

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141601.D
 Acq On : 12 Feb 2025 20:04
 Operator : RC/JU
 Sample : Q1341-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAR-ROLLOFFS

Quant Time: Feb 12 22:00:57 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)

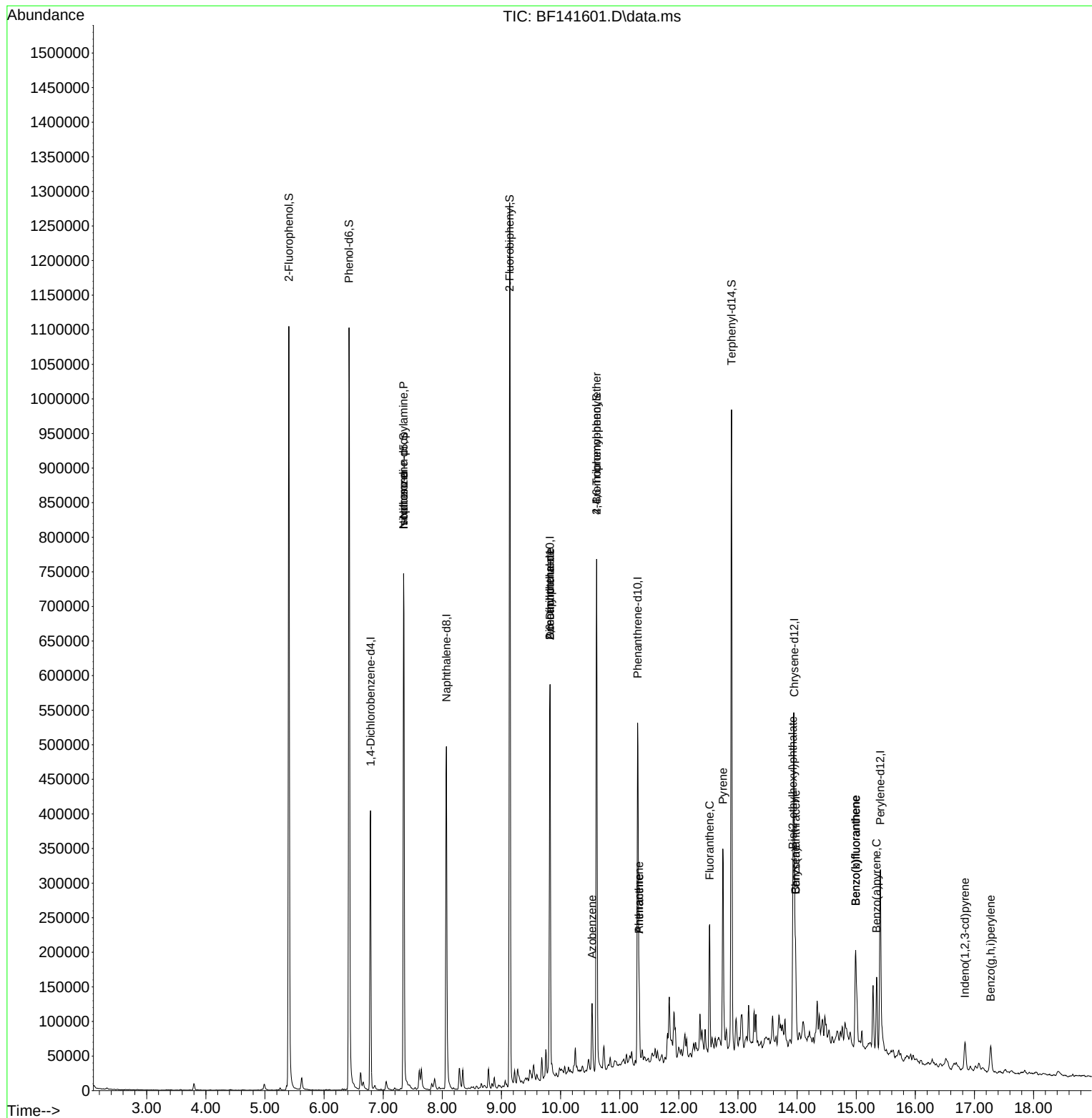
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	85235	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	330272	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	170346	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	255809	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	174419	20.000	ng	-0.01
86) Perylene-d12	15.409	264	158124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	415391	76.404	ng	0.00
7) Phenol-d6	6.422	99	503486	73.270	ng	-0.02
23) Nitrobenzene-d5	7.345	82	330847	52.249	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	117364	68.586	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	569467	51.504	ng	-0.01
79) Terphenyl-d14	12.892	244	442381	42.817	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	45606	11.095	ng	# 73
25) Isophorone	7.345	82	317420	31.439	ng	# 66
50) Dimethylphthalate	9.822	163	26940	2.330	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	22415	8.867	ng	# 23
63) Azobenzene	10.533	77	22835	2.019	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	8371	2.928	ng	# 1
71) Phenanthrene	11.327	178	56329	4.000	ng	99
72) Anthracene	11.327	178	56329	3.979	ng	99
75) Fluoranthene	12.521	202	106916	7.162	ng	98
78) Pyrene	12.745	202	167647	11.291	ng	99
81) Benzo(a)anthracene	13.974	228	75380	6.502	ng	95
83) Chrysene	13.974	228	75380	7.041	ng	98
84) Bis(2-ethylhexyl)phtha...	13.927	149	51534	8.885	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	30316	3.103	ng	96
88) Benzo(b)fluoranthene	14.992	252	111942	10.543	ng	98
89) Benzo(k)fluoranthene	14.992	252	111942	12.347	ng	99
90) Benzo(a)pyrene	15.345	252	60929	7.092	ng	97
92) Benzo(g,h,i)perylene	17.274	276	33388	4.030	ng	98

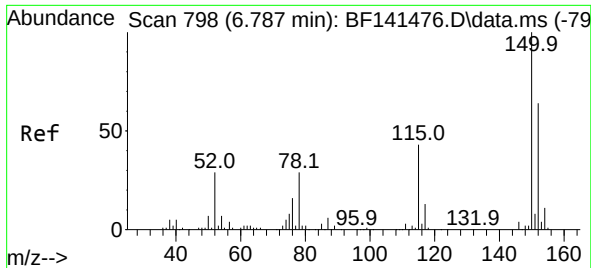
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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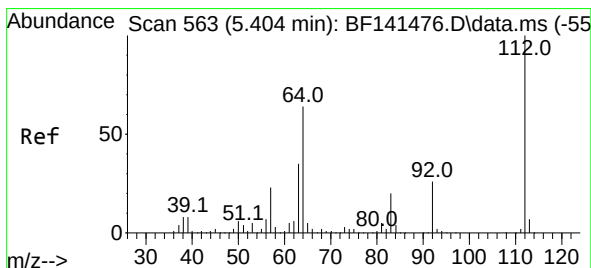
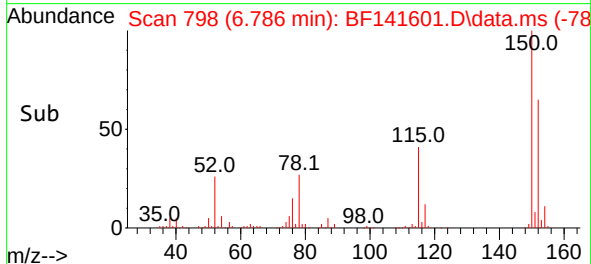
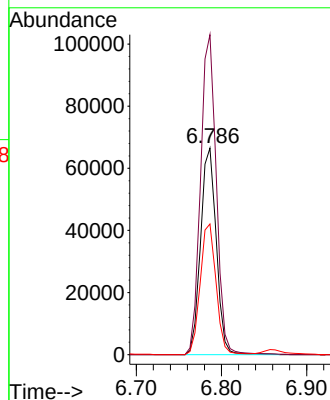
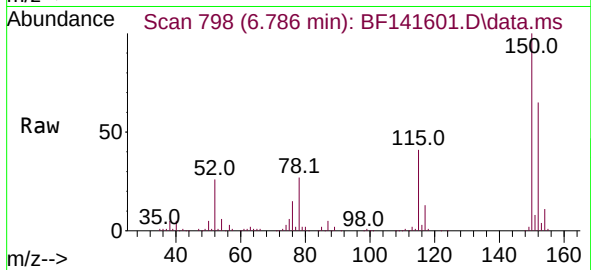




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: BF141601.D
 Acq: 12 Feb 2025 20:04

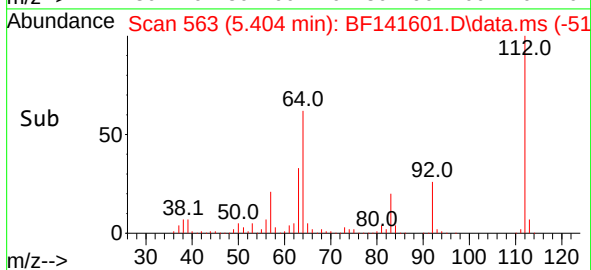
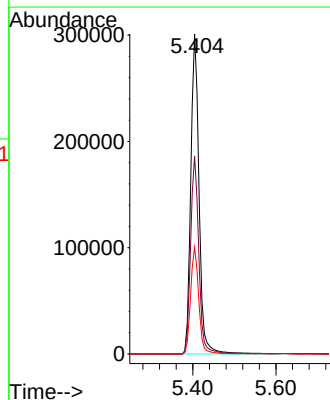
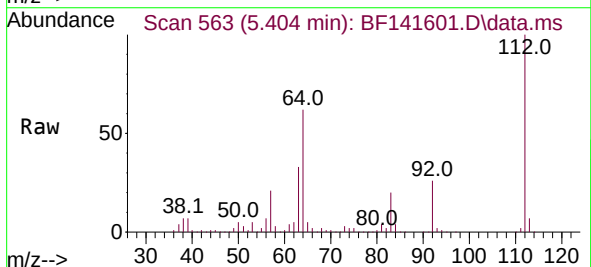
Instrument :
 BNA_F
 ClientSampleId :
 HAR-ROLLOFFS

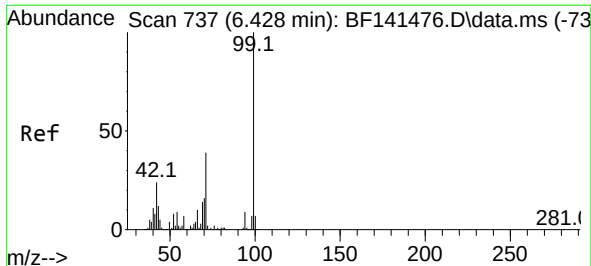
Tgt Ion:152 Resp: 85235
 Ion Ratio Lower Upper
 152 100
 150 154.9 125.0 187.4
 115 63.3 53.6 80.4



#5
 2-Fluorophenol
 Concen: 76.404 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141601.D
 Acq: 12 Feb 2025 20:04

Tgt Ion:112 Resp: 415391
 Ion Ratio Lower Upper
 112 100
 64 61.9 51.1 76.7
 63 33.4 28.4 42.6

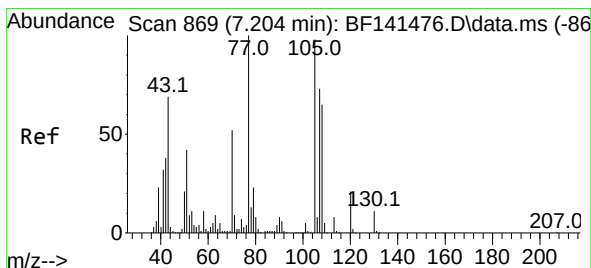
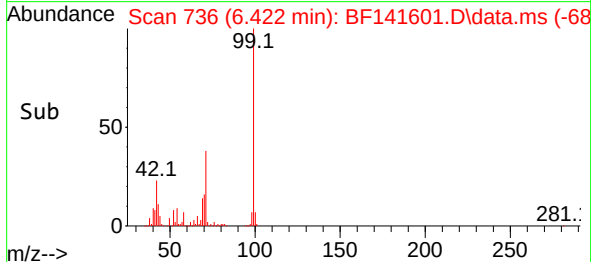
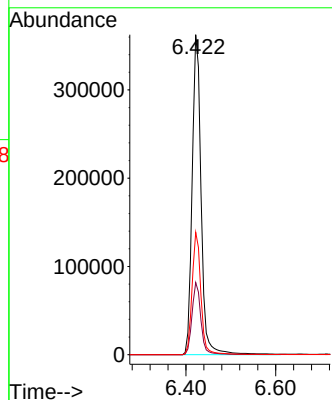
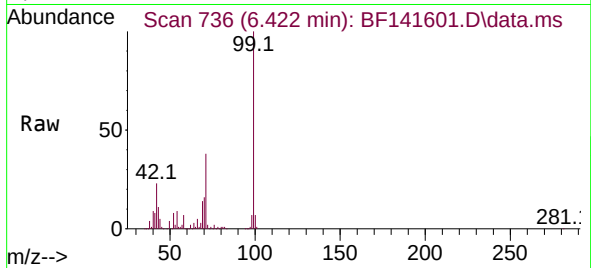




#7
Phenol-d6
Concen: 73.270 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

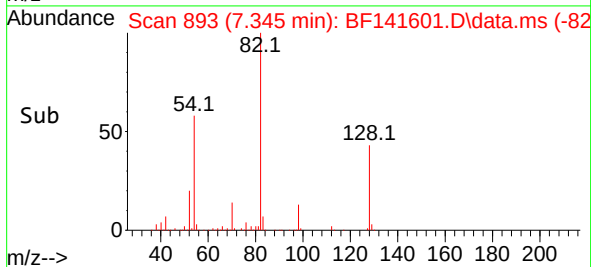
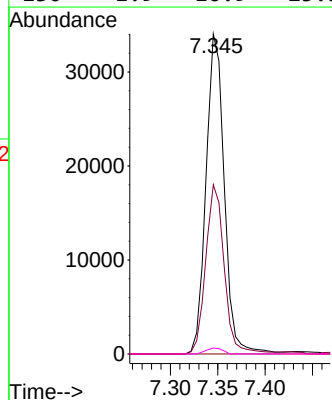
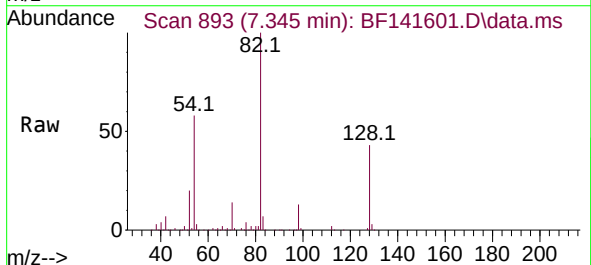
Instrument :
BNA_F
ClientSampleId :
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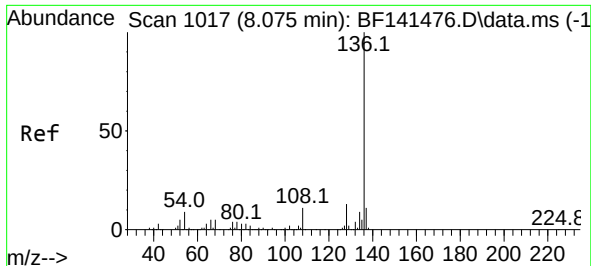
Tgt Ion: 99 Resp: 503486
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 38.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.095 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Tgt Ion: 70 Resp: 45606
Ion Ratio Lower Upper
70 100
42 52.9 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#

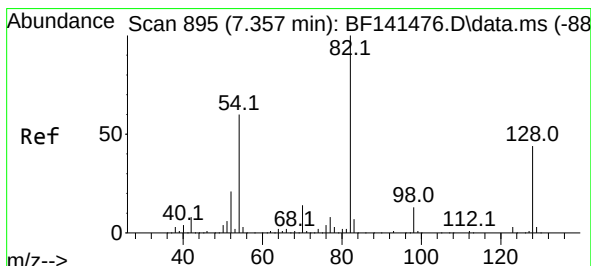
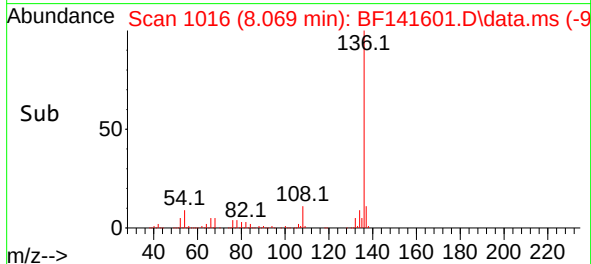
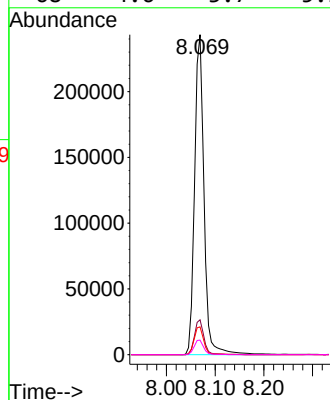
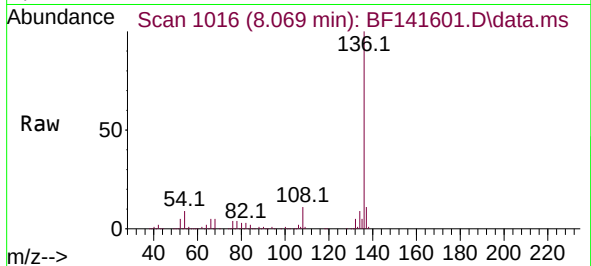




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

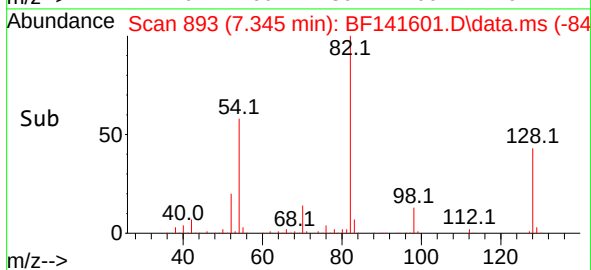
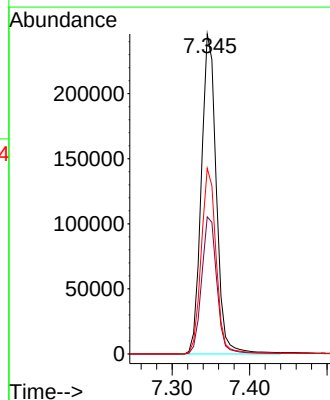
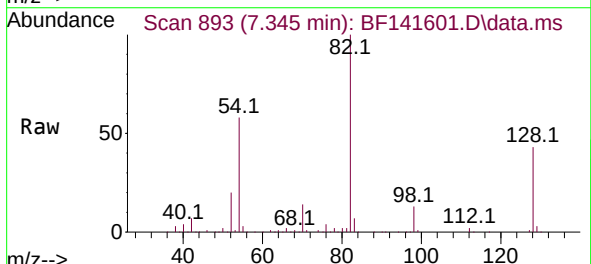
Instrument :
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ClientSampleId :
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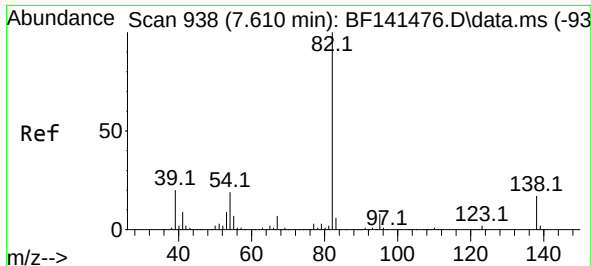
Tgt Ion:136 Resp: 330272
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.7 7.2 10.8
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 52.249 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Tgt Ion: 82 Resp: 330847
Ion Ratio Lower Upper
82 100
128 42.8 34.8 52.2
54 58.1 48.2 72.4

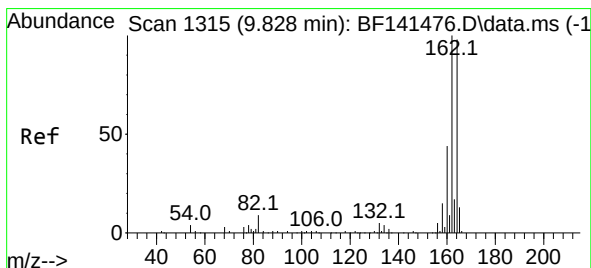
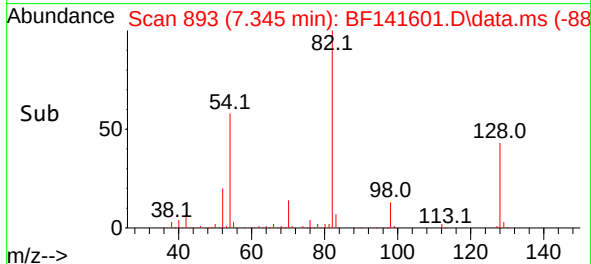
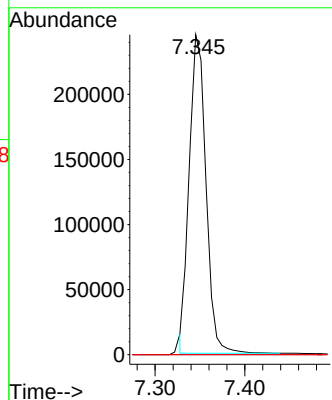
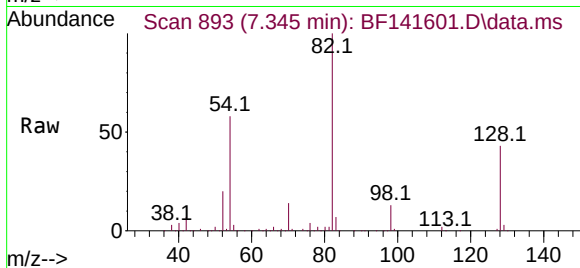




#25
Isophorone
Concen: 31.439 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

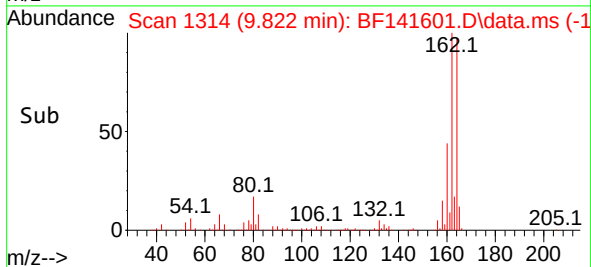
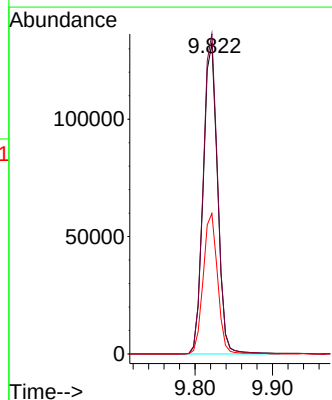
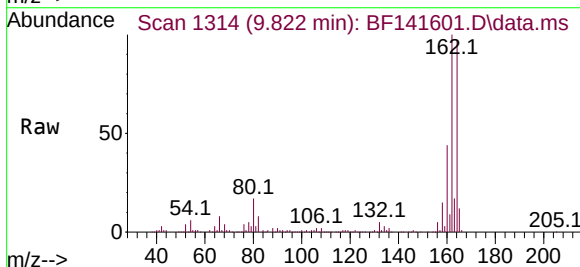
Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS

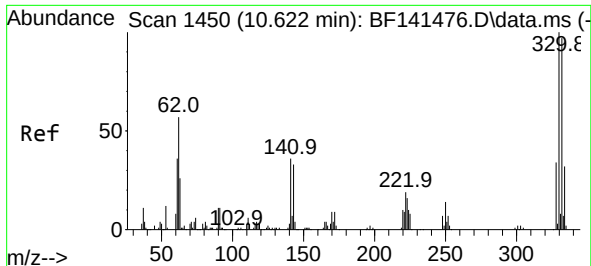
Tgt Ion: 82 Resp: 317420
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

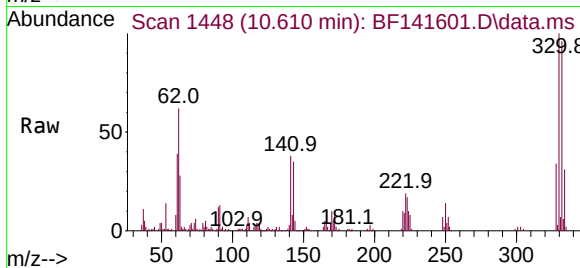
Tgt Ion:164 Resp: 170346
Ion Ratio Lower Upper
164 100
162 103.0 81.3 121.9
160 45.2 35.9 53.9



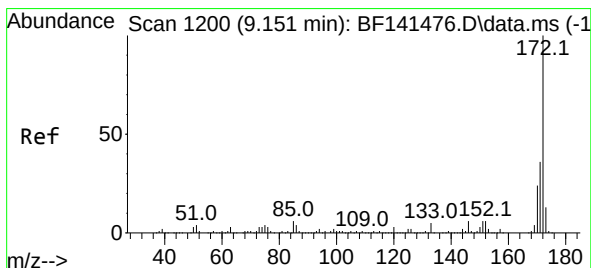
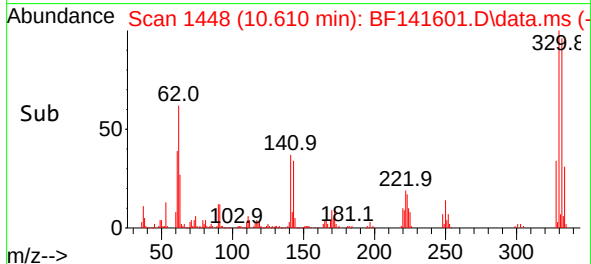
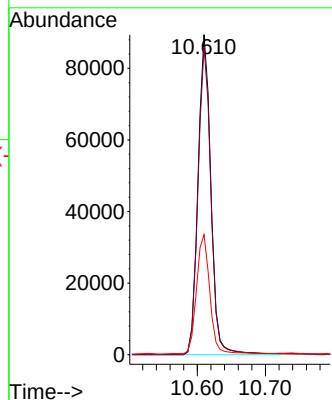


#42
2,4,6-Tribromophenol
Concen: 68.586 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS

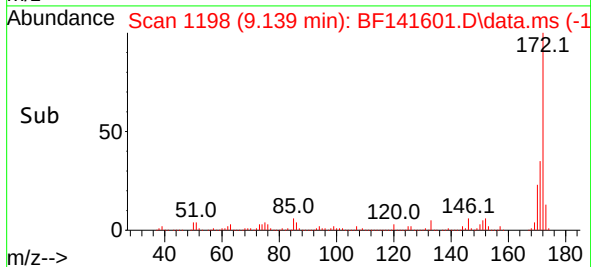
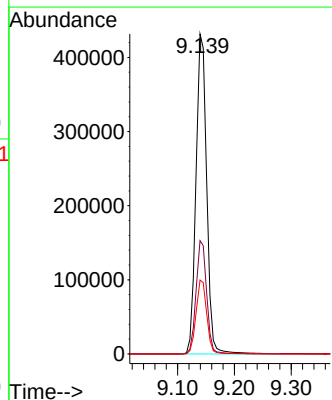
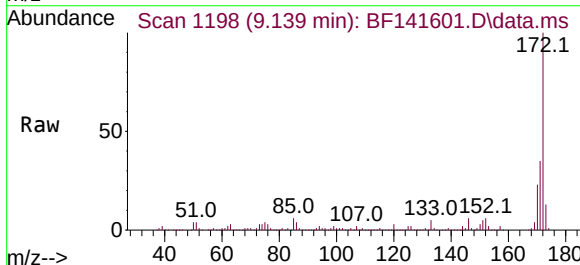


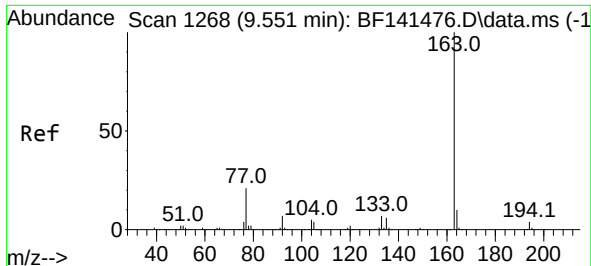
Tgt Ion: 330 Resp: 117364
Ion Ratio Lower Upper
330 100
332 96.3 78.5 117.7
141 38.4 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 51.504 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Tgt Ion: 172 Resp: 569467
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3

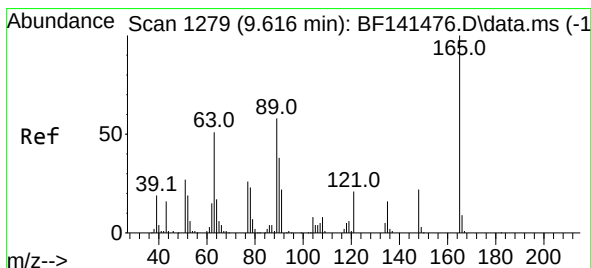
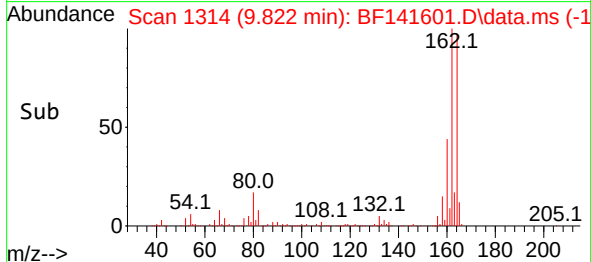
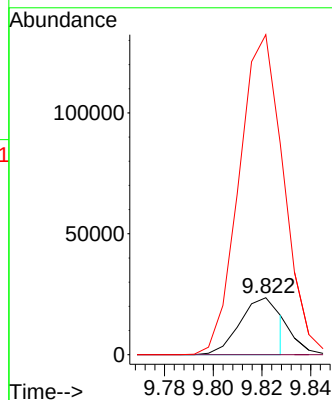
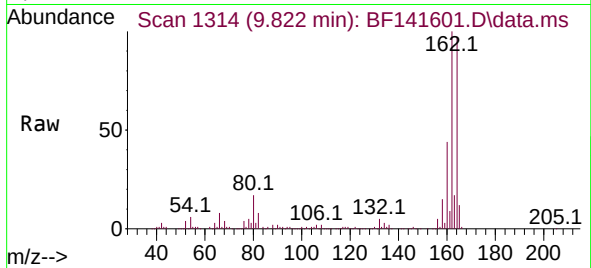




#50
Dimethylphthalate
Concen: 2.330 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

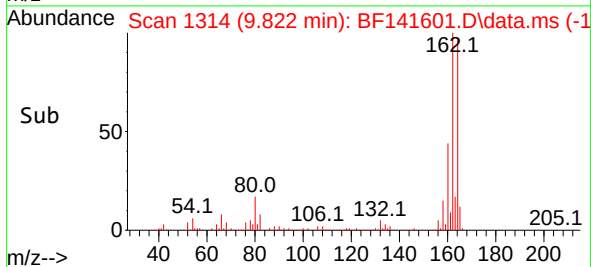
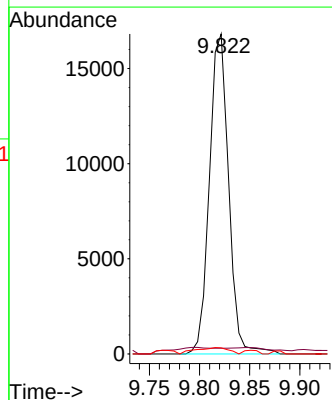
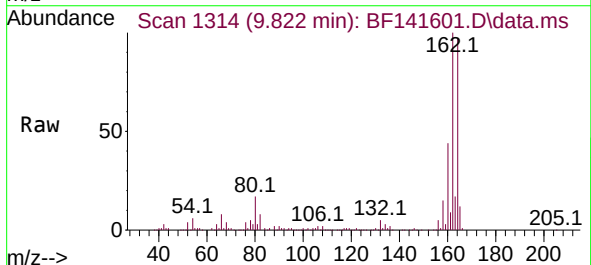
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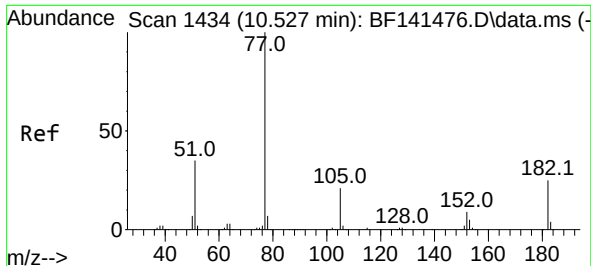
Tgt Ion:163 Resp: 26940
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 561.4 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.867 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Tgt Ion:165 Resp: 22415
Ion Ratio Lower Upper
165 100
63 1.8 49.4 74.0#
89 1.9 46.5 69.7#

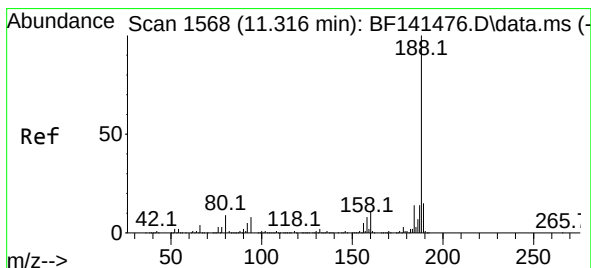
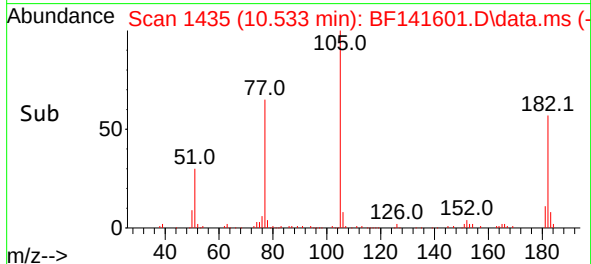
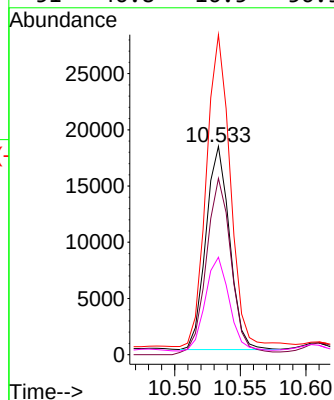
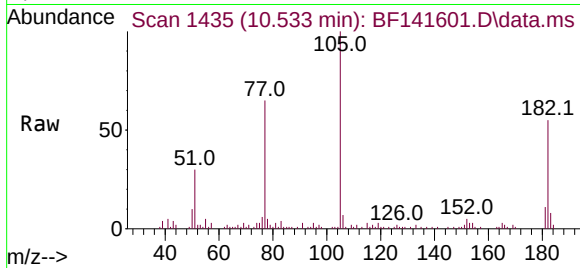




#63
Azobenzene
Concen: 2.019 ng
RT: 10.533 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

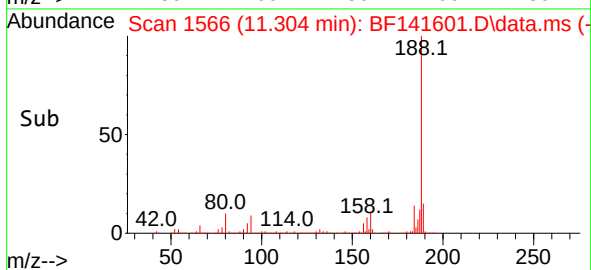
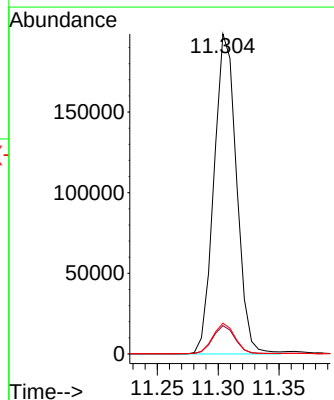
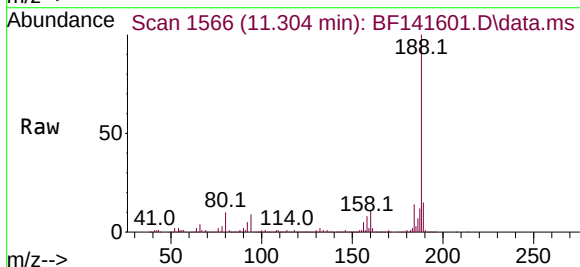
Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS

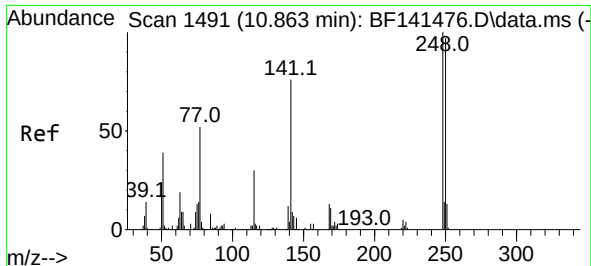
Tgt Ion: 77	Resp: 22835
Ion Ratio	Lower Upper
77 100	
182 84.6	4.7 44.7#
105 153.6	0.4 40.4#
51 46.8	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Tgt Ion: 188	Resp: 255809
Ion Ratio	Lower Upper
188 100	
94 8.8	6.6 10.0
80 9.6	7.3 10.9

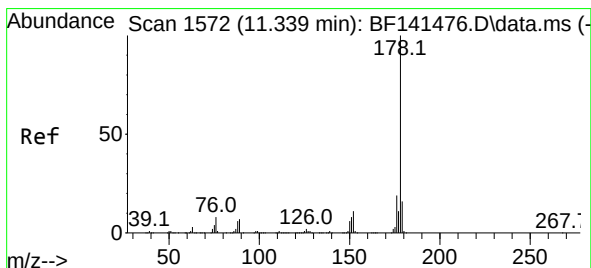
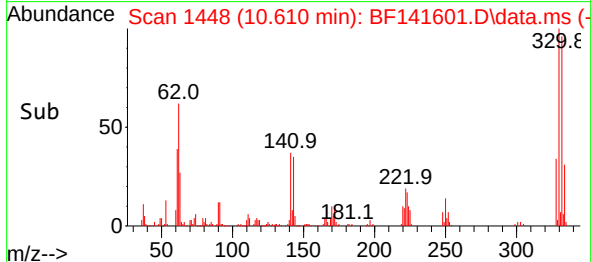
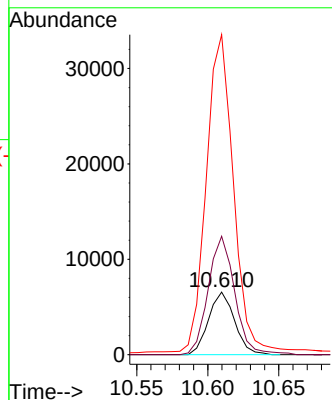
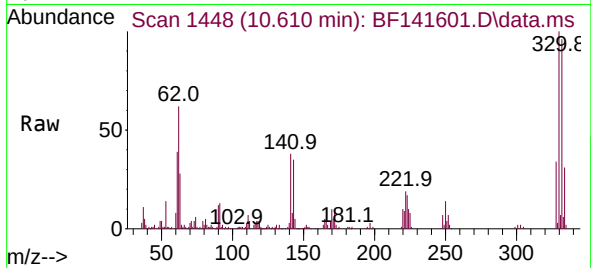




#67
4-Bromophenyl-phenylether
Concen: 2.928 ng
RT: 10.610 min Scan# 1491
Delta R.T. -0.253 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

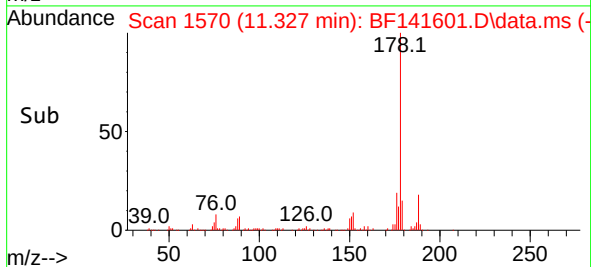
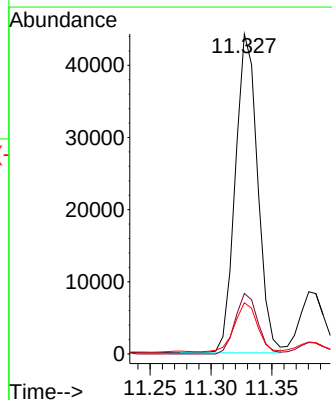
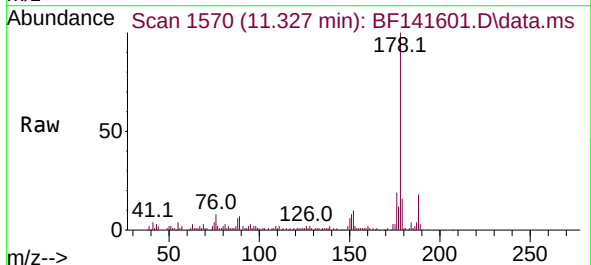
Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS

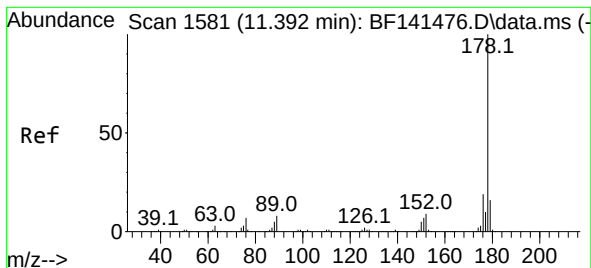
Tgt Ion:248 Resp: 8371
Ion Ratio Lower Upper
248 100
250 189.0 77.8 116.6#
141 511.1 60.6 90.8#



#71
Phenanthrene
Concen: 4.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Tgt Ion:178 Resp: 56329
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 16.0 12.4 18.6





#72

Anthracene

Concen: 3.979 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.071 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

Instrument :

BNA_F

ClientSampleId :

HAR-ROLLOFFS

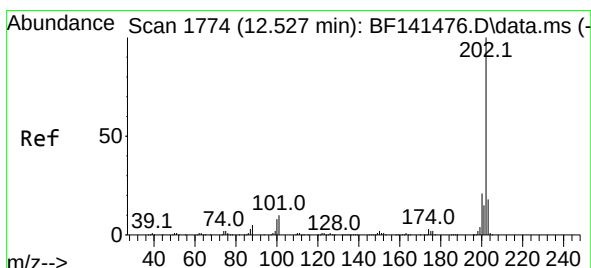
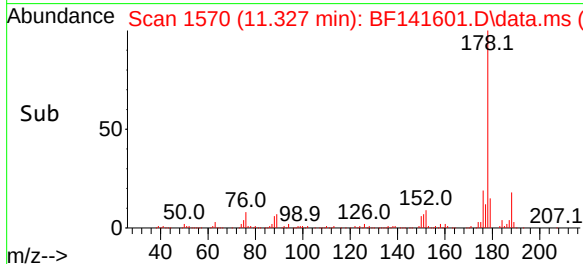
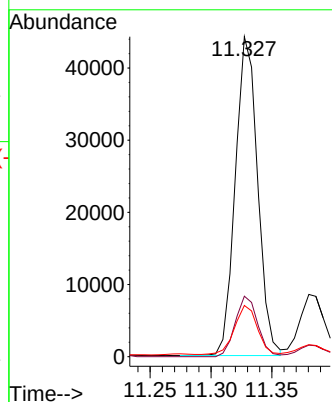
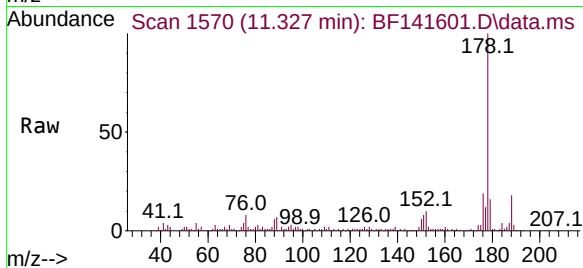
Tgt Ion:178 Resp: 56329

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 16.0 12.4 18.6



#75

Fluoranthene

Concen: 7.162 ng

RT: 12.521 min Scan# 1773

Delta R.T. -0.012 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

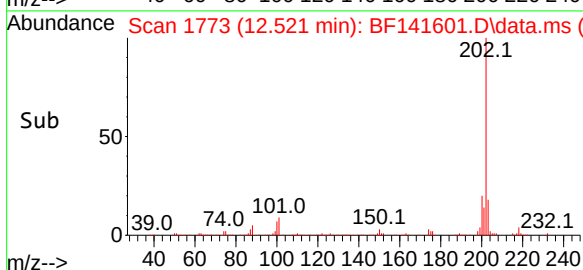
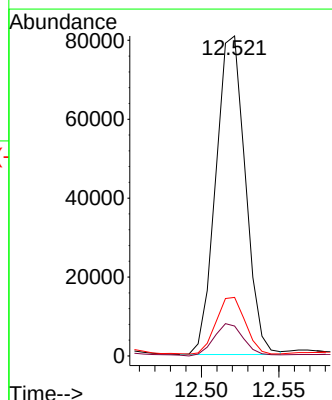
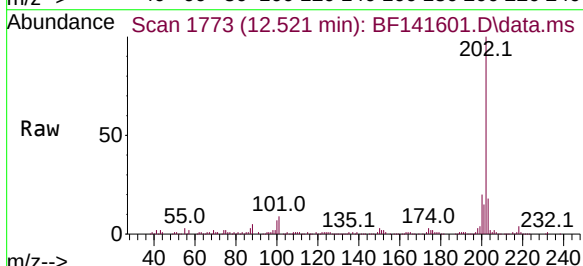
Tgt Ion:202 Resp: 106916

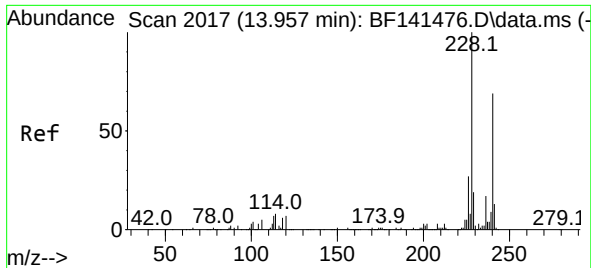
Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.2

203 18.3 0.0 37.6

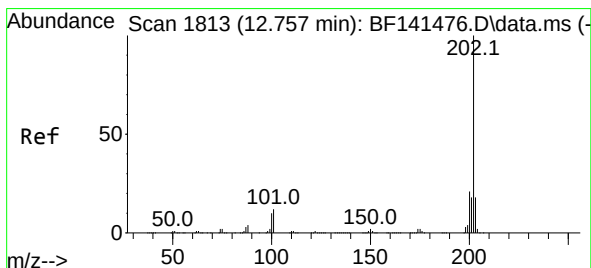
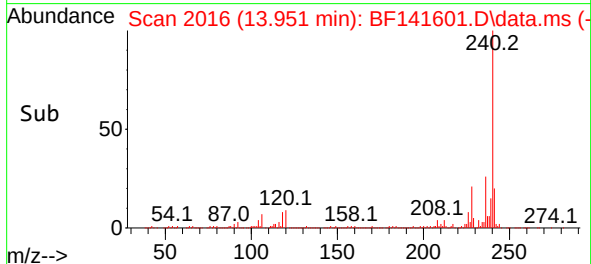
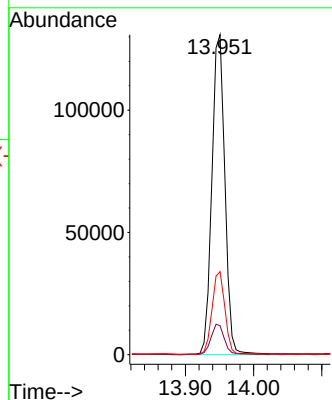
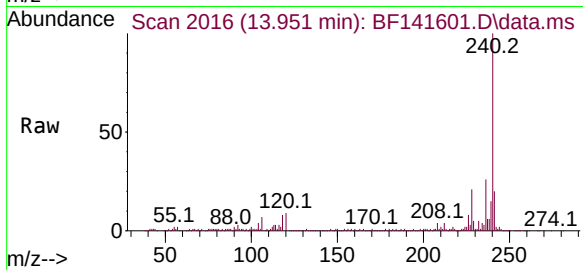




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

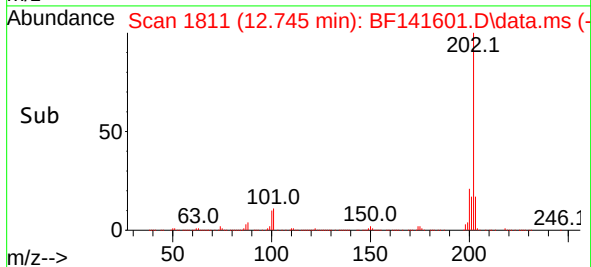
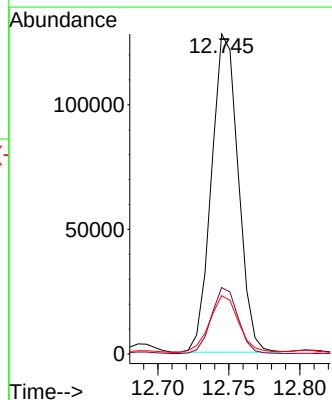
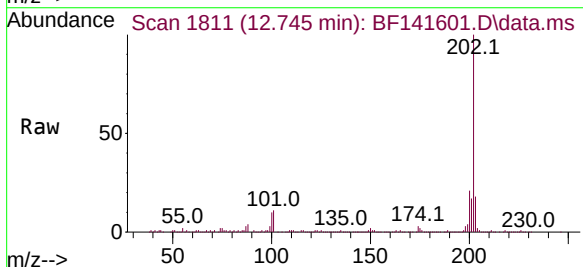
Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS

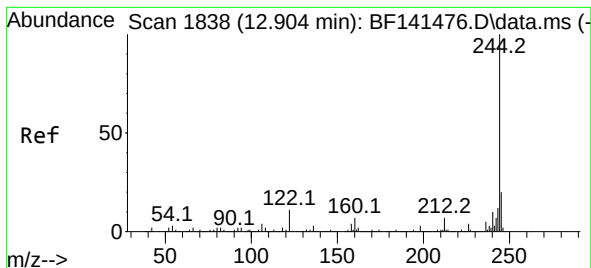
Tgt Ion:240 Resp: 174419
Ion Ratio Lower Upper
240 100
120 9.1 8.0 12.0
236 26.0 19.8 29.8



#78
Pyrene
Concen: 11.291 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Tgt Ion:202 Resp: 167647
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 18.2 14.3 21.5





#79

Terphenyl-d14

Concen: 42.817 ng

RT: 12.892 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

Instrument :

BNA_F

ClientSampleId :

HAR-ROLLOFFS

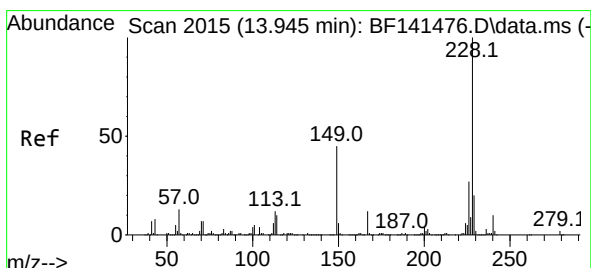
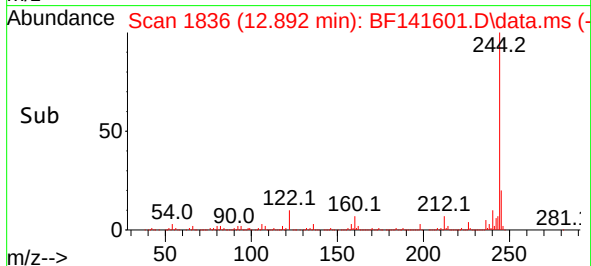
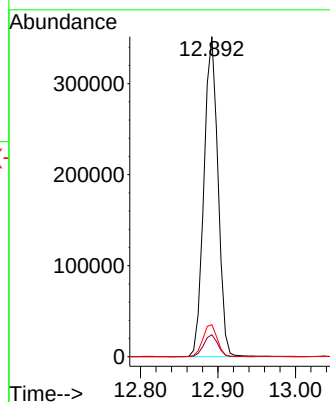
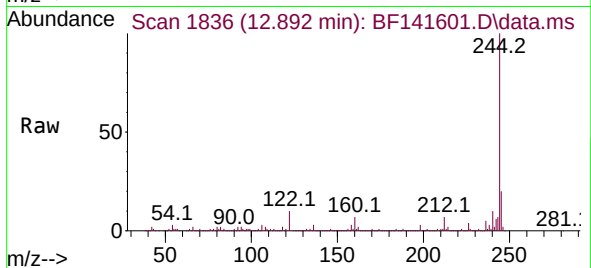
Tgt Ion:244 Resp: 442381

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: 6.502 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.024 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

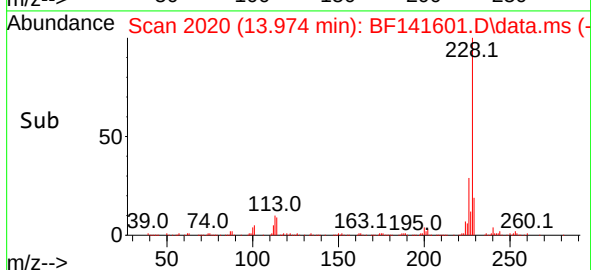
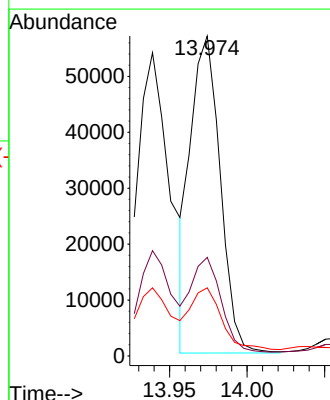
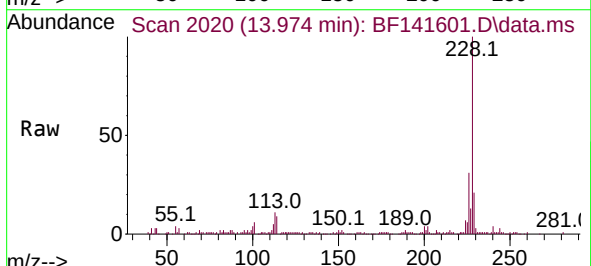
Tgt Ion:228 Resp: 75380

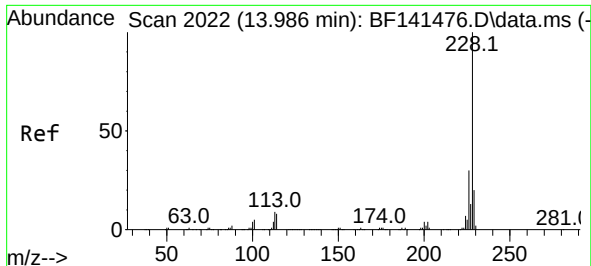
Ion Ratio Lower Upper

228 100

226 30.8 21.8 32.8

229 21.3 15.8 23.6





#83

Chrysene

Concen: 7.041 ng

RT: 13.974 min Scan# 2012

Delta R.T. -0.018 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

Instrument :

BNA_F

ClientSampleId :

HAR-ROLLOFFS

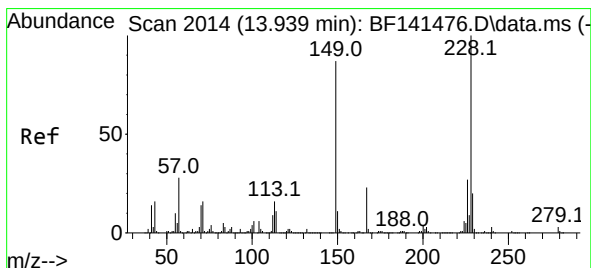
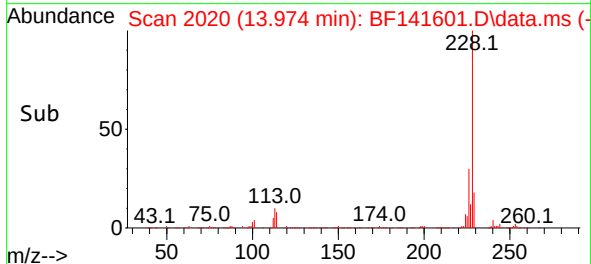
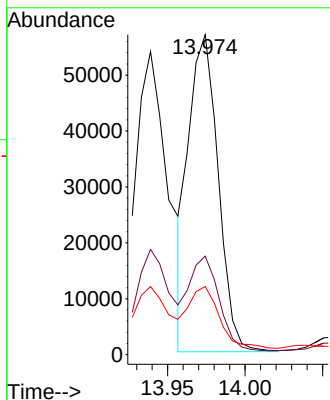
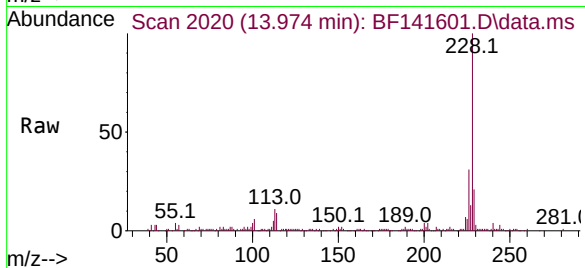
Tgt Ion:228 Resp: 75380

Ion Ratio Lower Upper

228 100

226 30.8 24.0 36.0

229 21.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.885 ng

RT: 13.927 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

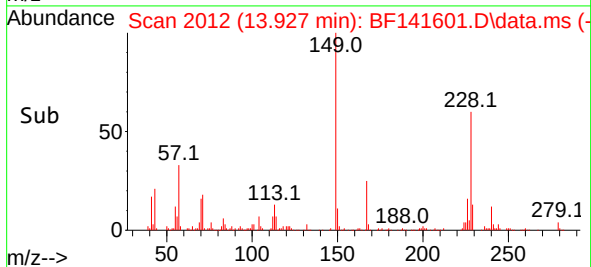
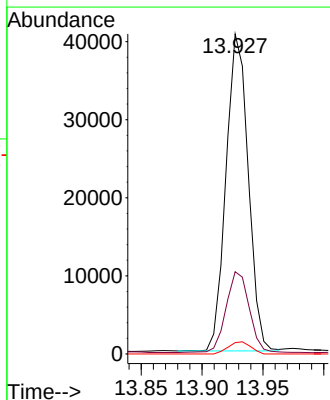
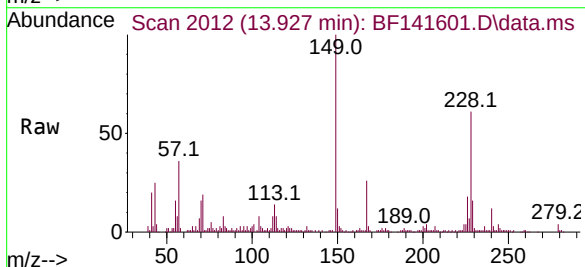
Tgt Ion:149 Resp: 51534

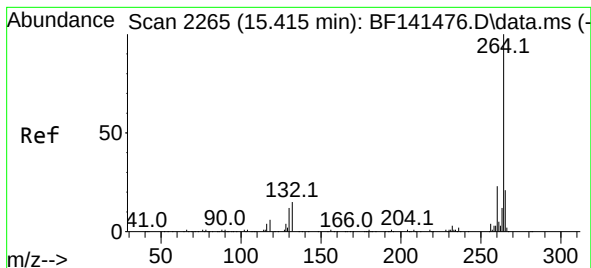
Ion Ratio Lower Upper

149 100

167 25.7 21.4 32.0

279 3.6 3.1 4.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

Instrument :

BNA_F

ClientSampleId :

HAR-ROLLOFFS

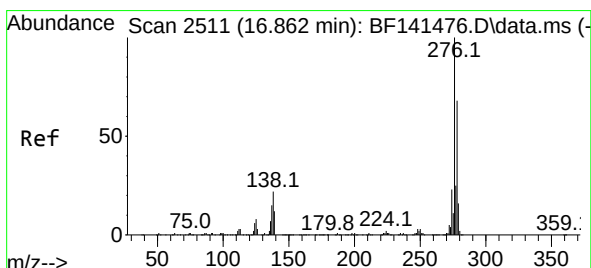
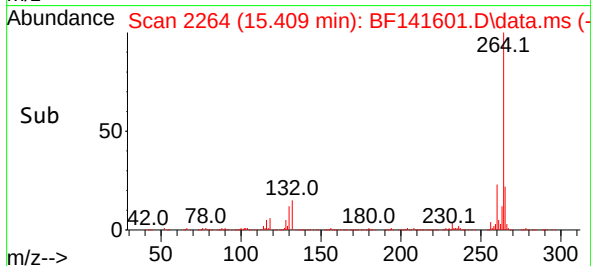
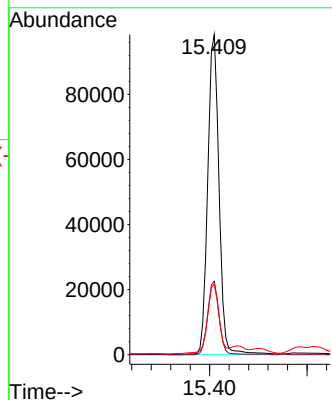
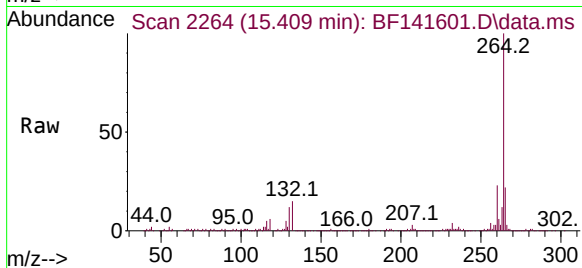
Tgt Ion:264 Resp: 158124

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 22.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.103 ng

RT: 16.839 min Scan# 2507

Delta R.T. -0.035 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

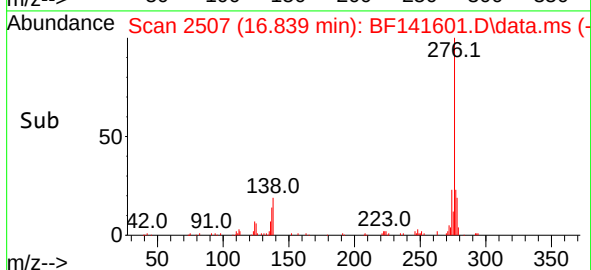
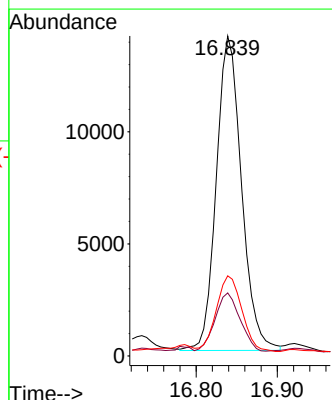
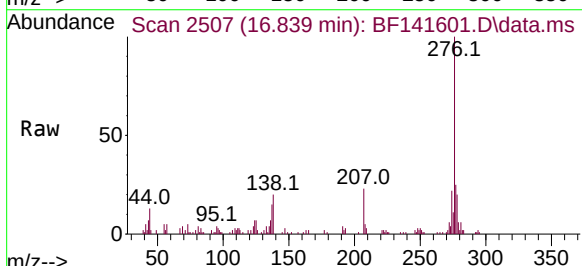
Tgt Ion:276 Resp: 30316

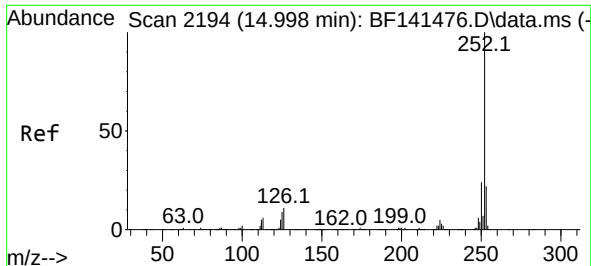
Ion Ratio Lower Upper

276 100

138 20.2 18.0 27.0

277 24.3 20.4 30.6

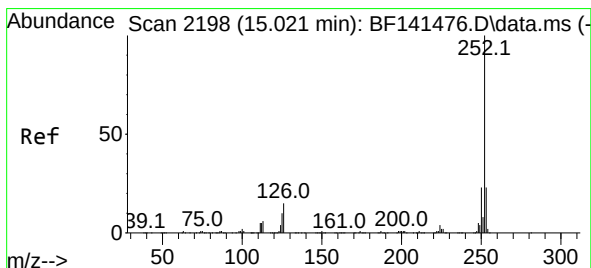
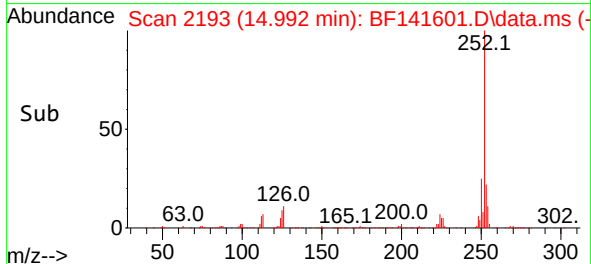
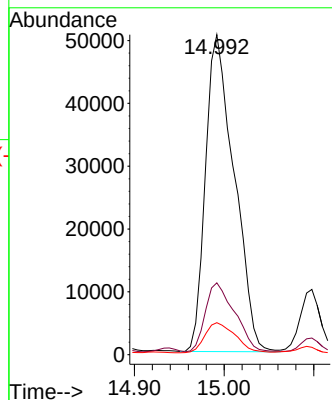
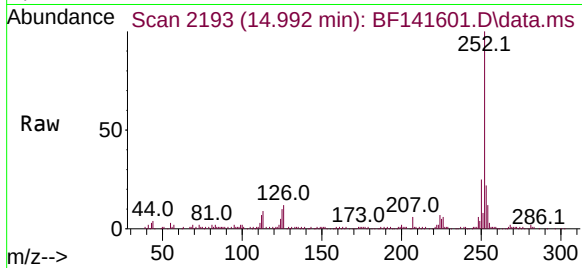




#88
Benzo(b)fluoranthene
Concen: 10.543 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

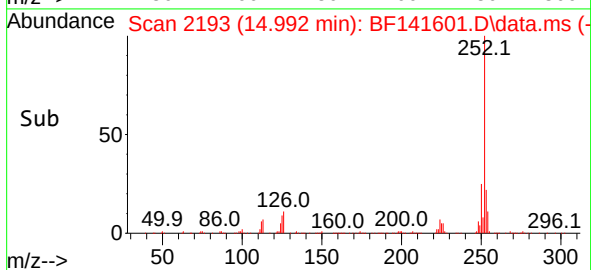
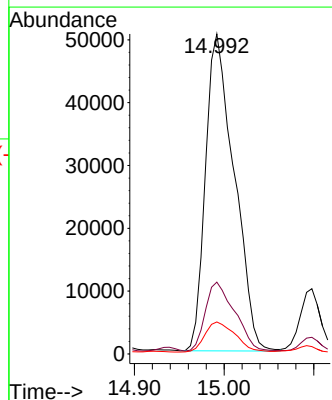
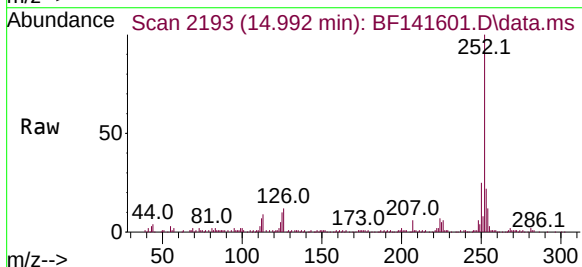
Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS

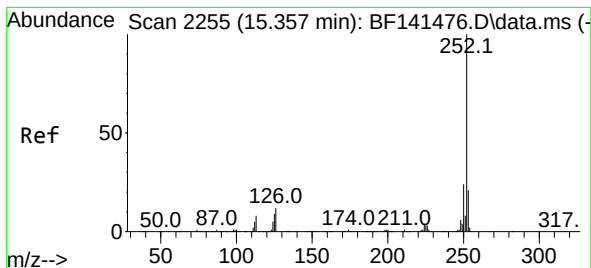
Tgt Ion:252 Resp: 111942
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.0 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 12.347 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.041 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Tgt Ion:252 Resp: 111942
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 10.0 7.4 11.0





#90

Benzo(a)pyrene

Concen: 7.092 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

Instrument :

BNA_F

ClientSampleId :

HAR-ROLLOFFS

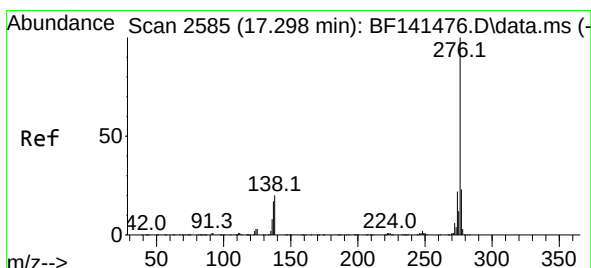
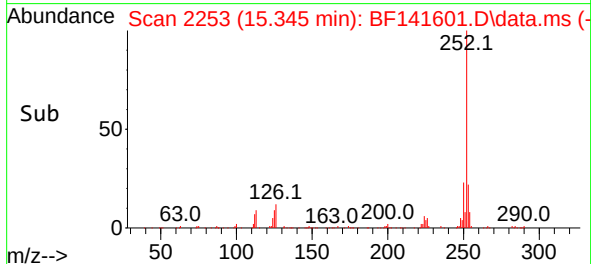
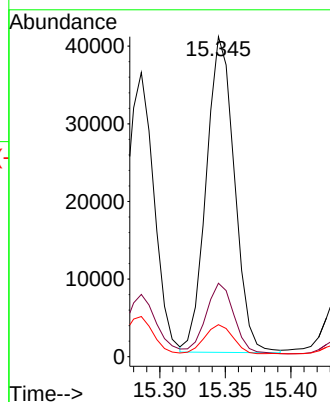
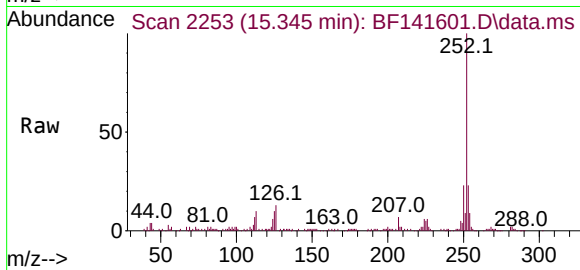
Tgt Ion:252 Resp: 60929

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 10.0 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 4.030 ng

RT: 17.274 min Scan# 2581

Delta R.T. -0.041 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

Tgt Ion:276 Resp: 33388

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 20.2 15.9 23.9

