

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)

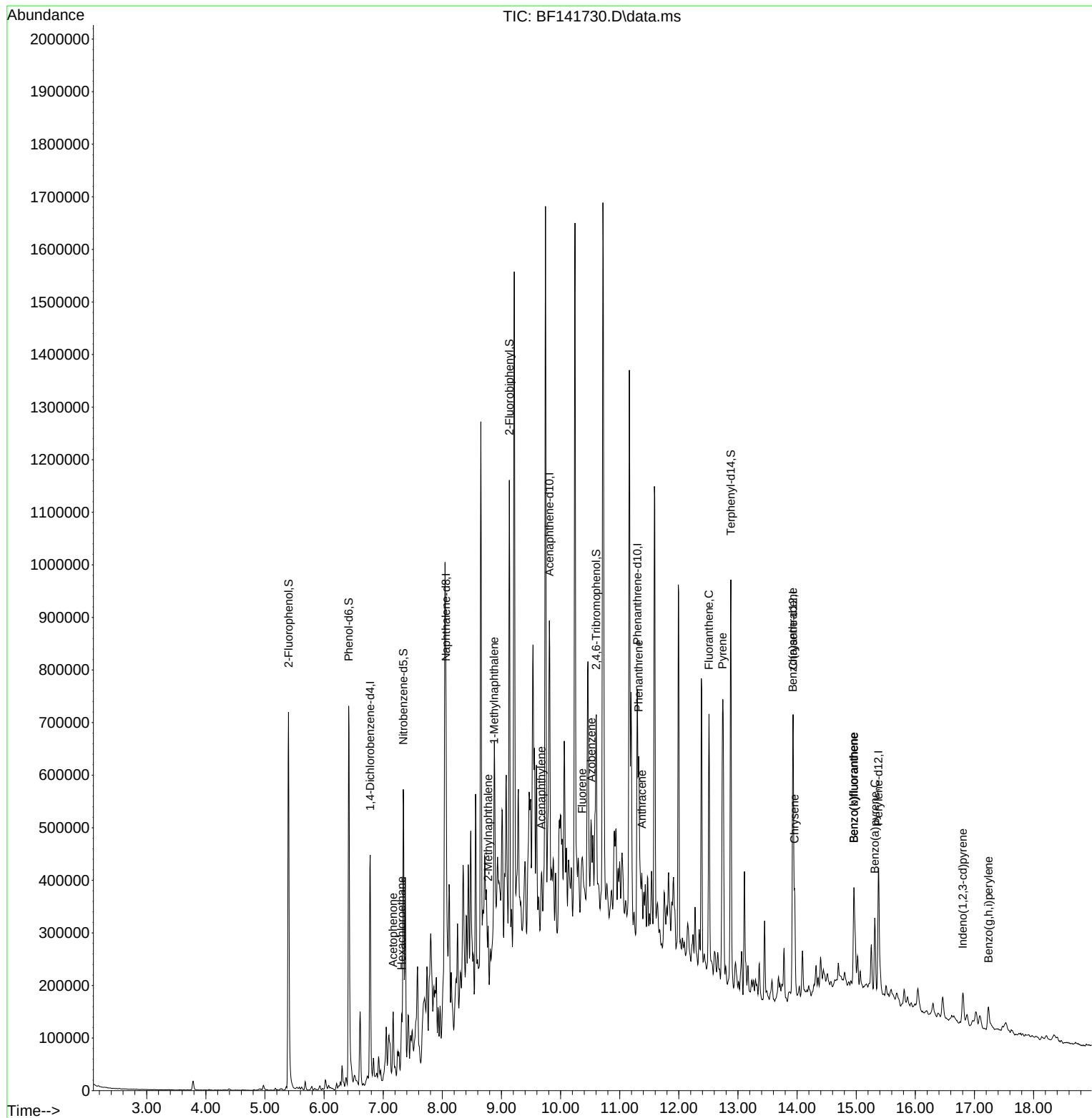
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	89268	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	327206	20.000	ng	#-0.01
39) Acenaphthene-d10	9.810	164	146704	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	222040	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	181400	20.000	ng	-0.03
86) Perylene-d12	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
18) Hexachloroethane	7.310	117	6423	2.615	ng	# 1
22) Acetophenone	7.169	105	17654	2.169	ng	# 44
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
63) Azobenzene	10.522	77	24961	2.562	ng	# 1
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	156176	17.135	ng	# 96
89) Benzo(k)fluoranthene	14.962	252	156176	20.066	ng	# 97
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

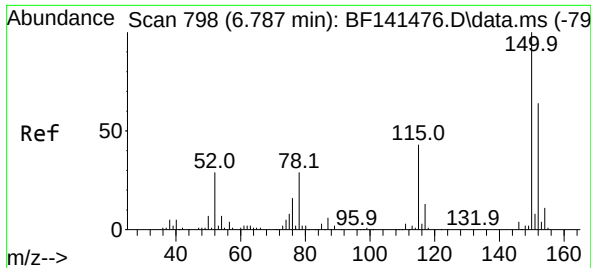
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
Data File : BF141730.D
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Sample : Q1399-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Time: Feb 21 21:51:42 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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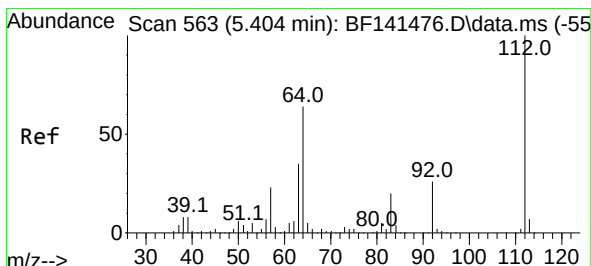
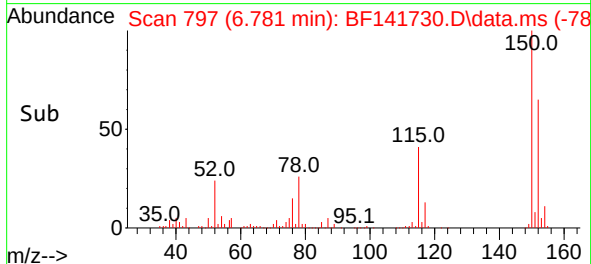
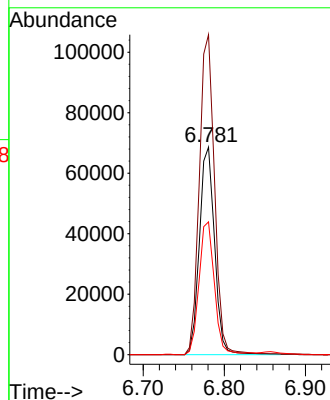
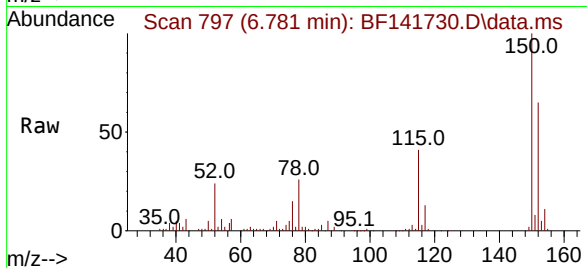




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141730.D
 Acq: 21 Feb 2025 20:12

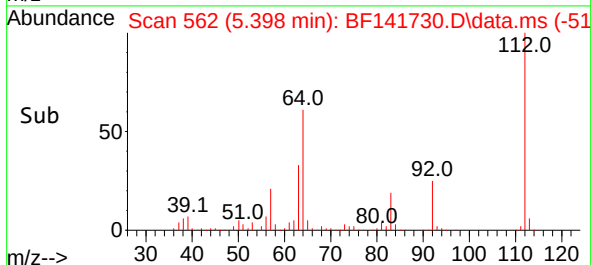
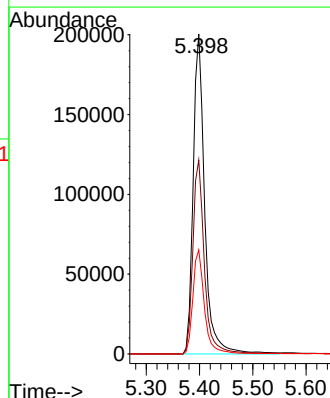
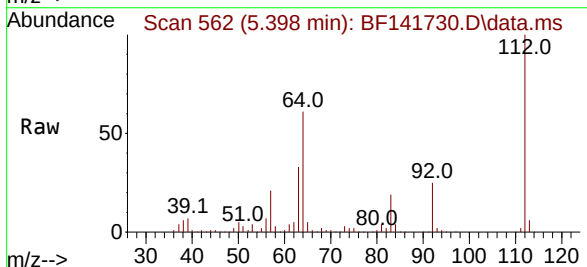
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-02202025

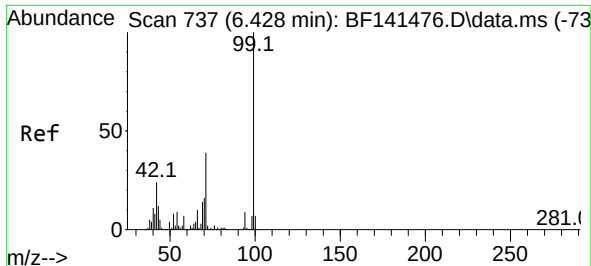
Tgt Ion:152 Resp: 89268
 Ion Ratio Lower Upper
 152 100
 150 154.3 125.0 187.4
 115 64.0 53.6 80.4



#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

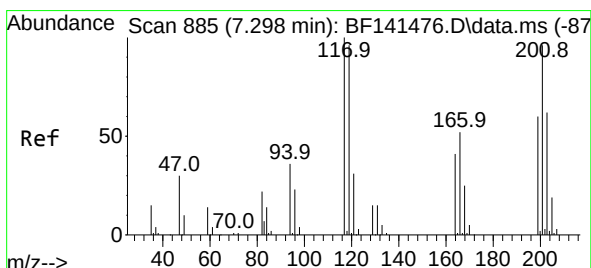
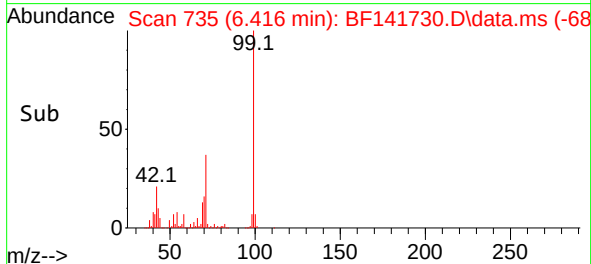
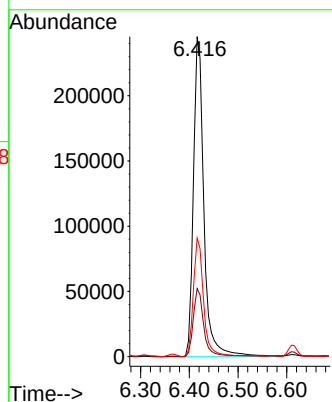
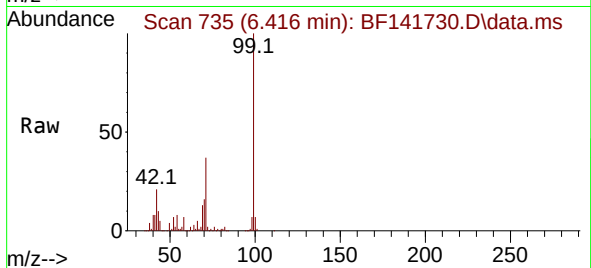




#7
Phenol-d6
Concen: 51.025 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

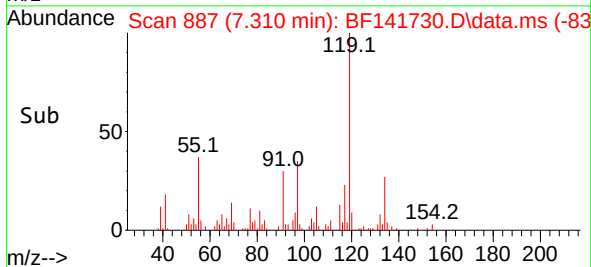
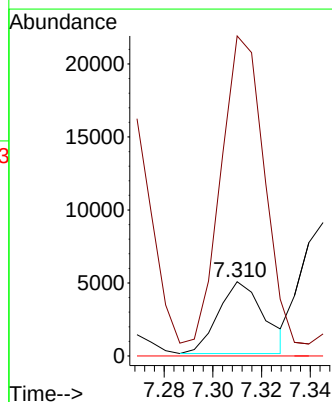
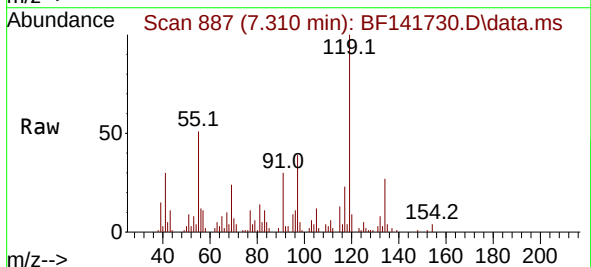
Instrument :
BNA_F
ClientSampleId :
SU-04-02202025

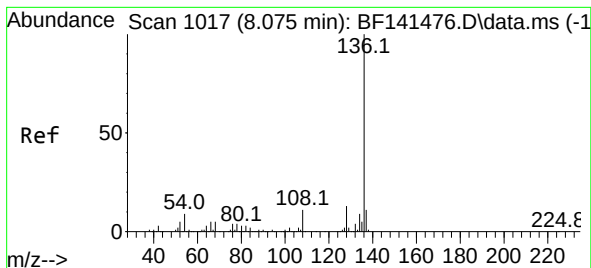
Tgt Ion: 99 Resp: 367220
Ion Ratio Lower Upper
99 100
42 21.3 19.1 28.7
71 37.1 31.1 46.7



#18
Hexachloroethane
Concen: 2.615 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.006 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

Tgt Ion: 117 Resp: 6423
Ion Ratio Lower Upper
117 100
119 430.8 76.5 114.7#
201 0.0 76.7 115.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

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:136 Resp: 327206

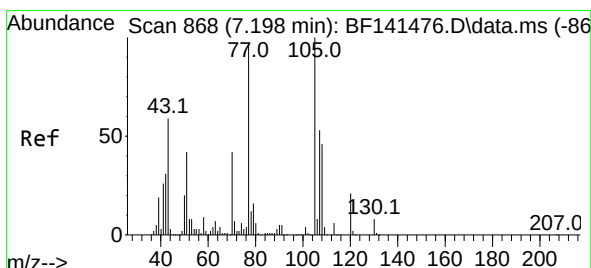
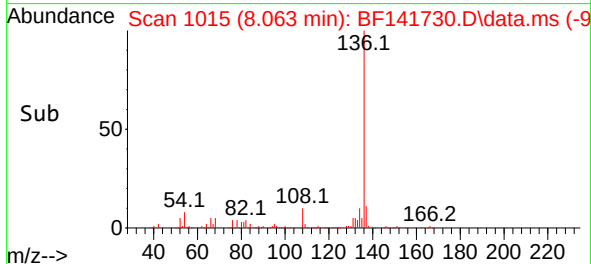
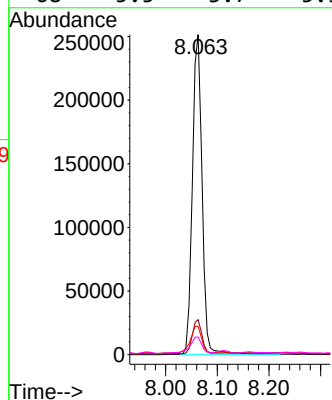
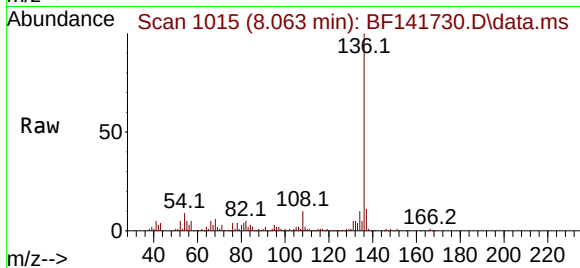
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.9 7.2 10.8

68 5.5 3.7 5.5#



#22

Acetophenone

Concen: 2.169 ng

RT: 7.169 min Scan# 863

Delta R.T. -0.041 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Tgt Ion:105 Resp: 17654

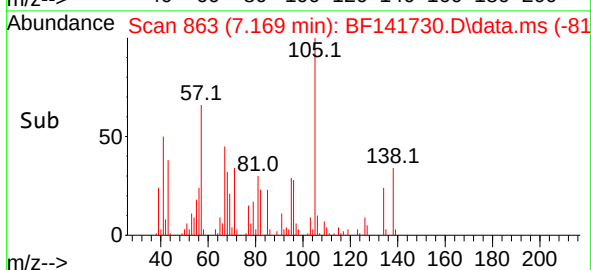
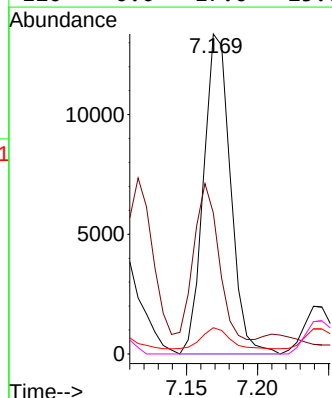
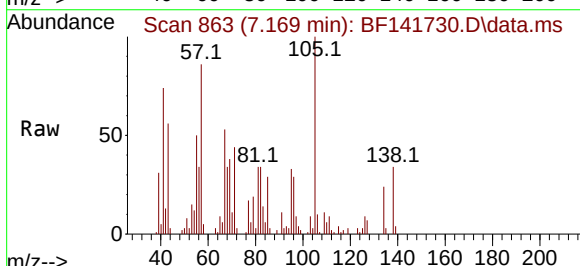
Ion Ratio Lower Upper

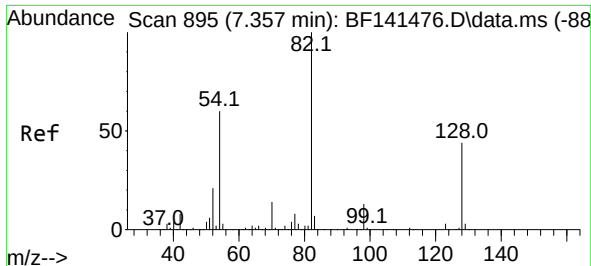
105 100

71 44.0 5.7 8.5#

51 8.2 33.7 50.5#

120 0.0 17.0 25.6#





#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 :

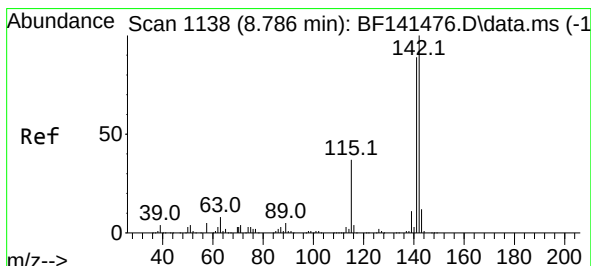
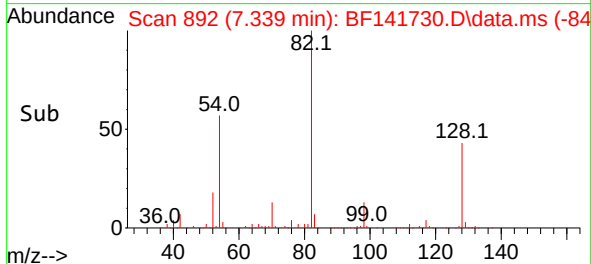
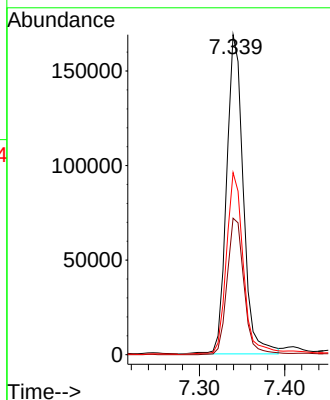
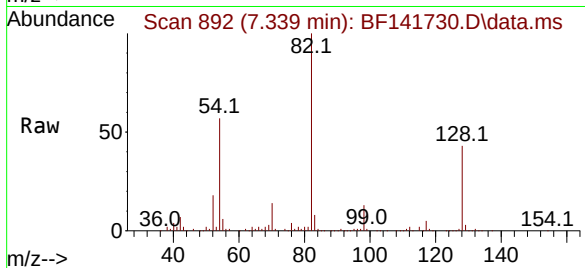
BNA_F

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

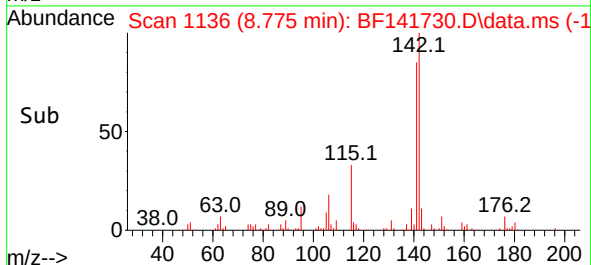
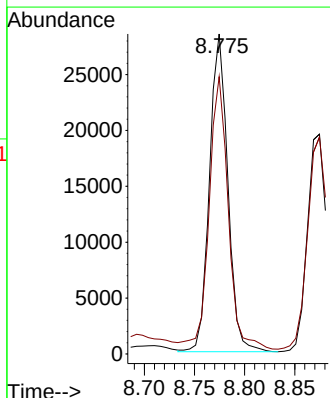
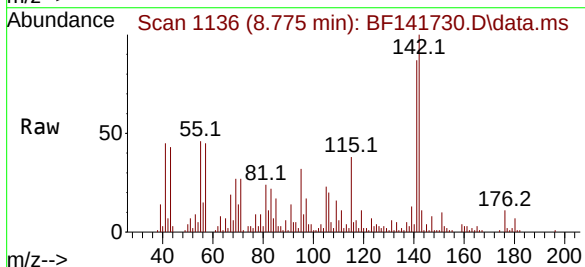
Delta R.T. -0.012 min

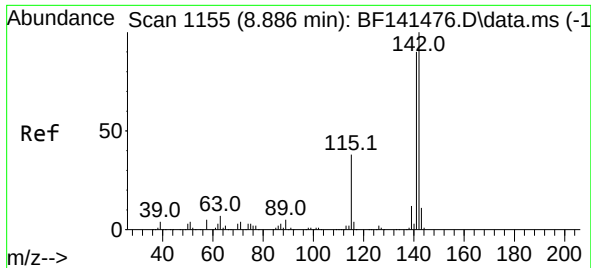
Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Tgt Ion: 142 Resp: 36217

Ion	Ratio	Lower	Upper
142	100		
141	86.6	71.2	106.8

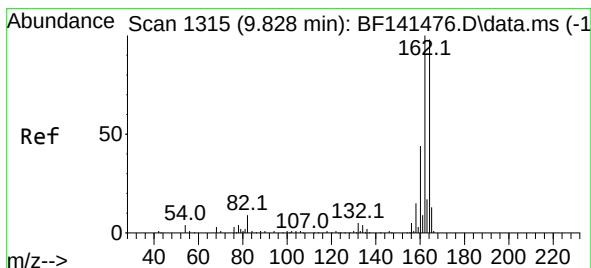
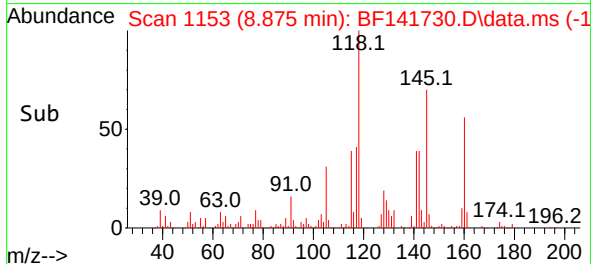
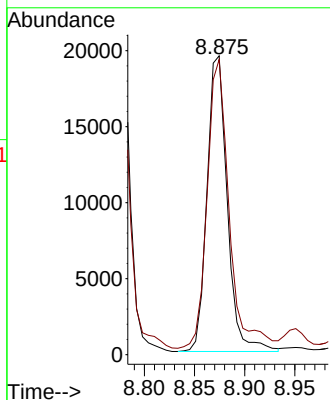
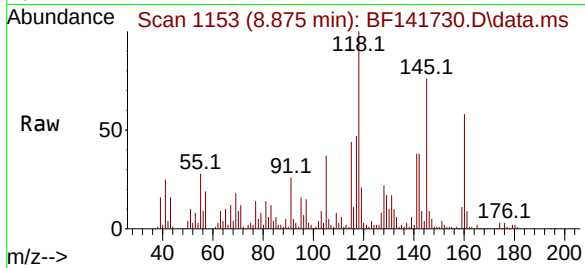




#38
1-Methylnaphthalene
Concen: 2.553 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

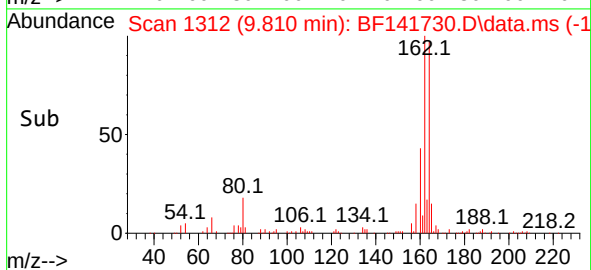
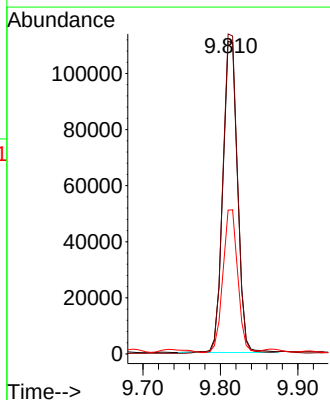
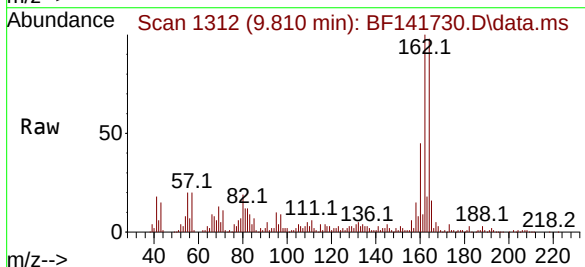
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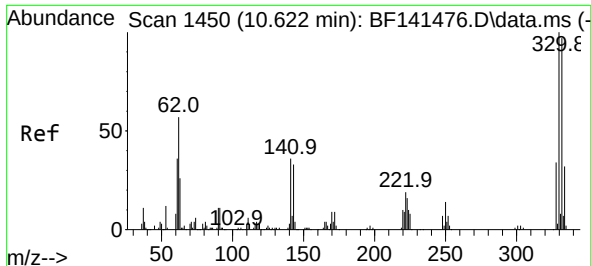
Tgt Ion:142 Resp: 27410
Ion Ratio Lower Upper
142 100
141 98.7 72.1 108.1



#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

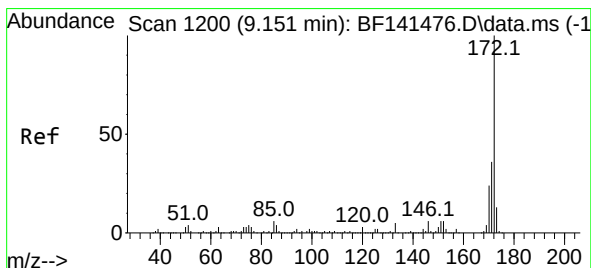
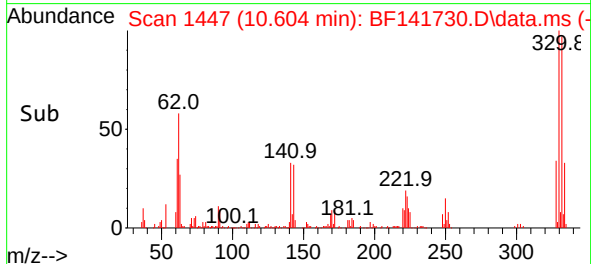
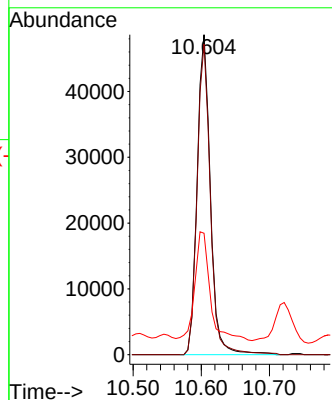
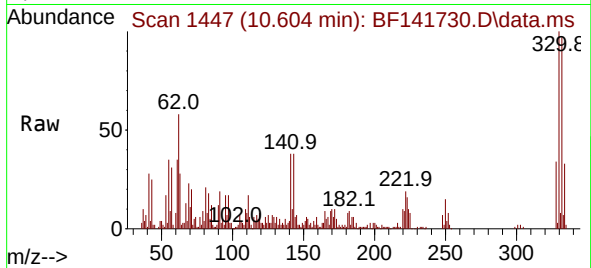




#42
2,4,6-Tribromophenol
Concen: 44.541 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

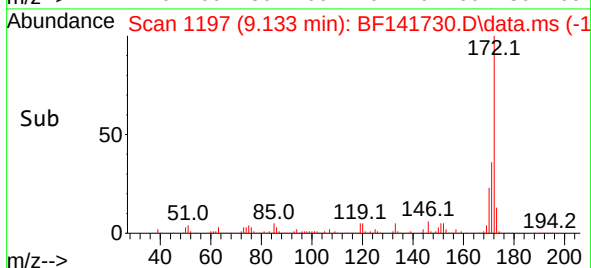
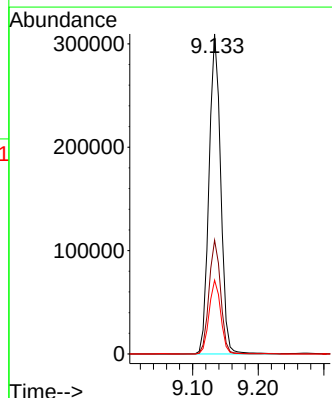
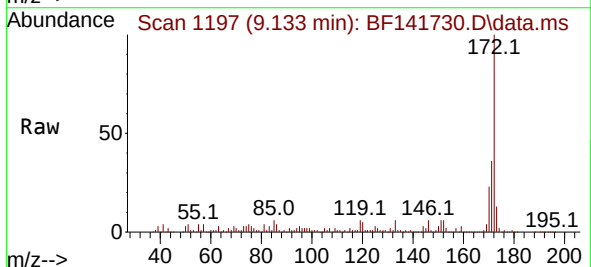
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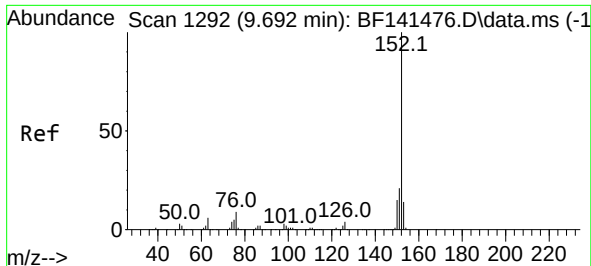
Tgt Ion:330 Resp: 65640
Ion Ratio Lower Upper
330 100
332 96.9 78.5 117.7
141 39.1 31.0 46.4



#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 :

BNA_F

ClientSampleId :

SU-04-02202025

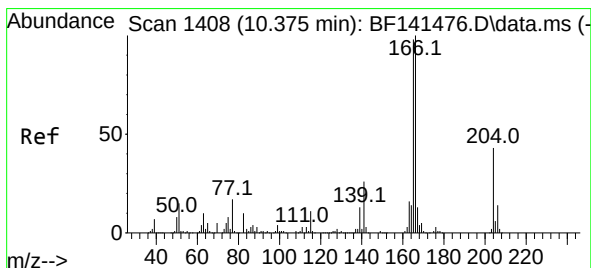
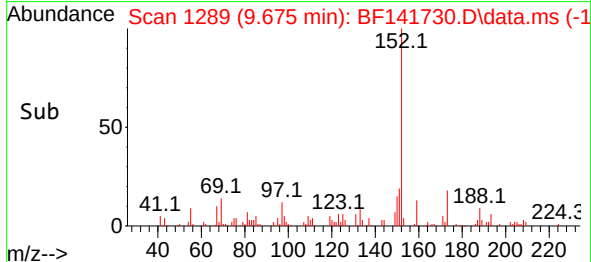
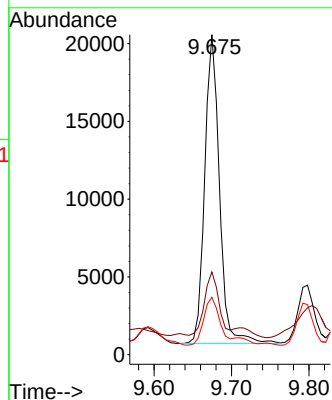
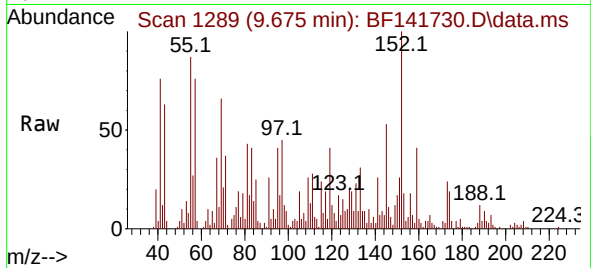
Tgt Ion:152 Resp: 26221

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

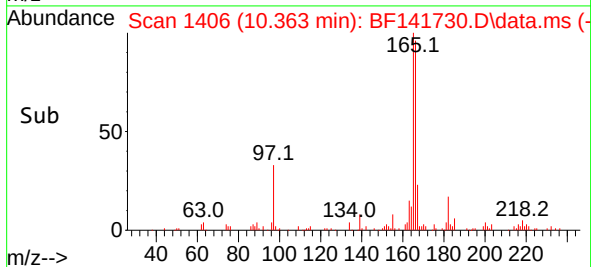
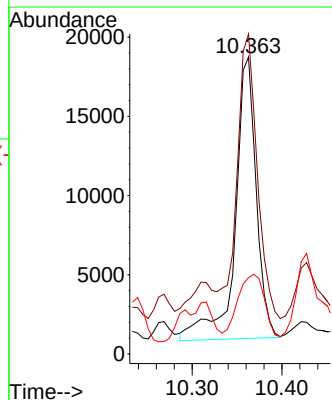
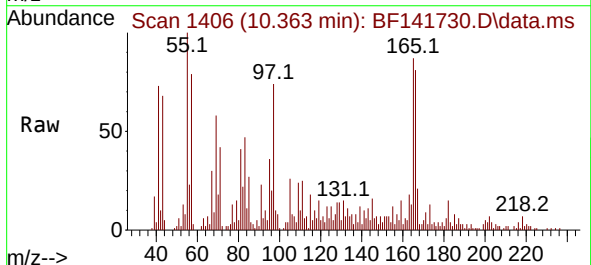
Tgt Ion:166 Resp: 29110

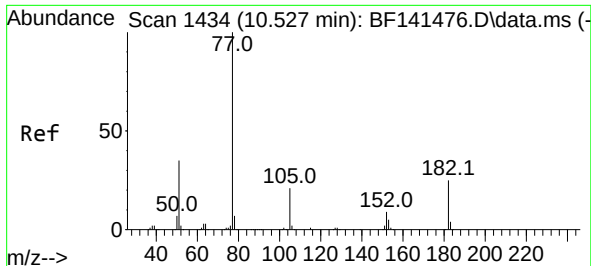
Ion Ratio Lower Upper

166 100

165 107.8 78.2 117.2

167 25.7 10.7 16.1#

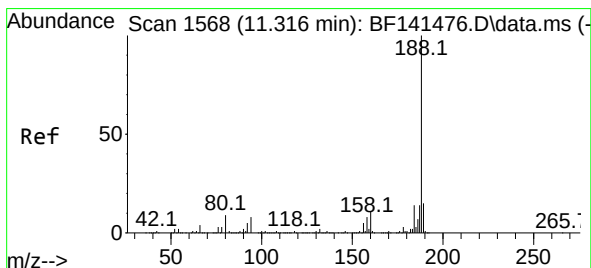
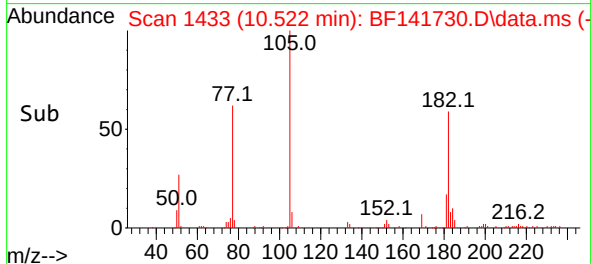
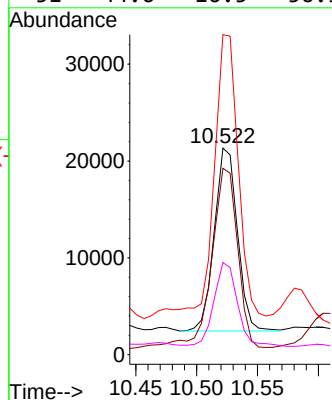
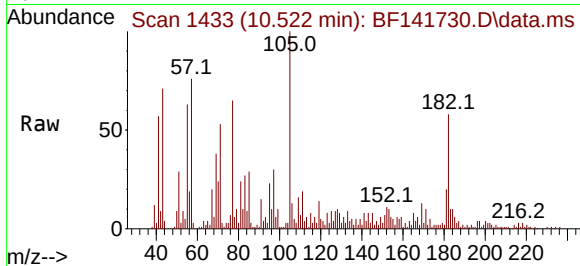




#63
Azobenzene
Concen: 2.562 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

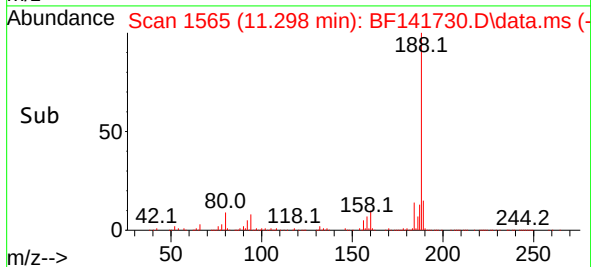
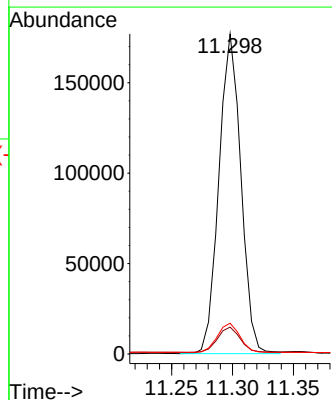
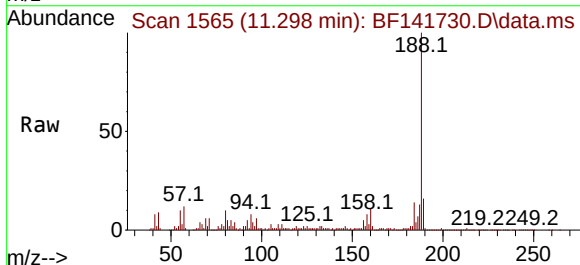
Instrument :
BNA_F
ClientSampleId :
SU-04-02202025

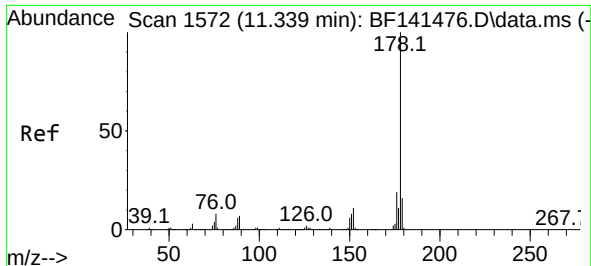
Tgt Ion: 77	Resp: 24961
Ion Ratio	Lower Upper
77 100	
182 90.2	4.7 44.7#
105 154.9	0.4 40.4#
51 44.6	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.018 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

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

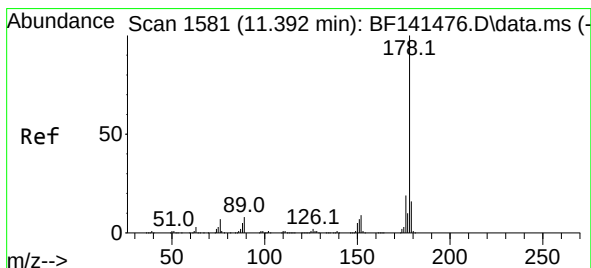
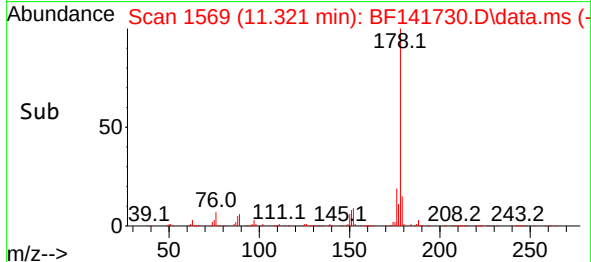
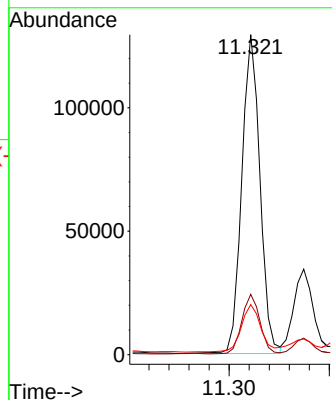
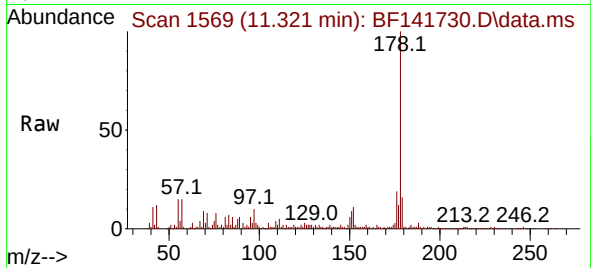




#71
Phenanthrene
Concen: 13.307 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.024 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

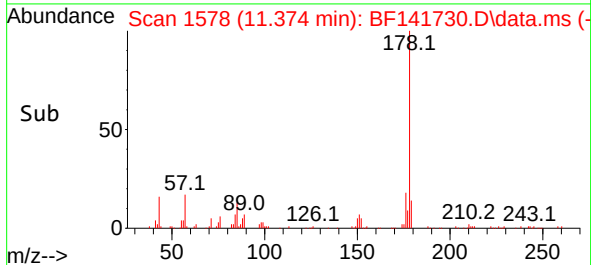
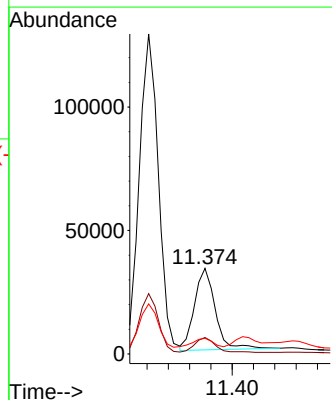
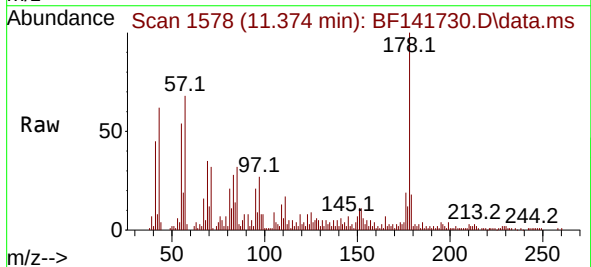
Instrument :
BNA_F
ClientSampleId :
SU-04-02202025

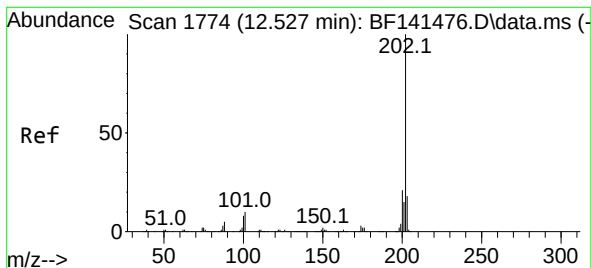
Tgt Ion:178 Resp: 162646
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.7 12.4 18.6



#72
Anthracene
Concen: 3.645 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.024 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

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# 11

Delta R.T. -0.024 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025

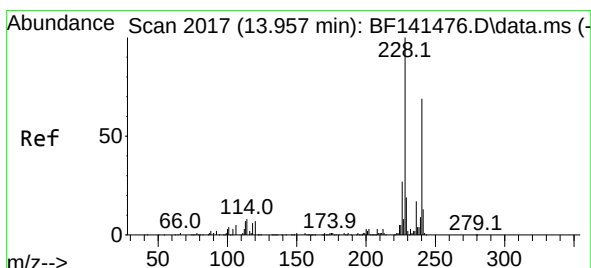
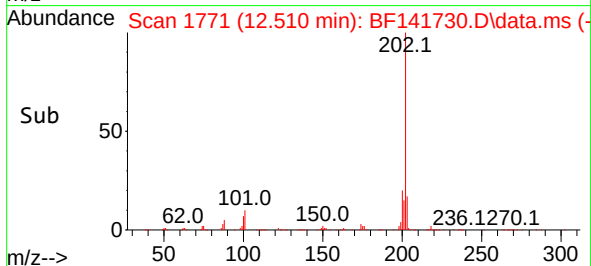
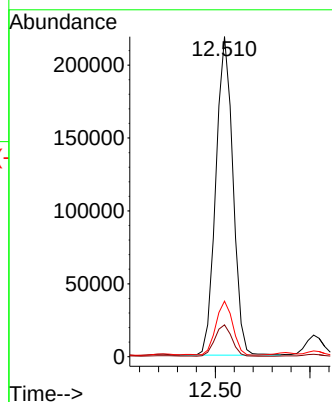
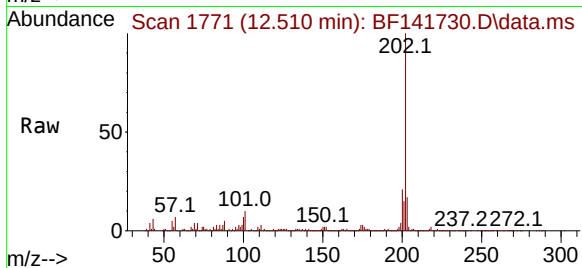
Tgt Ion:202 Resp: 273628

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# 2013

Delta R.T. -0.029 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

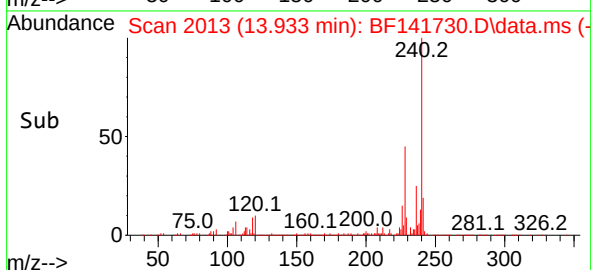
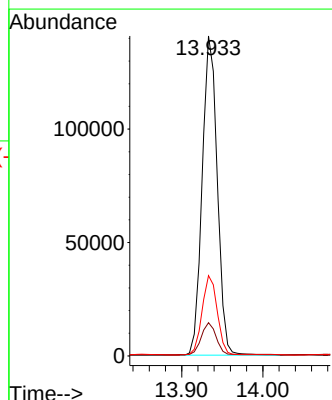
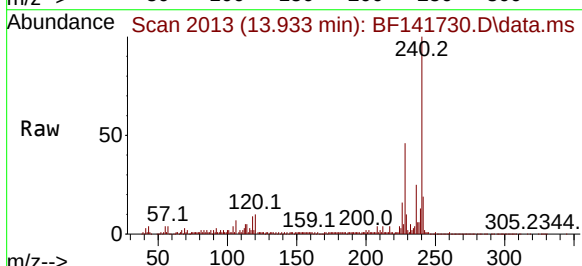
Tgt Ion:240 Resp: 181400

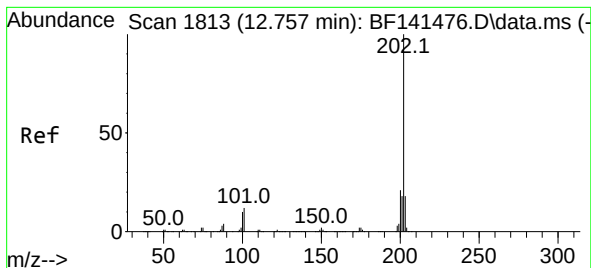
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025

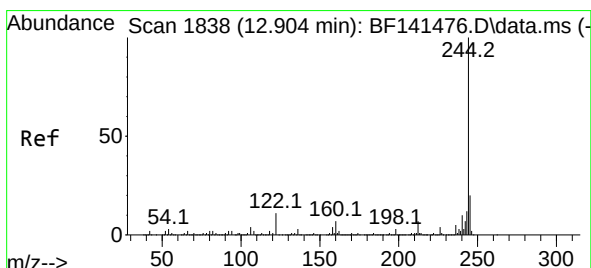
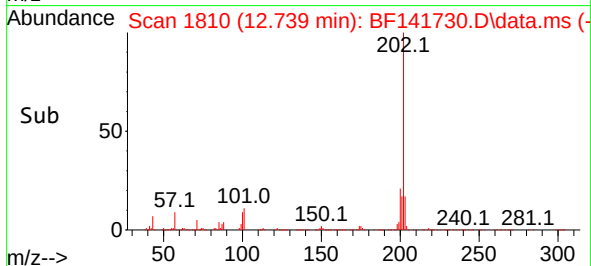
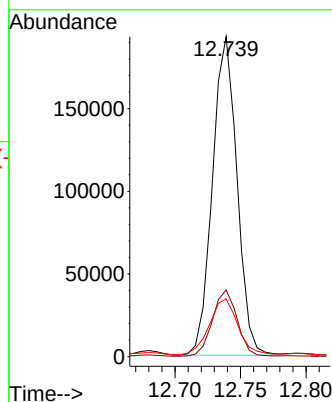
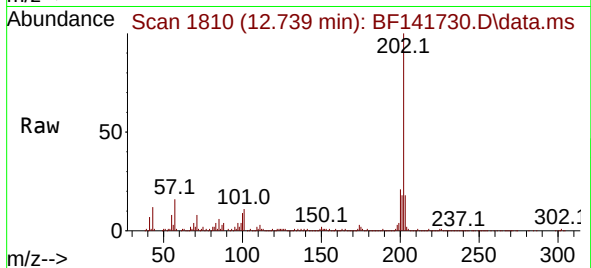
Tgt Ion:202 Resp: 250552

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# 1834

Delta R.T. -0.024 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

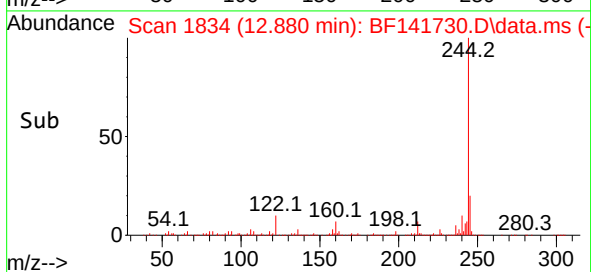
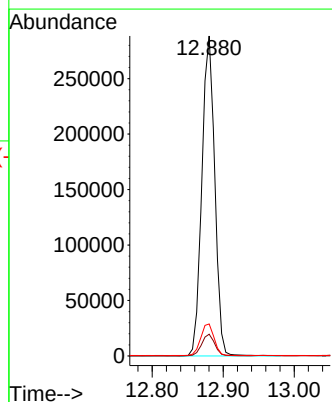
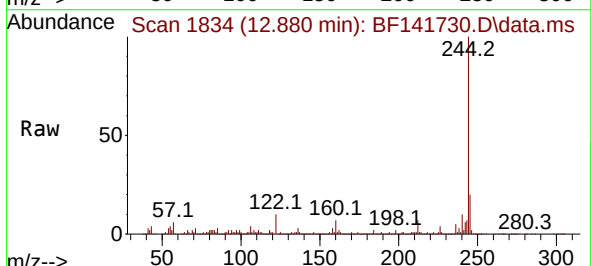
Tgt Ion:244 Resp: 365437

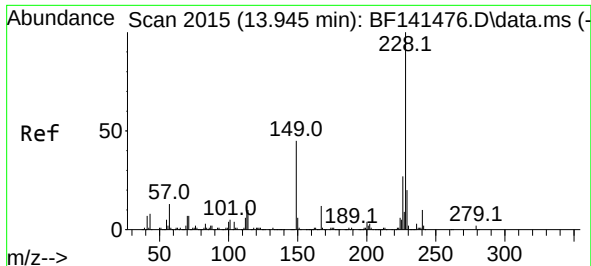
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.0 8.4 12.6

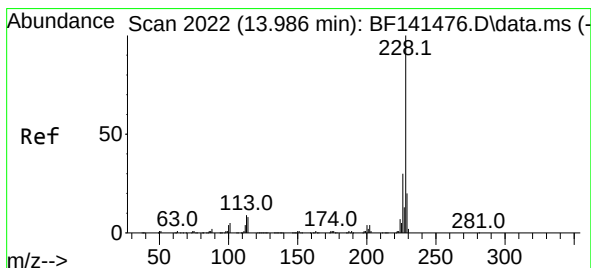
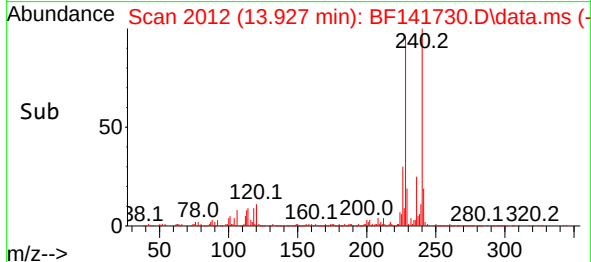
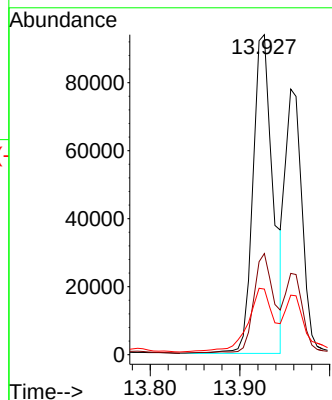
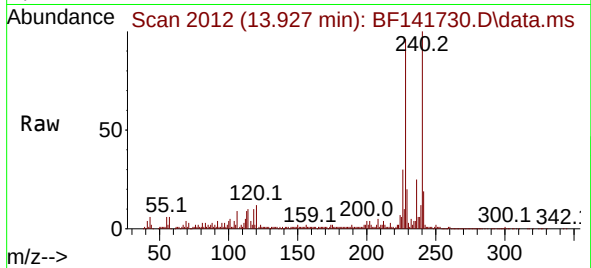




#81
Benzo(a)anthracene
Concen: 12.046 ng
RT: 13.927 min Scan# 2017
Delta R.T. -0.024 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

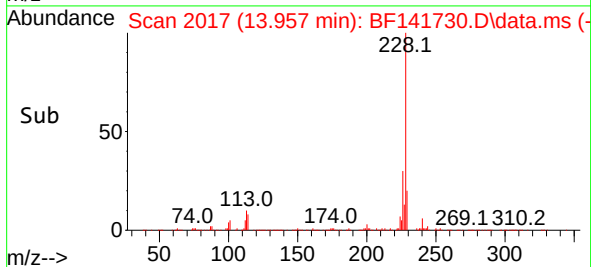
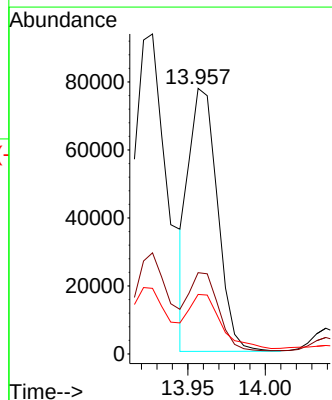
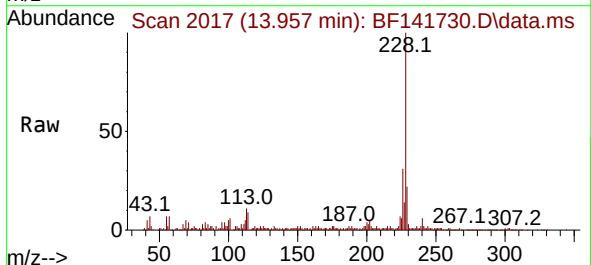
Instrument :
BNA_F
ClientSampleId :
SU-04-02202025

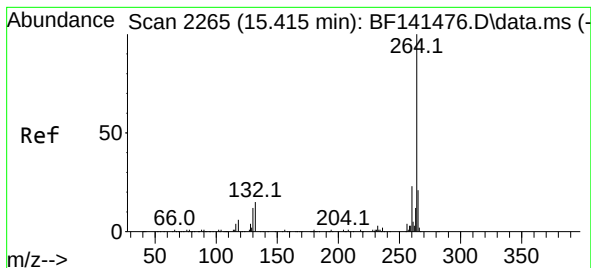
Tgt Ion:228 Resp: 145251
Ion Ratio Lower Upper
228 100
226 31.6 21.8 32.8
229 20.5 15.8 23.6



#83
Chrysene
Concen: 8.967 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.035 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

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# 21

Delta R.T. -0.041 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

SU-04-02202025

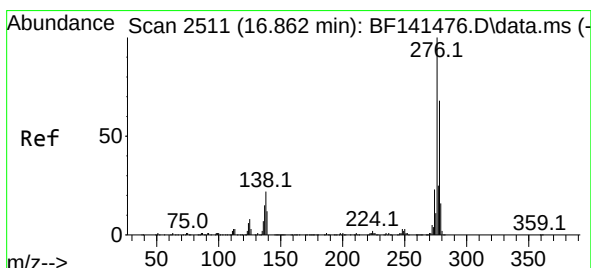
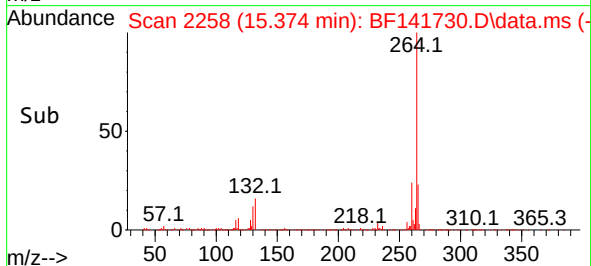
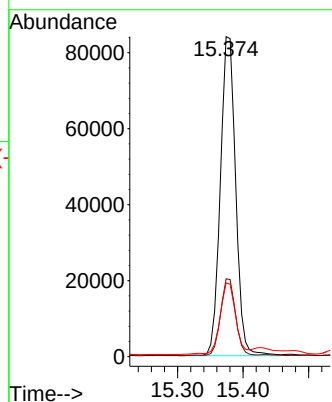
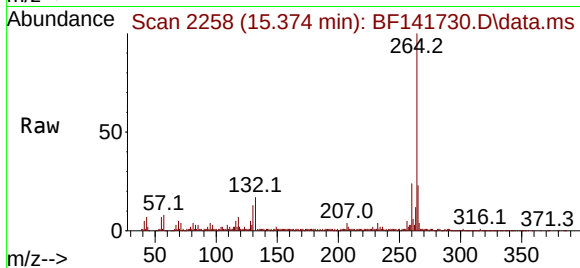
Tgt Ion:264 Resp: 135746

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# 2501

Delta R.T. -0.071 min

Lab File: BF141730.D

Acq: 21 Feb 2025 20:12

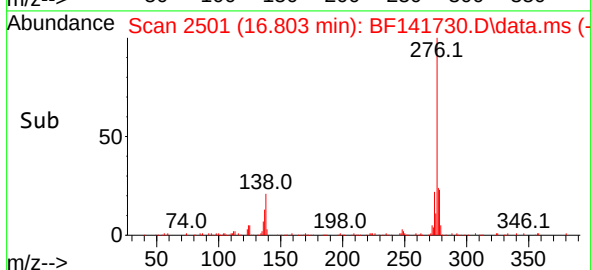
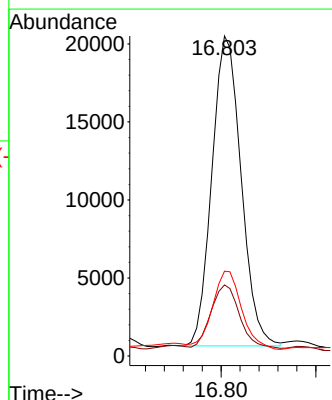
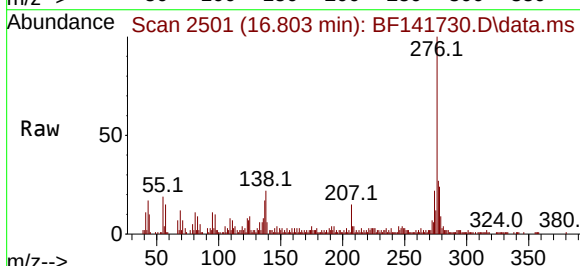
Tgt Ion:276 Resp: 42501

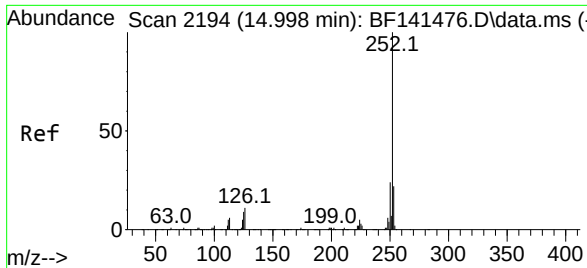
Ion Ratio Lower Upper

276 100

138 21.3 18.0 27.0

277 25.6 20.4 30.6

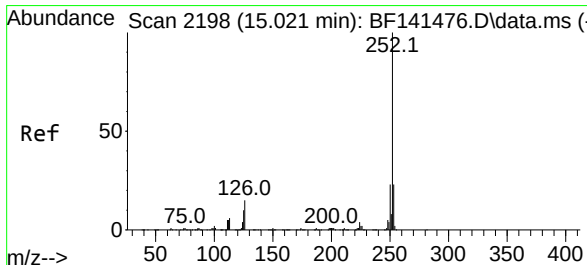
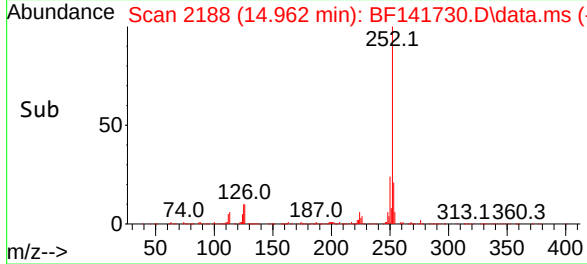
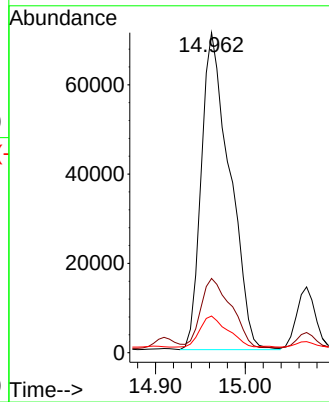
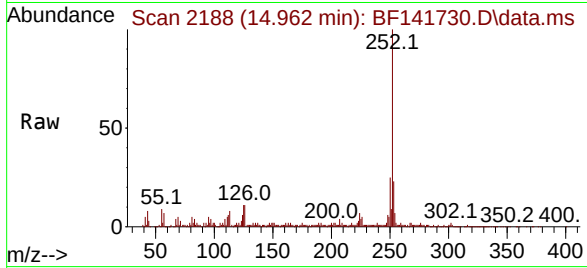




#88
Benzo(b)fluoranthene
Concen: 17.135 ng
RT: 14.962 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

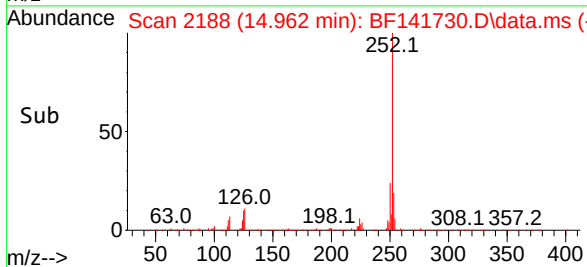
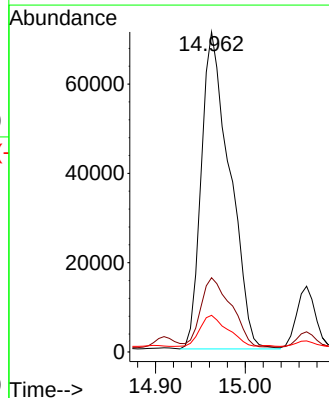
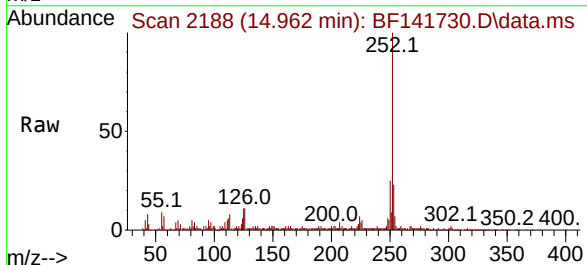
Instrument :
BNA_F
ClientSampleId :
SU-04-02202025

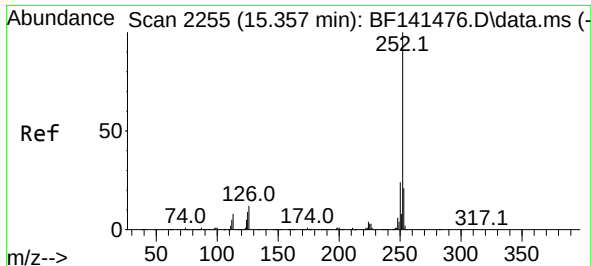
Tgt Ion:252 Resp: 156176
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.5 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 20.066 ng
RT: 14.962 min Scan# 2188
Delta R.T. -0.071 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

Tgt Ion:252 Resp: 156176
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 11.5 7.4 11.0#

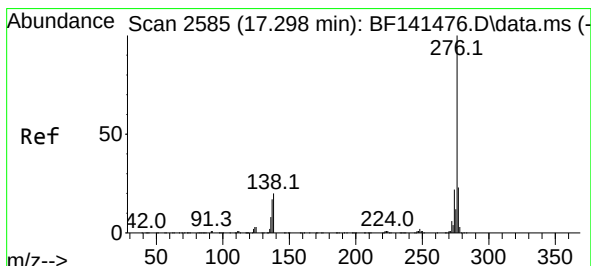
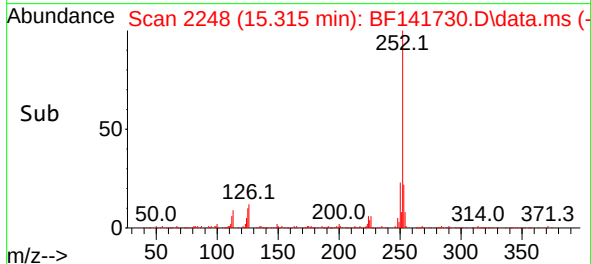
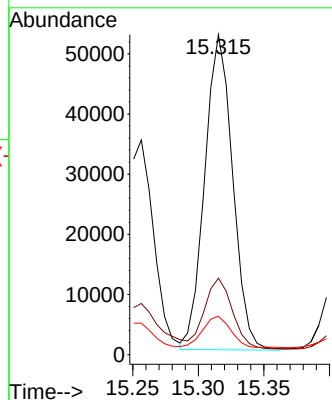
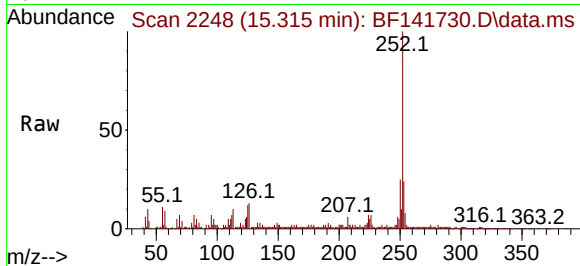




#90
Benzo(a)pyrene
Concen: 10.546 ng
RT: 15.315 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

Instrument :
BNA_F
ClientSampleId :
SU-04-02202025

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# 2575
Delta R.T. -0.076 min
Lab File: BF141730.D
Acq: 21 Feb 2025 20:12

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

