

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141730.D
 Acq On : 21 Feb 2025 20:12
 Operator : RC/JU
 Sample : Q1399-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-02202025

Quant Time: Feb 21 21:51:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

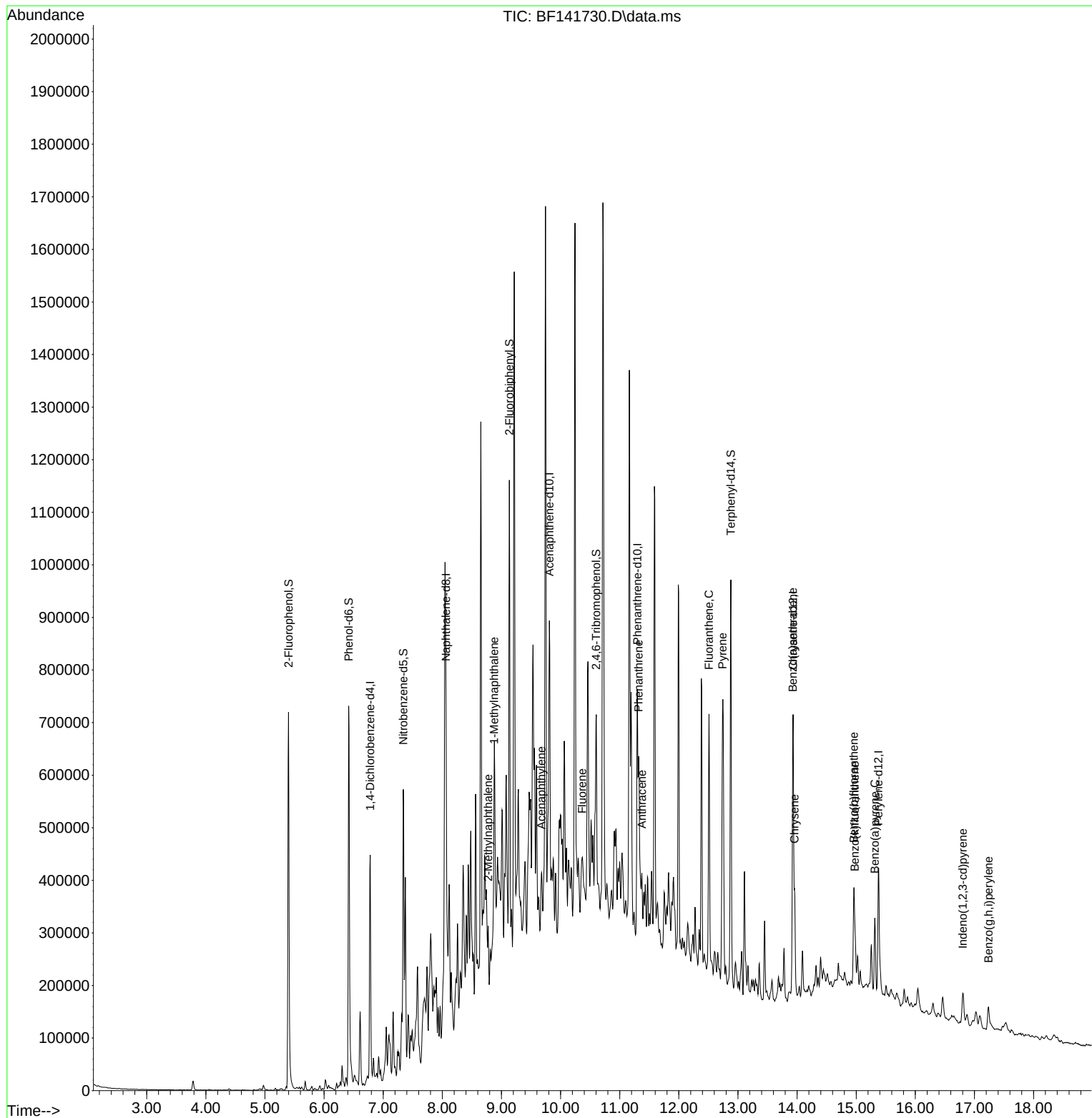
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	89268	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	327206	20.000	ng	#-0.01
39) Acenaphthene-d10	9.810	164	146704	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	222040	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	181400	20.000	ng	-0.03
86) Perylene-d12	15.374	264	135746	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	301777	52.999	ng	-0.01
7) Phenol-d6	6.416	99	367220	51.025	ng	-0.02
23) Nitrobenzene-d5	7.339	82	229638	36.605	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	65640	44.541	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	383432	40.267	ng	-0.02
79) Terphenyl-d14	12.880	244	365437	34.009	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.775	142	36217	3.268	ng	97
38) 1-Methylnaphthalene	8.875	142	27410	2.553	ng	91
49) Acenaphthylene	9.675	152	26221	2.096	ng	# 89
58) Fluorene	10.363	166	29110	3.050	ng	# 87
71) Phenanthrene	11.321	178	162646	13.307	ng	99
72) Anthracene	11.374	178	44790	3.645	ng	96
75) Fluoranthene	12.510	202	273628	21.116	ng	99
78) Pyrene	12.739	202	250552	16.225	ng	99
81) Benzo(a)anthracene	13.927	228	145251	12.046	ng	94
83) Chrysene	13.957	228	99836	8.967	ng	97
87) Indeno(1,2,3-cd)pyrene	16.803	276	42501	5.067	ng	99
88) Benzo(b)fluoranthene	14.962	252	109512m	12.015	ng	
89) Benzo(k)fluoranthene	14.974	252	49296m	6.334	ng	
90) Benzo(a)pyrene	15.315	252	77783	10.546	ng	# 94
92) Benzo(g,h,i)perylene	17.239	276	39523	5.557	ng	97

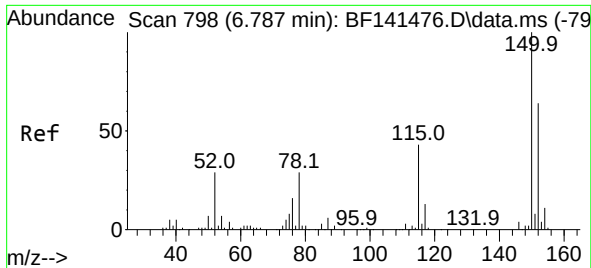
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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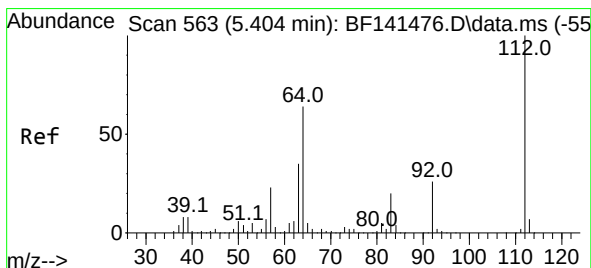
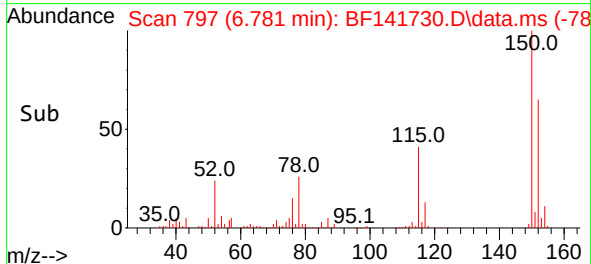
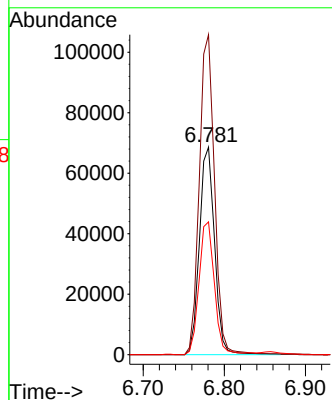
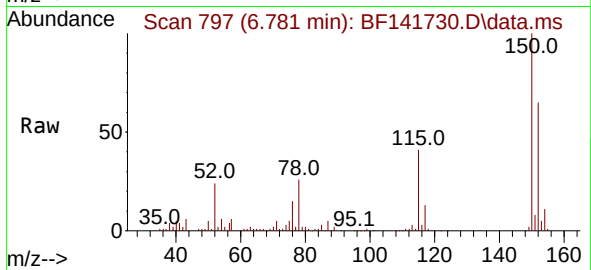




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141730.D
 Acq: 21 Feb 2025 20:12

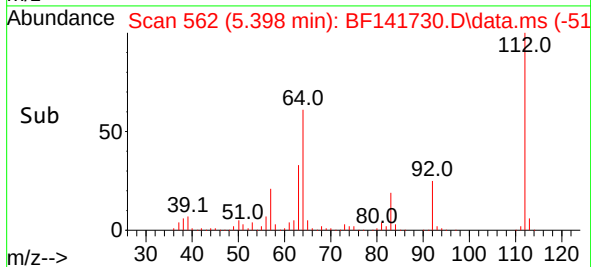
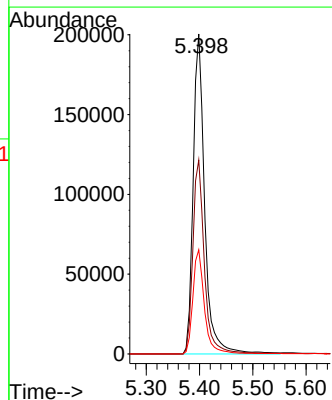
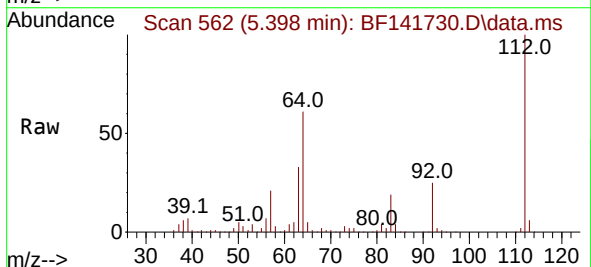
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-02202025

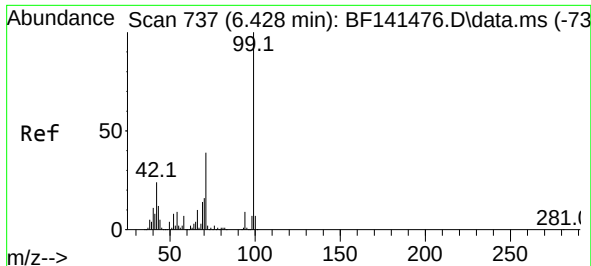
Tgt Ion:152 Resp: 89268
 Ion Ratio Lower Upper
 152 100
 150 154.3 125.0 187.4
 115 64.0 53.6 80.4



#5
 2-Fluorophenol
 Concen: 52.999 ng
 RT: 5.398 min Scan# 562
 Delta R.T. -0.012 min
 Lab File: BF141730.D
 Acq: 21 Feb 2025 20:12

Tgt Ion:112 Resp: 301777
 Ion Ratio Lower Upper
 112 100
 64 60.6 51.1 76.7
 63 32.5 28.4 42.6

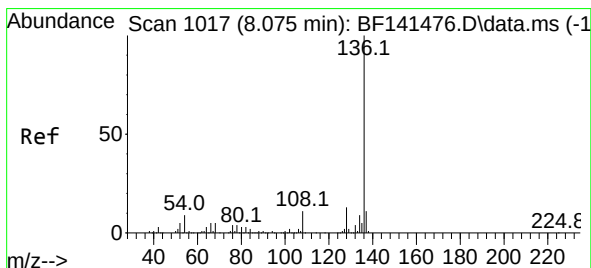
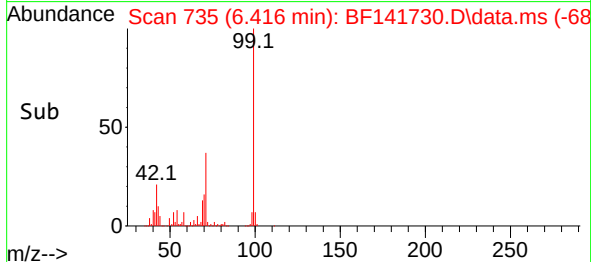
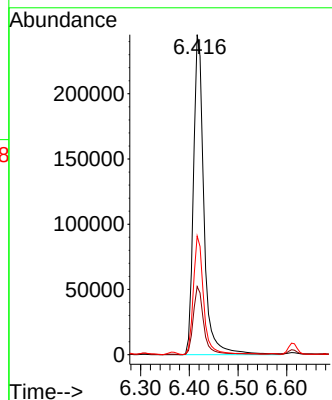
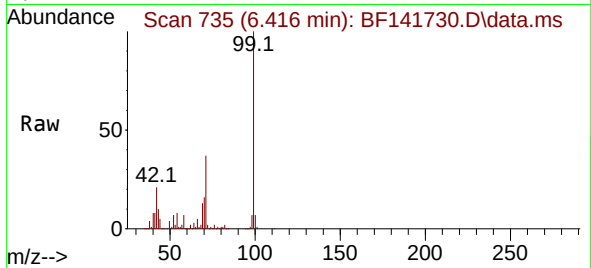




#7
Phenol-d6
Concen: 51.025 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

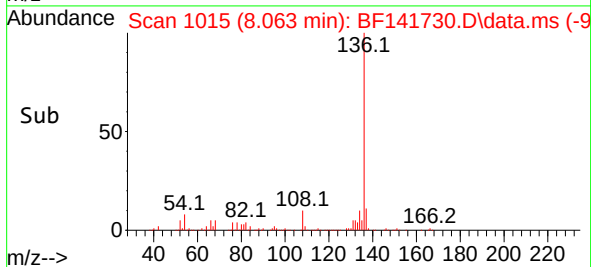
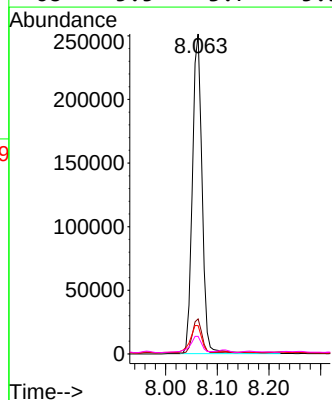
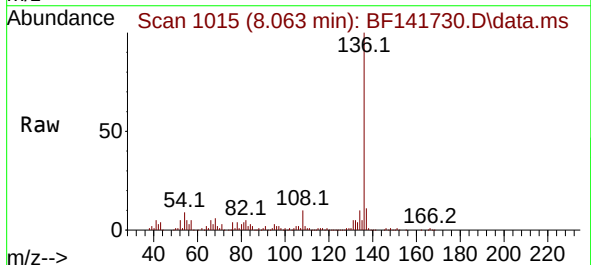
Instrument :
BNA_F
ClientSampleId :
SU-04-02202025

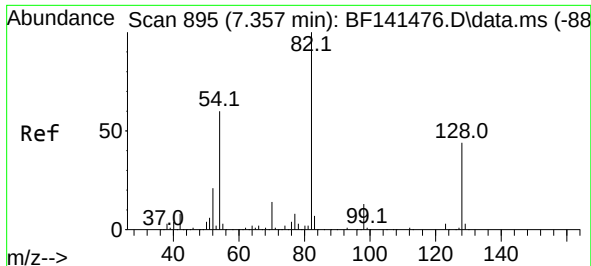
Tgt Ion: 99 Resp: 367220
Ion Ratio Lower Upper
99 100
42 21.3 19.1 28.7
71 37.1 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

Tgt Ion: 136 Resp: 327206
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.9 7.2 10.8
68 5.5 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 36.605 ng

RT: 7.339 min Scan# 895

Delta R.T. -0.024 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Instrument :

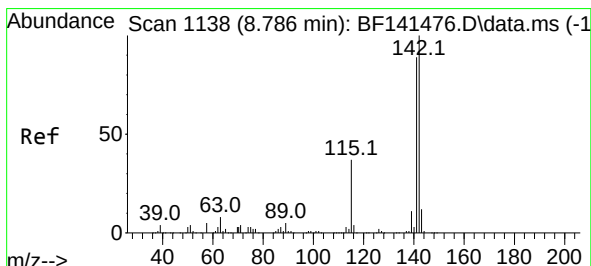
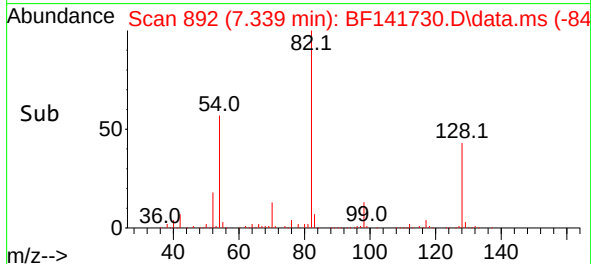
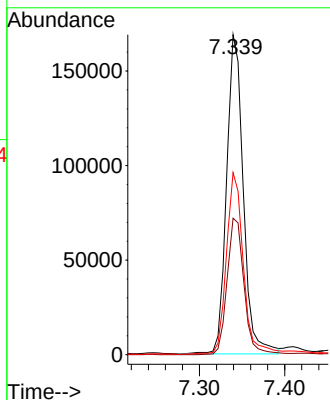
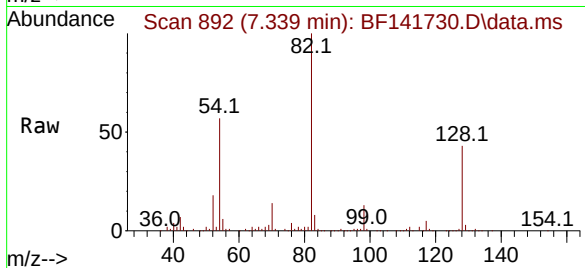
BNA_F

ClientSampleId :

SU-04-02202025

Tgt Ion: 82 Resp: 229638

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	56.9	48.2	72.4



#37

2-Methylnaphthalene

Concen: 3.268 ng

RT: 8.775 min Scan# 1136

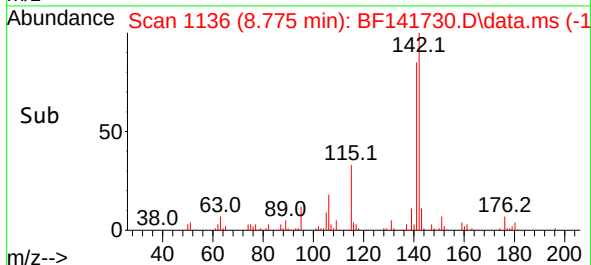
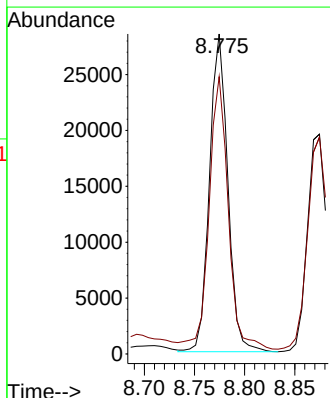
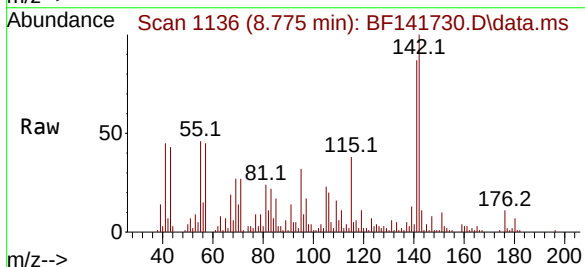
Delta R.T. -0.012 min

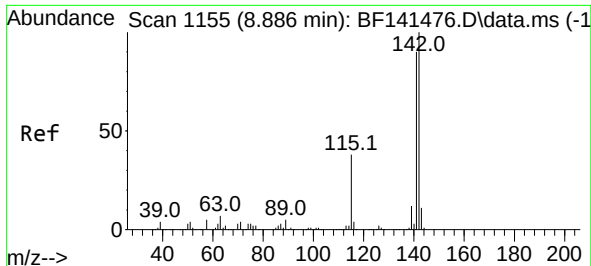
Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Tgt Ion: 142 Resp: 36217

Ion	Ratio	Lower	Upper
142	100		
141	86.6	71.2	106.8





#38

1-Methylnaphthalene

Concen: 2.553 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.012 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

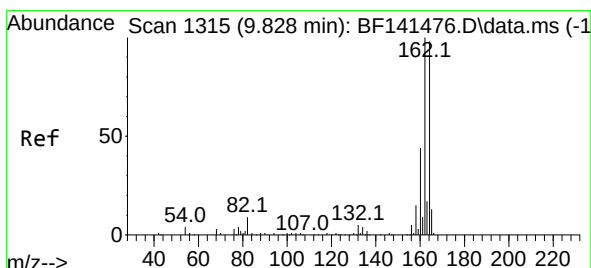
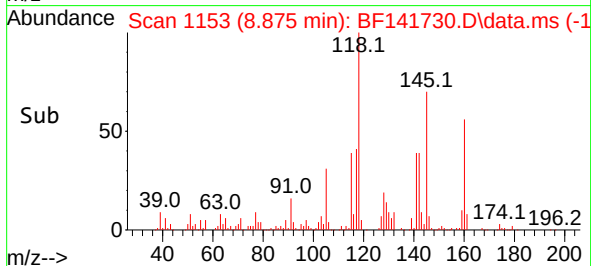
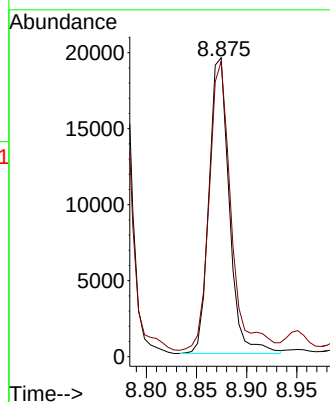
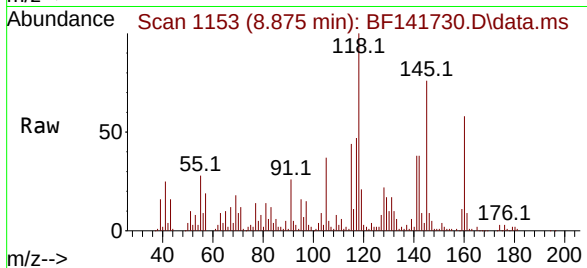
SU-04-02202025

Tgt Ion:142 Resp: 27410

Ion Ratio Lower Upper

142 100

141 98.7 72.1 108.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.024 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

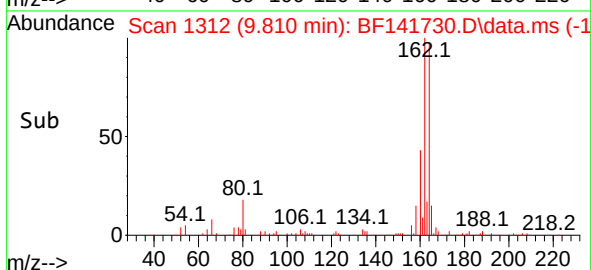
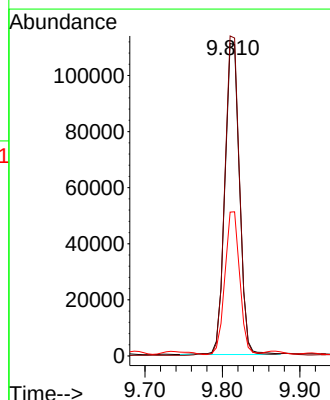
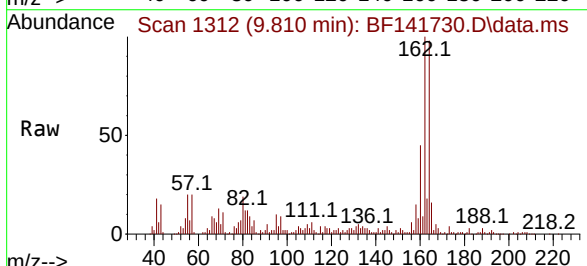
Tgt Ion:164 Resp: 146704

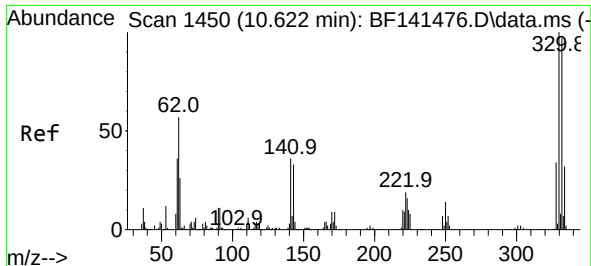
Ion Ratio Lower Upper

164 100

162 102.4 81.3 121.9

160 46.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 44.541 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141730.D

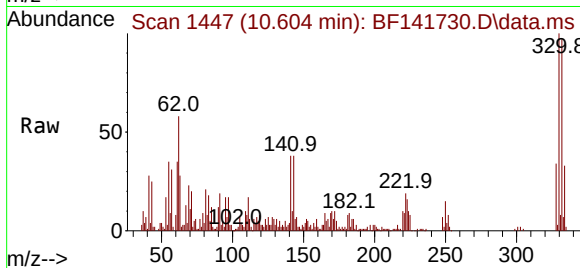
Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025



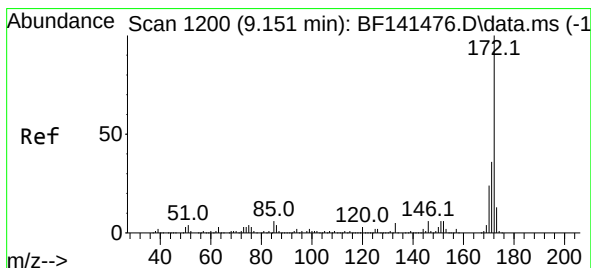
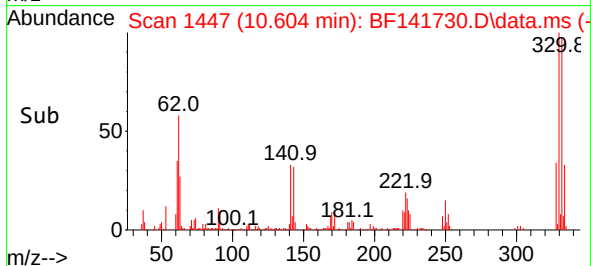
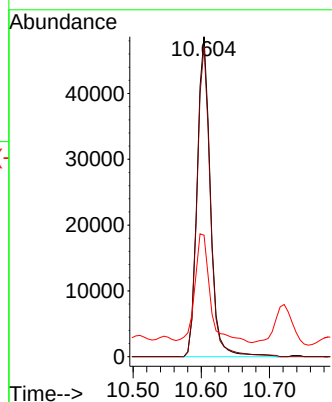
Tgt Ion:330 Resp: 65640

Ion Ratio Lower Upper

330 100

332 96.9 78.5 117.7

141 39.1 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 40.267 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

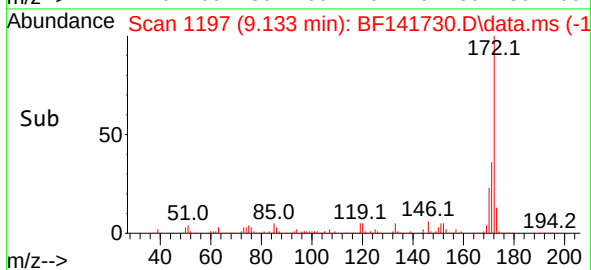
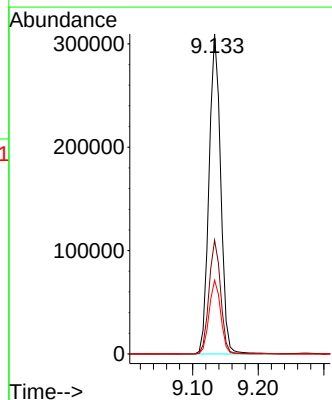
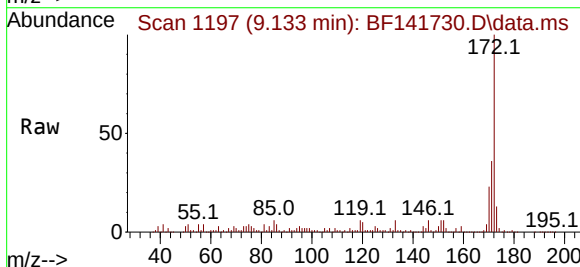
Tgt Ion:172 Resp: 383432

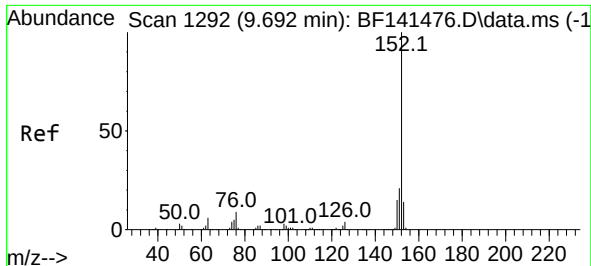
Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.1 18.9 28.3

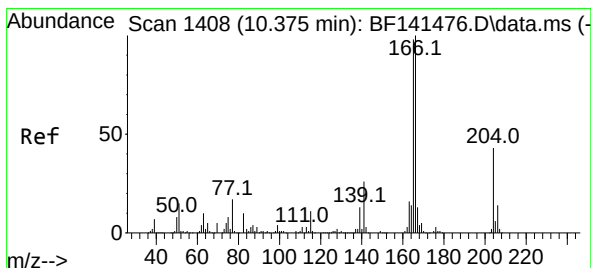
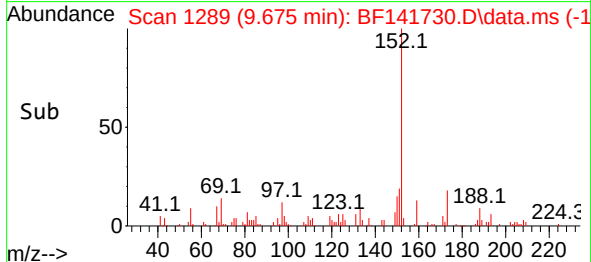
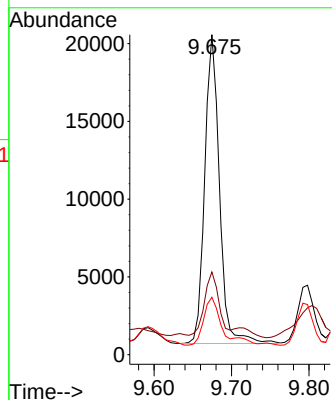
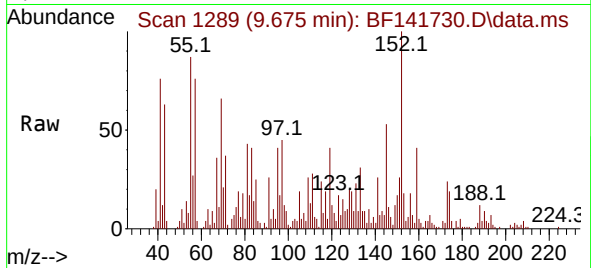




#49
Acenaphthylene
Concen: 2.096 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

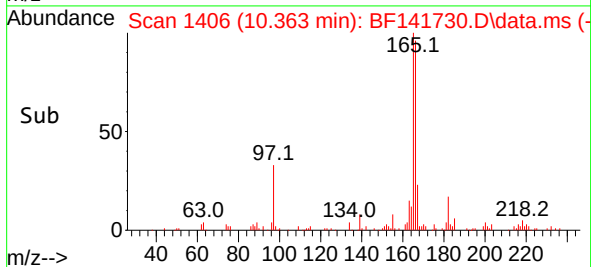
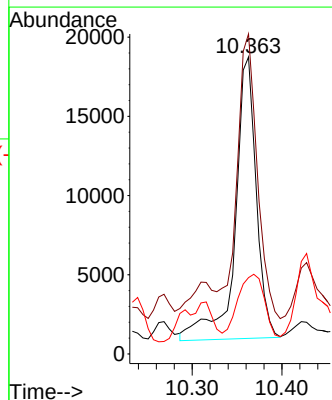
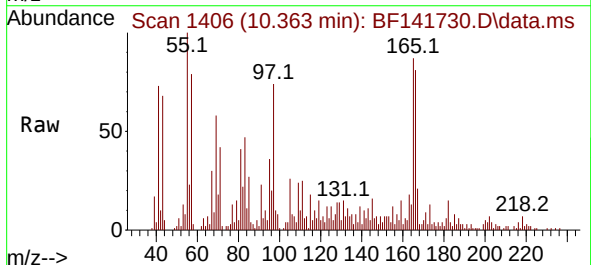
Instrument :
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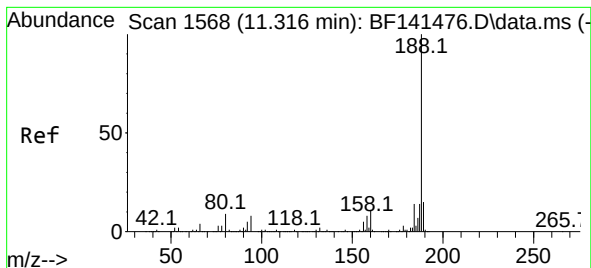
Tgt Ion:152 Resp: 26221
Ion Ratio Lower Upper
152 100
151 25.8 16.4 24.6#
153 18.0 10.9 16.3#



#58
Fluorene
Concen: 3.050 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.018 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

Tgt Ion:166 Resp: 29110
Ion Ratio Lower Upper
166 100
165 107.8 78.2 117.2
167 25.7 10.7 16.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025

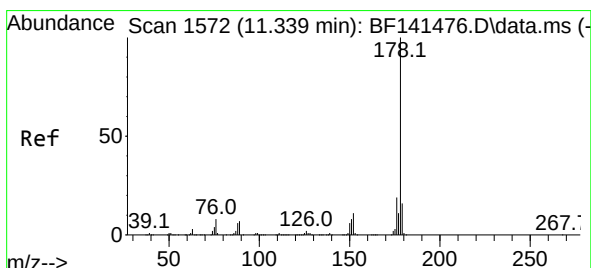
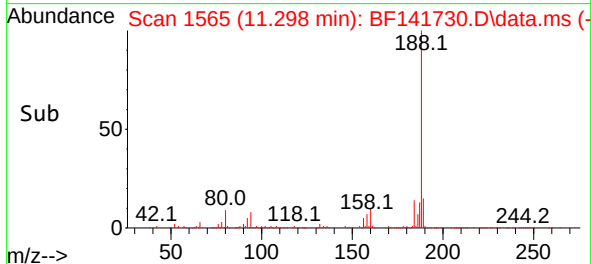
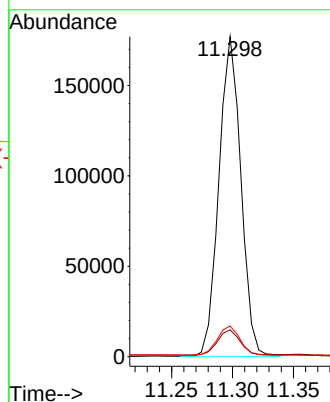
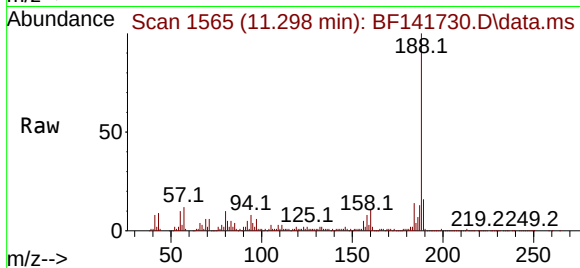
Tgt Ion:188 Resp: 222040

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 9.6 7.3 10.9



#71

Phenanthrene

Concen: 13.307 ng

RT: 11.321 min Scan# 1569

Delta R.T. -0.024 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

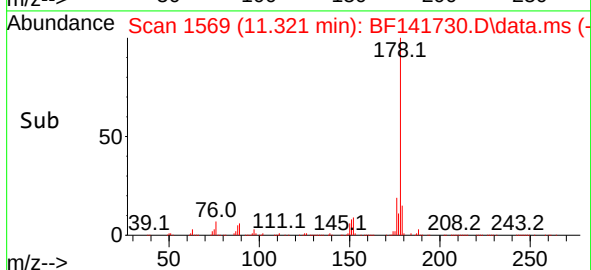
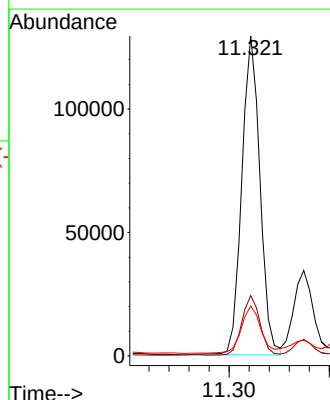
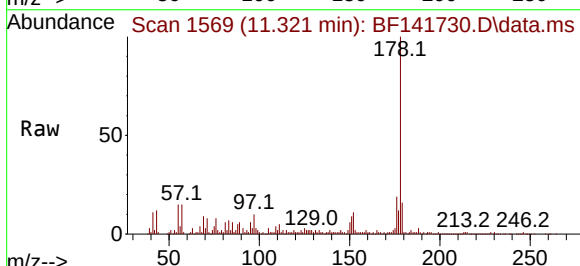
Tgt Ion:178 Resp: 162646

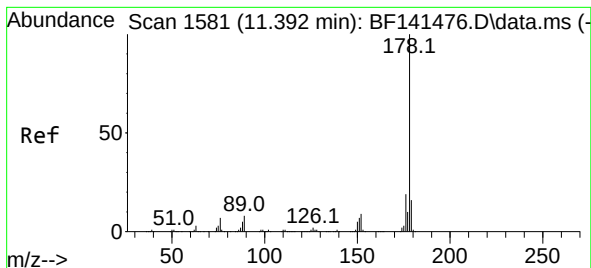
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.7 12.4 18.6





#72

Anthracene

Concen: 3.645 ng

RT: 11.374 min Scan# 11

Delta R.T. -0.024 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025

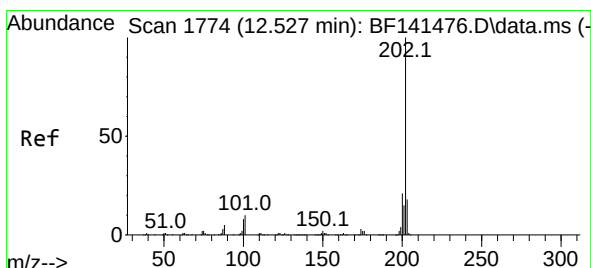
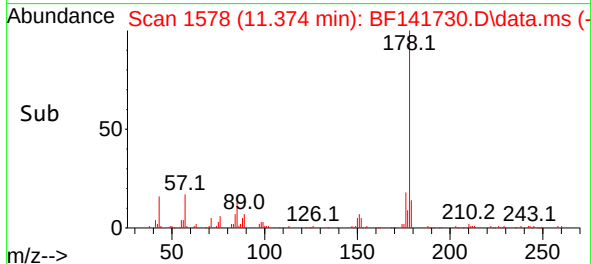
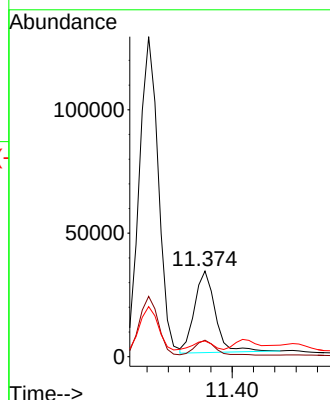
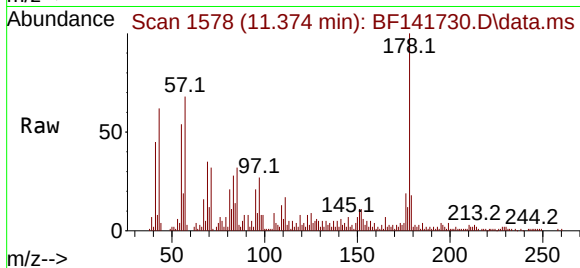
Tgt Ion:178 Resp: 44790

Ion Ratio Lower Upper

178 100

176 19.3 14.8 22.2

179 18.4 12.4 18.6



#75

Fluoranthene

Concen: 21.116 ng

RT: 12.510 min Scan# 1771

Delta R.T. -0.024 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

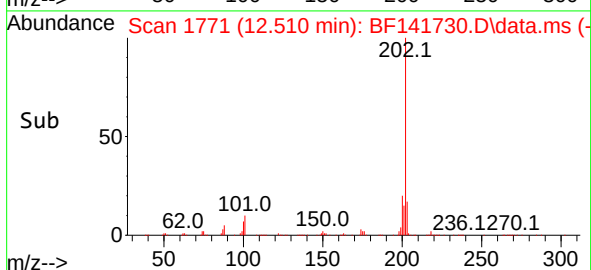
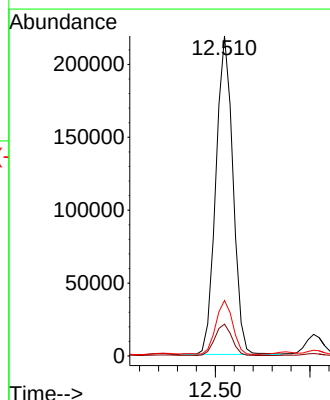
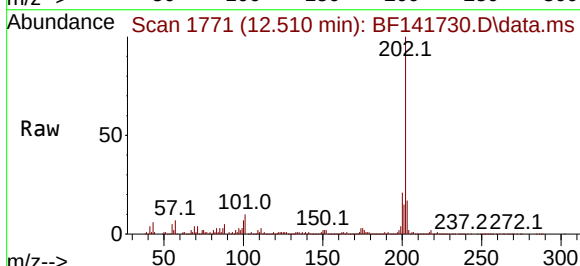
Tgt Ion:202 Resp: 273628

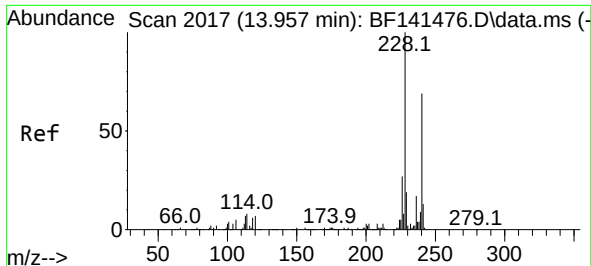
Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

203 17.4 0.0 37.6

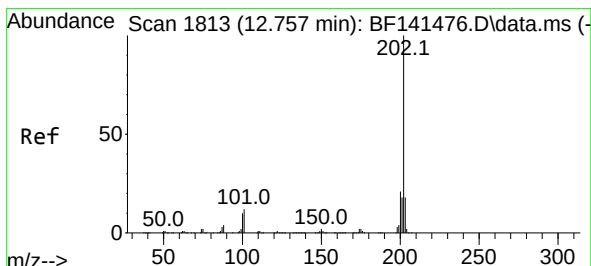
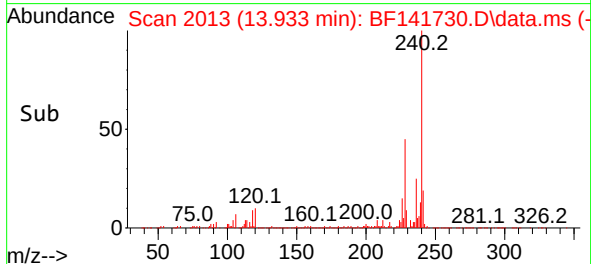
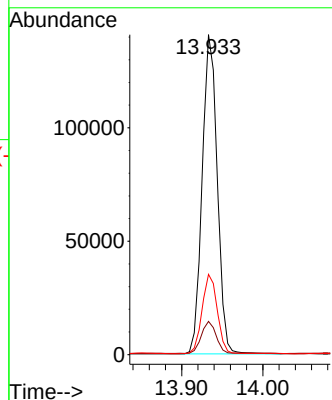
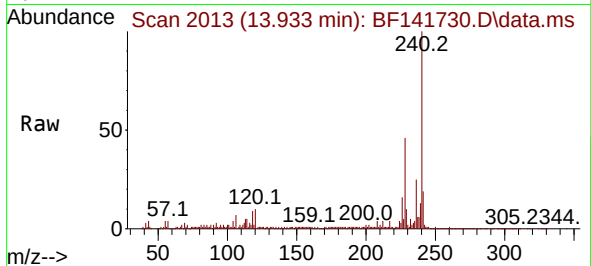




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.029 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

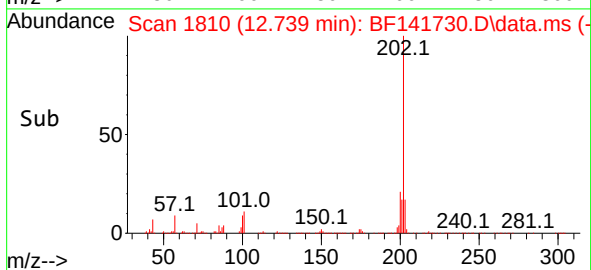
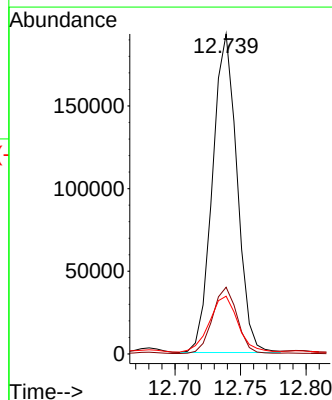
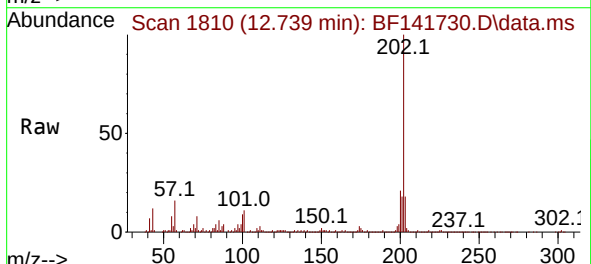
Instrument :
BNA_F
ClientSampleId :
SU-04-02202025

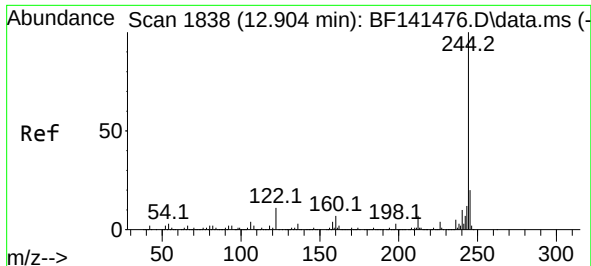
Tgt Ion:240 Resp: 181400
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 25.1 19.8 29.8



#78
Pyrene
Concen: 16.225 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.024 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

Tgt Ion:202 Resp: 250552
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.1 14.3 21.5

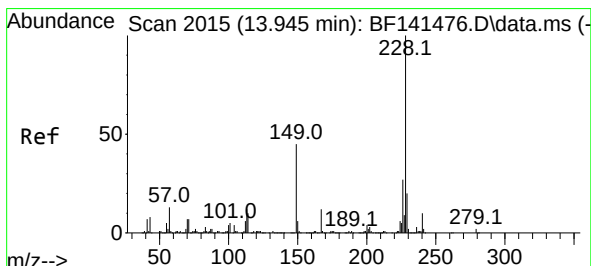
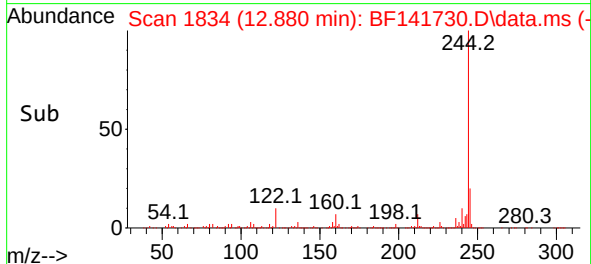
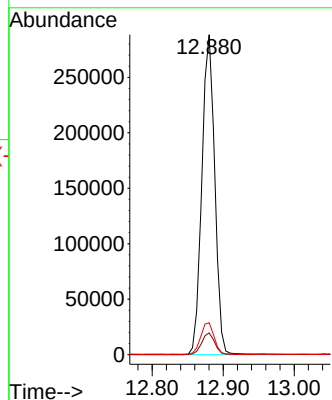
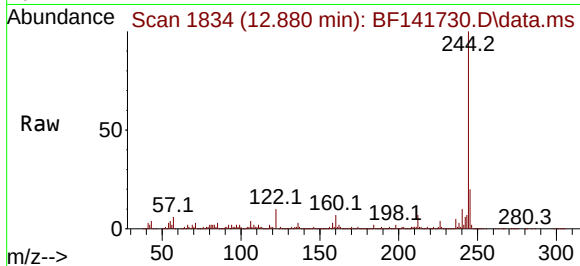




#79
 Terphenyl-d14
 Concen: 34.009 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: BF141730.D
 Acq: 21 Feb 2025 20:12

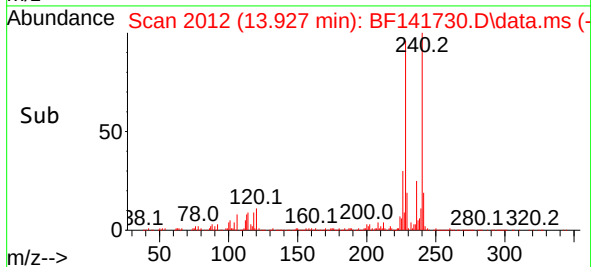
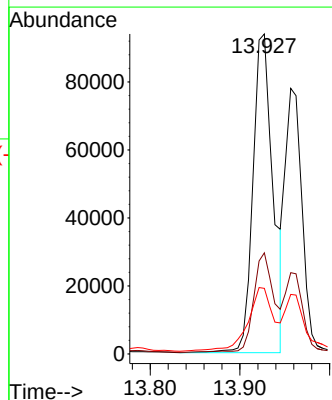
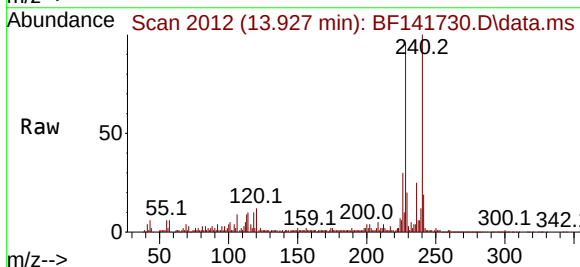
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-02202025

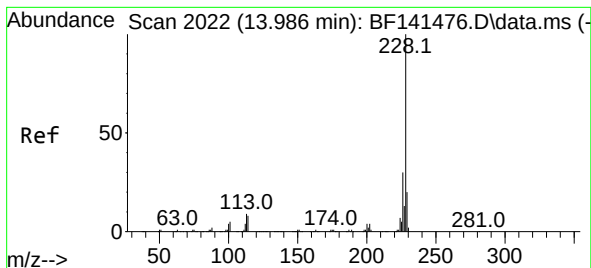
Tgt Ion:244 Resp: 365437
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.0 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 12.046 ng
 RT: 13.927 min Scan# 2012
 Delta R.T. -0.024 min
 Lab File: BF141730.D
 Acq: 21 Feb 2025 20:12

Tgt Ion:228 Resp: 145251
 Ion Ratio Lower Upper
 228 100
 226 31.6 21.8 32.8
 229 20.5 15.8 23.6





#83

Chrysene

Concen: 8.967 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025

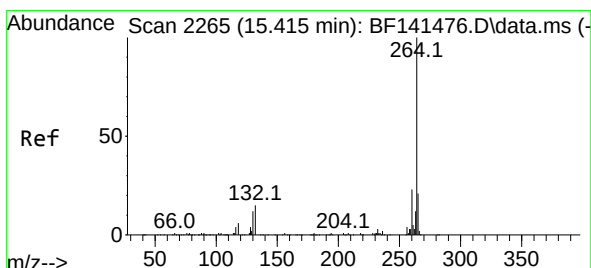
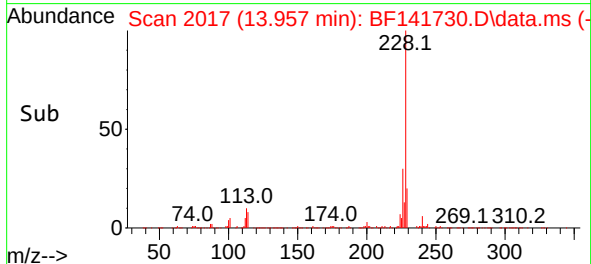
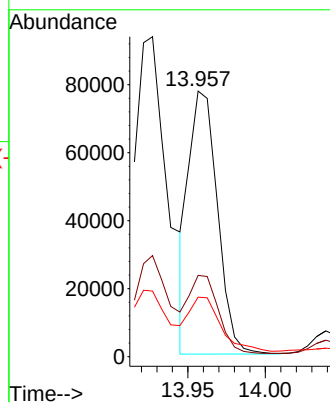
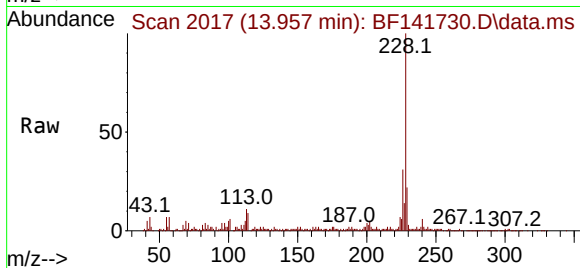
Tgt Ion:228 Resp: 99836

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

229 22.4 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.041 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

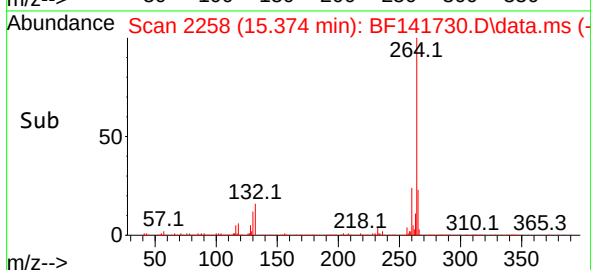
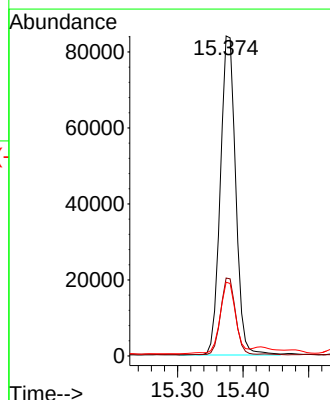
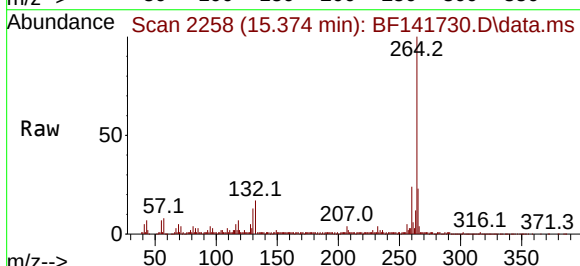
Tgt Ion:264 Resp: 135746

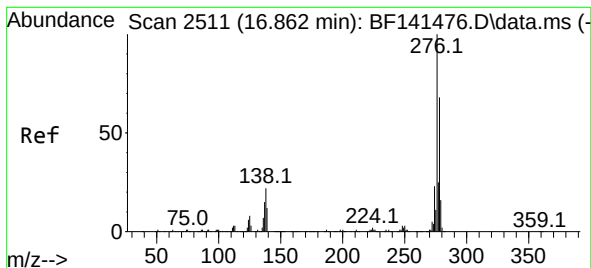
Ion Ratio Lower Upper

264 100

260 24.4 18.6 28.0

265 23.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.067 ng

RT: 16.803 min Scan# 2180

Delta R.T. -0.071 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025

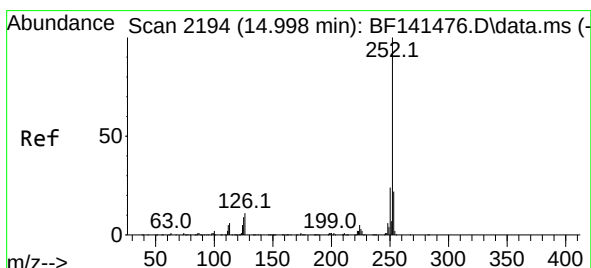
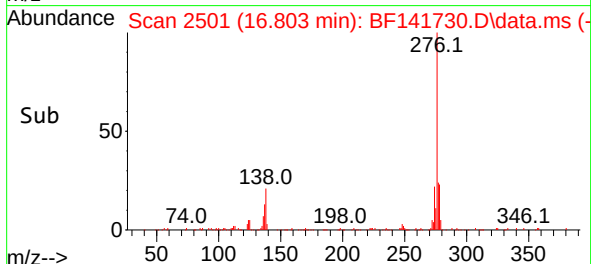
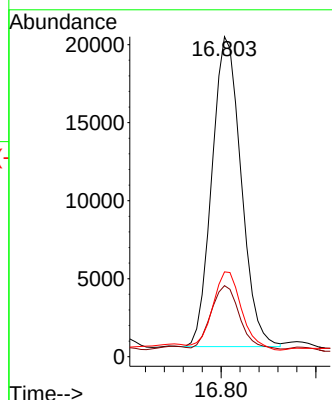
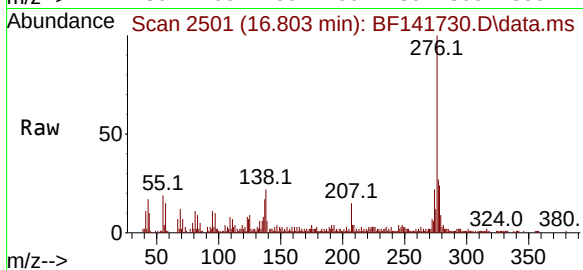
Tgt Ion:276 Resp: 42501

Ion Ratio Lower Upper

276 100

138 21.3 18.0 27.0

277 25.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 12.015 ng m

RT: 14.962 min Scan# 2188

Delta R.T. -0.041 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

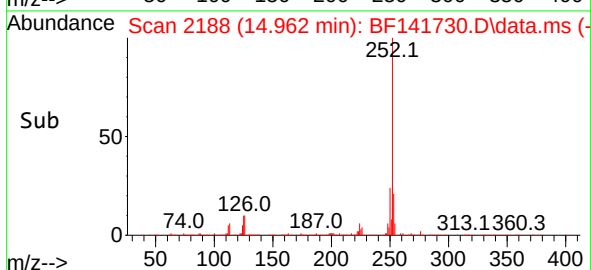
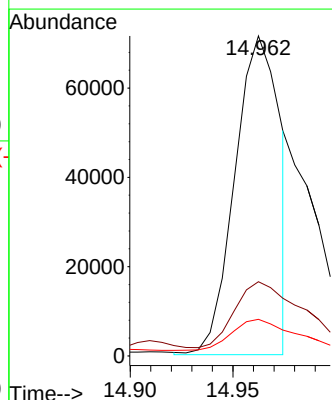
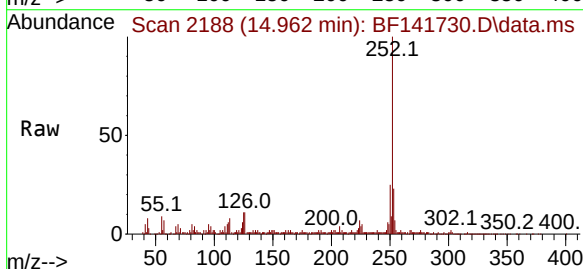
Tgt Ion:252 Resp: 109512

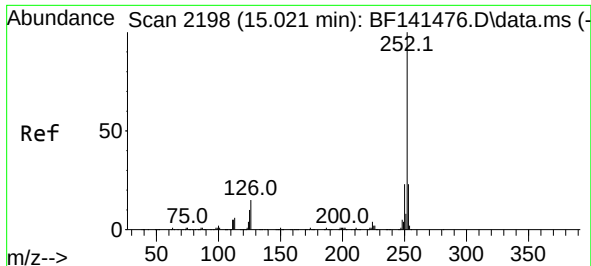
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 11.5 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 6.334 ng m

RT: 14.974 min Scan# 21

Delta R.T. -0.059 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025

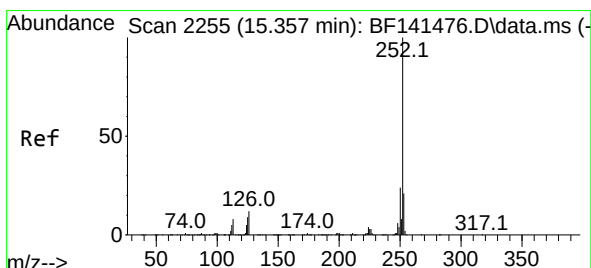
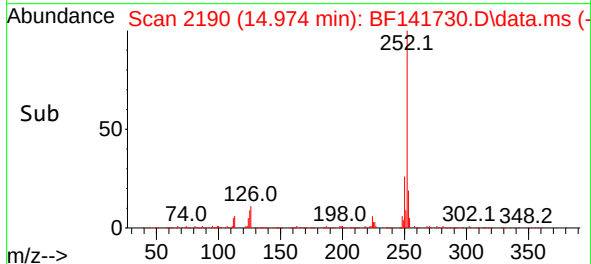
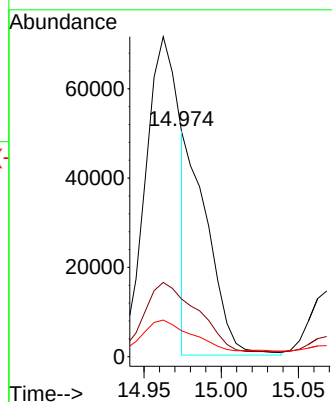
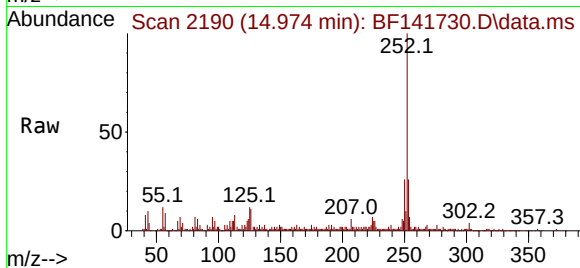
Tgt Ion:252 Resp: 49296

Ion Ratio Lower Upper

252 100

253 25.6 18.0 27.0

125 11.5 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 10.546 ng

RT: 15.315 min Scan# 2248

Delta R.T. -0.047 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

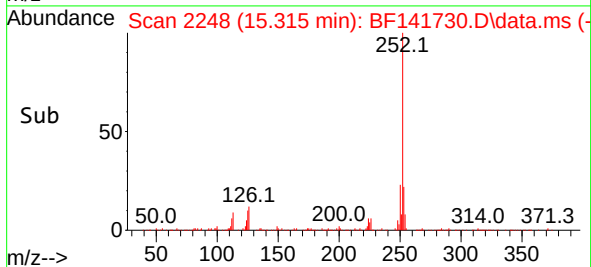
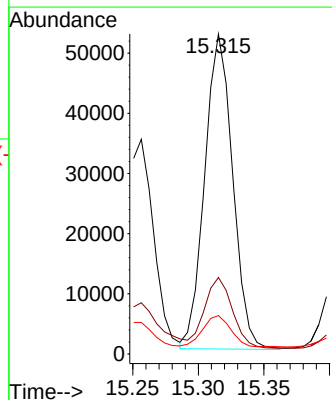
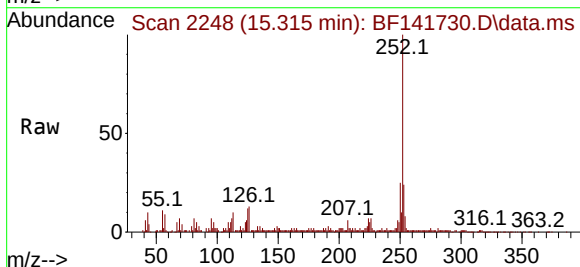
Tgt Ion:252 Resp: 77783

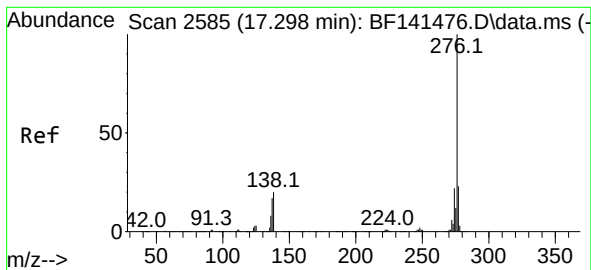
Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 12.0 7.4 11.2#





#92

Benzo(g,h,i)perylene

Concen: 5.557 ng

RT: 17.239 min Scan# 21

Delta R.T. -0.076 min

Lab File: BF141730.D

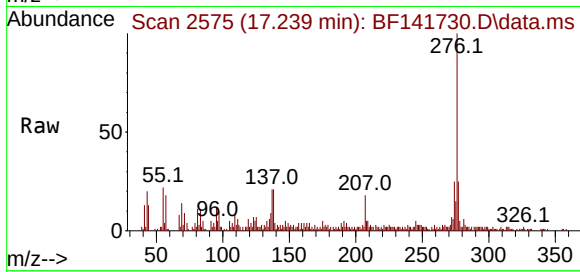
Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025



Tgt Ion:276 Resp: 39523

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 21.4 15.9 23.9

