

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141045.D
 Acq On : 30 Dec 2024 21:37
 Operator : RC/JU
 Sample : P5318-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-122024

Quant Time: Dec 31 00:17:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

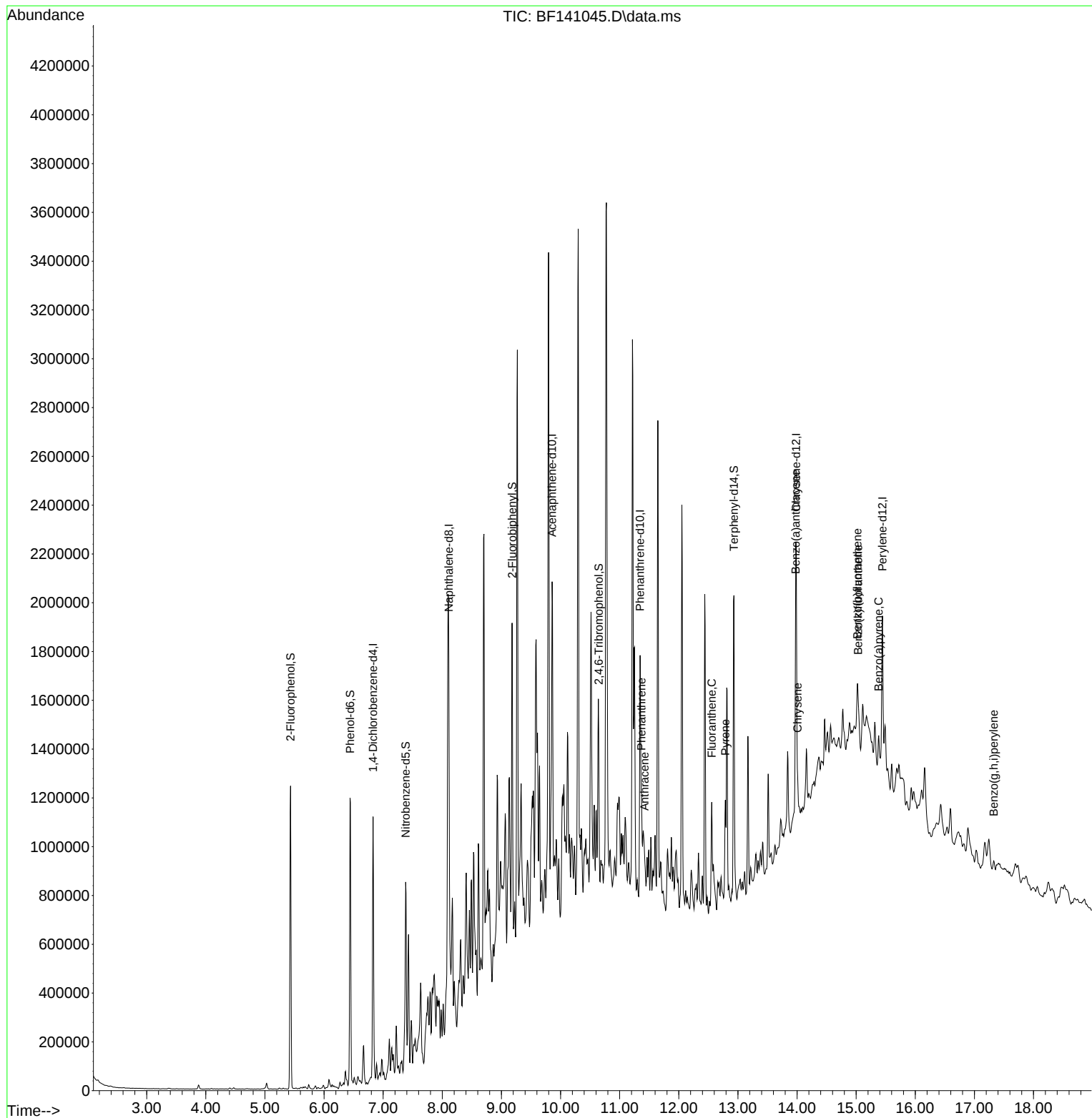
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	214473	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	741436	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	317819	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	493586	20.000	ng	0.00
76) Chrysene-d12	13.986	240	481756	20.000	ng	0.00
86) Perylene-d12	15.445	264	366661	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	464380	32.638	ng	0.00
7) Phenol-d6	6.440	99	546139	29.796	ng	-0.01
23) Nitrobenzene-d5	7.381	82	317755	27.419	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	93386	30.239	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	555130	27.829	ng	0.00
79) Terphenyl-d14	12.933	244	585883	20.200	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.369	178	184271	7.093	ng	97
72) Anthracene	11.422	178	54623m	2.146	ng	
75) Fluoranthene	12.557	202	233054	8.272	ng	98
78) Pyrene	12.786	202	227209	5.393	ng	98
81) Benzo(a)anthracene	13.974	228	133740	3.983	ng	# 90
83) Chrysene	14.010	228	106829	3.530	ng	# 91
88) Benzo(b)fluoranthene	15.021	252	132078m	5.165	ng	
89) Benzo(k)fluoranthene	15.033	252	54860m	2.737	ng	
90) Benzo(a)pyrene	15.380	252	82039	4.133	ng	# 77
92) Benzo(g,h,i)perylene	17.327	276	40448	2.083	ng	# 87

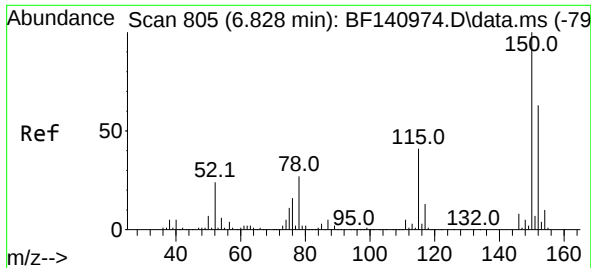
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
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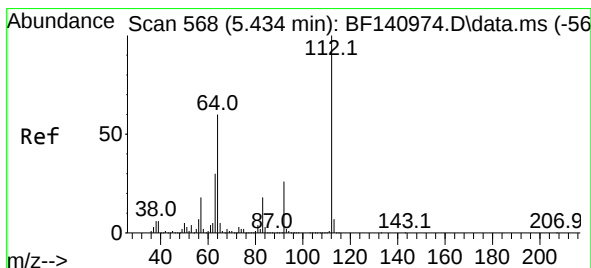
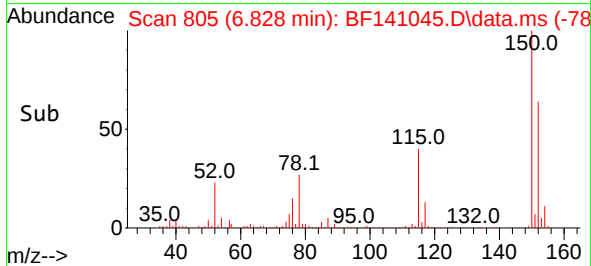
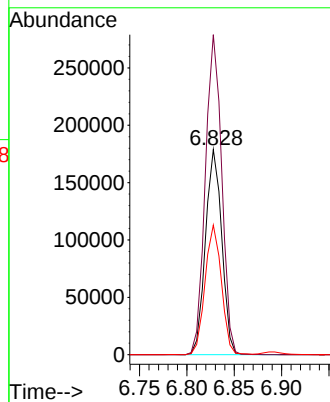
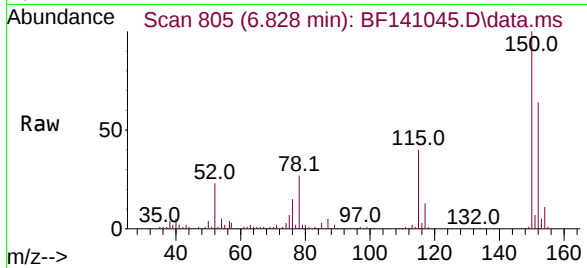




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

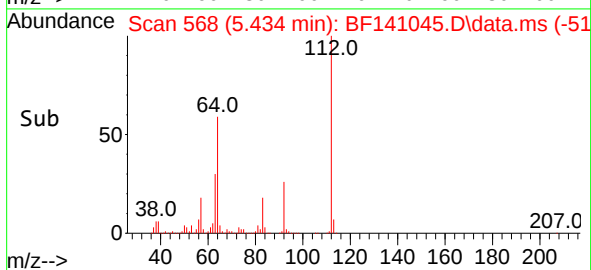
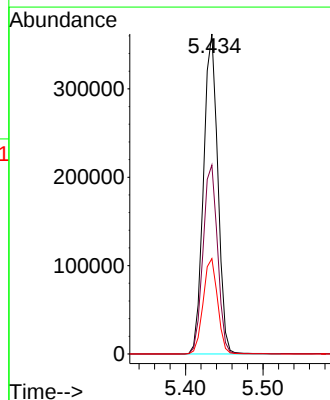
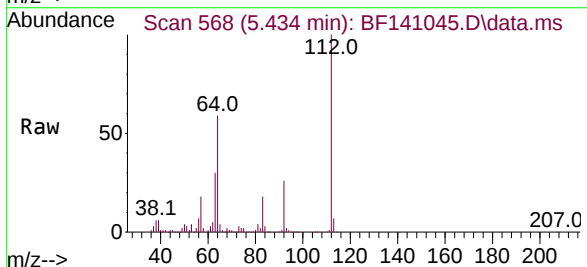
Instrument :
BNA_F
ClientSampleId :
AU-06-122024

Tgt Ion:152 Resp: 214473
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 63.2 51.7 77.5



#5
2-Fluorophenol
Concen: 32.638 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion:112 Resp: 464380
Ion Ratio Lower Upper
112 100
64 59.1 47.7 71.5
63 29.8 24.2 36.2





#7

Phenol-d6

Concen: 29.796 ng

RT: 6.440 min Scan# 741

Delta R.T. -0.012 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

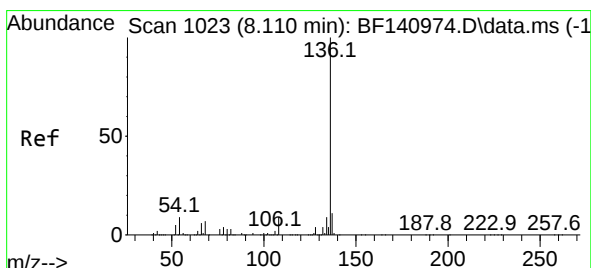
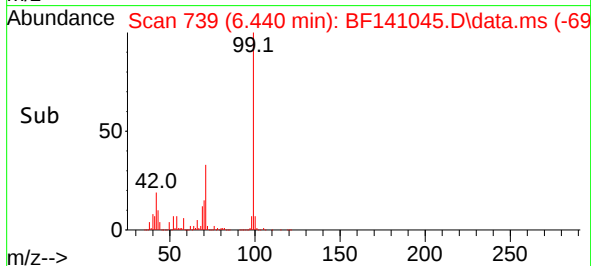
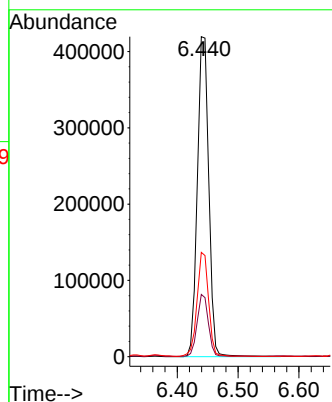
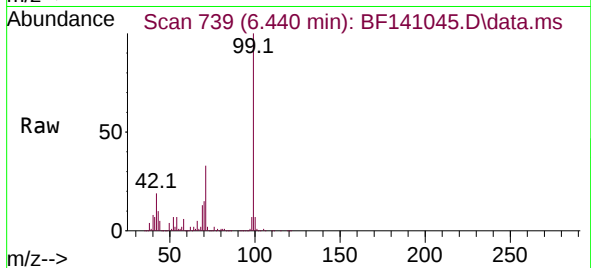
Tgt Ion: 99 Resp: 546139

Ion Ratio Lower Upper

99 100

42 19.4 15.0 22.4

71 32.6 26.2 39.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Tgt Ion: 136 Resp: 741436

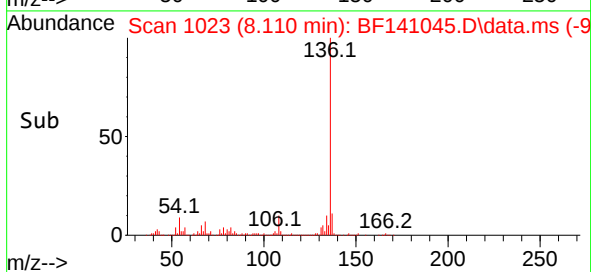
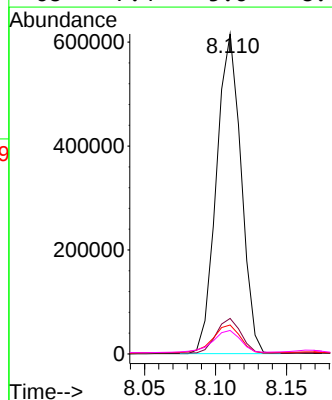
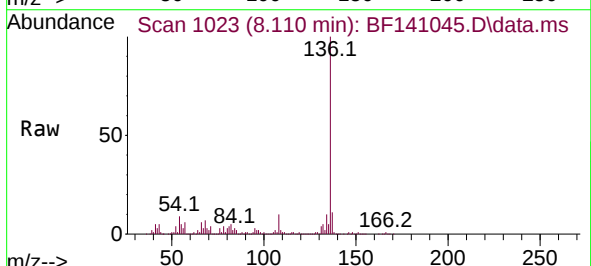
Ion Ratio Lower Upper

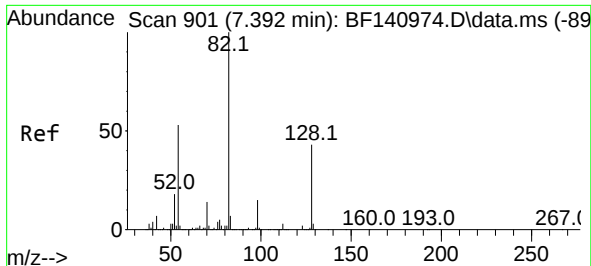
136 100

137 11.1 9.0 13.4

54 9.0 7.6 11.4

68 7.4 5.6 8.4

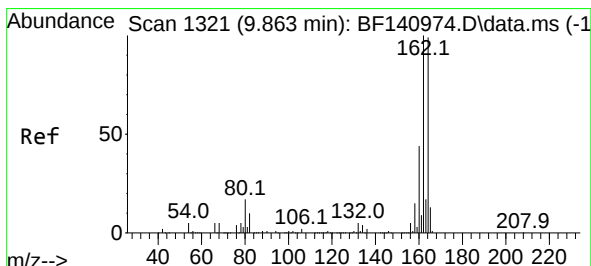
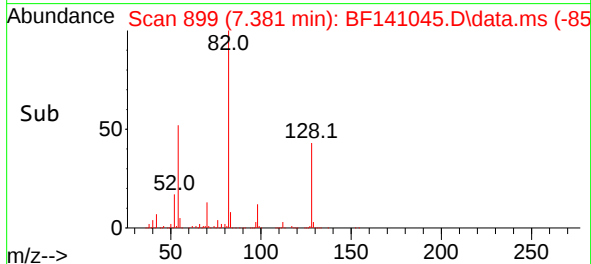
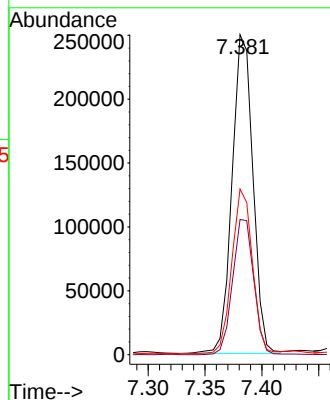
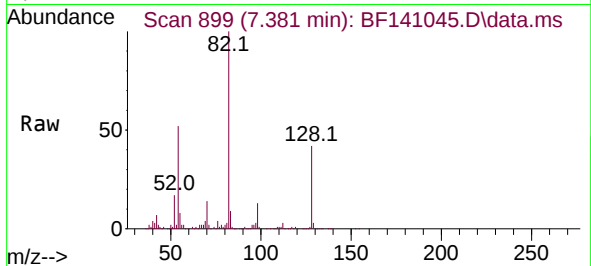




#23
Nitrobenzene-d5
Concen: 27.419 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

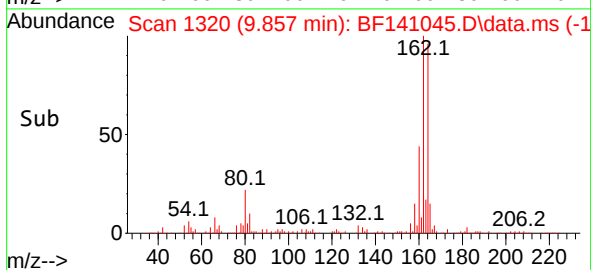
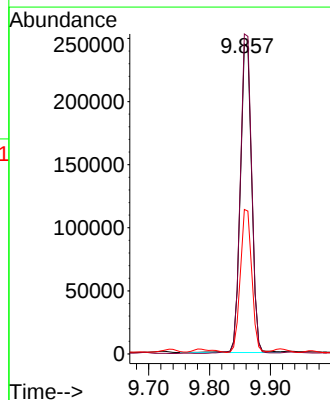
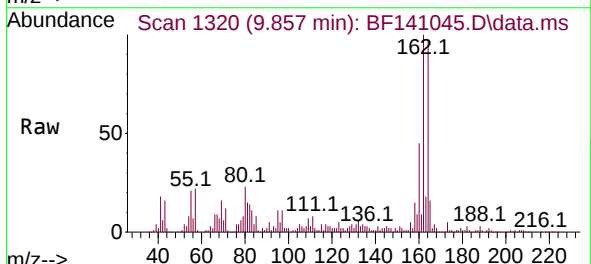
Instrument :
BNA_F
ClientSampleId :
AU-06-122024

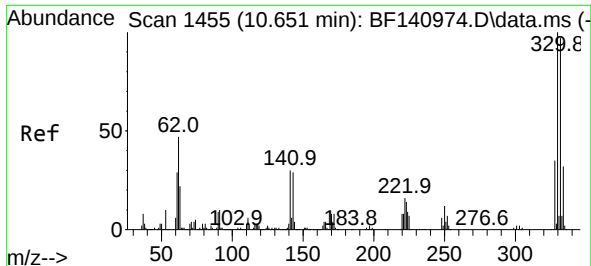
Tgt Ion: 82 Resp: 317755
Ion Ratio Lower Upper
82 100
128 42.2 34.4 51.6
54 51.7 42.4 63.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion: 164 Resp: 317819
Ion Ratio Lower Upper
164 100
162 103.3 80.6 120.8
160 46.6 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 30.239 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

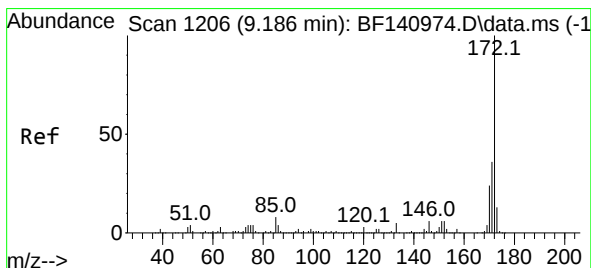
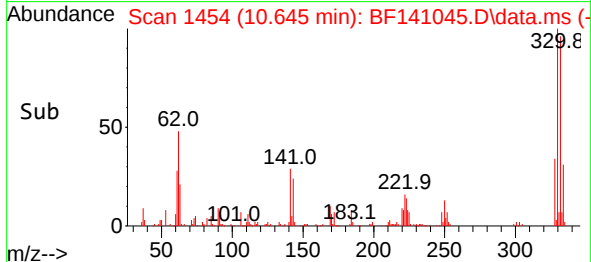
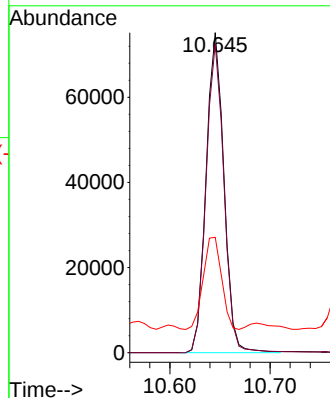
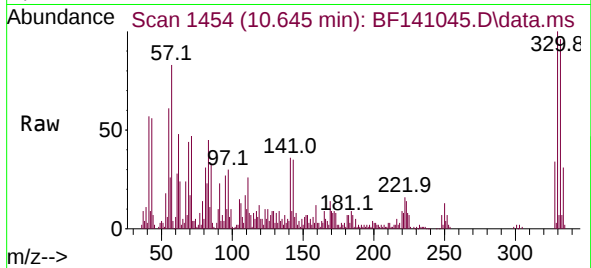
Tgt Ion:330 Resp: 93386

Ion Ratio Lower Upper

330 100

332 96.9 78.0 117.0

141 29.5 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 27.829 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

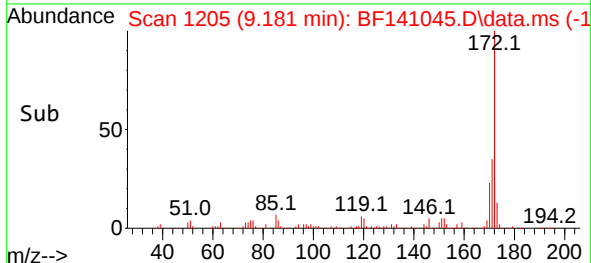
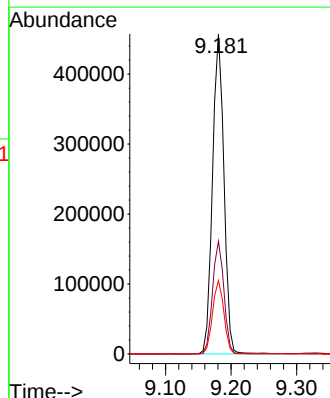
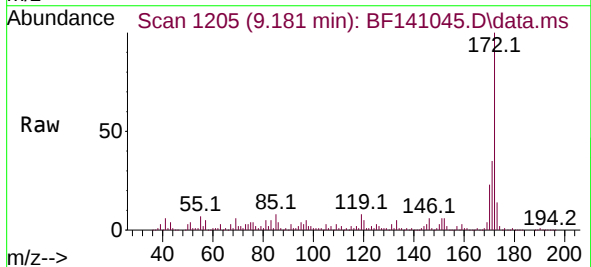
Tgt Ion:172 Resp: 555130

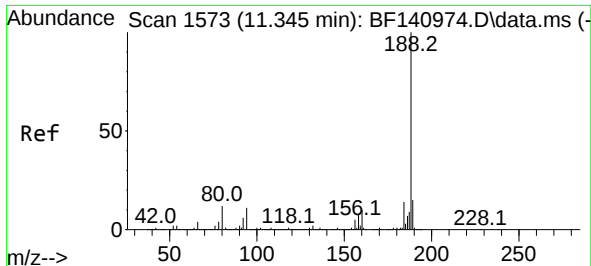
Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.4

170 23.0 19.6 29.4

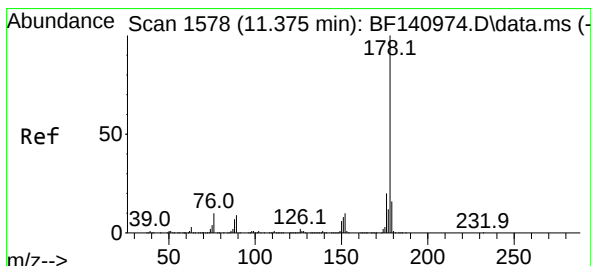
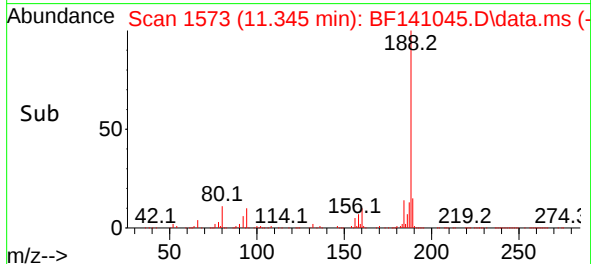
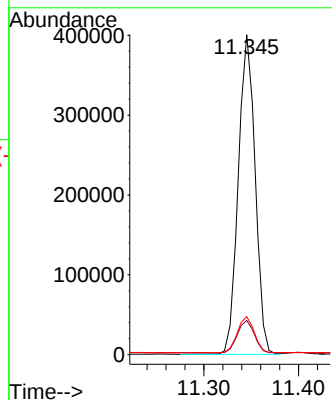
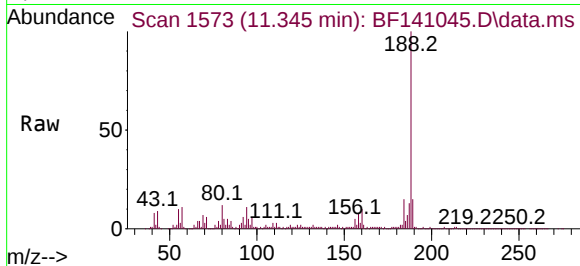




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

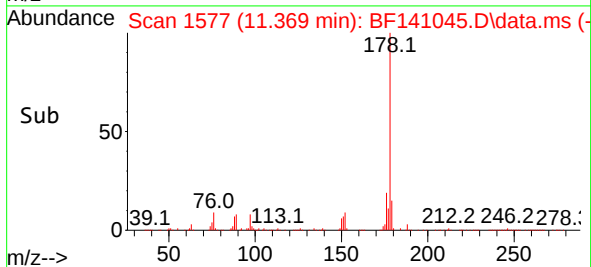
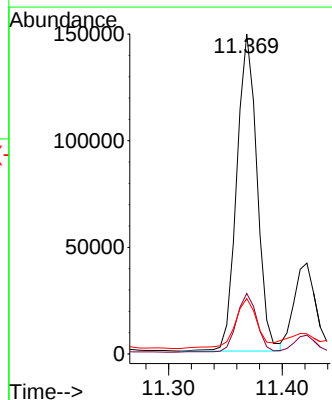
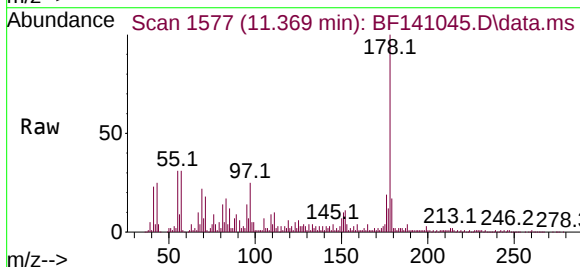
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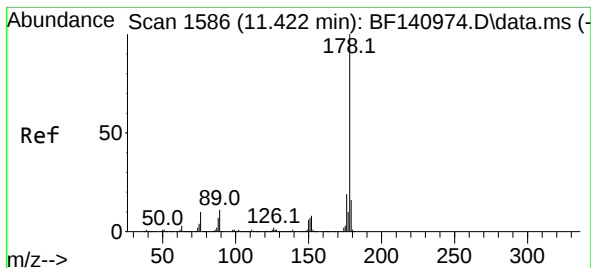
Tgt Ion:188 Resp: 493586
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.6
80 11.9 9.8 14.6



#71
Phenanthrene
Concen: 7.093 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion:178 Resp: 184271
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 17.3 12.6 19.0

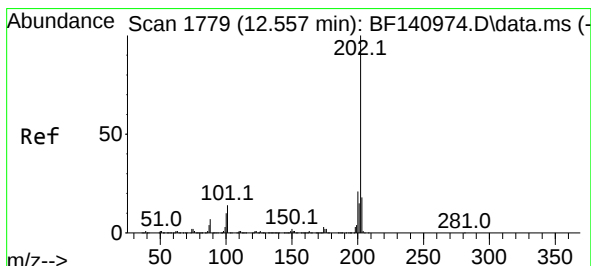
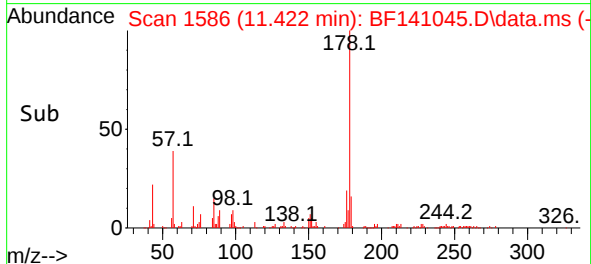
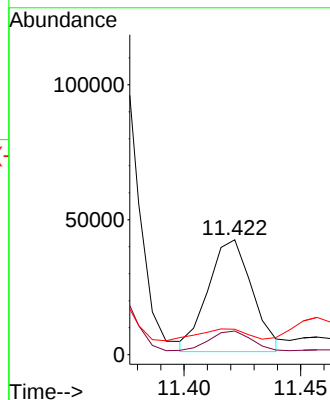
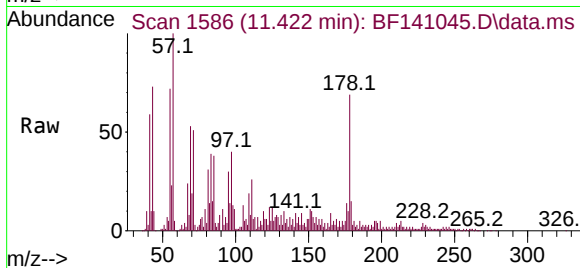




#72
Anthracene
Concen: 2.146 ng m
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

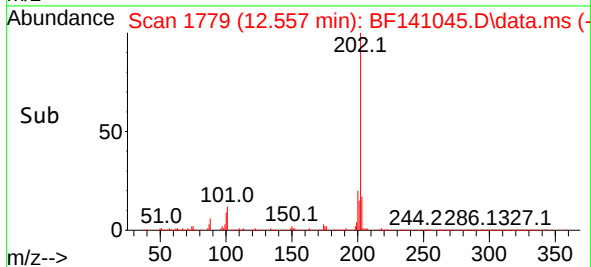
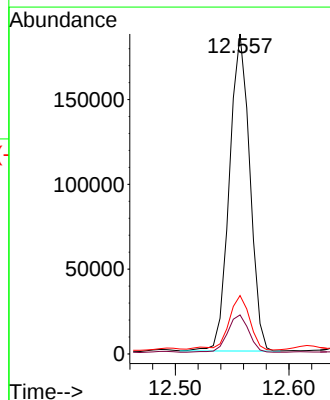
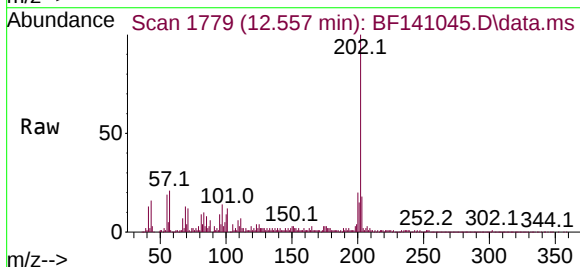
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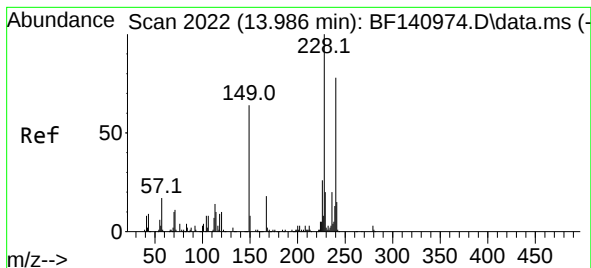
Tgt Ion:178 Resp: 54623
Ion Ratio Lower Upper
178 100
176 20.7 15.3 22.9
179 22.2 12.9 19.3#



#75
Fluoranthene
Concen: 8.272 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF141045.D
Acq: 30 Dec 2024 21:37

Tgt Ion:202 Resp: 233054
Ion Ratio Lower Upper
202 100
101 12.2 0.0 33.7
203 18.2 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

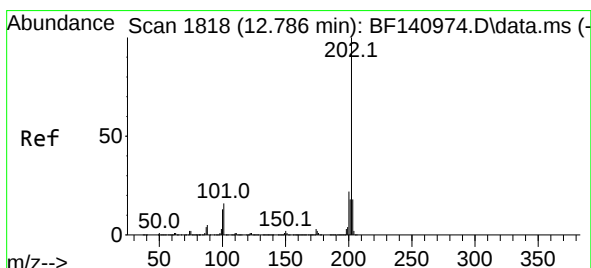
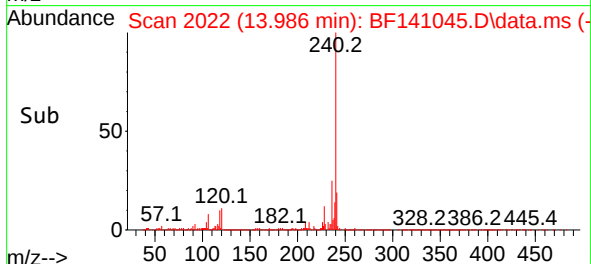
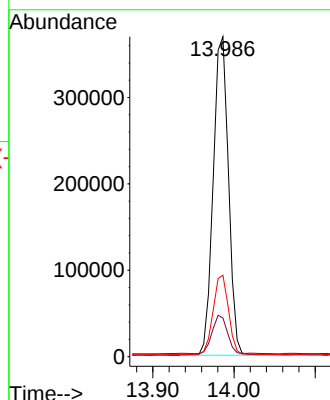
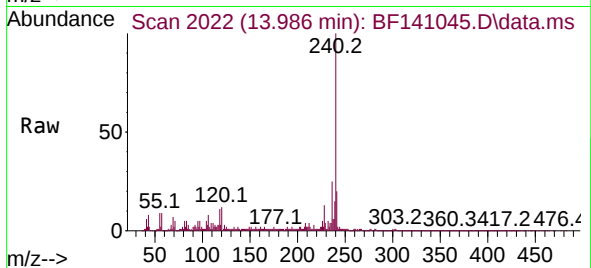
Tgt Ion:240 Resp: 481756

Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 25.5 20.6 31.0



#78

Pyrene

Concen: 5.393 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

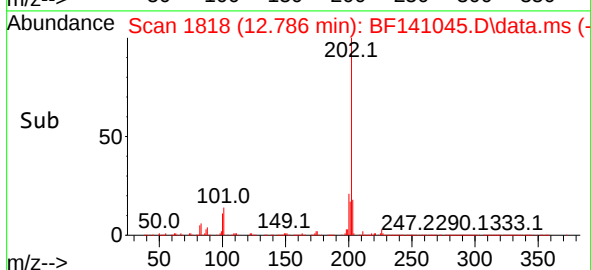
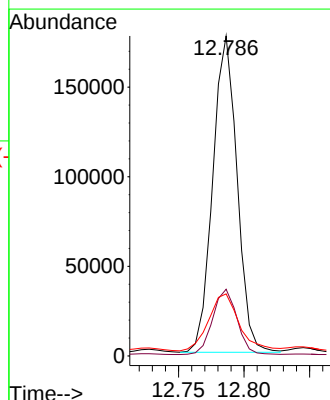
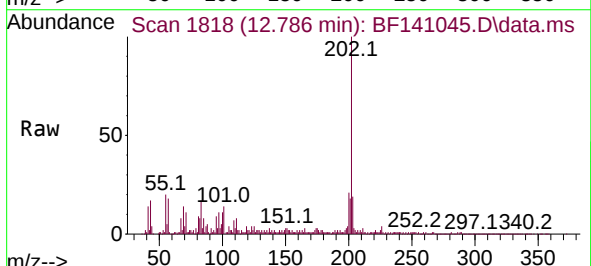
Tgt Ion:202 Resp: 227209

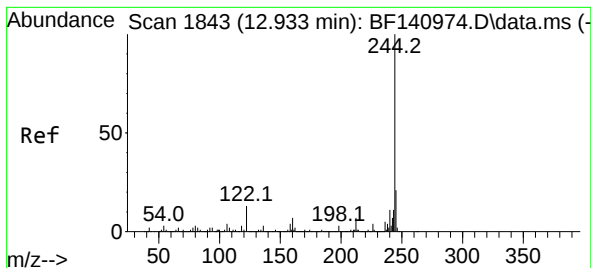
Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 19.4 14.6 21.8





#79

Terphenyl-d14

Concen: 20.200 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

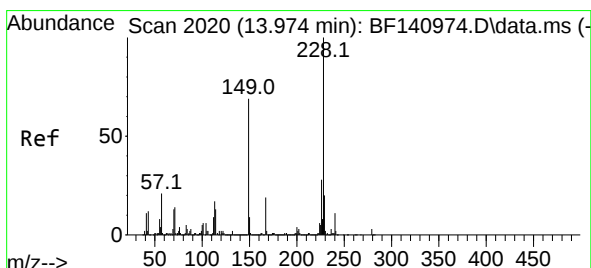
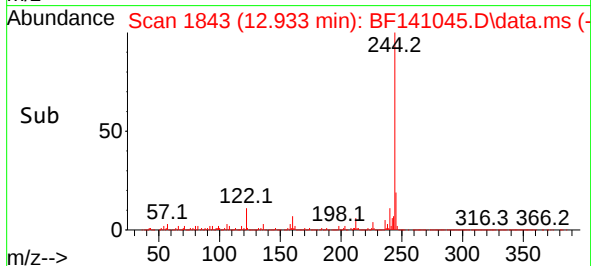
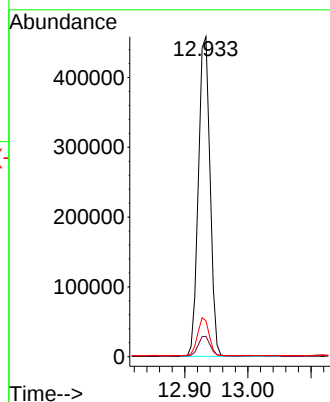
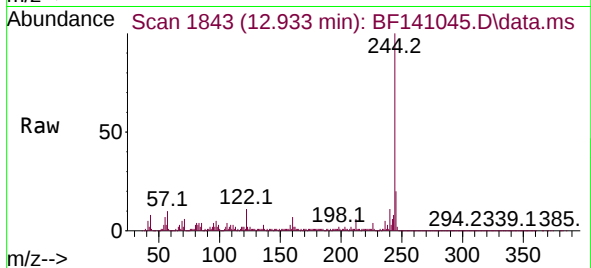
Tgt Ion:244 Resp: 585883

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

122 11.3 10.2 15.2



#81

Benzo(a)anthracene

Concen: 3.983 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

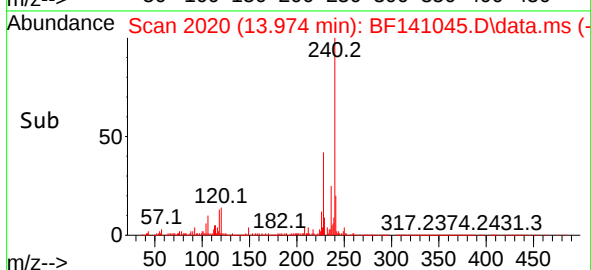
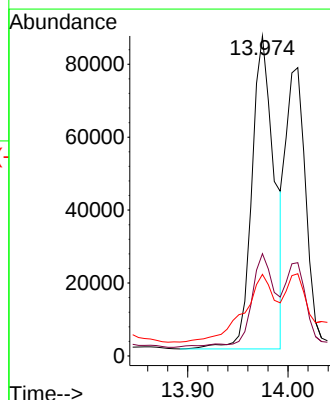
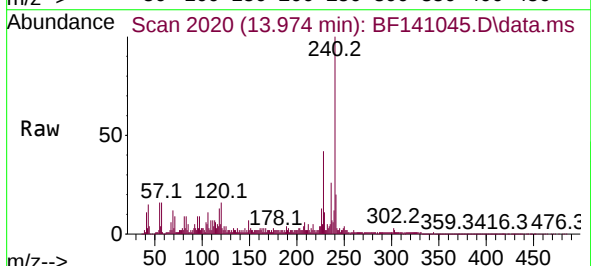
Tgt Ion:228 Resp: 133740

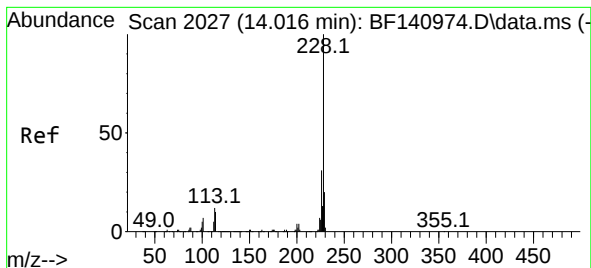
Ion Ratio Lower Upper

228 100

226 32.0 22.1 33.1

229 25.5 16.2 24.2#





#83

Chrysene

Concen: 3.530 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

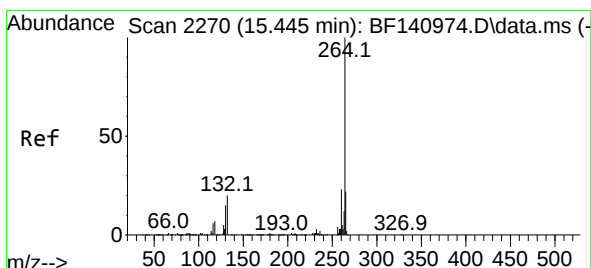
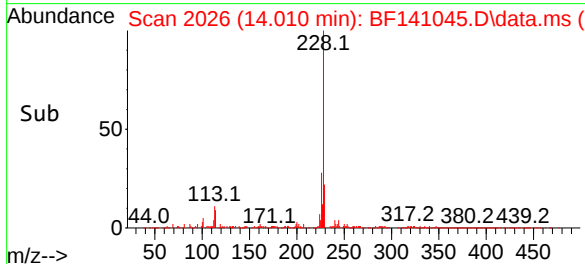
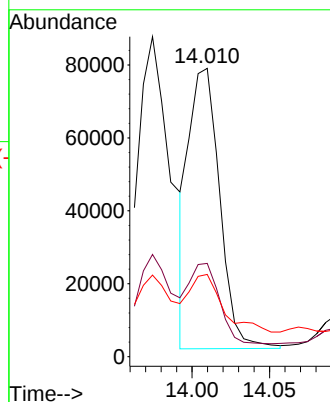
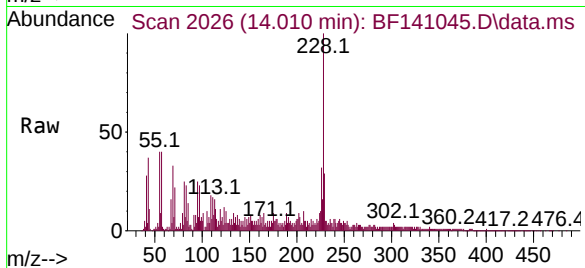
Tgt Ion:228 Resp: 106829

Ion Ratio Lower Upper

228 100

226 32.4 24.5 36.7

229 28.5 16.2 24.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

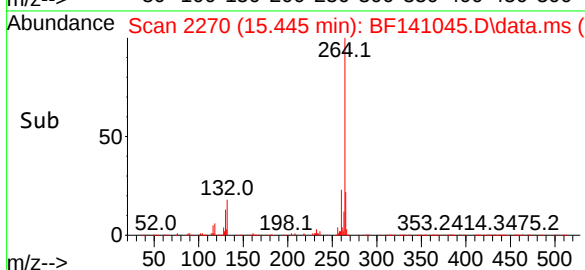
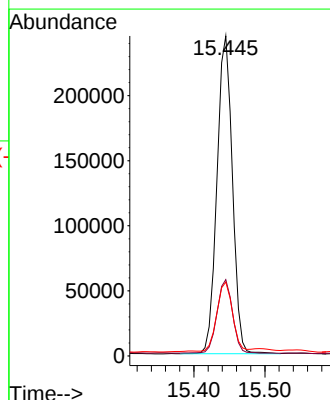
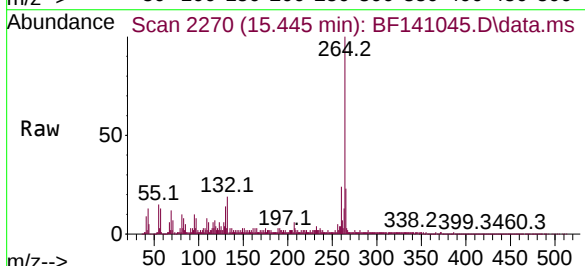
Tgt Ion:264 Resp: 366661

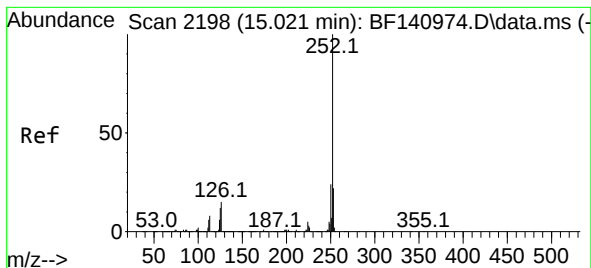
Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 23.1 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 5.165 ng m

RT: 15.021 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

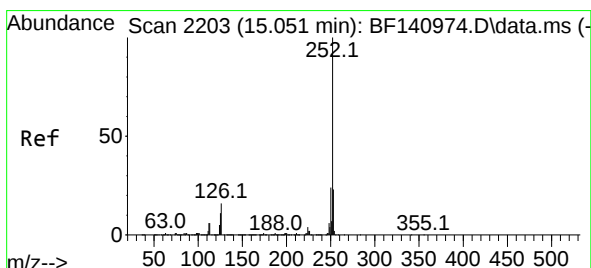
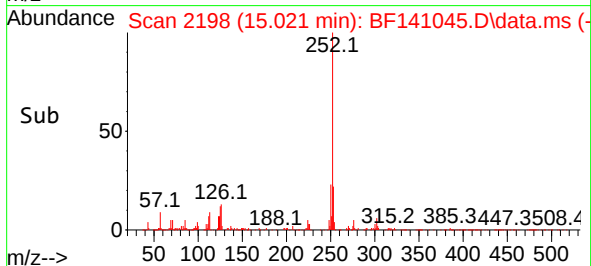
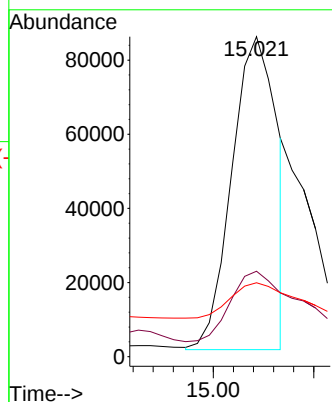
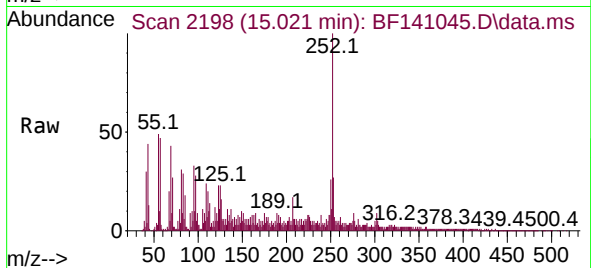
Tgt Ion:252 Resp: 132078

Ion Ratio Lower Upper

252 100

253 26.7 17.7 26.5#

125 23.1 9.3 13.9#



#89

Benzo(k)fluoranthene

Concen: 2.737 ng m

RT: 15.033 min Scan# 2200

Delta R.T. -0.018 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

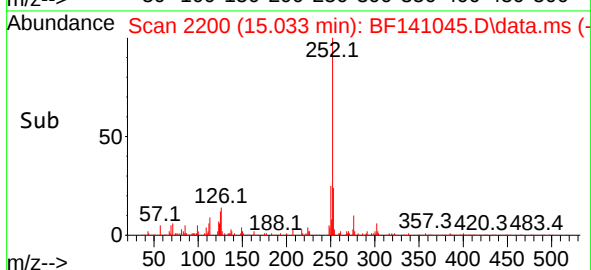
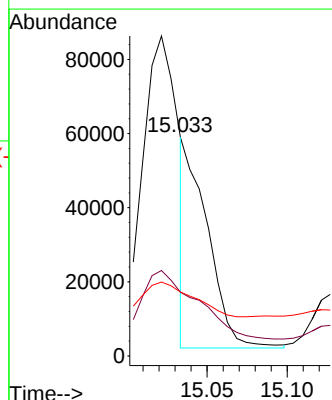
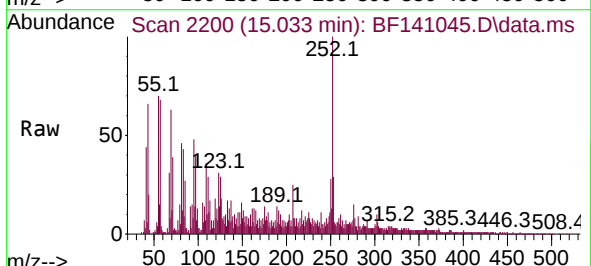
Tgt Ion:252 Resp: 54860

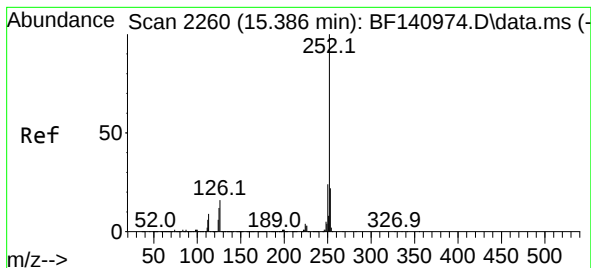
Ion Ratio Lower Upper

252 100

253 29.2 17.8 26.8#

125 29.2 9.4 14.0#





#90

Benzo(a)pyrene

Concen: 4.133 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Instrument :

BNA_F

ClientSampleId :

AU-06-122024

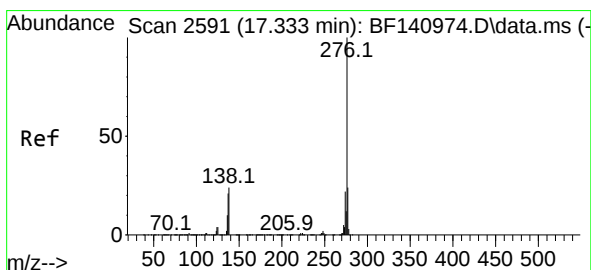
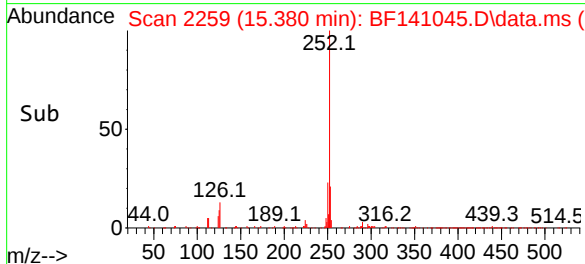
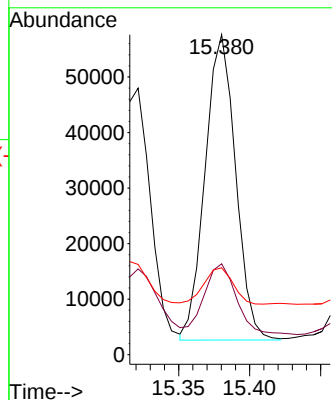
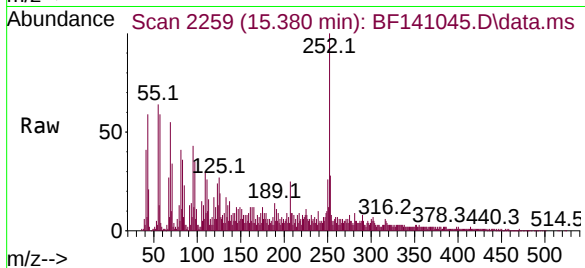
Tgt Ion:252 Resp: 82039

Ion Ratio Lower Upper

252 100

253 28.4 17.2 25.8#

125 27.2 9.8 14.8#



#92

Benzo(g,h,i)perylene

Concen: 2.083 ng

RT: 17.327 min Scan# 2590

Delta R.T. -0.006 min

Lab File: BF141045.D

Acq: 30 Dec 2024 21:37

Tgt Ion:276 Resp: 40448

Ion Ratio Lower Upper

276 100

277 31.5 19.0 28.4#

138 29.0 19.4 29.2

