

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141092.D
 Acq On : 08 Jan 2025 18:57
 Operator : RC/JU
 Sample : Q1025-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GREENBROOK-COMP

Quant Time: Jan 09 00:03:41 2025
 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)

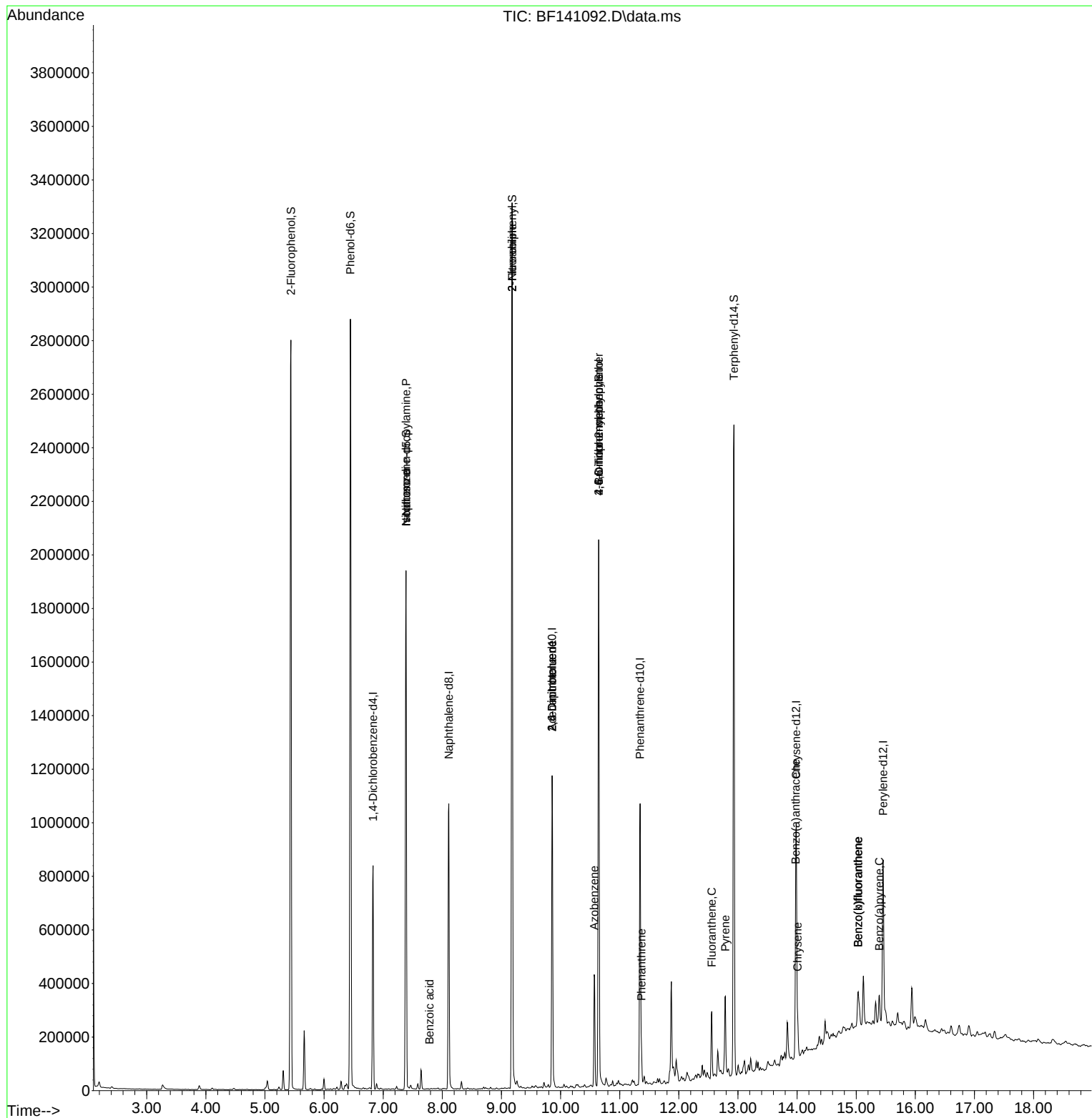
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	174931	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	682944	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	351731	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	526160	20.000	ng	0.00
76) Chrysene-d12	13.986	240	385549	20.000	ng	0.00
86) Perylene-d12	15.457	264	366102	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1108160	95.490	ng	0.00
7) Phenol-d6	6.445	99	1399774	93.632	ng	0.00
23) Nitrobenzene-d5	7.386	82	859951	80.560	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	363624	106.392	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1458077	66.047	ng	0.00
79) Terphenyl-d14	12.933	244	1234576	53.187	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.375	77	4547	Below Cal	#	74
19) n-Nitroso-di-n-propyla...	7.386	70	114818	12.537	ng	# 77
25) Isophorone	7.386	82	843920	36.331	ng	# 65
32) Benzoic acid	7.786	122	267	7.725	ng	86
48) 2-Nitroaniline	9.180	65	2206	5.009	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	45943	12.651	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	46000	11.720	ng	# 21
63) Azobenzene	10.569	77	108076	4.508	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.645	198	803	9.652	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	21900	3.850	ng	# 1
71) Phenanthrene	11.369	178	71943	2.598	ng	99
75) Fluoranthene	12.557	202	139811	4.655	ng	98
78) Pyrene	12.786	202	172645	5.120	ng	99
81) Benzo(a)anthracene	13.974	228	86657	3.225	ng	97
83) Chrysene	14.010	228	74389	3.071	ng	97
88) Benzo(b)fluoranthene	15.033	252	113920	4.462	ng	# 95
89) Benzo(k)fluoranthene	15.033	252	113920	5.693	ng	# 95
90) Benzo(a)pyrene	15.392	252	68077	3.435	ng	95

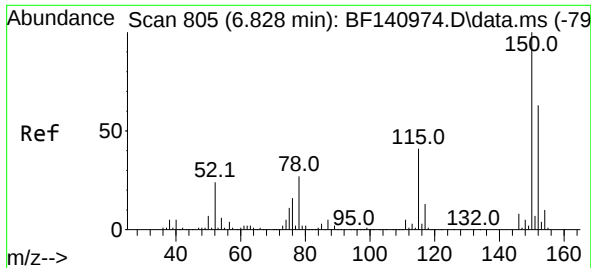
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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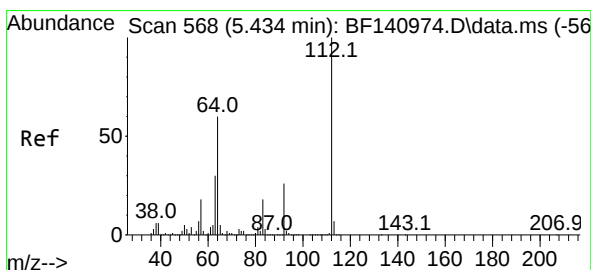
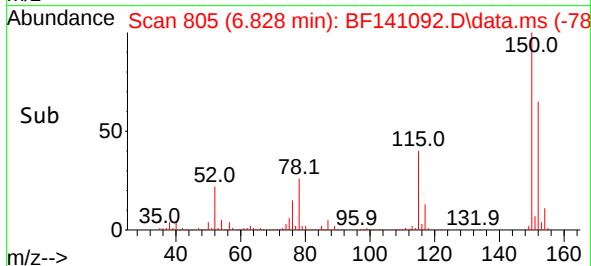
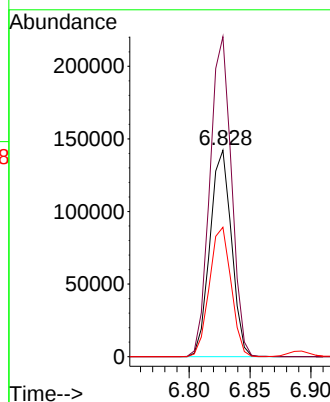
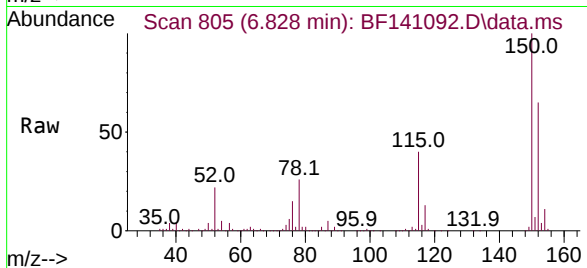




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141092.D
 Acq: 08 Jan 2025 18:57

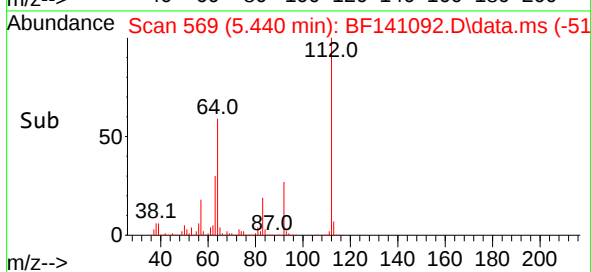
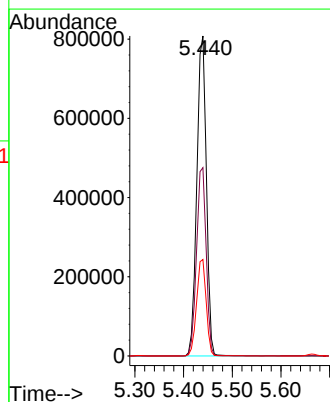
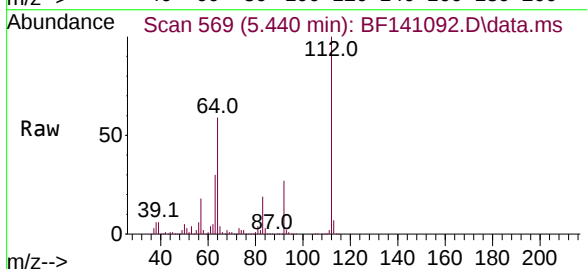
Instrument :
 BNA_F
 ClientSampleId :
 GREENBROOK-COMP

Tgt Ion:152 Resp: 174931
 Ion Ratio Lower Upper
 152 100
 150 155.0 127.0 190.6
 115 62.7 51.7 77.5



#5
 2-Fluorophenol
 Concen: 95.490 ng
 RT: 5.440 min Scan# 569
 Delta R.T. 0.006 min
 Lab File: BF141092.D
 Acq: 08 Jan 2025 18:57

Tgt Ion:112 Resp: 1108160
 Ion Ratio Lower Upper
 112 100
 64 58.8 47.7 71.5
 63 30.2 24.2 36.2

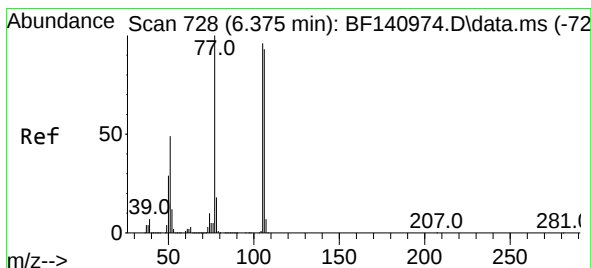
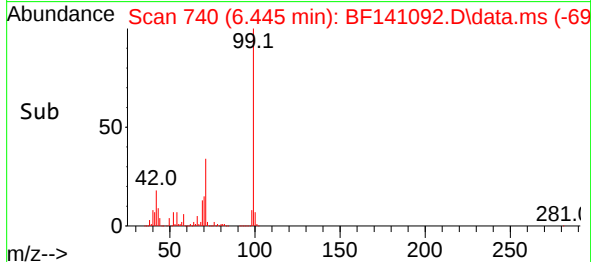
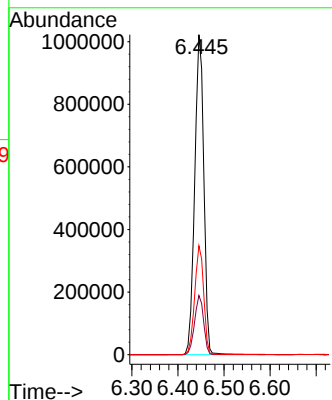
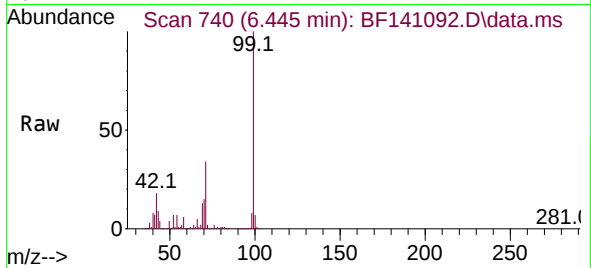




#7
Phenol-d6
Concen: 93.632 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

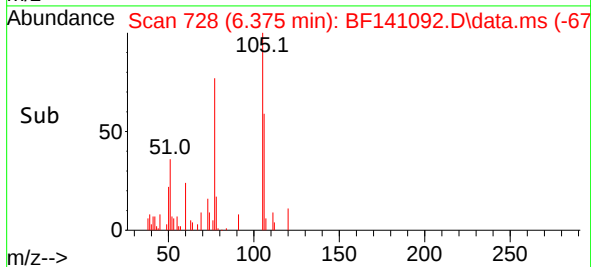
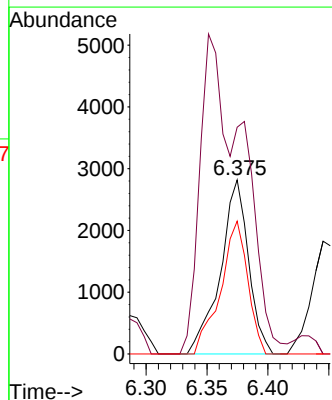
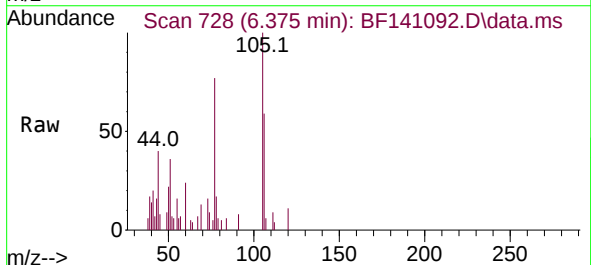
Instrument :
BNA_F
ClientSampleId :
GREENBROOK-COMP

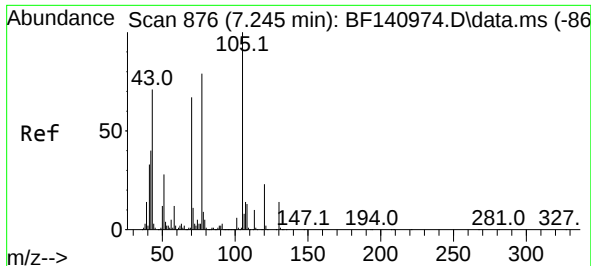
Tgt Ion: 99 Resp: 1399774
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.4
71 34.1 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

Tgt Ion: 77 Resp: 4547
Ion Ratio Lower Upper
77 100
105 130.3 76.2 116.2#
106 76.3 73.4 113.4





#19

n-Nitroso-di-n-propylamine

Concen: 12.537 ng

RT: 7.386 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF141092.D

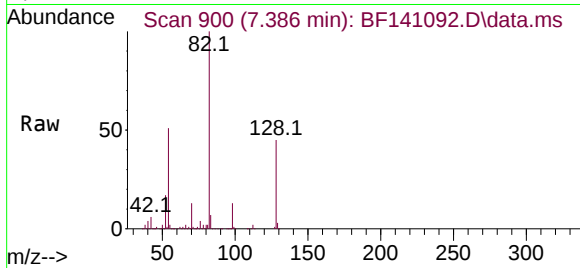
Acq: 08 Jan 2025 18:57

Instrument :

BNA_F

ClientSampleId :

GREENBROOK-COMP



Tgt Ion: 70 Resp: 114818

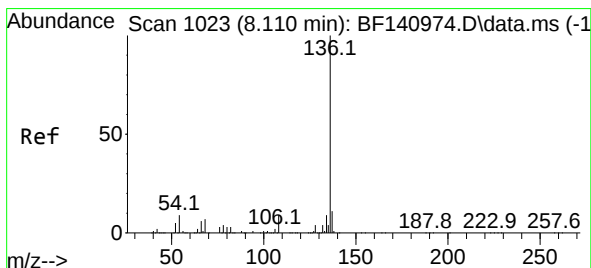
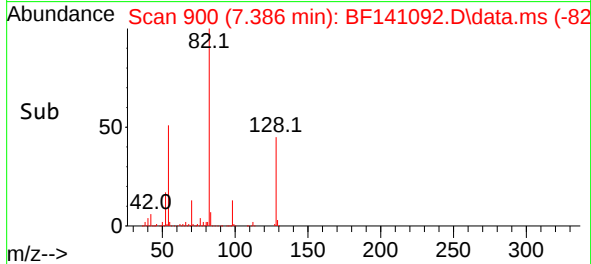
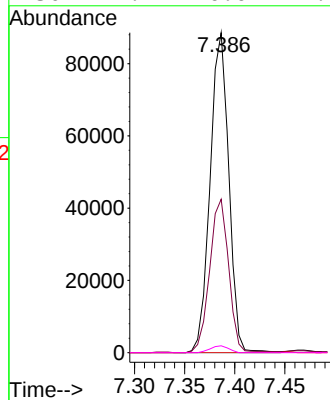
Ion Ratio Lower Upper

70 100

42 47.9 48.1 72.1#

101 0.0 7.6 11.4#

130 2.2 16.6 24.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

Tgt Ion: 136 Resp: 682944

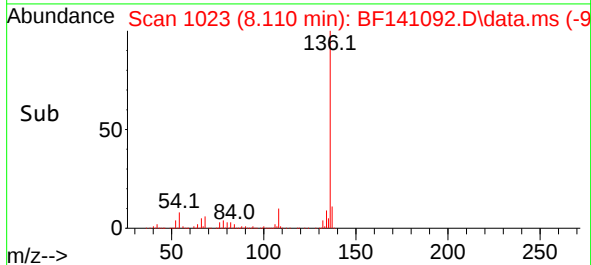
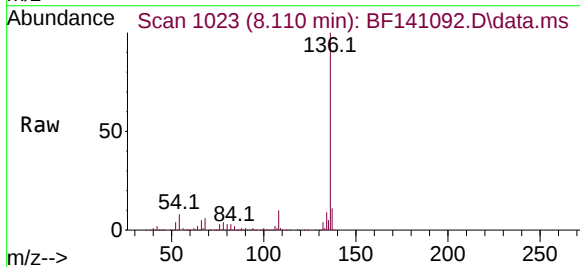
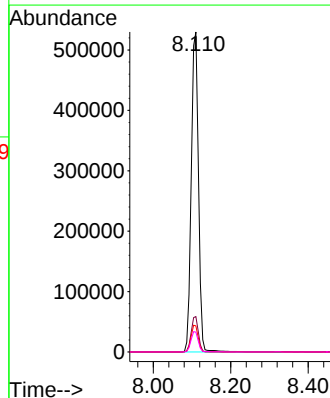
Ion Ratio Lower Upper

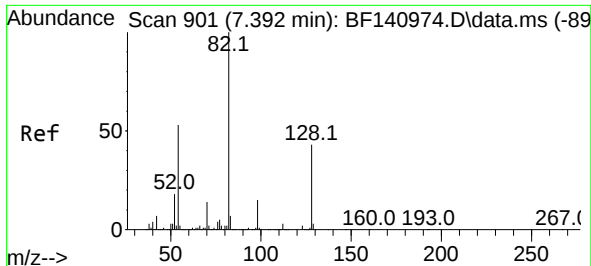
136 100

137 11.0 9.0 13.4

54 8.2 7.6 11.4

68 6.2 5.6 8.4





#23

Nitrobenzene-d5

Concen: 80.560 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141092.D

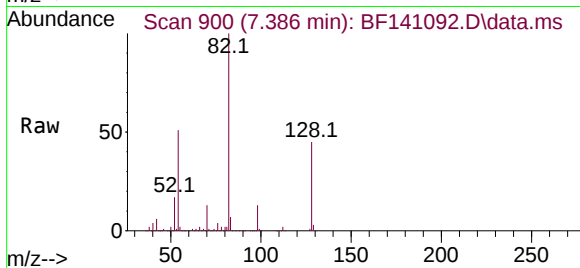
Acq: 08 Jan 2025 18:57

Instrument :

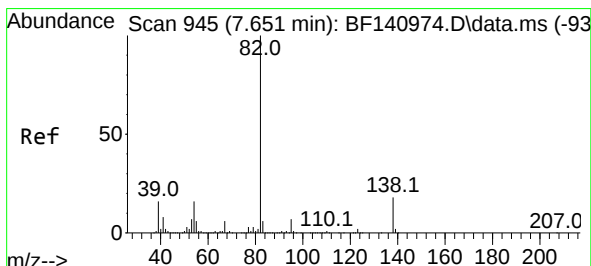
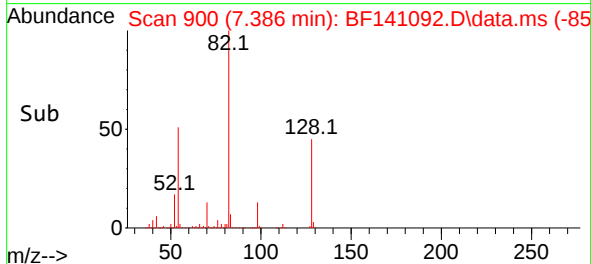
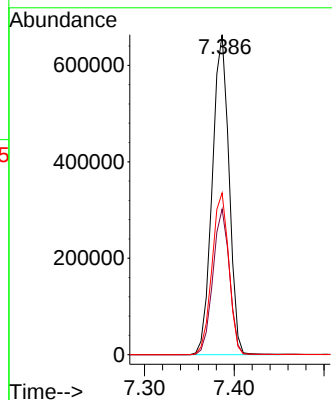
BNA_F

ClientSampleId :

GREENBROOK-COMP



Tgt Ion:	82	Resp:	859951
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.4	51.6
54	50.6	42.4	63.6



#25

Isophorone

Concen: 36.331 ng

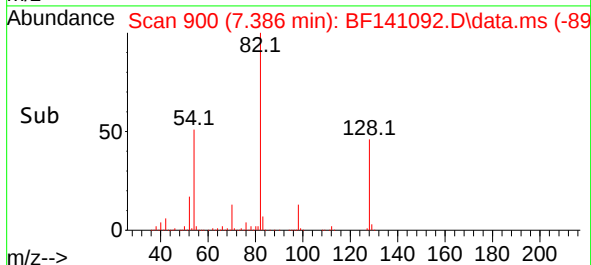
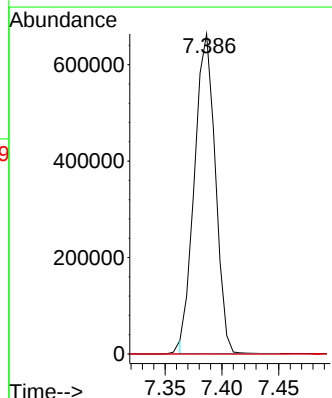
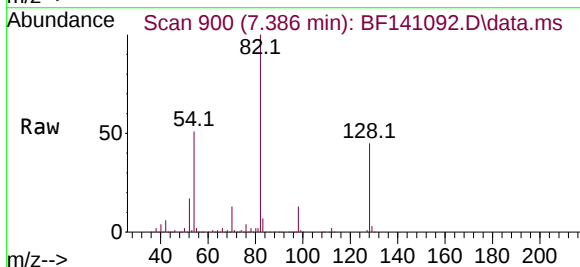
RT: 7.386 min Scan# 900

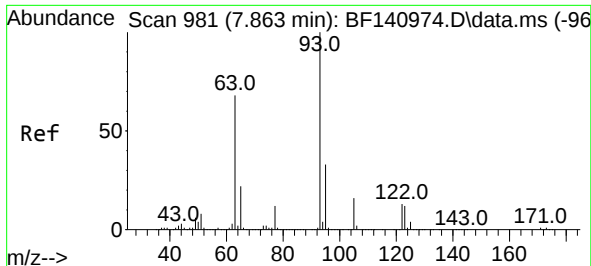
Delta R.T. -0.265 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

Tgt Ion:	82	Resp:	843920
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	21.8#

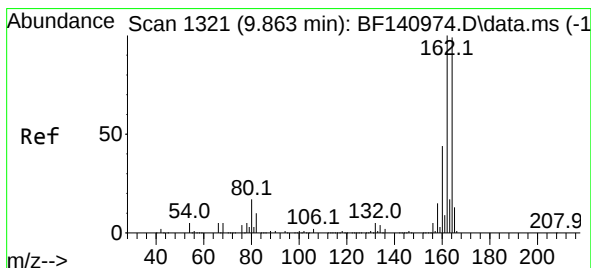
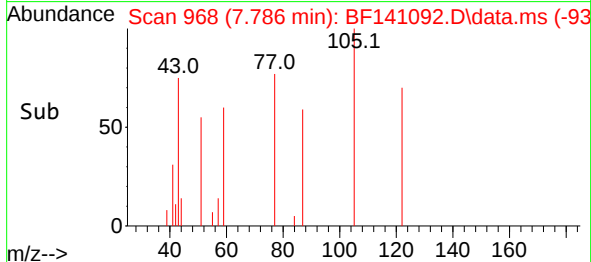
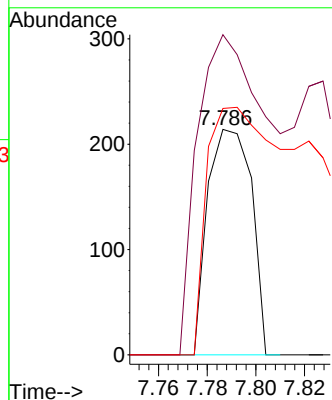
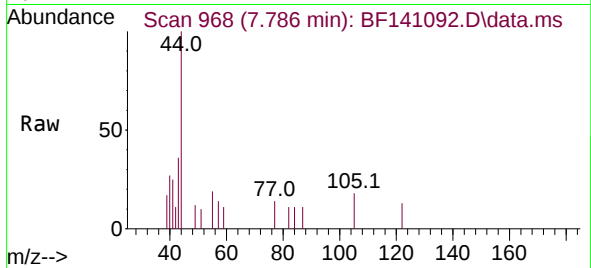




#32
Benzoic acid
Concen: 7.725 ng
RT: 7.786 min Scan# 91
Delta R.T. -0.077 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

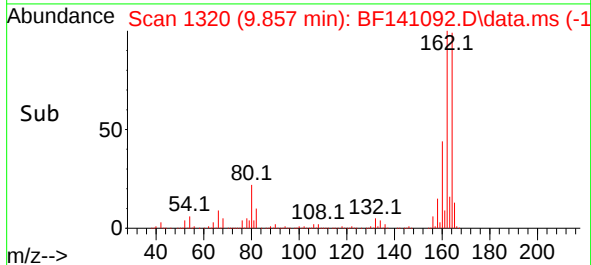
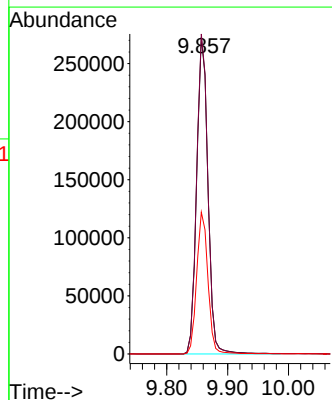
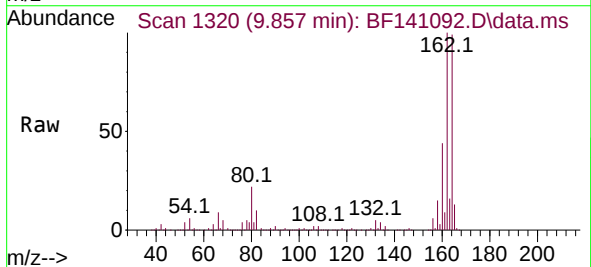
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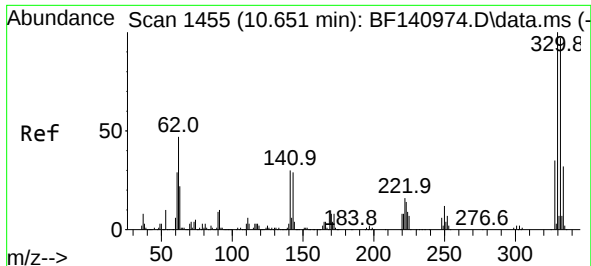
Tgt Ion:122 Resp: 267
Ion Ratio Lower Upper
122 100
105 142.1 105.4 145.4
77 109.3 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

Tgt Ion:164 Resp: 351731
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 44.8 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 106.392 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141092.D

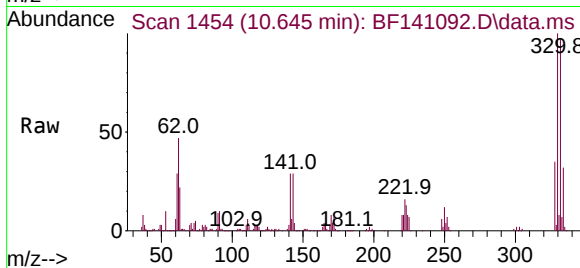
Acq: 08 Jan 2025 18:57

Instrument :

BNA_F

ClientSampleId :

GREENBROOK-COMP



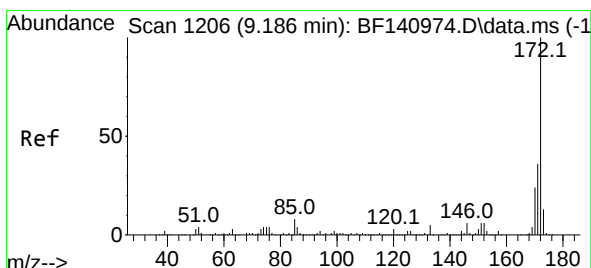
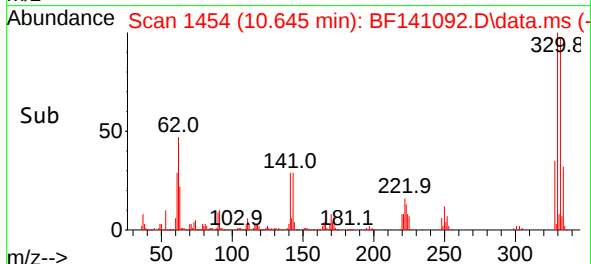
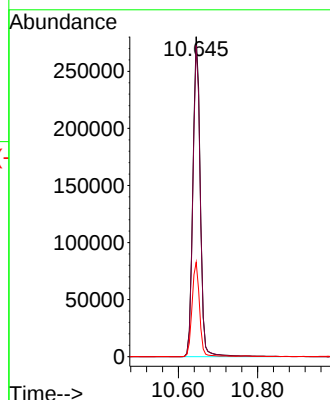
Tgt Ion:330 Resp: 363624

Ion Ratio Lower Upper

330 100

332 96.9 78.0 117.0

141 30.0 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 66.047 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

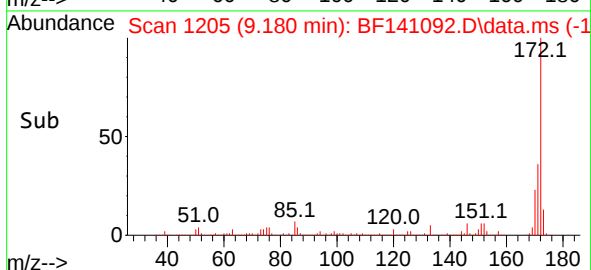
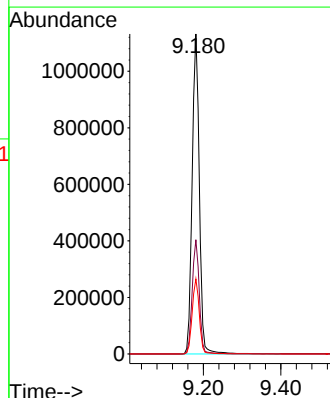
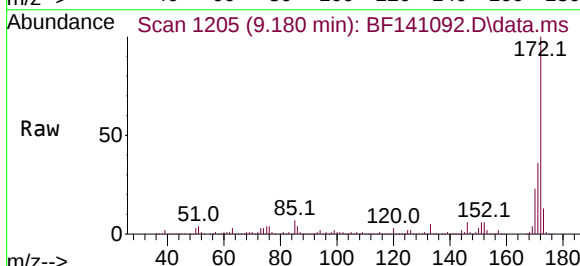
Tgt Ion:172 Resp: 1458077

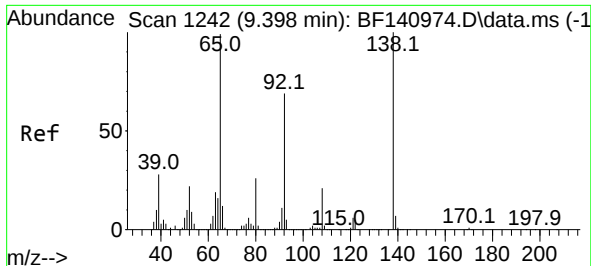
Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 23.5 19.6 29.4





#48

2-Nitroaniline

Concen: 5.009 ng

RT: 9.180 min Scan# 11

Delta R.T. -0.218 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

Instrument :

BNA_F

ClientSampleId :

GREENBROOK-COMP

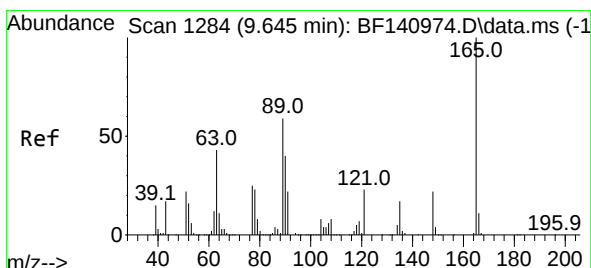
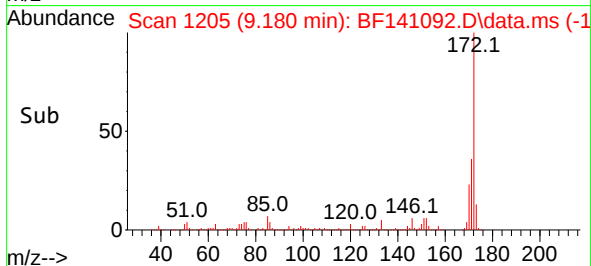
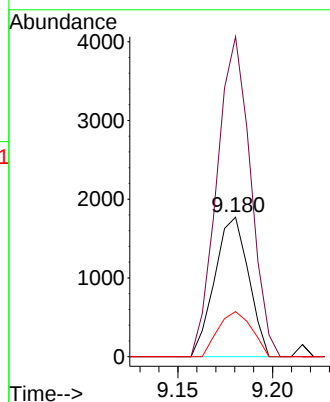
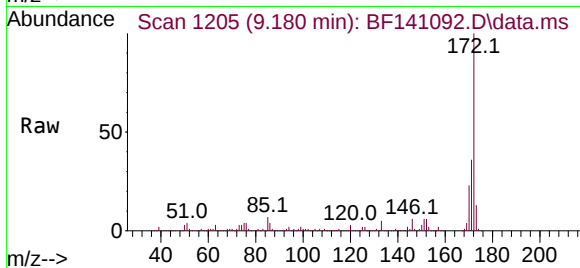
Tgt Ion: 65 Resp: 2206

Ion Ratio Lower Upper

65 100

92 229.3 55.6 83.4#

138 32.4 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.651 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

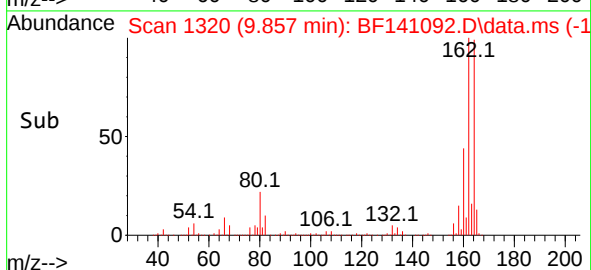
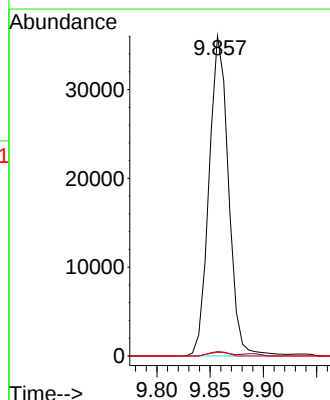
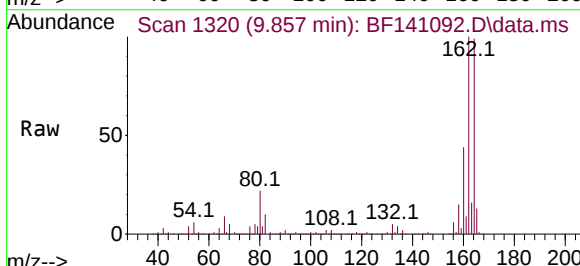
Tgt Ion: 165 Resp: 45943

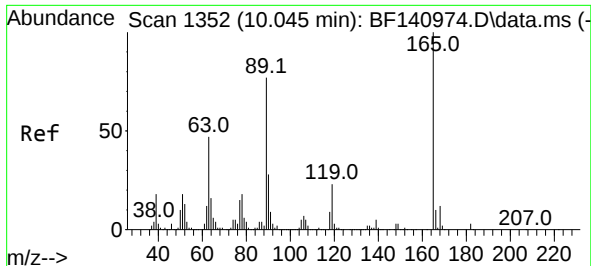
Ion Ratio Lower Upper

165 100

63 1.4 47.1 70.7#

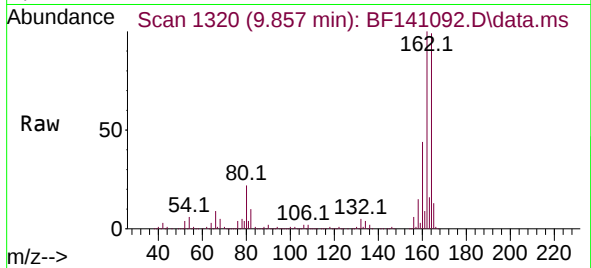
89 1.1 47.0 70.4#



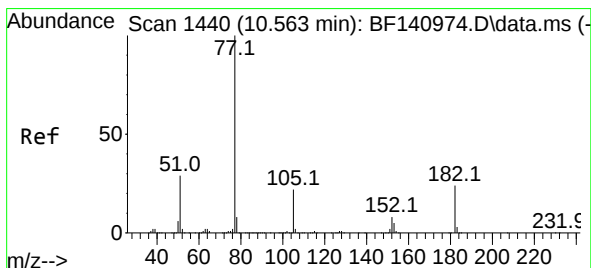
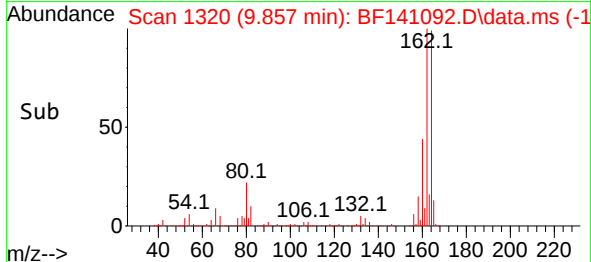
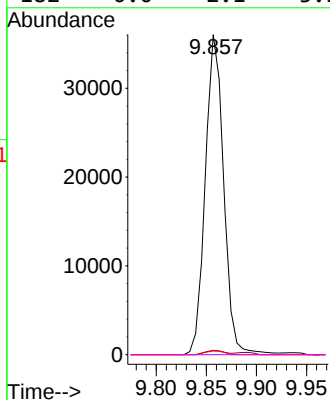


#57
2,4-Dinitrotoluene
Concen: 11.720 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

Instrument :
BNA_F
ClientSampleId :
GREENBROOK-COMP

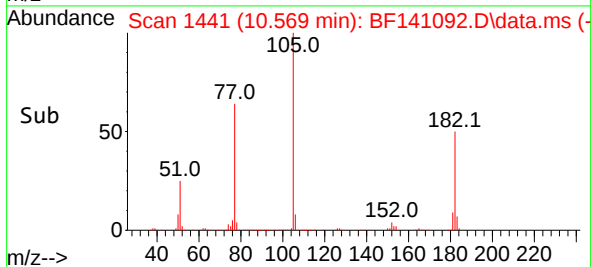
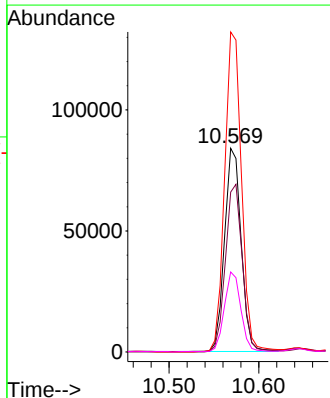
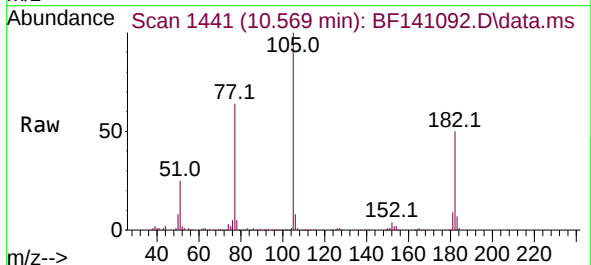


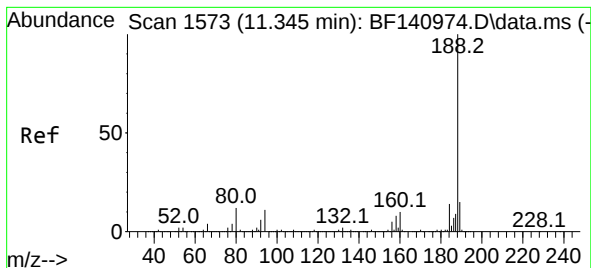
Tgt Ion:165 Resp: 46000
Ion Ratio Lower Upper
165 100
63 1.4 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 4.508 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

Tgt Ion: 77 Resp: 108076
Ion Ratio Lower Upper
77 100
182 78.5 4.1 44.1#
105 157.1 1.8 41.8#
51 39.3 9.7 49.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

Instrument :

BNA_F

ClientSampleId :

GREENBROOK-COMP

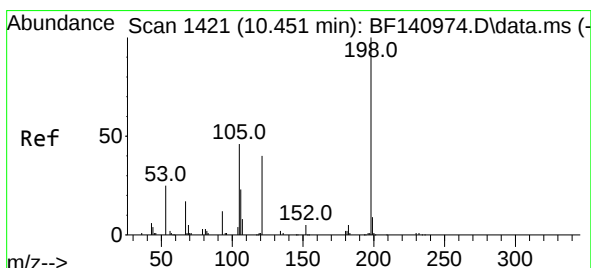
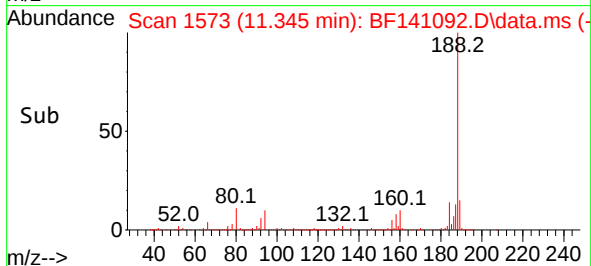
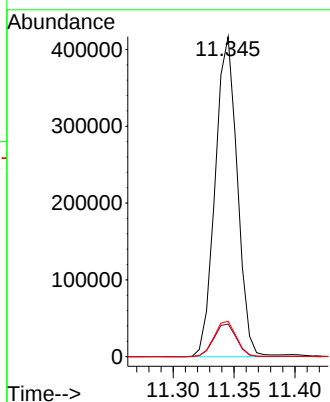
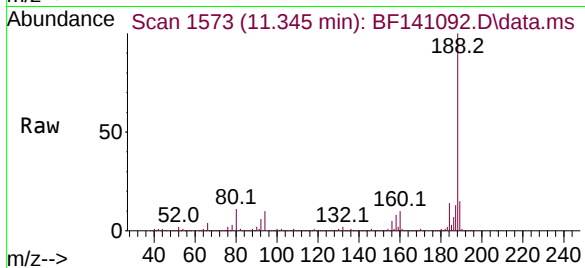
Tgt Ion:188 Resp: 526160

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.6

80 11.0 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.652 ng

RT: 10.645 min Scan# 1454

Delta R.T. 0.194 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

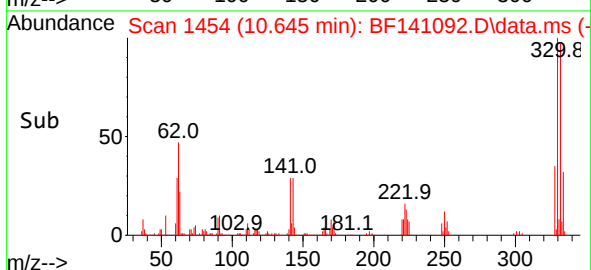
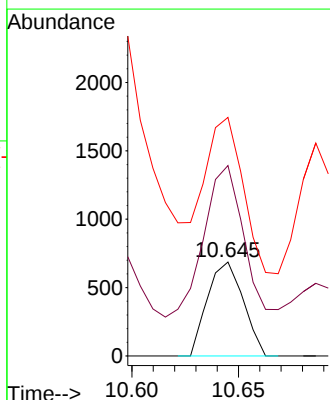
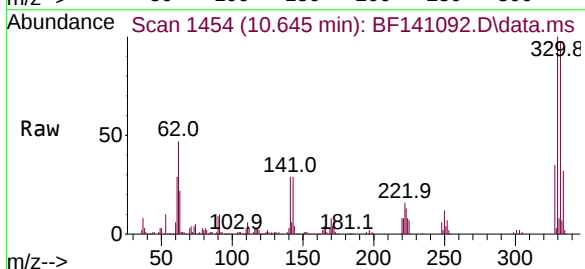
Tgt Ion:198 Resp: 803

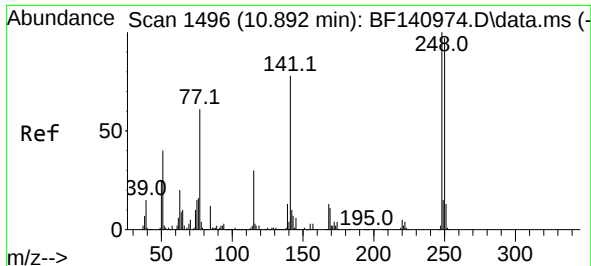
Ion Ratio Lower Upper

198 100

51 202.6 32.3 72.3#

105 254.0 28.4 68.4#

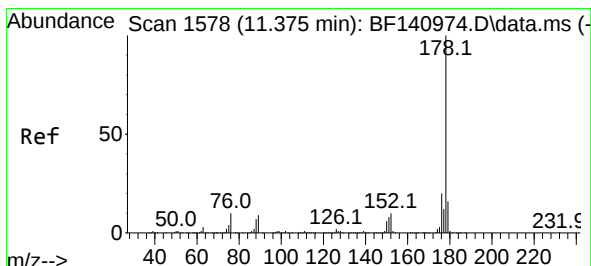
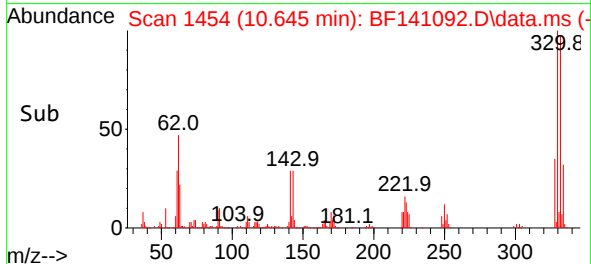
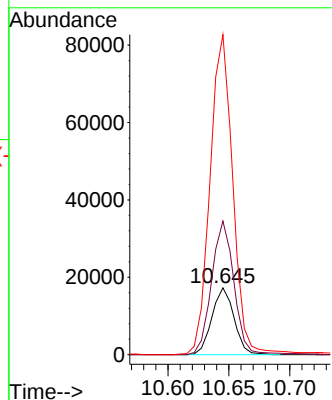
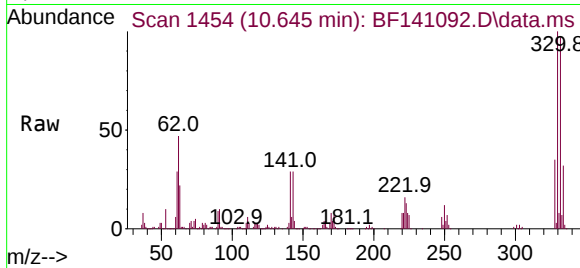




#67
4-Bromophenyl-phenylether
Concen: 3.850 ng
RT: 10.645 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

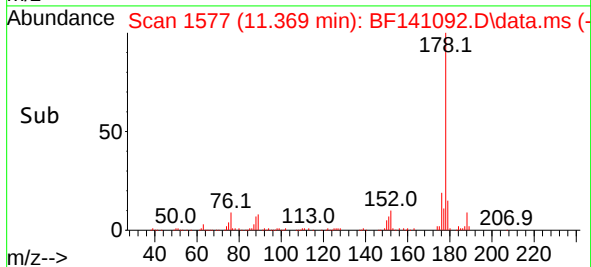
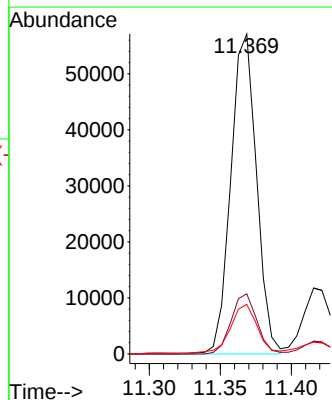
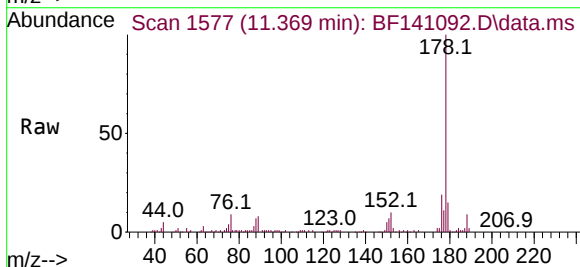
Instrument :
BNA_F
ClientSampleId :
GREENBROOK-COMP

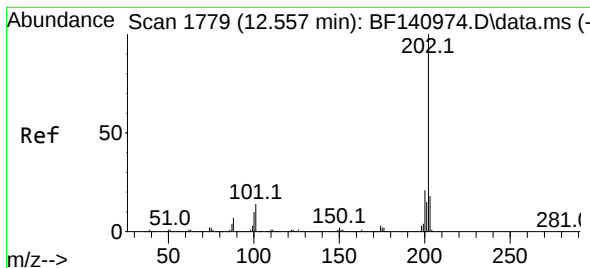
Tgt Ion:248 Resp: 21900
Ion Ratio Lower Upper
248 100
250 199.4 77.7 116.5#
141 477.9 62.1 93.1#



#71
Phenanthrene
Concen: 2.598 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

Tgt Ion:178 Resp: 71943
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.5 12.6 19.0





#75

Fluoranthene

Concen: 4.655 ng

RT: 12.557 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

Instrument :

BNA_F

ClientSampleId :

GREENBROOK-COMP

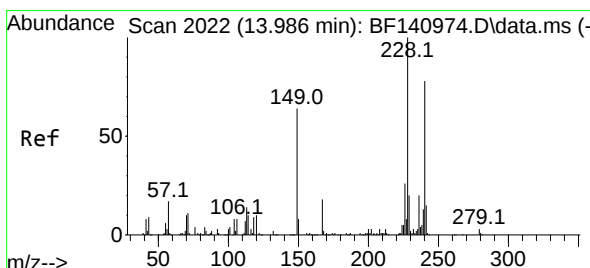
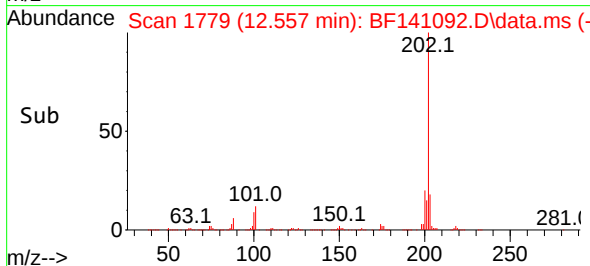
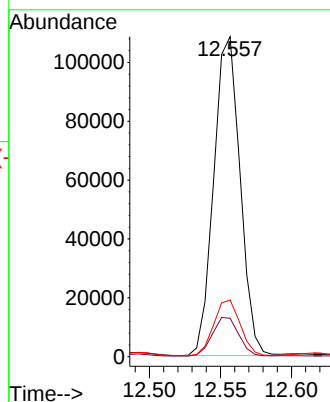
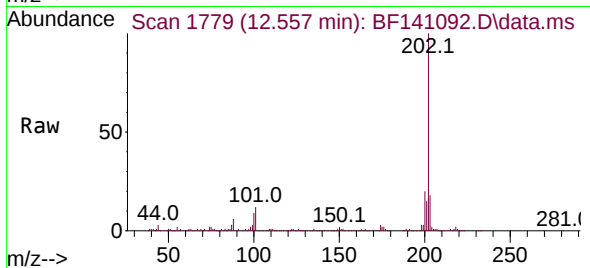
Tgt Ion:202 Resp: 139811

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.7

203 17.7 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

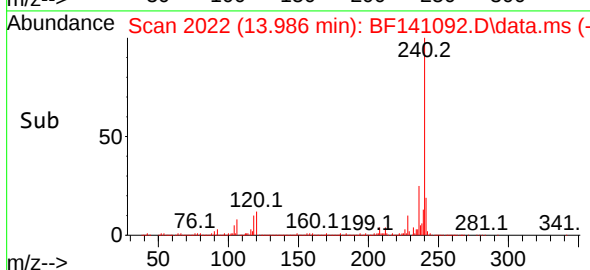
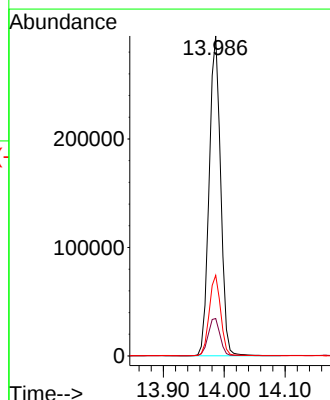
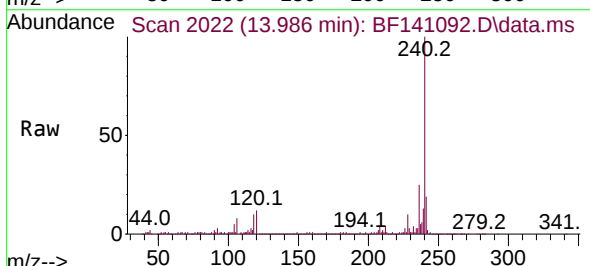
Tgt Ion:240 Resp: 385549

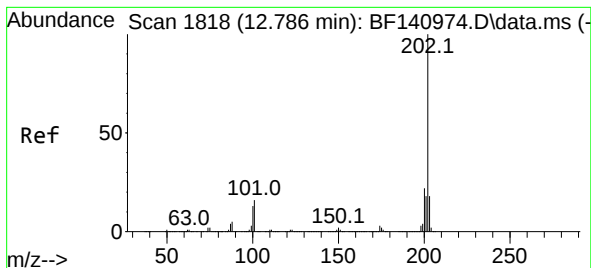
Ion Ratio Lower Upper

240 100

120 11.7 10.7 16.1

236 25.2 20.6 31.0





#78

Pyrene

Concen: 5.120 ng

RT: 12.786 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

Instrument :

BNA_F

ClientSampleId :

GREENBROOK-COMP

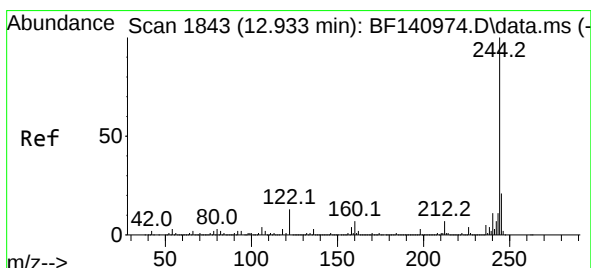
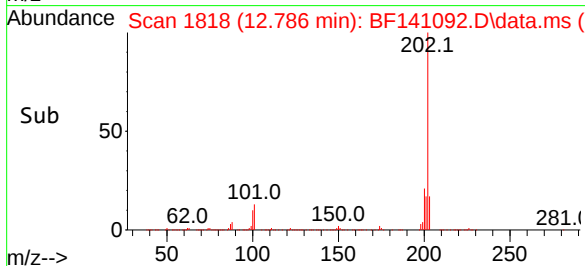
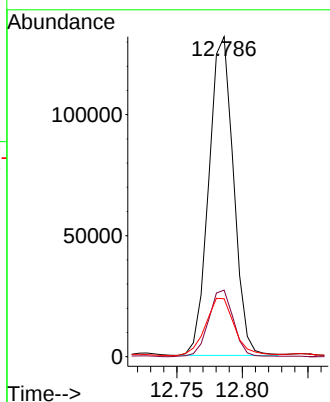
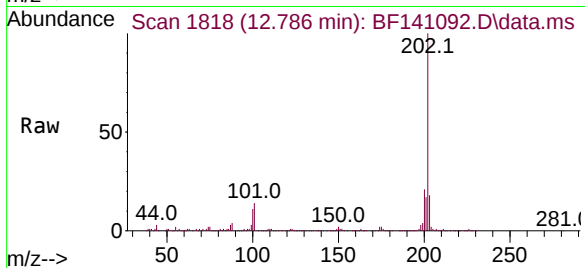
Tgt Ion:202 Resp: 172645

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 18.1 14.6 21.8



#79

Terphenyl-d14

Concen: 53.187 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

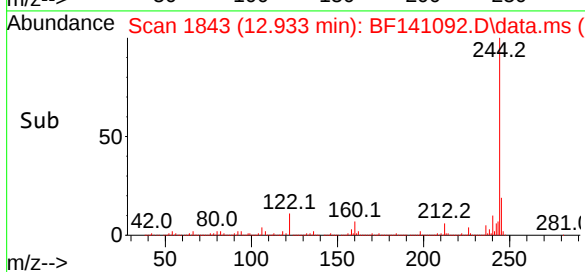
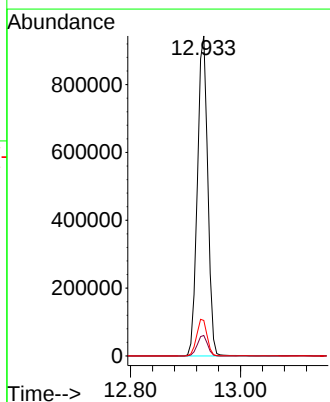
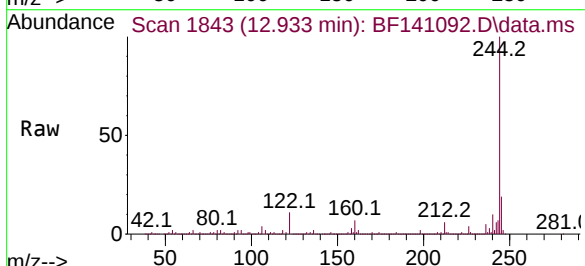
Tgt Ion:244 Resp: 1234576

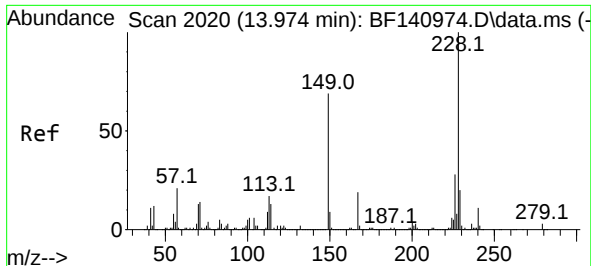
Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

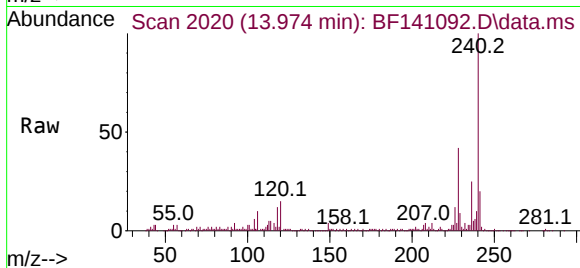
122 11.1 10.2 15.2



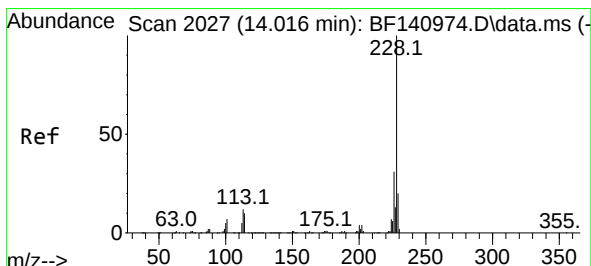
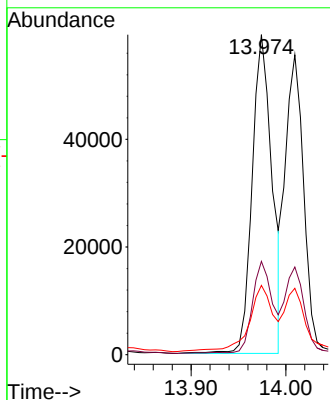
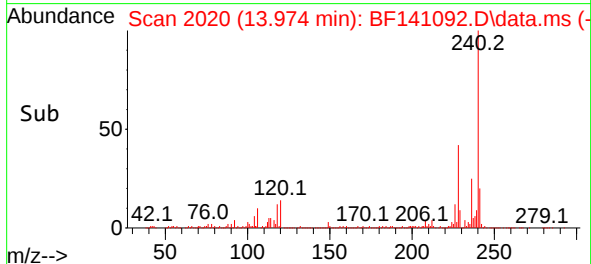


#81
Benzo(a)anthracene
Concen: 3.225 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

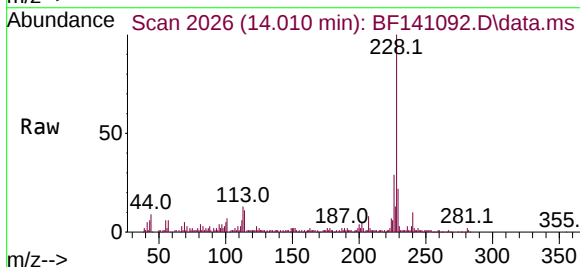
Instrument :
BNA_F
ClientSampleId :
GREENBROOK-COMP



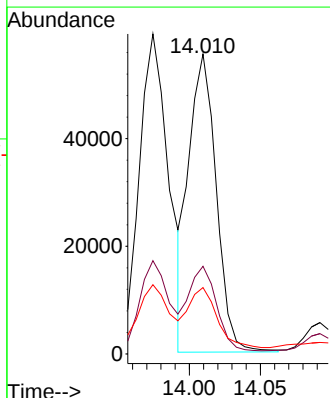
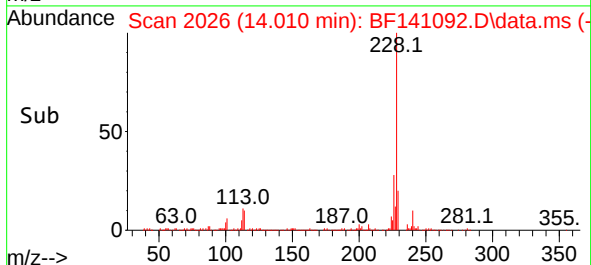
Tgt Ion:228 Resp: 86657
Ion Ratio Lower Upper
228 100
226 29.2 22.1 33.1
229 21.6 16.2 24.2

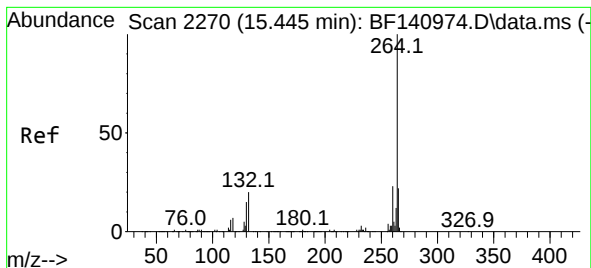


#83
Chrysene
Concen: 3.071 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57



Tgt Ion:228 Resp: 74389
Ion Ratio Lower Upper
228 100
226 29.3 24.5 36.7
229 22.1 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

Instrument :

BNA_F

ClientSampleId :

GREENBROOK-COMP

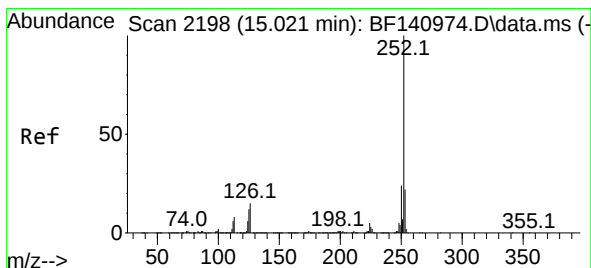
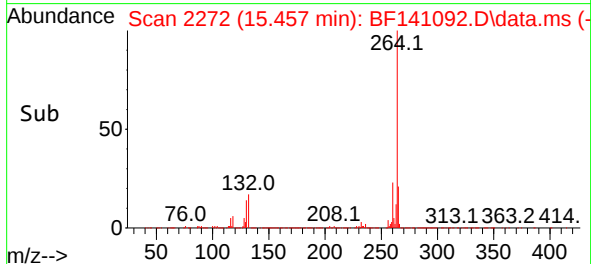
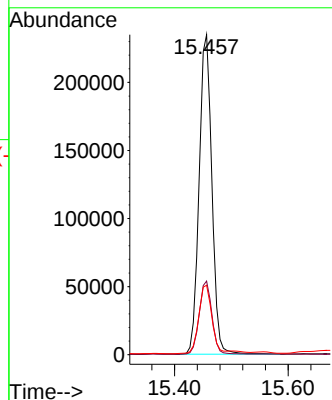
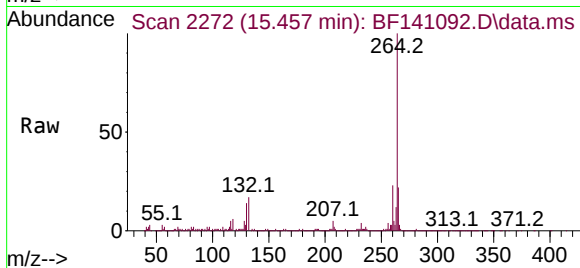
Tgt Ion:264 Resp: 366102

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 21.7 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.462 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

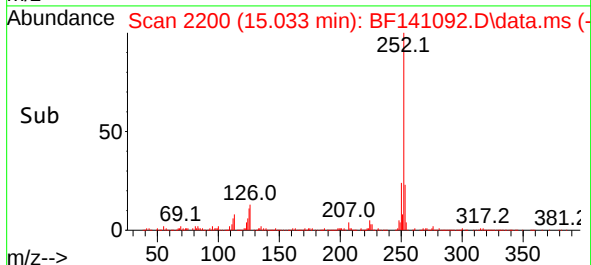
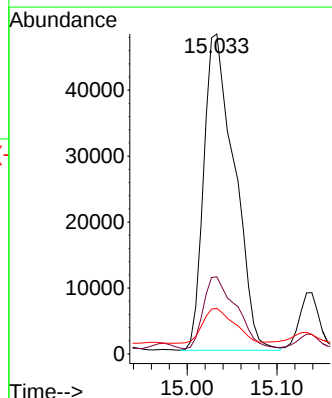
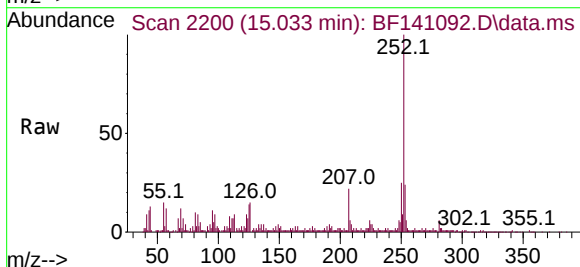
Tgt Ion:252 Resp: 113920

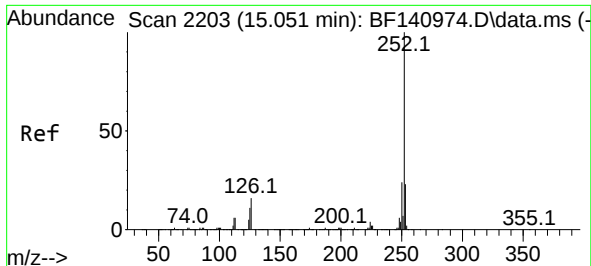
Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 14.3 9.3 13.9#





#89

Benzo(k)fluoranthene

Concen: 5.693 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

Instrument :

BNA_F

ClientSampleId :

GREENBROOK-COMP

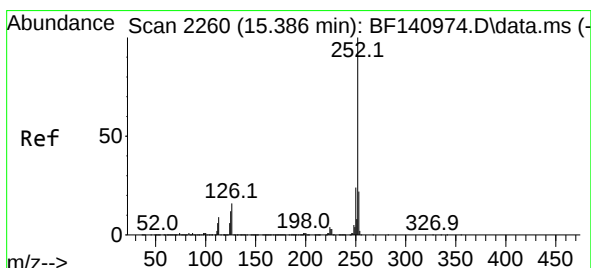
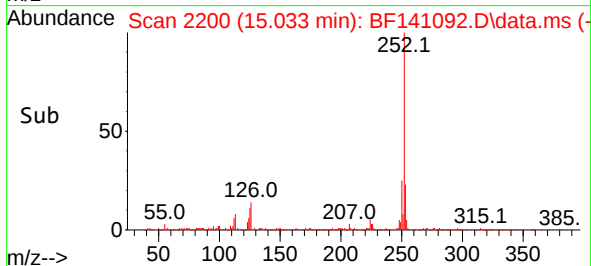
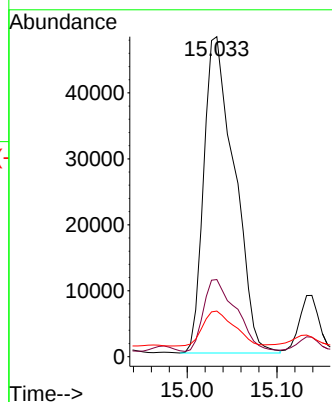
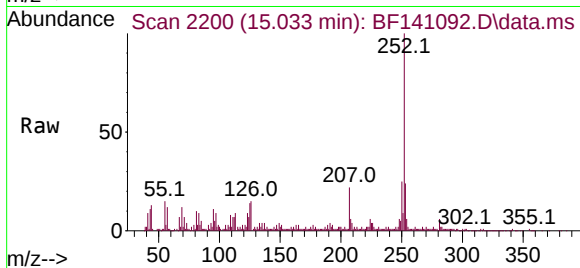
Tgt Ion:252 Resp: 113920

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

125 14.3 9.4 14.0#



#90

Benzo(a)pyrene

Concen: 3.435 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

Tgt Ion:252 Resp: 68077

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

125 14.7 9.8 14.8

