

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031425\
 Data File : BF141970.D
 Acq On : 14 Mar 2025 17:36
 Operator : RC/JU
 Sample : Q1556-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-031225

Quant Time: Mar 14 18:25:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

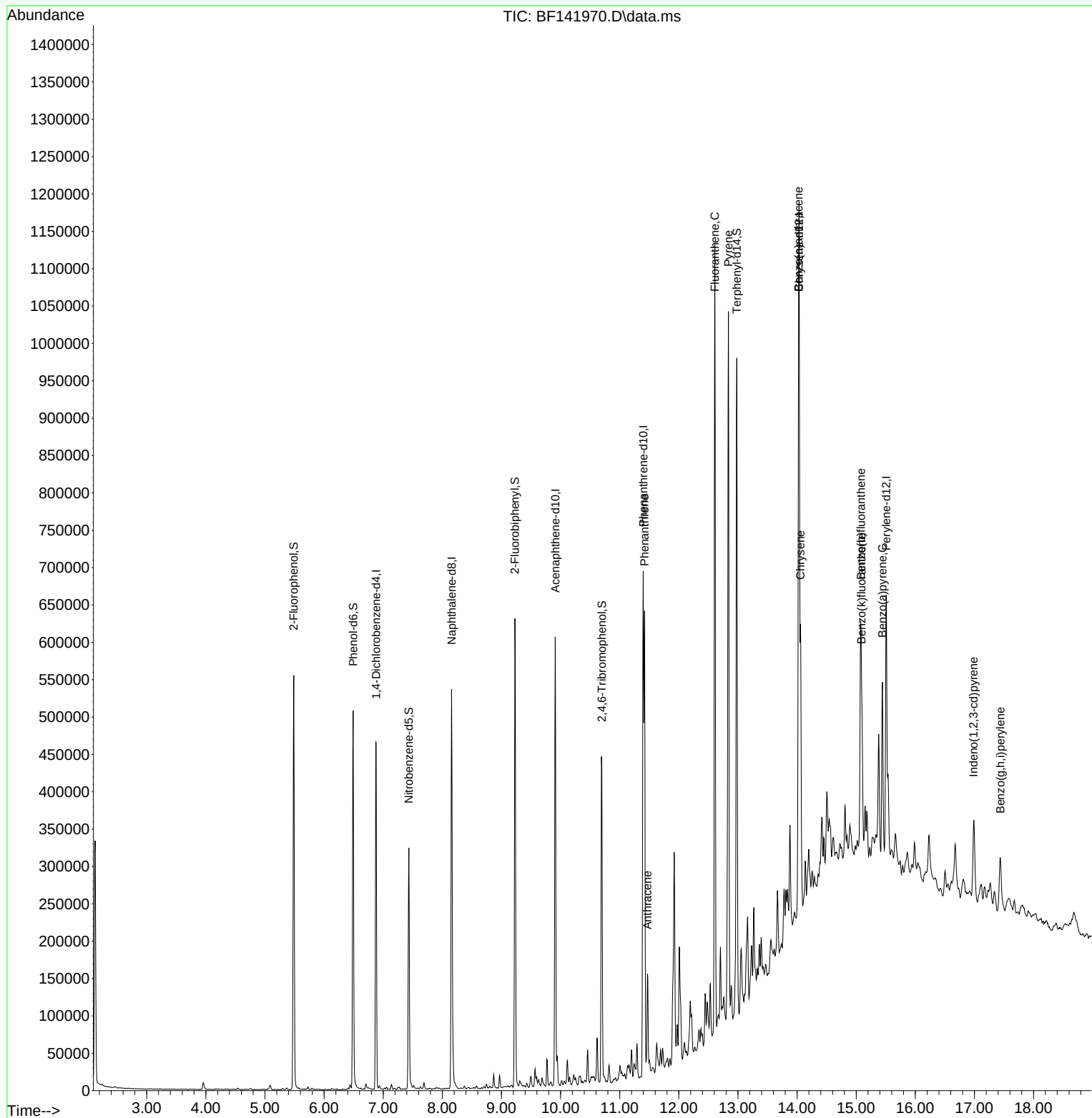
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	104582	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	342348	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	172771	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	334877	20.000	ng	0.00
76) Chrysene-d12	14.033	240	295838	20.000	ng	0.00
86) Perylene-d12	15.509	264	217100	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	209096	33.368	ng	0.00
7) Phenol-d6	6.492	99	233787	29.303	ng	-0.01
23) Nitrobenzene-d5	7.434	82	145846	23.974	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	74528	34.003	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	276905	24.374	ng	-0.01
79) Terphenyl-d14	12.980	244	434077	21.693	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.421	178	324878	17.961	ng	98
72) Anthracene	11.469	178	80162	4.417	ng	99
75) Fluoranthene	12.610	202	586475	30.566	ng	100
78) Pyrene	12.839	202	543808	21.251	ng	99
81) Benzo(a)anthracene	14.027	228	290460	14.962	ng	96
83) Chrysene	14.057	228	187367	10.648	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	79930	5.691	ng	96
88) Benzo(b)fluoranthene	15.080	252	207592m	13.952	ng	
89) Benzo(k)fluoranthene	15.092	252	74993m	5.890	ng	
90) Benzo(a)pyrene	15.445	252	145672	12.512	ng	97
92) Benzo(g,h,i)perylene	17.439	276	75731	6.614	ng	97

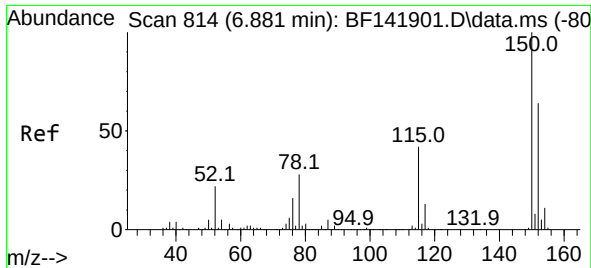
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031425\
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Quant Time: Mar 14 18:25:09 2025
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QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

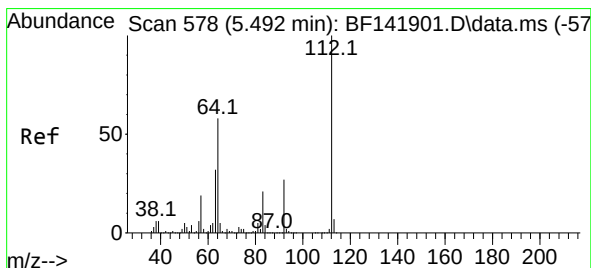
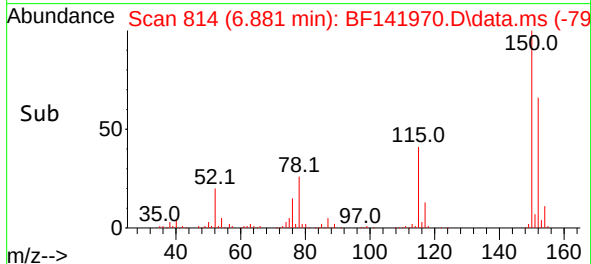
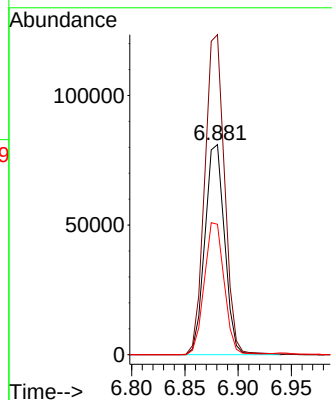
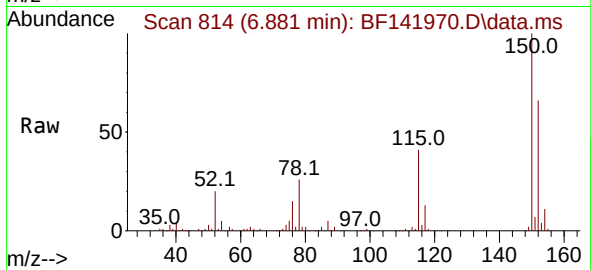




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

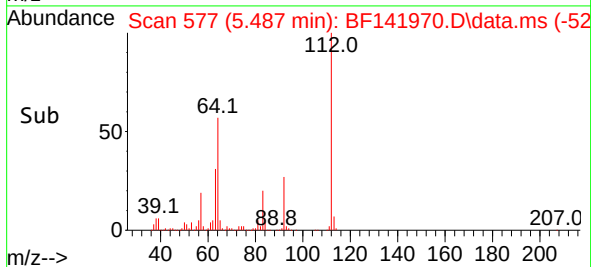
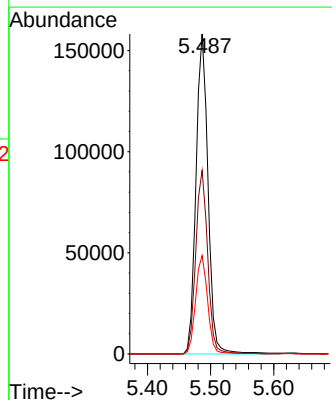
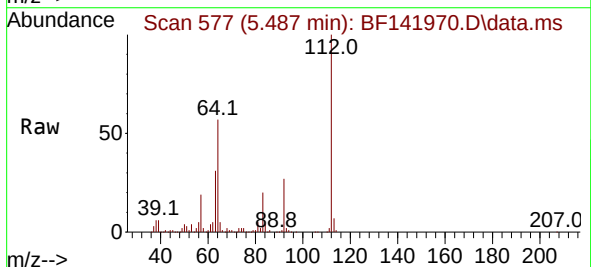
Instrument :
BNA_F
ClientSampleId :
OR-02-031225

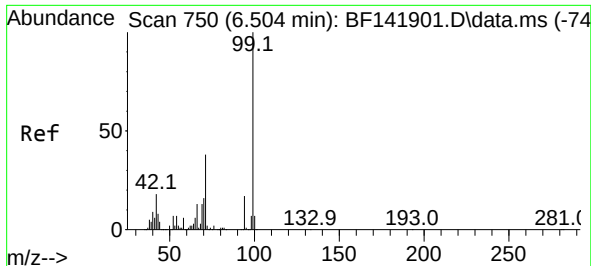
Tgt Ion:152 Resp: 104582
Ion Ratio Lower Upper
152 100
150 152.3 127.4 191.2
115 62.1 51.9 77.9



#5
2-Fluorophenol
Concen: 33.368 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

Tgt Ion:112 Resp: 209096
Ion Ratio Lower Upper
112 100
64 57.4 46.5 69.7
63 30.7 25.4 38.2

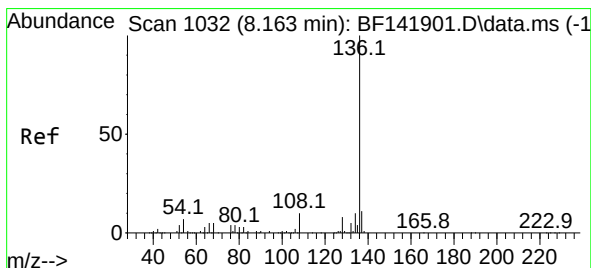
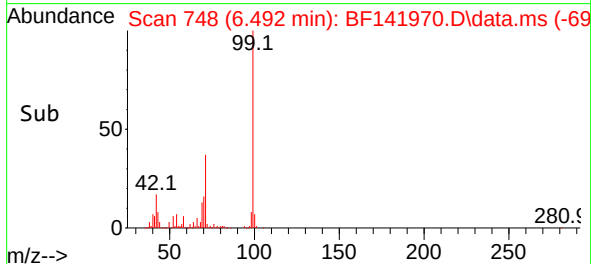
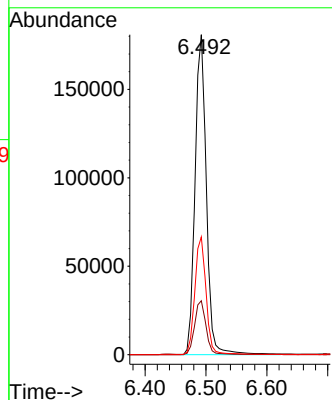
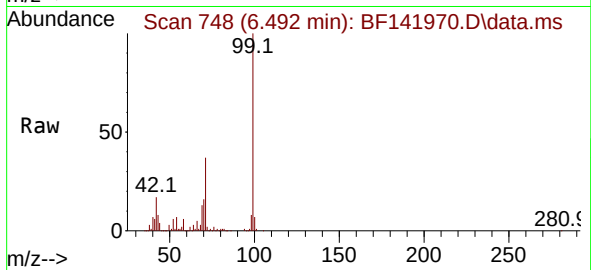




#7
Phenol-d6
Concen: 29.303 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

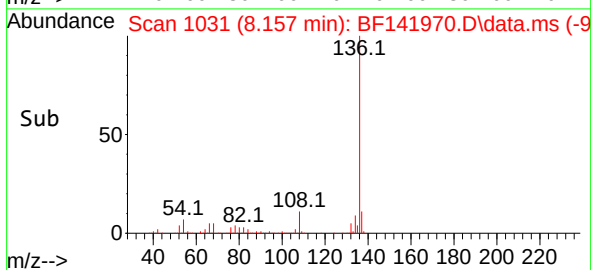
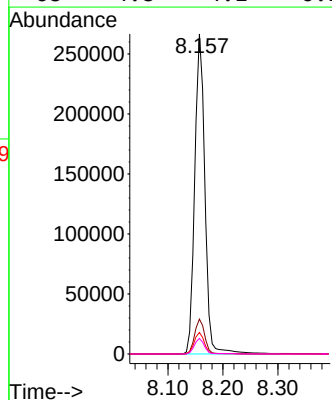
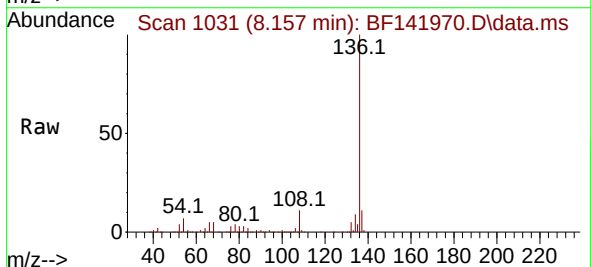
Instrument :
BNA_F
ClientSampleId :
OR-02-031225

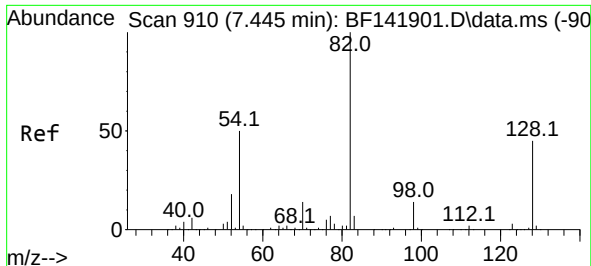
Tgt Ion: 99 Resp: 233787
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 36.8 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

Tgt Ion:136 Resp: 342348
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.7 5.8 8.8
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 23.974 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

OR-02-031225

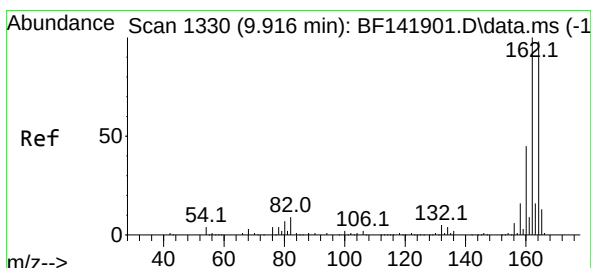
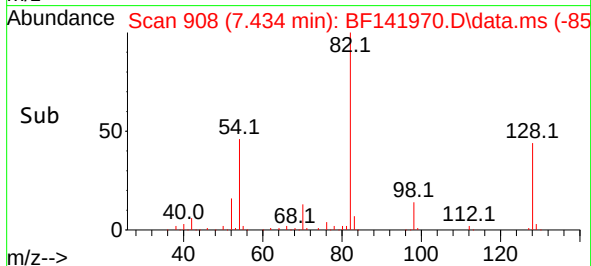
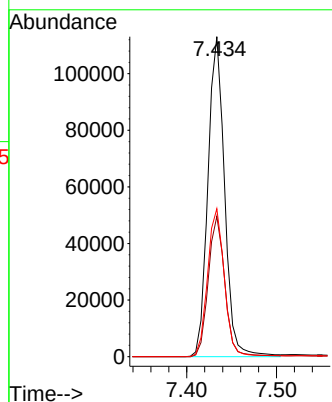
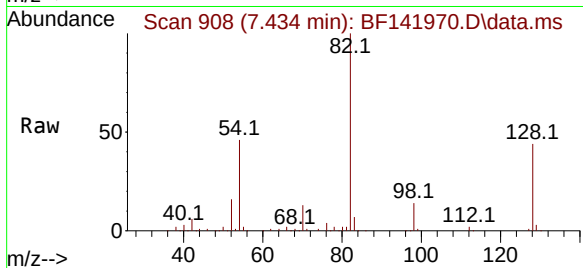
Tgt Ion: 82 Resp: 145846

Ion Ratio Lower Upper

82 100

128 43.9 36.0 54.0

54 46.3 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

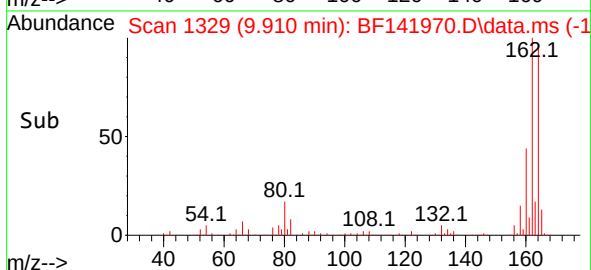
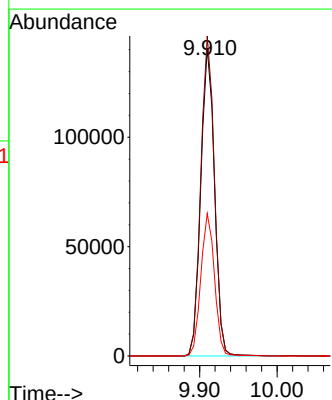
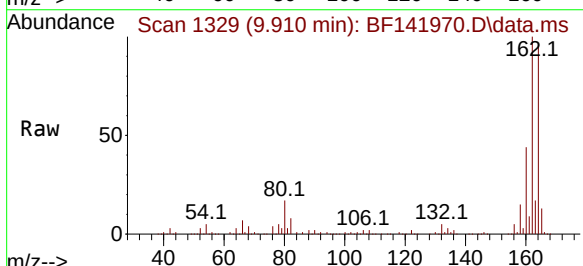
Tgt Ion:164 Resp: 172771

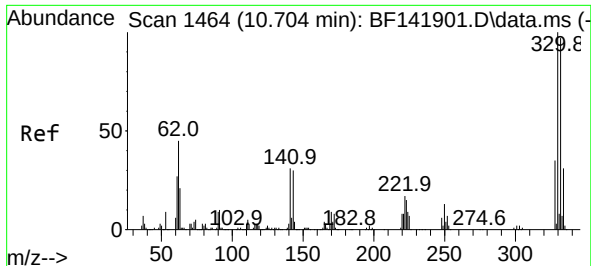
Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.6

160 46.2 36.7 55.1

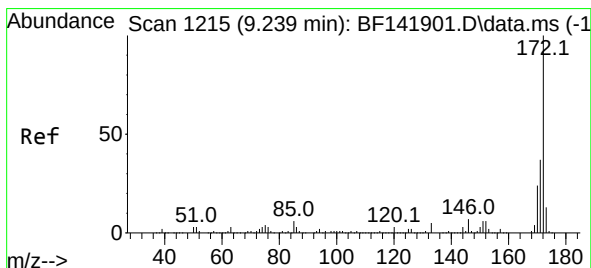
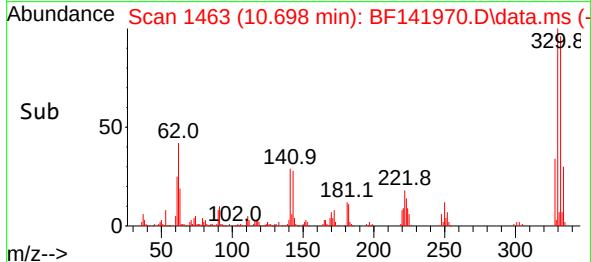
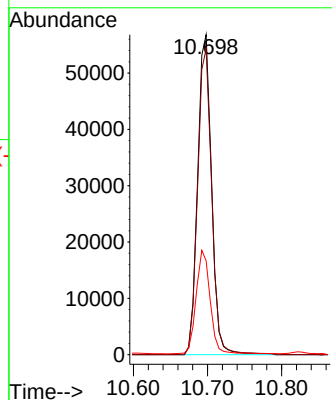
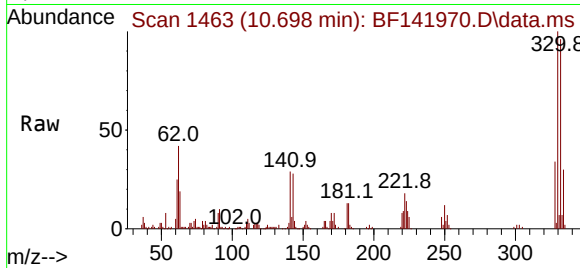




#42
2,4,6-Tribromophenol
Concen: 34.003 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

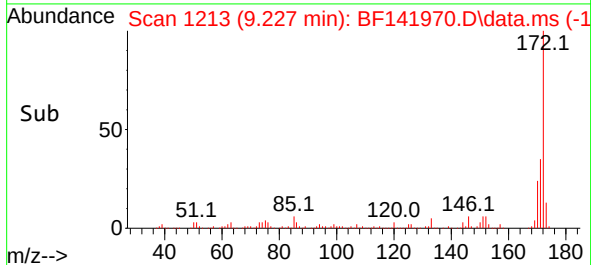
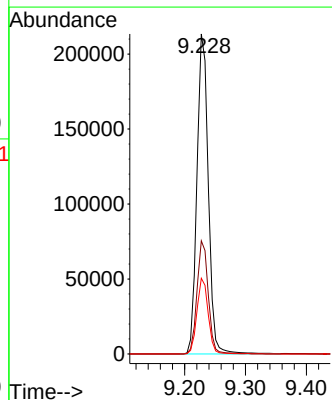
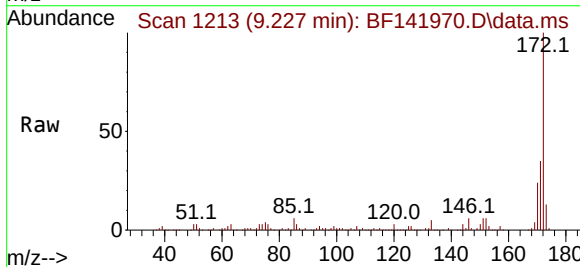
Instrument :
BNA_F
ClientSampleId :
OR-02-031225

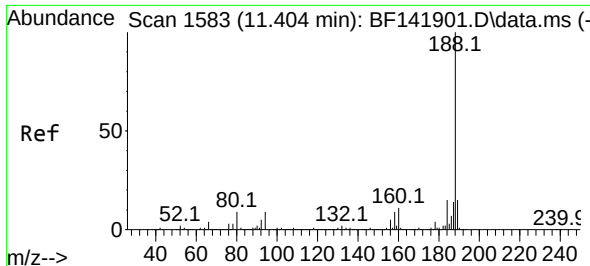
Tgt Ion:330 Resp: 74528
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 32.8 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 24.374 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

Tgt Ion:172 Resp: 276905
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 23.6 19.4 29.0

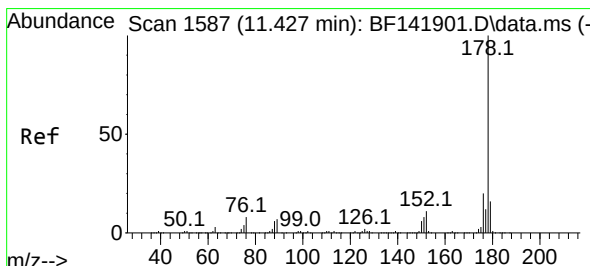
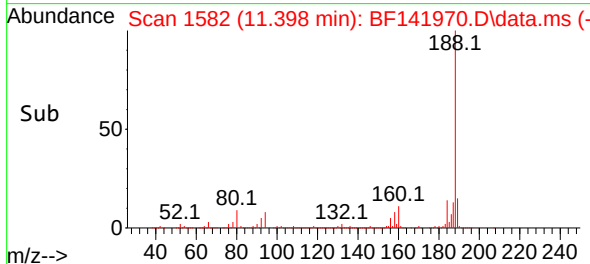
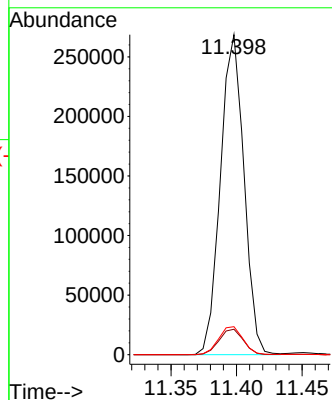
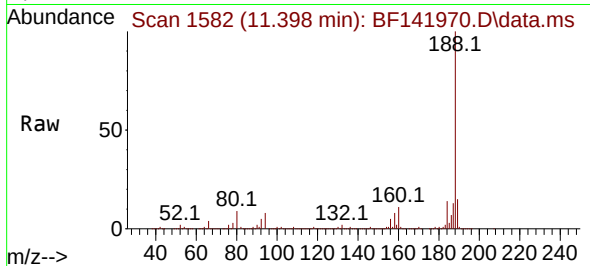




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

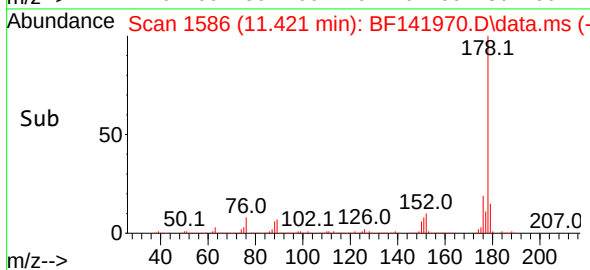
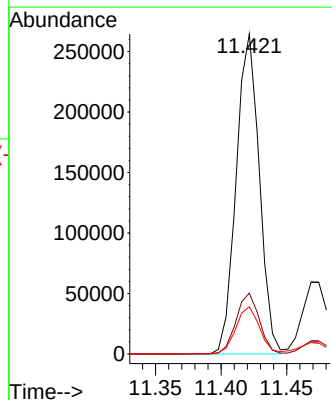
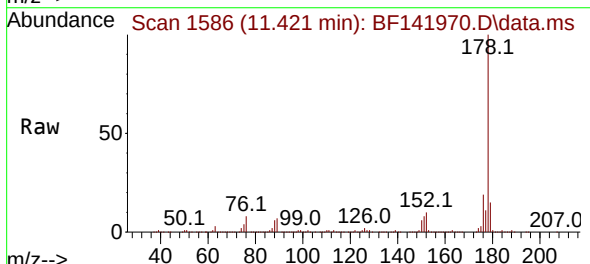
Instrument :
BNA_F
ClientSampleId :
OR-02-031225

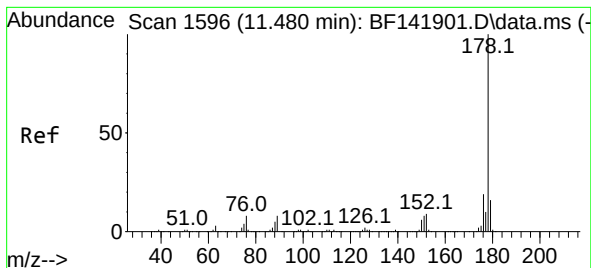
Tgt Ion:188 Resp: 334877
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.8 7.6 11.4



#71
Phenanthrene
Concen: 17.961 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

Tgt Ion:178 Resp: 324878
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 14.8 12.6 19.0





#72

Anthracene

Concen: 4.417 ng

RT: 11.469 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

OR-02-031225

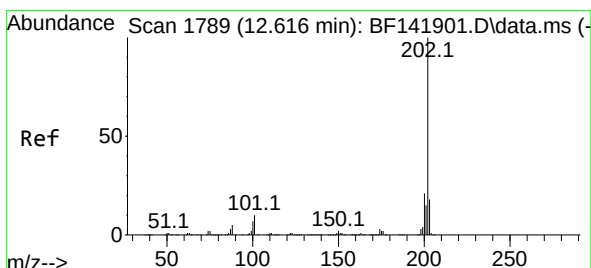
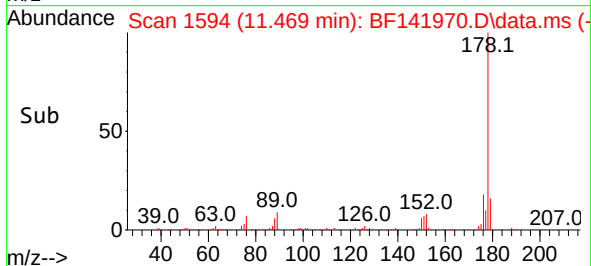
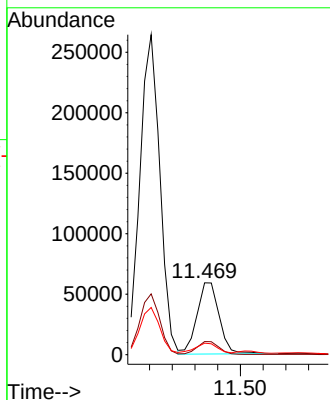
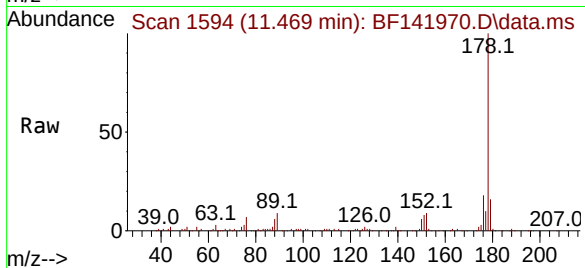
Tgt Ion:178 Resp: 80162

Ion Ratio Lower Upper

178 100

176 18.2 15.1 22.7

179 16.0 12.6 19.0



#75

Fluoranthene

Concen: 30.566 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

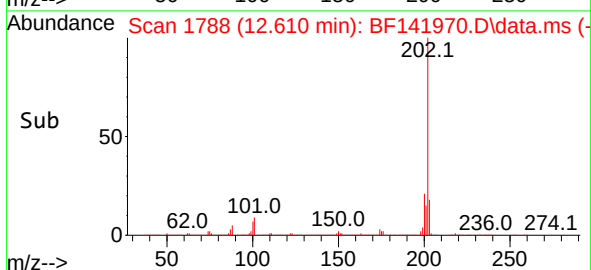
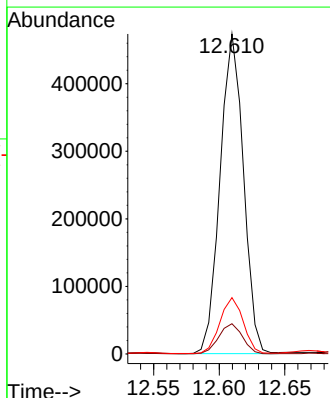
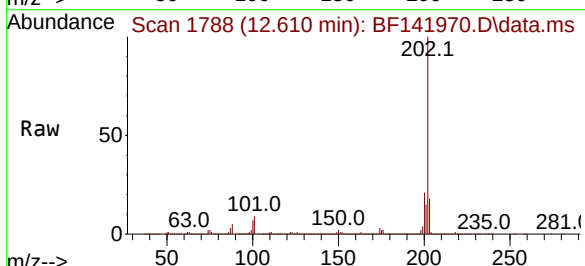
Tgt Ion:202 Resp: 586475

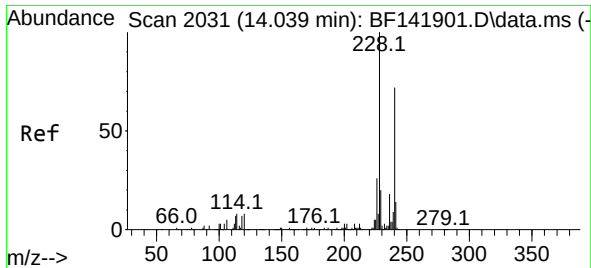
Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.7

203 17.6 0.0 37.8

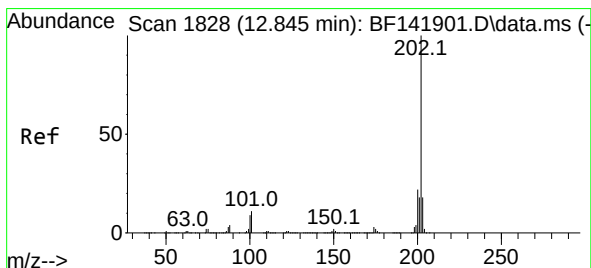
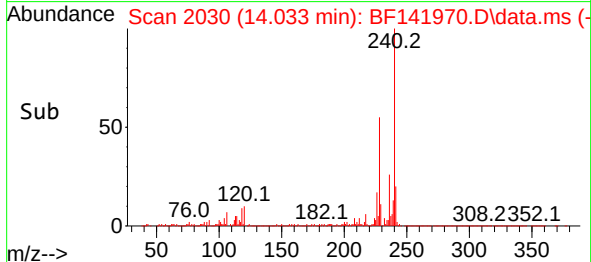
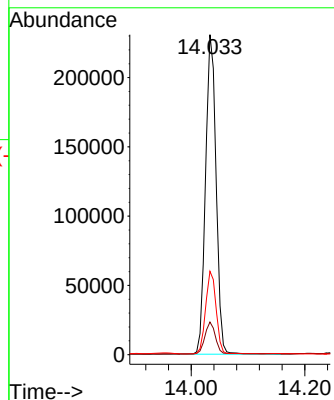
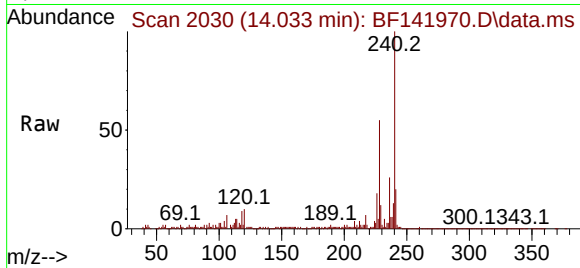




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

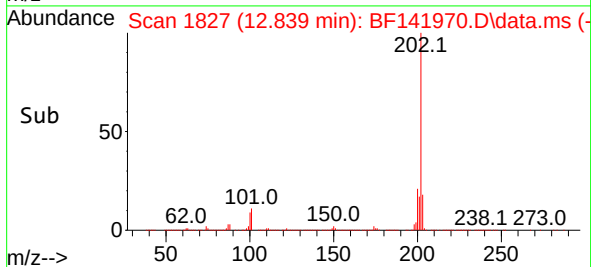
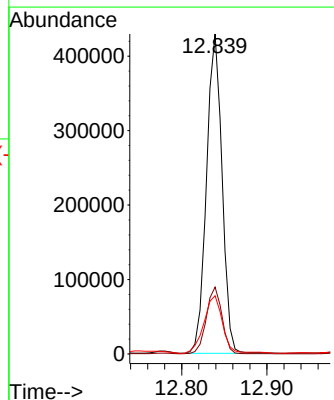
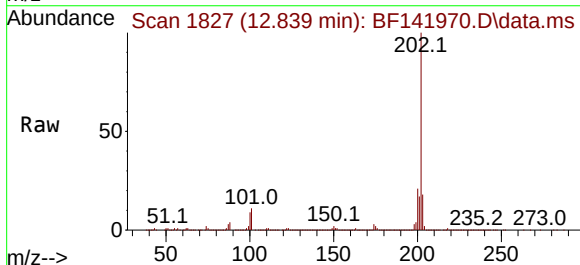
Instrument :
BNA_F
ClientSampleId :
OR-02-031225

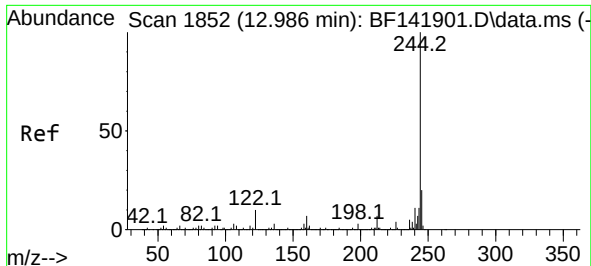
Tgt Ion:240 Resp: 295838
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 26.0 20.5 30.7



#78
Pyrene
Concen: 21.251 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141970.D
Acq: 14 Mar 2025 17:36

Tgt Ion:202 Resp: 543808
Ion Ratio Lower Upper
202 100
200 20.9 17.3 25.9
203 18.2 14.4 21.6

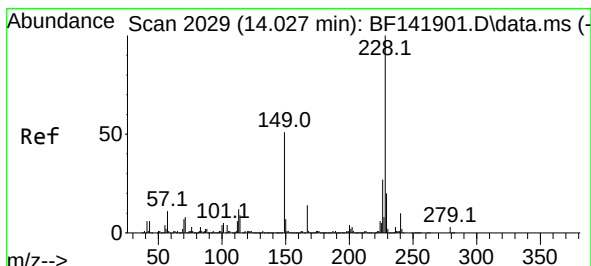
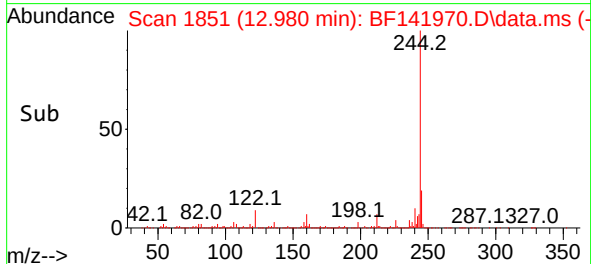
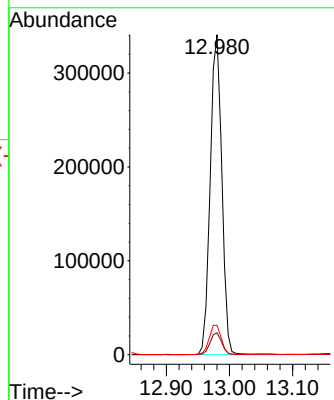
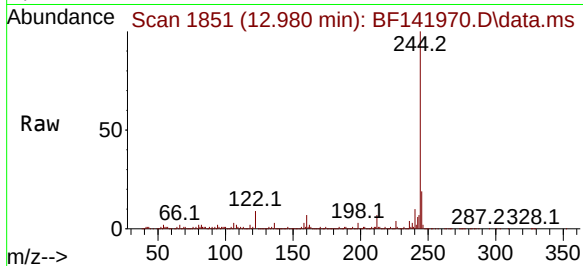




#79
 Terphenyl-d14
 Concen: 21.693 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF141970.D
 Acq: 14 Mar 2025 17:36

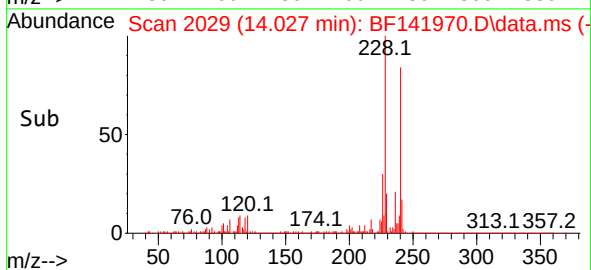
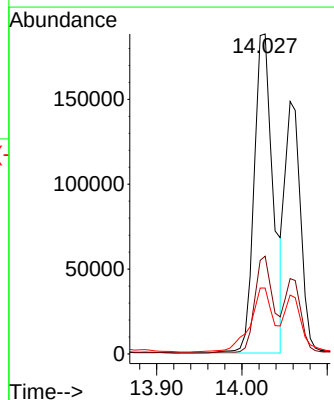
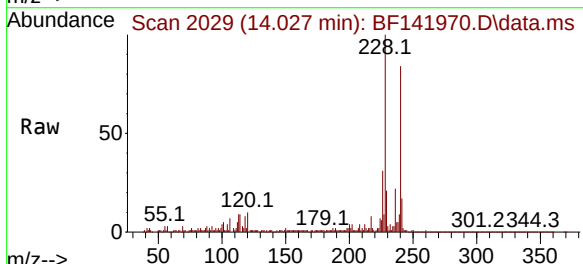
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-031225

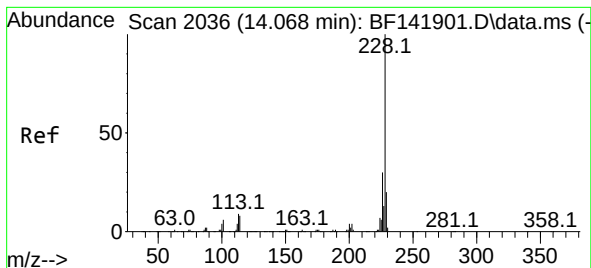
Tgt Ion:244 Resp: 434077
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.2 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 14.962 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF141970.D
 Acq: 14 Mar 2025 17:36

Tgt Ion:228 Resp: 290460
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.8 32.8
 229 20.6 16.0 24.0





#83

Chrysene

Concen: 10.648 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

OR-02-031225

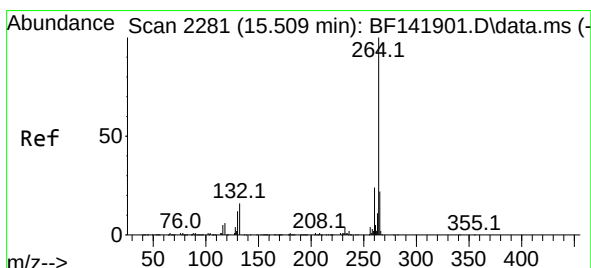
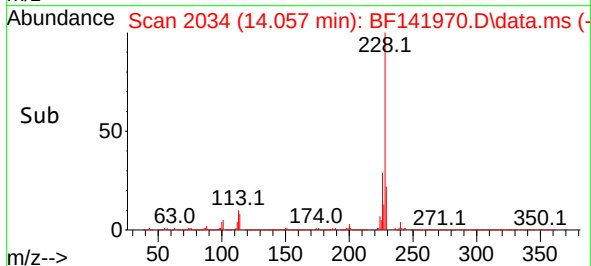
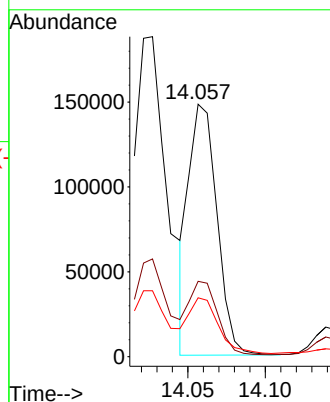
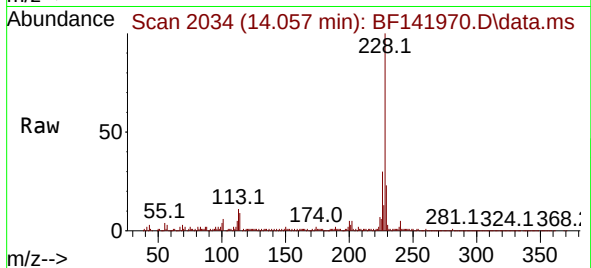
Tgt Ion:228 Resp: 187367

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 23.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

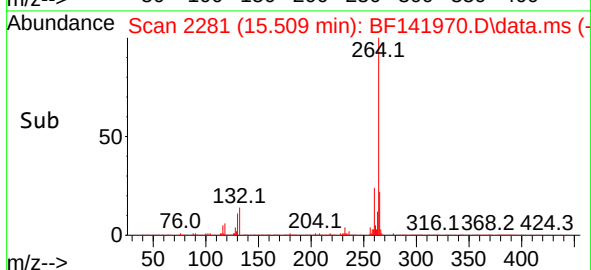
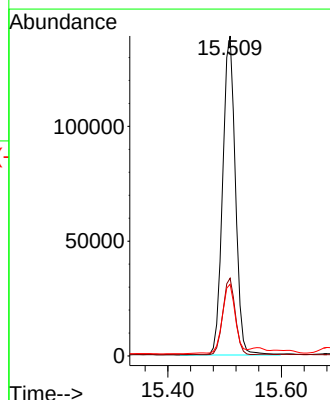
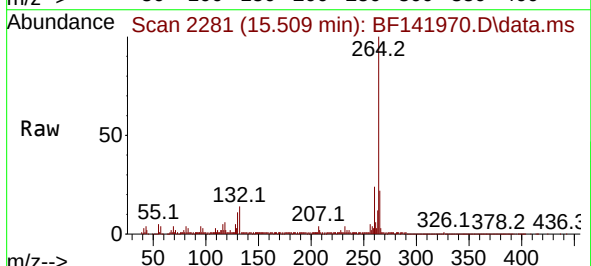
Tgt Ion:264 Resp: 217100

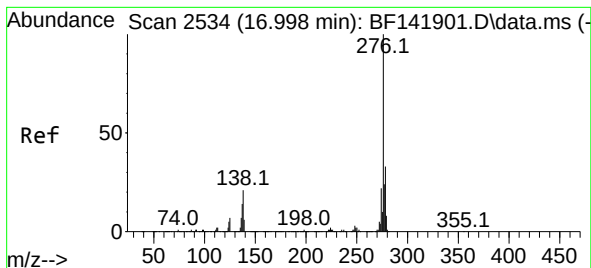
Ion Ratio Lower Upper

264 100

260 24.3 19.1 28.7

265 22.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.691 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

OR-02-031225

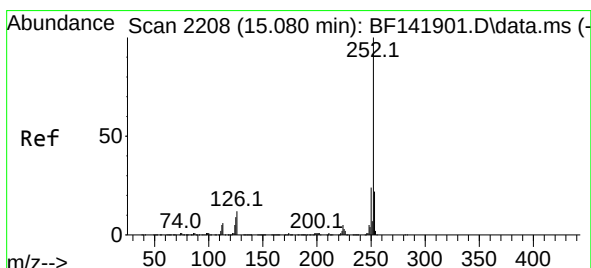
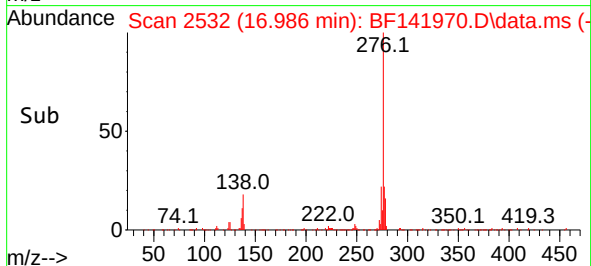
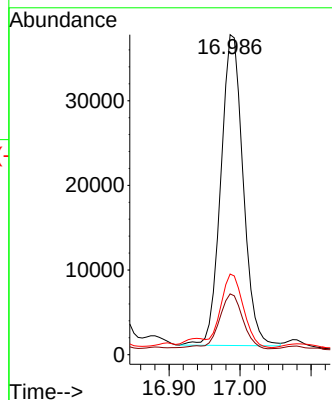
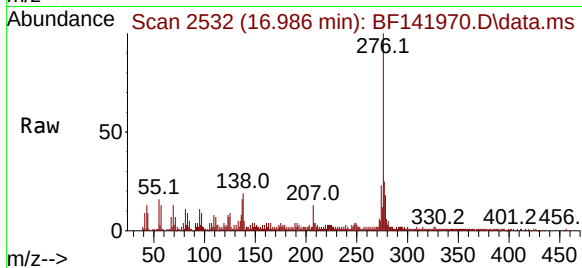
Tgt Ion:276 Resp: 79930

Ion Ratio Lower Upper

276 100

138 19.8 18.4 27.6

277 24.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 13.952 ng m

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

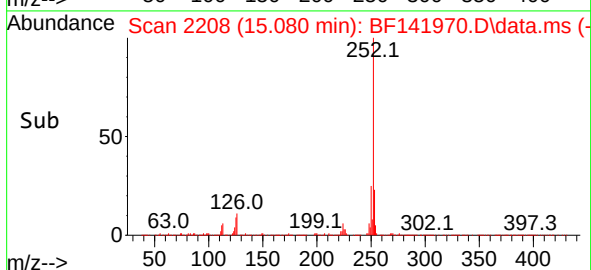
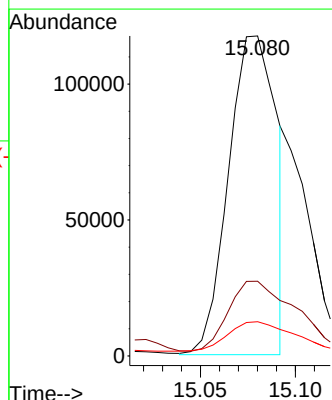
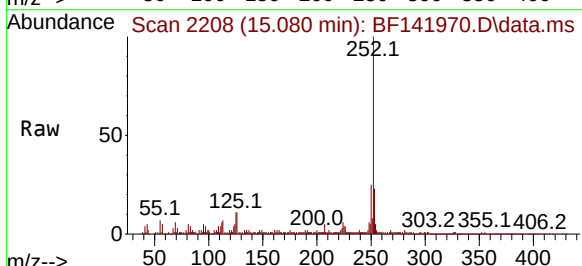
Tgt Ion:252 Resp: 207592

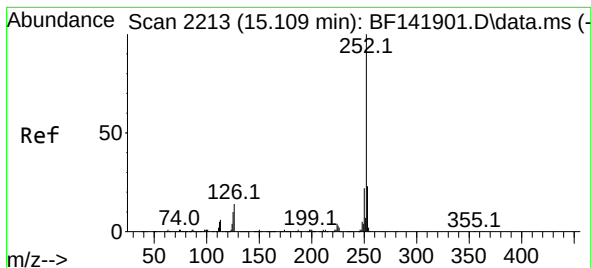
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 10.7 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 5.890 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

OR-02-031225

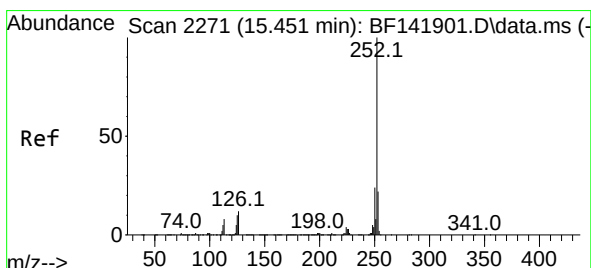
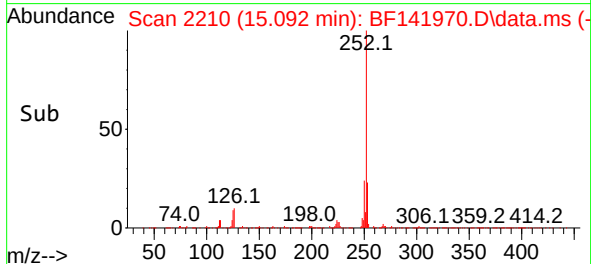
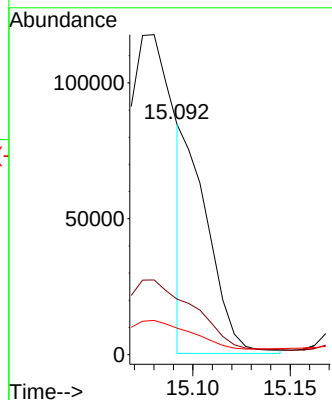
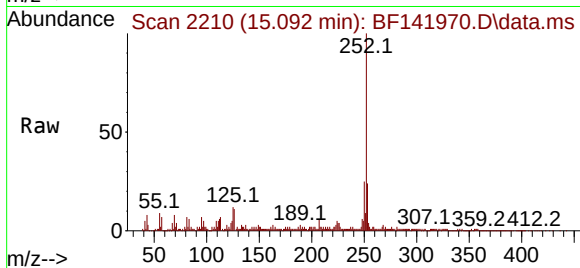
Tgt Ion:252 Resp: 74993

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 11.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 12.512 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141970.D

Acq: 14 Mar 2025 17:36

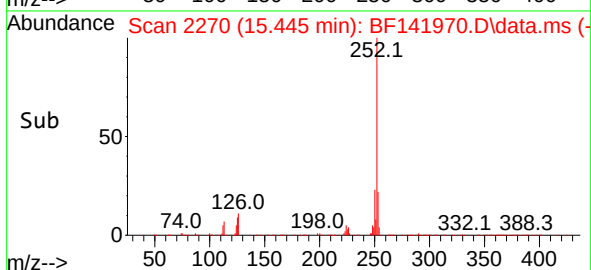
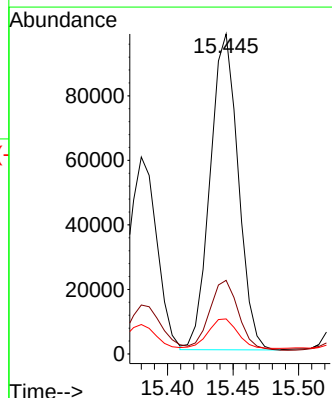
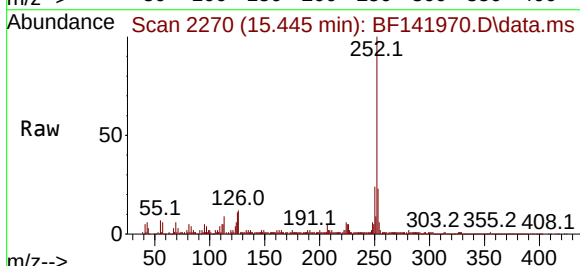
Tgt Ion:252 Resp: 145672

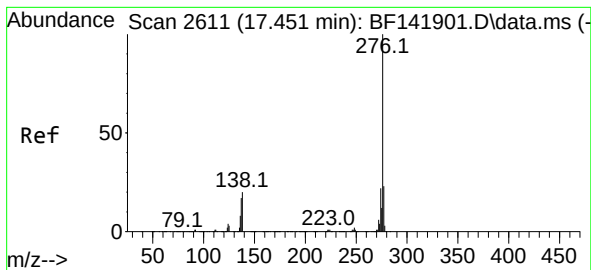
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 10.9 7.8 11.8





#92

Benzo(g,h,i)perylene

Concen: 6.614 ng

RT: 17.439 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141970.D

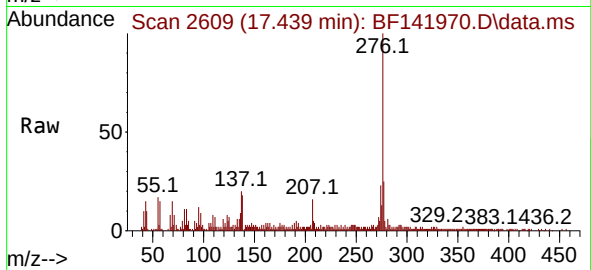
Acq: 14 Mar 2025 17:36

Instrument :

BNA_F

ClientSampleId :

OR-02-031225



Tgt Ion:276 Resp: 75731

Ion Ratio Lower Upper

276 100

277 24.6 18.7 28.1

138 17.9 15.8 23.8

