

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
 Data File : BF141157.D
 Acq On : 14 Jan 2025 20:23
 Operator : RC/JU
 Sample : Q1076-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006

Quant Time: Jan 15 00:14:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

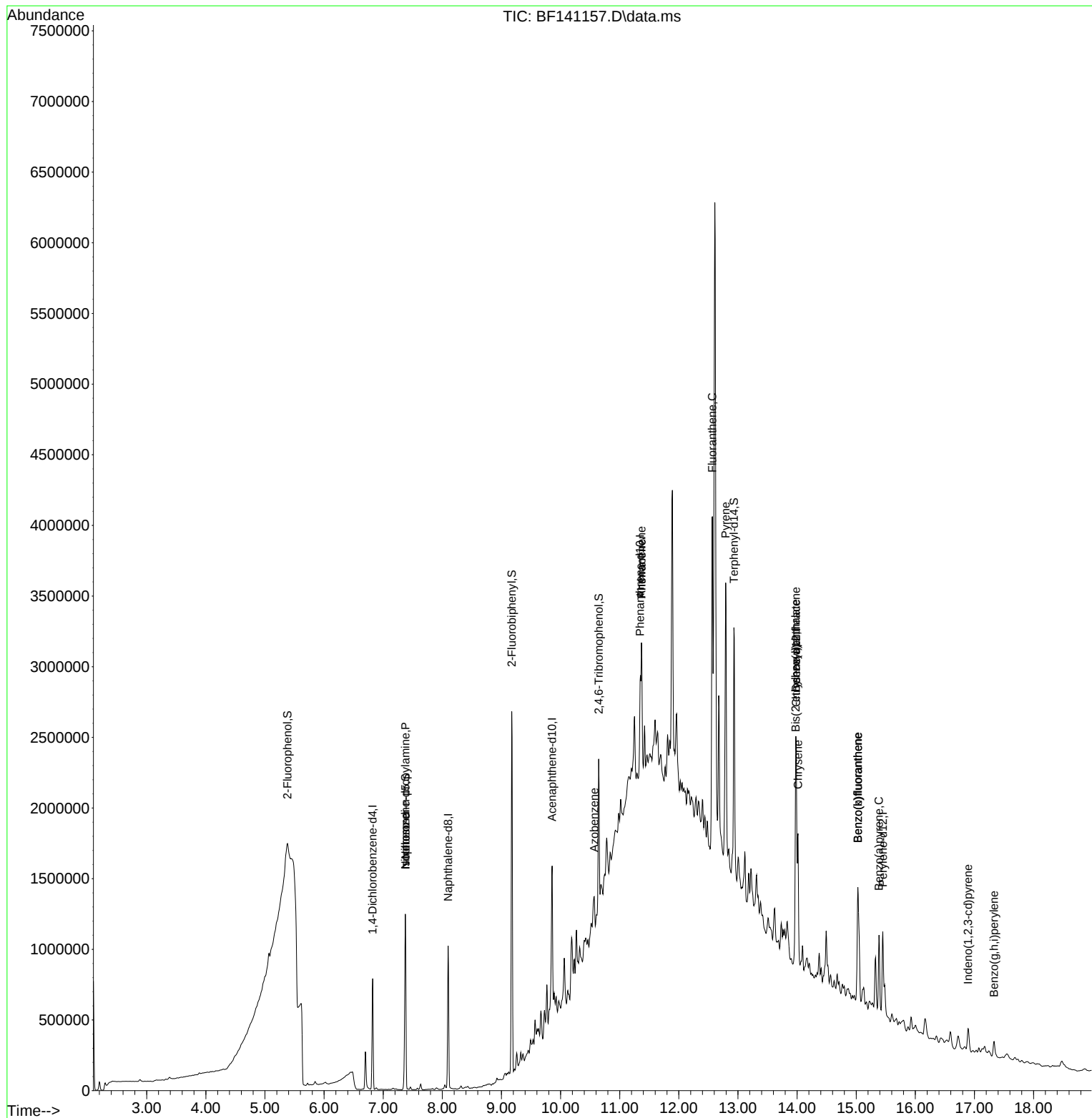
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	163818	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	637241	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	301513	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	384971	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	319215	20.000	ng	0.00
86) Perylene-d12	15.451	264	356635	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	156105	14.721	ng	-0.05
7) Phenol-d6	0.000	99	0	0.000	ng	
23) Nitrobenzene-d5	7.375	82	625993	52.073	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	223740	65.125	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1158085	58.652	ng	0.00
79) Terphenyl-d14	12.933	244	893496	41.602	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	85973	10.865	ng	# 77
25) Isophorone	7.375	82	614830	29.927	ng	# 65
63) Azobenzene	10.569	77	60592	3.107	ng	# 1
71) Phenanthrene	11.369	178	494367	23.920	ng	97
72) Anthracene	11.369	178	494367	24.600	ng	96
75) Fluoranthene	12.563	202	1372112	66.528	ng	98
78) Pyrene	12.792	202	1224641	40.166	ng	97
81) Benzo(a)anthracene	13.980	228	657342	30.258	ng	97
83) Chrysene	14.015	228	485569	23.887	ng	97
84) Bis(2-ethylhexyl)phtha...	13.974	149	74468	6.105	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	127251	4.870	ng	96
88) Benzo(b)fluoranthene	15.027	252	738625	32.118	ng	97
89) Benzo(k)fluoranthene	15.027	252	738625	38.006	ng	# 97
90) Benzo(a)pyrene	15.386	252	345643	18.217	ng	97
92) Benzo(g,h,i)perylene	17.333	276	105947	4.820	ng	99

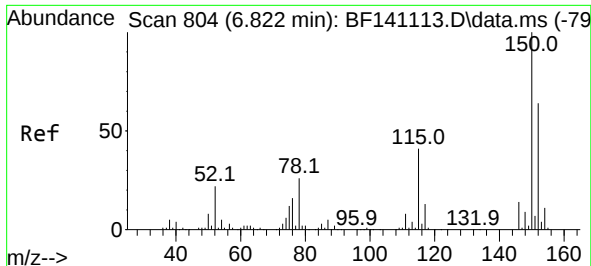
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
Data File : BF141157.D
Acq On : 14 Jan 2025 20:23
Operator : RC/JU
Sample : Q1076-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ARS20-0006

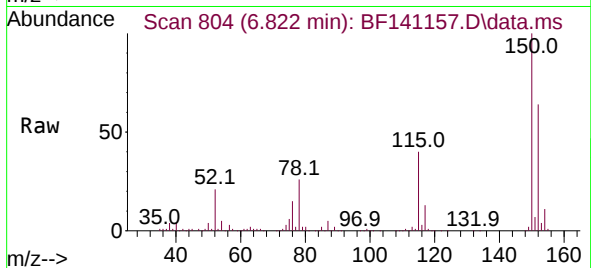
Quant Time: Jan 15 00:14:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



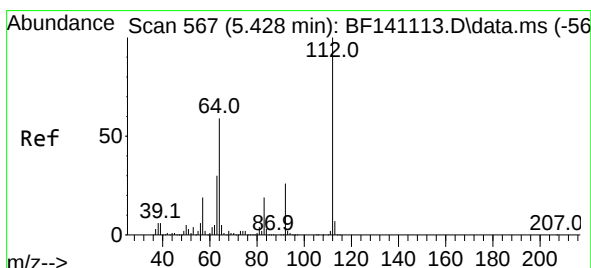
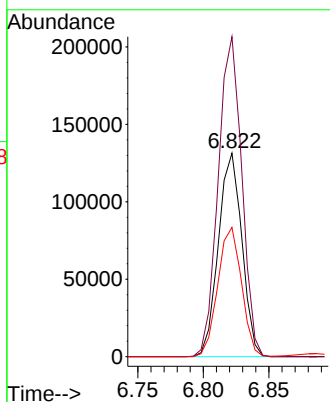
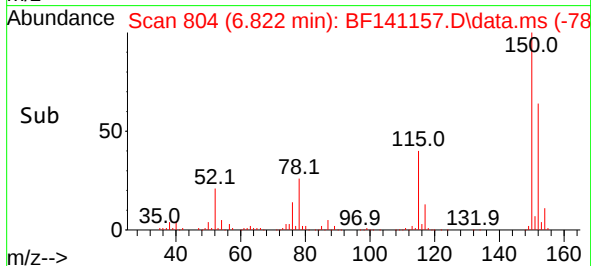


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

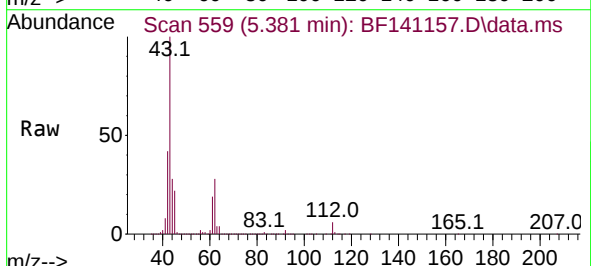
Instrument :
BNA_F
ClientSampleId :
ARS20-0006



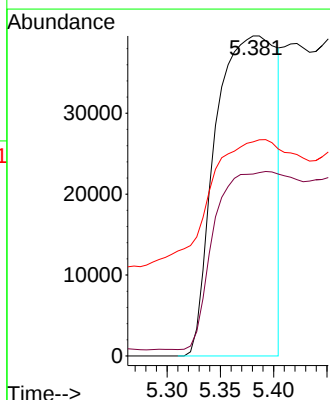
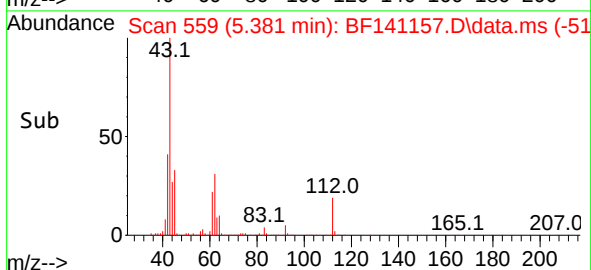
Tgt Ion:152 Resp: 163818
Ion Ratio Lower Upper
152 100
150 157.3 125.8 188.8
115 63.5 51.4 77.2

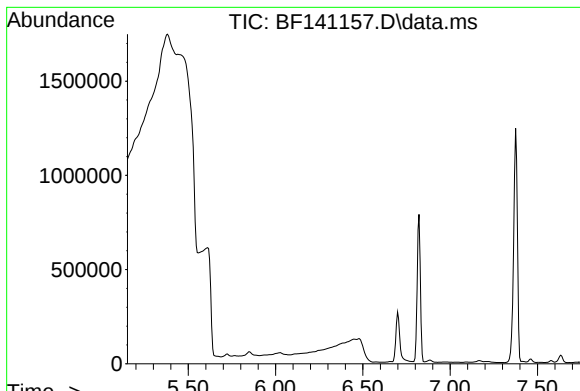


#5
2-Fluorophenol
Concen: 14.721 ng
RT: 5.381 min Scan# 559
Delta R.T. -0.047 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23



Tgt Ion:112 Resp: 156105
Ion Ratio Lower Upper
112 100
64 56.9 47.3 70.9
63 66.9 24.2 36.2



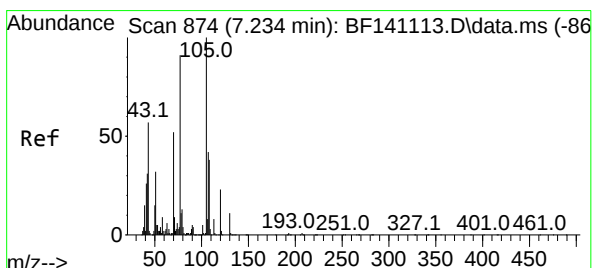
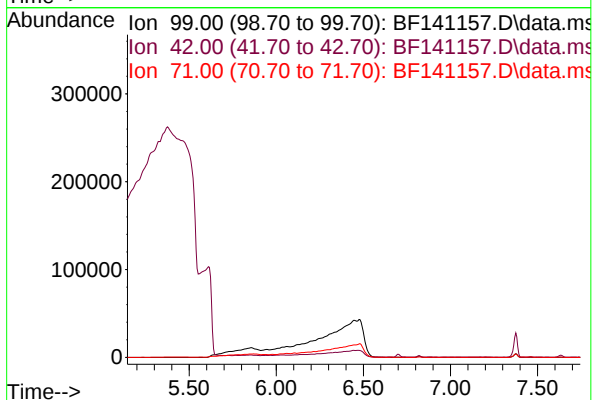


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.45 min
 Lab File: BF141157.D
 Acq: 14 Jan 2025 20:23

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006

Tgt Ion: 99

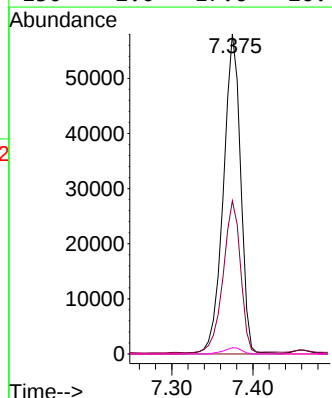
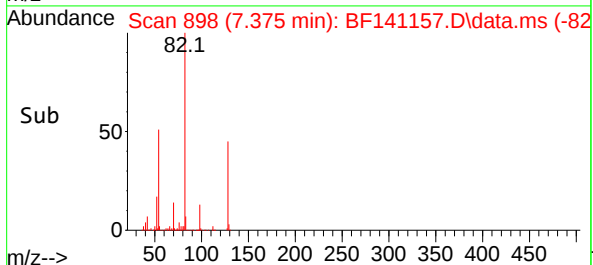
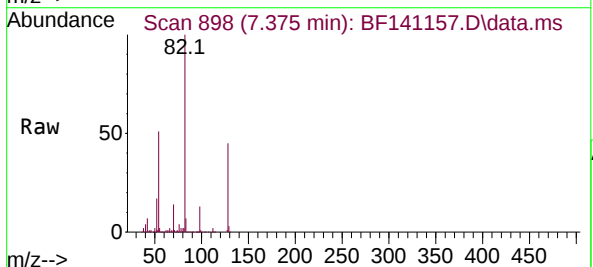
Sig	Exp Ratio
99	100
42	18.7
71	34.5

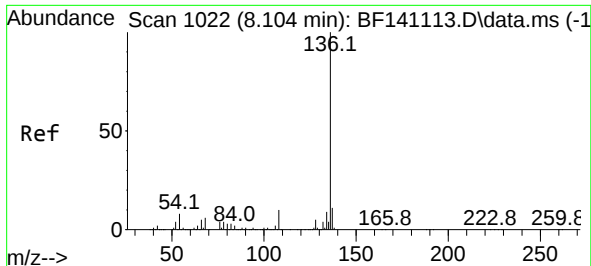


#19
 n-Nitroso-di-n-propylamine
 Concen: 10.865 ng
 RT: 7.375 min Scan# 898
 Delta R.T. 0.141 min
 Lab File: BF141157.D
 Acq: 14 Jan 2025 20:23

Tgt Ion: 70 Resp: 85973

Ion	Ratio	Lower	Upper
70	100		
42	47.8	47.8	71.6
101	0.0	7.9	11.9#
130	2.0	17.6	26.4#



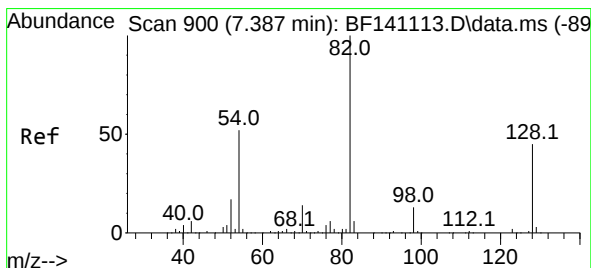
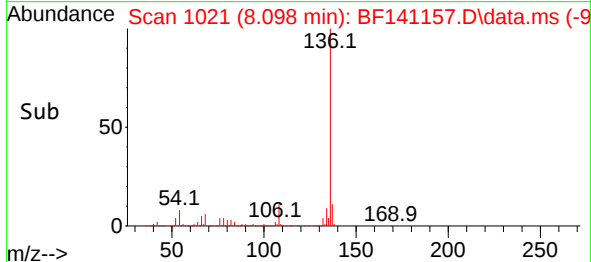
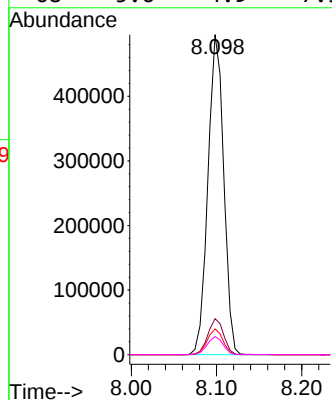
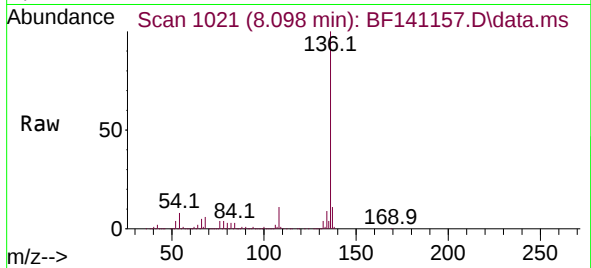


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Instrument :
BNA_F
ClientSampleId :
ARS20-0006

Tgt Ion:136 Resp: 637241

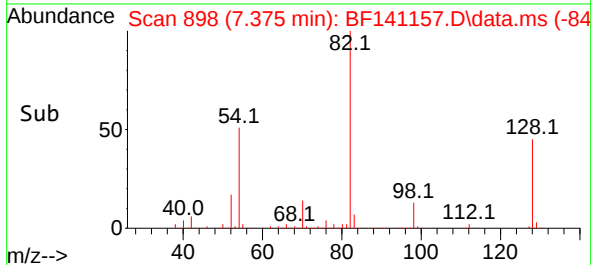
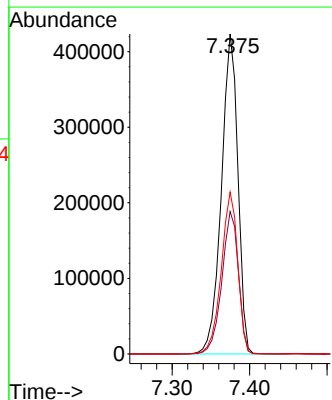
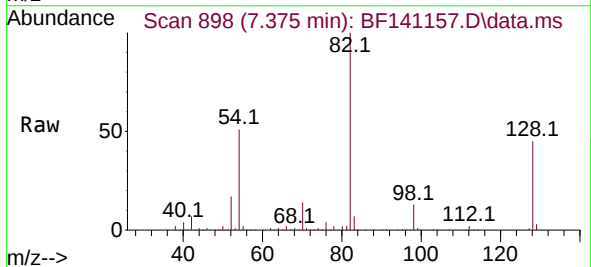
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.1	6.3	9.5
68	5.6	4.9	7.3

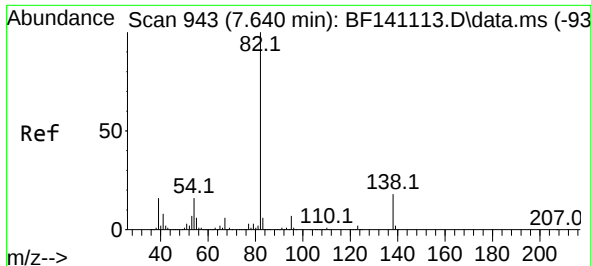


#23
Nitrobenzene-d5
Concen: 52.073 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Tgt Ion: 82 Resp: 625993

Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	50.6	41.0	61.4

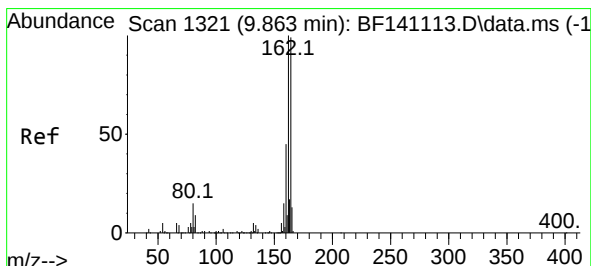
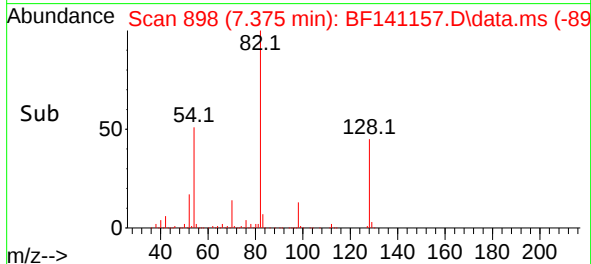
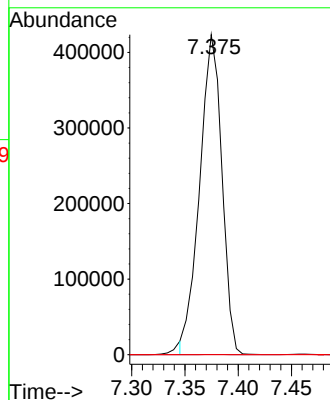
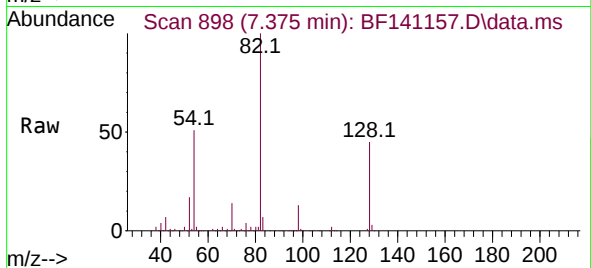




#25
Isophorone
Concen: 29.927 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

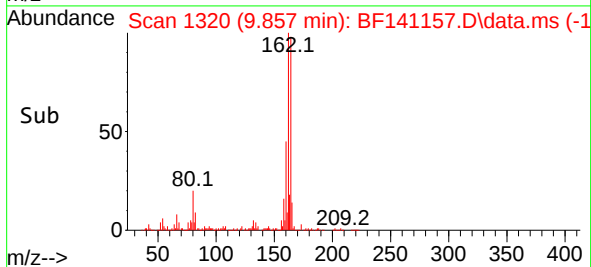
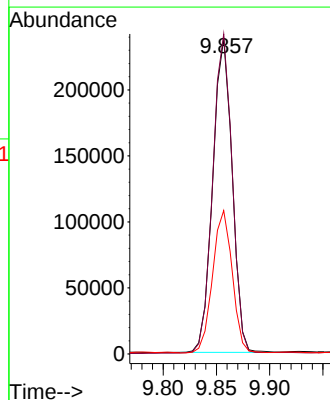
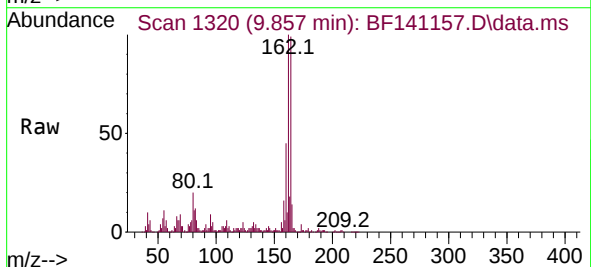
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

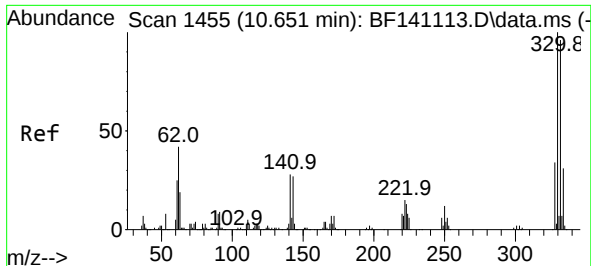
Tgt Ion: 82 Resp: 614830
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Tgt Ion: 164 Resp: 301513
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.4
160 45.5 36.1 54.1

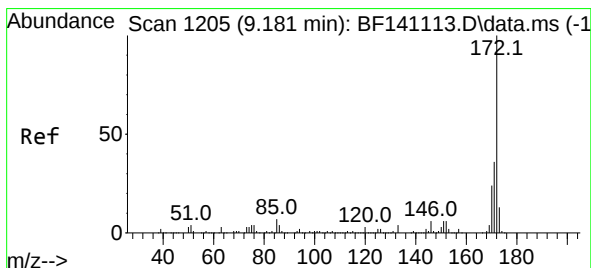
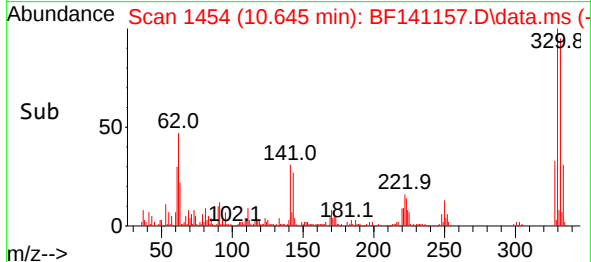
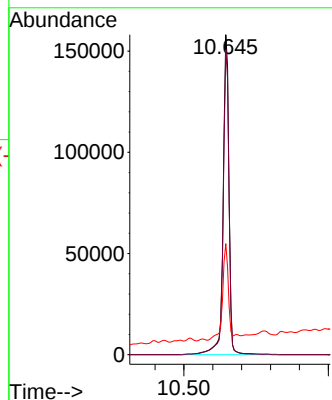
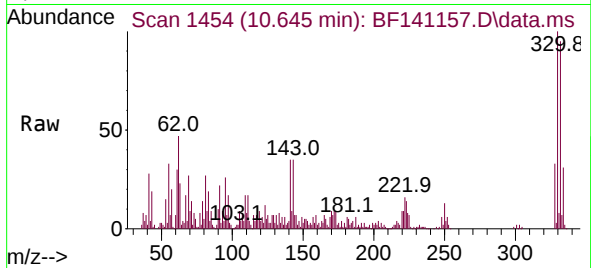




#42
2,4,6-Tribromophenol
Concen: 65.125 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

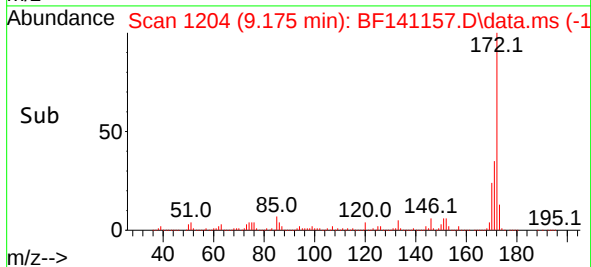
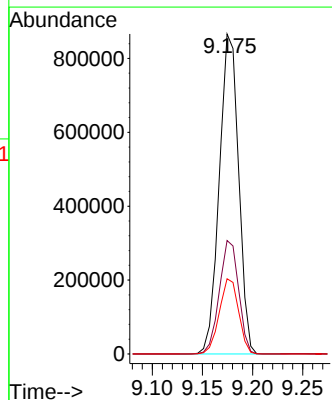
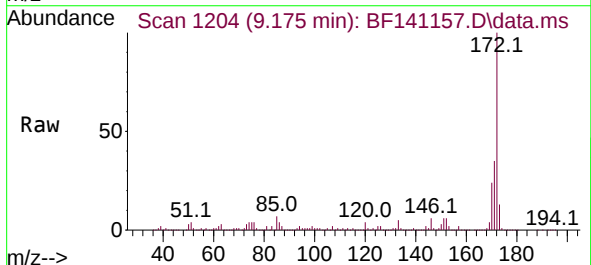
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

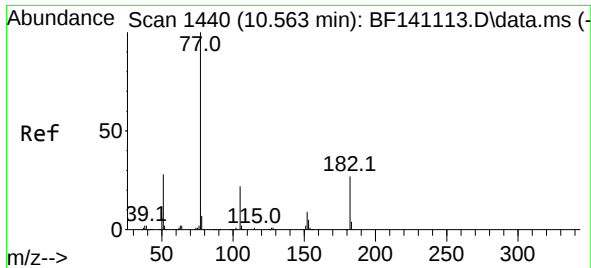
Tgt Ion:330 Resp: 223740
Ion Ratio Lower Upper
330 100
332 95.5 76.9 115.3
141 29.7 25.2 37.8



#45
2-Fluorobiphenyl
Concen: 58.652 ng
RT: 9.175 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Tgt Ion:172 Resp: 1158085
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.5 19.0 28.6

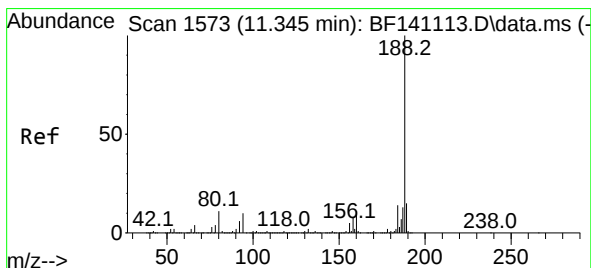
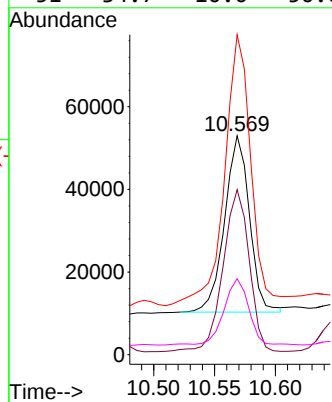
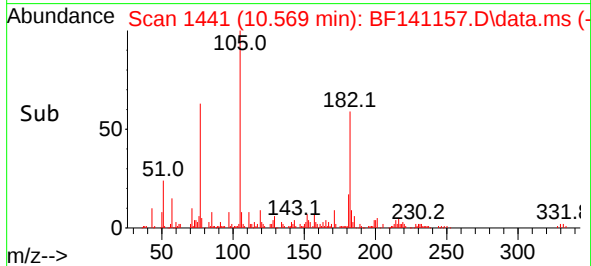
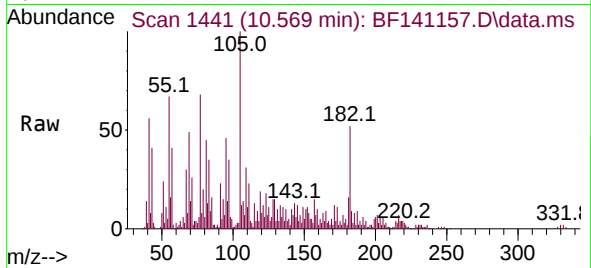




#63
Azobenzene
Concen: 3.107 ng
RT: 10.569 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

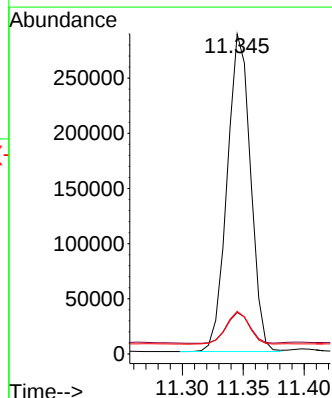
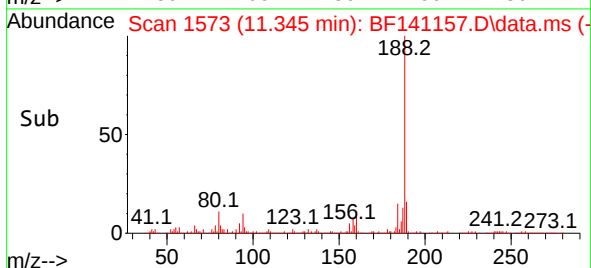
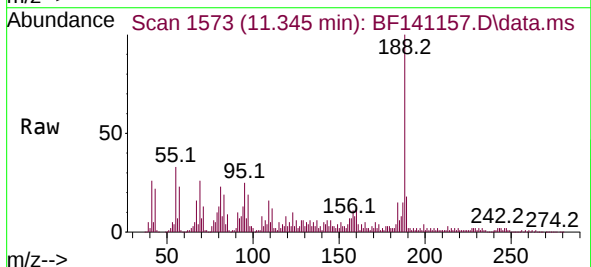
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

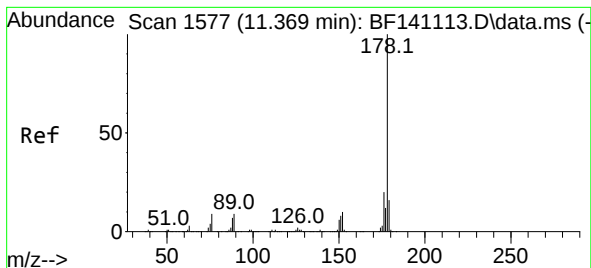
Tgt Ion: 77 Resp: 60592
Ion Ratio Lower Upper
77 100
182 75.3 6.1 46.1#
105 146.2 2.1 42.1#
51 34.7 10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Tgt Ion:188 Resp: 384971
Ion Ratio Lower Upper
188 100
94 12.9 8.3 12.5#
80 13.3 9.0 13.4





#71

Phenanthrene

Concen: 23.920 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.000 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

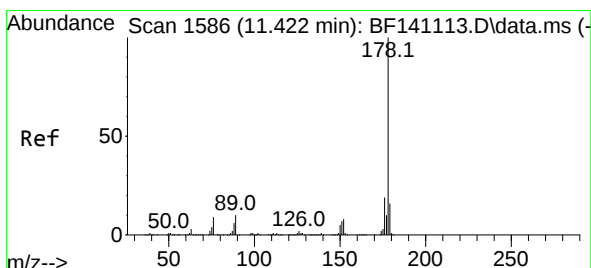
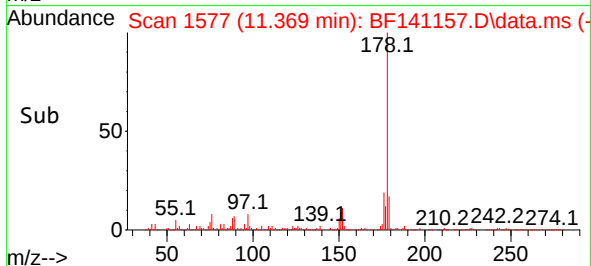
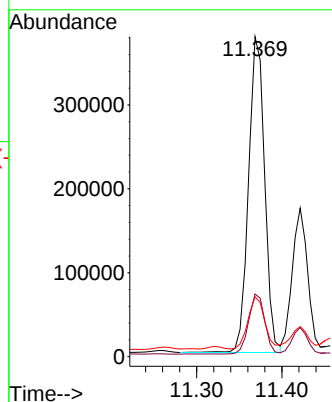
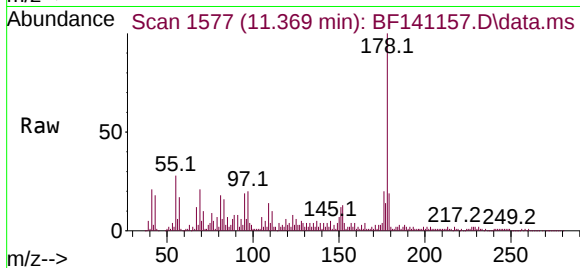
Tgt Ion:178 Resp: 494367

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 18.7 12.6 19.0



#72

Anthracene

Concen: 24.600 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.053 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

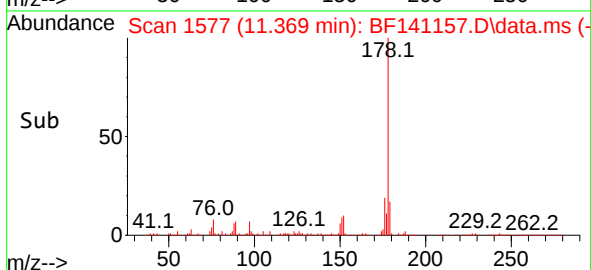
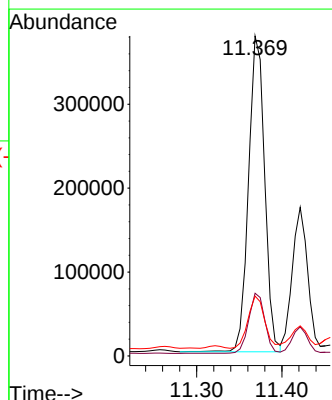
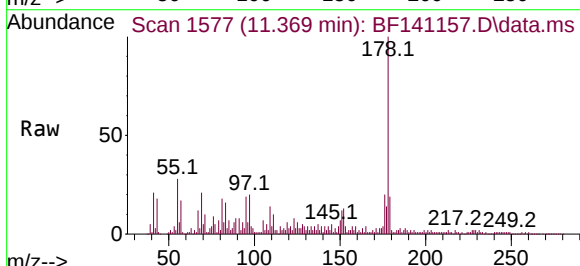
Tgt Ion:178 Resp: 494367

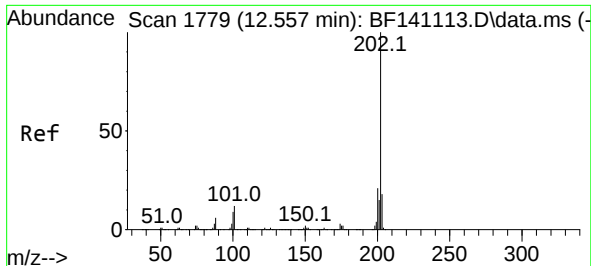
Ion Ratio Lower Upper

178 100

176 19.6 14.9 22.3

179 18.7 12.6 19.0

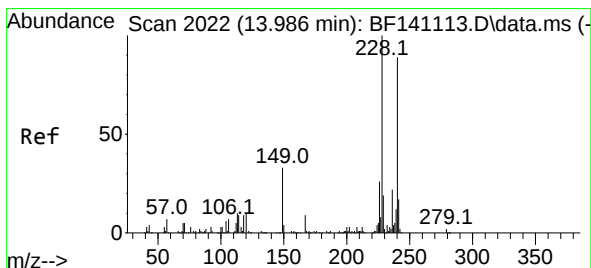
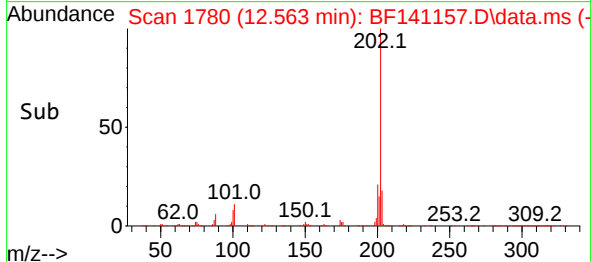
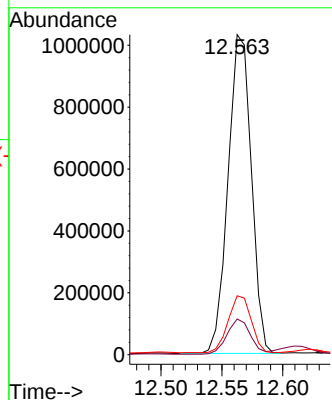
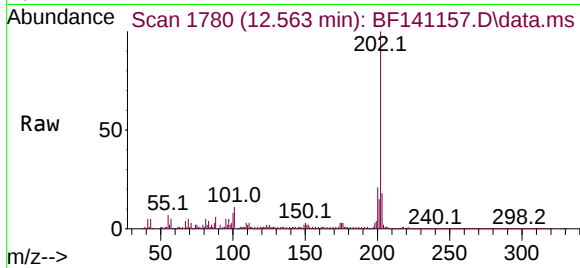




#75
Fluoranthene
Concen: 66.528 ng
RT: 12.563 min Scan# 1779
Delta R.T. 0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

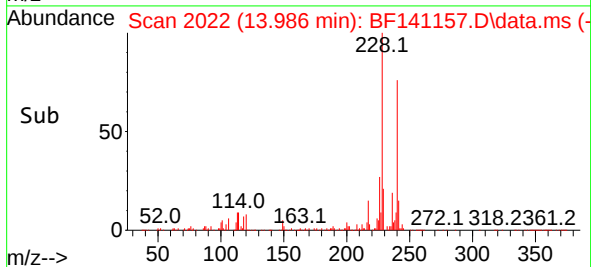
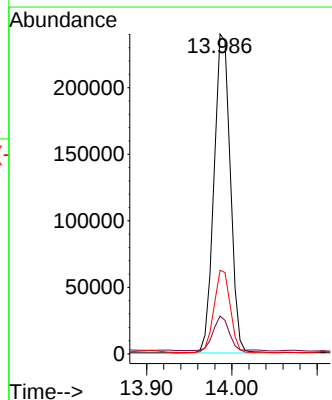
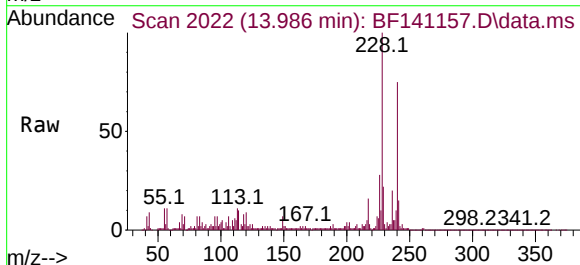
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

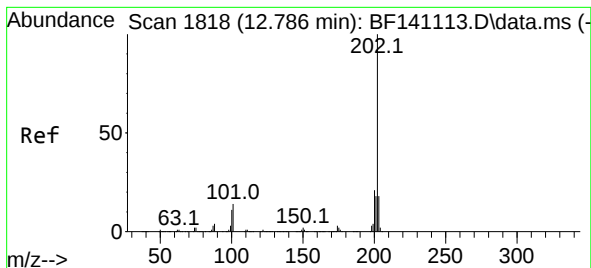
Tgt Ion:202 Resp: 1372112
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.3
203 18.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Tgt Ion:240 Resp: 319215
Ion Ratio Lower Upper
240 100
120 11.8 9.1 13.7
236 26.1 19.8 29.6





#78

Pyrene

Concen: 40.166 ng

RT: 12.792 min Scan# 1818

Delta R.T. 0.006 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

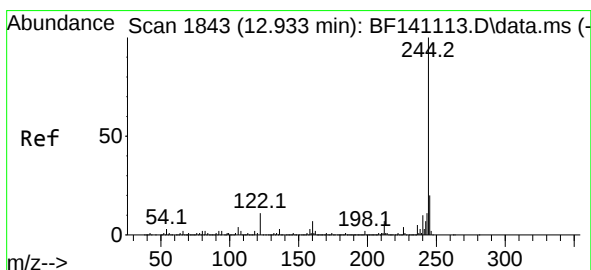
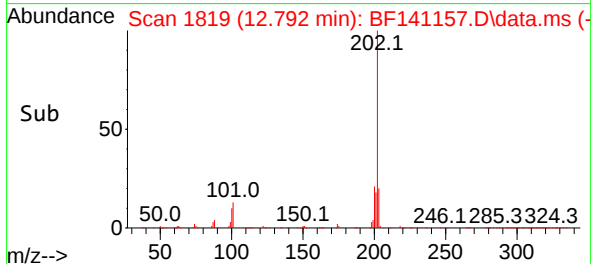
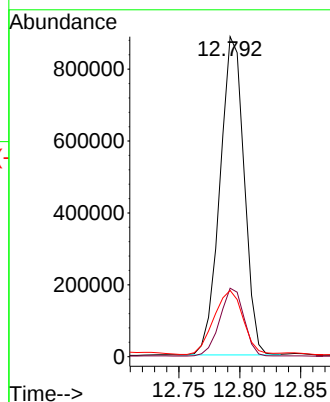
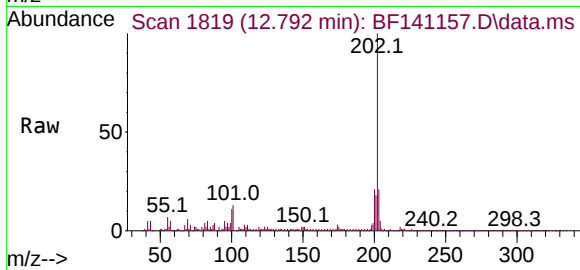
Tgt Ion:202 Resp: 1224641

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 20.7 14.3 21.5



#79

Terphenyl-d14

Concen: 41.602 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

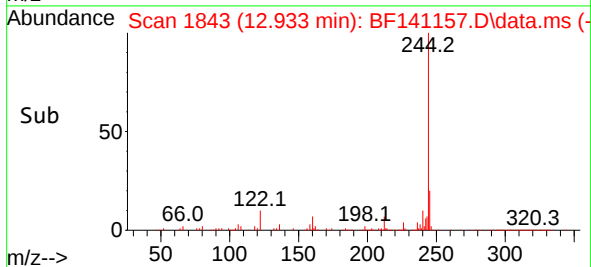
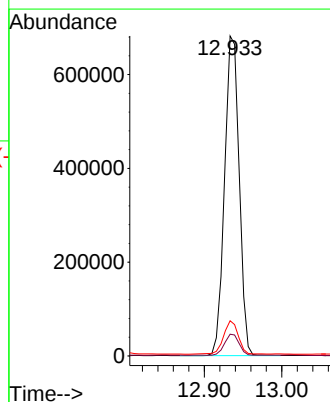
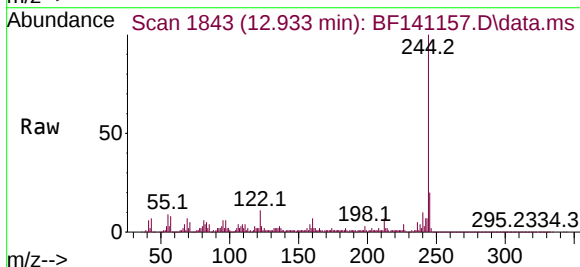
Tgt Ion:244 Resp: 893496

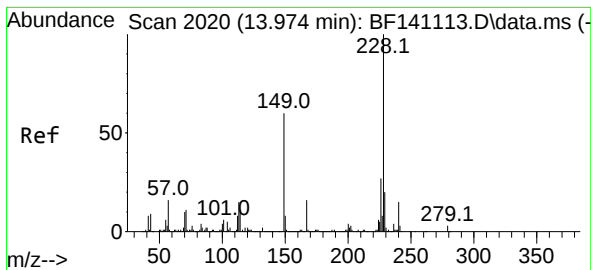
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 11.0 8.8 13.2





#81

Benzo(a)anthracene

Concen: 30.258 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

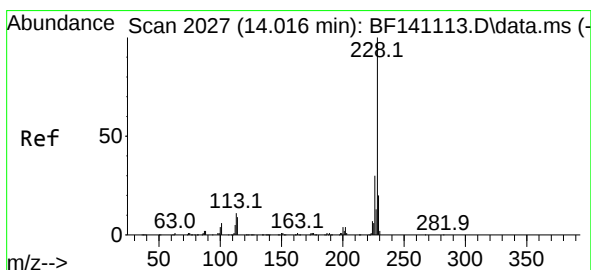
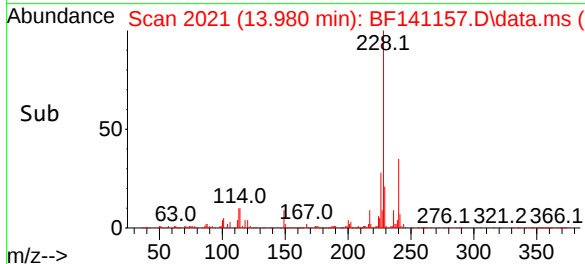
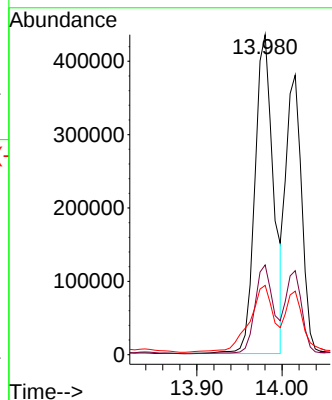
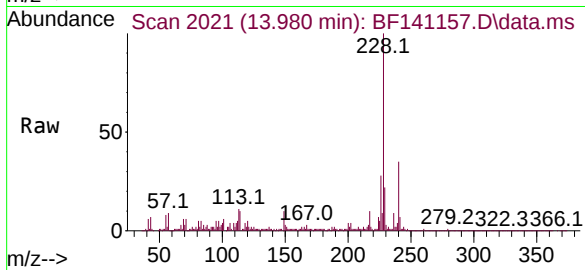
Tgt Ion:228 Resp: 657342

Ion Ratio Lower Upper

228 100

226 28.1 21.7 32.5

229 21.6 15.7 23.5



#83

Chrysene

Concen: 23.887 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

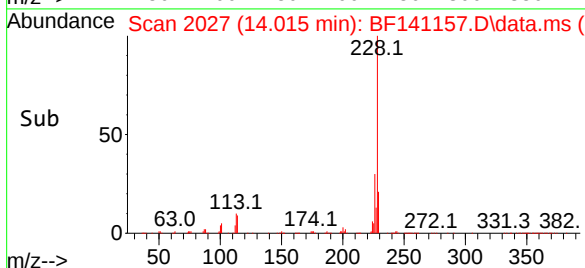
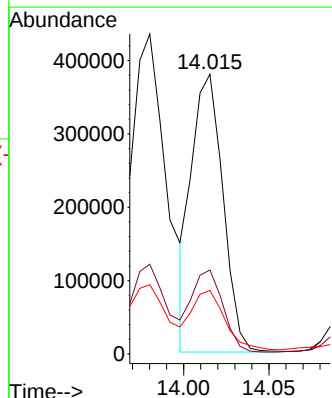
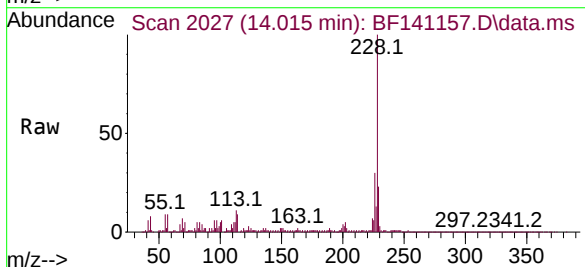
Tgt Ion:228 Resp: 485569

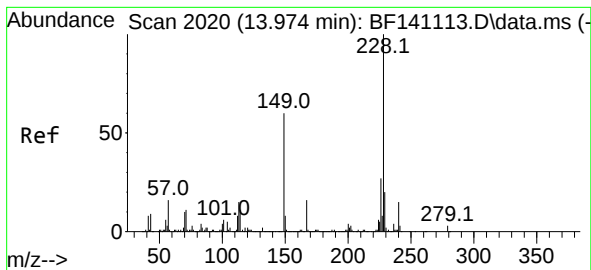
Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 22.7 15.8 23.8

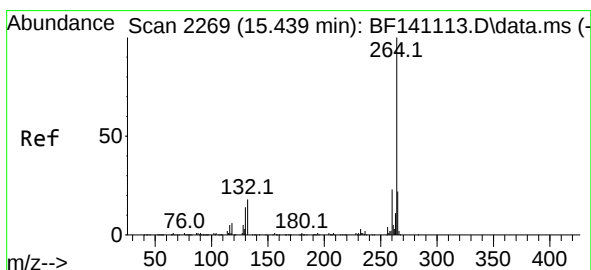
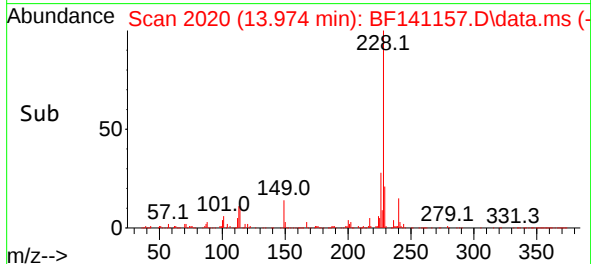
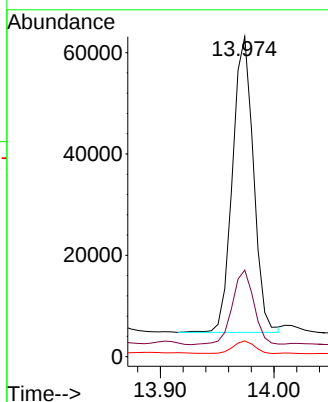
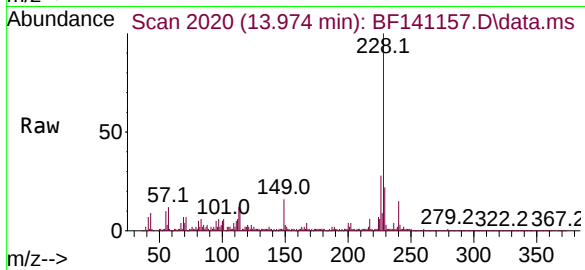




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.105 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

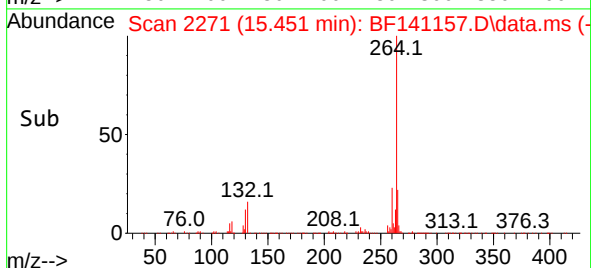
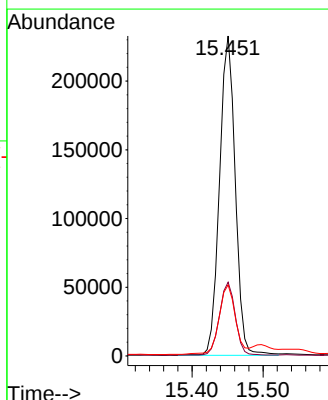
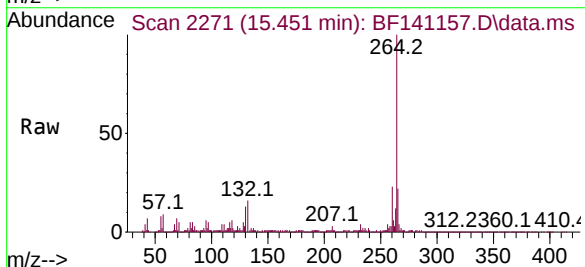
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

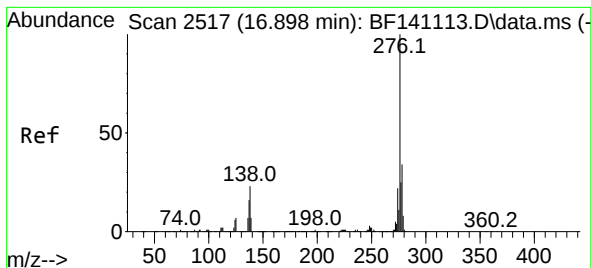
Tgt Ion:149 Resp: 74468
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.2
279 4.9 3.4 5.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Tgt Ion:264 Resp: 356635
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 22.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.870 ng

RT: 16.892 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

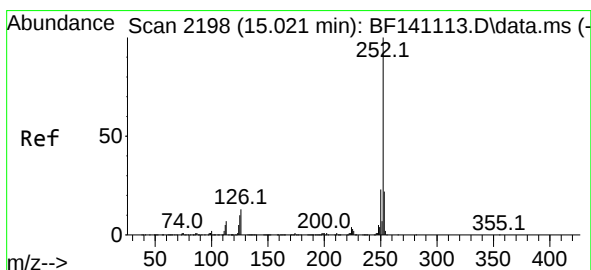
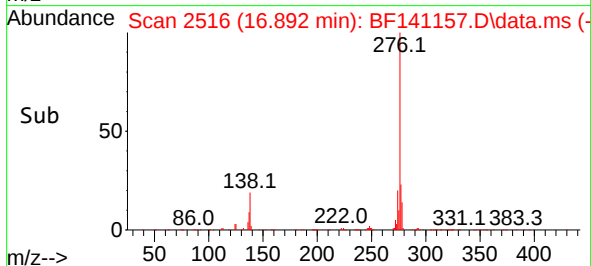
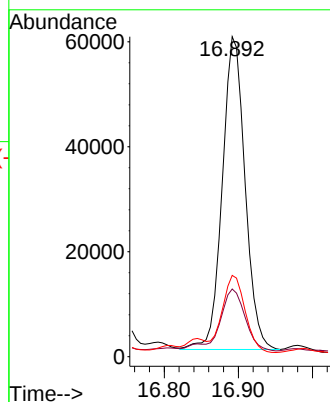
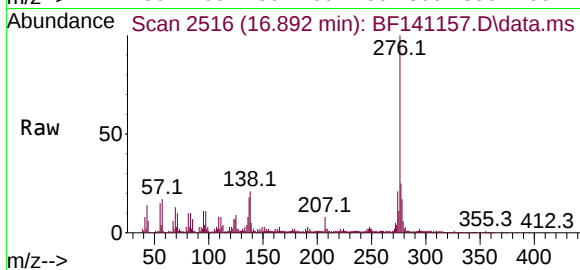
Tgt Ion:276 Resp: 127251

Ion Ratio Lower Upper

276 100

138 22.9 20.7 31.1

277 25.0 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 32.118 ng

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

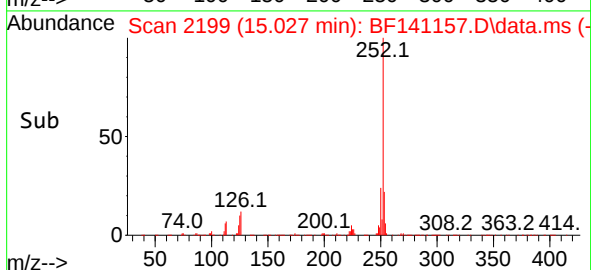
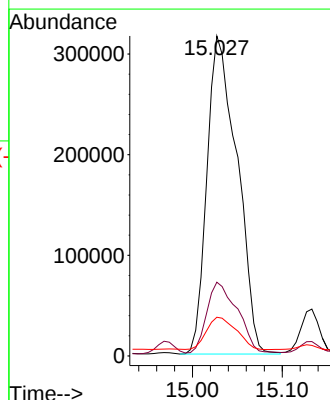
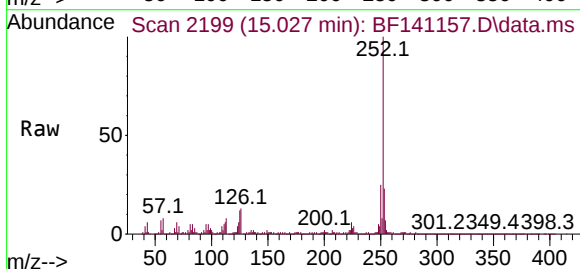
Tgt Ion:252 Resp: 738625

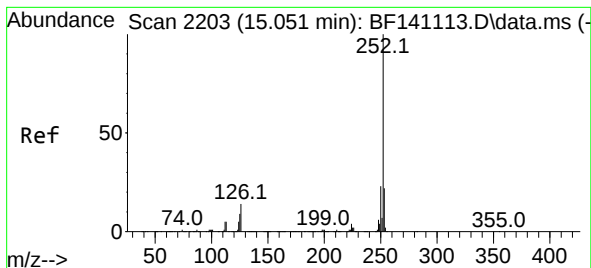
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 12.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 38.006 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

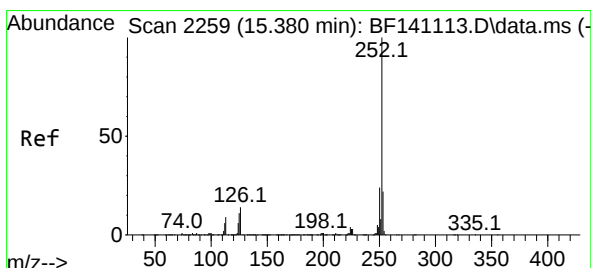
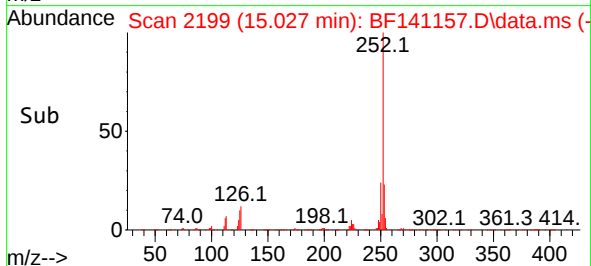
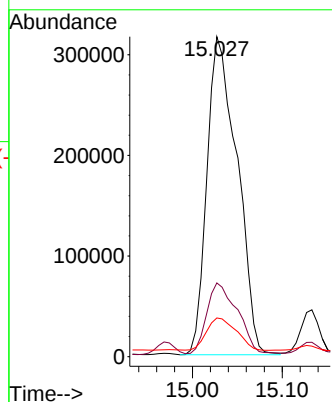
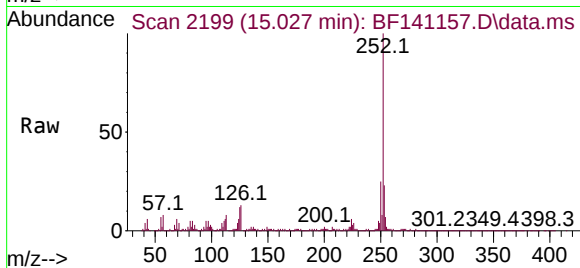
Tgt Ion:252 Resp: 738625

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 12.1 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 18.217 ng

RT: 15.386 min Scan# 2260

Delta R.T. 0.006 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

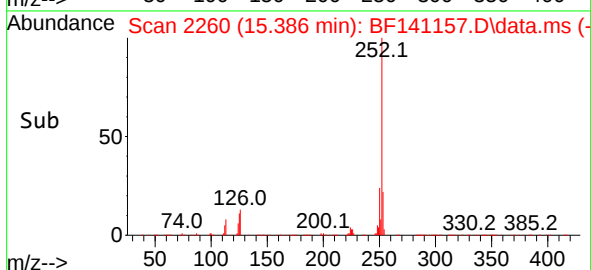
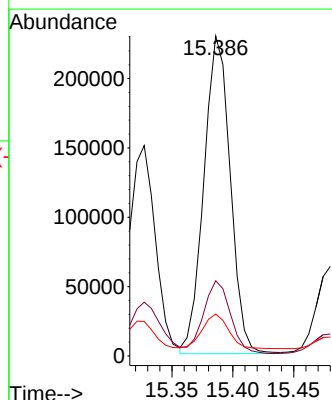
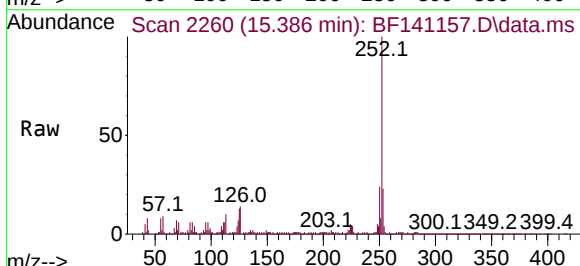
Tgt Ion:252 Resp: 345643

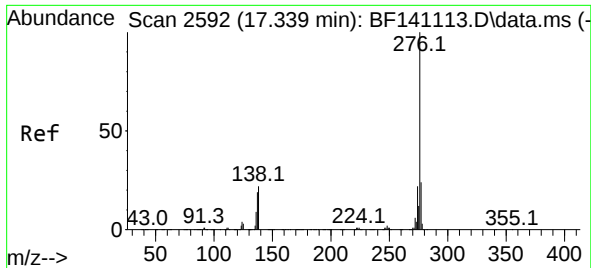
Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

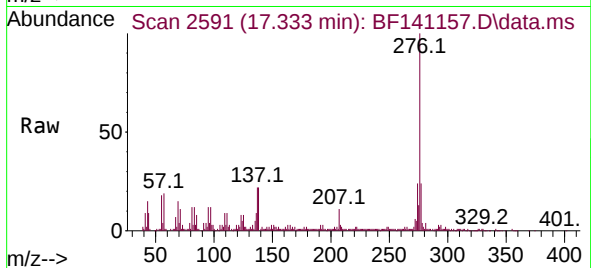
125 13.1 9.1 13.7





#92
 Benzo(g,h,i)perylene
 Concen: 4.820 ng
 RT: 17.333 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141157.D
 Acq: 14 Jan 2025 20:23

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006



Tgt Ion:276 Resp: 105947
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.0 28.4
 138 22.5 17.4 26.2

