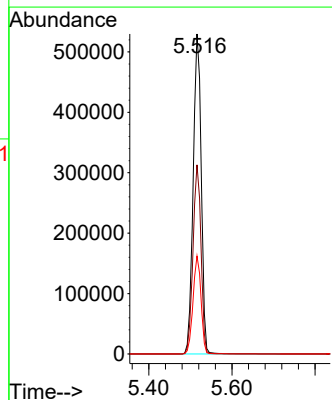
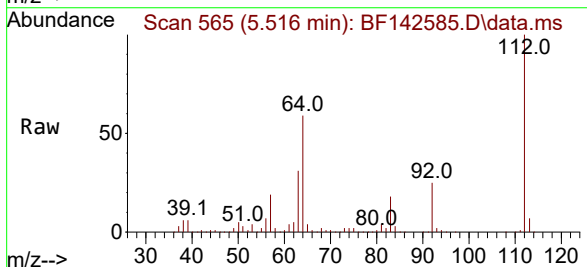
Instrument :
BNA_F
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TP-52

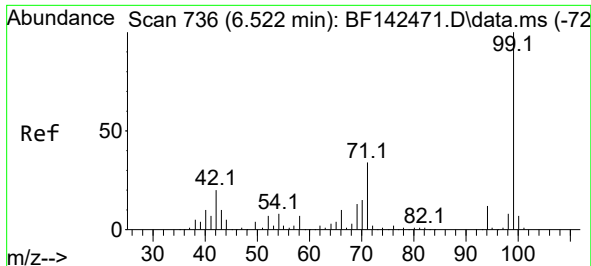
Tgt Ion:152 Resp: 133645
Ion Ratio Lower Upper
152 100
150 155.7 128.2 192.4
115 57.5 48.3 72.5



#5
2-Fluorophenol
Concen: 89.724 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:112 Resp: 711745
Ion Ratio Lower Upper
112 100
64 59.1 47.5 71.3
63 30.6 24.9 37.3

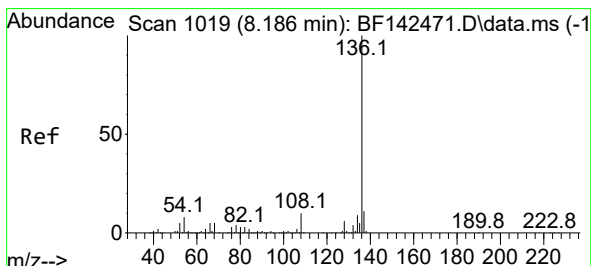
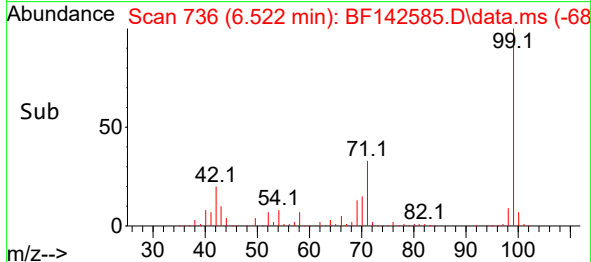
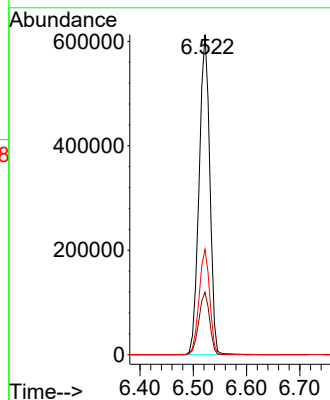
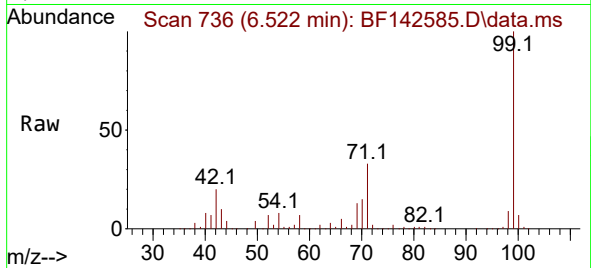




#7
Phenol-d6
Concen: 89.455 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

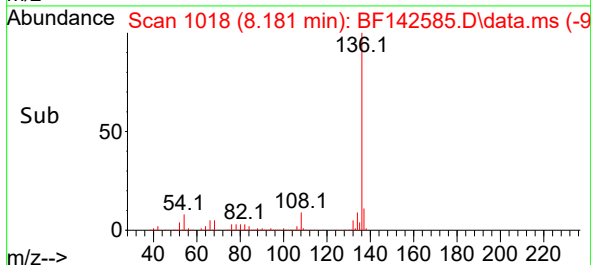
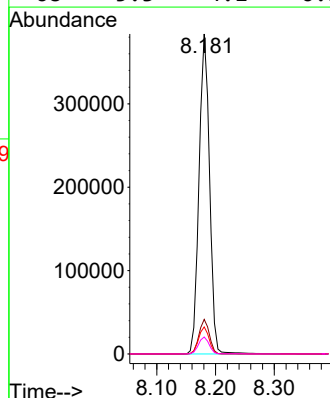
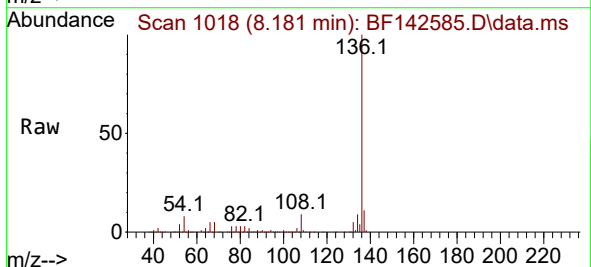
Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion: 99 Resp: 854204
Ion Ratio Lower Upper
99 100
42 19.5 16.2 24.2
71 32.9 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: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:136 Resp: 476744
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.4 6.6 10.0
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 57.023 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

Instrument :

BNA_F

ClientSampleId :

TP-52

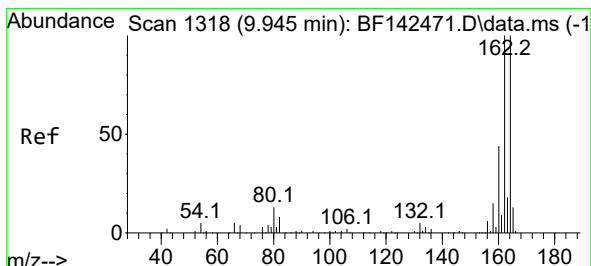
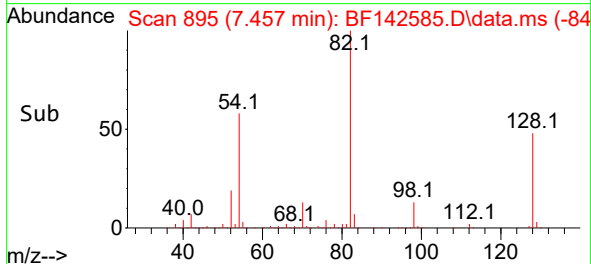
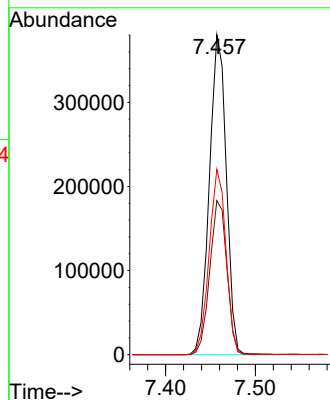
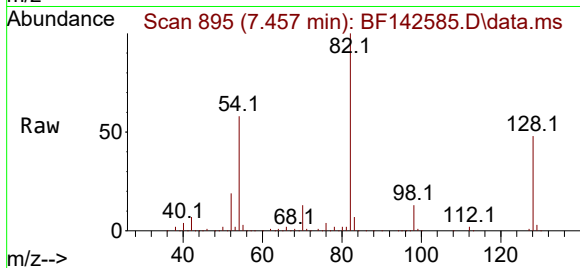
Tgt Ion: 82 Resp: 498554

Ion Ratio Lower Upper

82 100

128 48.2 37.4 56.2

54 57.9 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

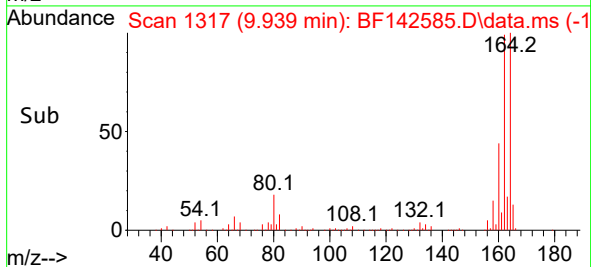
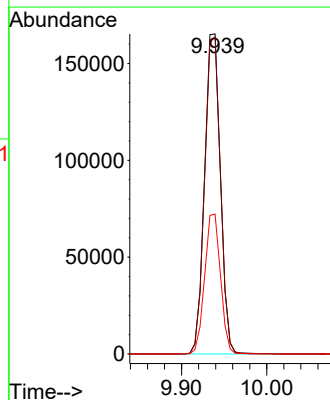
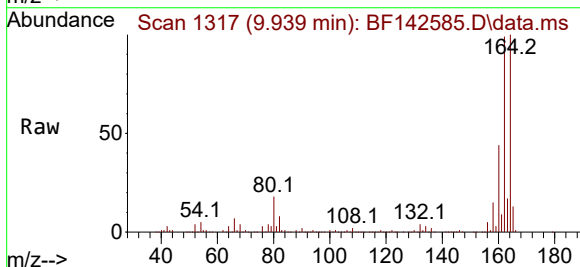
Tgt Ion:164 Resp: 213806

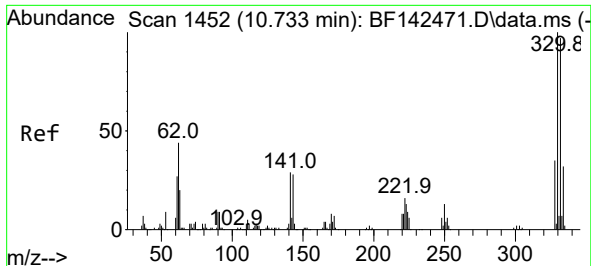
Ion Ratio Lower Upper

164 100

162 99.1 80.2 120.4

160 43.7 35.6 53.4

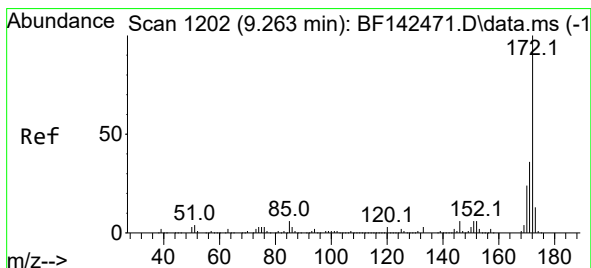
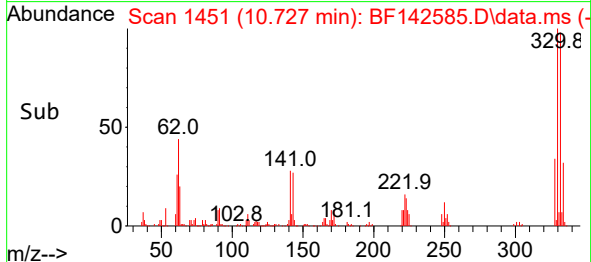
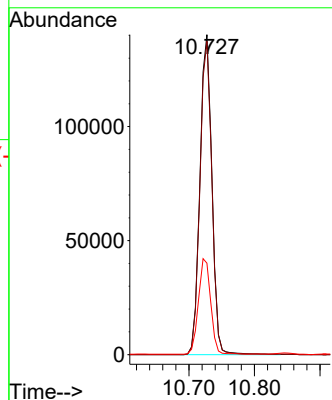
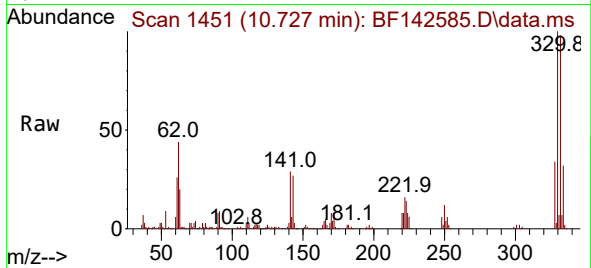




#42
2,4,6-Tribromophenol
Concen: 75.403 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

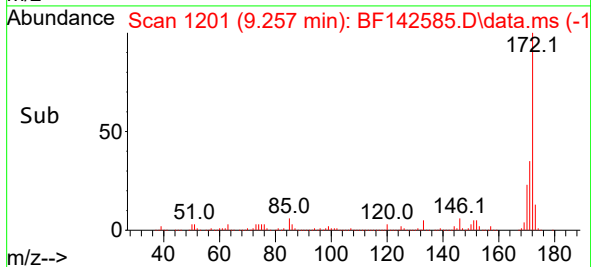
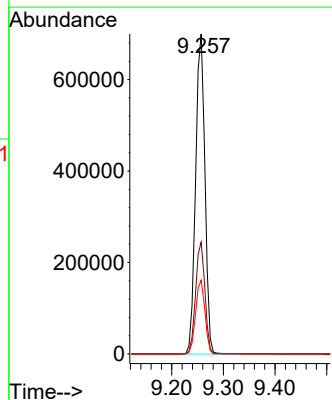
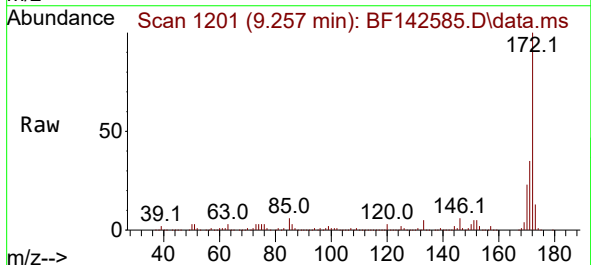
Instrument :
BNA_F
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TP-52

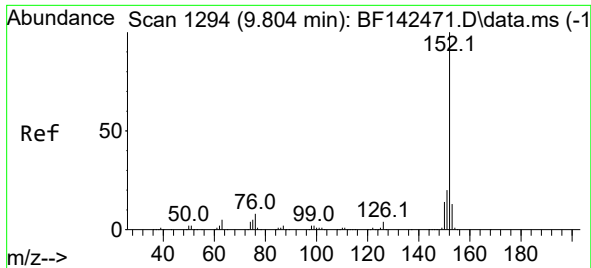
Tgt Ion:330 Resp: 178930
Ion Ratio Lower Upper
330 100
332 97.3 77.6 116.4
141 30.5 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 55.043 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:172 Resp: 877026
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.1 18.9 28.3





#49

Acenaphthylene

Concen: 2.386 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

Instrument :

BNA_F

ClientSampleId :

TP-52

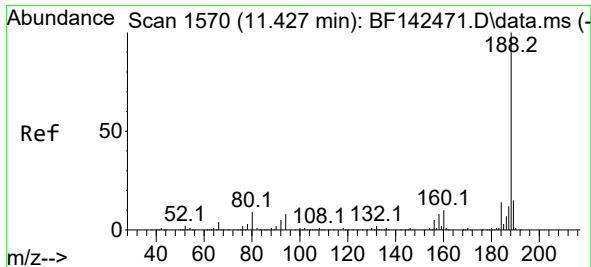
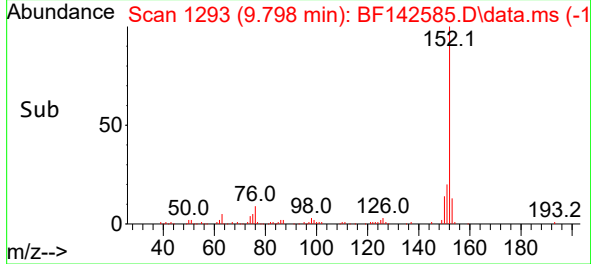
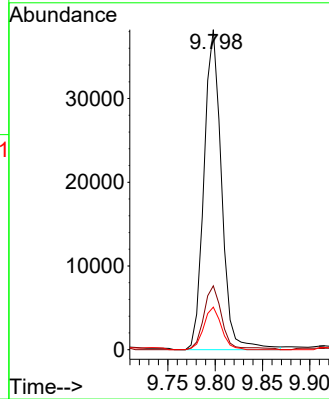
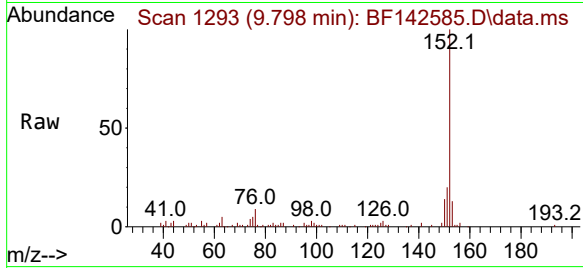
Tgt Ion:152 Resp: 49367

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.3 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

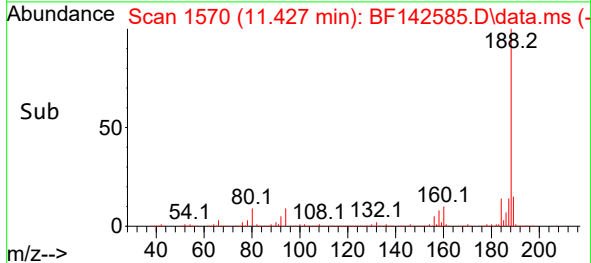
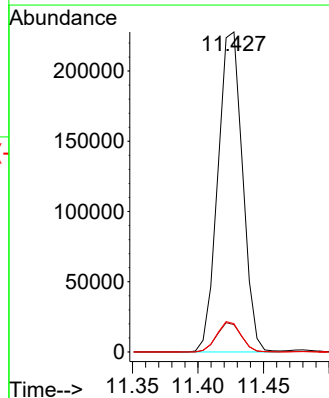
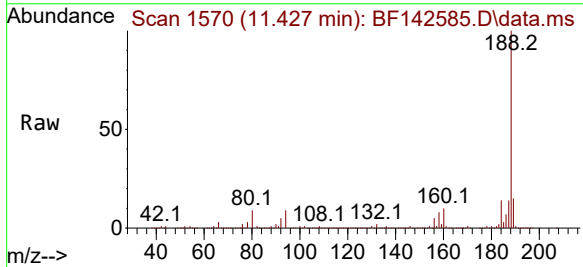
Tgt Ion:188 Resp: 298216

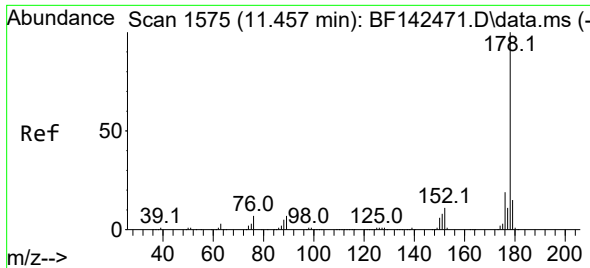
Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 8.9 7.4 11.0

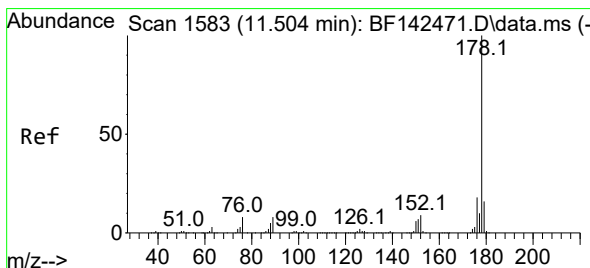
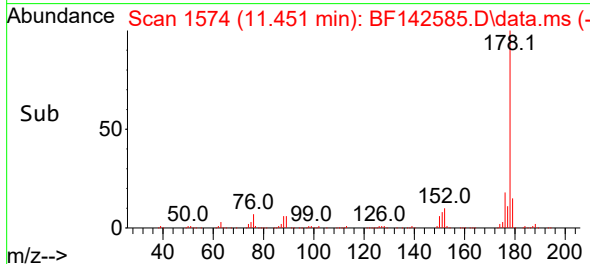
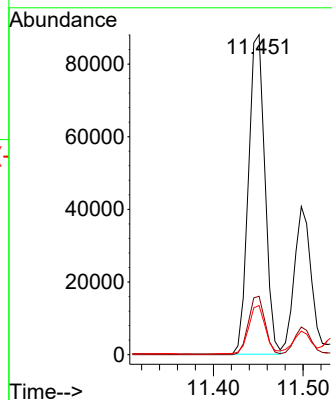
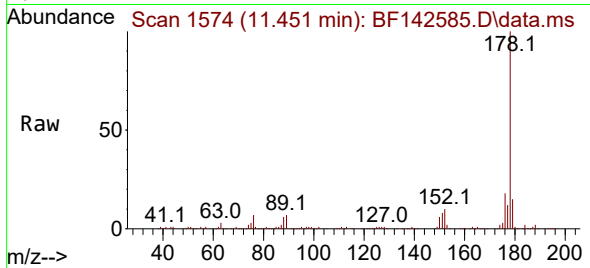




#71
Phenanthrene
Concen: 7.028 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

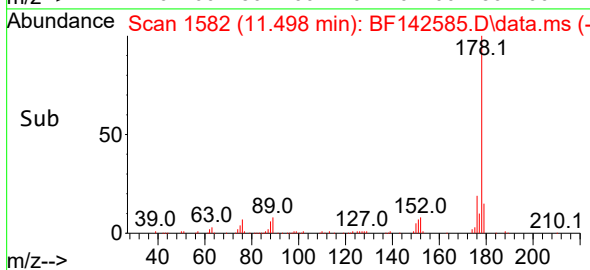
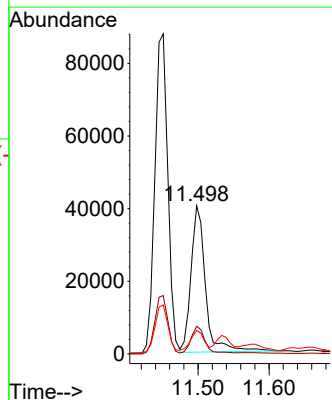
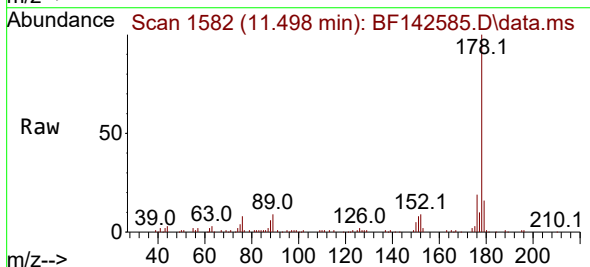
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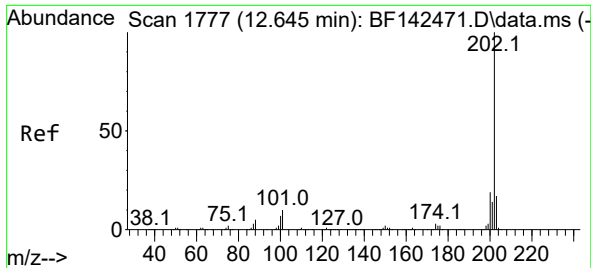
Tgt Ion:178 Resp: 112000
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.4 12.3 18.5



#72
Anthracene
Concen: 3.503 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:178 Resp: 56976
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 15.9 12.4 18.6

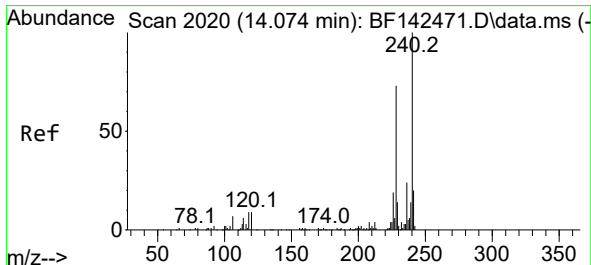
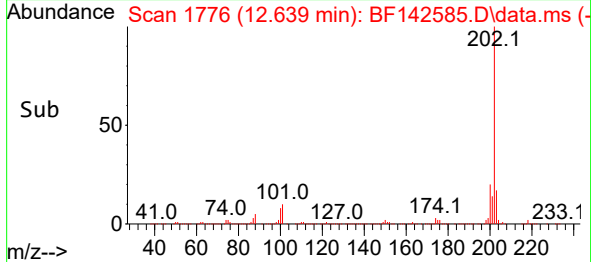
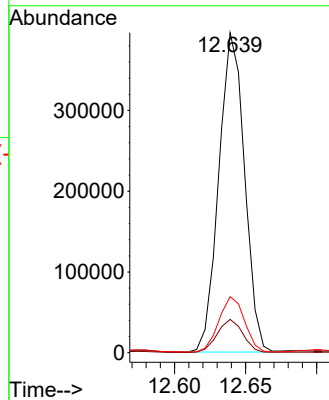
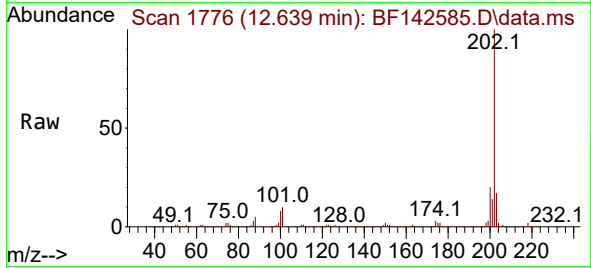




#75
Fluoranthene
Concen: 33.419 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

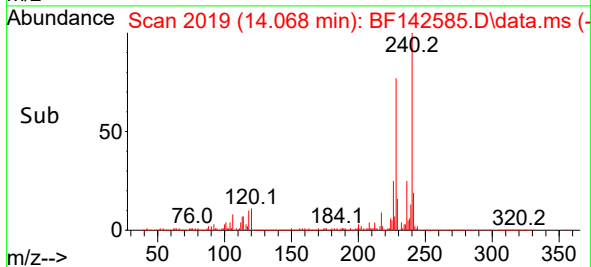
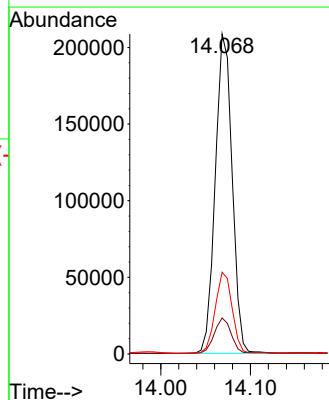
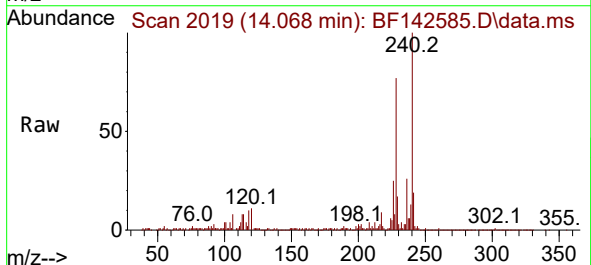
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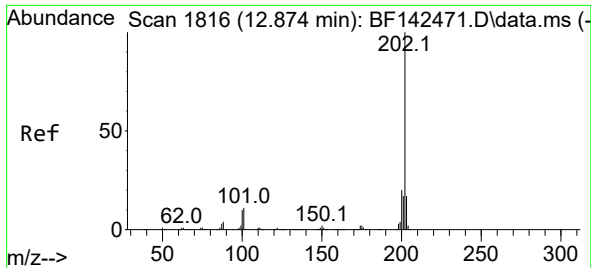
Tgt Ion:202 Resp: 497661
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.6
203 17.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:240 Resp: 272466
Ion Ratio Lower Upper
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120 11.3 7.5 11.3
236 25.6 19.6 29.4

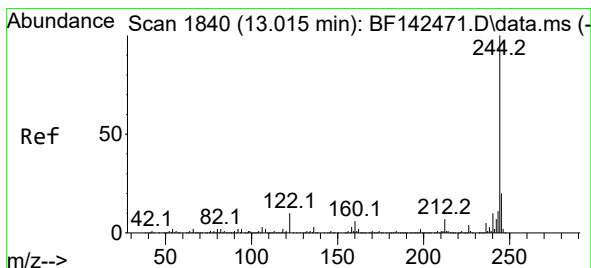
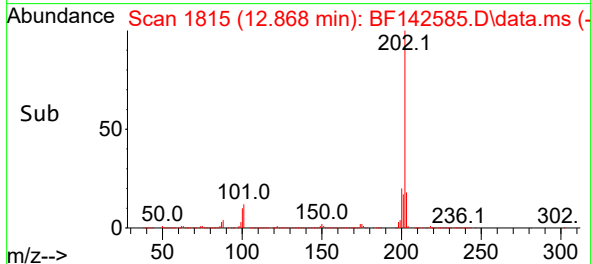
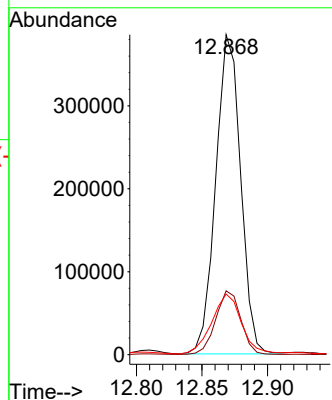
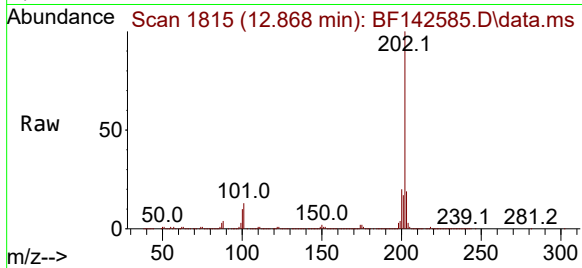




#78
 Pyrene
 Concen: 19.953 ng
 RT: 12.868 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: BF142585.D
 Acq: 30 May 2025 22:41

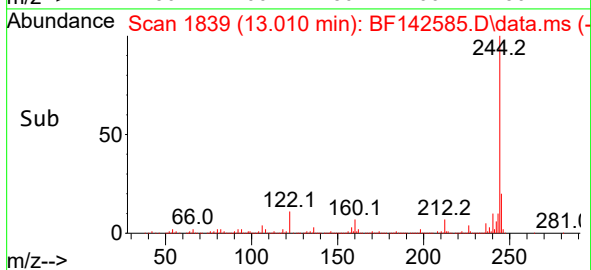
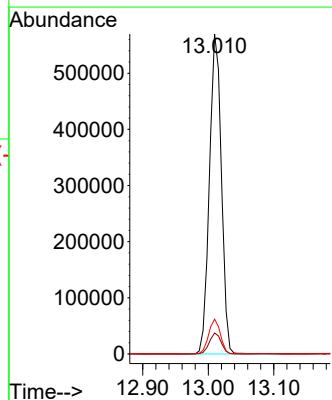
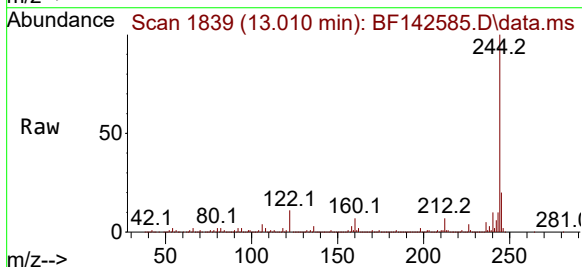
Instrument :
 BNA_F
 ClientSampleId :
 TP-52

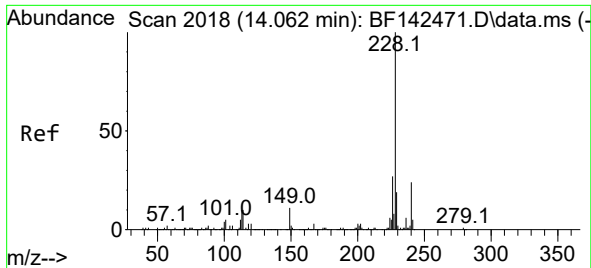
Tgt Ion:202 Resp: 507160
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.1 24.1
 203 18.9 13.9 20.9



#79
 Terphenyl-d14
 Concen: 36.366 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142585.D
 Acq: 30 May 2025 22:41

Tgt Ion:244 Resp: 725082
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 10.9 8.2 12.2

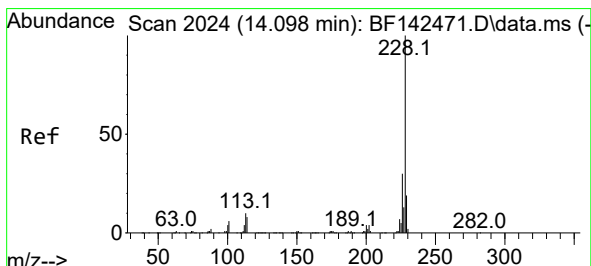
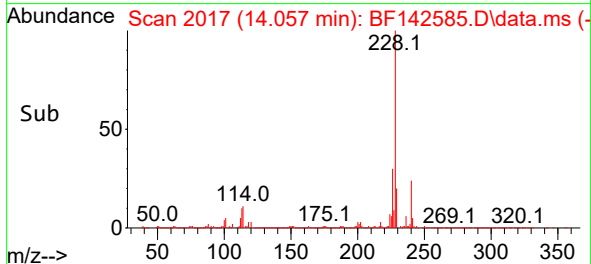
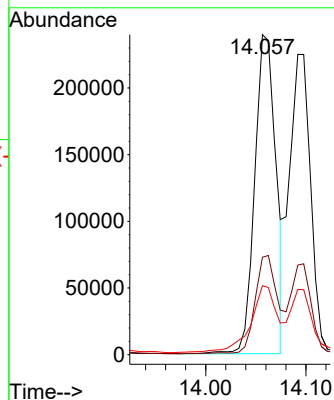
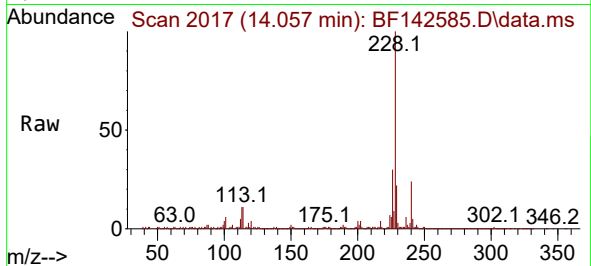




#81
Benzo(a)anthracene
Concen: 19.282 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

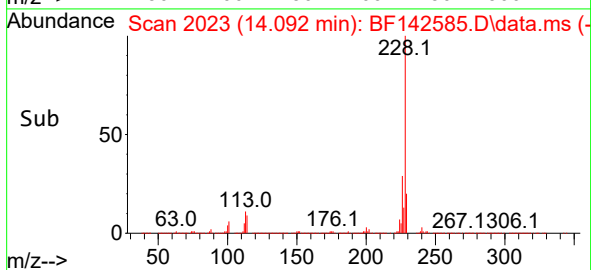
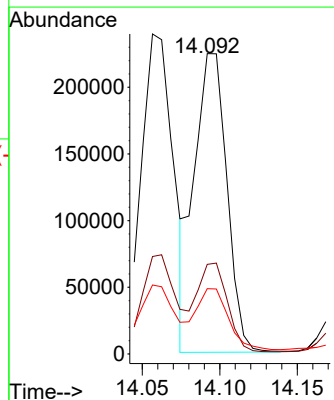
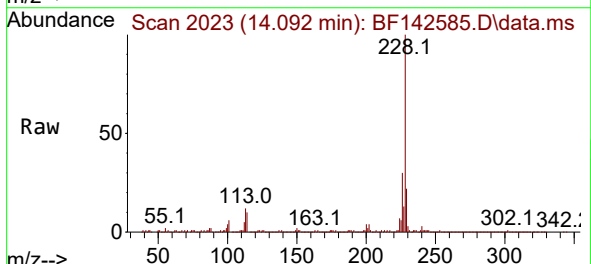
Instrument :
BNA_F
ClientSampleId :
TP-52

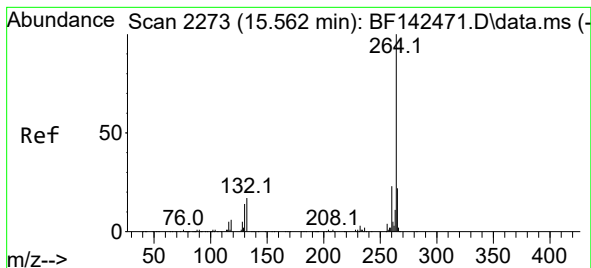
Tgt Ion:228 Resp: 350812
Ion Ratio Lower Upper
228 100
226 30.4 21.2 31.8
229 21.5 15.5 23.3



#83
Chrysene
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:228 Resp: 326975
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 21.7 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

Instrument :

BNA_F

ClientSampleId :

TP-52

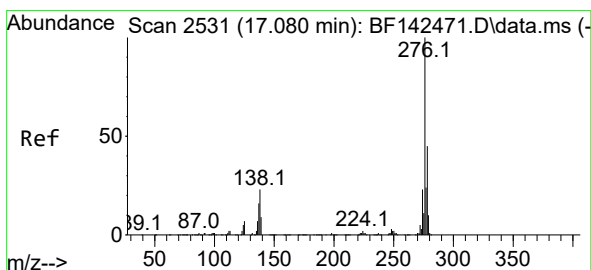
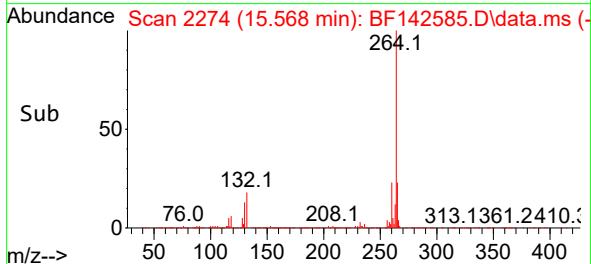
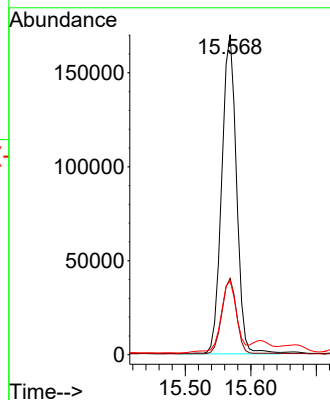
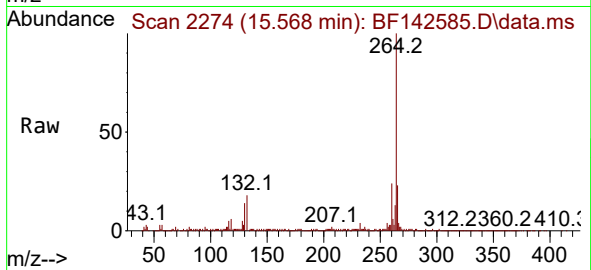
Tgt Ion:264 Resp: 264844

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 23.1 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.678 ng

RT: 17.074 min Scan# 2530

Delta R.T. -0.018 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

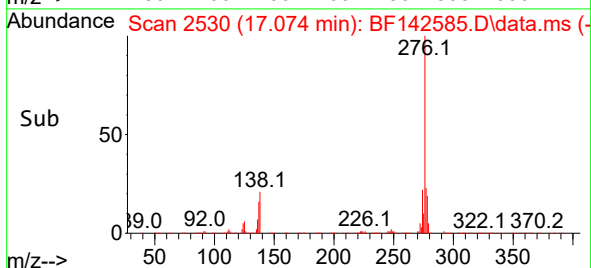
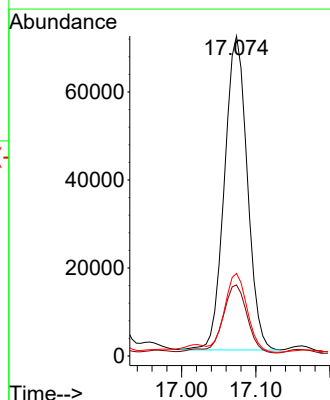
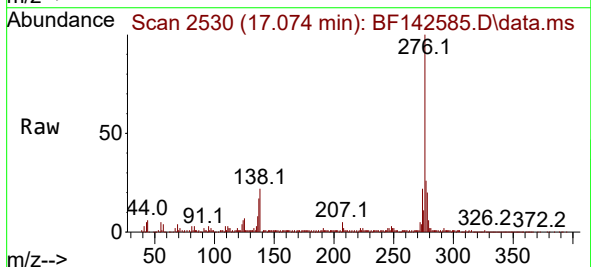
Tgt Ion:276 Resp: 152667

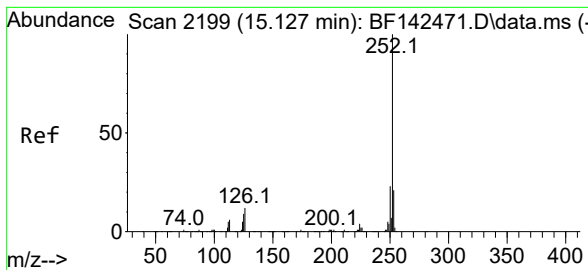
Ion Ratio Lower Upper

276 100

138 23.6 19.9 29.9

277 25.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 29.299 ng m

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

Instrument :

BNA_F

ClientSampleId :

TP-52

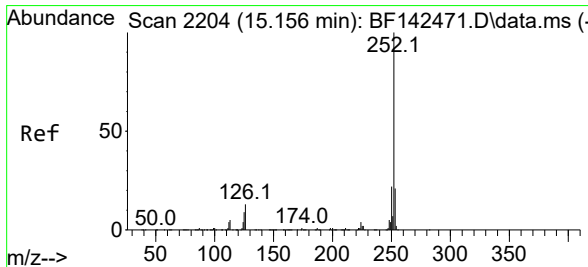
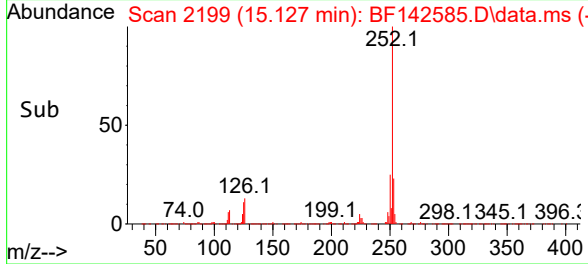
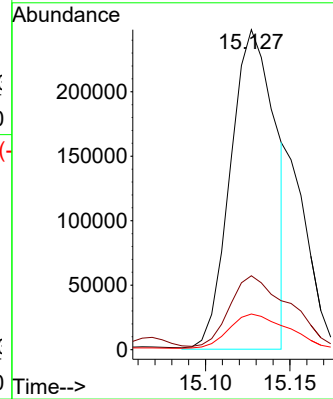
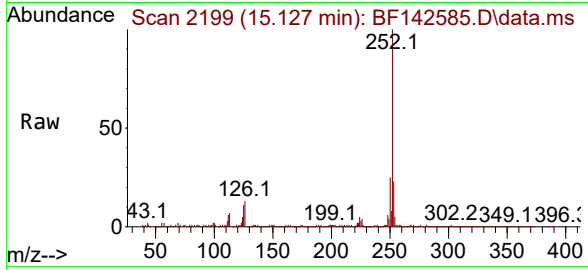
Tgt Ion:252 Resp: 459256

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

125 11.2 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 9.216 ng m

RT: 15.145 min Scan# 2202

Delta R.T. -0.018 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

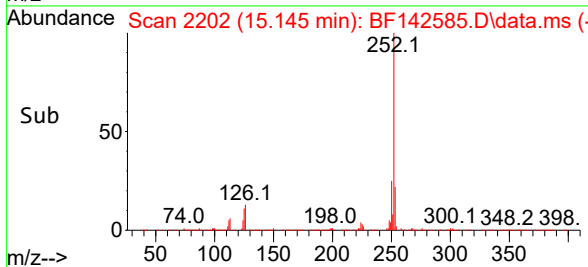
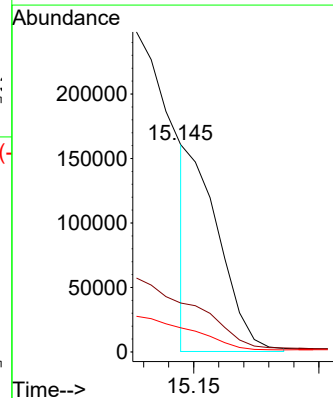
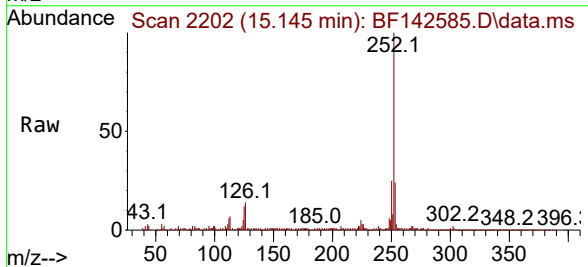
Tgt Ion:252 Resp: 135303

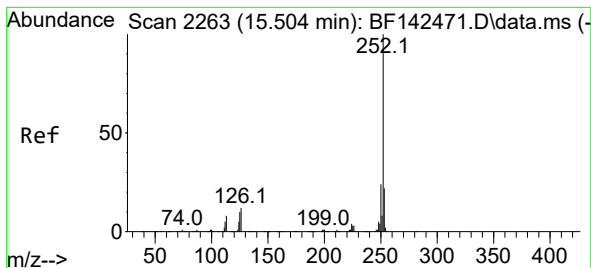
Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

125 11.7 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 21.474 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

Instrument :

BNA_F

ClientSampleId :

TP-52

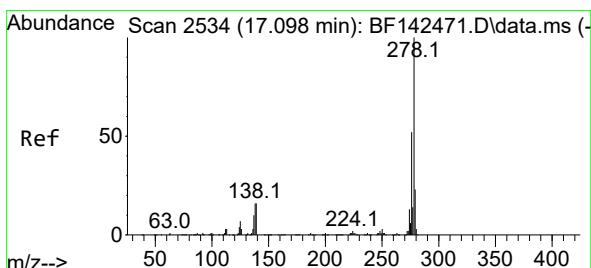
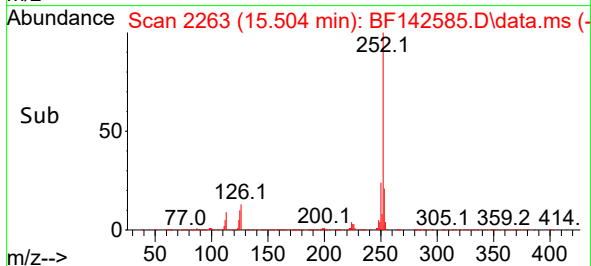
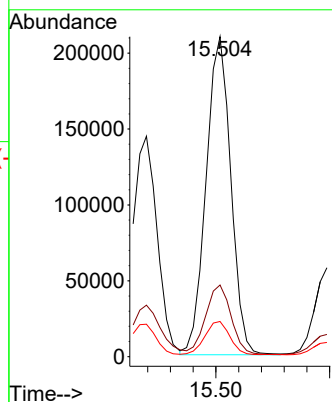
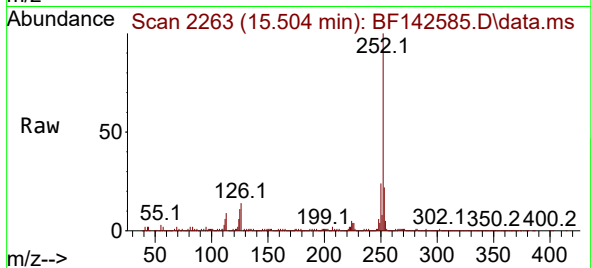
Tgt Ion:252 Resp: 317279

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 11.0 7.9 11.9



#91

Dibenzo(a,h)anthracene

Concen: 2.419 ng

RT: 17.086 min Scan# 2532

Delta R.T. -0.029 min

Lab File: BF142585.D

Acq: 30 May 2025 22:41

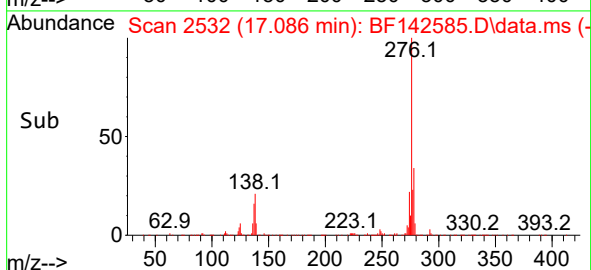
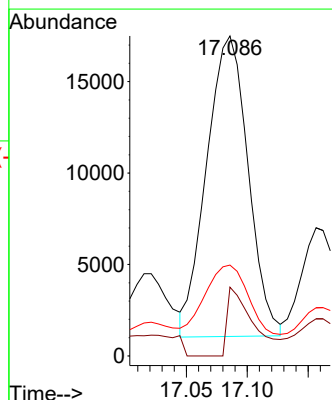
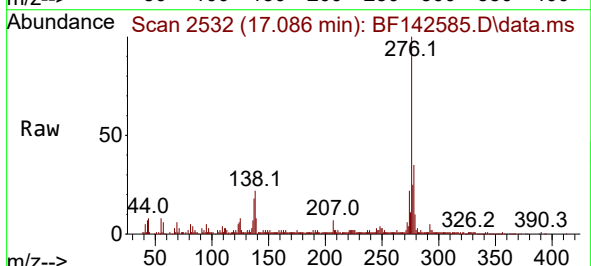
Tgt Ion:278 Resp: 39006

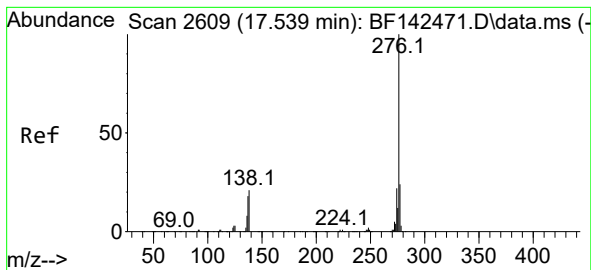
Ion Ratio Lower Upper

278 100

139 21.5 12.8 19.2#

279 28.4 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 9.119 ng

RT: 17.533 min Scan# 2

Delta R.T. -0.023 min

Lab File: BF142585.D

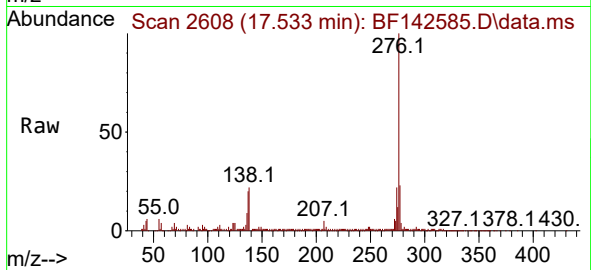
Acq: 30 May 2025 22:41

Instrument :

BNA_F

ClientSampleId :

TP-52



Tgt Ion:276 Resp: 147088

Ion Ratio Lower Upper

276 100

277 23.1 19.2 28.8

138 22.4 16.8 25.2

