

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142953.D
 Acq On : 01 Jul 2025 16:58
 Operator : RC/JU
 Sample : Q2469-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jul 01 17:17:46 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)

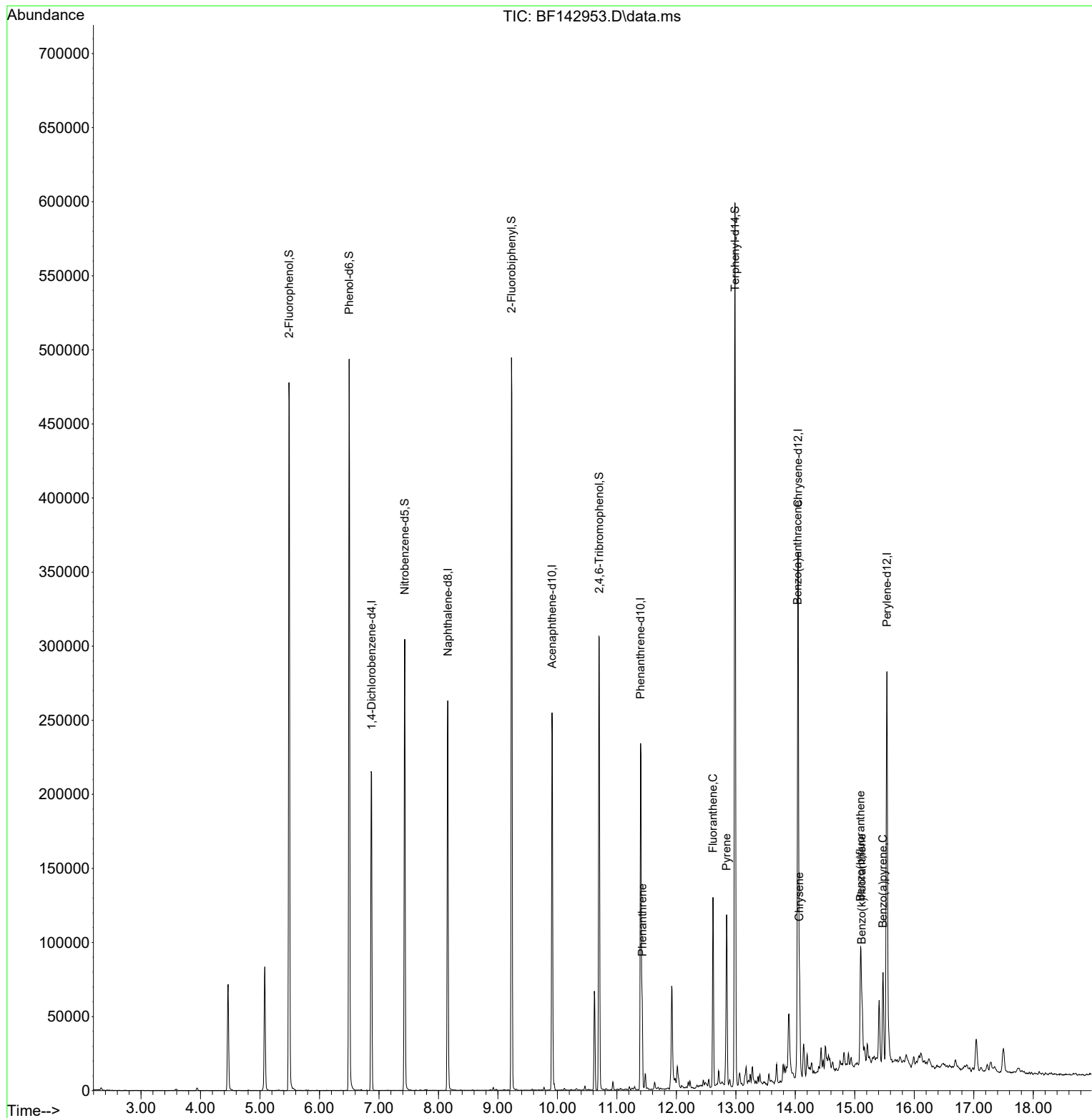
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49955	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	171087	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	78854	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	125501	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	139974	20.000	ng	-0.01
86) Perylene-d12	15.539	264	151029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	188639	62.871	ng	0.00
7) Phenol-d6	6.498	99	220887	62.399	ng	-0.01
23) Nitrobenzene-d5	7.434	82	124425	39.891	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	53608	66.064	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	225956	37.643	ng	-0.02
79) Terphenyl-d14	12.986	244	281541	27.791	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.427	178	34719	5.107	ng	99
75) Fluoranthene	12.616	202	72821	11.287	ng	100
78) Pyrene	12.845	202	68347	5.209	ng	98
81) Benzo(a)anthracene	14.039	228	47123	4.990	ng	97
83) Chrysene	14.068	228	32838	3.897	ng	96
88) Benzo(b)fluoranthene	15.098	252	51955m	5.945	ng	
89) Benzo(k)fluoranthene	15.115	252	18828m	2.303	ng	
90) Benzo(a)pyrene	15.474	252	36814	4.360	ng	99

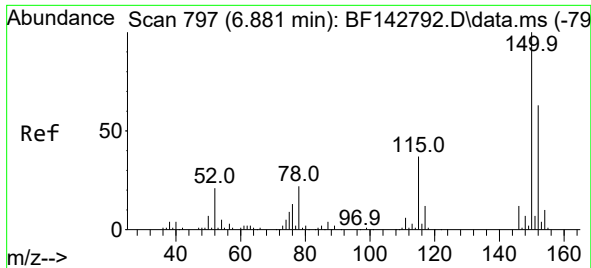
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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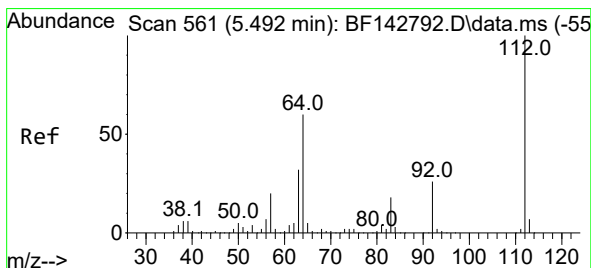
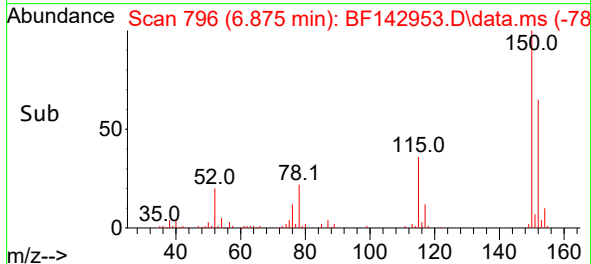
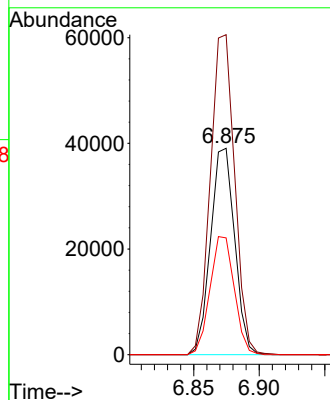
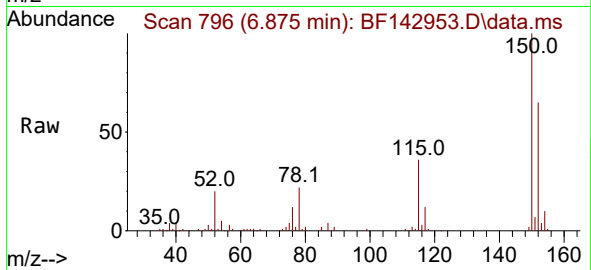




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

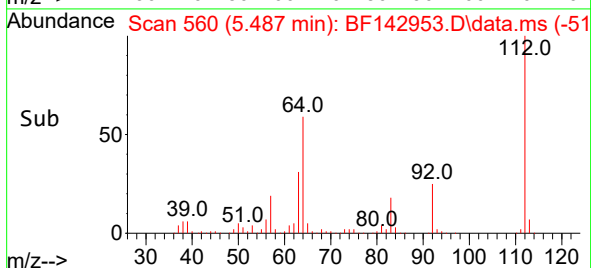
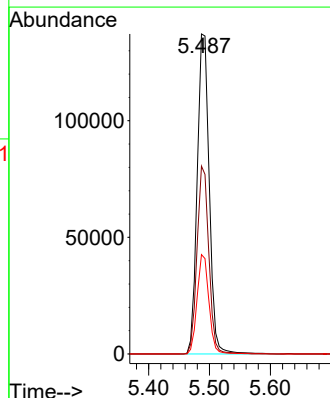
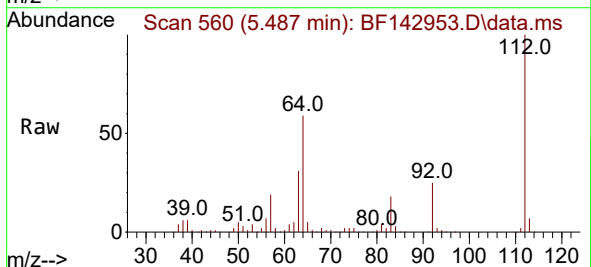
Instrument :
BNA_F
ClientSampleId :
WC-1

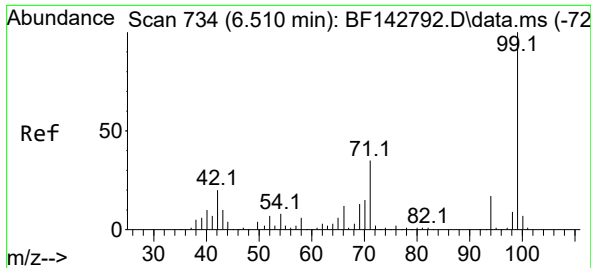
Tgt Ion:152 Resp: 49955
Ion Ratio Lower Upper
152 100
150 155.0 127.2 190.8
115 56.6 46.6 69.8



#5
2-Fluorophenol
Concen: 62.871 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:112 Resp: 188639
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.2
63 31.1 25.7 38.5

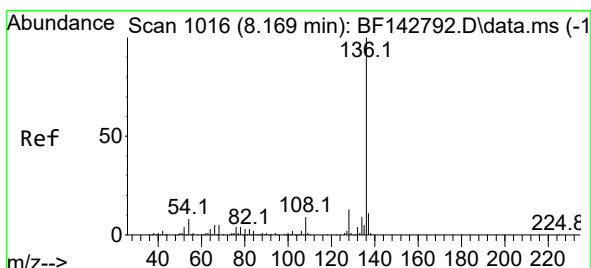
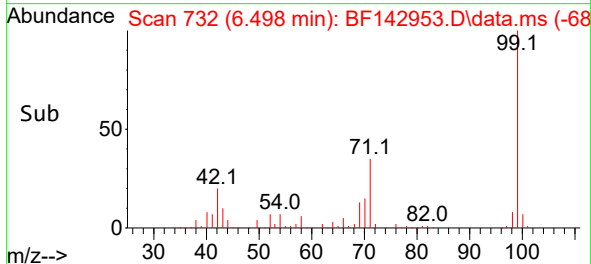
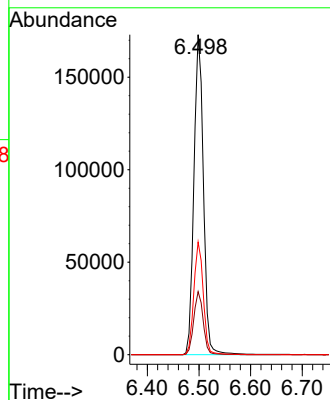
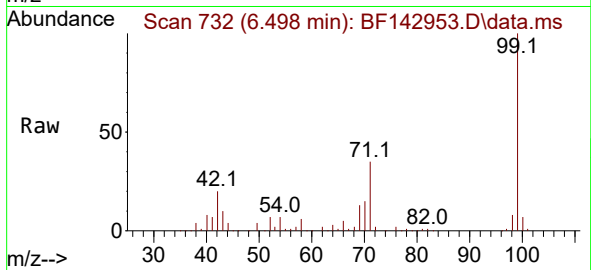




#7
Phenol-d6
Concen: 62.399 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

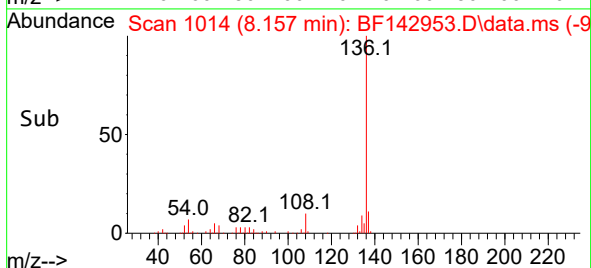
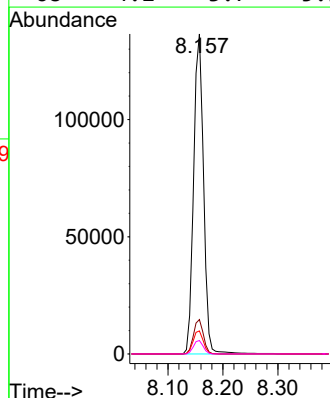
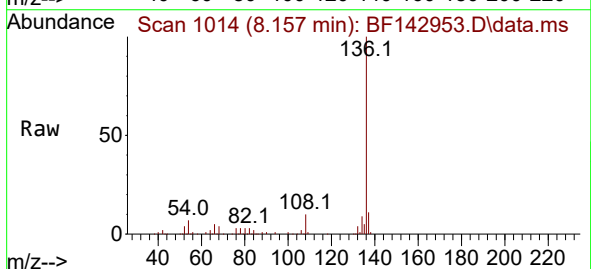
Instrument :
BNA_F
ClientSampleId :
WC-1

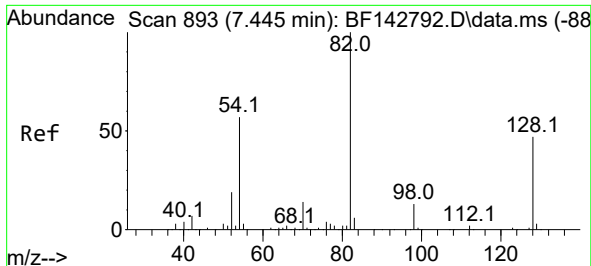
Tgt Ion: 99 Resp: 220887
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 35.2 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion: 136 Resp: 171087
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.2 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 39.891 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

Instrument :

BNA_F

ClientSampleId :

WC-1

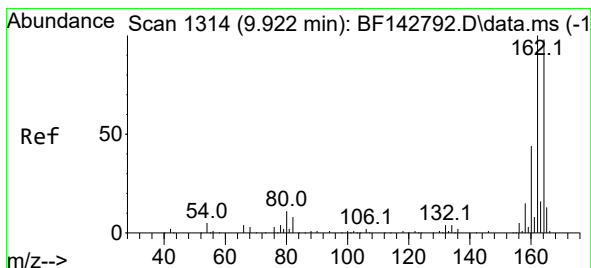
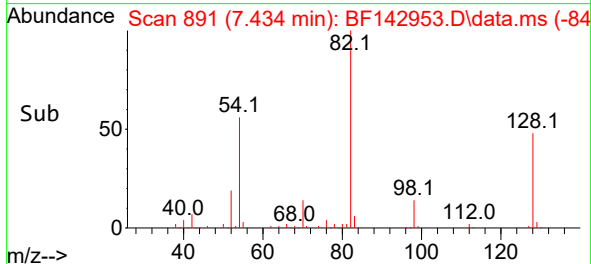
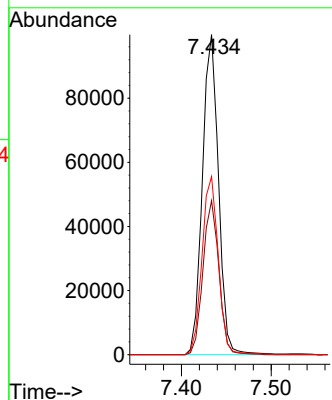
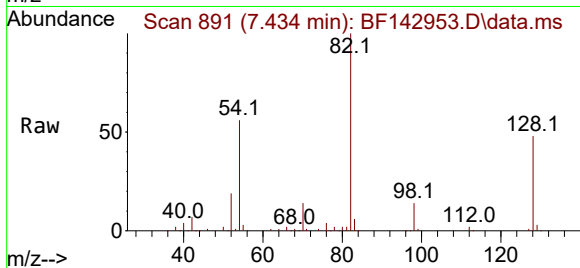
Tgt Ion: 82 Resp: 124425

Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 55.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

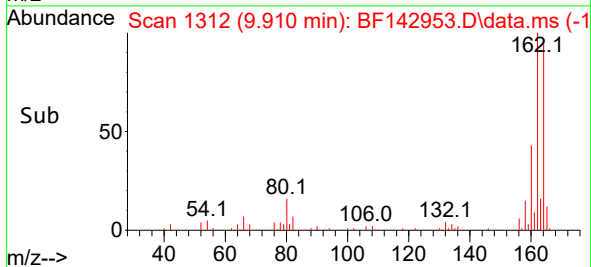
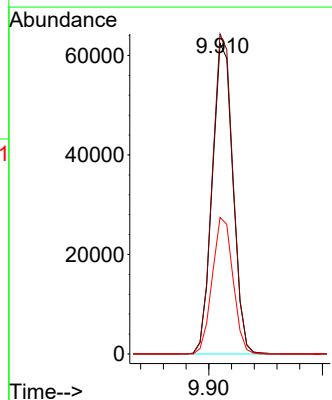
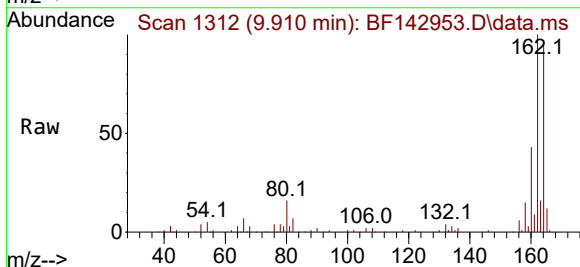
Tgt Ion:164 Resp: 78854

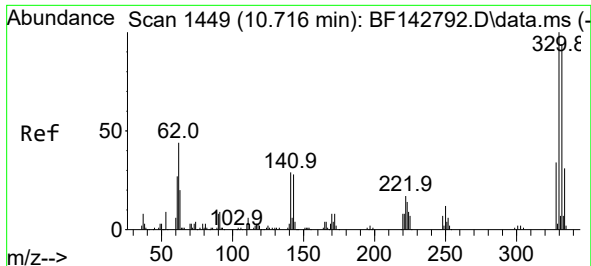
Ion Ratio Lower Upper

164 100

162 103.1 81.8 122.8

160 44.0 36.0 54.0

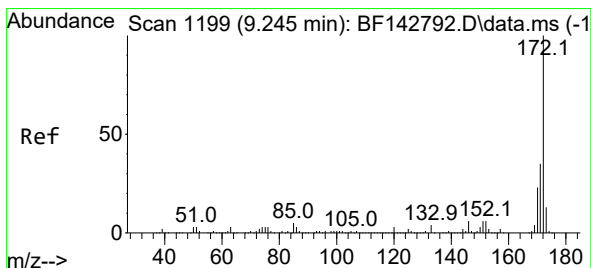
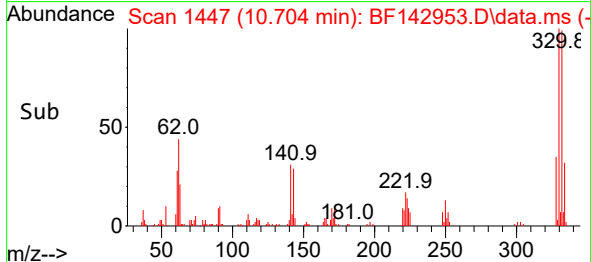
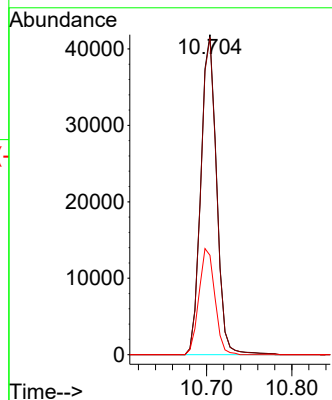
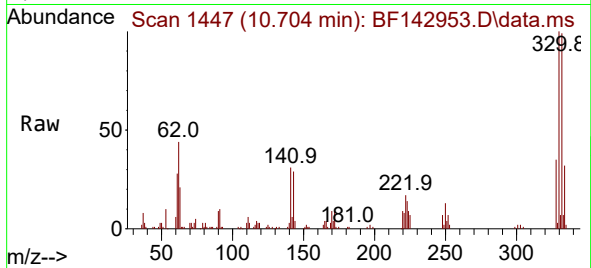




#42
2,4,6-Tribromophenol
Concen: 66.064 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

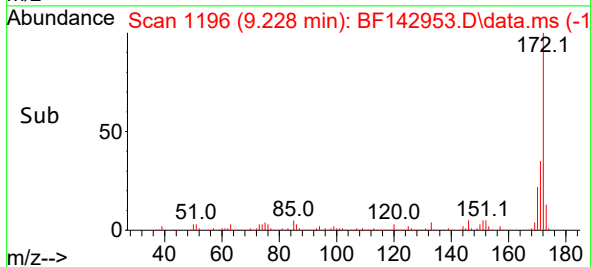
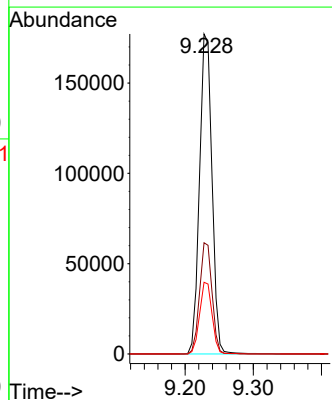
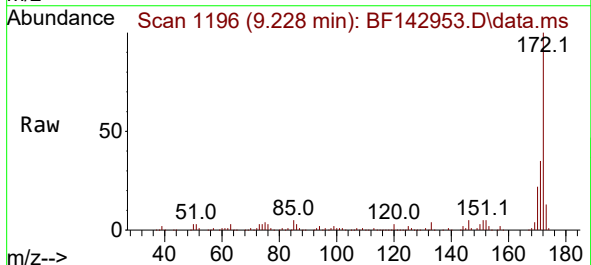
Instrument :
BNA_F
ClientSampleId :
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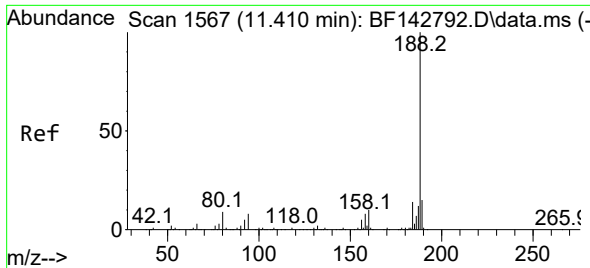
Tgt Ion:330 Resp: 53608
Ion Ratio Lower Upper
330 100
332 99.1 75.0 112.6
141 33.6 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 37.643 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:172 Resp: 225956
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 22.4 18.5 27.7

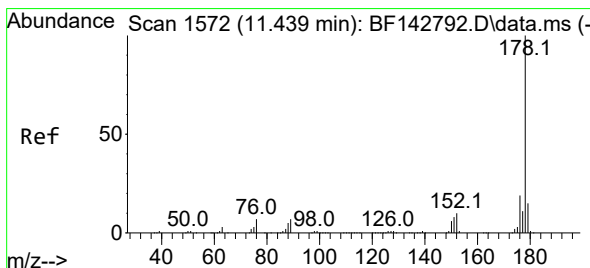
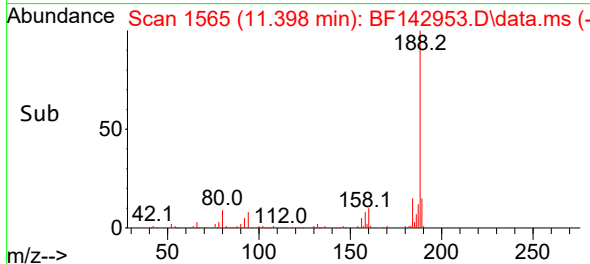
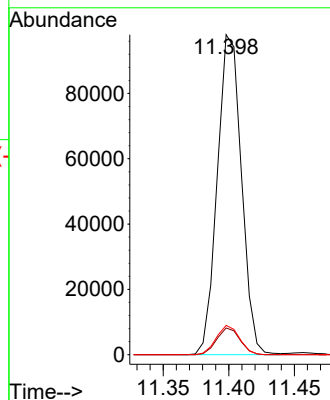
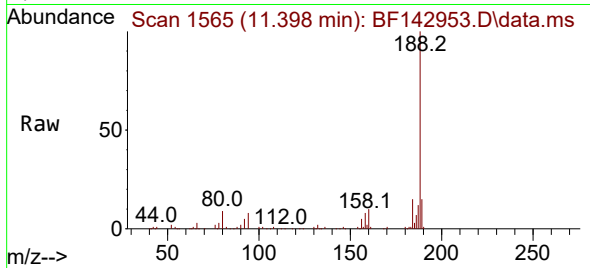




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

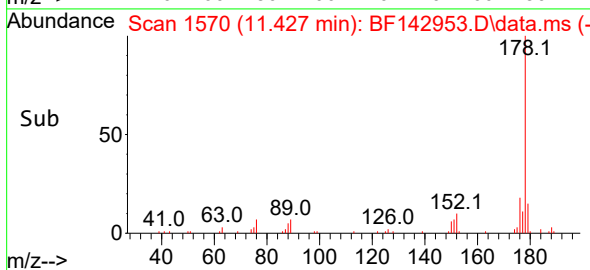
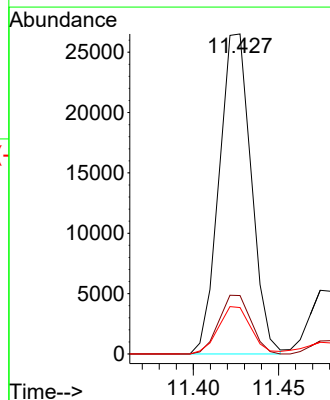
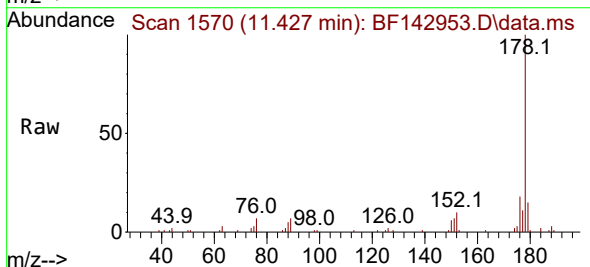
Instrument :
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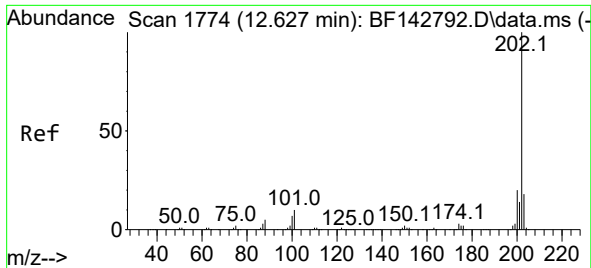
Tgt Ion:188 Resp: 125501
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 9.1 6.9 10.3



#71
Phenanthrene
Concen: 5.107 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:178 Resp: 34719
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 14.5 12.0 18.0

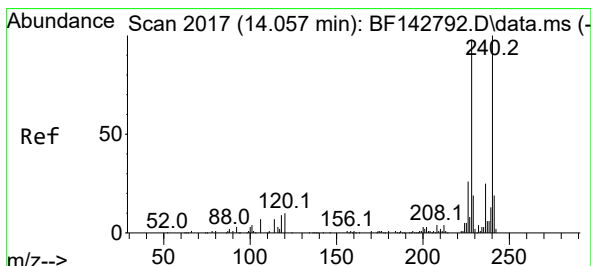
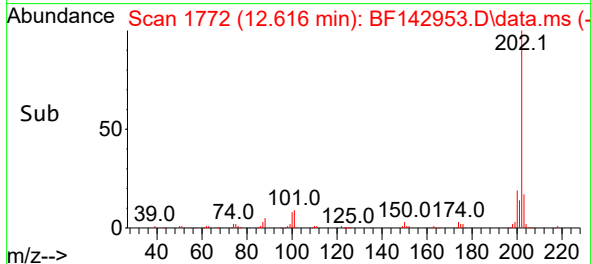
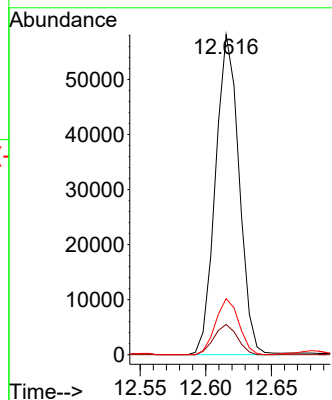
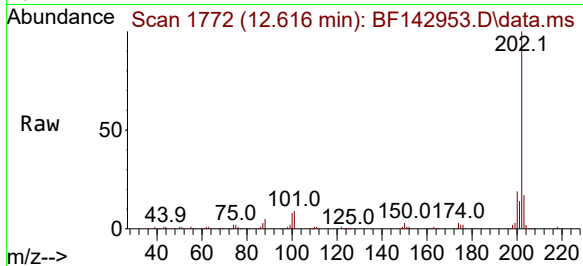




#75
Fluoranthene
Concen: 11.287 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

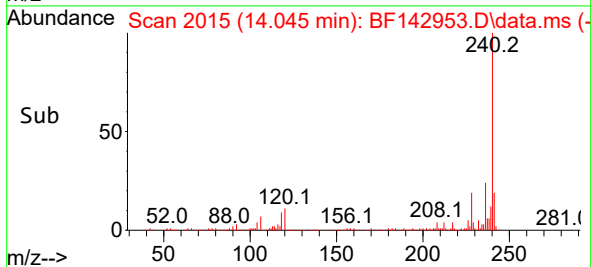
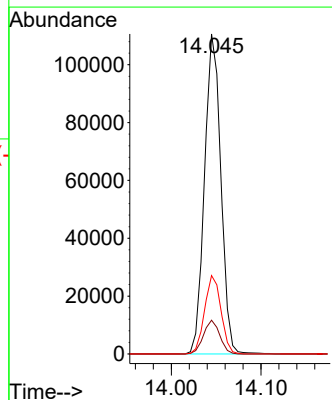
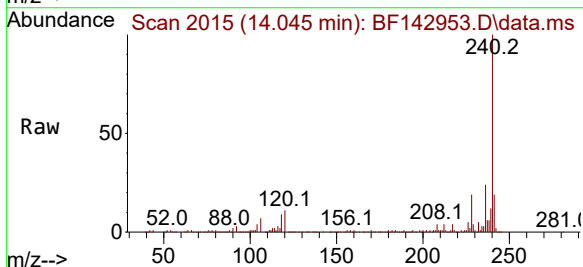
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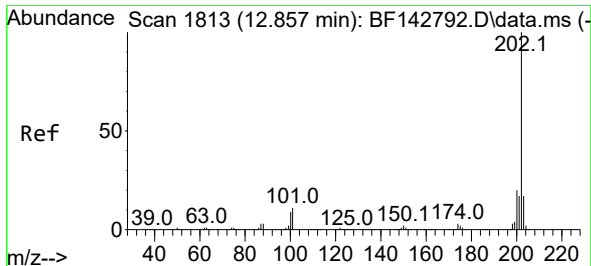
Tgt Ion:202 Resp: 72821
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:240 Resp: 139974
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.2
236 24.5 19.8 29.8

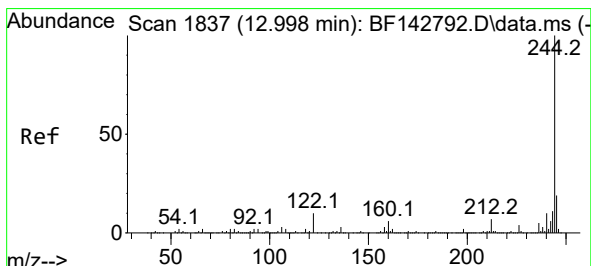
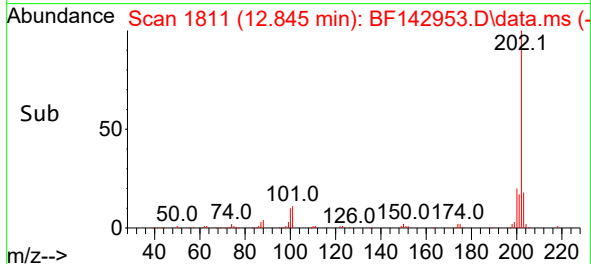
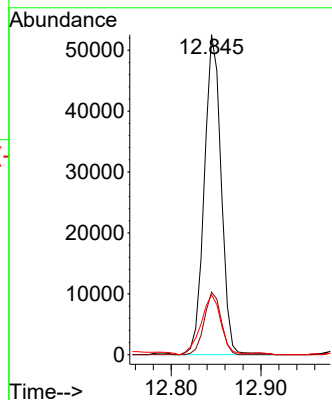
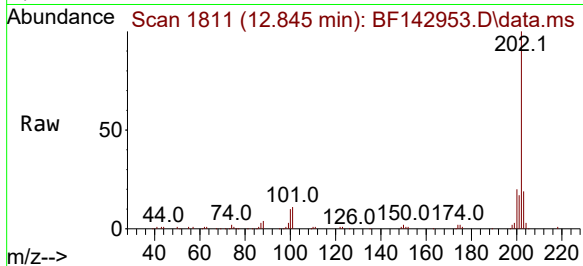




#78
Pyrene
Concen: 5.209 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

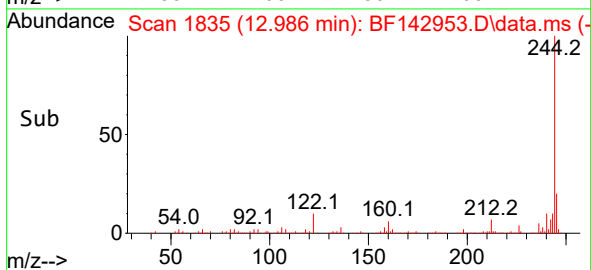
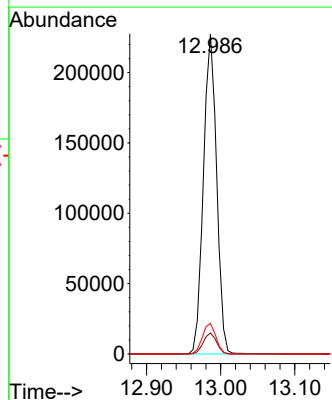
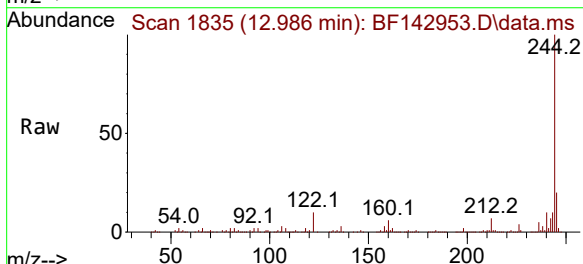
Instrument :
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ClientSampleId :
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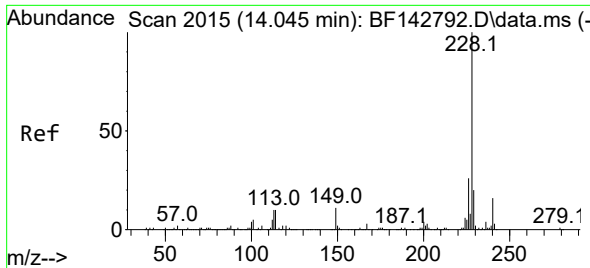
Tgt Ion:202 Resp: 68347
Ion Ratio Lower Upper
202 100
200 19.5 15.7 23.5
203 18.7 13.8 20.6



#79
Terphenyl-d14
Concen: 27.791 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:244 Resp: 281541
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 9.6 8.2 12.2

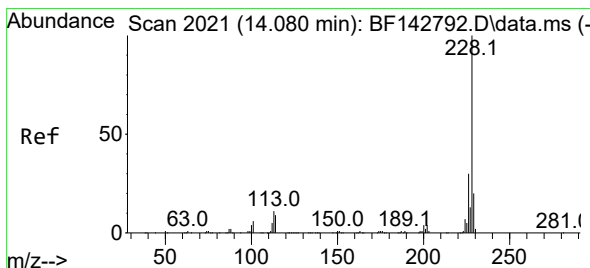
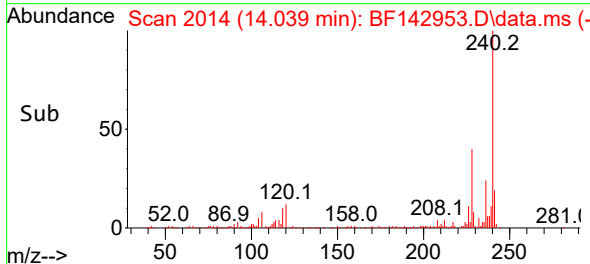
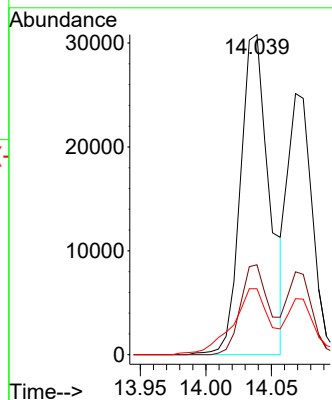
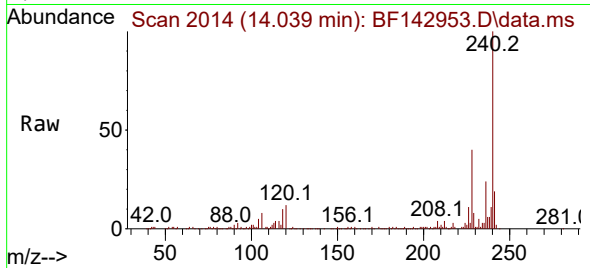




#81
Benzo(a)anthracene
Concen: 4.990 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

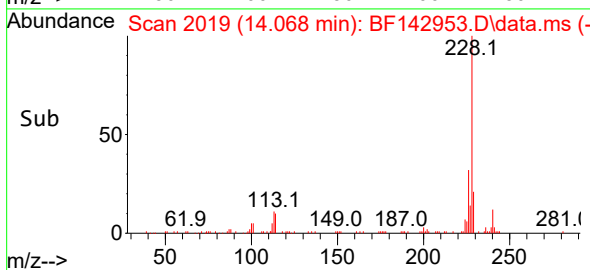
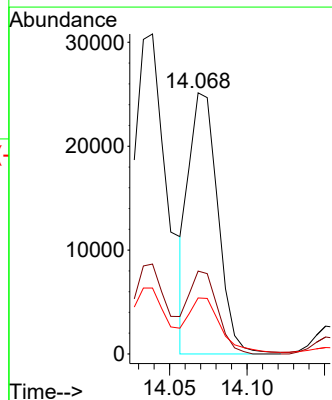
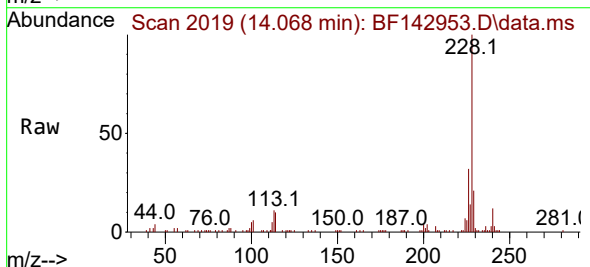
Instrument :
BNA_F
ClientSampleId :
WC-1

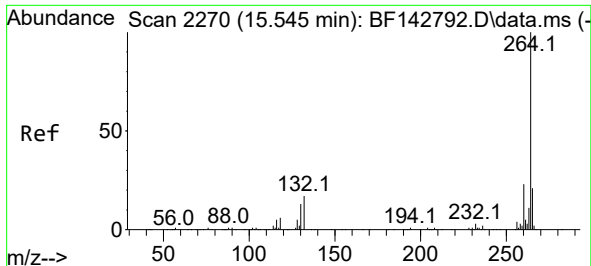
Tgt Ion:228 Resp: 47123
Ion Ratio Lower Upper
228 100
226 28.1 21.2 31.8
229 20.6 15.6 23.4



#83
Chrysene
Concen: 3.897 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:228 Resp: 32838
Ion Ratio Lower Upper
228 100
226 31.7 23.7 35.5
229 21.5 15.7 23.5

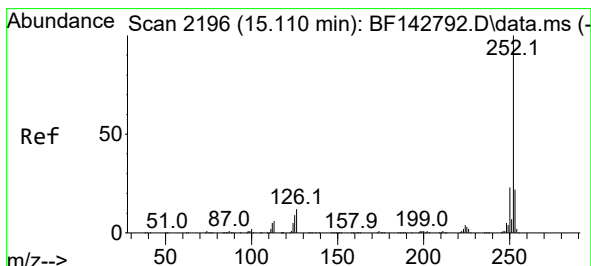
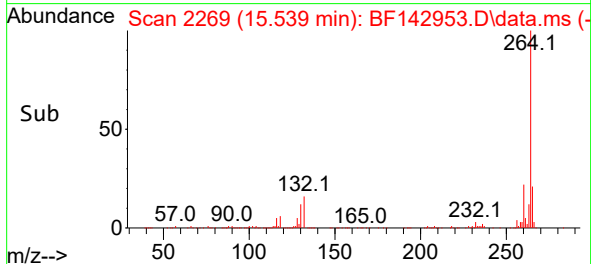
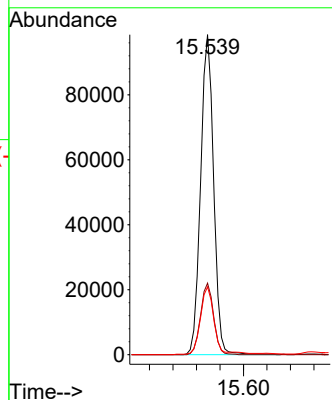
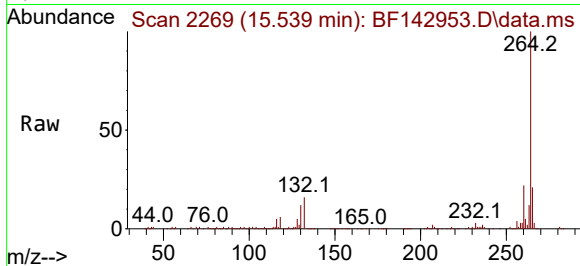




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

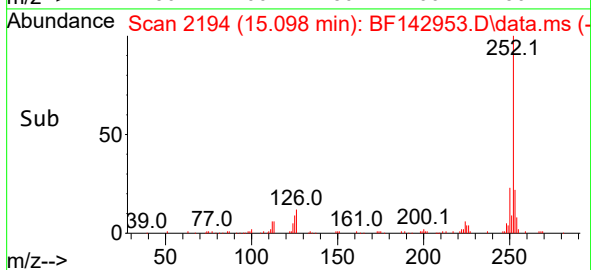
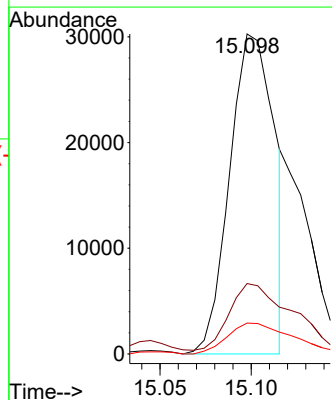
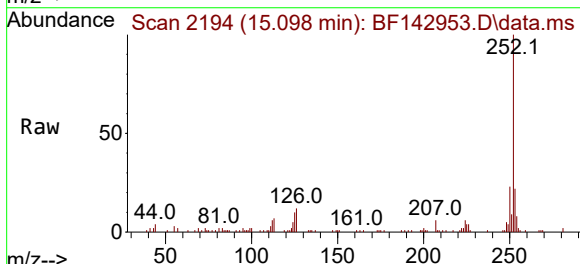
Instrument :
BNA_F
ClientSampleId :
WC-1

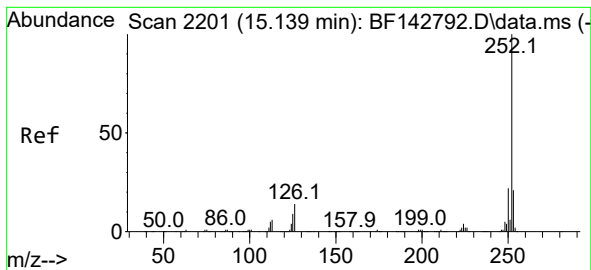
Tgt Ion:264 Resp: 151029
Ion Ratio Lower Upper
264 100
260 22.3 18.1 27.1
265 21.2 16.6 25.0



#88
Benzo(b)fluoranthene
Concen: 5.945 ng m
RT: 15.098 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:252 Resp: 51955
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 2.303 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

Instrument :

BNA_F

ClientSampleId :

WC-1

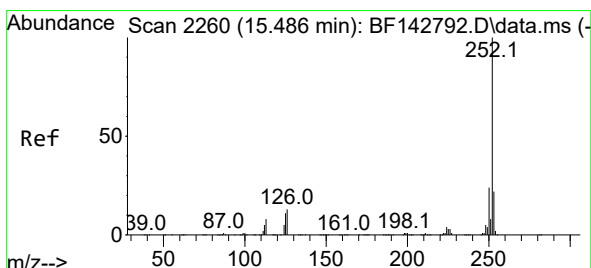
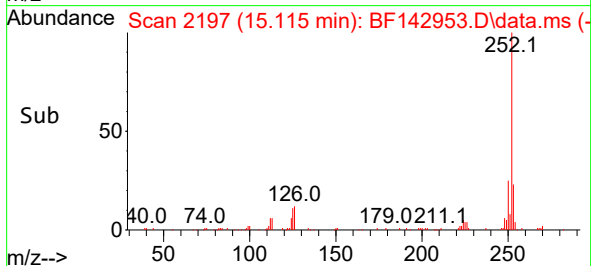
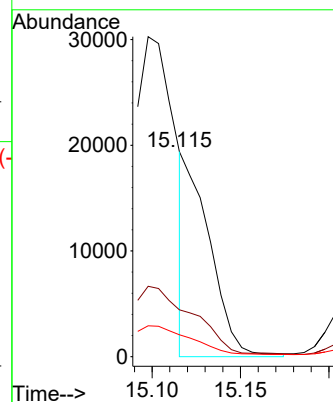
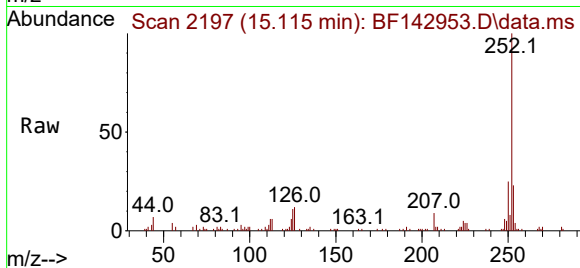
Tgt Ion:252 Resp: 18828

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 10.7 7.4 11.2



#90

Benzo(a)pyrene

Concen: 4.360 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

Tgt Ion:252 Resp: 36814

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.6 8.6 12.8

