

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140937.D
 Acq On : 19 Dec 2024 20:00
 Operator : RC/JU
 Sample : P5339-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-12182024

Quant Time: Dec 20 00:10:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

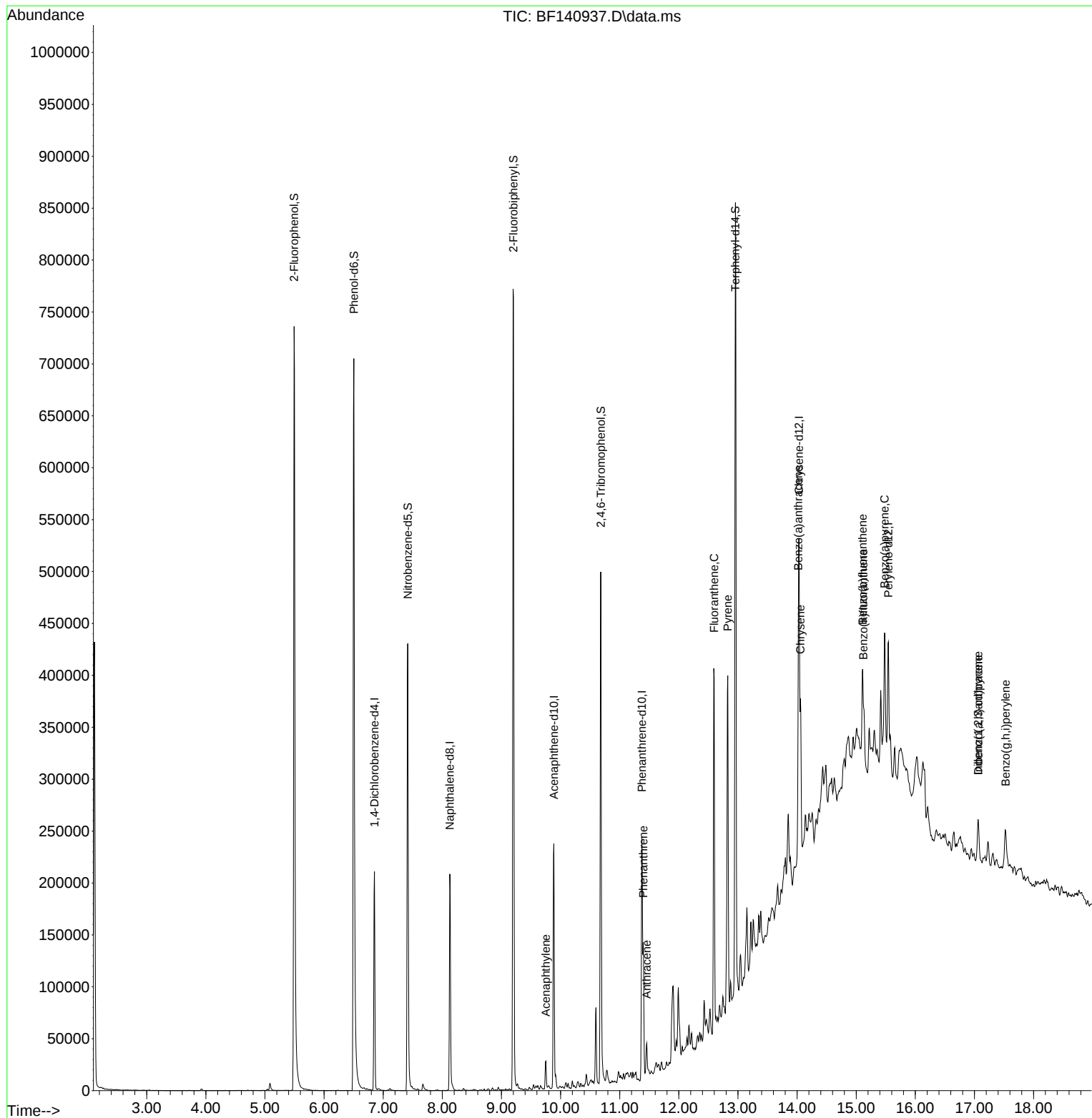
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	46390	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	142052	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	74068	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	121166	20.000	ng	0.00
76) Chrysene-d12	14.033	240	102279	20.000	ng	0.00
86) Perylene-d12	15.545	264	77761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	342567	121.562	ng	0.00
7) Phenol-d6	6.504	99	403805	108.186	ng	0.00
23) Nitrobenzene-d5	7.416	82	206846	72.852	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	92236	105.291	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	370201	68.717	ng	0.00
79) Terphenyl-d14	12.957	244	385364	59.413	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.751	152	17779	2.685	ng	98
71) Phenanthrene	11.398	178	66924	10.741	ng	98
72) Anthracene	11.457	178	21248	3.463	ng	99
75) Fluoranthene	12.598	202	209032	29.130	ng	99
78) Pyrene	12.827	202	196479	21.602	ng	100
81) Benzo(a)anthracene	14.021	228	95897	13.229	ng	96
83) Chrysene	14.057	228	84083	12.756	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	33154	6.832	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	80315m	14.879	ng	
89) Benzo(k)fluoranthene	15.121	252	32069m	6.926	ng	
90) Benzo(a)pyrene	15.480	252	63015	14.909	ng	# 92
91) Dibenzo(a,h)anthracene	17.062	278	8281	2.060	ng	# 66
92) Benzo(g,h,i)perylene	17.527	276	32035	7.830	ng	93

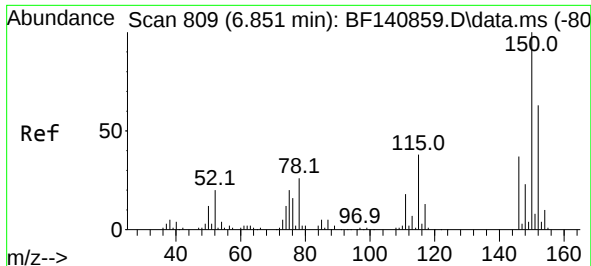
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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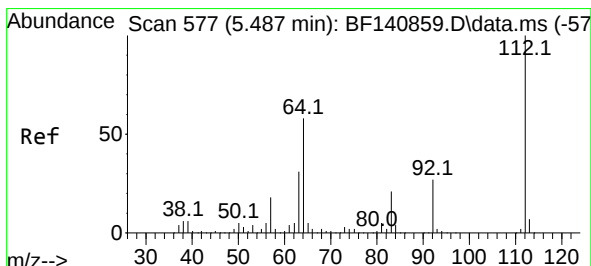
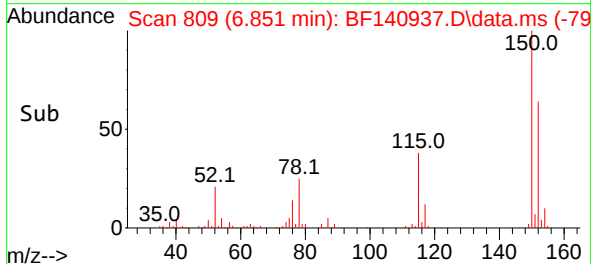
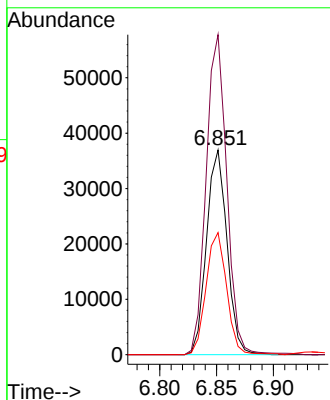
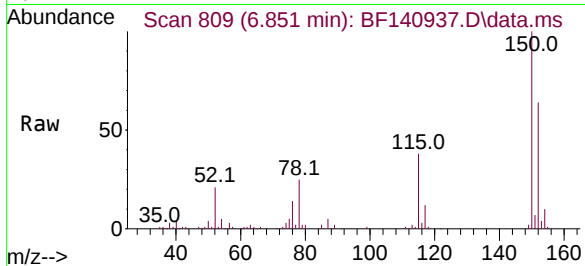




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

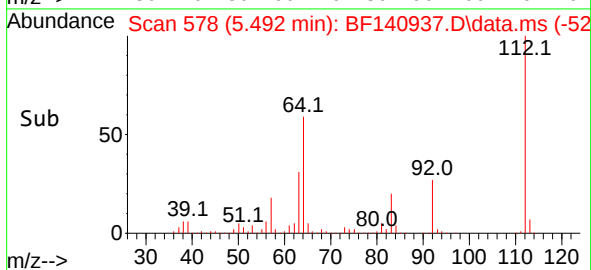
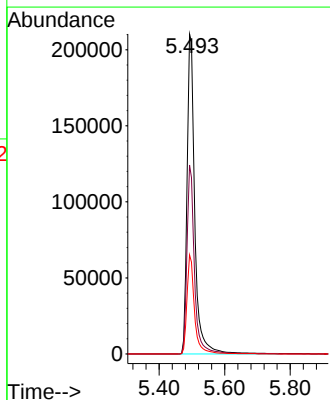
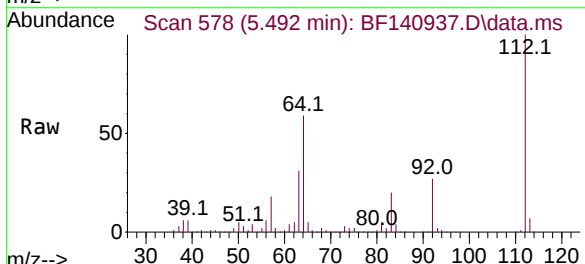
Instrument :
BNA_F
ClientSampleId :
TR-06-12182024

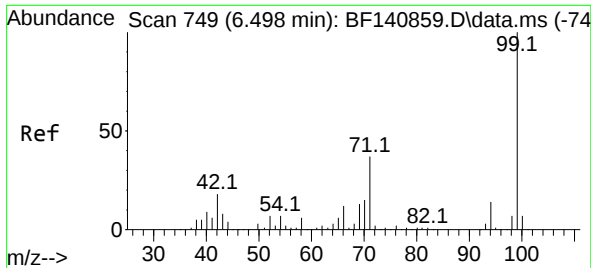
Tgt Ion:152 Resp: 46390
Ion Ratio Lower Upper
152 100
150 156.3 127.9 191.9
115 59.6 48.0 72.0



#5
2-Fluorophenol
Concen: 121.562 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion:112 Resp: 342567
Ion Ratio Lower Upper
112 100
64 59.0 46.1 69.1
63 30.9 24.9 37.3

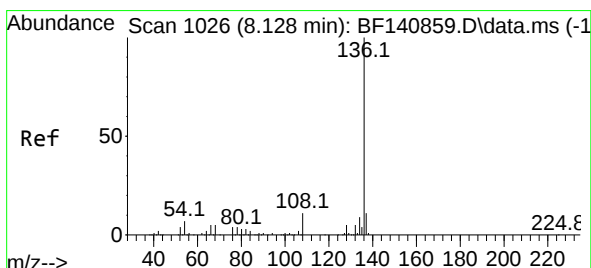
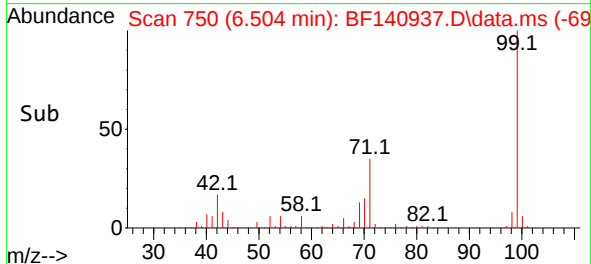
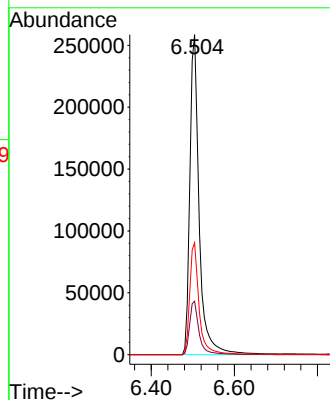
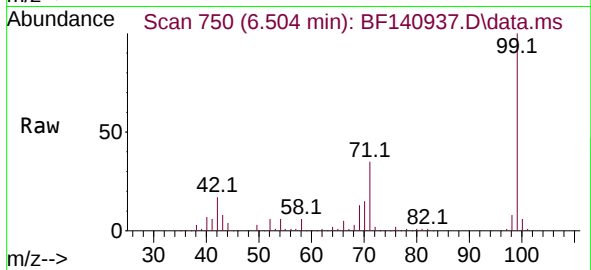




#7
Phenol-d6
Concen: 108.186 ng
RT: 6.504 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

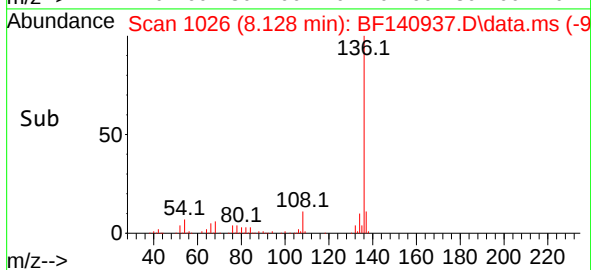
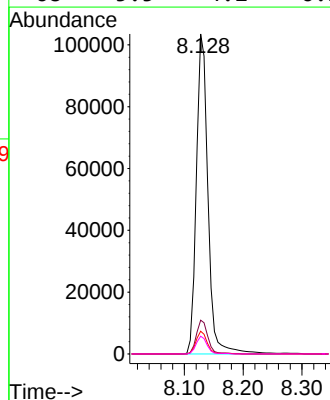
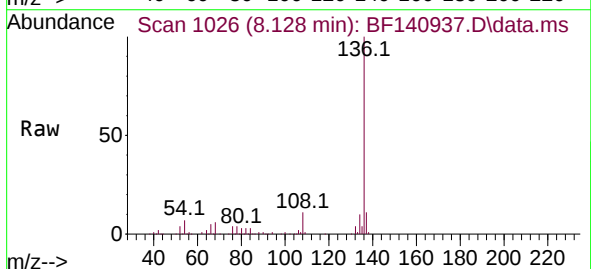
Instrument :
BNA_F
ClientSampleId :
TR-06-12182024

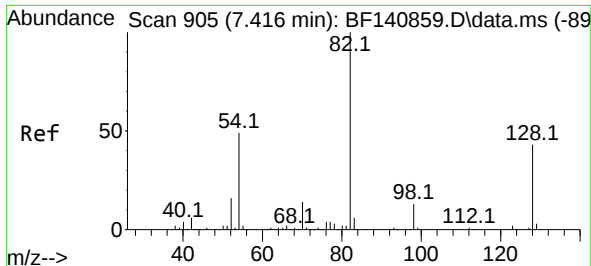
Tgt Ion: 99 Resp: 403805
Ion Ratio Lower Upper
99 100
42 16.7 14.3 21.5
71 34.9 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion: 136 Resp: 142052
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 7.1 5.6 8.4
68 5.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 72.852 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

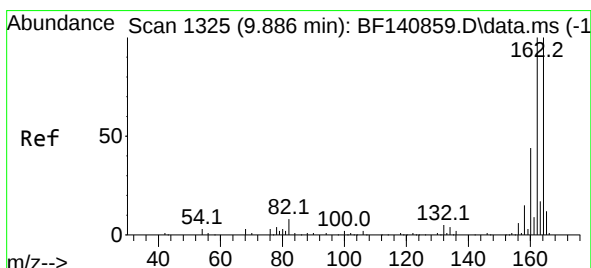
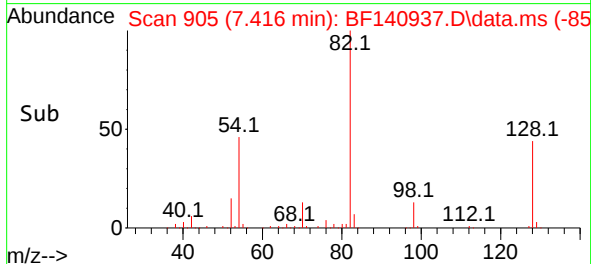
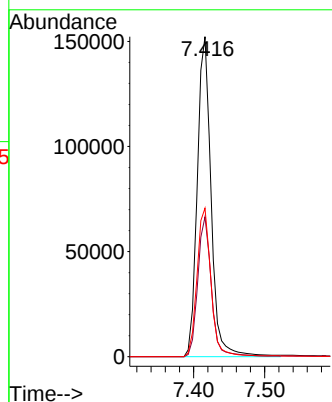
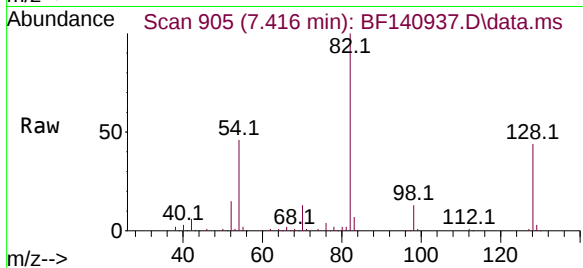
BNA_F

ClientSampleId :

TR-06-12182024

Tgt Ion: 82 Resp: 206846

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.4	51.6
54	46.4	38.8	58.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1325

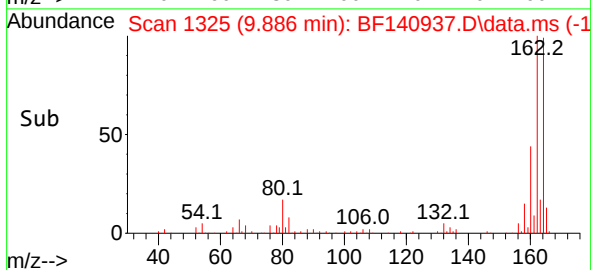
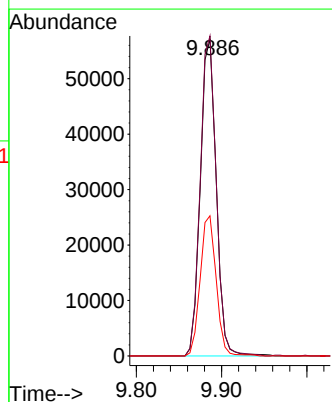
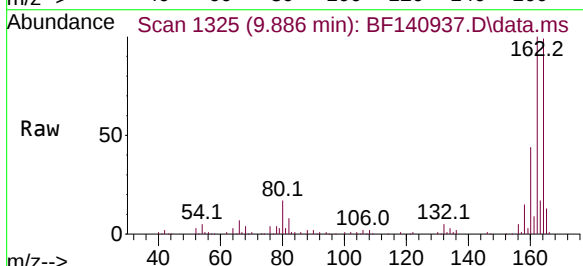
Delta R.T. -0.000 min

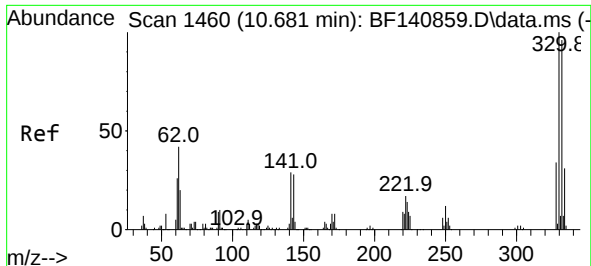
Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Tgt Ion: 164 Resp: 74068

Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.9	119.9
160	44.2	35.2	52.8

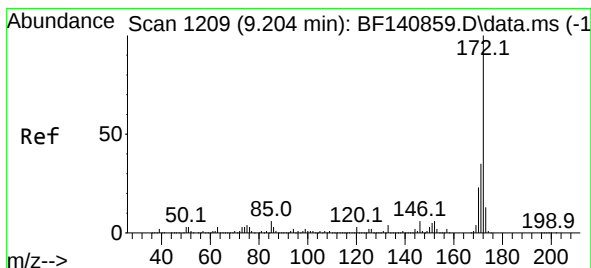
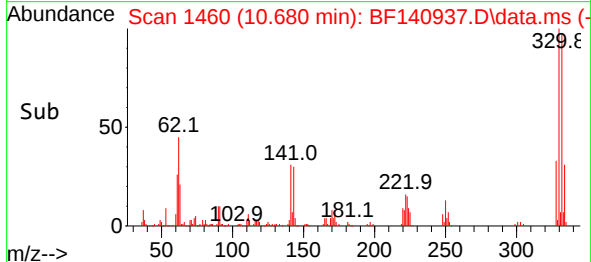
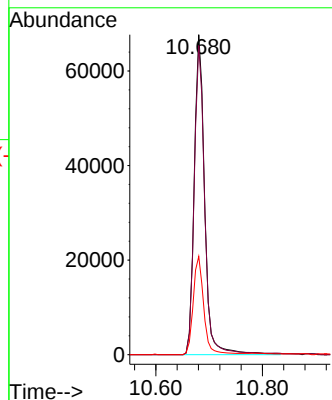
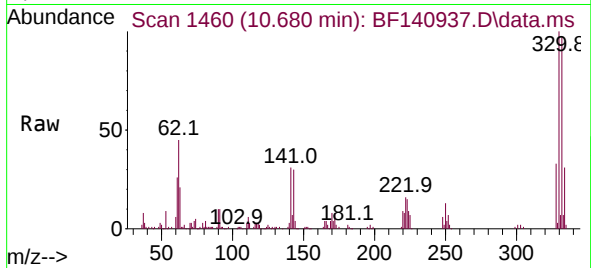




#42
2,4,6-Tribromophenol
Concen: 105.291 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

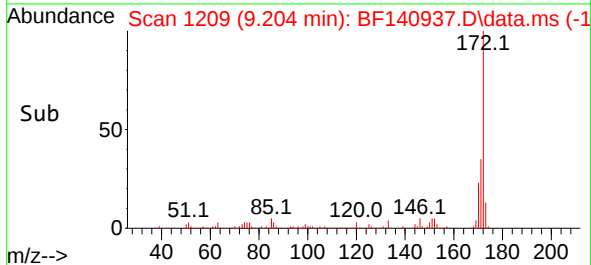
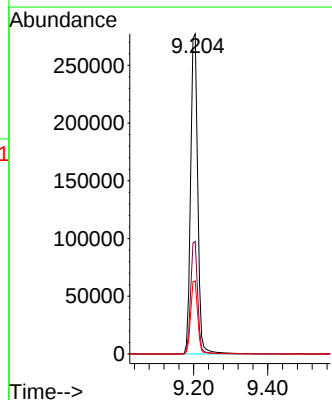
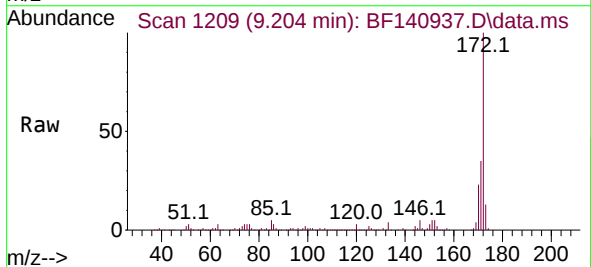
Instrument :
BNA_F
ClientSampleId :
TR-06-12182024

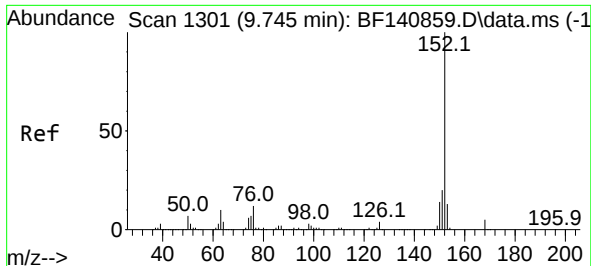
Tgt Ion:330 Resp: 92236
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 31.2 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 68.717 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion:172 Resp: 370201
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 22.8 18.6 28.0

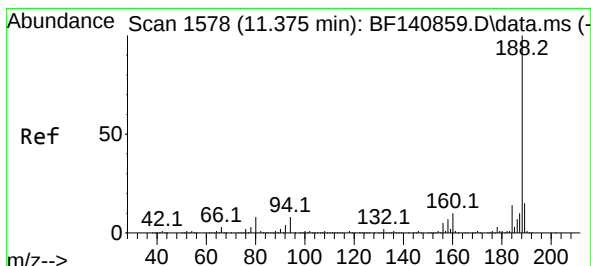
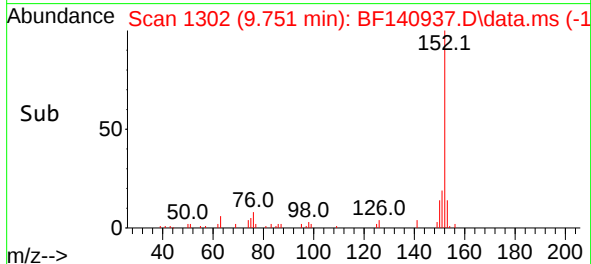
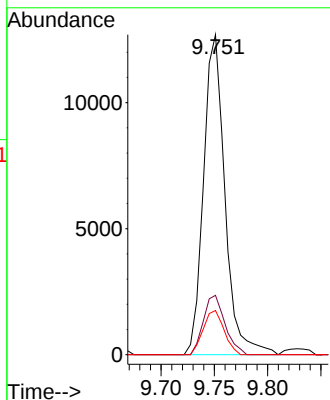
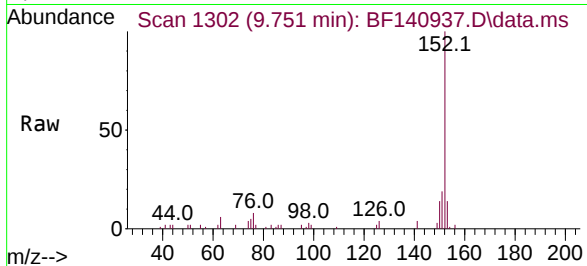




#49
Acenaphthylene
Concen: 2.685 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

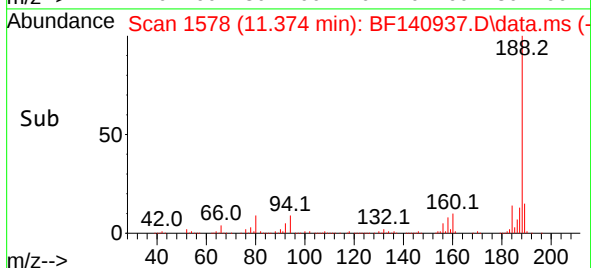
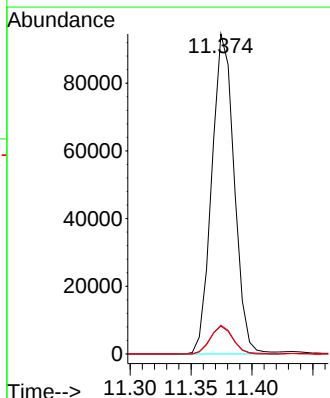
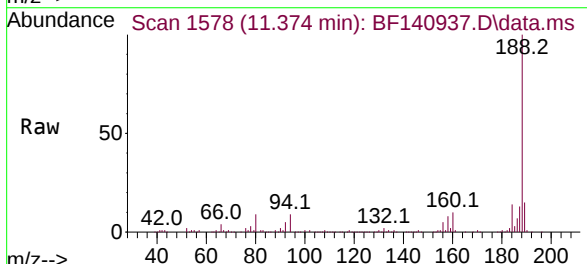
Instrument :
BNA_F
ClientSampleId :
TR-06-12182024

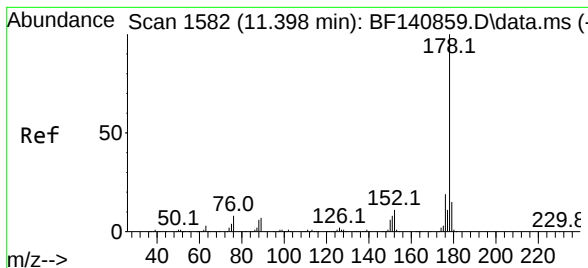
Tgt Ion:152	Resp:	17779
Ion	Ratio	Lower Upper
152	100	
151	18.5	16.0 24.0
153	13.8	10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion:188	Resp:	121166
Ion	Ratio	Lower Upper
188	100	
94	8.7	6.4 9.6
80	8.9	6.8 10.2





#71

Phenanthrene

Concen: 10.741 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

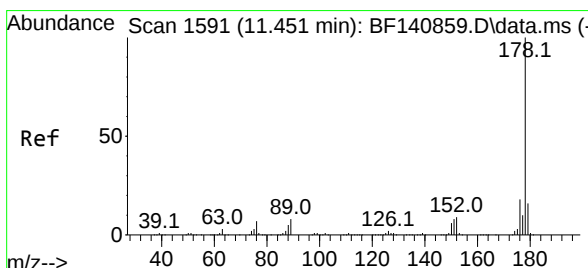
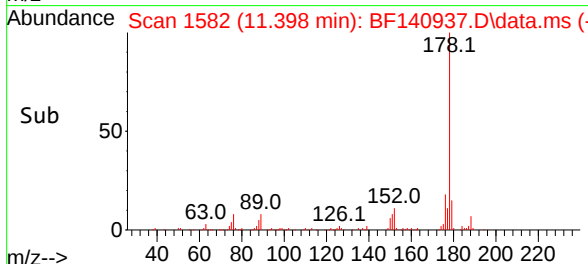
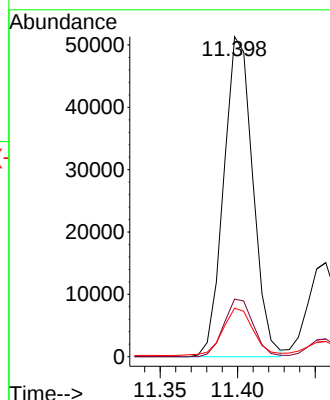
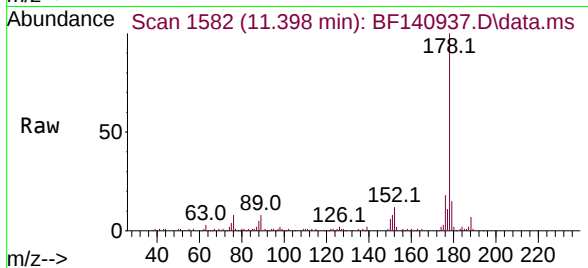
Tgt Ion:178 Resp: 66924

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

179 15.2 12.1 18.1



#72

Anthracene

Concen: 3.463 ng

RT: 11.457 min Scan# 1592

Delta R.T. 0.006 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

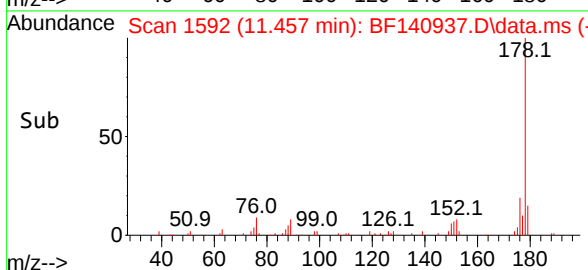
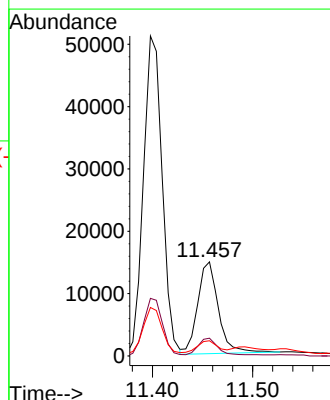
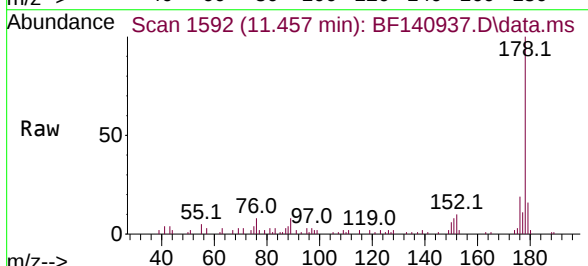
Tgt Ion:178 Resp: 21248

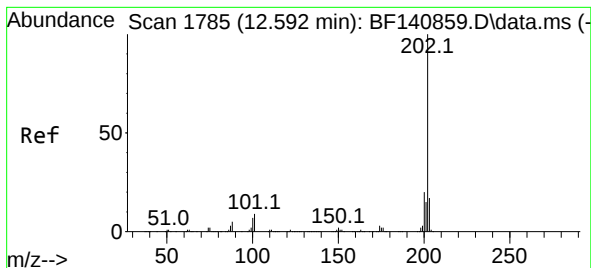
Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

179 16.2 12.6 18.8





#75

Fluoranthene

Concen: 29.130 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

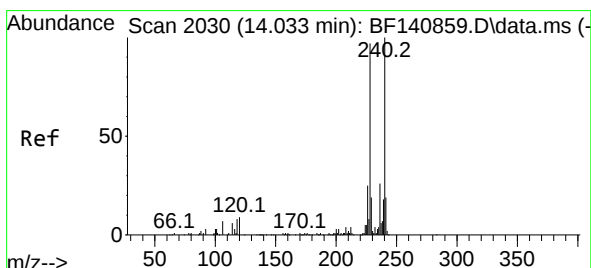
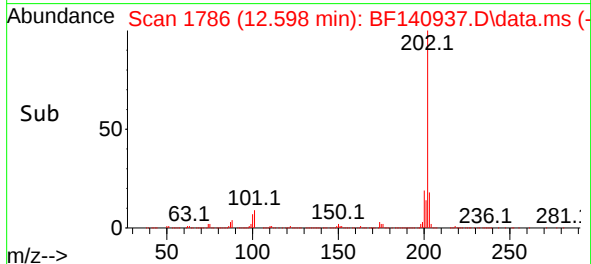
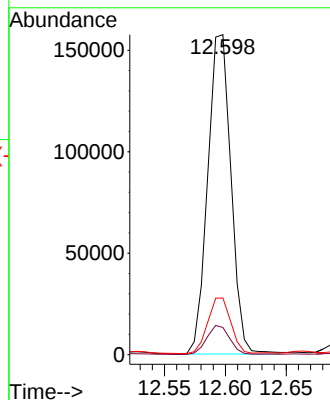
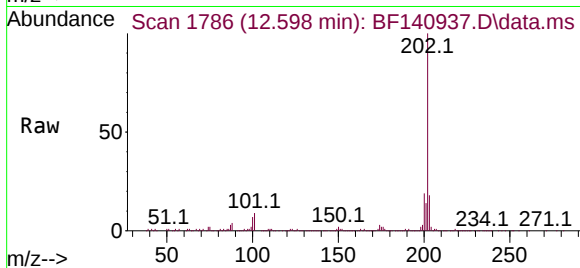
Tgt Ion:202 Resp: 209032

Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.3

203 17.7 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

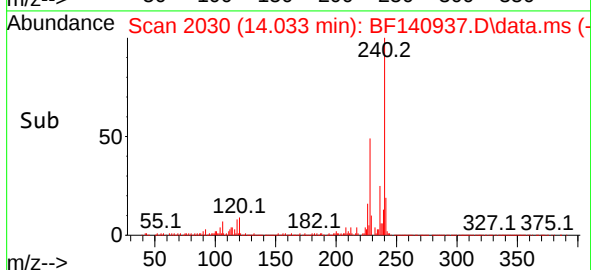
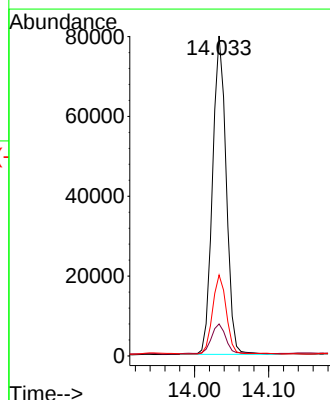
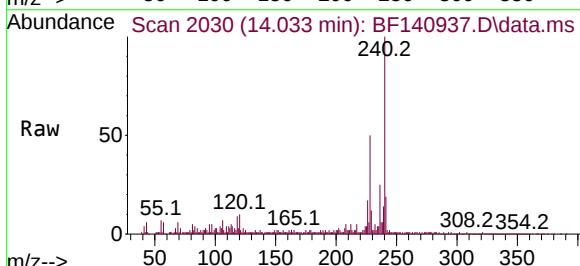
Tgt Ion:240 Resp: 102279

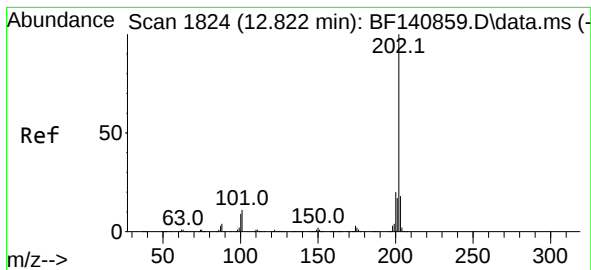
Ion Ratio Lower Upper

240 100

120 10.0 7.6 11.4

236 25.3 20.5 30.7





#78

Pyrene

Concen: 21.602 ng

RT: 12.827 min Scan# 1825

Delta R.T. 0.006 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

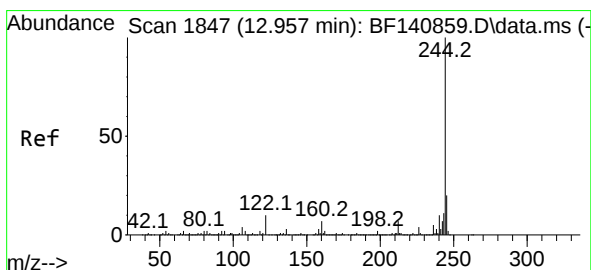
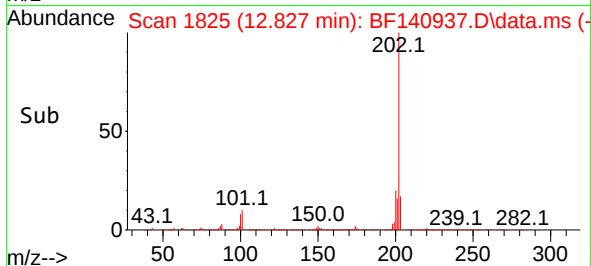
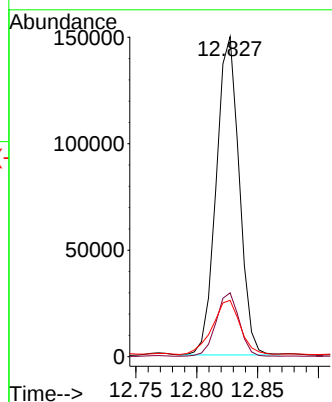
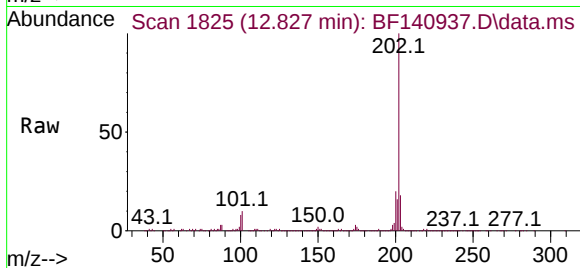
Tgt Ion:202 Resp: 196479

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 17.6 14.2 21.4



#79

Terphenyl-d14

Concen: 59.413 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

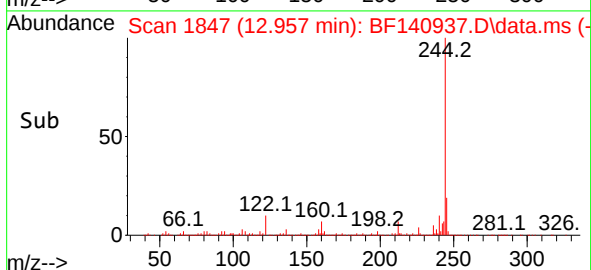
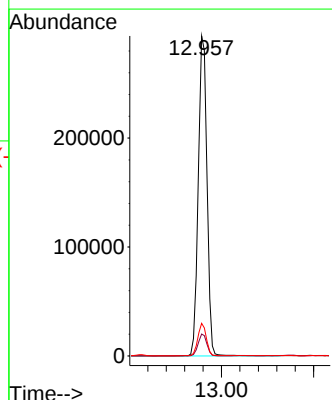
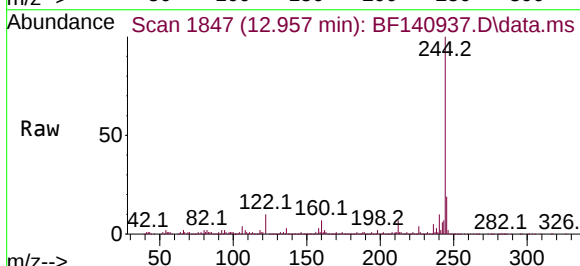
Tgt Ion:244 Resp: 385364

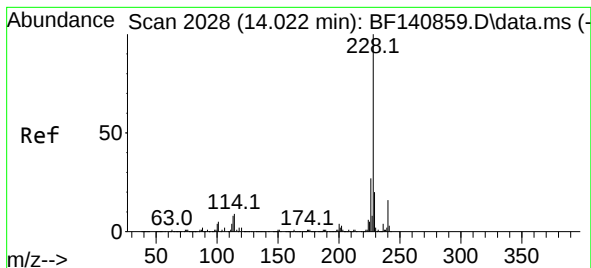
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.2 8.2 12.2





#81

Benzo(a)anthracene

Concen: 13.229 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

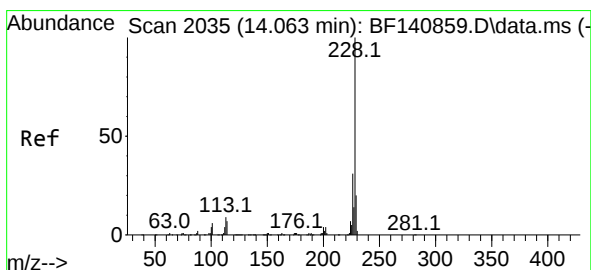
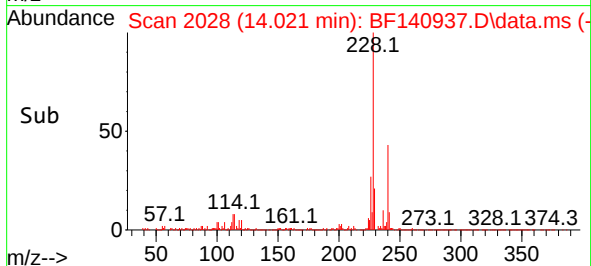
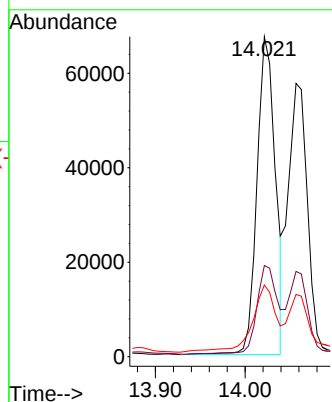
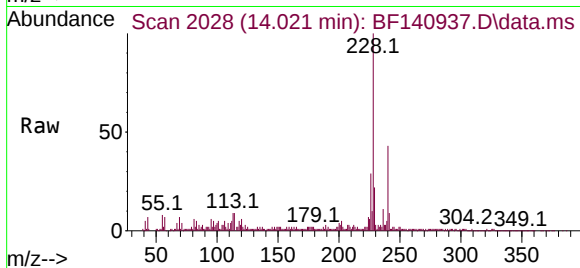
Tgt Ion:228 Resp: 95897

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

229 22.4 15.8 23.8



#83

Chrysene

Concen: 12.756 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

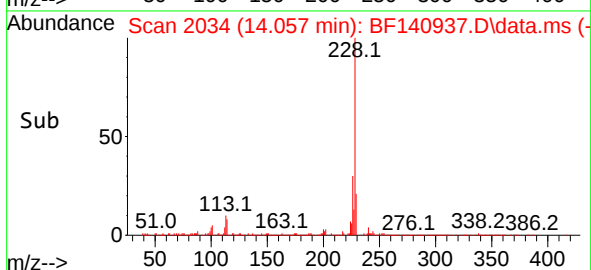
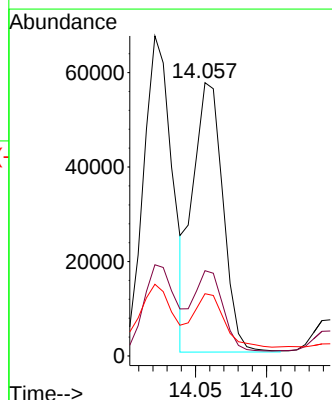
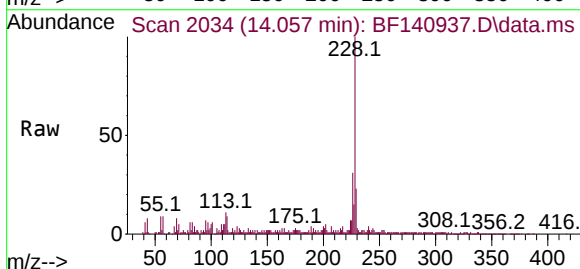
Tgt Ion:228 Resp: 84083

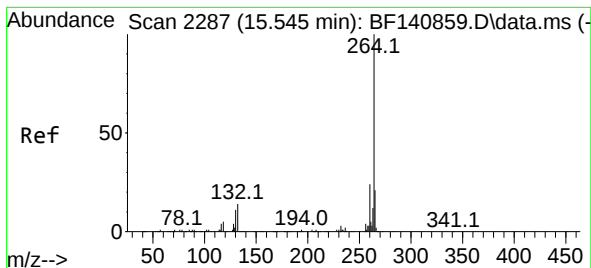
Ion Ratio Lower Upper

228 100

226 31.2 24.1 36.1

229 22.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

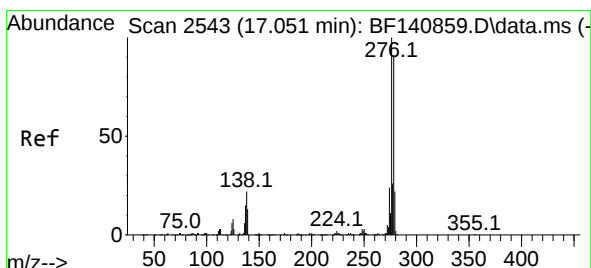
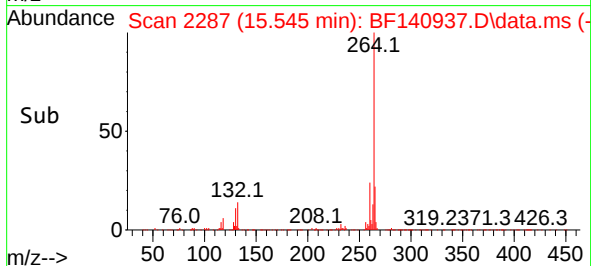
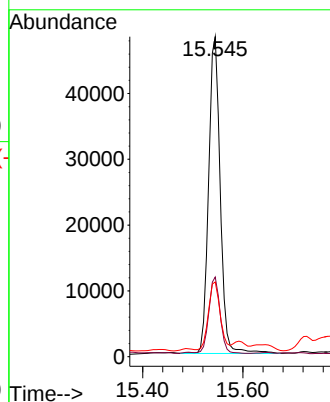
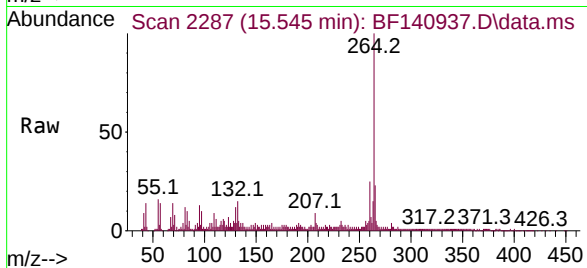
Tgt Ion:264 Resp: 77761

Ion Ratio Lower Upper

264 100

260 24.9 19.1 28.7

265 23.4 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.832 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.012 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

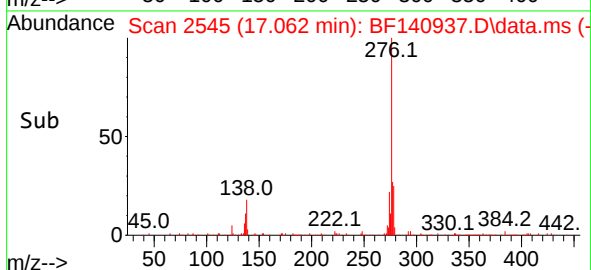
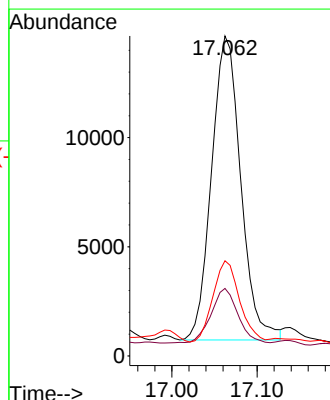
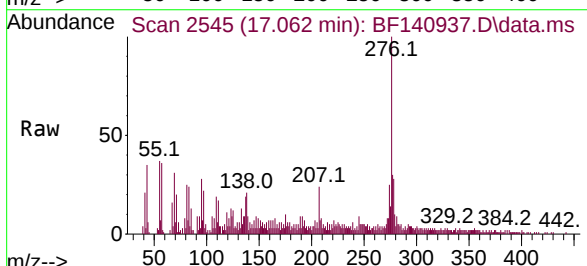
Tgt Ion:276 Resp: 33154

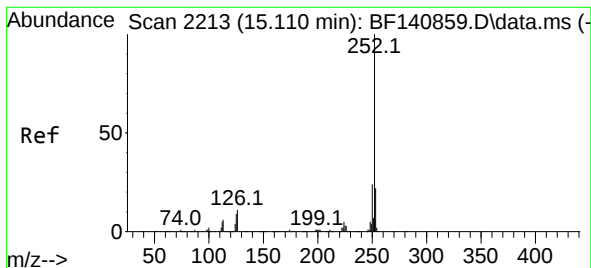
Ion Ratio Lower Upper

276 100

138 16.3 16.9 25.3#

277 24.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 14.879 ng m

RT: 15.110 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

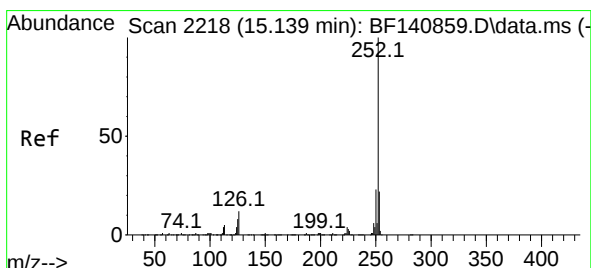
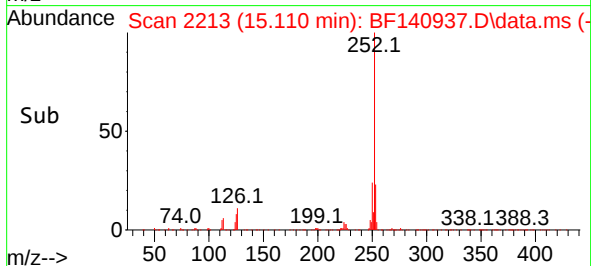
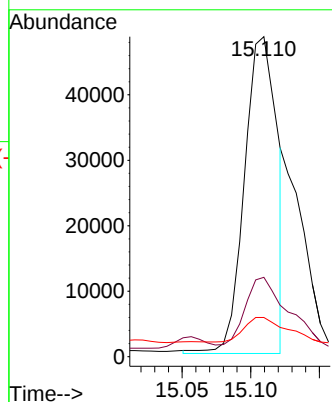
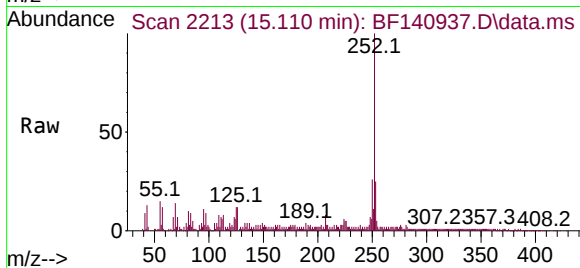
Tgt Ion:252 Resp: 80315

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.6

125 12.3 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 6.926 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.018 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

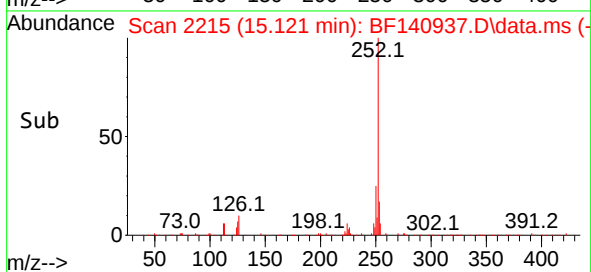
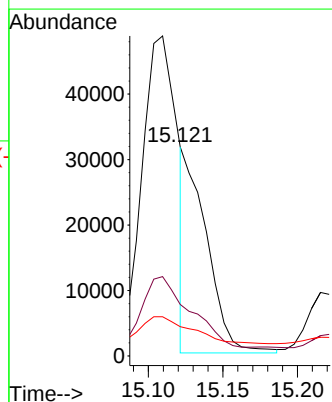
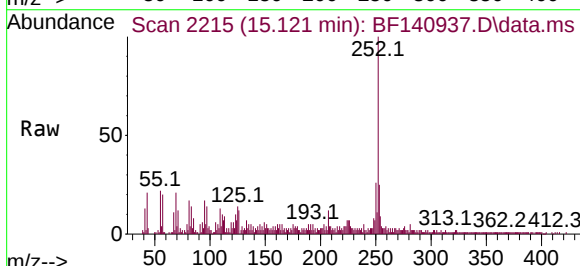
Tgt Ion:252 Resp: 32069

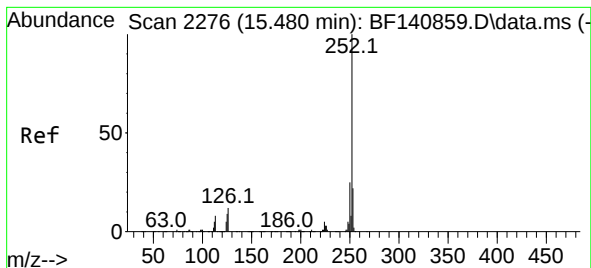
Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 14.0 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 14.909 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

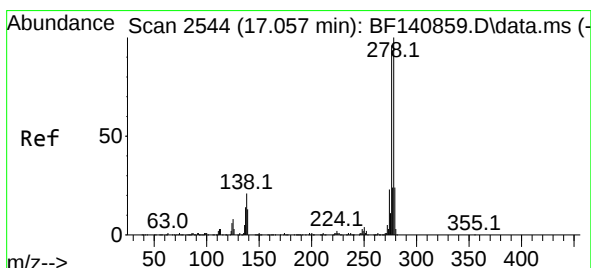
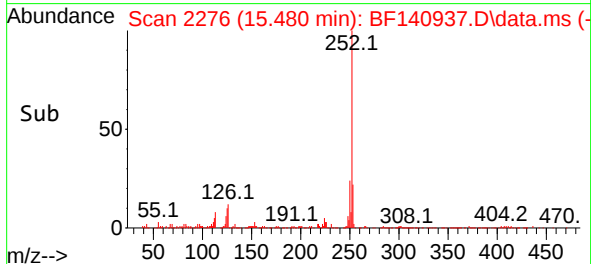
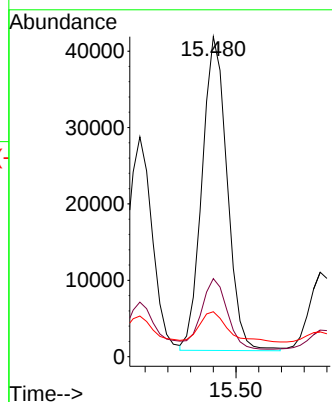
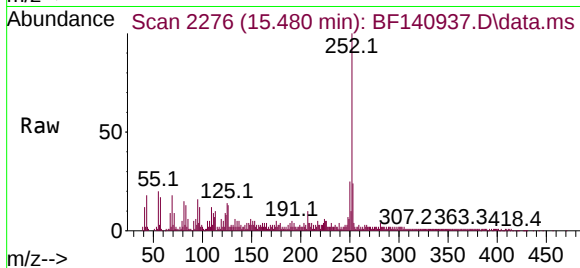
Tgt Ion:252 Resp: 63015

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 14.1 7.5 11.3#



#91

Dibenzo(a,h)anthracene

Concen: 2.060 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.006 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

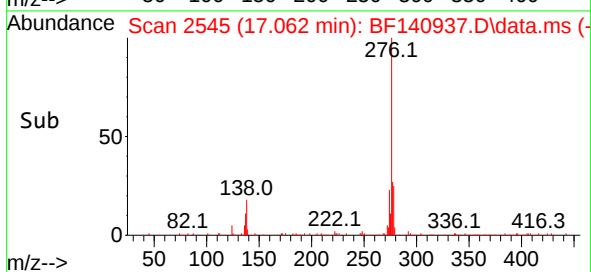
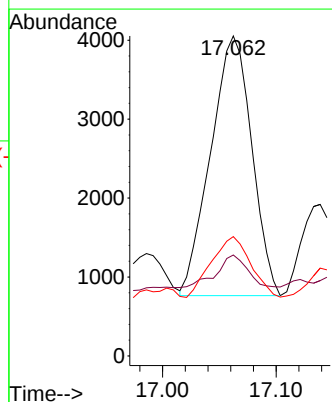
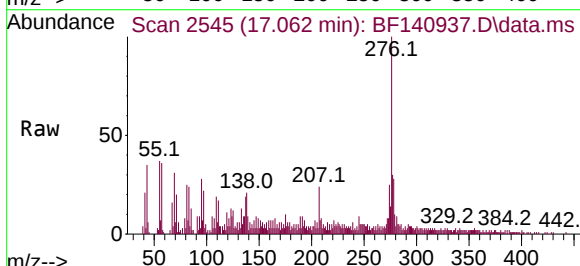
Tgt Ion:278 Resp: 8281

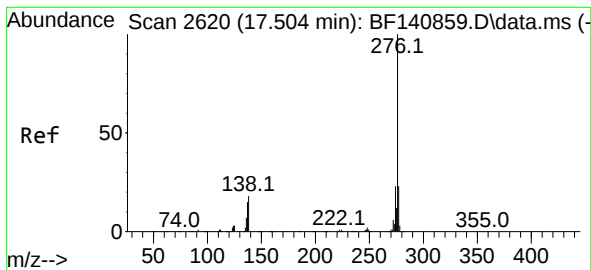
Ion Ratio Lower Upper

278 100

139 31.5 10.6 16.0#

279 37.3 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 7.830 ng

RT: 17.527 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF140937.D

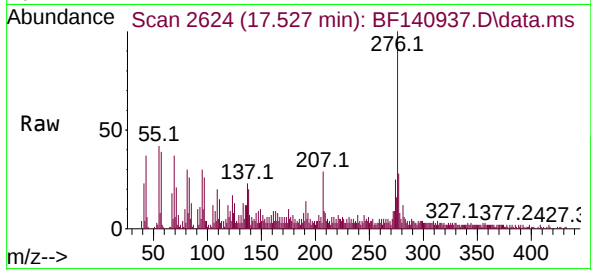
Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024



Tgt Ion:276 Resp: 32035

Ion Ratio Lower Upper

276 100

277 27.6 18.7 28.1

138 20.1 14.2 21.2

