

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)

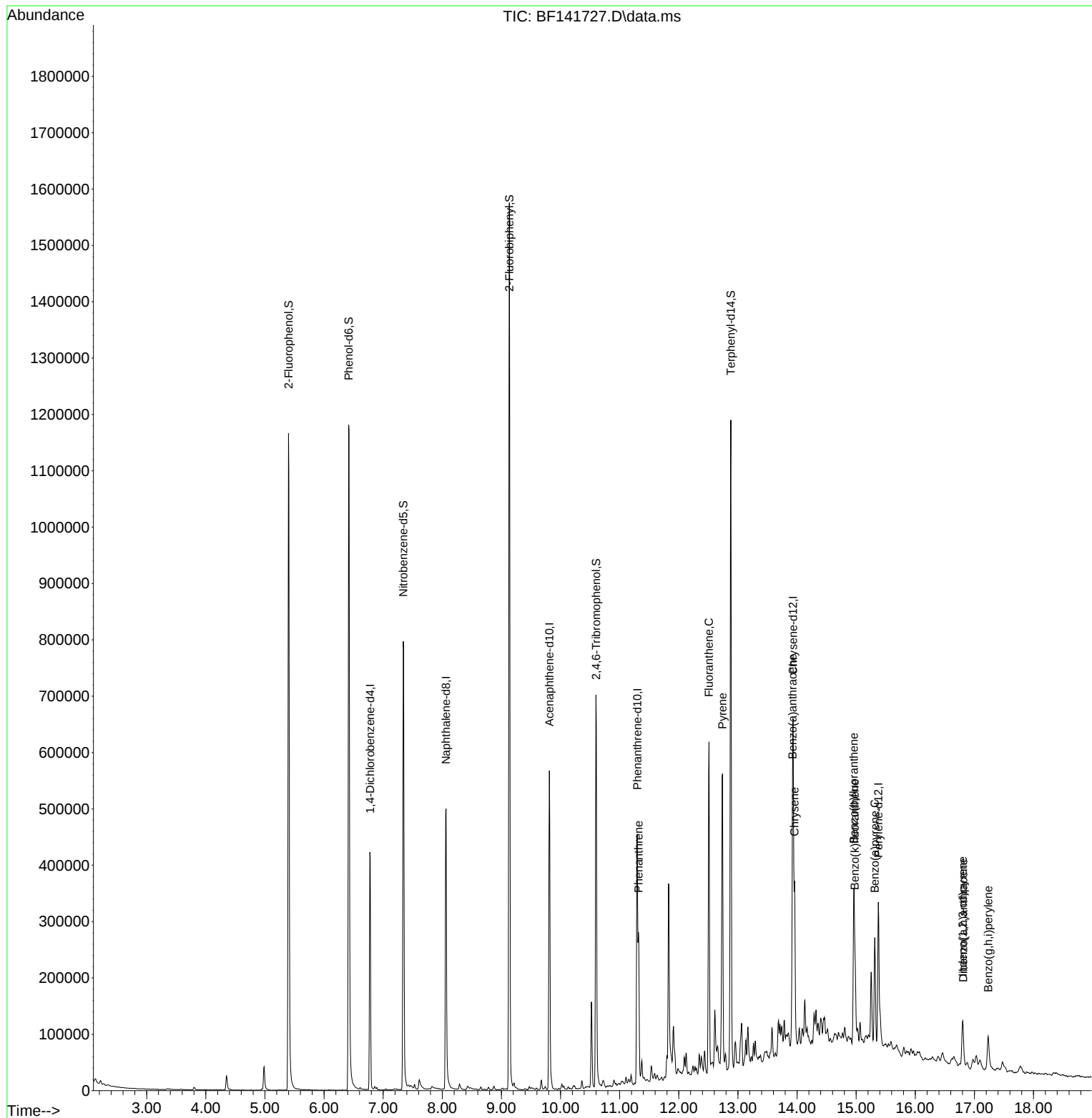
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	92156	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	361397	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	175014	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	239678	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	187436	20.000	ng	-0.03
86) Perylene-d12	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
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	167369m	16.686	ng	
89) Benzo(k)fluoranthene	14.974	252	69815m	8.151	ng	
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

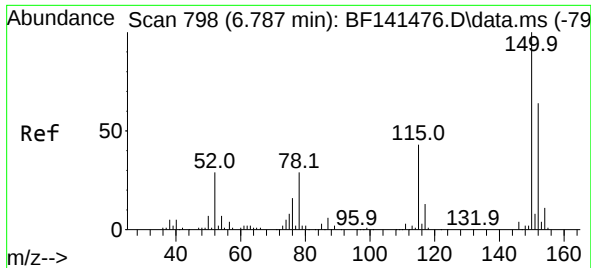
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
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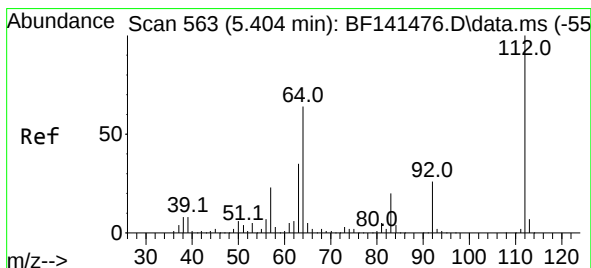
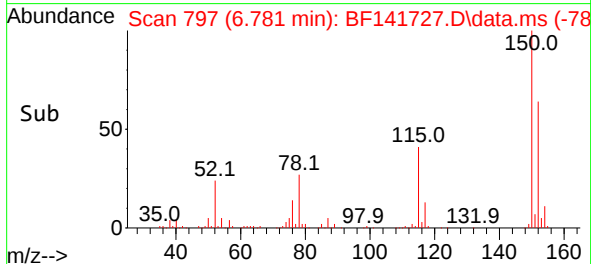
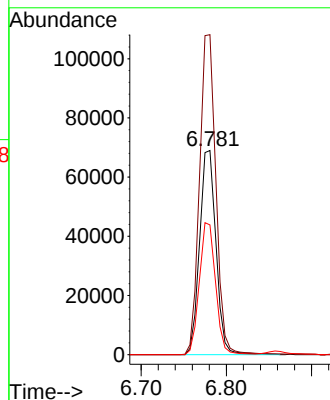
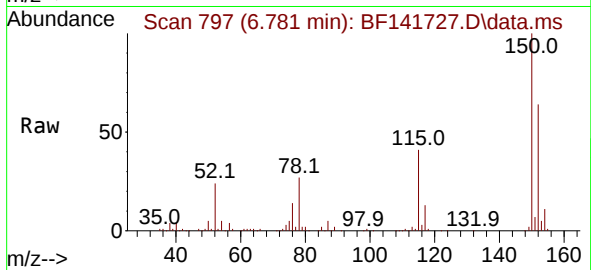




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

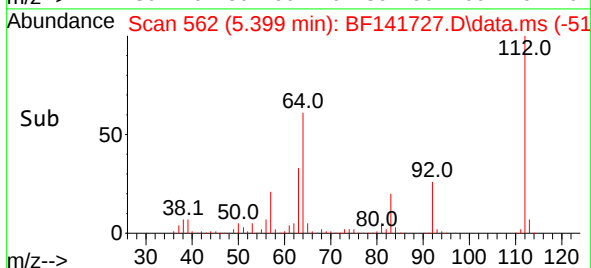
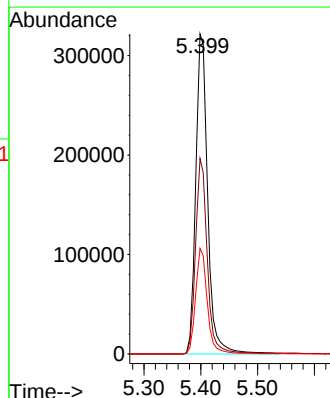
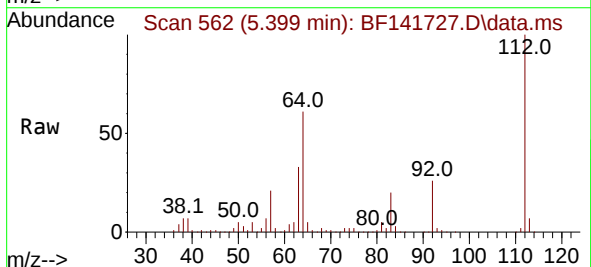
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

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

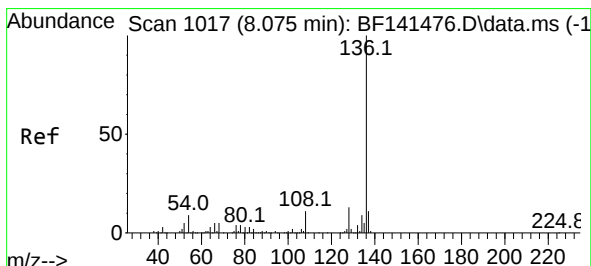
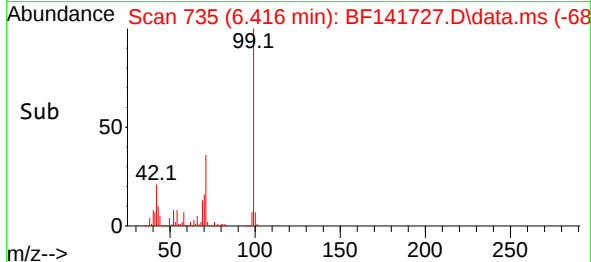
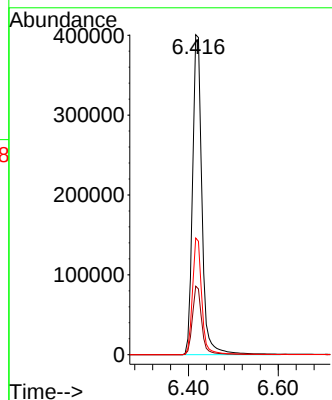
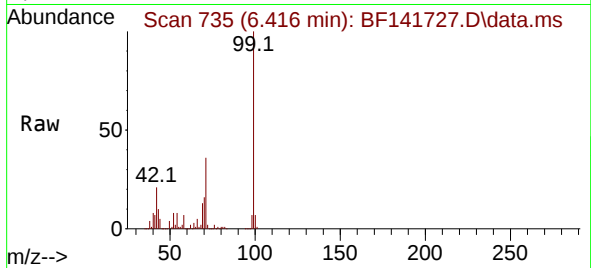




#7
Phenol-d6
Concen: 78.734 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

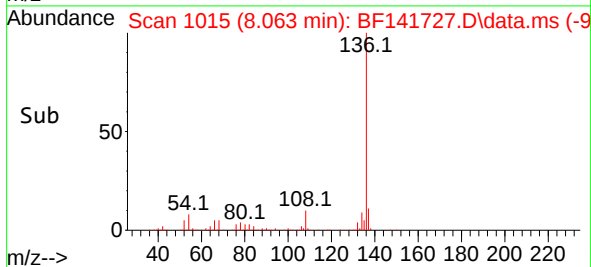
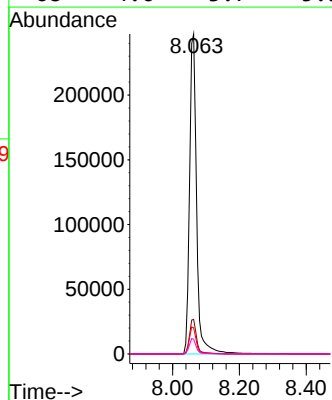
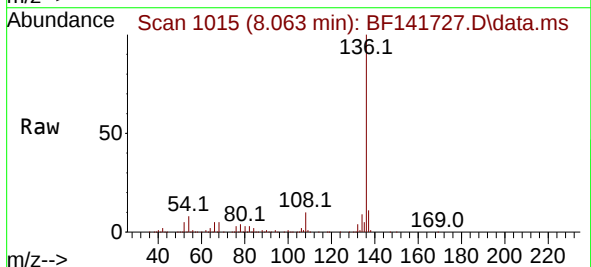
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

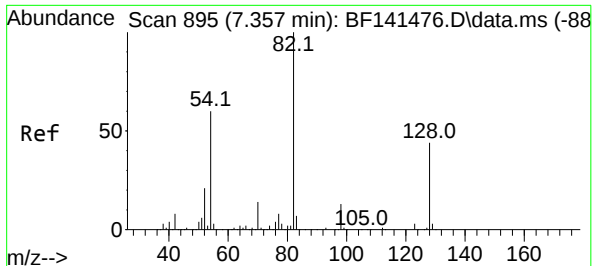
Tgt Ion: 99 Resp: 584967
Ion Ratio Lower Upper
99 100
42 21.4 19.1 28.7
71 36.4 31.1 46.7



#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

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# 895

Delta R.T. -0.023 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

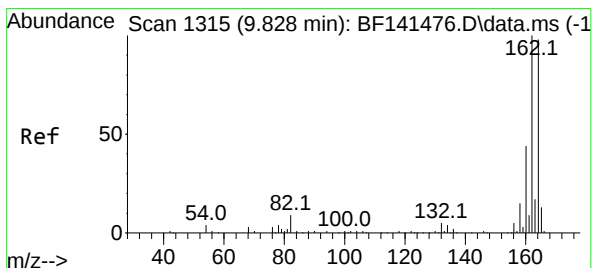
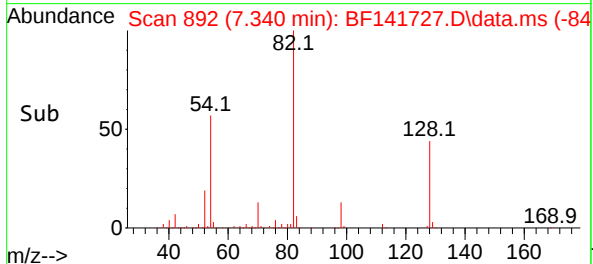
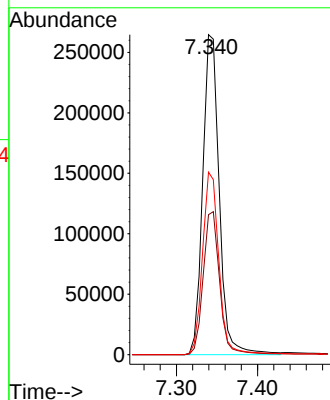
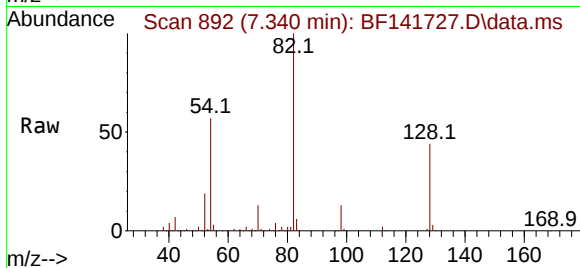
Tgt Ion: 82 Resp: 374169

Ion Ratio Lower Upper

82 100

128 43.7 34.8 52.2

54 57.1 48.2 72.4



#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

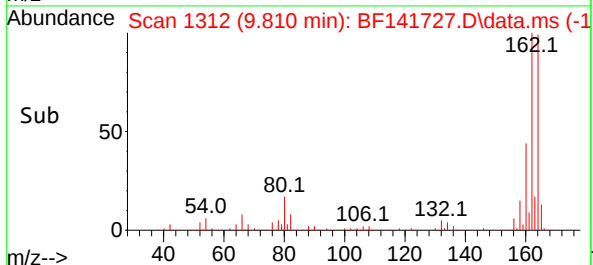
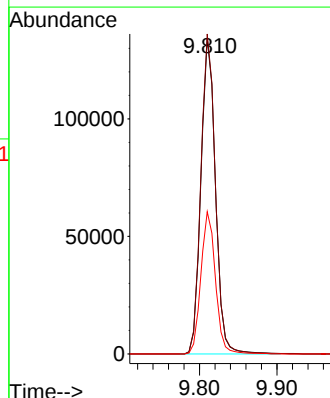
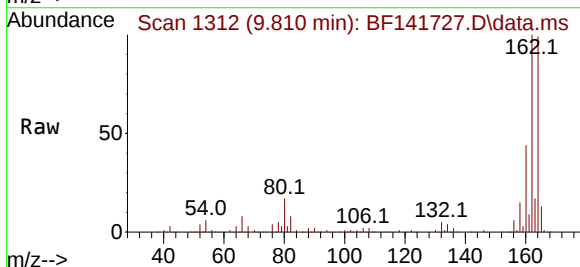
Tgt Ion:164 Resp: 175014

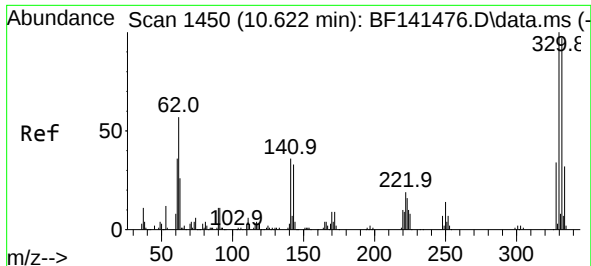
Ion Ratio Lower Upper

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

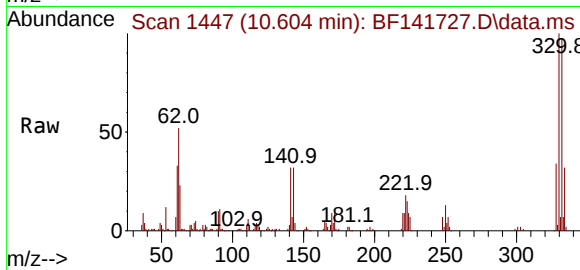
Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE



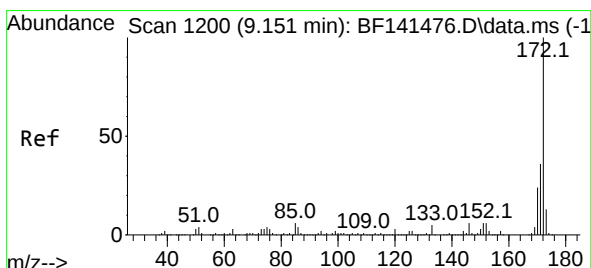
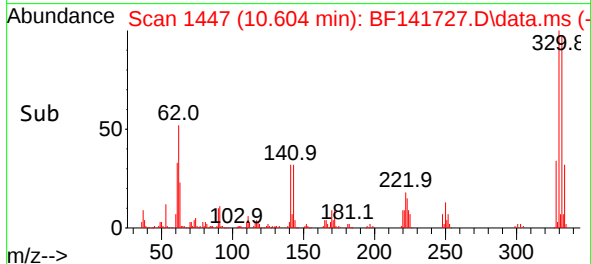
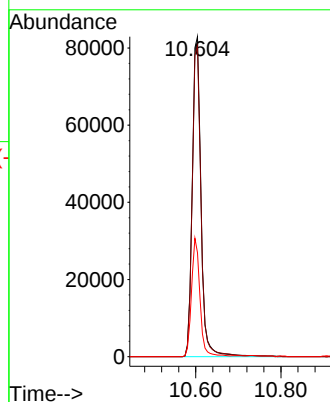
Tgt Ion:330 Resp: 118539

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

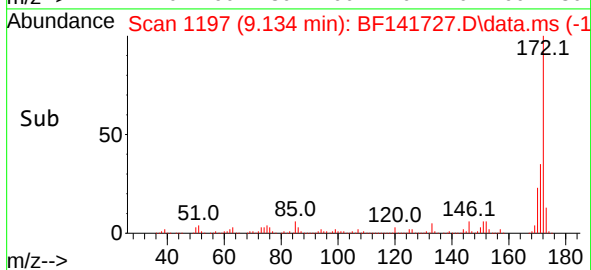
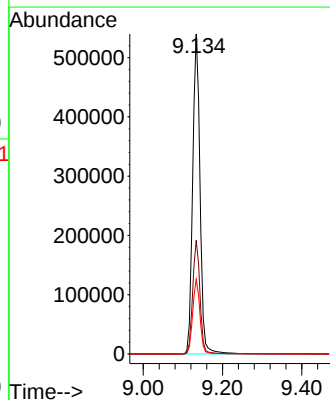
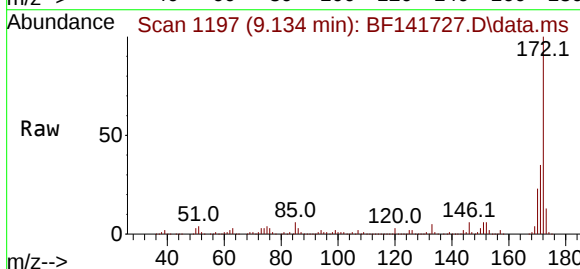
Tgt Ion:172 Resp: 697861

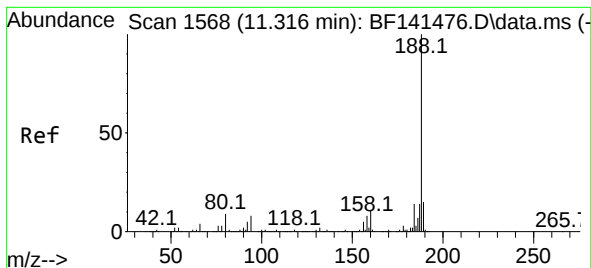
Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.3 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.017 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

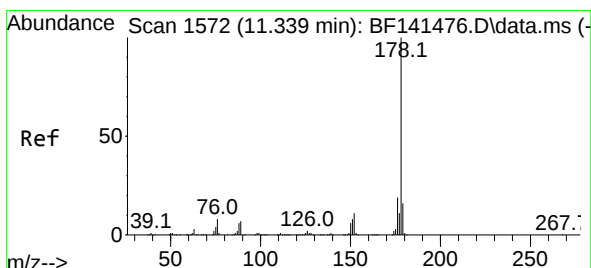
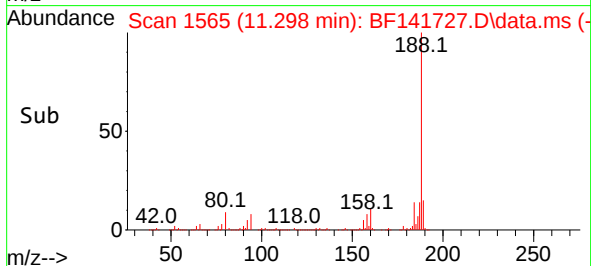
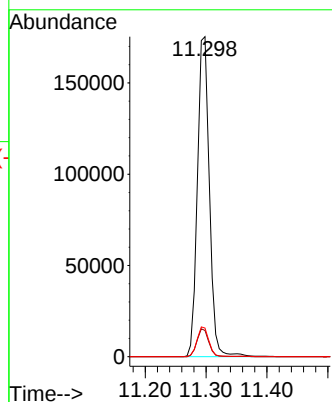
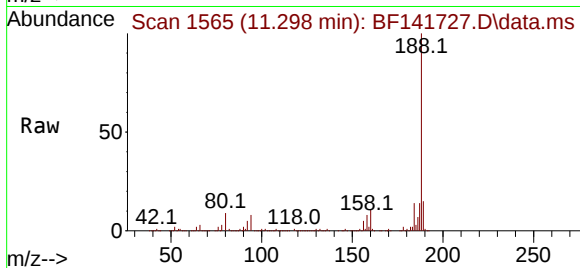
Tgt Ion:188 Resp: 239678

Ion Ratio Lower Upper

188 100

94 8.2 6.6 10.0

80 8.9 7.3 10.9



#71

Phenanthrene

Concen: 10.762 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.023 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

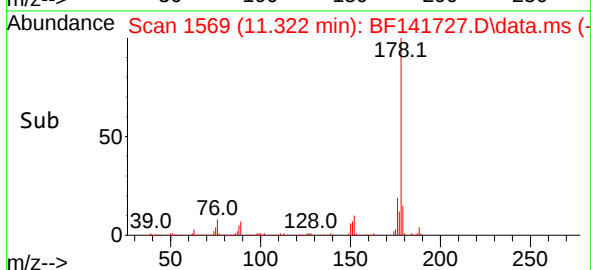
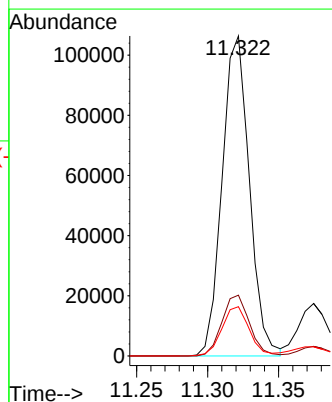
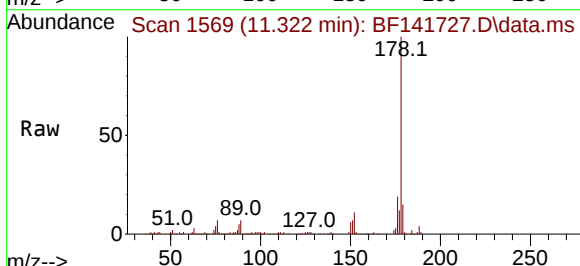
Tgt Ion:178 Resp: 141990

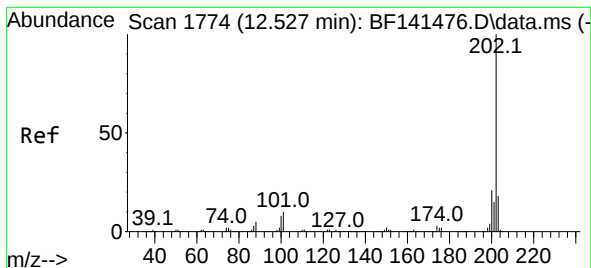
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.023 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

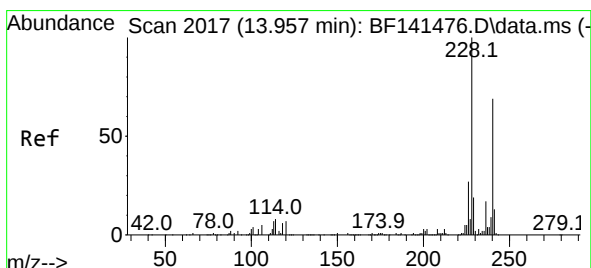
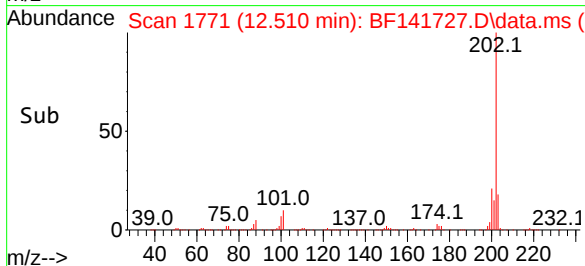
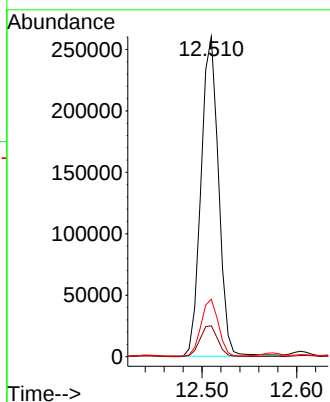
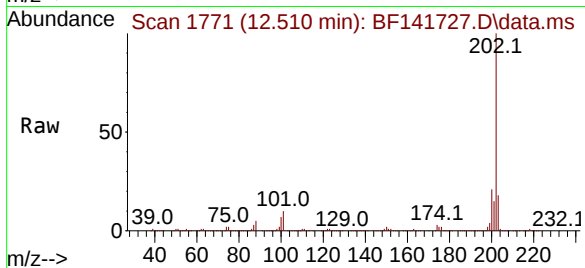
Tgt Ion:202 Resp: 333383

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# 2013

Delta R.T. -0.029 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

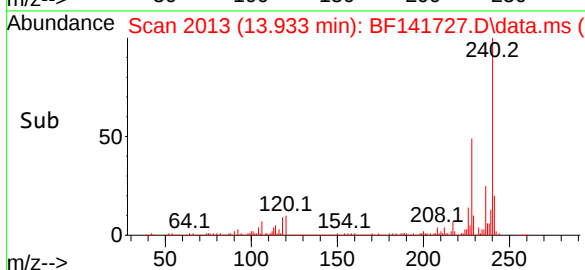
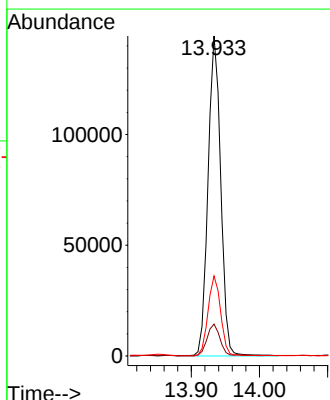
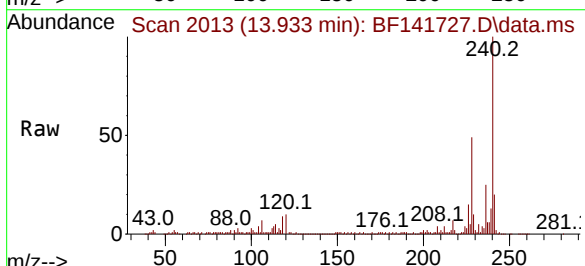
Tgt Ion:240 Resp: 187436

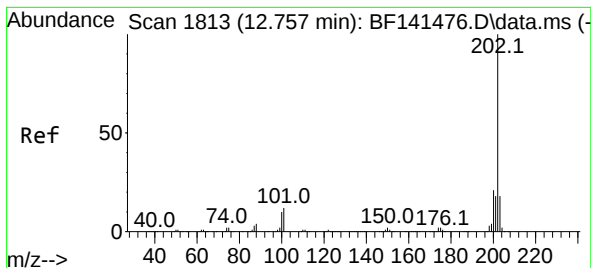
Ion Ratio Lower Upper

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

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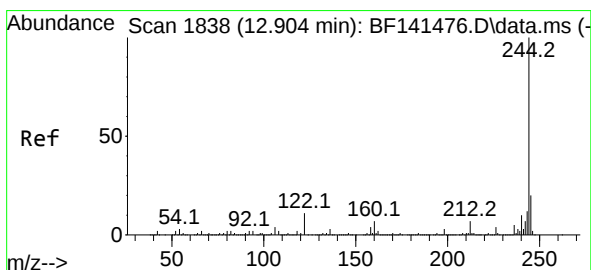
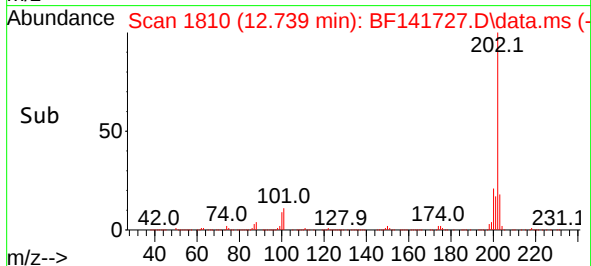
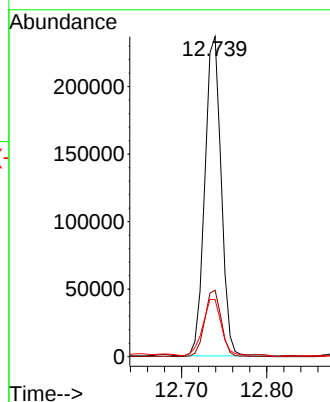
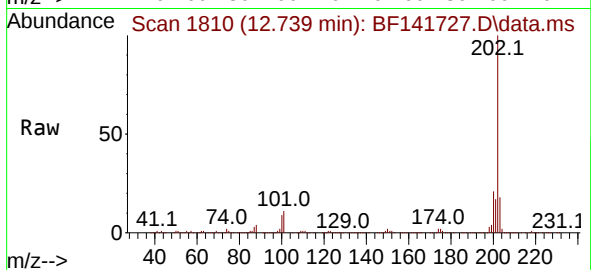
Tgt Ion:202 Resp: 314830

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# 1834

Delta R.T. -0.023 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

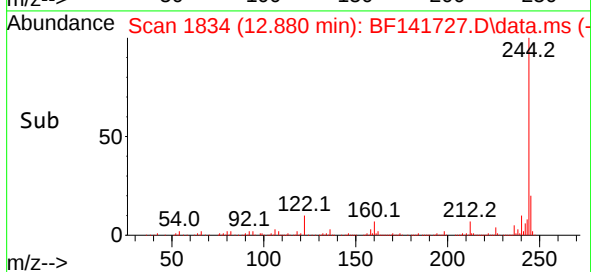
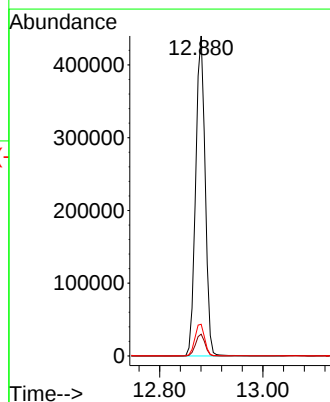
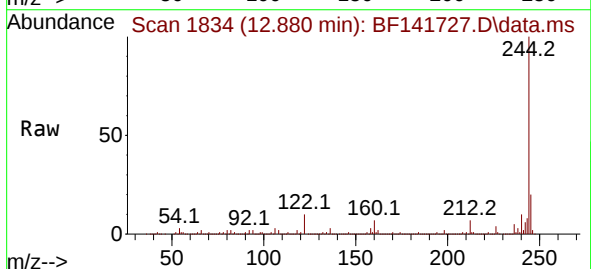
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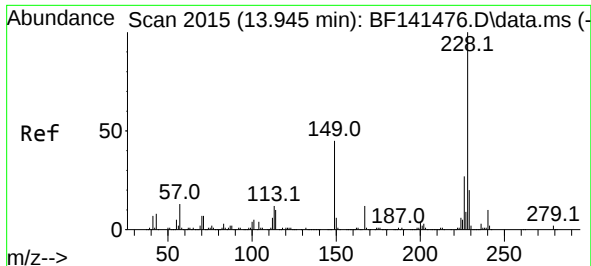
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.9 8.4 12.6

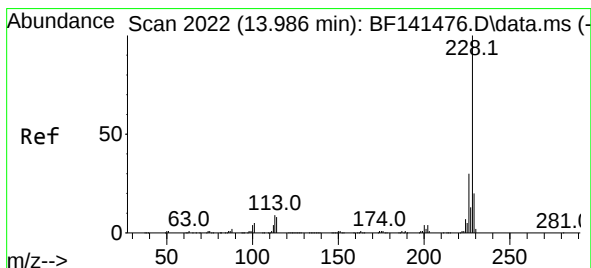
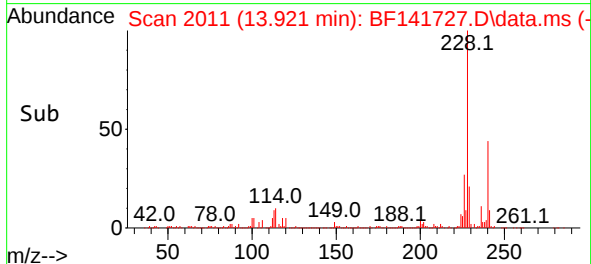
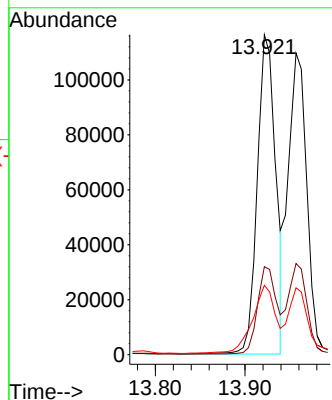
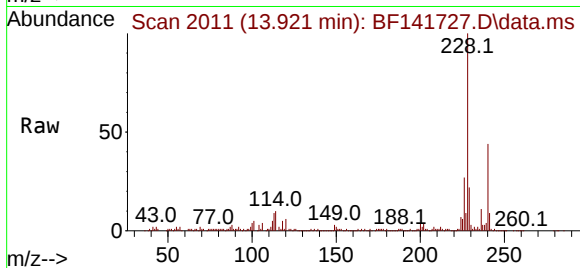




#81
Benzo(a)anthracene
Concen: 13.298 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.029 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

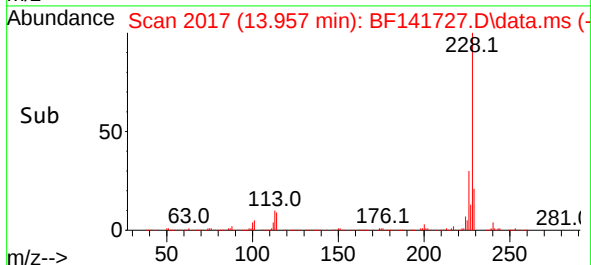
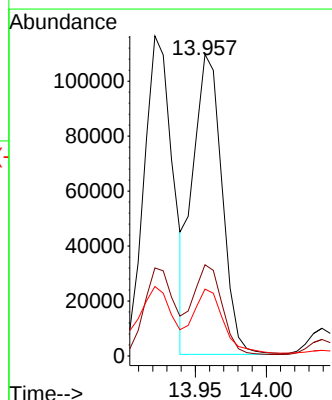
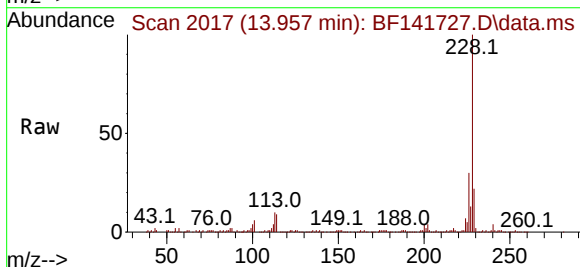
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

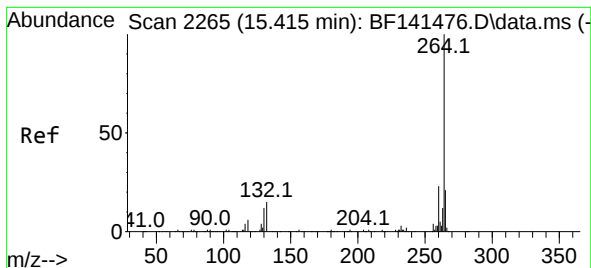
Tgt Ion:228 Resp: 165685
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 21.7 15.8 23.6



#83
Chrysene
Concen: 13.556 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.035 min
Lab File: BF141727.D
Acq: 21 Feb 2025 18:44

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# 21

Delta R.T. -0.041 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

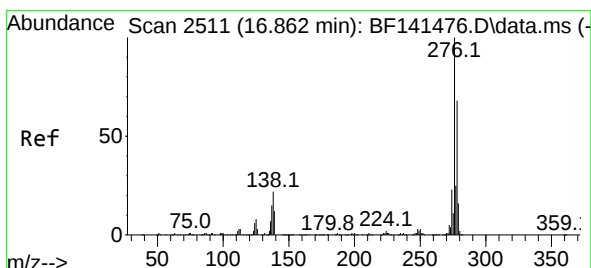
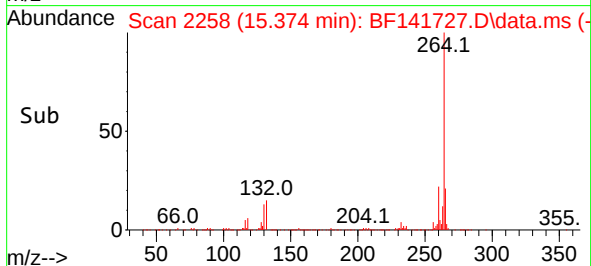
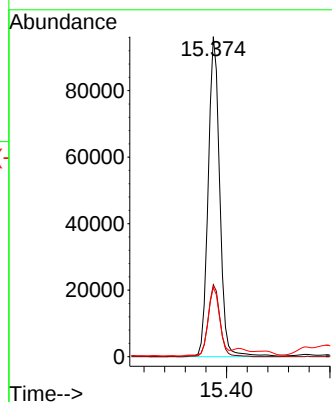
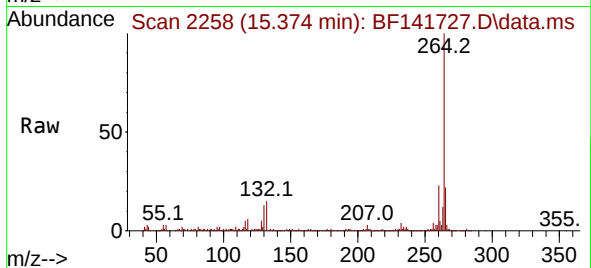
Tgt Ion:264 Resp: 149388

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# 2501

Delta R.T. -0.070 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

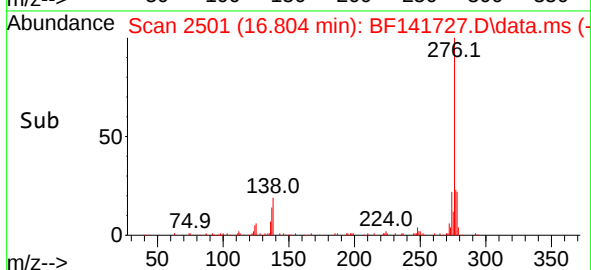
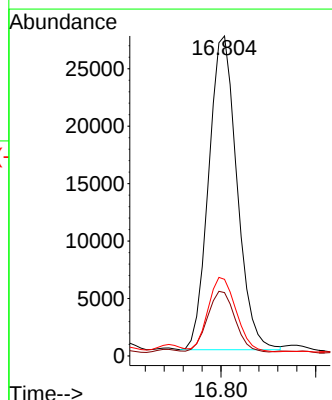
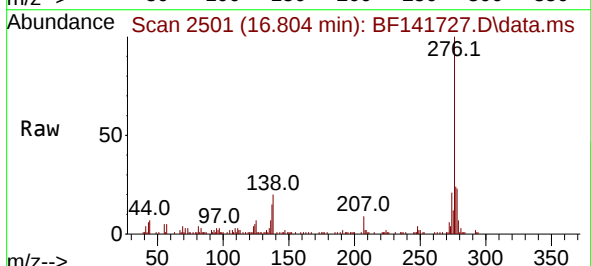
Tgt Ion:276 Resp: 56761

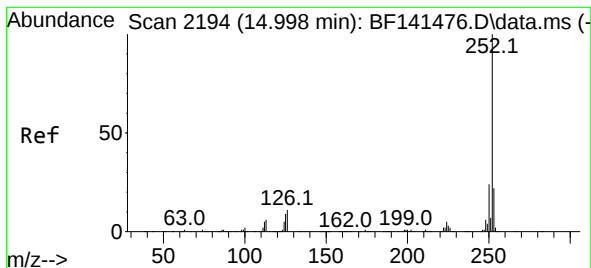
Ion Ratio Lower Upper

276 100

138 19.1 18.0 27.0

277 23.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 16.686 ng m

RT: 14.963 min Scan# 2190

Delta R.T. -0.041 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

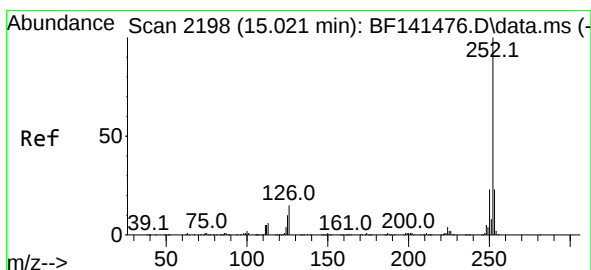
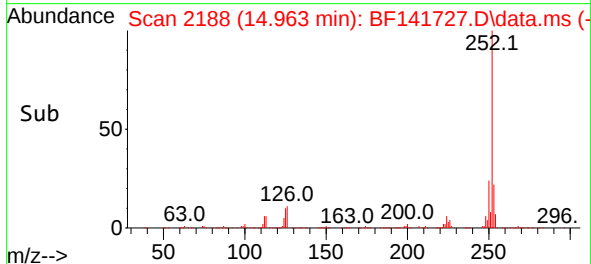
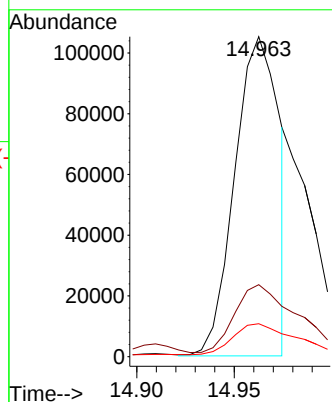
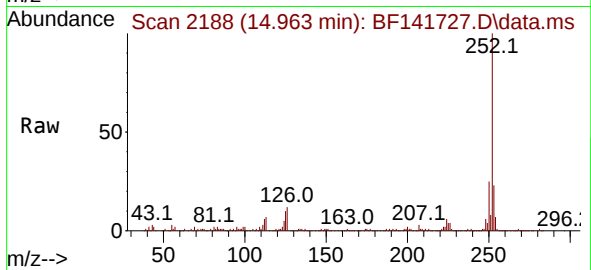
Tgt Ion:252 Resp: 167369

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: 8.151 ng m

RT: 14.974 min Scan# 2190

Delta R.T. -0.059 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

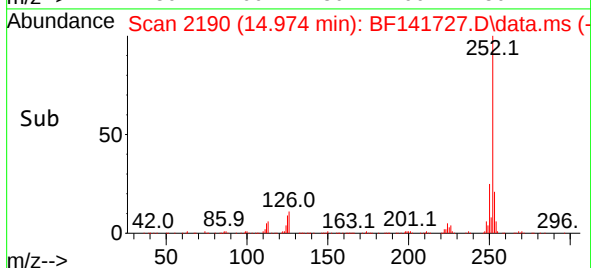
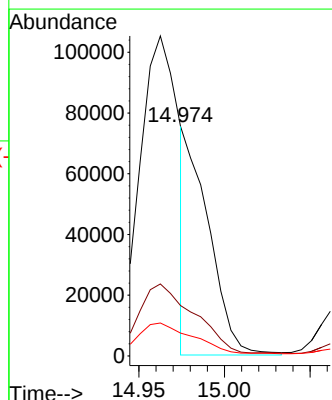
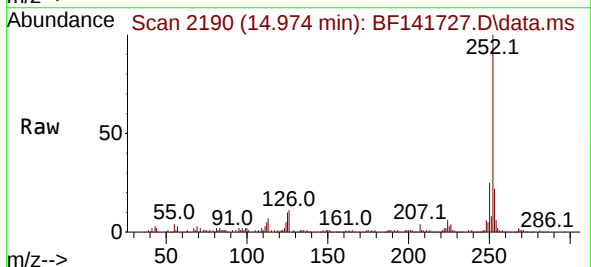
Tgt Ion:252 Resp: 69815

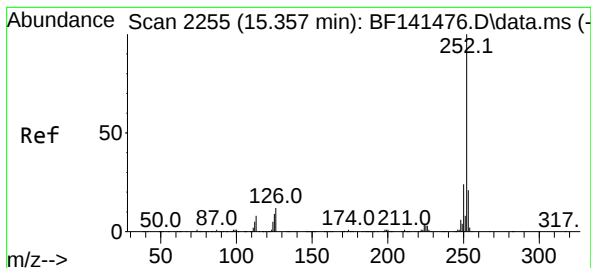
Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

125 10.0 7.4 11.0





#90

Benzo(a)pyrene

Concen: 13.883 ng

RT: 15.316 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141727.D

Acq: 21 Feb 2025 18:44

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

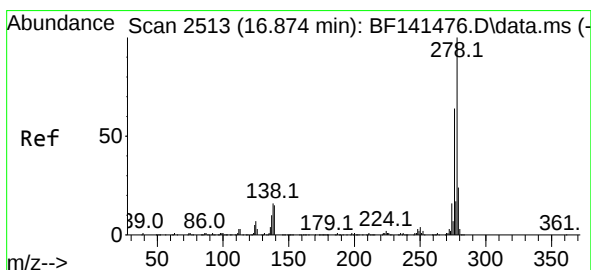
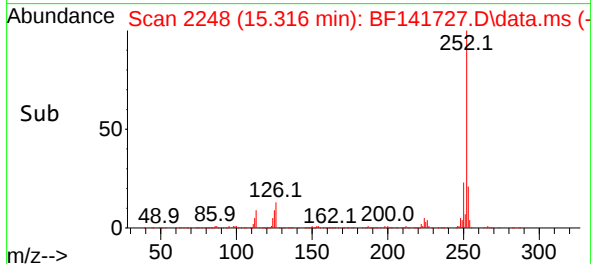
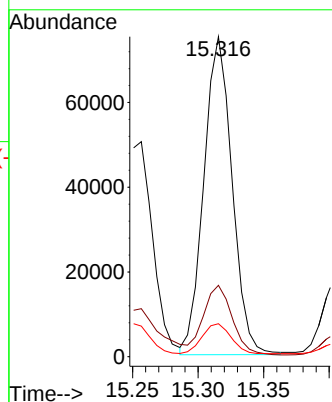
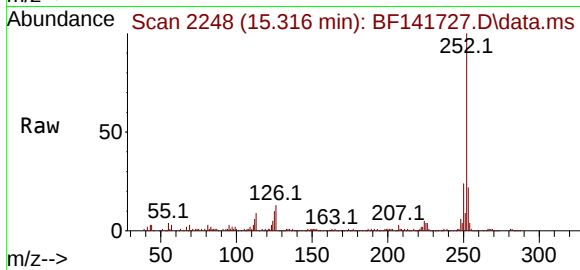
Tgt Ion:252 Resp: 112679

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

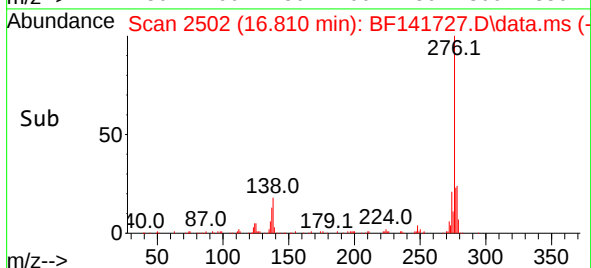
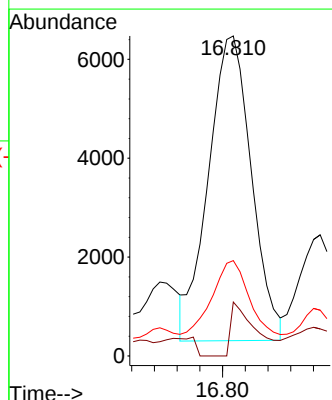
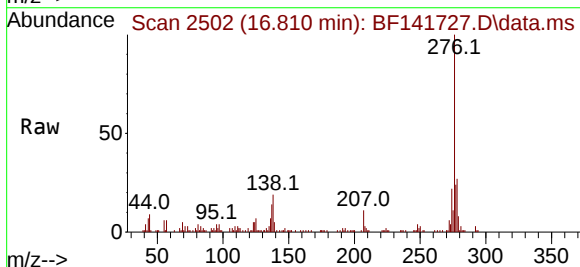
Tgt Ion:278 Resp: 16236

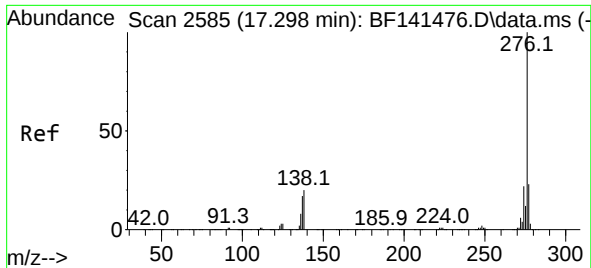
Ion Ratio Lower Upper

278 100

139 16.9 11.8 17.6

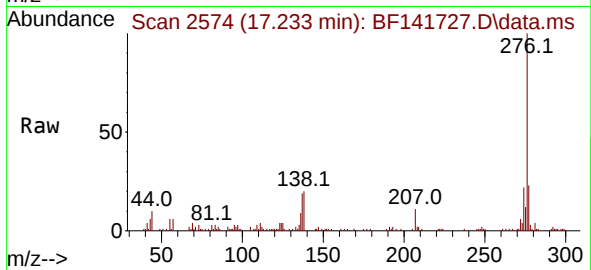
279 29.8 19.1 28.7#





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

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE



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

