

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
 Data File : BF141706.D
 Acq On : 20 Feb 2025 16:35
 Operator : RC/JU
 Sample : Q1384-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-021823025

Quant Time: Feb 20 17:07:54 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)

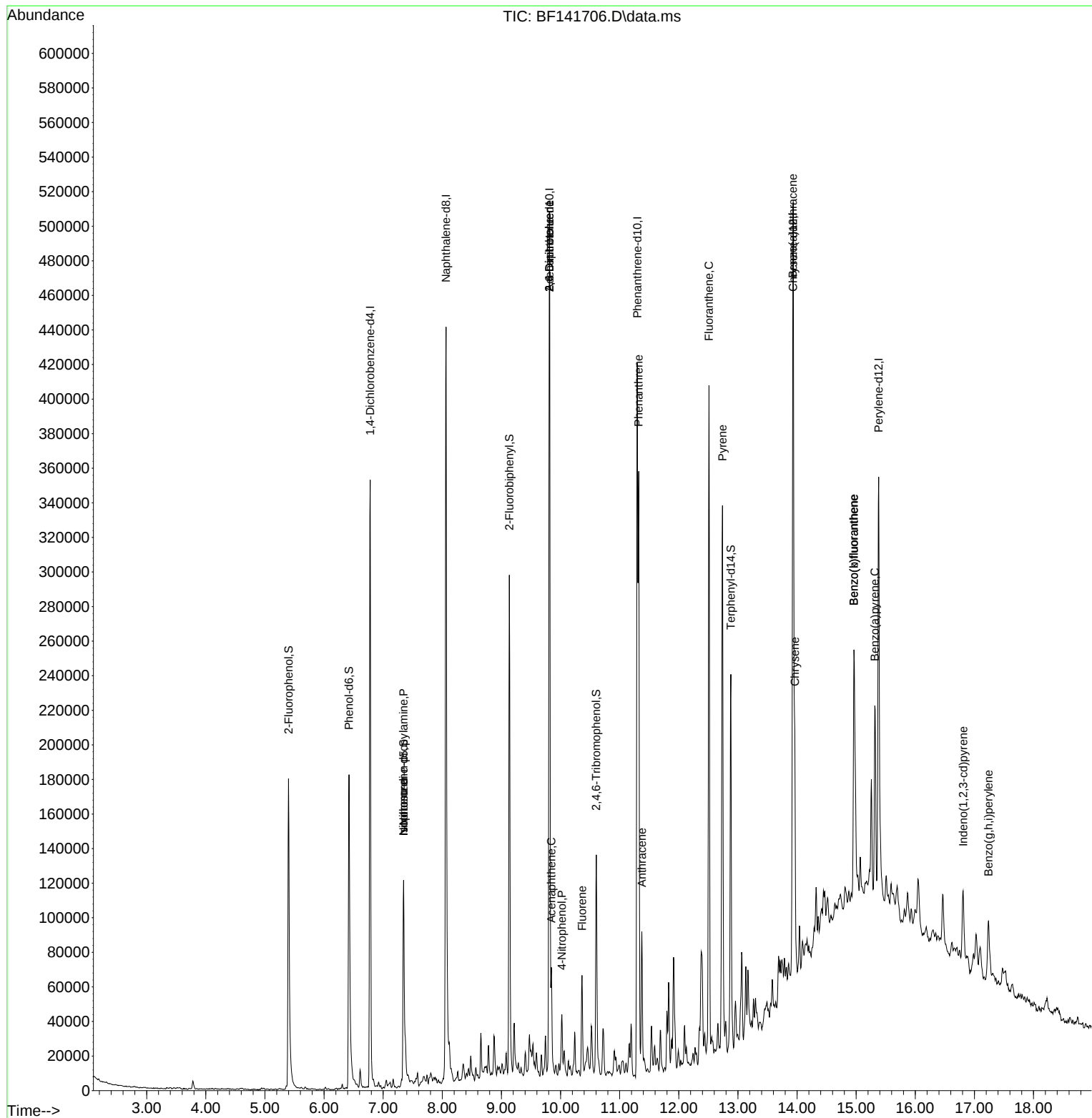
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	79357	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	308262	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	153555	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	213106	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	160801	20.000	ng	-0.03
86) Perylene-d12	15.380	264	143212	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	90960	17.970	ng	-0.01
7) Phenol-d6	6.422	99	116480	18.206	ng	-0.02
23) Nitrobenzene-d5	7.346	82	69612	11.778	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	20806	13.488	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	138224	13.868	ng	-0.02
79) Terphenyl-d14	12.880	244	103474	10.863	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.346	70	10241	2.676	ng	# 71
25) Isophorone	7.346	82	63873	6.778	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	20803	9.129	ng	# 23
52) Acenaphthene	9.845	154	17840	2.027	ng	99
56) 4-Nitrophenol	10.022	139	7422	4.076	ng	# 3
57) 2,4-Dinitrotoluene	9.810	165	20924	6.897	ng	# 19
58) Fluorene	10.363	166	26234	2.626	ng	97
71) Phenanthrene	11.322	178	189513	16.156	ng	98
72) Anthracene	11.375	178	53331	4.523	ng	98
75) Fluoranthene	12.510	202	221289	17.793	ng	99
78) Pyrene	12.739	202	185863	13.578	ng	99
81) Benzo(a)anthracene	13.927	228	99389	9.298	ng	98
83) Chrysene	13.963	228	72841	7.380	ng	96
87) Indeno(1,2,3-cd)pyrene	16.810	276	31446	3.554	ng	96
88) Benzo(b)fluoranthene	14.963	252	121417	12.627	ng	# 96
89) Benzo(k)fluoranthene	14.963	252	121417	14.787	ng	97
90) Benzo(a)pyrene	15.316	252	65647	8.437	ng	96
92) Benzo(g,h,i)perylene	17.239	276	31754	4.232	ng	98

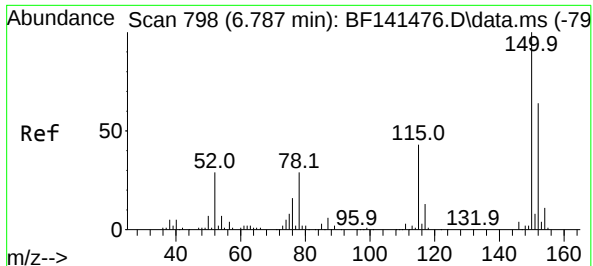
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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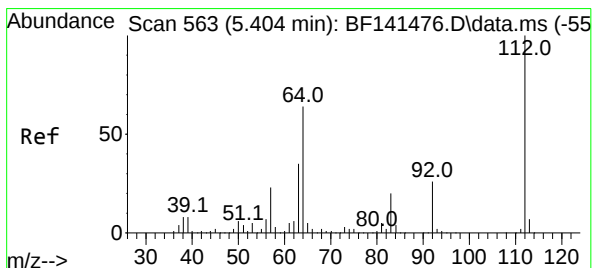
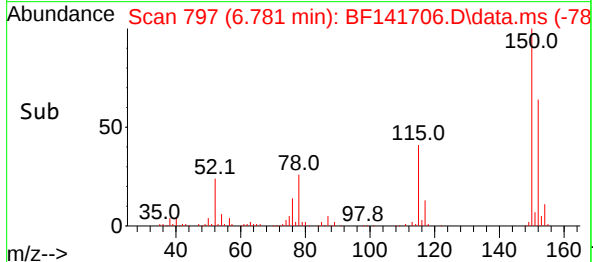
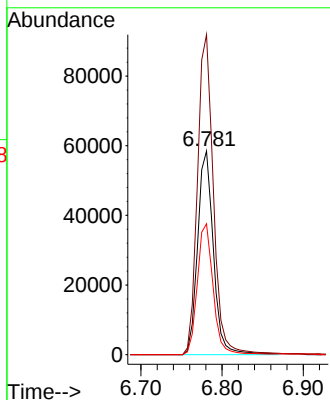
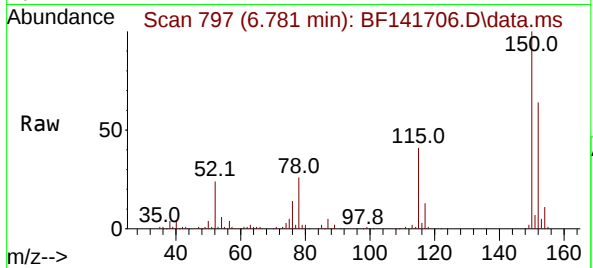




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

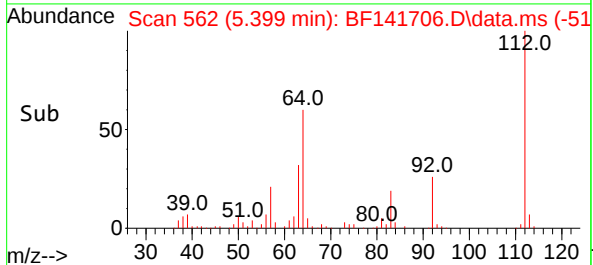
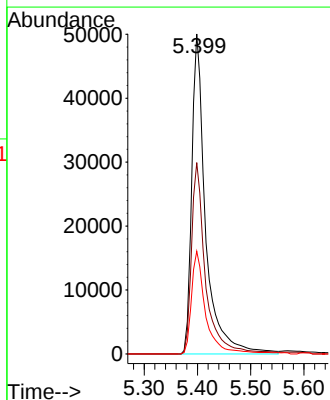
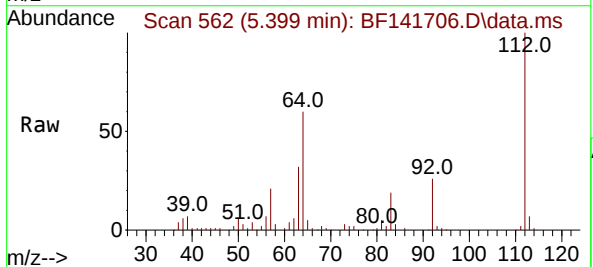
Instrument :
BNA_F
ClientSampleId :
OR-03-021823025

Tgt Ion:152 Resp: 79357
Ion Ratio Lower Upper
152 100
150 157.1 125.0 187.4
115 64.2 53.6 80.4



#5
2-Fluorophenol
Concen: 17.970 ng
RT: 5.399 min Scan# 562
Delta R.T. -0.011 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

Tgt Ion:112 Resp: 90960
Ion Ratio Lower Upper
112 100
64 59.8 51.1 76.7
63 32.1 28.4 42.6

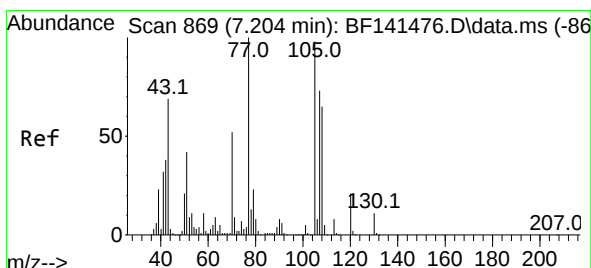
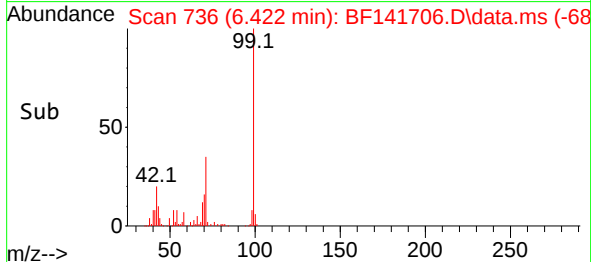
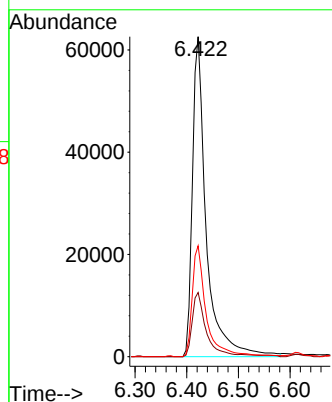
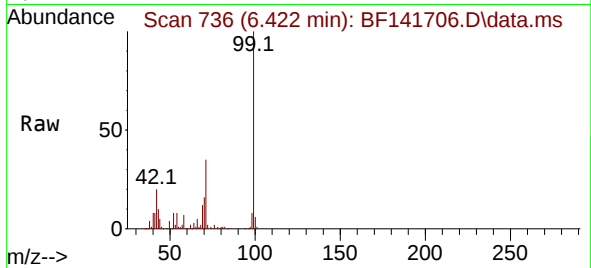




#7
Phenol-d6
Concen: 18.206 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

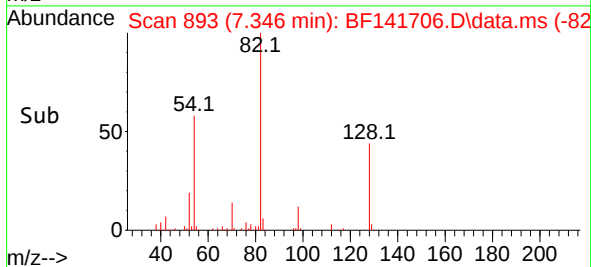
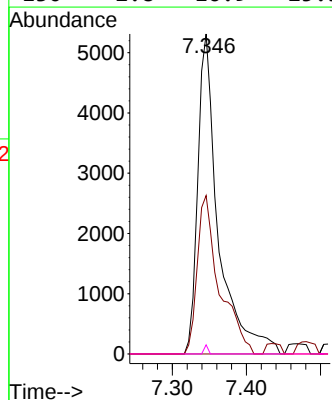
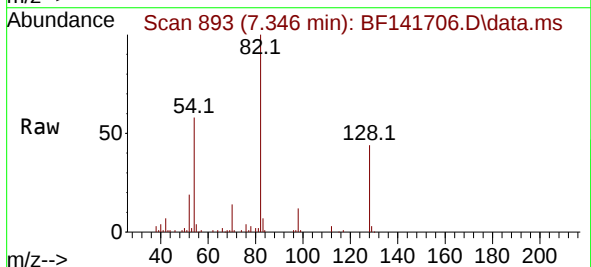
Instrument :
BNA_F
ClientSampleId :
OR-03-021823025

Tgt Ion: 99 Resp: 116480
Ion Ratio Lower Upper
99 100
42 20.0 19.1 28.7
71 34.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.676 ng
RT: 7.346 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

Tgt Ion: 70 Resp: 10241
Ion Ratio Lower Upper
70 100
42 49.5 57.4 86.2#
101 0.0 8.0 12.0#
130 2.8 16.9 25.3#

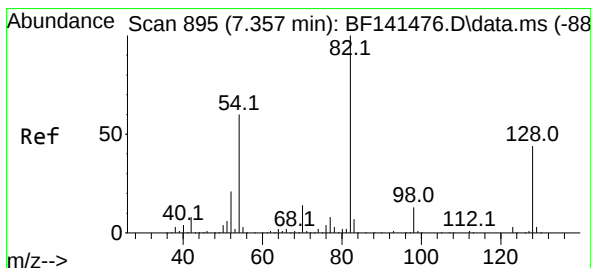
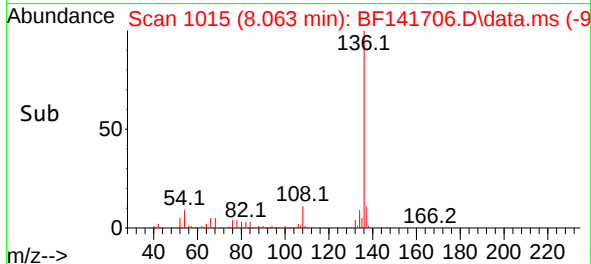
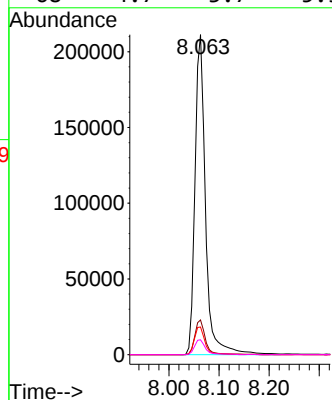
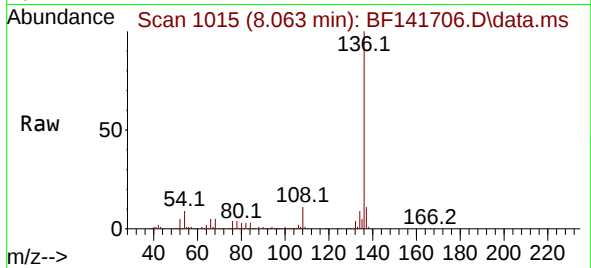




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

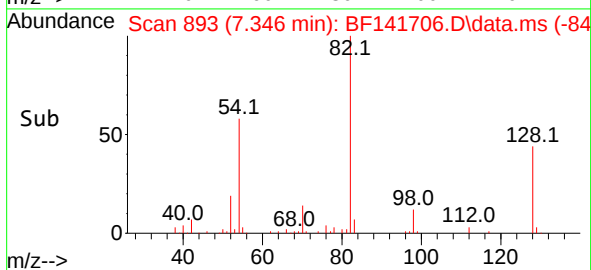
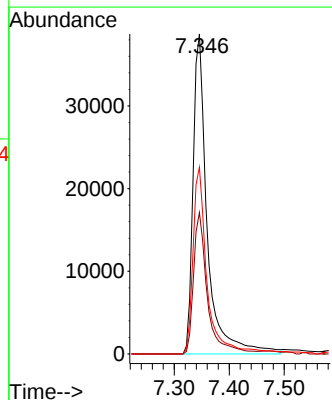
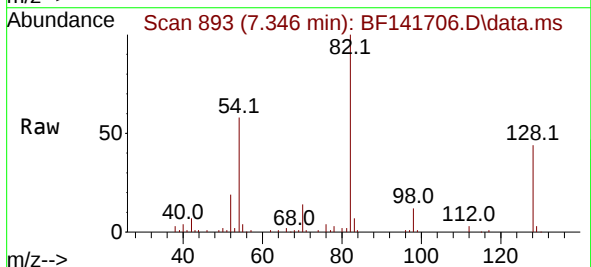
Instrument :
BNA_F
ClientSampleId :
OR-03-021823025

Tgt Ion:136	Resp: 308262
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 8.7	7.2 10.8
68 4.7	3.7 5.5



#23
Nitrobenzene-d5
Concen: 11.778 ng
RT: 7.346 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

Tgt Ion: 82	Resp: 69612
Ion Ratio	Lower Upper
82 100	
128 44.2	34.8 52.2
54 58.4	48.2 72.4

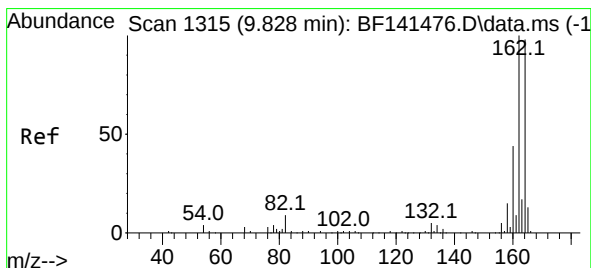
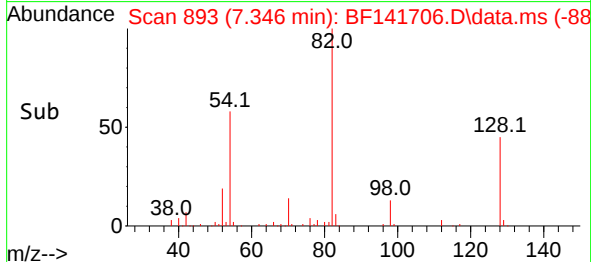
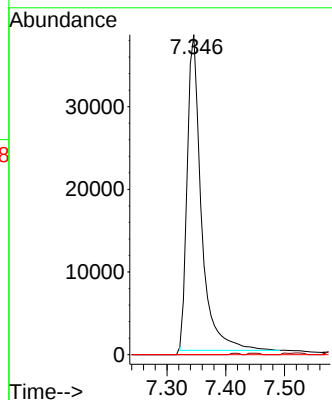
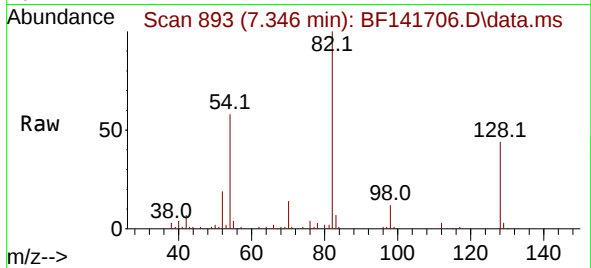




#25
Isophorone
Concen: 6.778 ng
RT: 7.346 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

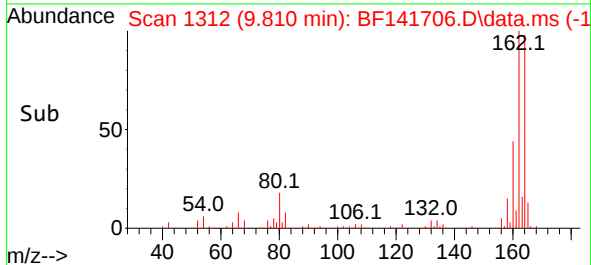
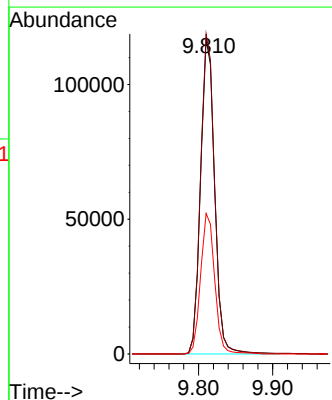
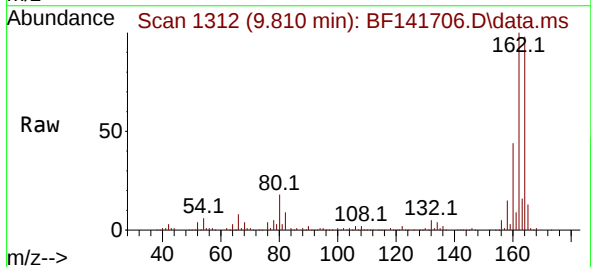
Instrument :
BNA_F
ClientSampleId :
OR-03-021823025

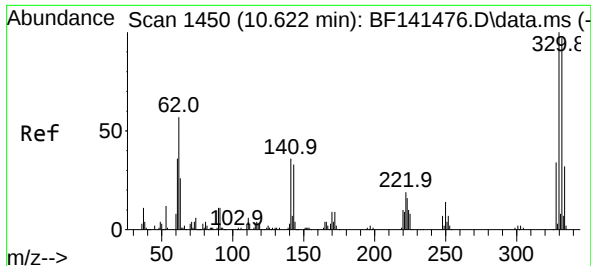
Tgt Ion: 82 Resp: 63873
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

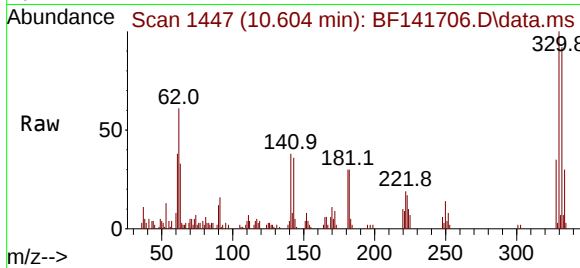
Tgt Ion:164 Resp: 153555
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 44.7 35.9 53.9



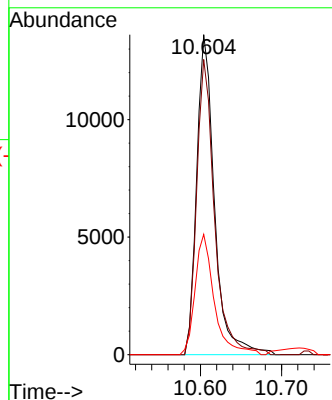
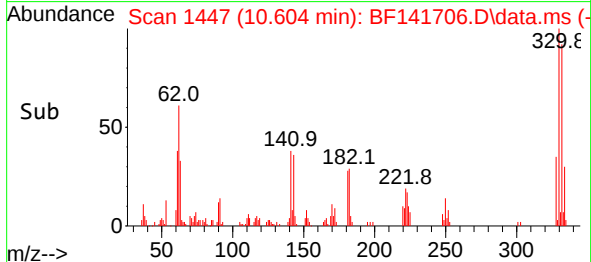


#42
 2,4,6-Tribromophenol
 Concen: 13.488 ng
 RT: 10.604 min Scan# 1450
 Delta R.T. -0.023 min
 Lab File: BF141706.D
 Acq: 20 Feb 2025 16:35

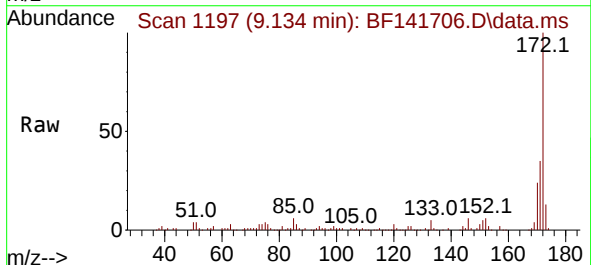
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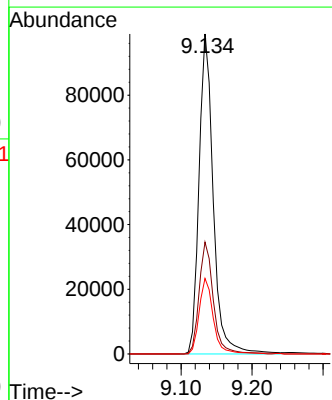
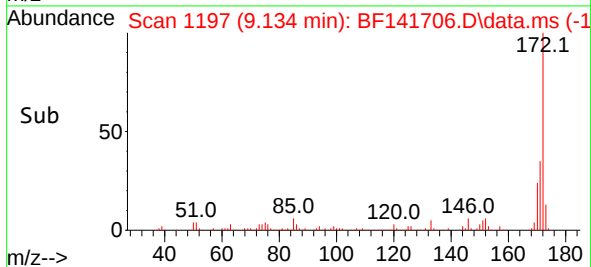
Tgt Ion: 330 Resp: 20806
 Ion Ratio Lower Upper
 330 100
 332 92.3 78.5 117.7
 141 40.4 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 13.868 ng
 RT: 9.134 min Scan# 1197
 Delta R.T. -0.017 min
 Lab File: BF141706.D
 Acq: 20 Feb 2025 16:35



Tgt Ion: 172 Resp: 138224
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.7 43.1
 170 23.6 18.9 28.3

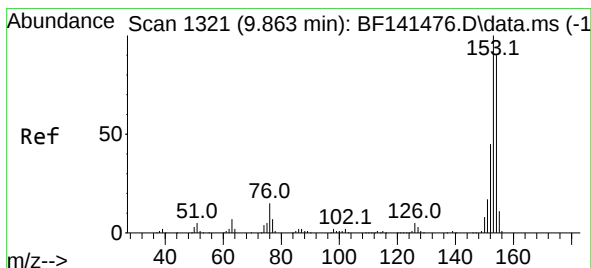
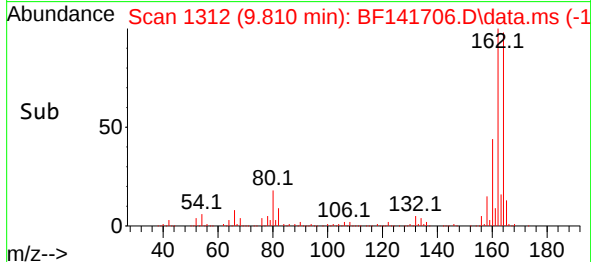
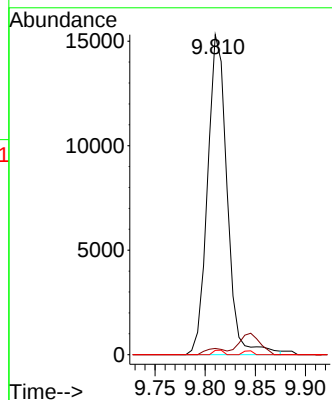
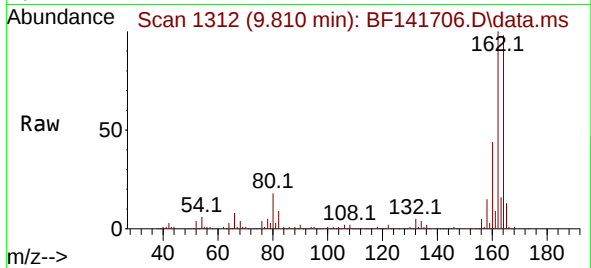




#51
2,6-Dinitrotoluene
Concen: 9.129 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

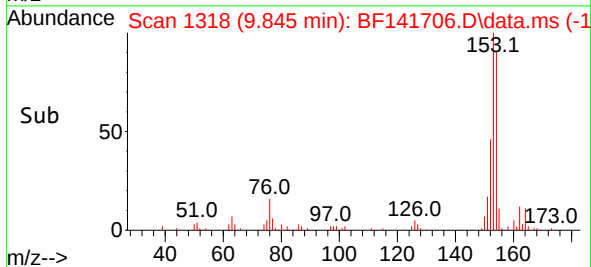
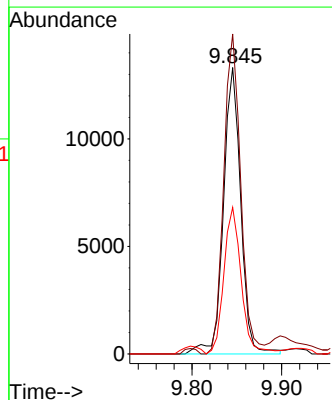
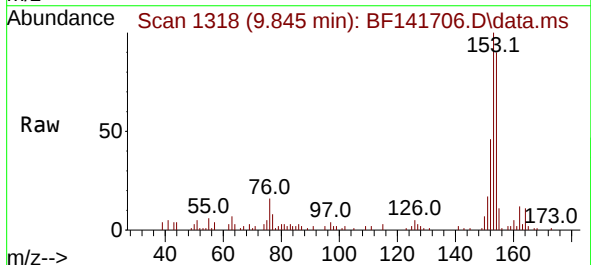
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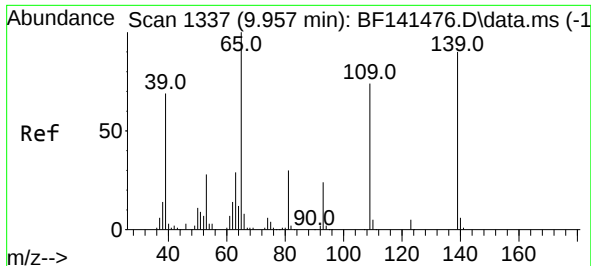
Tgt Ion:165 Resp: 20803
Ion Ratio Lower Upper
165 100
63 2.0 49.4 74.0#
89 1.3 46.5 69.7#



#52
Acenaphthene
Concen: 2.027 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

Tgt Ion:154 Resp: 17840
Ion Ratio Lower Upper
154 100
153 111.7 89.2 133.8
152 51.2 39.8 59.8

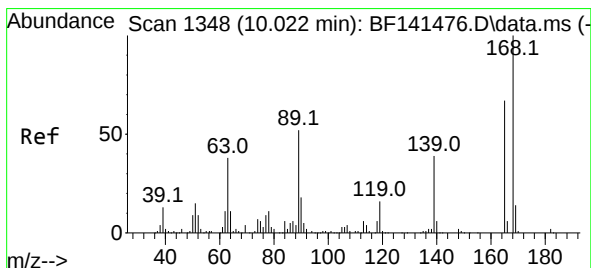
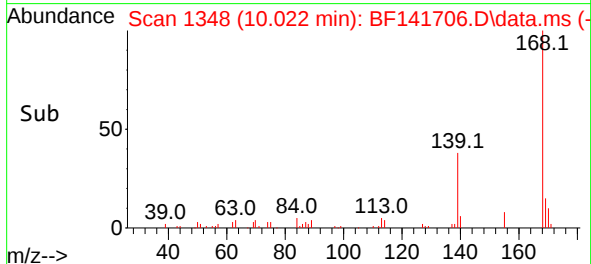
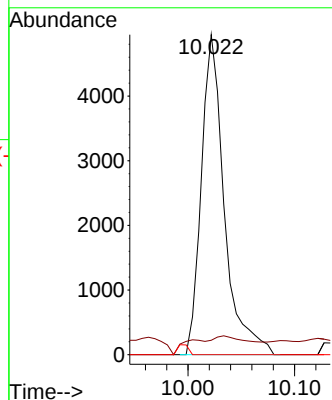
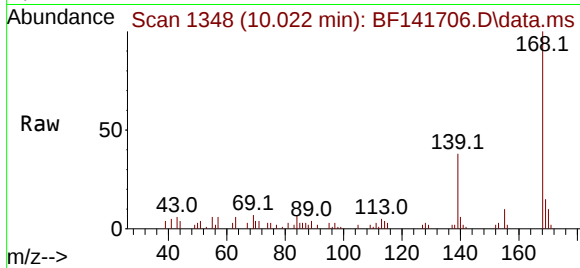




#56
4-Nitrophenol
Concen: 4.076 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

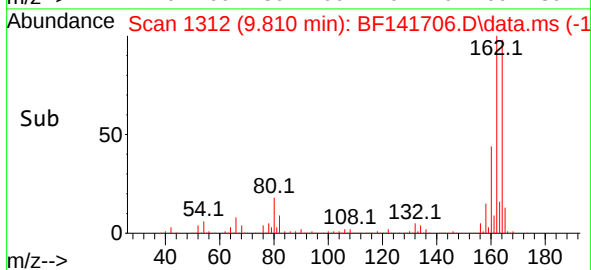
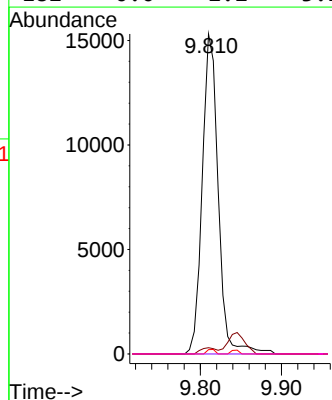
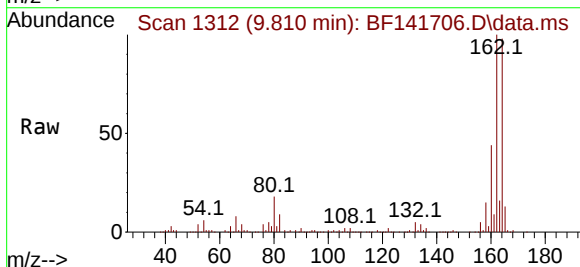
Instrument :
BNA_F
ClientSampleId :
OR-03-021823025

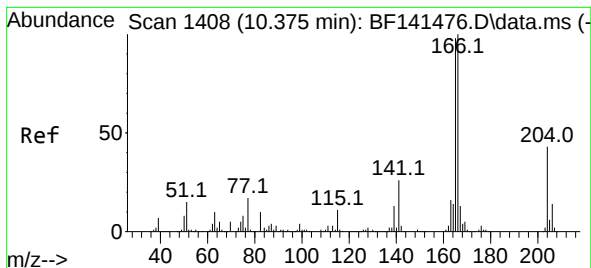
Tgt Ion:139 Resp: 7422
Ion Ratio Lower Upper
139 100
109 4.5 62.0 102.0#
65 0.0 91.2 131.2#



#57
2,4-Dinitrotoluene
Concen: 6.897 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.217 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

Tgt Ion:165 Resp: 20924
Ion Ratio Lower Upper
165 100
63 2.0 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.626 ng

RT: 10.363 min Scan# 1406

Delta R.T. -0.017 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

Instrument :

BNA_F

ClientSampleId :

OR-03-021823025

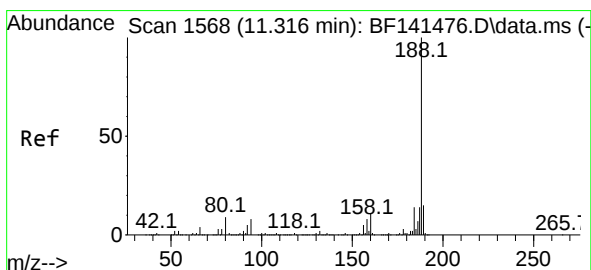
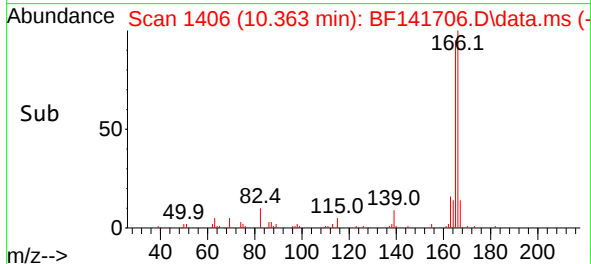
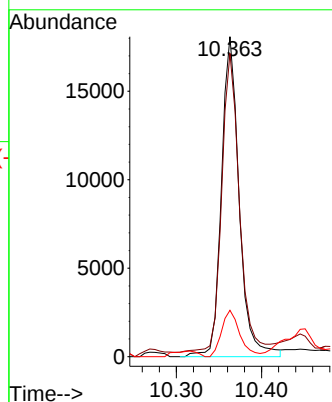
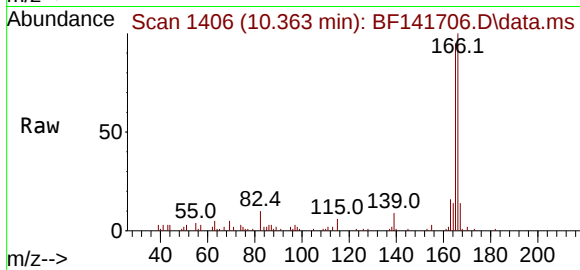
Tgt Ion:166 Resp: 26234

Ion Ratio Lower Upper

166 100

165 94.8 78.2 117.2

167 14.5 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.017 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

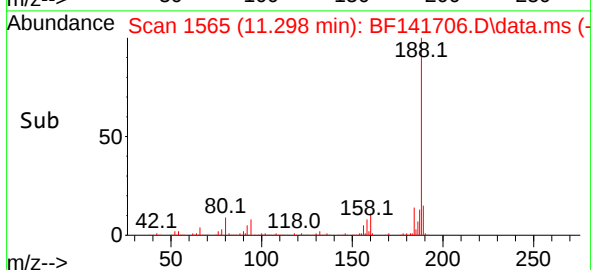
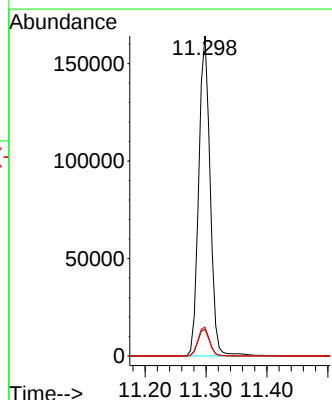
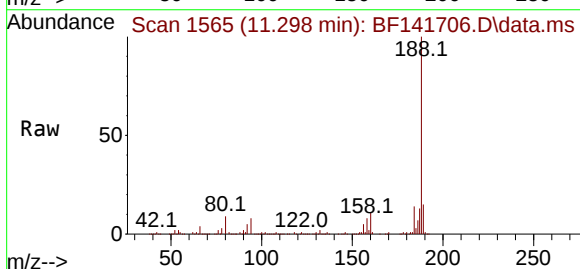
Tgt Ion:188 Resp: 213106

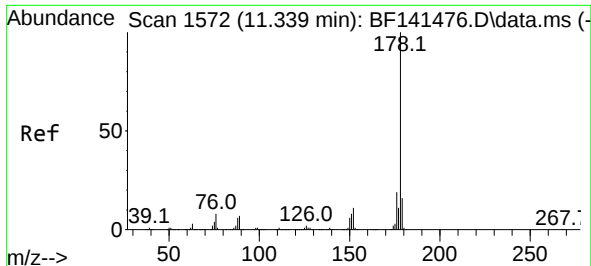
Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

80 9.0 7.3 10.9

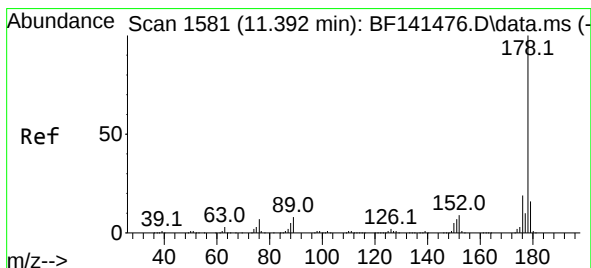
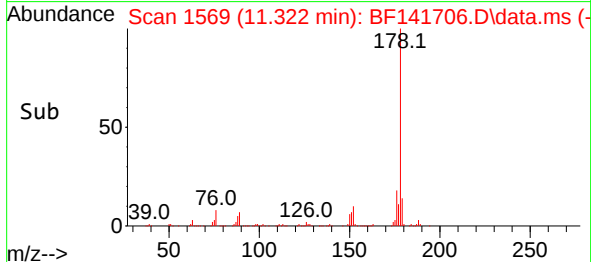
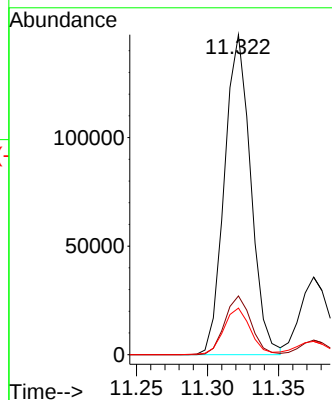
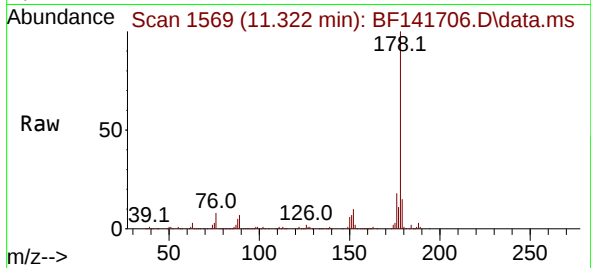




#71
Phenanthrene
Concen: 16.156 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

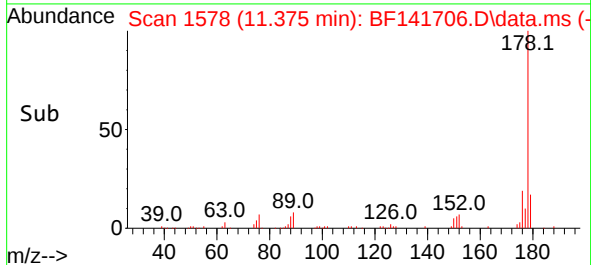
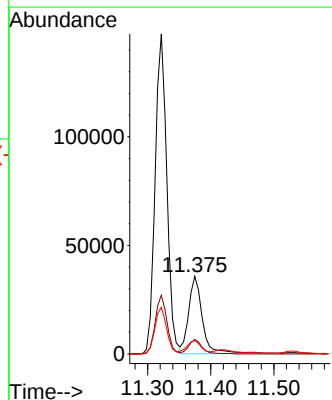
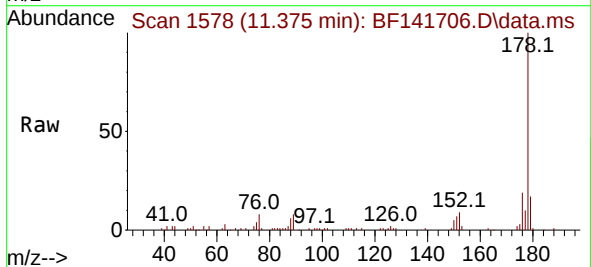
Instrument :
BNA_F
ClientSampleId :
OR-03-021823025

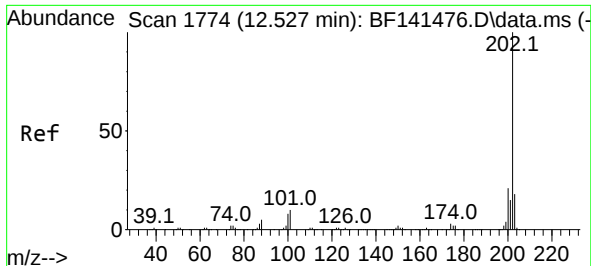
Tgt Ion:178 Resp: 189513
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 14.5 12.4 18.6



#72
Anthracene
Concen: 4.523 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

Tgt Ion:178 Resp: 53331
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 17.2 12.4 18.6

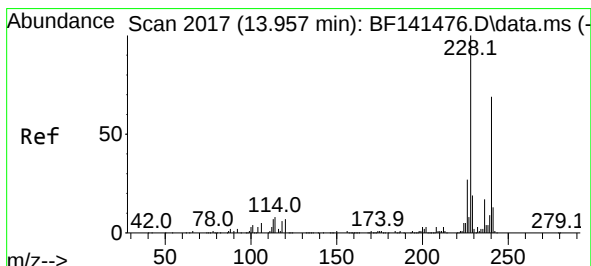
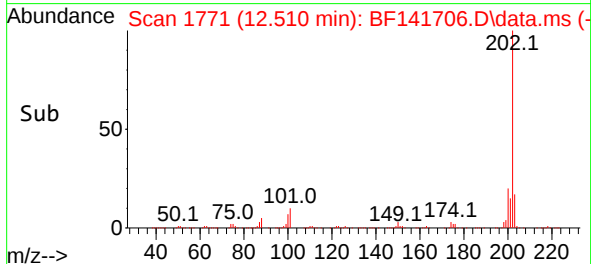
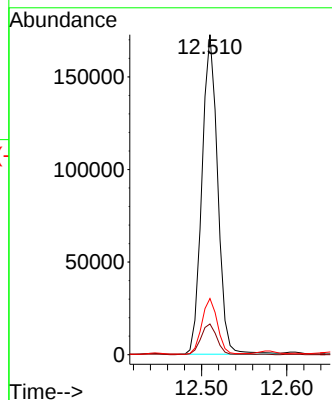
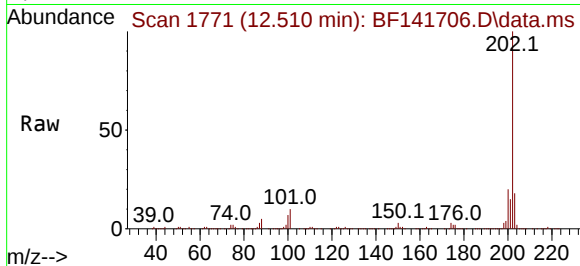




#75
Fluoranthene
Concen: 17.793 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

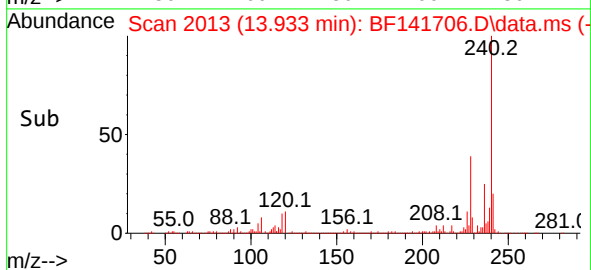
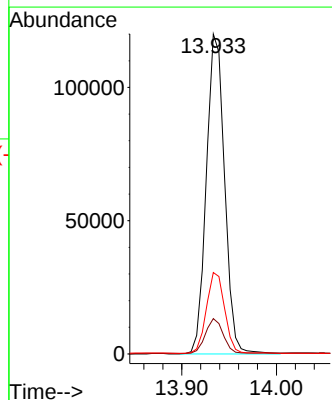
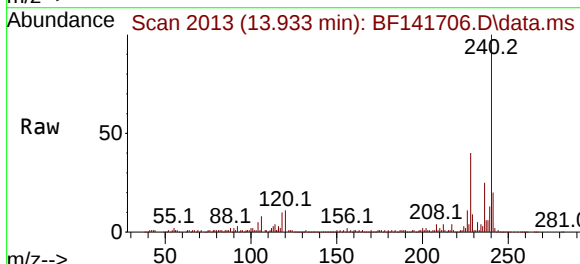
Instrument :
BNA_F
ClientSampleId :
OR-03-021823025

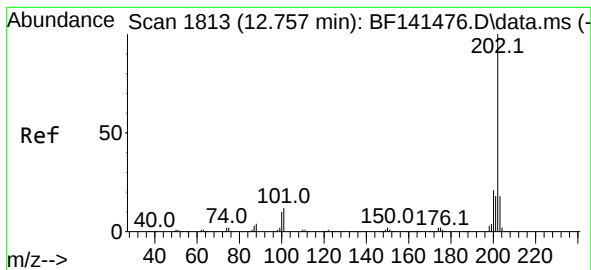
Tgt Ion:202 Resp: 221289
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.2
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

Tgt Ion:240 Resp: 160801
Ion Ratio Lower Upper
240 100
120 11.0 8.0 12.0
236 25.5 19.8 29.8





#78

Pyrene

Concen: 13.578 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

Instrument :

BNA_F

ClientSampleId :

OR-03-021823025

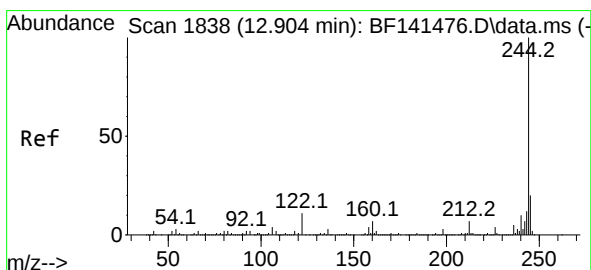
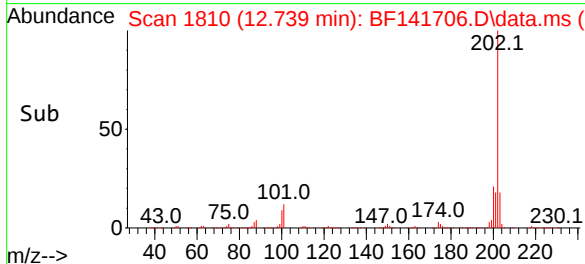
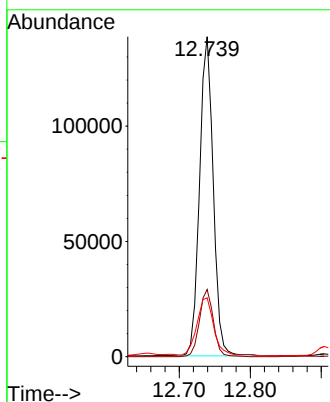
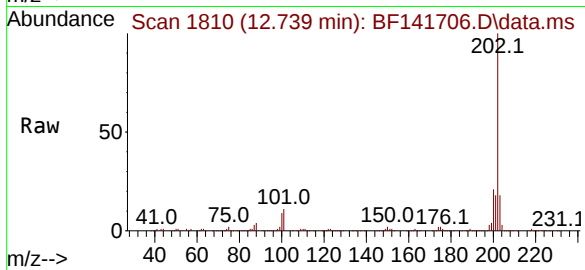
Tgt Ion:202 Resp: 185863

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 18.4 14.3 21.5



#79

Terphenyl-d14

Concen: 10.863 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

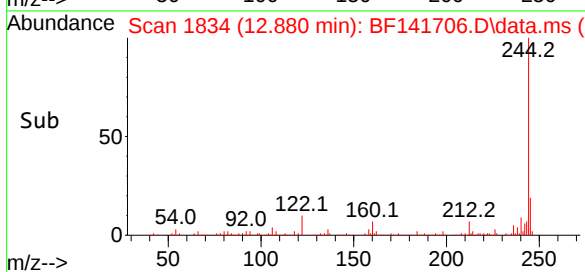
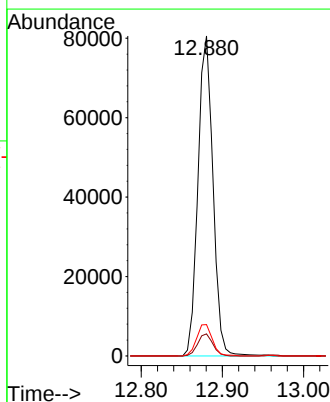
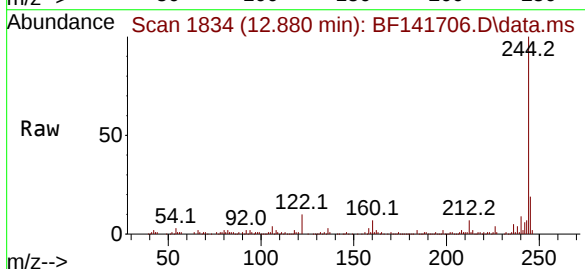
Tgt Ion:244 Resp: 103474

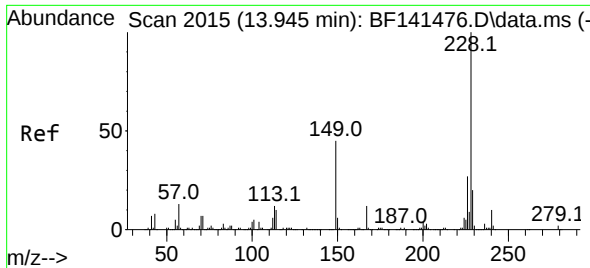
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 9.8 8.4 12.6

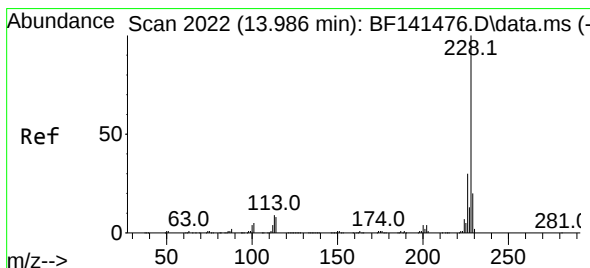
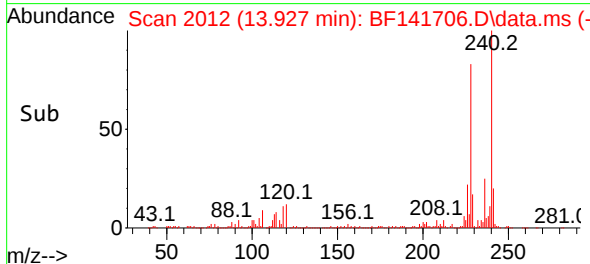
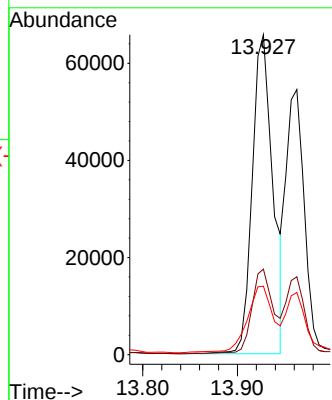
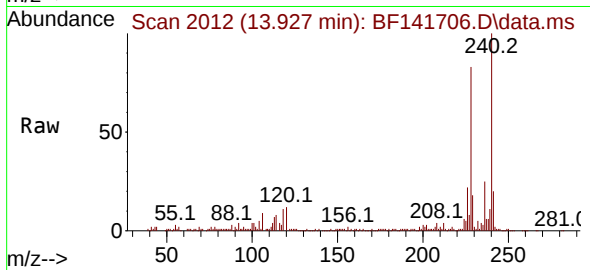




#81
Benzo(a)anthracene
Concen: 9.298 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.023 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

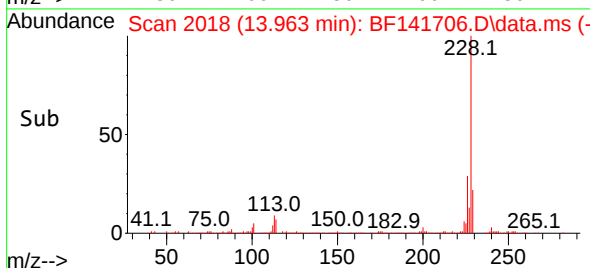
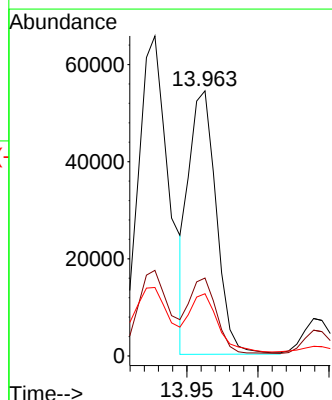
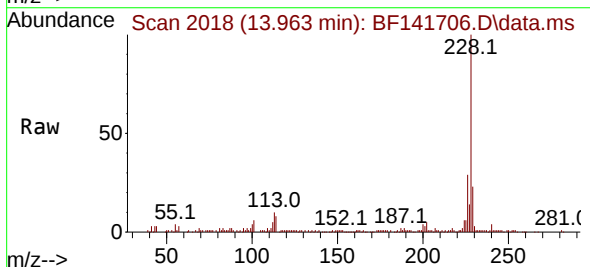
Instrument :
BNA_F
ClientSampleId :
OR-03-021823025

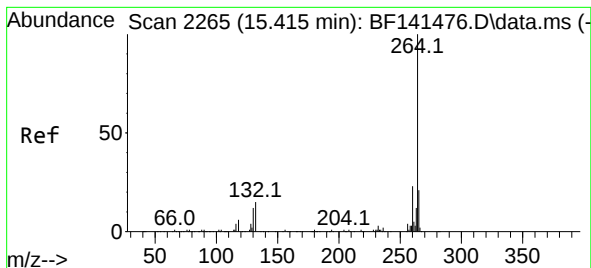
Tgt Ion:228 Resp: 99389
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.8
229 21.4 15.8 23.6



#83
Chrysene
Concen: 7.380 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.029 min
Lab File: BF141706.D
Acq: 20 Feb 2025 16:35

Tgt Ion:228 Resp: 72841
Ion Ratio Lower Upper
228 100
226 29.4 24.0 36.0
229 23.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

Instrument :

BNA_F

ClientSampleId :

OR-03-021823025

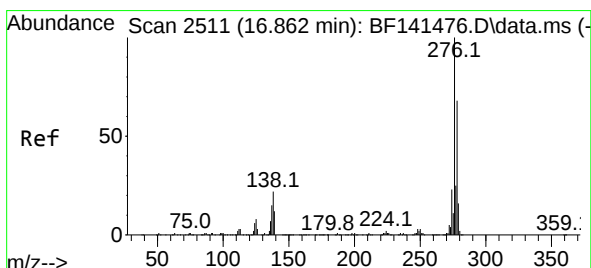
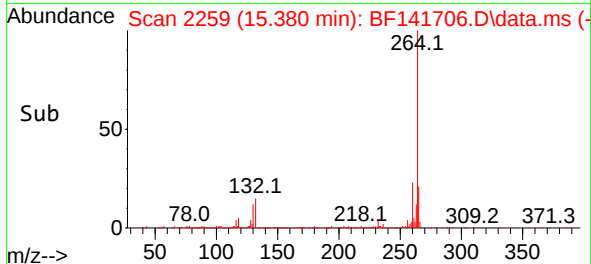
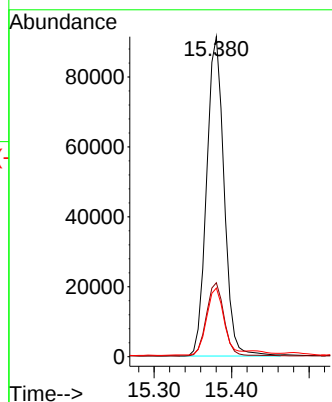
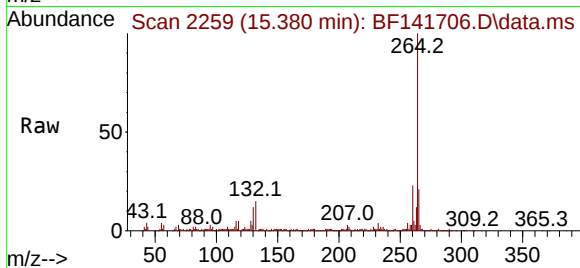
Tgt Ion:264 Resp: 143212

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 21.4 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.554 ng

RT: 16.810 min Scan# 2502

Delta R.T. -0.064 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

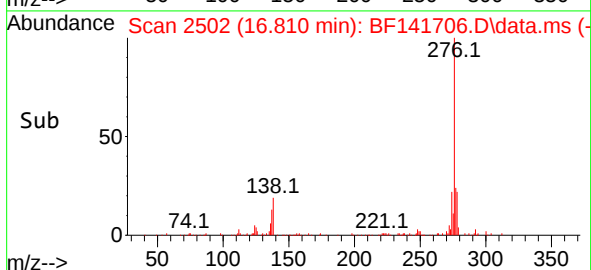
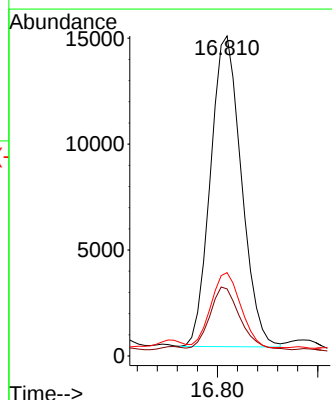
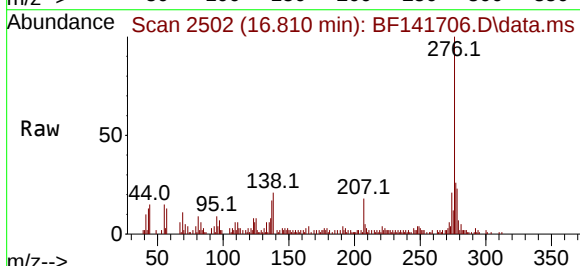
Tgt Ion:276 Resp: 31446

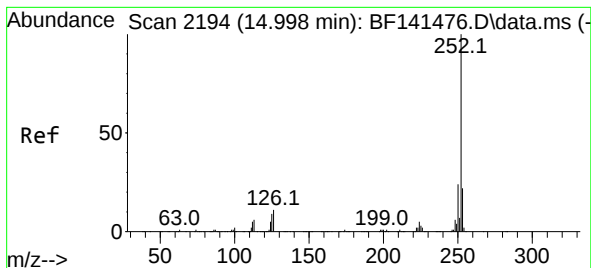
Ion Ratio Lower Upper

276 100

138 20.3 18.0 27.0

277 23.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 12.627 ng

RT: 14.963 min Scan# 2188

Delta R.T. -0.041 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

Instrument :

BNA_F

ClientSampleId :

OR-03-021823025

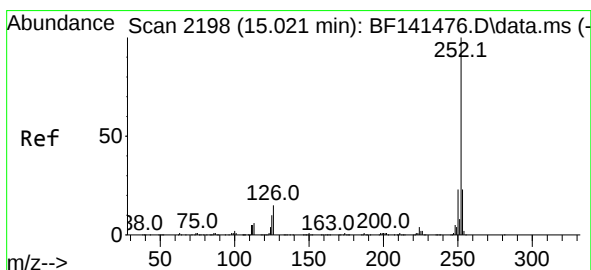
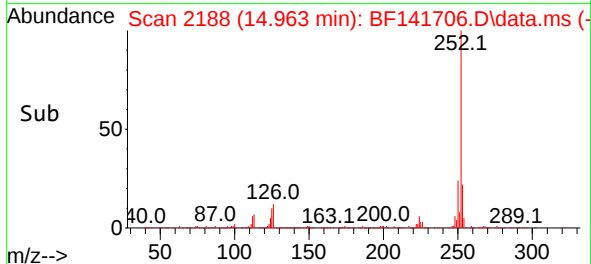
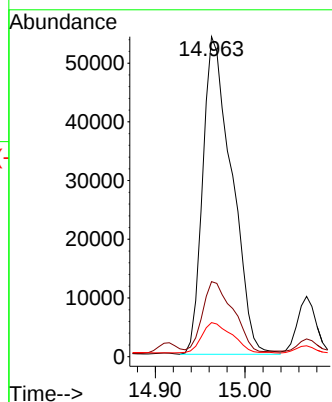
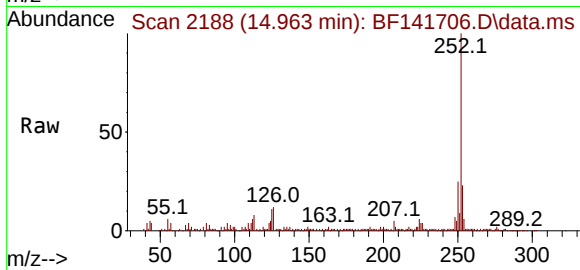
Tgt Ion:252 Resp: 121417

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 10.6 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 14.787 ng

RT: 14.963 min Scan# 2188

Delta R.T. -0.070 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

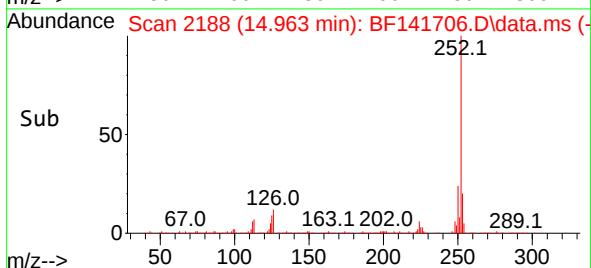
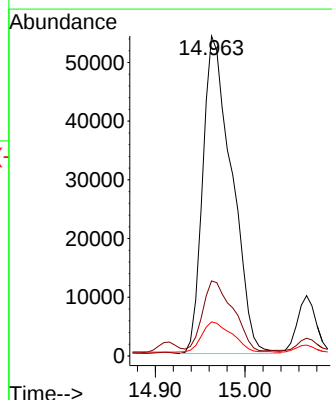
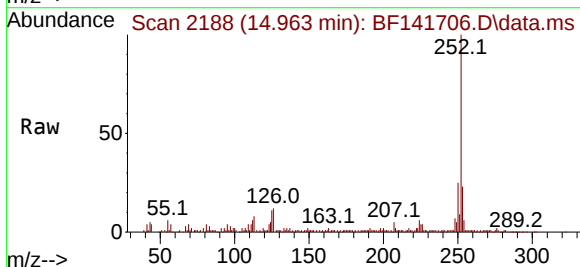
Tgt Ion:252 Resp: 121417

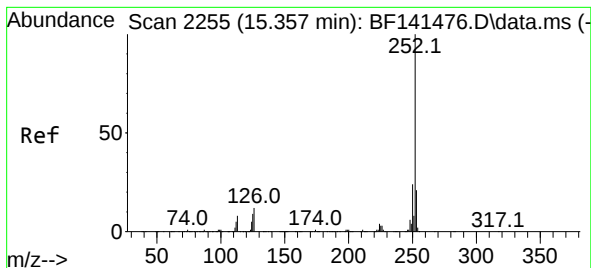
Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

125 10.6 7.4 11.0





#90

Benzo(a)pyrene

Concen: 8.437 ng

RT: 15.316 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

Instrument :

BNA_F

ClientSampleId :

OR-03-021823025

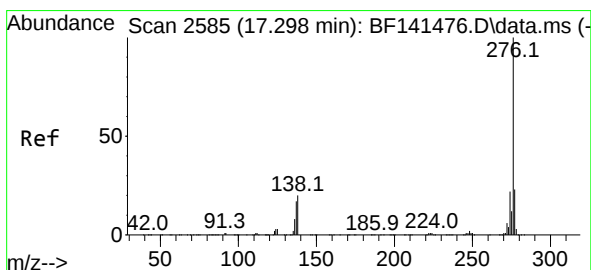
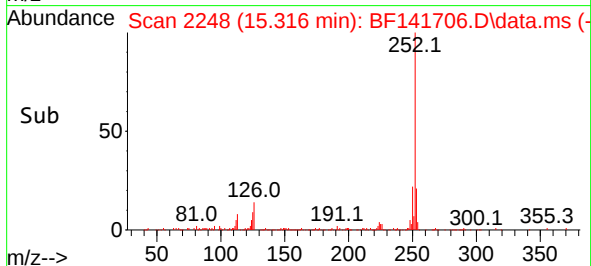
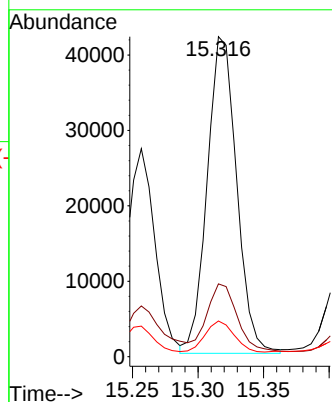
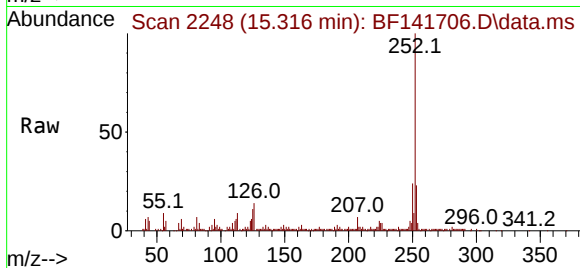
Tgt Ion:252 Resp: 65647

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 11.1 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 4.232 ng

RT: 17.239 min Scan# 2575

Delta R.T. -0.076 min

Lab File: BF141706.D

Acq: 20 Feb 2025 16:35

Tgt Ion:276 Resp: 31754

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 20.6 15.9 23.9

