

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)

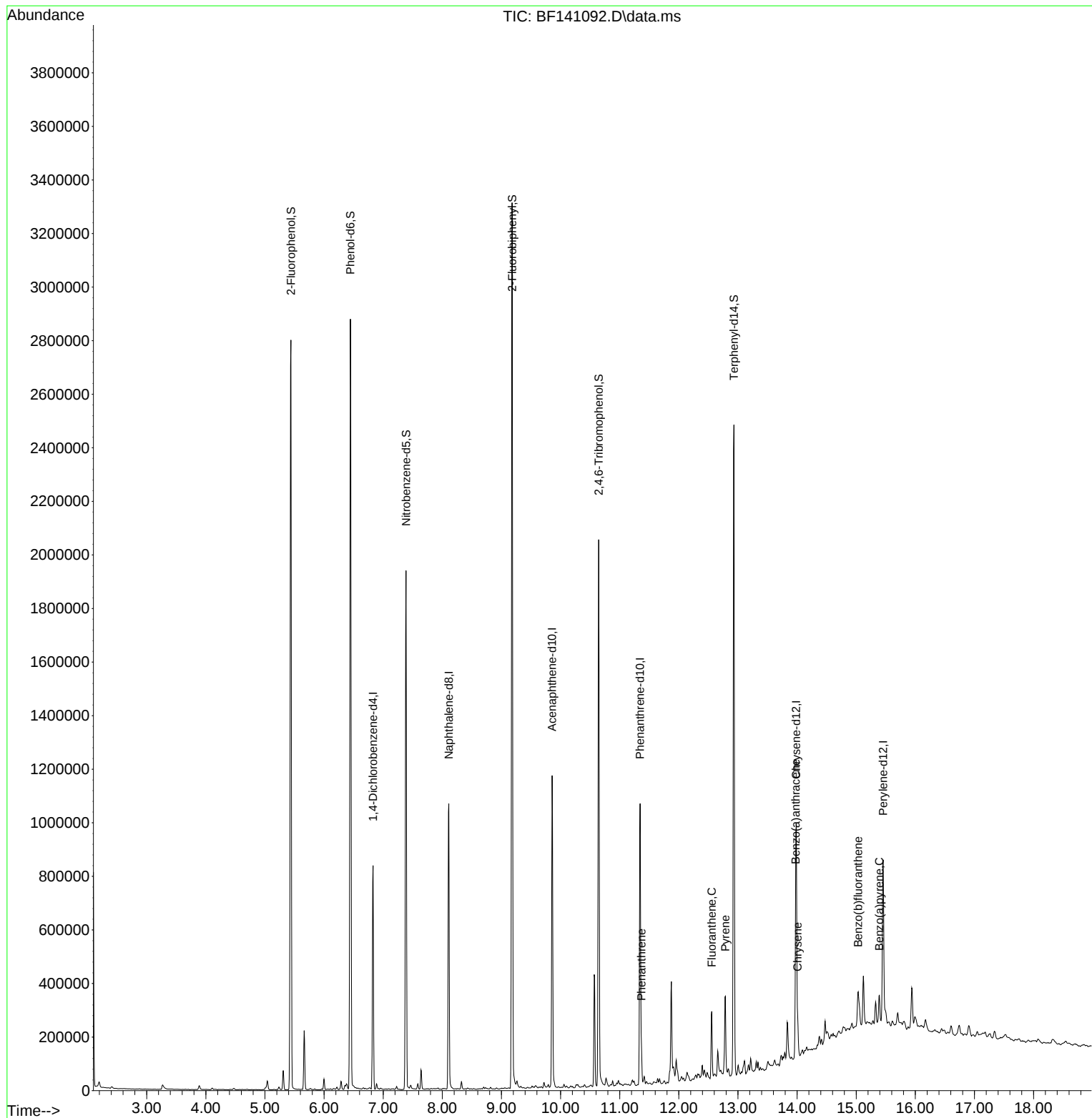
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	174931	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	682944	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	351731	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	526160	20.000	ng	0.00
76) Chrysene-d12	13.986	240	385549	20.000	ng	0.00
86) Perylene-d12	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
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	82838m	3.244	ng	
90) Benzo(a)pyrene	15.392	252	68077	3.435	ng	95

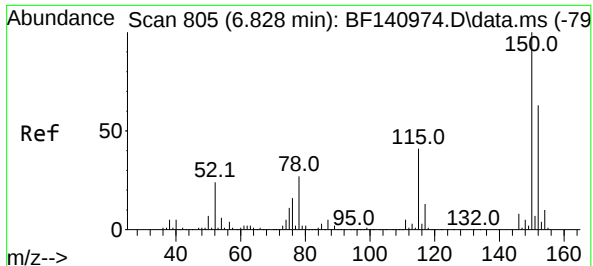
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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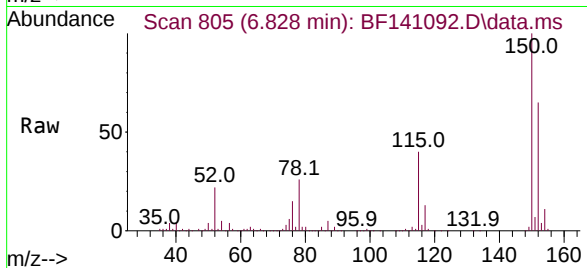
Quant Time: Jan 09 00:03:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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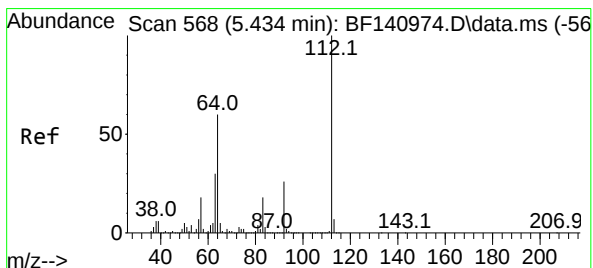
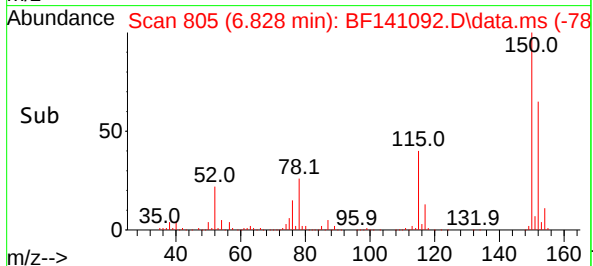
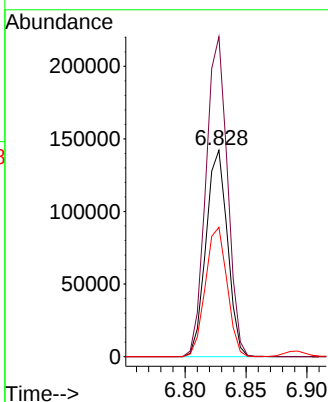


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

Instrument :
BNA_F
ClientSampleId :
GREENBROOK-COMP

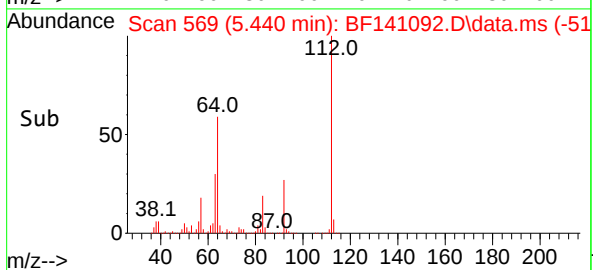
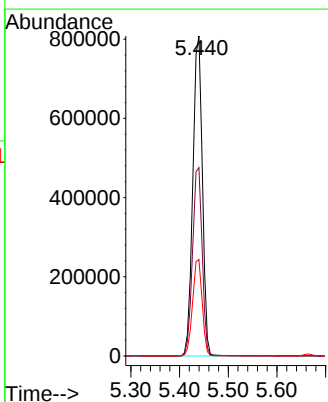
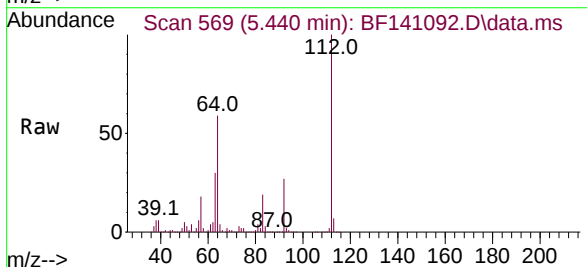


Tgt Ion:152 Resp: 174931
Ion Ratio Lower Upper
152 100
150 155.0 127.0 190.6
115 62.7 51.7 77.5



#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

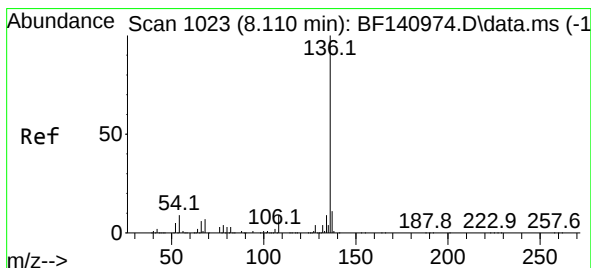
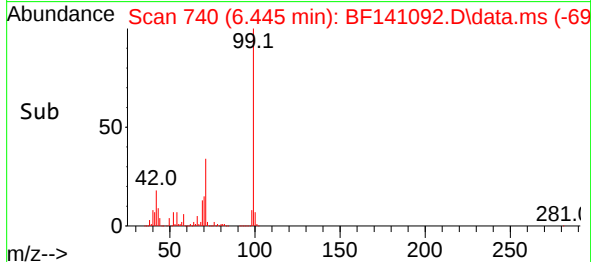
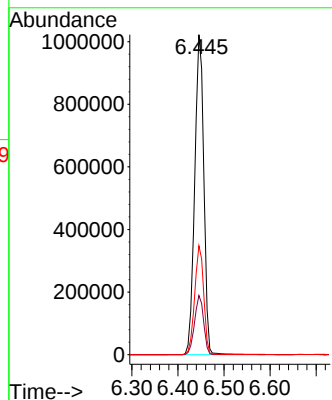
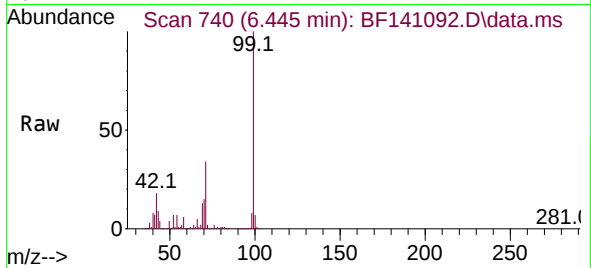




#7
Phenol-d6
Concen: 93.632 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

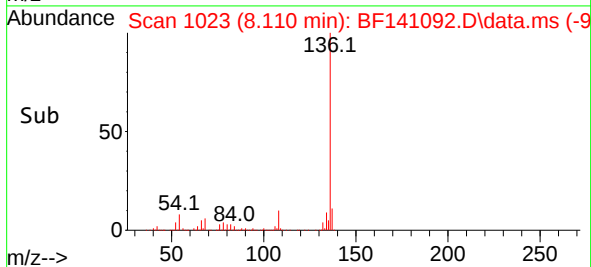
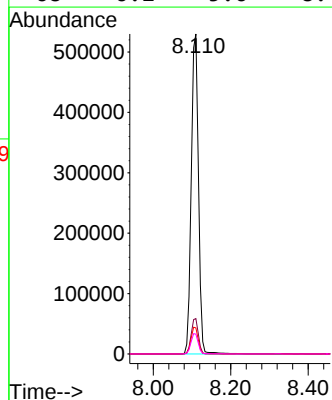
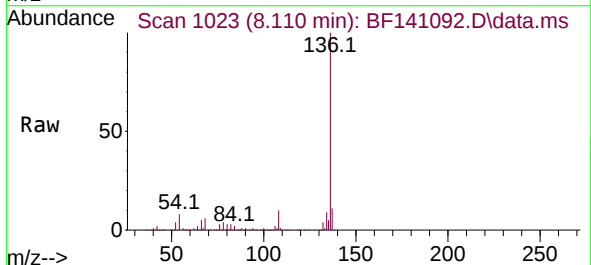
Instrument :
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ClientSampleId :
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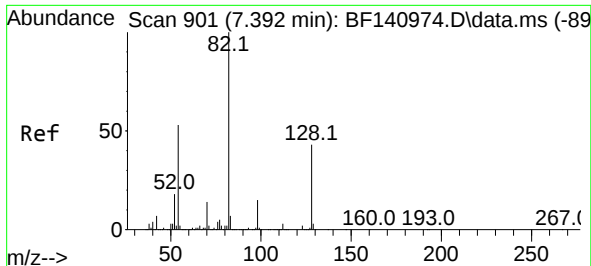
Tgt Ion: 99 Resp: 1399774
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.4
71 34.1 26.2 39.2



#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# 901

Delta R.T. -0.006 min

Lab File: BF141092.D

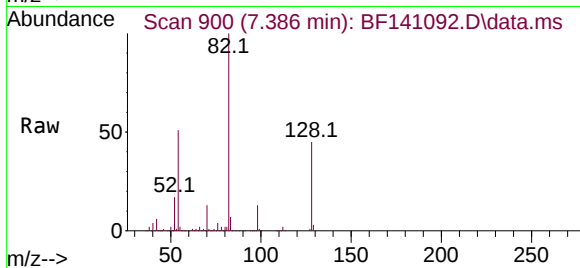
Acq: 08 Jan 2025 18:57

Instrument :

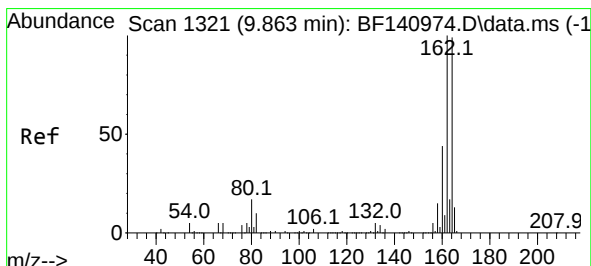
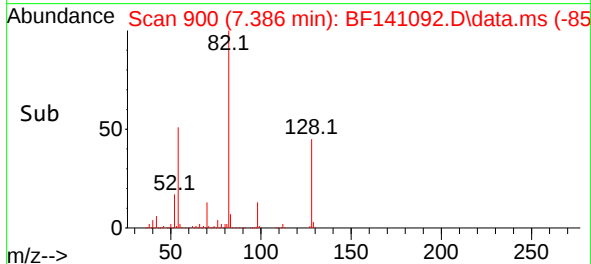
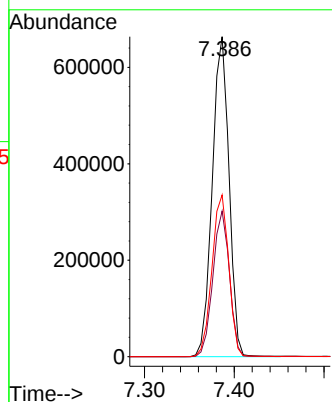
BNA_F

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



#39

Acenaphthene-d10

Concen: 20.000 ng

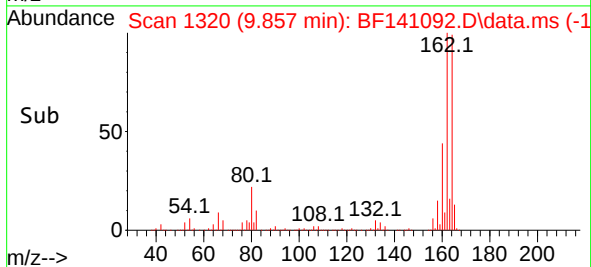
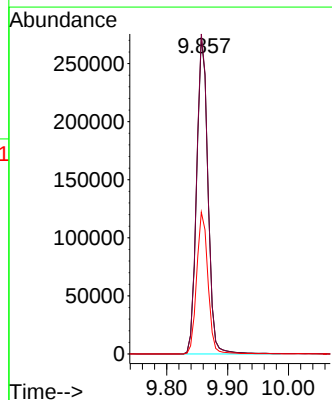
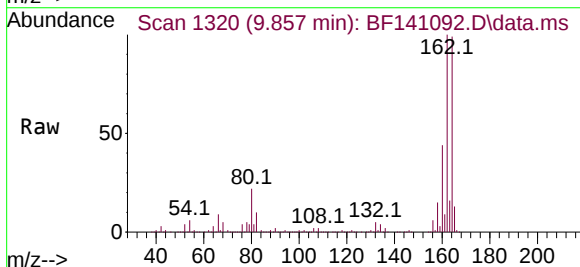
RT: 9.857 min Scan# 1320

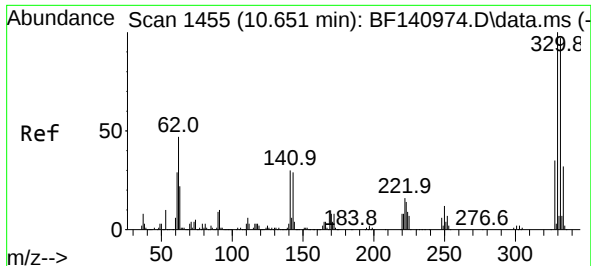
Delta R.T. -0.006 min

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

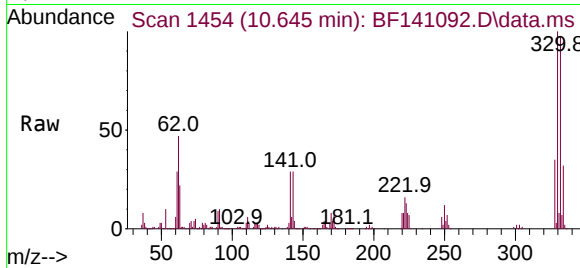
Acq: 08 Jan 2025 18:57

Instrument :

BNA_F

ClientSampleId :

GREENBROOK-COMP



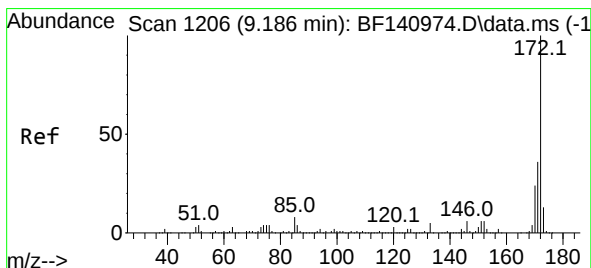
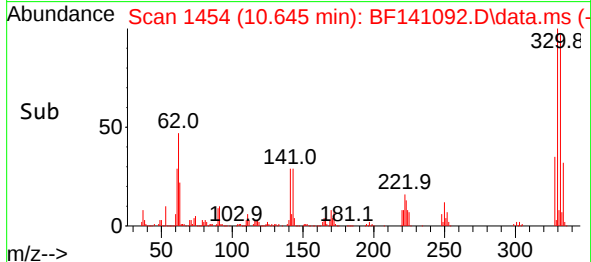
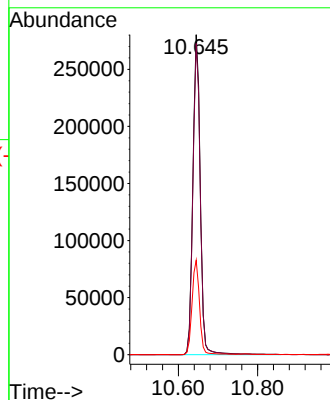
Tgt Ion:330 Resp: 363624

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

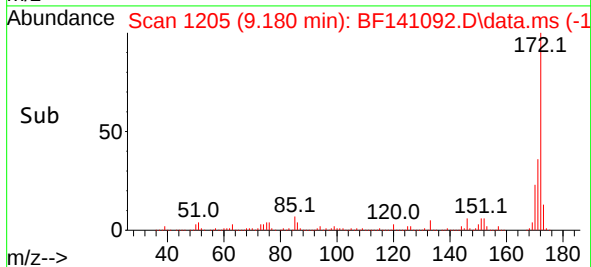
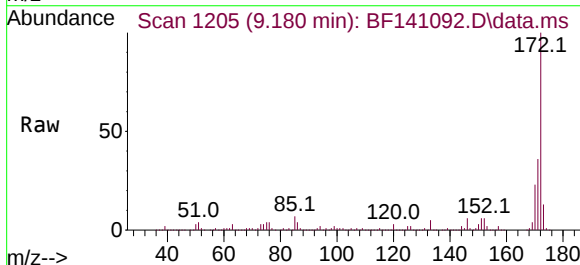
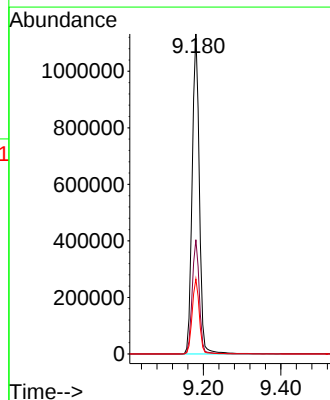
Tgt Ion:172 Resp: 1458077

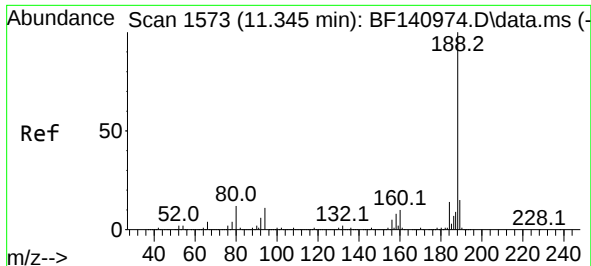
Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 23.5 19.6 29.4

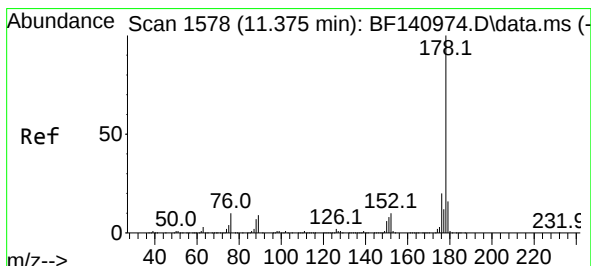
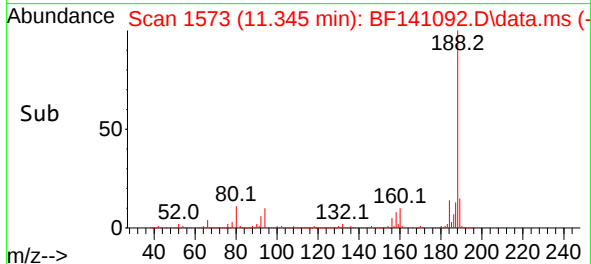
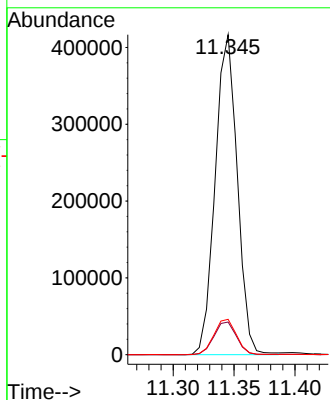
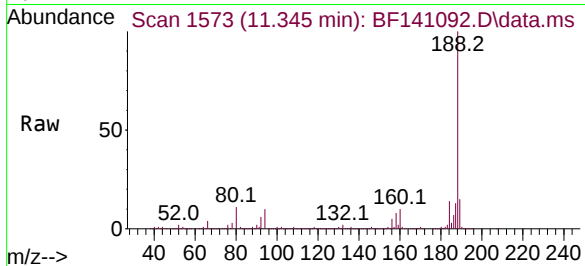




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

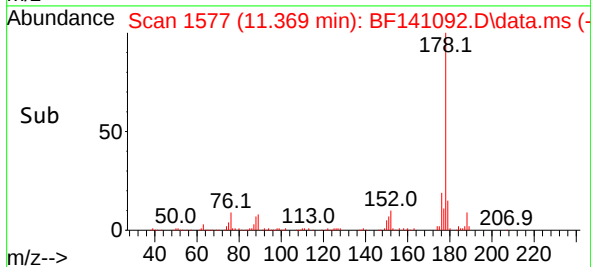
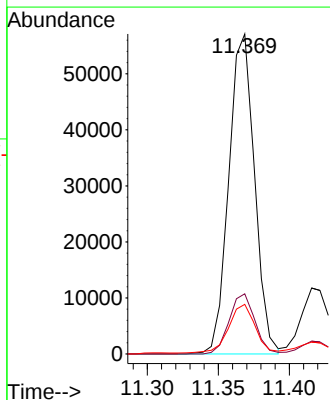
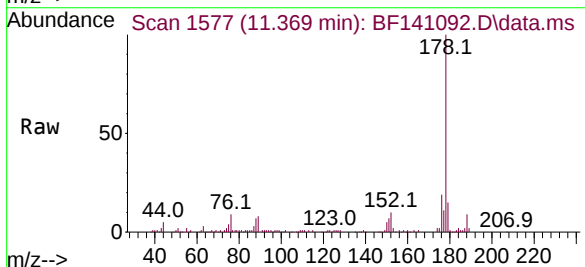
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BNA_F
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GREENBROOK-COMP

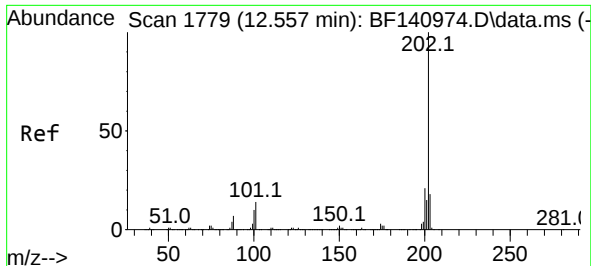
Tgt Ion:188 Resp: 526160
Ion Ratio Lower Upper
188 100
94 10.2 9.0 13.6
80 11.0 9.8 14.6



#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

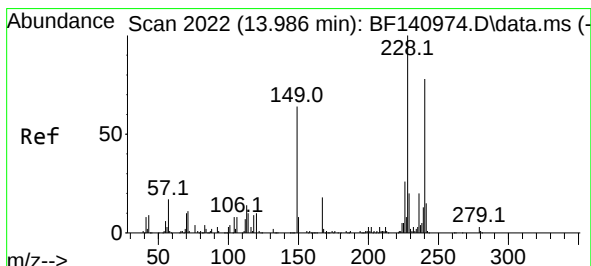
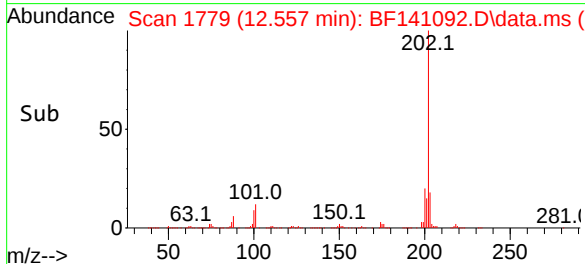
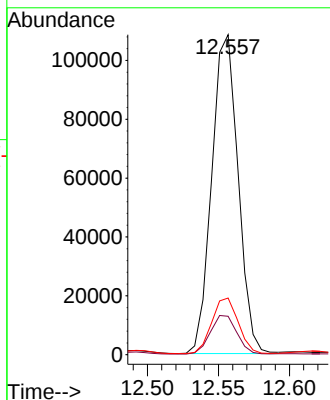
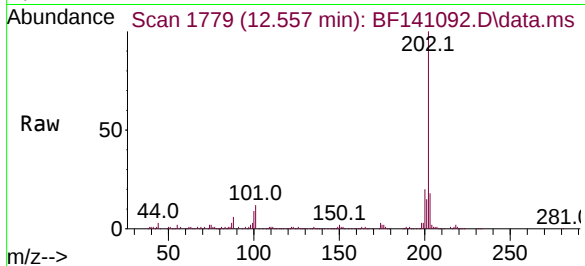




#75
Fluoranthene
Concen: 4.655 ng
RT: 12.557 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

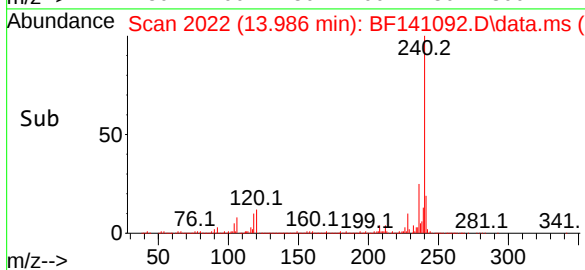
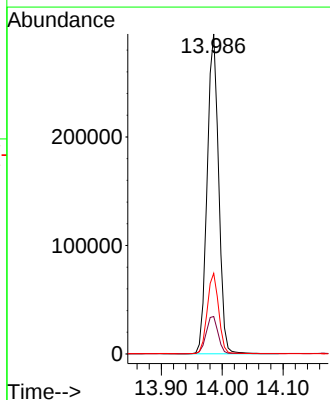
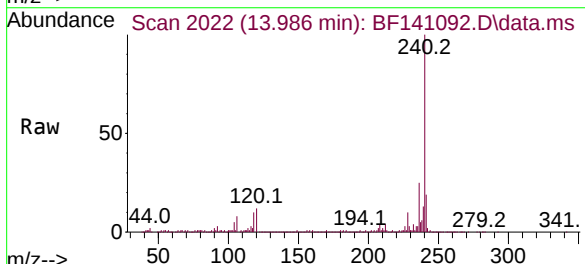
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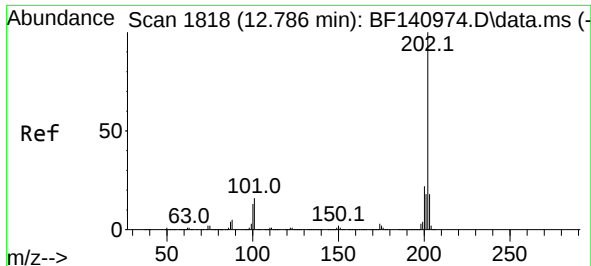
Tgt Ion:202 Resp: 139811
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.7
203 17.7 0.0 38.1



#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

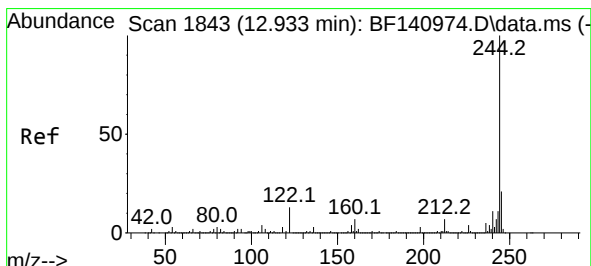
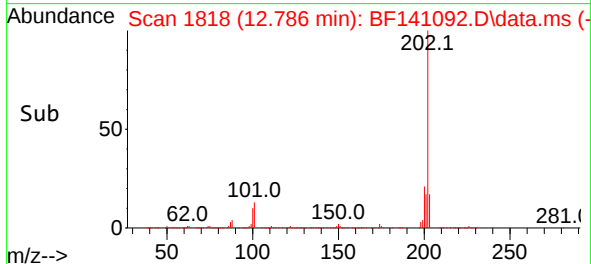
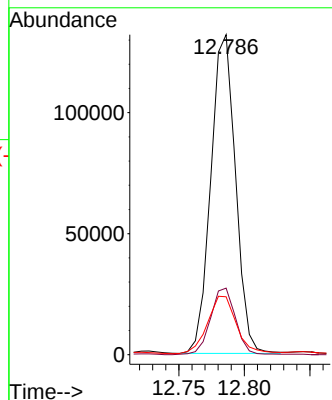
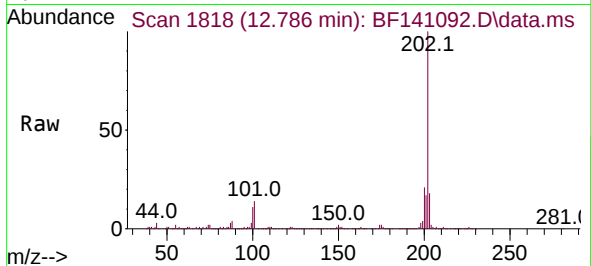




#78
 Pyrene
 Concen: 5.120 ng
 RT: 12.786 min Scan# 1818
 Delta R.T. -0.000 min
 Lab File: BF141092.D
 Acq: 08 Jan 2025 18:57

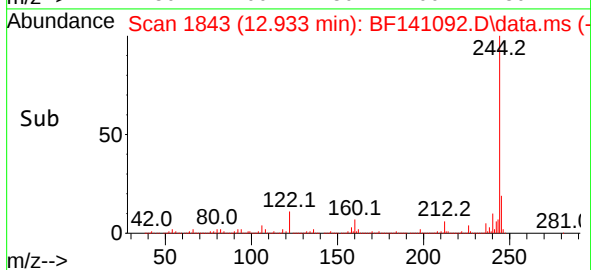
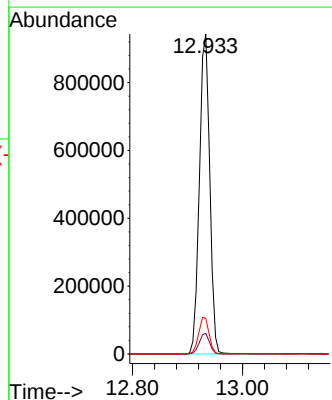
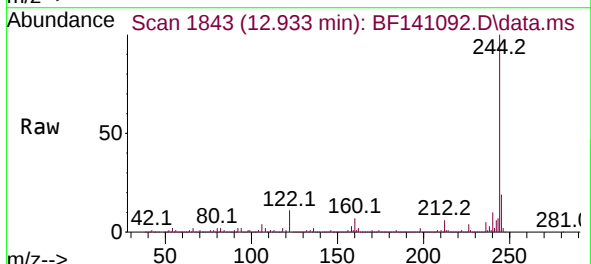
Instrument :
 BNA_F
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 GREENBROOK-COMP

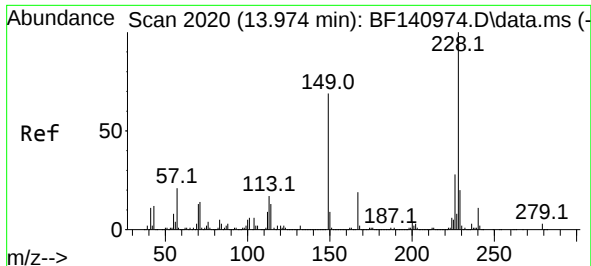
Tgt Ion:202 Resp: 172645
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.3 25.9
 203 18.1 14.6 21.8



#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

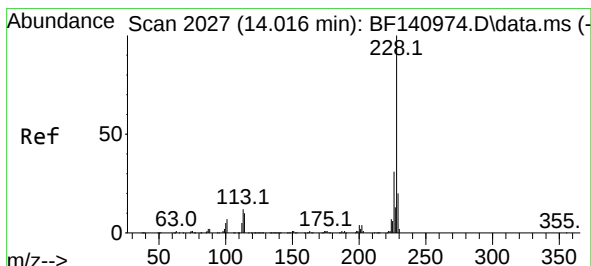
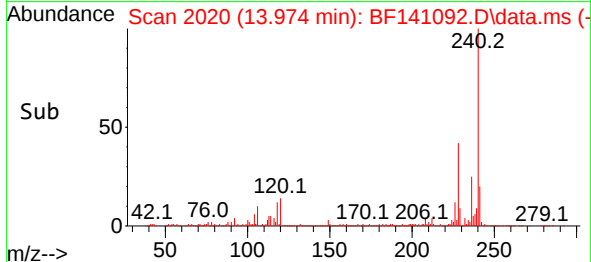
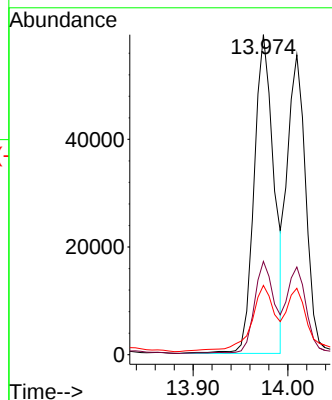
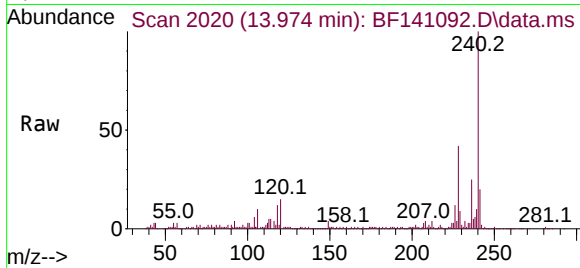




#81
Benzo(a)anthracene
Concen: 3.225 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

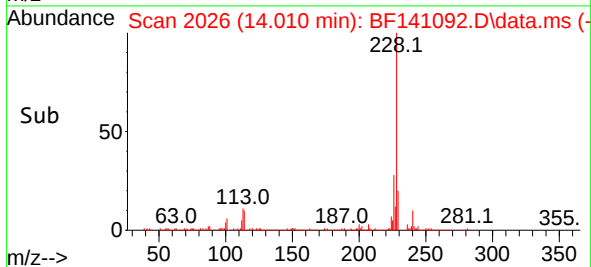
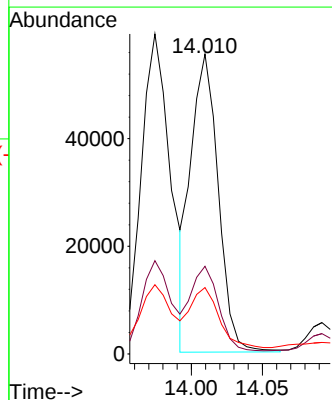
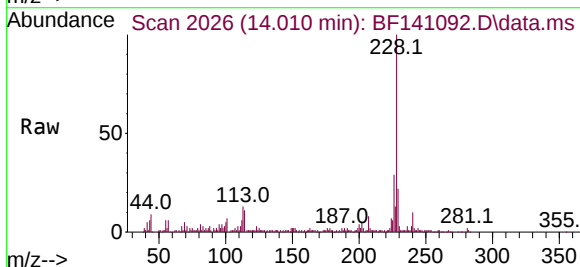
Instrument :
BNA_F
ClientSampleId :
GREENBROOK-COMP

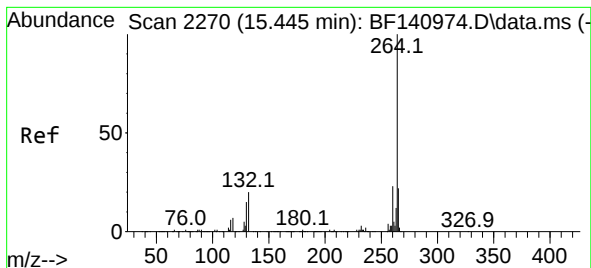
Tgt Ion:228 Resp: 86657
Ion Ratio Lower Upper
228 100
226 29.2 22.1 33.1
229 21.6 16.2 24.2



#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

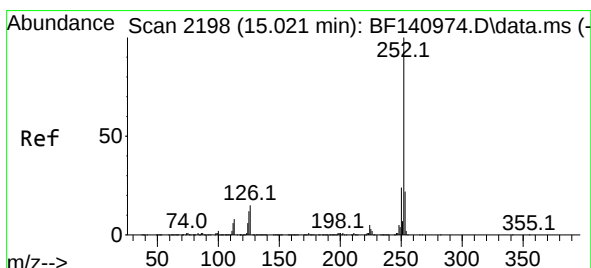
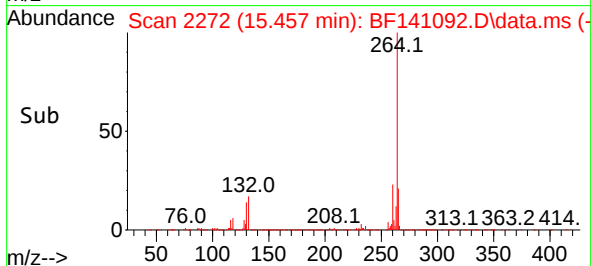
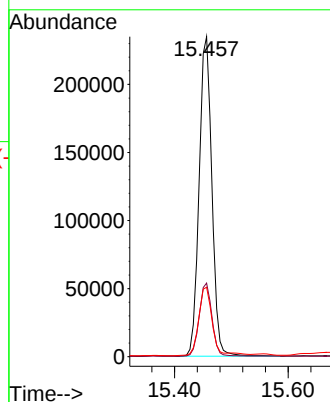
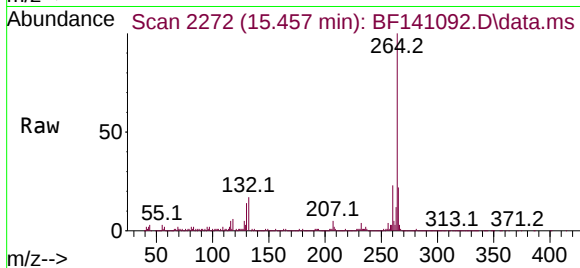
Tgt Ion:264 Resp: 366102

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: 3.244 ng m

RT: 15.033 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF141092.D

Acq: 08 Jan 2025 18:57

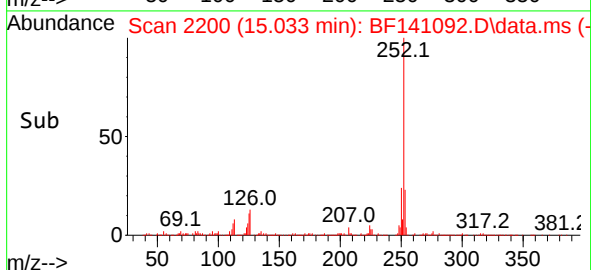
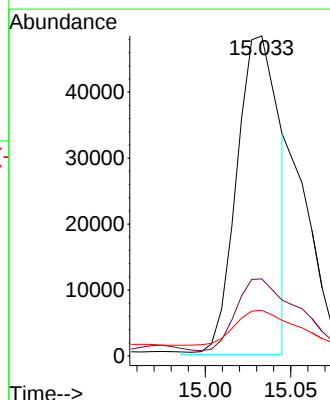
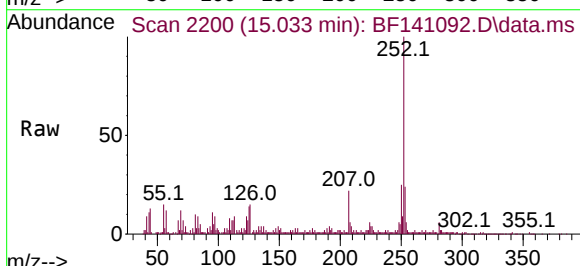
Tgt Ion:252 Resp: 82838

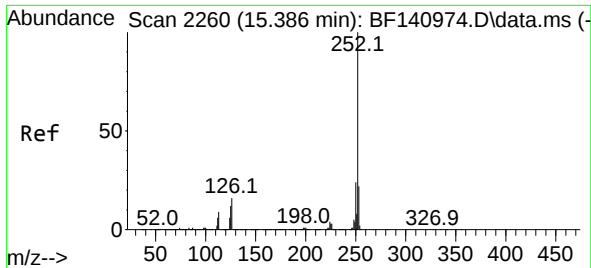
Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

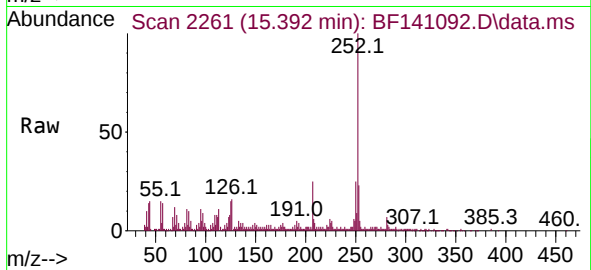
125 14.3 9.3 13.9#





#90
Benzo(a)pyrene
Concen: 3.435 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141092.D
Acq: 08 Jan 2025 18:57

Instrument :
BNA_F
ClientSampleId :
GREENBROOK-COMP



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

