

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141727.D
 Acq On : 21 Feb 2025 18:44
 Operator : RC/JU
 Sample : Q1397-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

Quant Time: Feb 21 21:50:24 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)

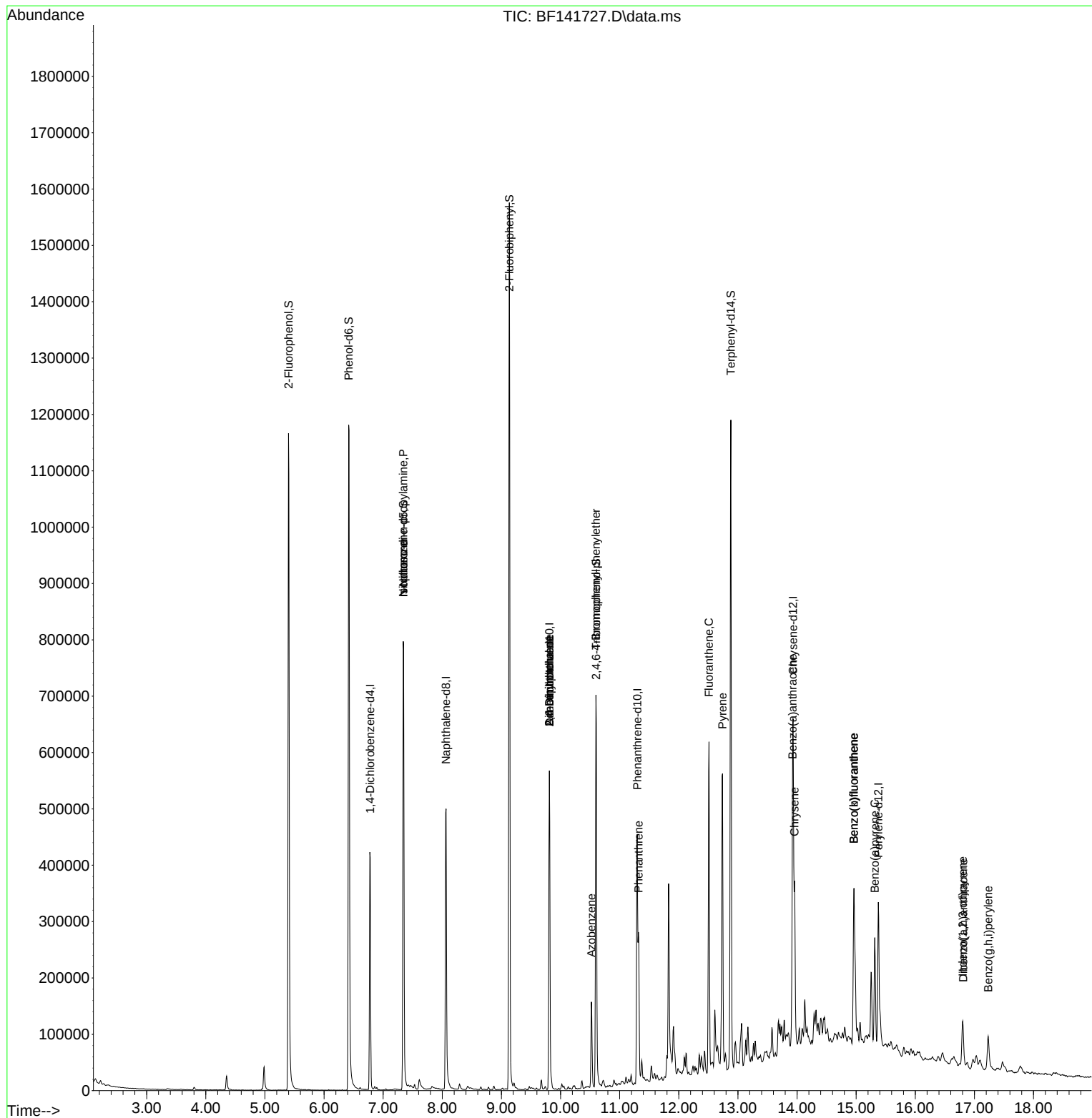
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	92156	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	361397	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	175014	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	239678	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	187436	20.000	ng	-0.03
86) Perylene-d12	15.374	264	149388	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	472292	80.346	ng	-0.01
7) Phenol-d6	6.416	99	584967	78.734	ng	-0.02
23) Nitrobenzene-d5	7.340	82	374169	54.002	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	118539	67.425	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	697861	61.433	ng	-0.02
79) Terphenyl-d14	12.880	244	560534	50.485	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	49818	11.210	ng	# 74
25) Isophorone	7.340	82	358414	32.442	ng	# 66
50) Dimethylphthalate	9.810	163	24007	2.021	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	22776	8.769	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	22776	6.587	ng	# 19
63) Azobenzene	10.522	77	38045	3.274	ng	# 1
67) 4-Bromophenyl-phenylether	10.598	248	8205	3.063	ng	# 1
71) Phenanthrene	11.322	178	141990	10.762	ng	100
75) Fluoranthene	12.510	202	333383	23.835	ng	99
78) Pyrene	12.739	202	314830	19.731	ng	100
81) Benzo(a)anthracene	13.921	228	165685	13.298	ng	98
83) Chrysene	13.957	228	155960	13.556	ng	97
87) Indeno(1,2,3-cd)pyrene	16.804	276	56761	6.149	ng	95
88) Benzo(b)fluoranthene	14.963	252	235400	23.468	ng	98
89) Benzo(k)fluoranthene	14.963	252	235400	27.483	ng	99
90) Benzo(a)pyrene	15.316	252	112679	13.883	ng	98
91) Dibenzo(a,h)anthracene	16.810	278	16236	2.171	ng	# 91
92) Benzo(g,h,i)perylene	17.233	276	54097	6.912	ng	100

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

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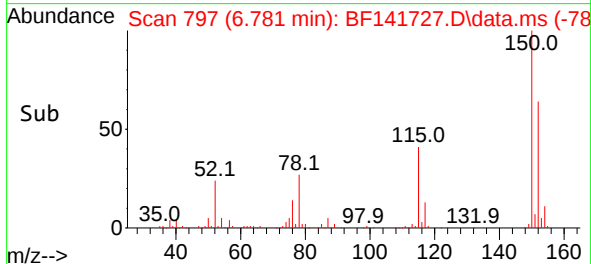
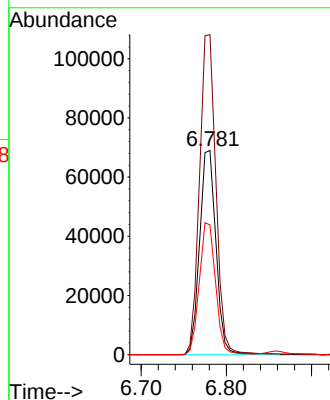
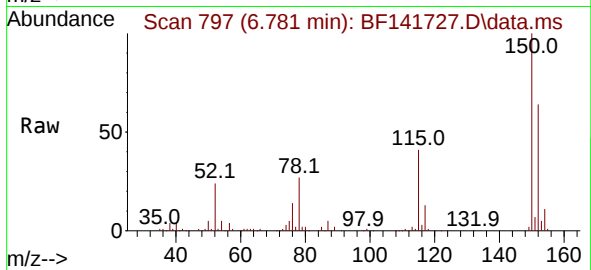




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141727.D
 Acq: 21 Feb 2025 18:44

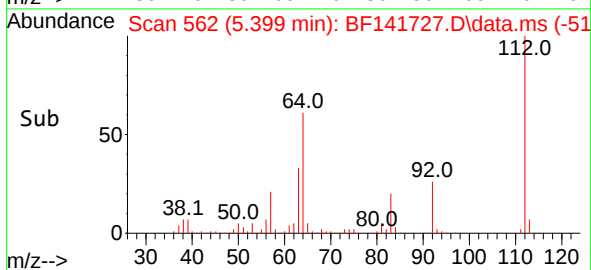
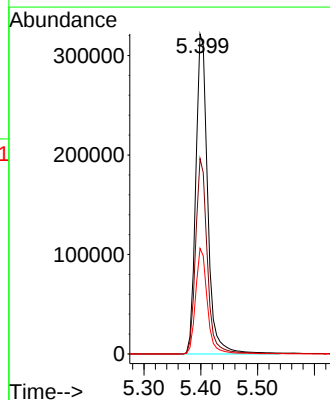
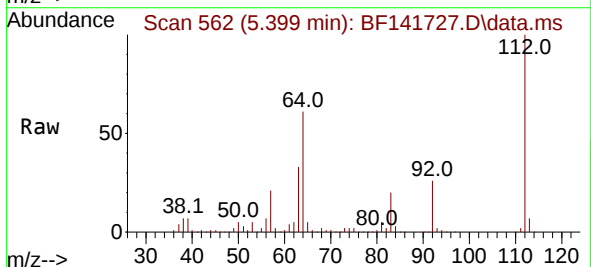
Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

Tgt Ion:152 Resp: 92156
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.0 187.4
 115 63.5 53.6 80.4



#5
 2-Fluorophenol
 Concen: 80.346 ng
 RT: 5.399 min Scan# 562
 Delta R.T. -0.012 min
 Lab File: BF141727.D
 Acq: 21 Feb 2025 18:44

Tgt Ion:112 Resp: 472292
 Ion Ratio Lower Upper
 112 100
 64 61.0 51.1 76.7
 63 33.0 28.4 42.6

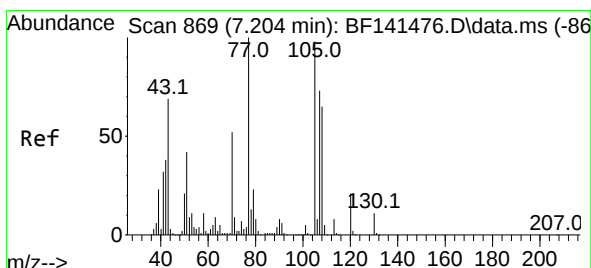
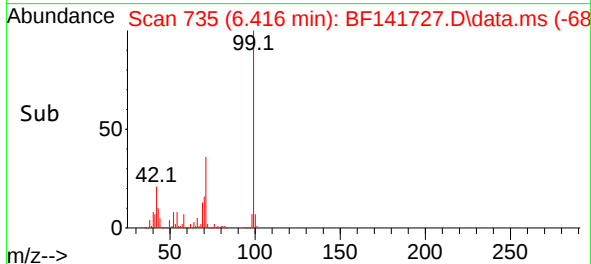
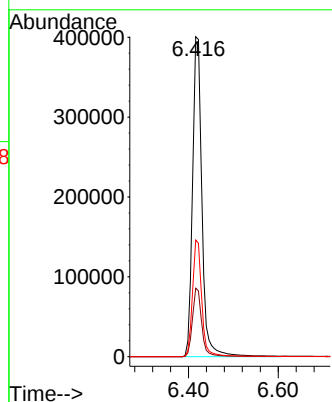
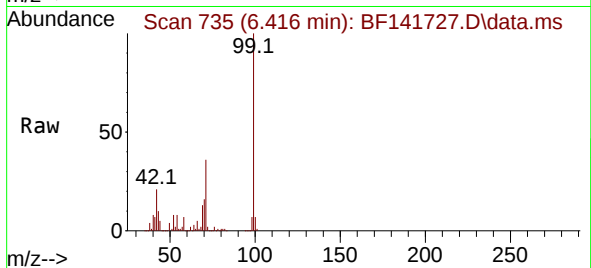




#7
Phenol-d6
Concen: 78.734 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

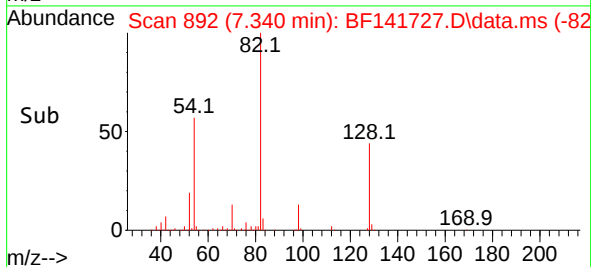
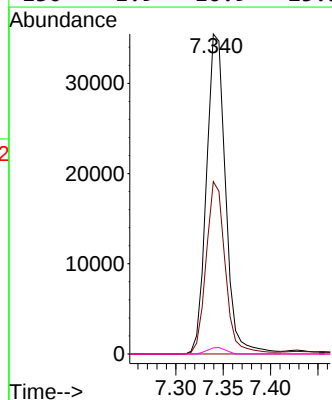
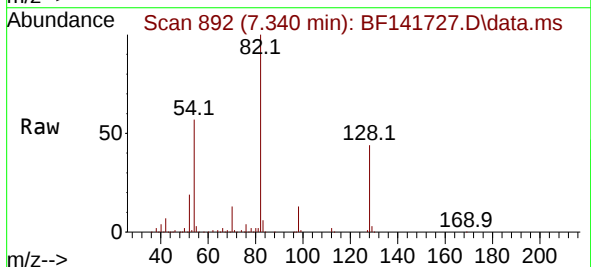
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

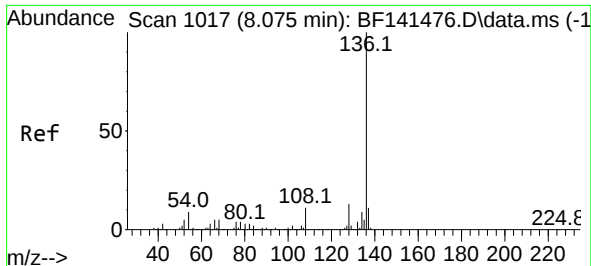
Tgt Ion: 99 Resp: 584967
Ion Ratio Lower Upper
99 100
42 21.4 19.1 28.7
71 36.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.210 ng
RT: 7.340 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

Tgt Ion: 70 Resp: 49818
Ion Ratio Lower Upper
70 100
42 53.8 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#

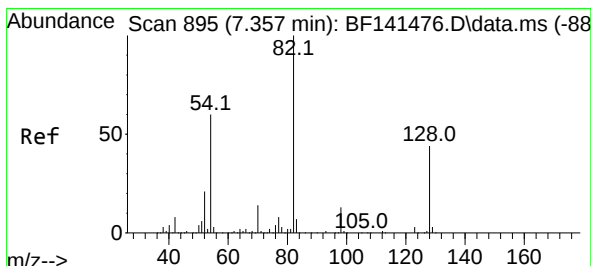
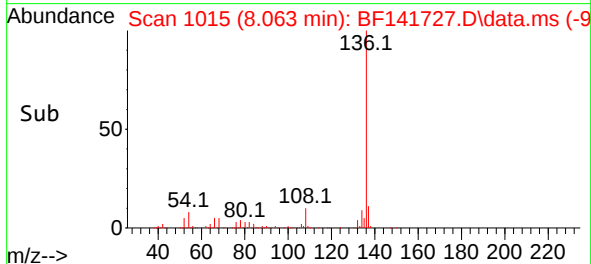
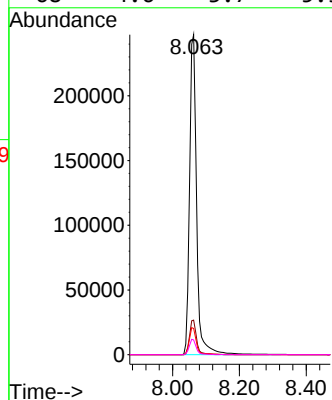
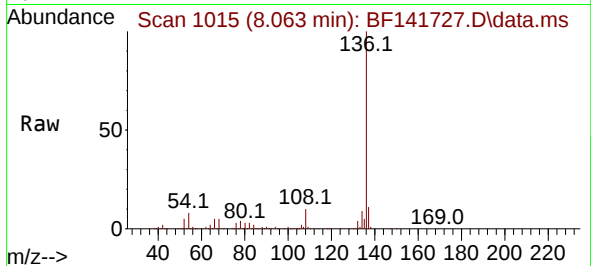




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

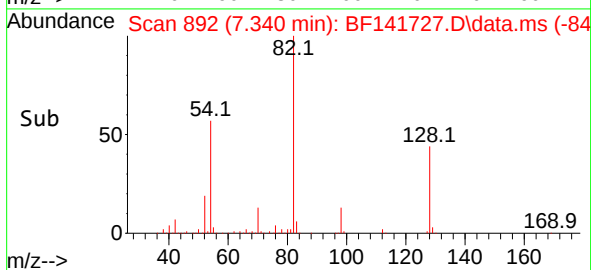
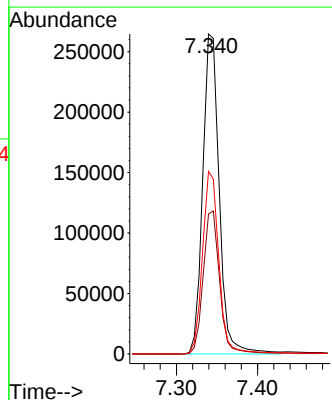
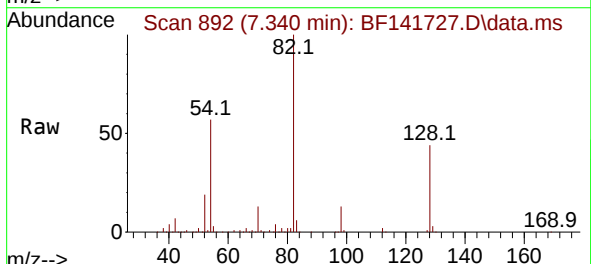
Instrument :
BNA_F
ClientSampleId :
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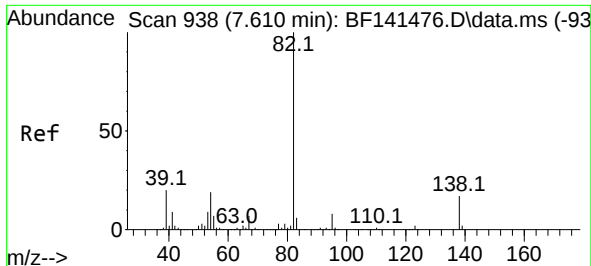
Tgt Ion:136 Resp: 361397
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.2 7.2 10.8
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 54.002 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.023 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

Tgt Ion: 82 Resp: 374169
Ion Ratio Lower Upper
82 100
128 43.7 34.8 52.2
54 57.1 48.2 72.4

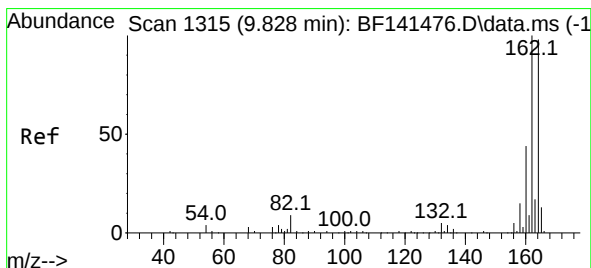
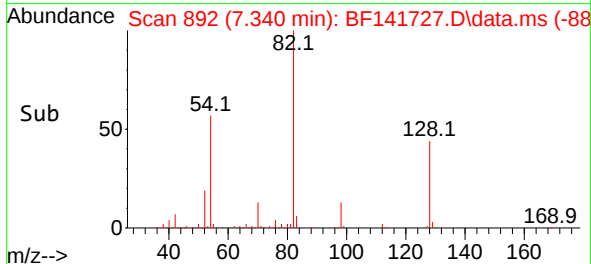
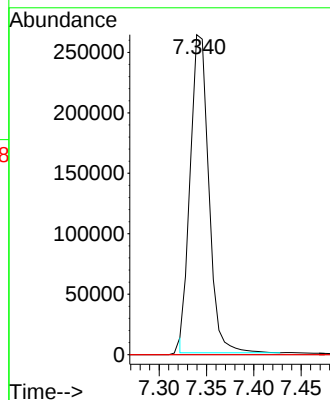
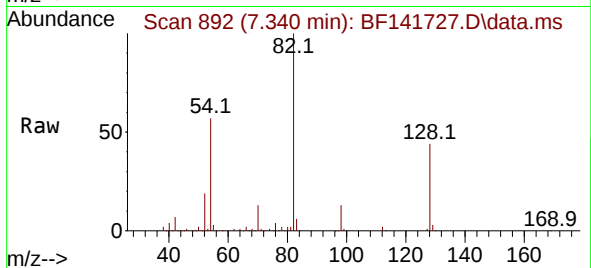




#25
Isophorone
Concen: 32.442 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

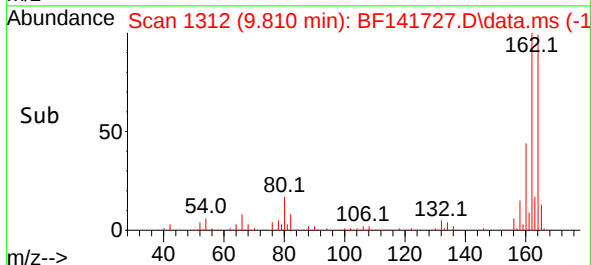
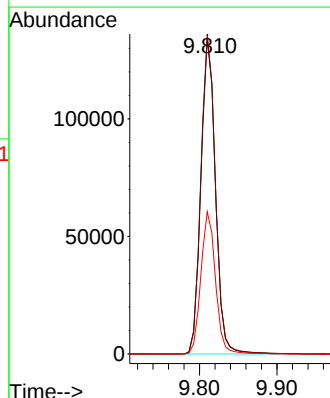
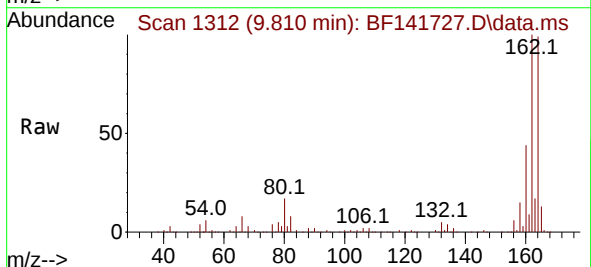
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion: 82 Resp: 358414
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: BF141727.D
Acq: 21 Feb 2025 18:44

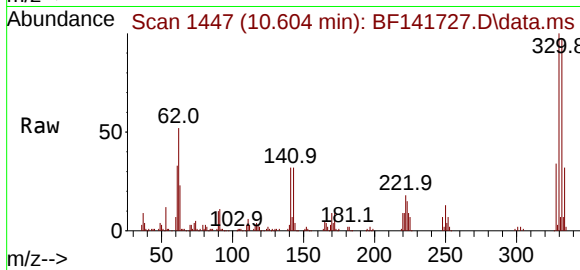
Tgt Ion:164 Resp: 175014
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 45.1 35.9 53.9



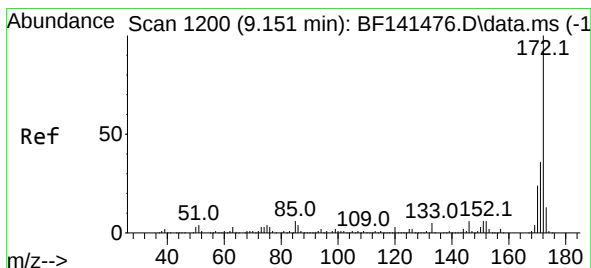
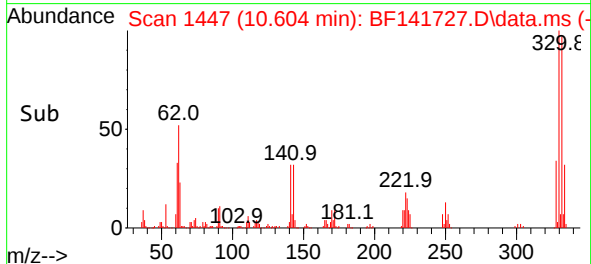
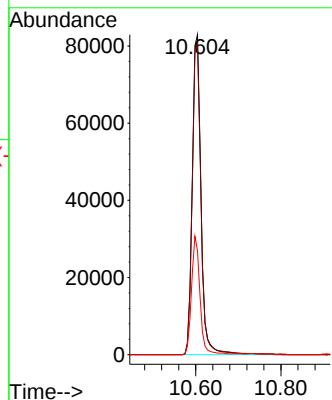


#42
2,4,6-Tribromophenol
Concen: 67.425 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

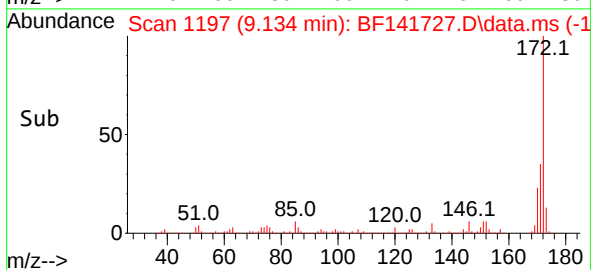
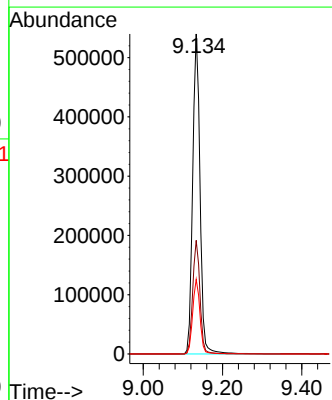
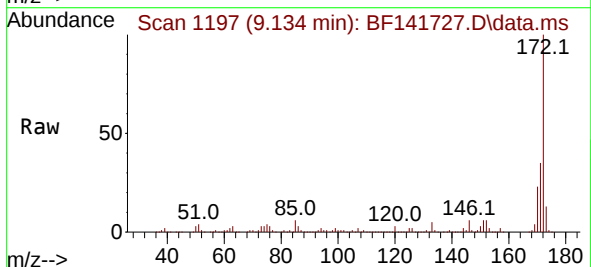


Tgt Ion:330 Resp: 118539
Ion Ratio Lower Upper
330 100
332 96.8 78.5 117.7
141 35.8 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 61.433 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

Tgt Ion:172 Resp: 697861
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.3 18.9 28.3

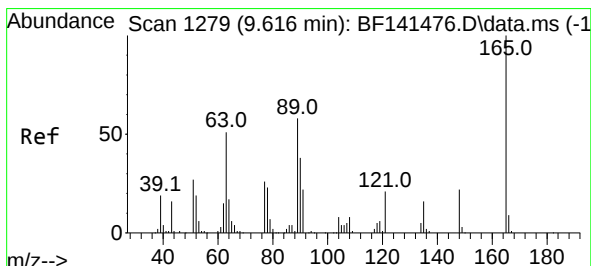
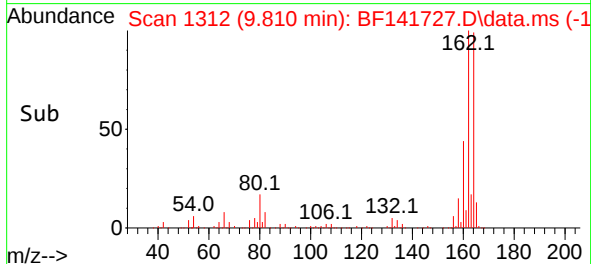
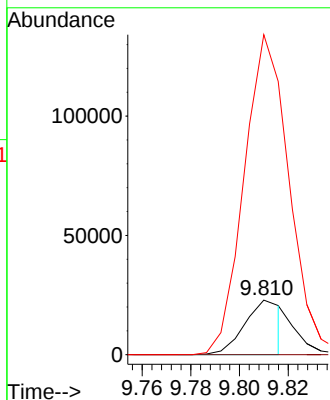
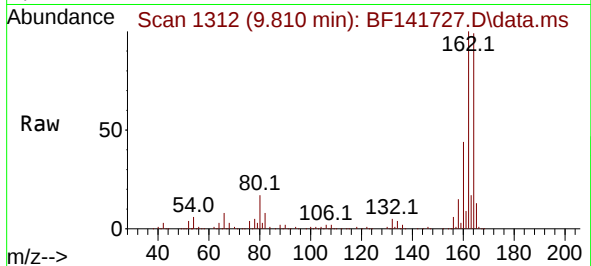




#50
Dimethylphthalate
Concen: 2.021 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.247 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

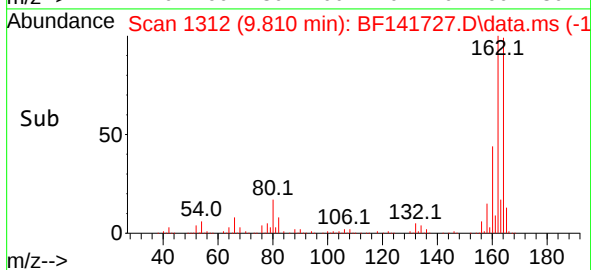
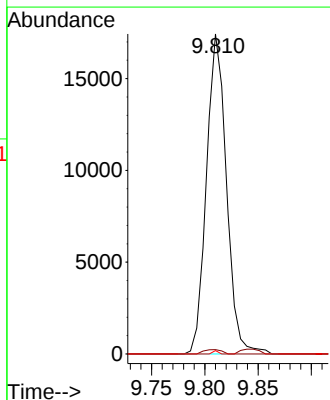
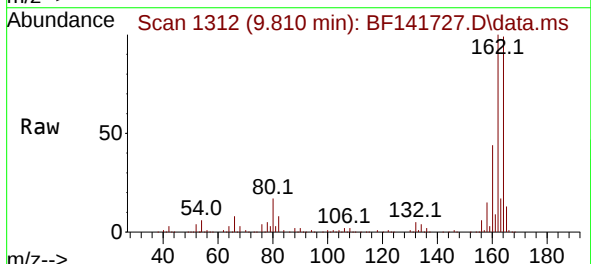
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Tgt Ion:163 Resp: 24007
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 586.1 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.769 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

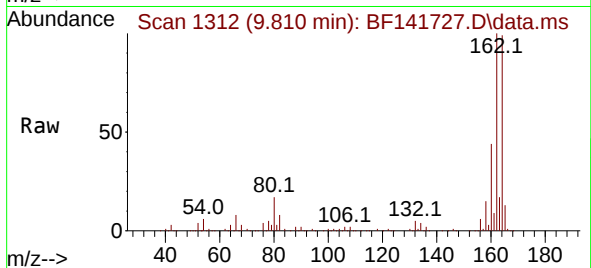
Tgt Ion:165 Resp: 22776
Ion Ratio Lower Upper
165 100
63 1.4 49.4 74.0#
89 1.0 46.5 69.7#



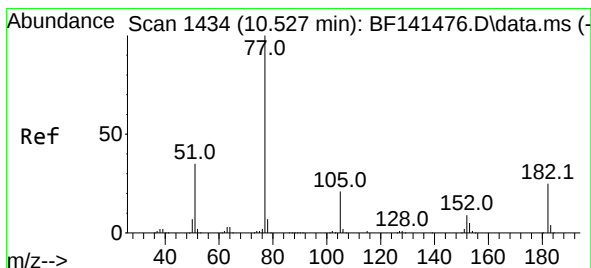
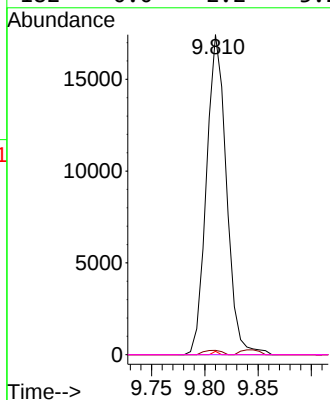
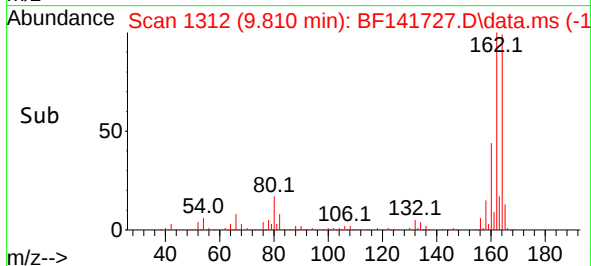


#57
2,4-Dinitrotoluene
Concen: 6.587 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

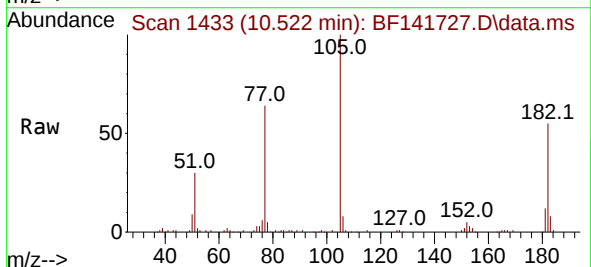
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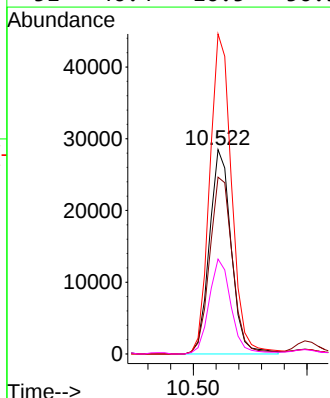
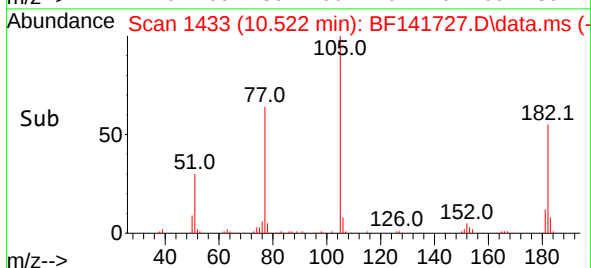
Tgt Ion:165 Resp: 22776
Ion Ratio Lower Upper
165 100
63 1.4 46.4 69.6#
89 1.0 61.8 92.6#
182 0.0 2.2 3.2#

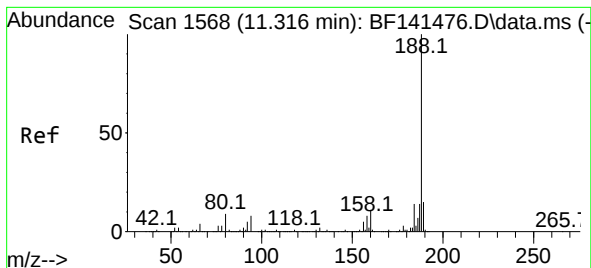


#63
Azobenzene
Concen: 3.274 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44



Tgt Ion: 77 Resp: 38045
Ion Ratio Lower Upper
77 100
182 86.5 4.7 44.7#
105 156.6 0.4 40.4#
51 46.4 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

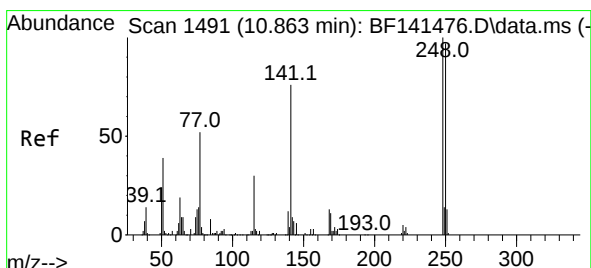
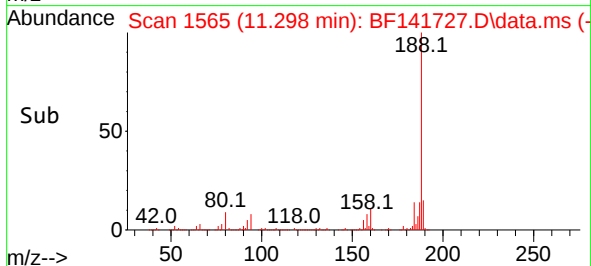
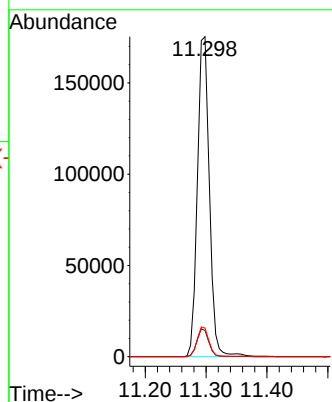
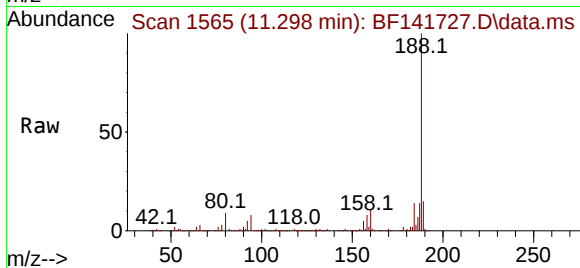
Tgt Ion:188 Resp: 239678

Ion Ratio Lower Upper

188 100

94 8.2 6.6 10.0

80 8.9 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.063 ng

RT: 10.598 min Scan# 1446

Delta R.T. -0.264 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

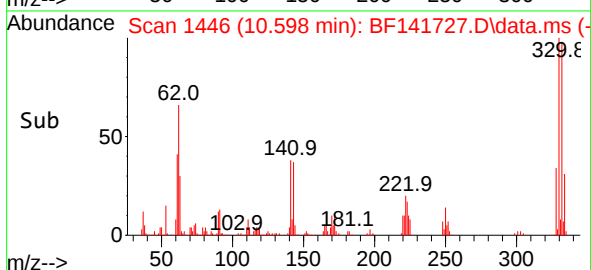
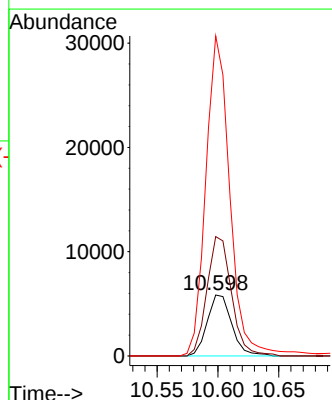
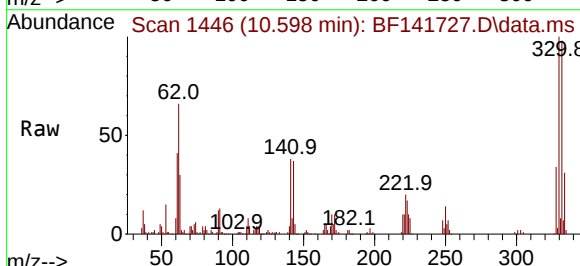
Tgt Ion:248 Resp: 8205

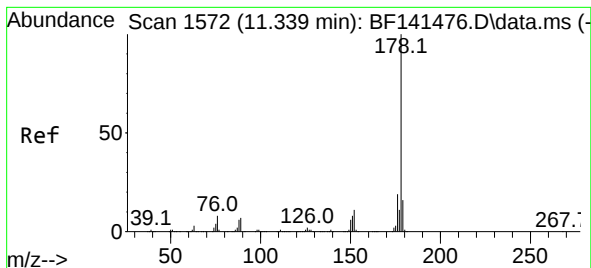
Ion Ratio Lower Upper

248 100

250 195.7 77.8 116.6#

141 524.9 60.6 90.8#





#71

Phenanthrene

Concen: 10.762 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

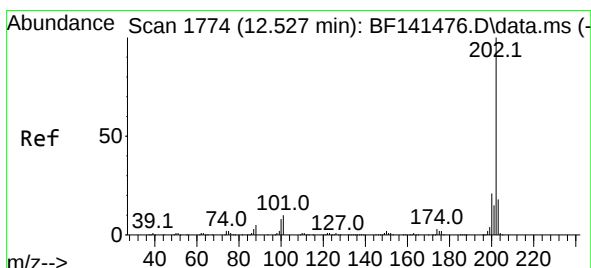
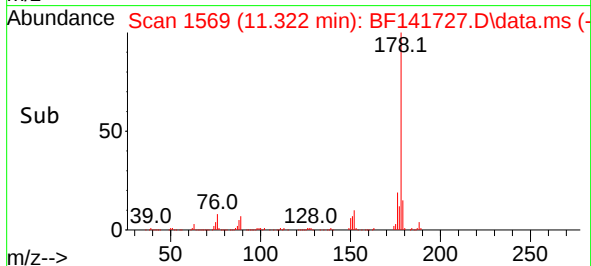
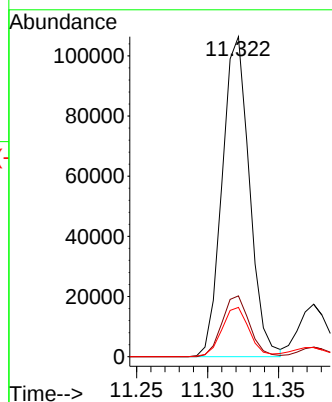
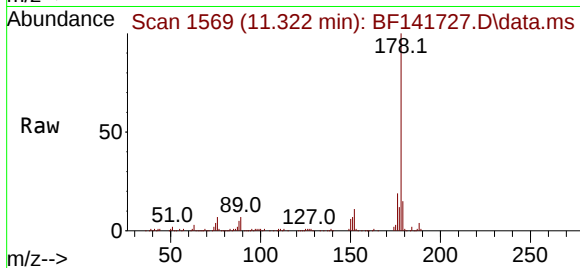
Tgt Ion:178 Resp: 141990

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.4 12.4 18.6



#75

Fluoranthene

Concen: 23.835 ng

RT: 12.510 min Scan# 1771

Delta R.T. -0.023 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

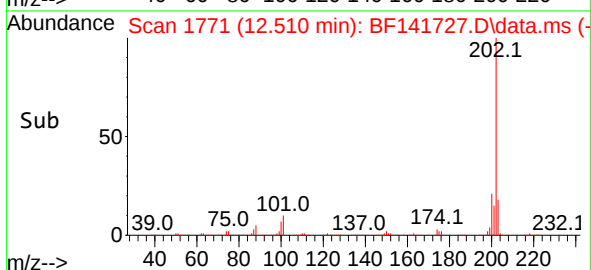
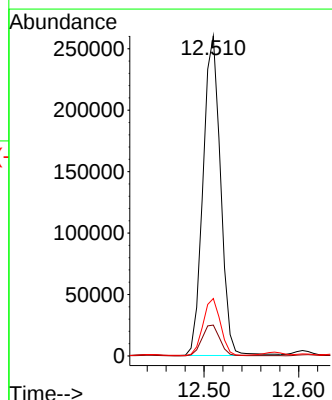
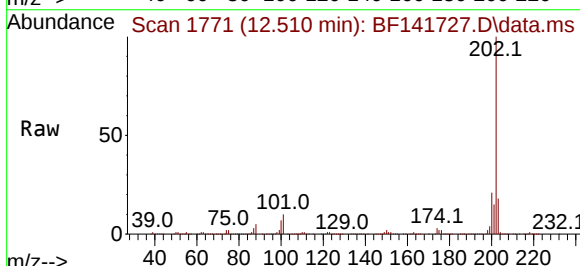
Tgt Ion:202 Resp: 333383

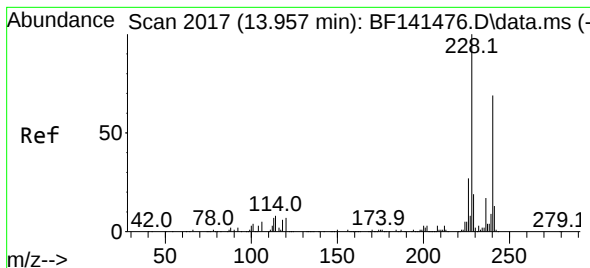
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.2

203 18.0 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: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

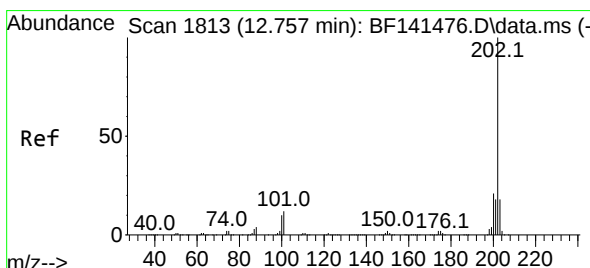
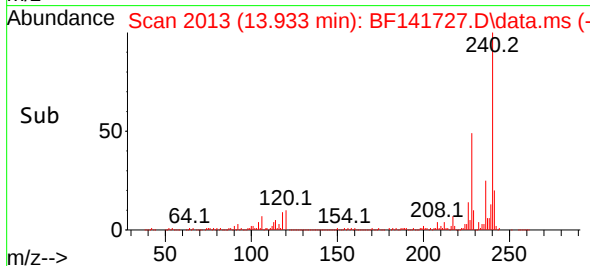
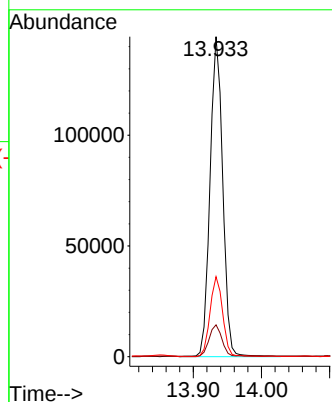
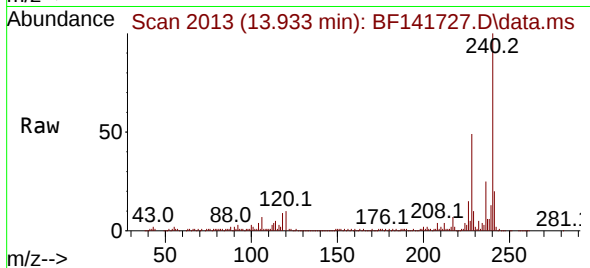
Tgt Ion:240 Resp: 187436

Ion Ratio Lower Upper

240 100

120 10.0 8.0 12.0

236 25.0 19.8 29.8



#78

Pyrene

Concen: 19.731 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

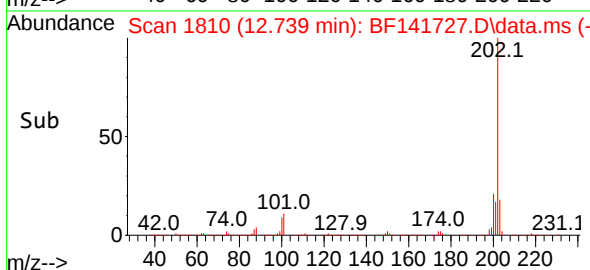
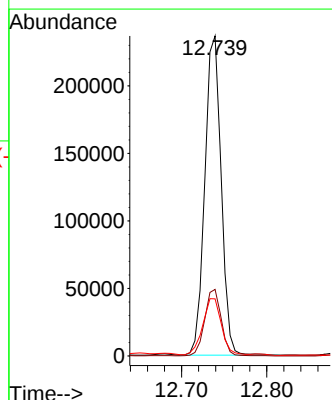
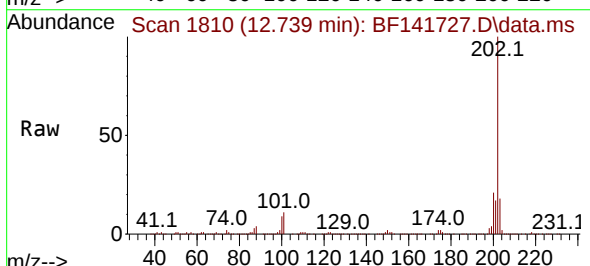
Tgt Ion:202 Resp: 314830

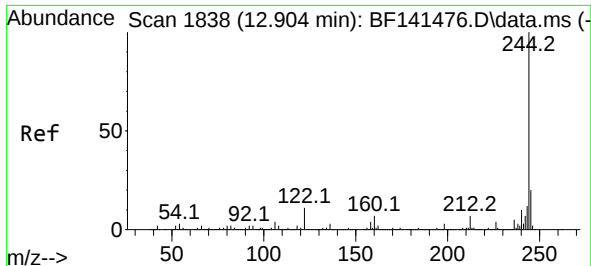
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 17.9 14.3 21.5

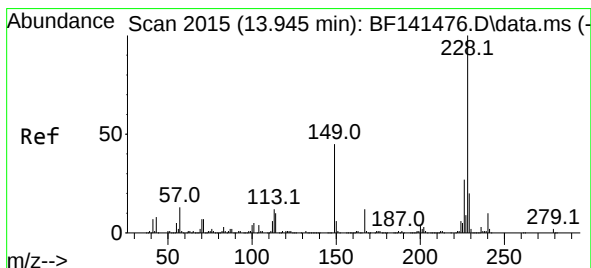
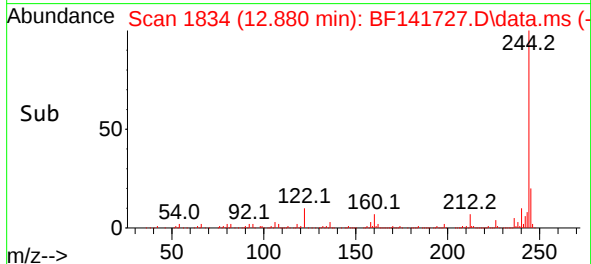
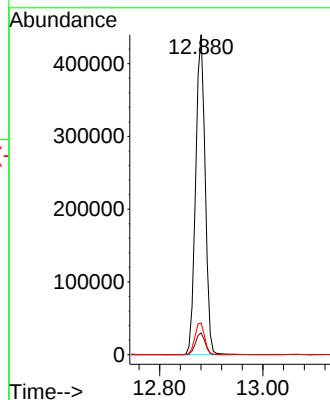
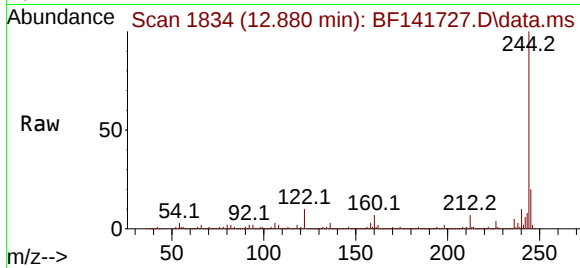




#79
 Terphenyl-d14
 Concen: 50.485 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141727.D
 Acq: 21 Feb 2025 18:44

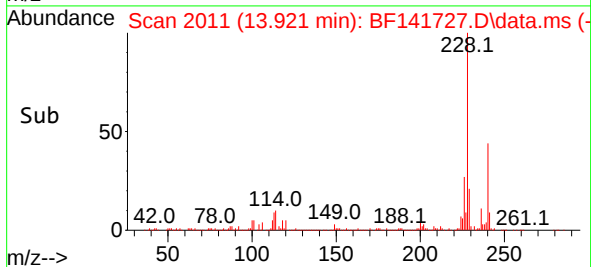
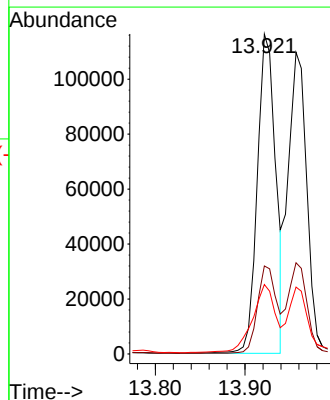
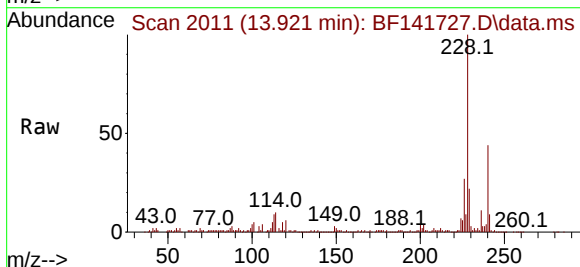
Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

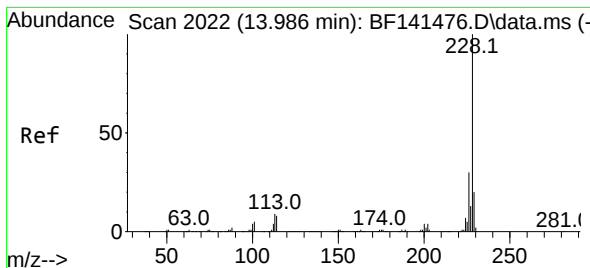
Tgt Ion:244 Resp: 560534
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.9 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 13.298 ng
 RT: 13.921 min Scan# 2011
 Delta R.T. -0.029 min
 Lab File: BF141727.D
 Acq: 21 Feb 2025 18:44

Tgt Ion:228 Resp: 165685
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.8 32.8
 229 21.7 15.8 23.6





#83

Chrysene

Concen: 13.556 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

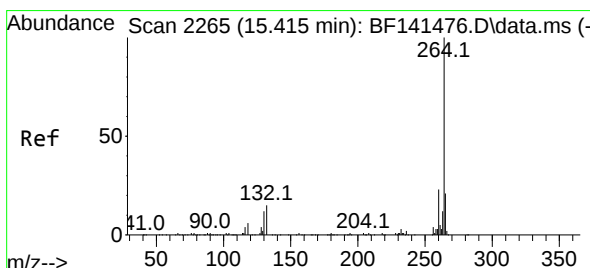
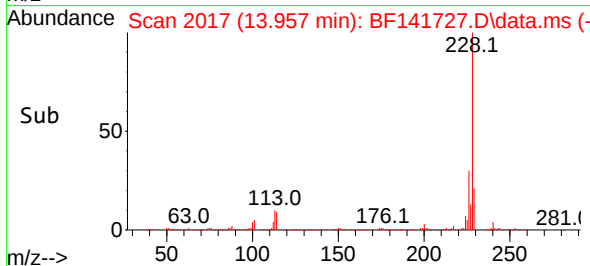
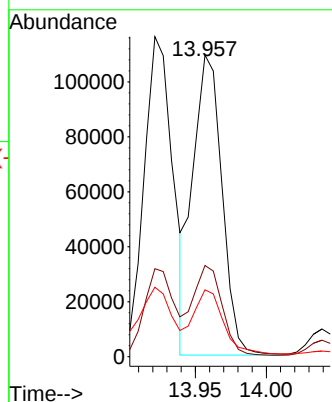
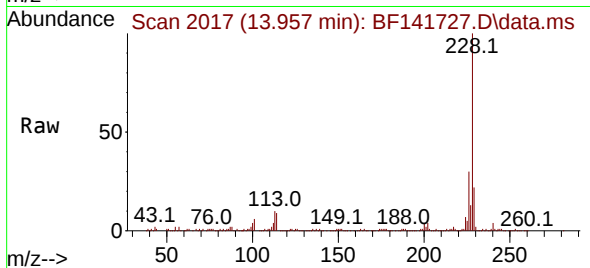
Tgt Ion:228 Resp: 155960

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 22.2 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: BF141727.D

Acq: 21 Feb 2025 18:44

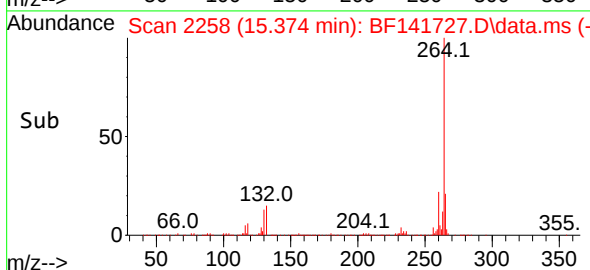
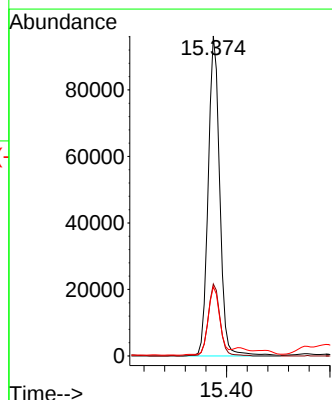
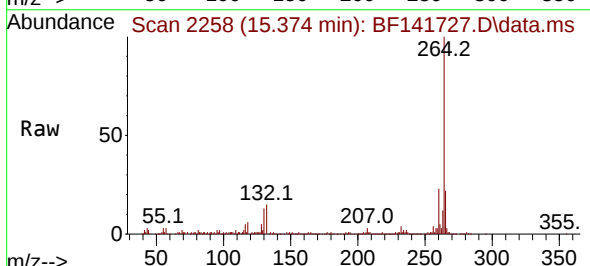
Tgt Ion:264 Resp: 149388

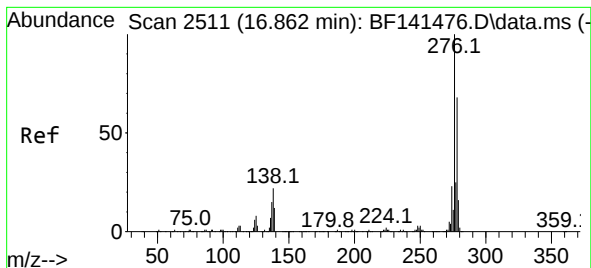
Ion Ratio Lower Upper

264 100

260 22.5 18.6 28.0

265 21.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.149 ng

RT: 16.804 min Scan# 21

Delta R.T. -0.070 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

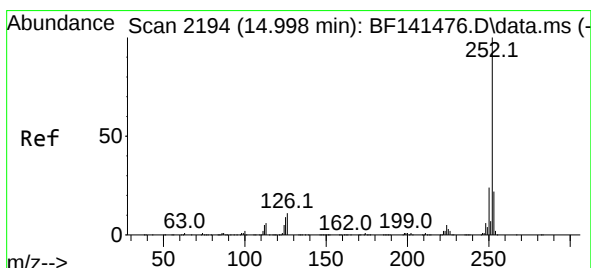
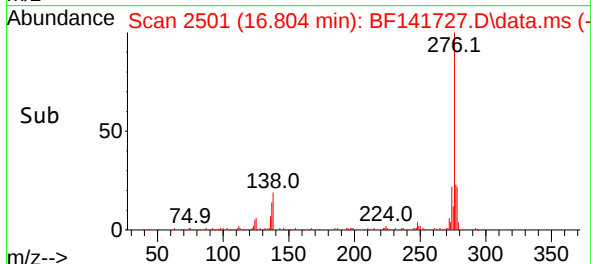
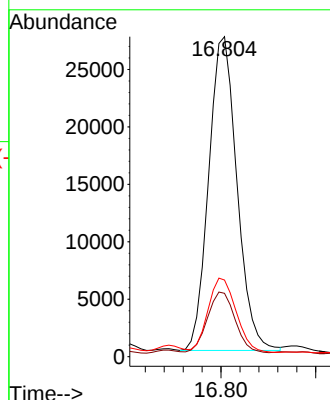
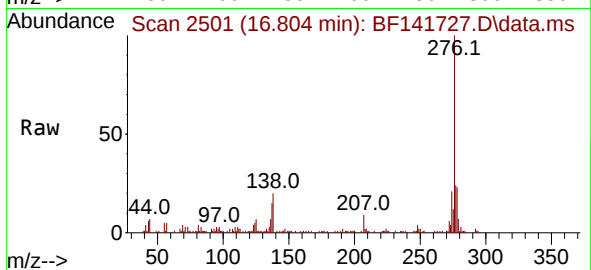
Tgt Ion:276 Resp: 56761

Ion Ratio Lower Upper

276 100

138 19.1 18.0 27.0

277 23.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 23.468 ng

RT: 14.963 min Scan# 2188

Delta R.T. -0.041 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

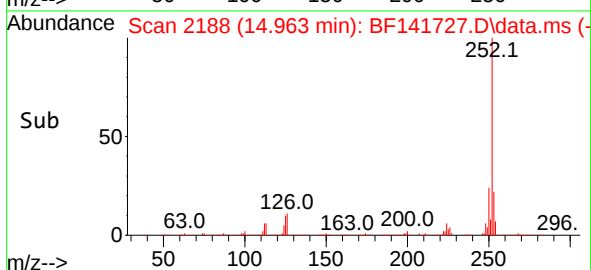
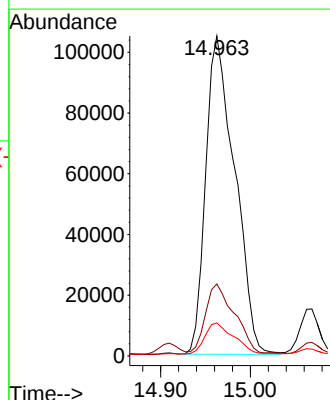
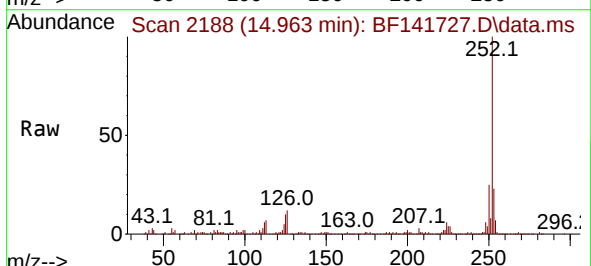
Tgt Ion:252 Resp: 235400

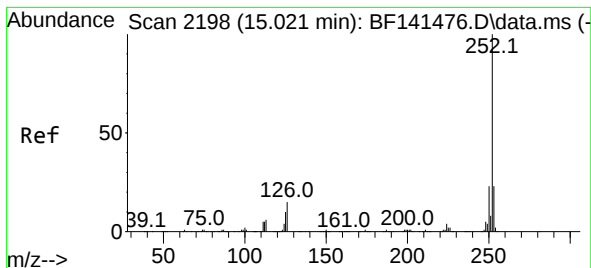
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.3 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 27.483 ng

RT: 14.963 min Scan# 21

Delta R.T. -0.070 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

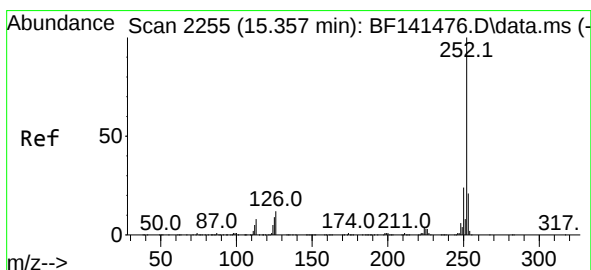
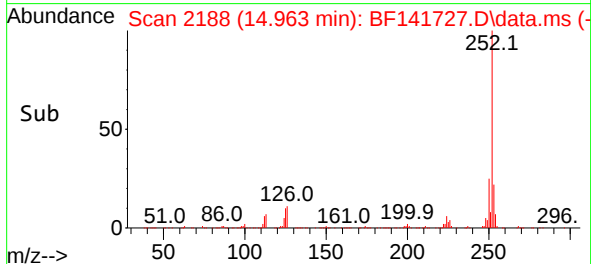
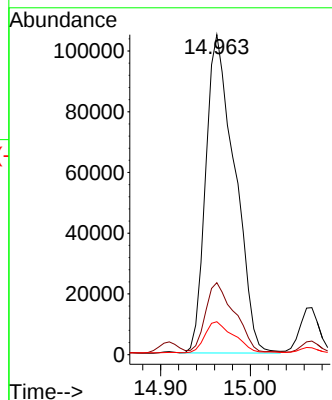
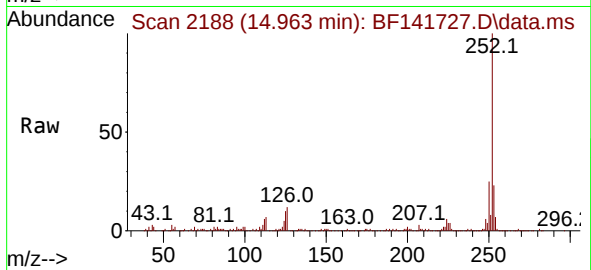
Tgt Ion:252 Resp: 235400

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 10.3 7.4 11.0



#90

Benzo(a)pyrene

Concen: 13.883 ng

RT: 15.316 min Scan# 2248

Delta R.T. -0.047 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

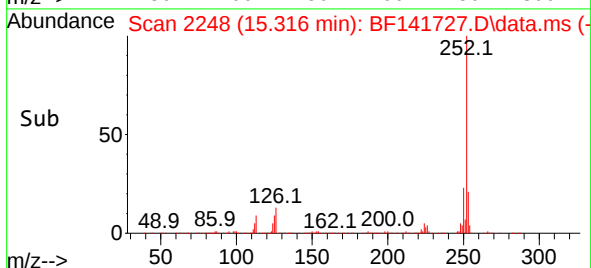
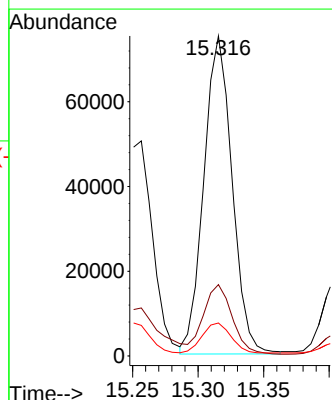
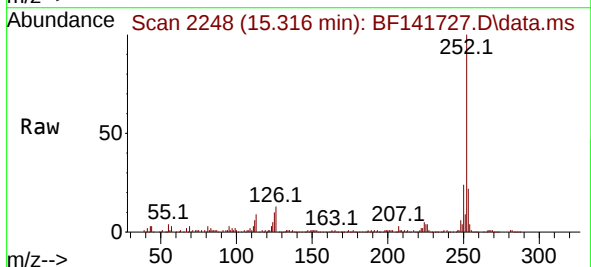
Tgt Ion:252 Resp: 112679

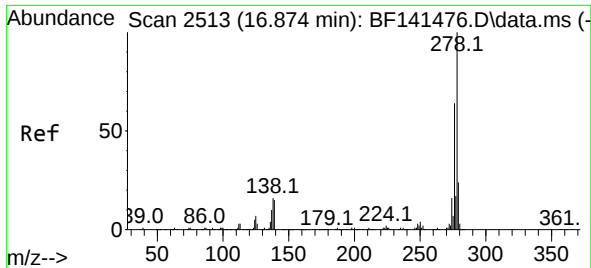
Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 10.3 7.4 11.2

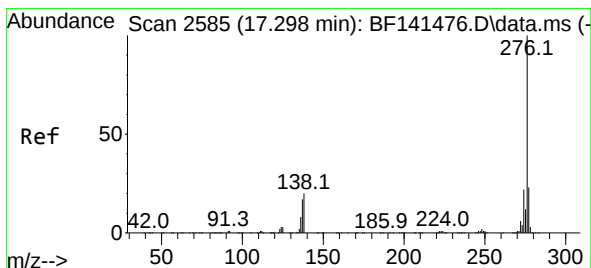
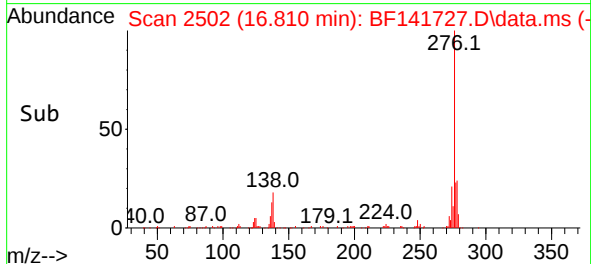
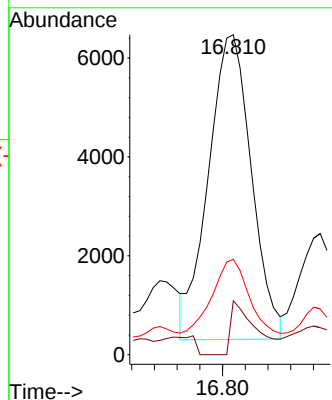
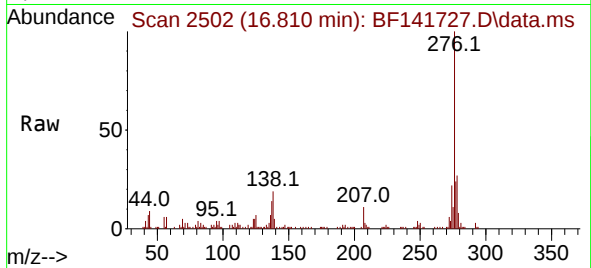




#91
Dibenzo(a,h)anthracene
Concen: 2.171 ng
RT: 16.810 min Scan# 2502
Delta R.T. -0.082 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:278 Resp: 16236
Ion Ratio Lower Upper
278 100
139 16.9 11.8 17.6
279 29.8 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 6.912 ng
RT: 17.233 min Scan# 2574
Delta R.T. -0.082 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

Tgt Ion:276 Resp: 54097
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 19.8 15.9 23.9

