

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
 Data File : BF142021.D
 Acq On : 20 Mar 2025 20:05
 Operator : RC/JU
 Sample : Q1607-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031925

Quant Time: Mar 21 01:09:12 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)

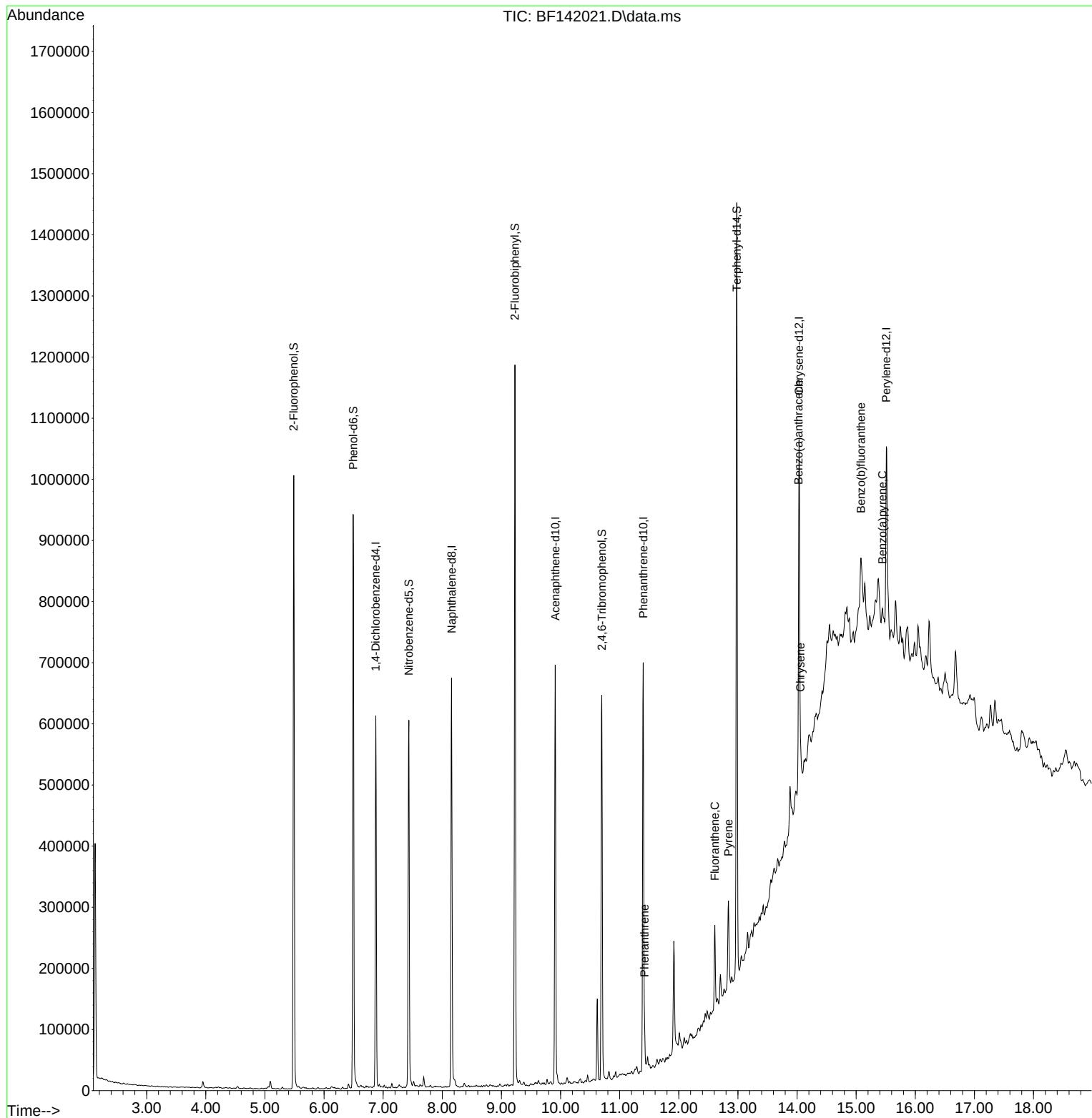
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	127761	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	435364	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	200221	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	343081	20.000	ng	0.00
76) Chrysene-d12	14.033	240	272773	20.000	ng	0.00
86) Perylene-d12	15.510	264	192911	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	381002	49.771	ng	0.00
7) Phenol-d6	6.493	99	441043	45.251	ng	-0.01
23) Nitrobenzene-d5	7.434	82	271902	35.147	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	114705	45.158	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	514335	39.067	ng	-0.01
79) Terphenyl-d14	12.980	244	625805	33.919	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.422	178	38099	2.056	ng	98
75) Fluoranthene	12.610	202	80860	4.114	ng	100
78) Pyrene	12.839	202	82714	3.506	ng	98
81) Benzo(a)anthracene	14.027	228	37100	2.073	ng	# 85
83) Chrysene	14.057	228	33346m	2.055	ng	
88) Benzo(b)fluoranthene	15.080	252	33036m	2.499	ng	
90) Benzo(a)pyrene	15.445	252	23421	2.264	ng	# 57

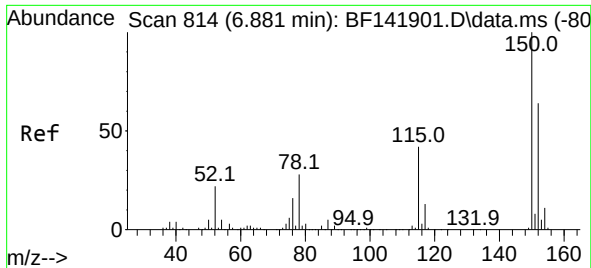
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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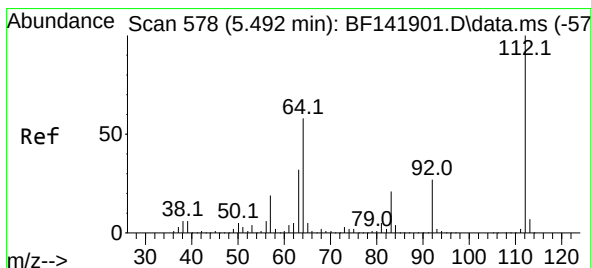
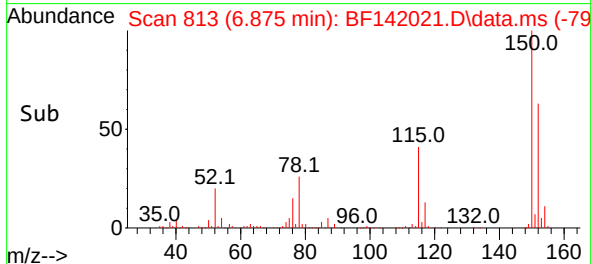
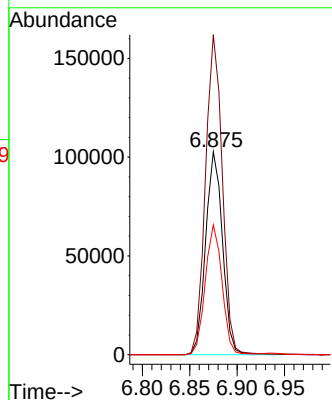
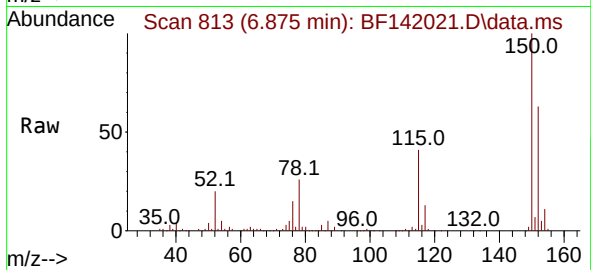




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142021.D
Acq: 20 Mar 2025 20:05

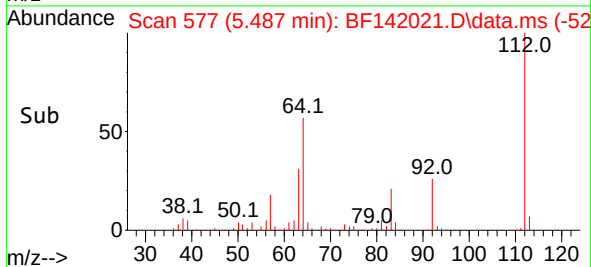
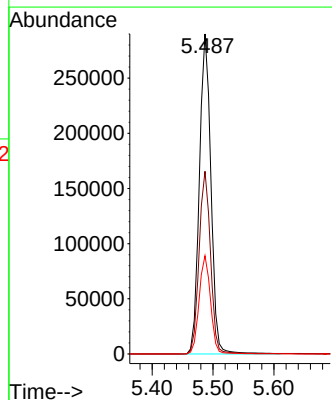
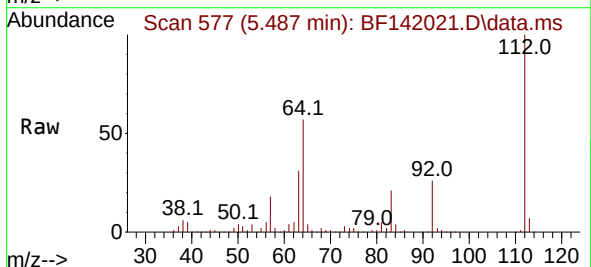
Instrument :
BNA_F
ClientSampleId :
OR-03-031925

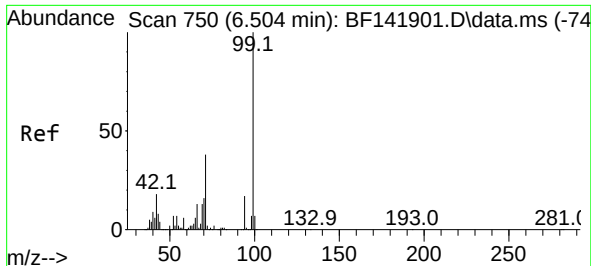
Tgt Ion:152 Resp: 127761
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.2
115 64.0 51.9 77.9



#5
2-Fluorophenol
Concen: 49.771 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142021.D
Acq: 20 Mar 2025 20:05

Tgt Ion:112 Resp: 381002
Ion Ratio Lower Upper
112 100
64 57.1 46.5 69.7
63 30.7 25.4 38.2

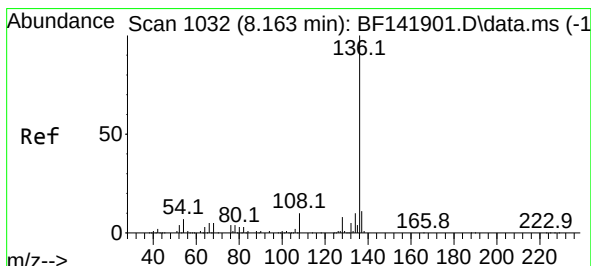
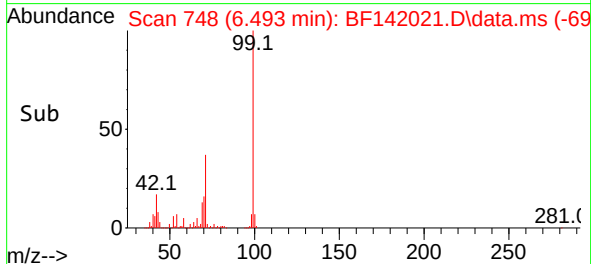
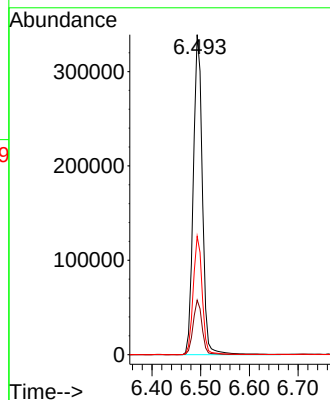
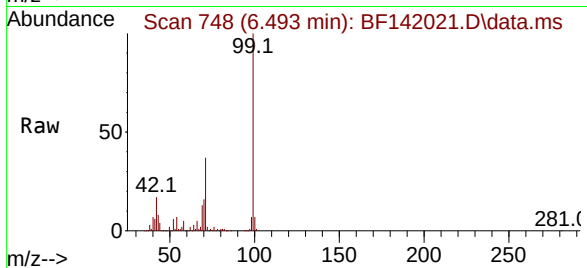




#7
Phenol-d6
Concen: 45.251 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142021.D
Acq: 20 Mar 2025 20:05

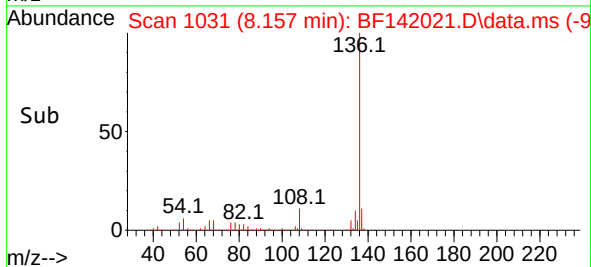
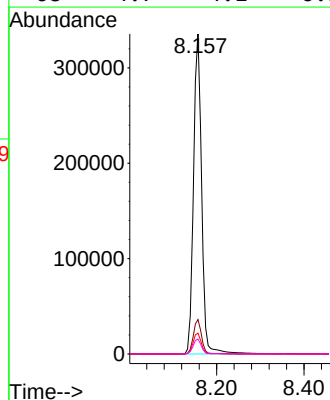
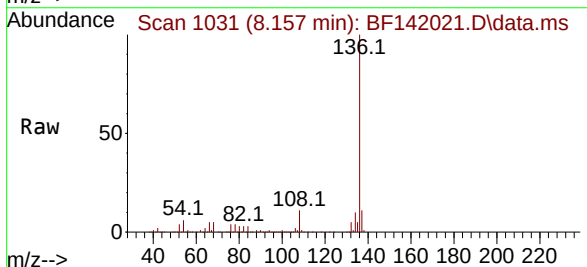
Instrument :
BNA_F
ClientSampleId :
OR-03-031925

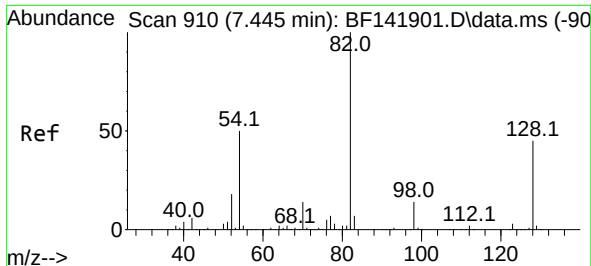
Tgt Ion: 99 Resp: 441043
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 37.0 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142021.D
Acq: 20 Mar 2025 20:05

Tgt Ion: 136 Resp: 435364
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.5 5.8 8.8
68 4.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 35.147 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

Instrument :

BNA_F

ClientSampleId :

OR-03-031925

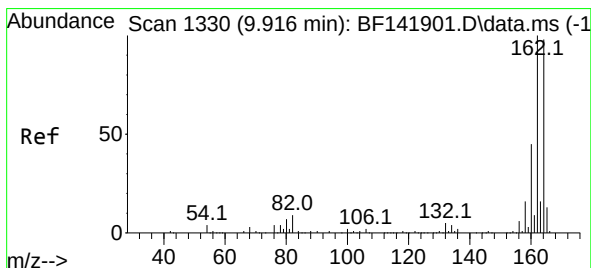
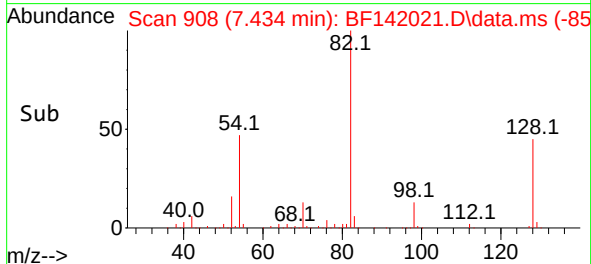
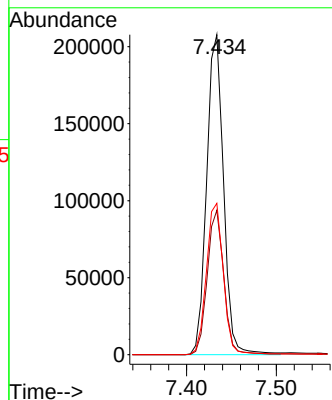
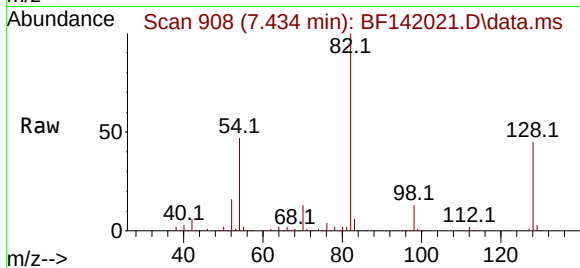
Tgt Ion: 82 Resp: 271902

Ion Ratio Lower Upper

82 100

128 45.1 36.0 54.0

54 47.3 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: BF142021.D

Acq: 20 Mar 2025 20:05

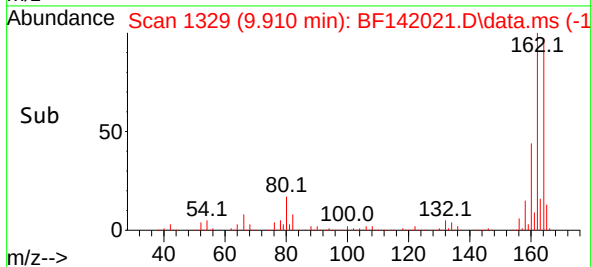
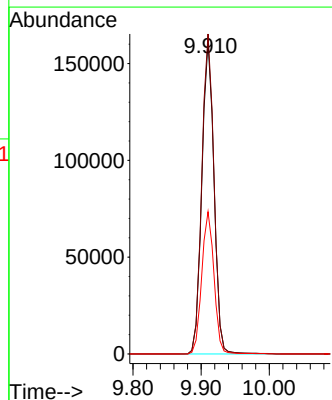
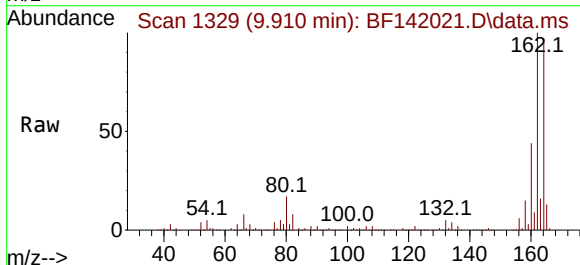
Tgt Ion:164 Resp: 200221

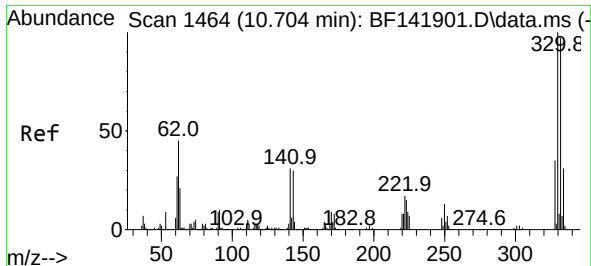
Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.6

160 45.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 45.158 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

Instrument :

BNA_F

ClientSampleId :

OR-03-031925

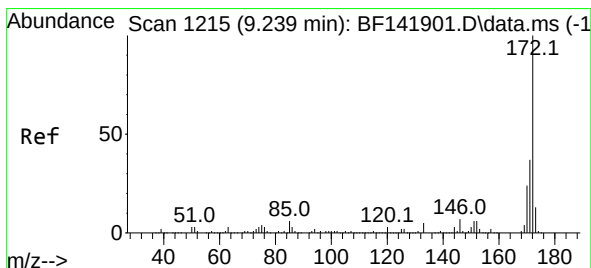
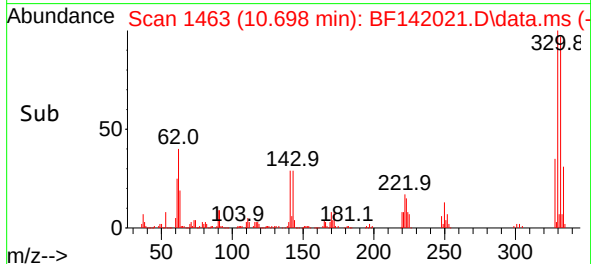
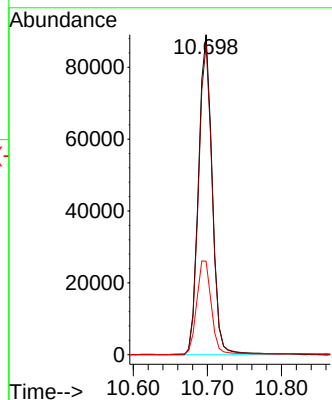
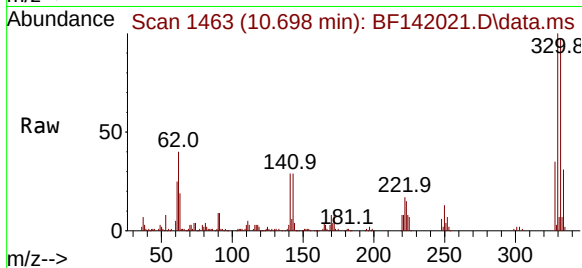
Tgt Ion:330 Resp: 114705

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 31.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 39.067 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

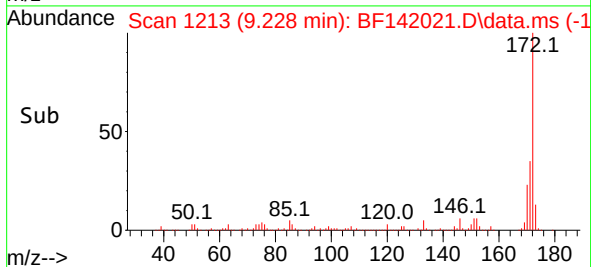
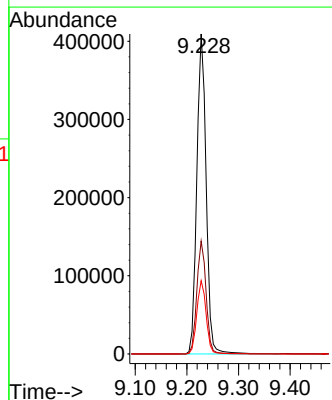
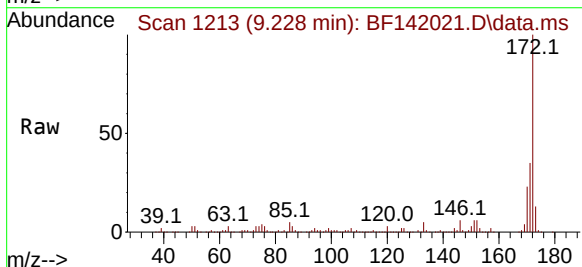
Tgt Ion:172 Resp: 514335

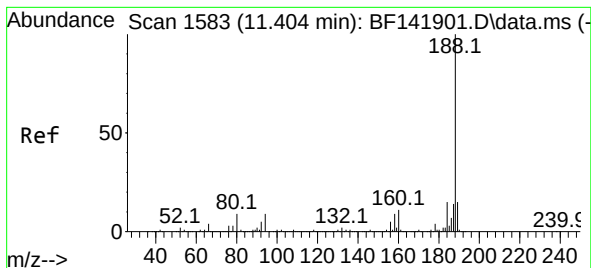
Ion Ratio Lower Upper

172 100

171 35.3 29.3 43.9

170 22.9 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: BF142021.D

Acq: 20 Mar 2025 20:05

Instrument :

BNA_F

ClientSampleId :

OR-03-031925

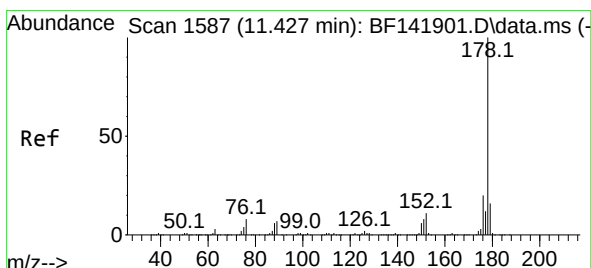
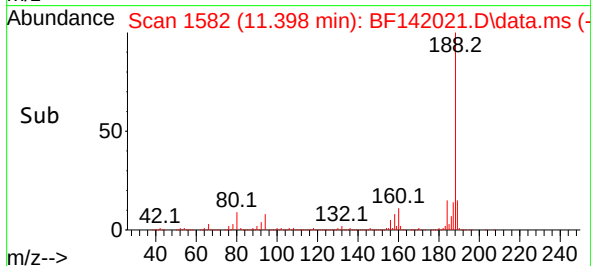
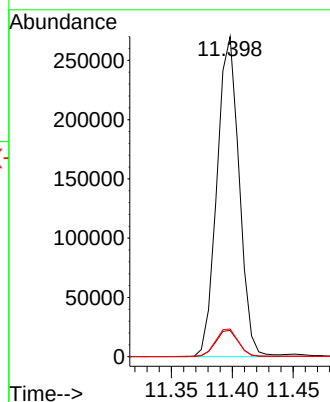
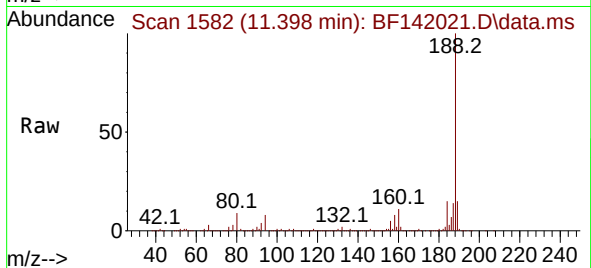
Tgt Ion:188 Resp: 343081

Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 8.7 7.6 11.4



#71

Phenanthrene

Concen: 2.056 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

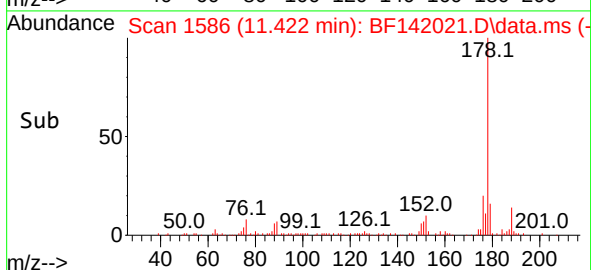
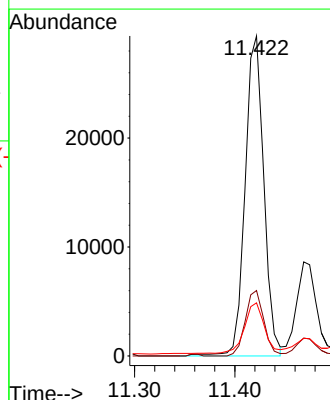
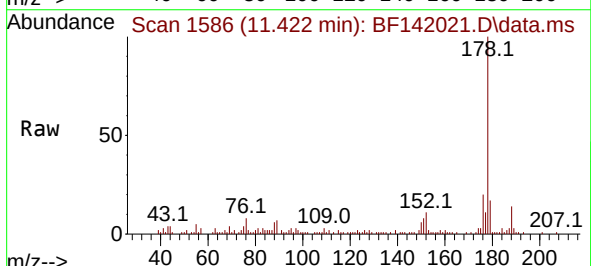
Tgt Ion:178 Resp: 38099

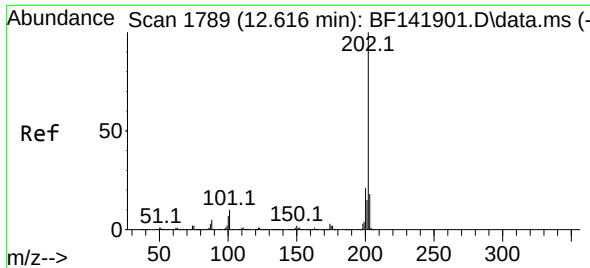
Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

179 16.6 12.6 19.0

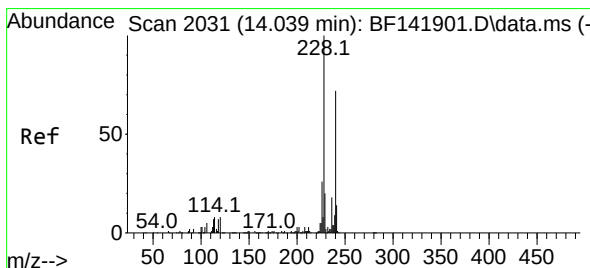
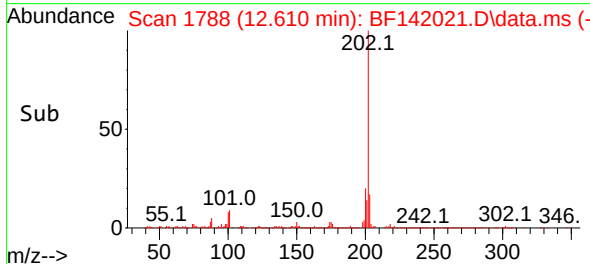
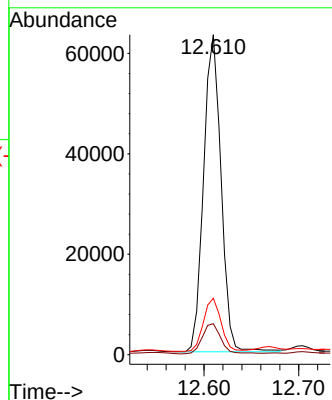
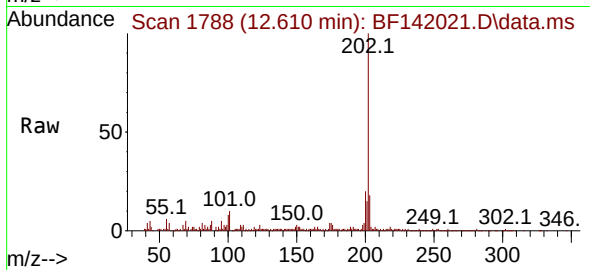




#75
Fluoranthene
Concen: 4.114 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142021.D
Acq: 20 Mar 2025 20:05

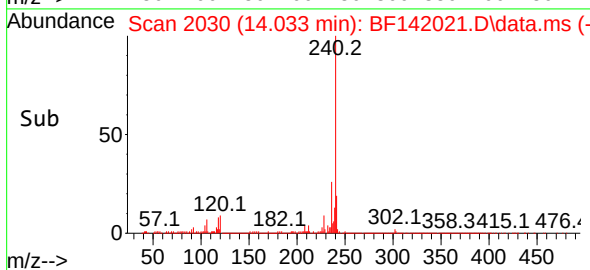
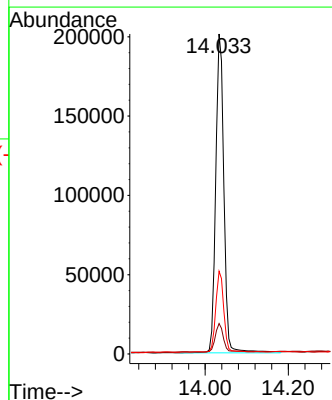
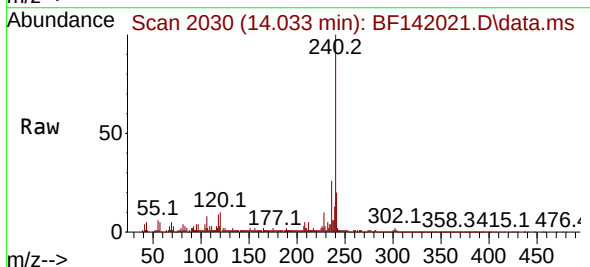
Instrument :
BNA_F
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OR-03-031925

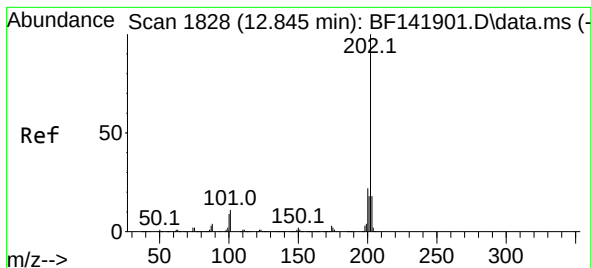
Tgt Ion:202 Resp: 80860
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142021.D
Acq: 20 Mar 2025 20:05

Tgt Ion:240 Resp: 272773
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 25.9 20.5 30.7





#78

Pyrene

Concen: 3.506 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

Instrument :

BNA_F

ClientSampleId :

OR-03-031925

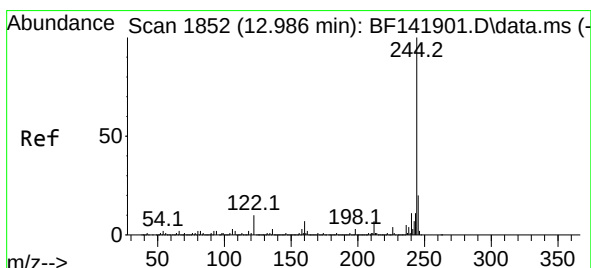
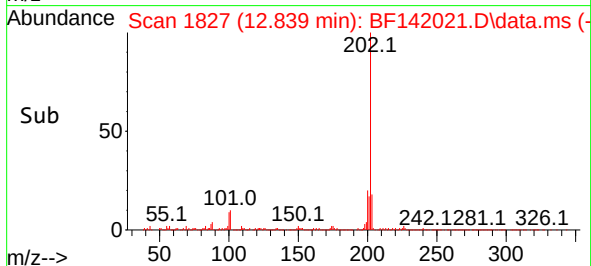
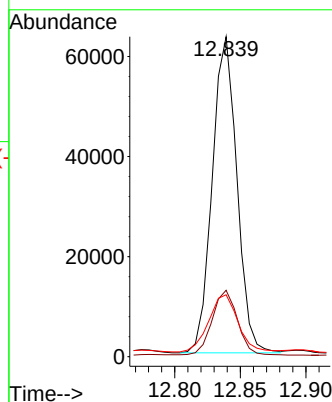
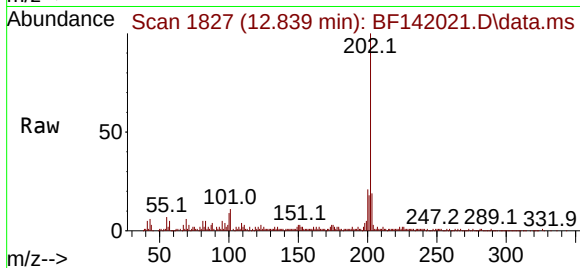
Tgt Ion:202 Resp: 82714

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 19.4 14.4 21.6



#79

Terphenyl-d14

Concen: 33.919 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

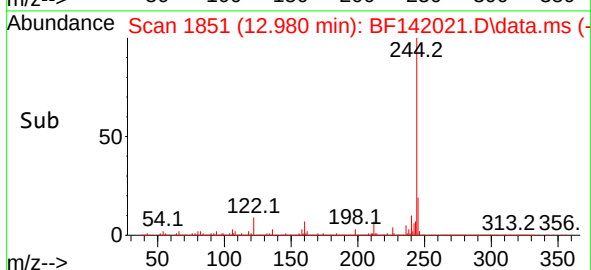
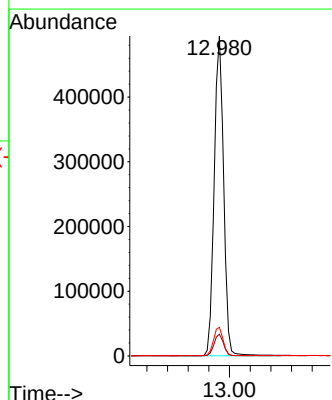
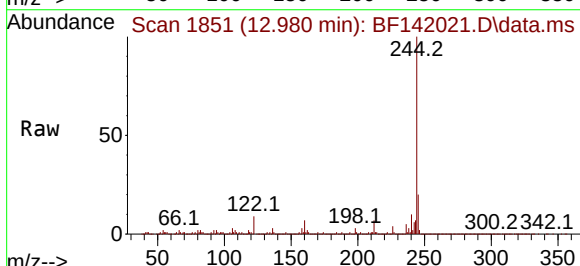
Tgt Ion:244 Resp: 625805

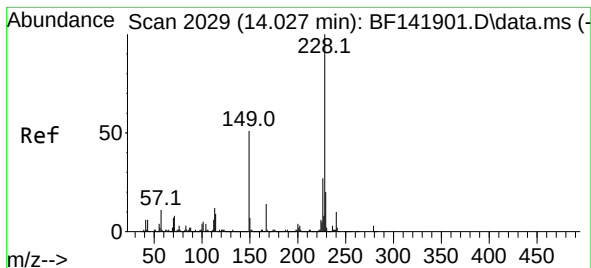
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 8.9 7.7 11.5





#81

Benzo(a)anthracene

Concen: 2.073 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

Instrument :

BNA_F

ClientSampleId :

OR-03-031925

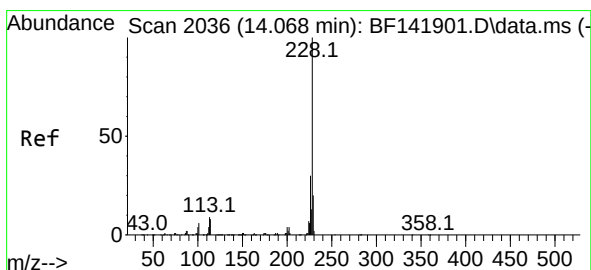
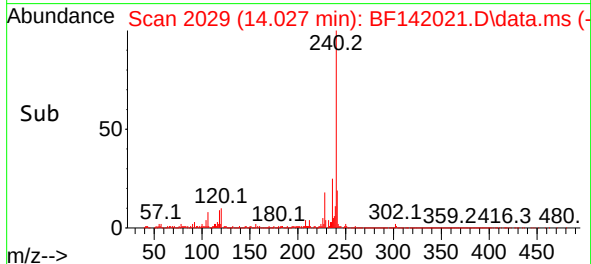
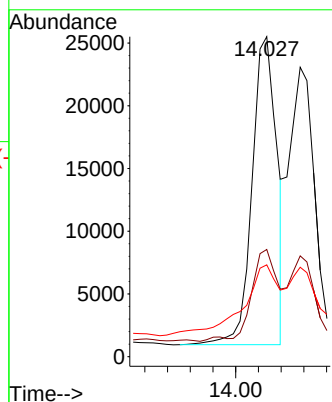
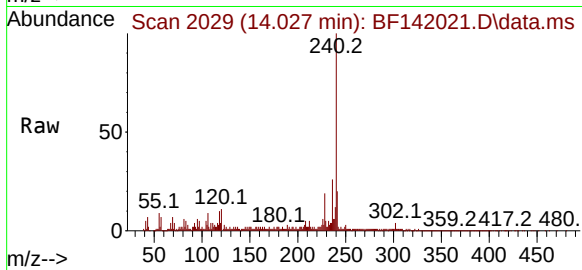
Tgt Ion:228 Resp: 37100

Ion Ratio Lower Upper

228 100

226 33.5 21.8 32.8#

229 28.7 16.0 24.0#



#83

Chrysene

Concen: 2.055 ng m

RT: 14.057 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

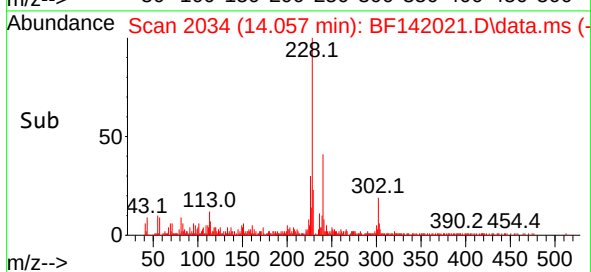
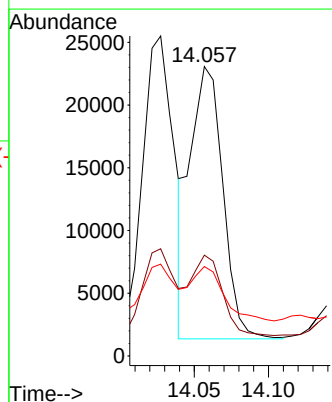
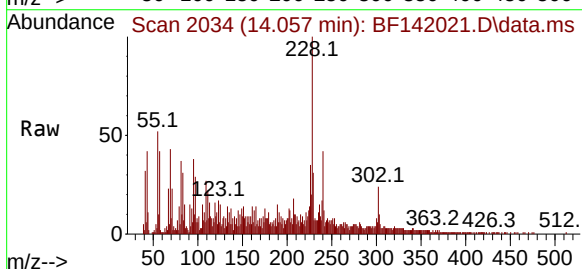
Tgt Ion:228 Resp: 33346

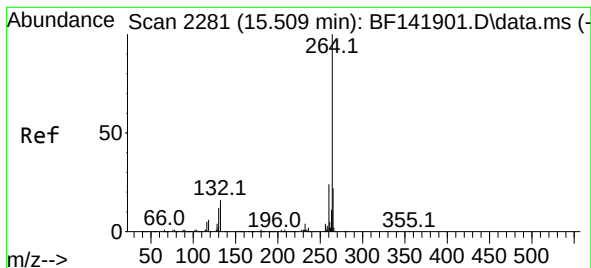
Ion Ratio Lower Upper

228 100

226 34.8 24.1 36.1

229 30.9 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

Instrument :

BNA_F

ClientSampleId :

OR-03-031925

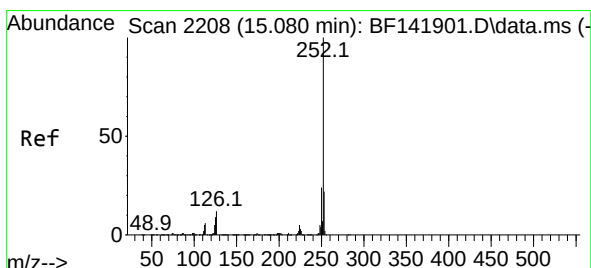
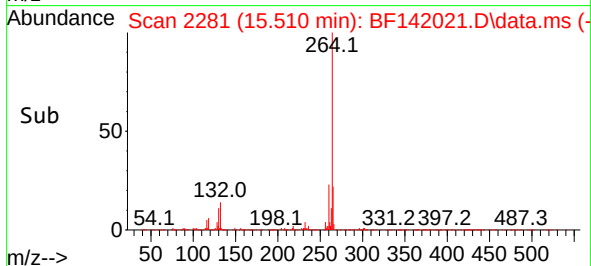
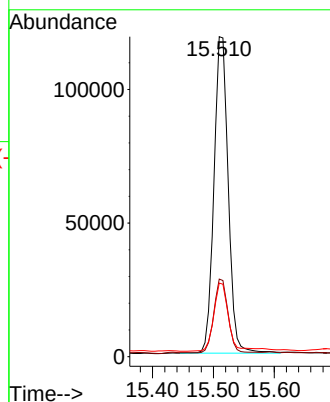
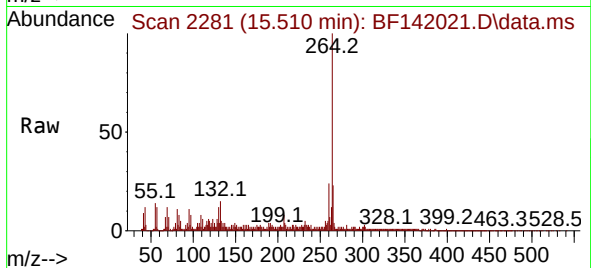
Tgt Ion:264 Resp: 192911

Ion Ratio Lower Upper

264 100

260 24.3 19.1 28.7

265 23.0 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.499 ng m

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142021.D

Acq: 20 Mar 2025 20:05

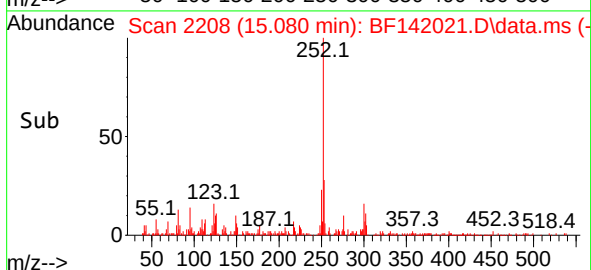
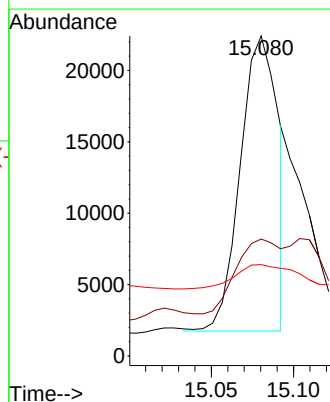
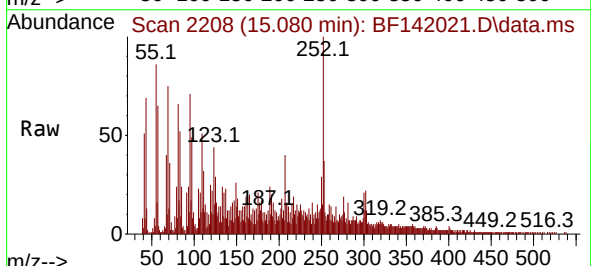
Tgt Ion:252 Resp: 33036

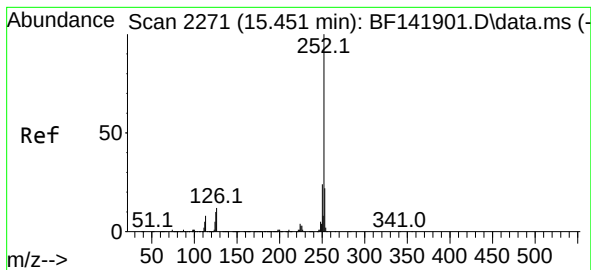
Ion Ratio Lower Upper

252 100

253 36.5 17.5 26.3#

125 28.6 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 2.264 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142021.D

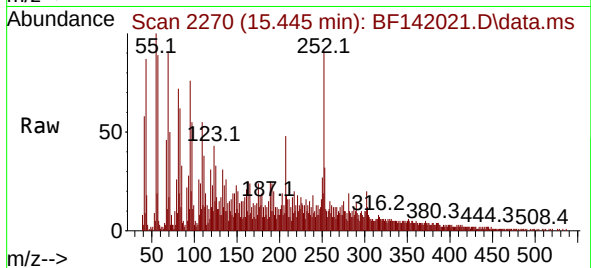
Acq: 20 Mar 2025 20:05

Instrument :

BNA_F

ClientSampleId :

OR-03-031925



Tgt Ion:252 Resp: 23421

Ion Ratio Lower Upper

252 100

253 36.0 17.4 26.0#

125 36.6 7.8 11.8#

