

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135972.D
 Acq On : 26 Oct 2023 19:52
 Operator : CG\JU
 Sample : 04685-03DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B4A-7.5-15DL

Quant Time: Oct 27 01:19:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

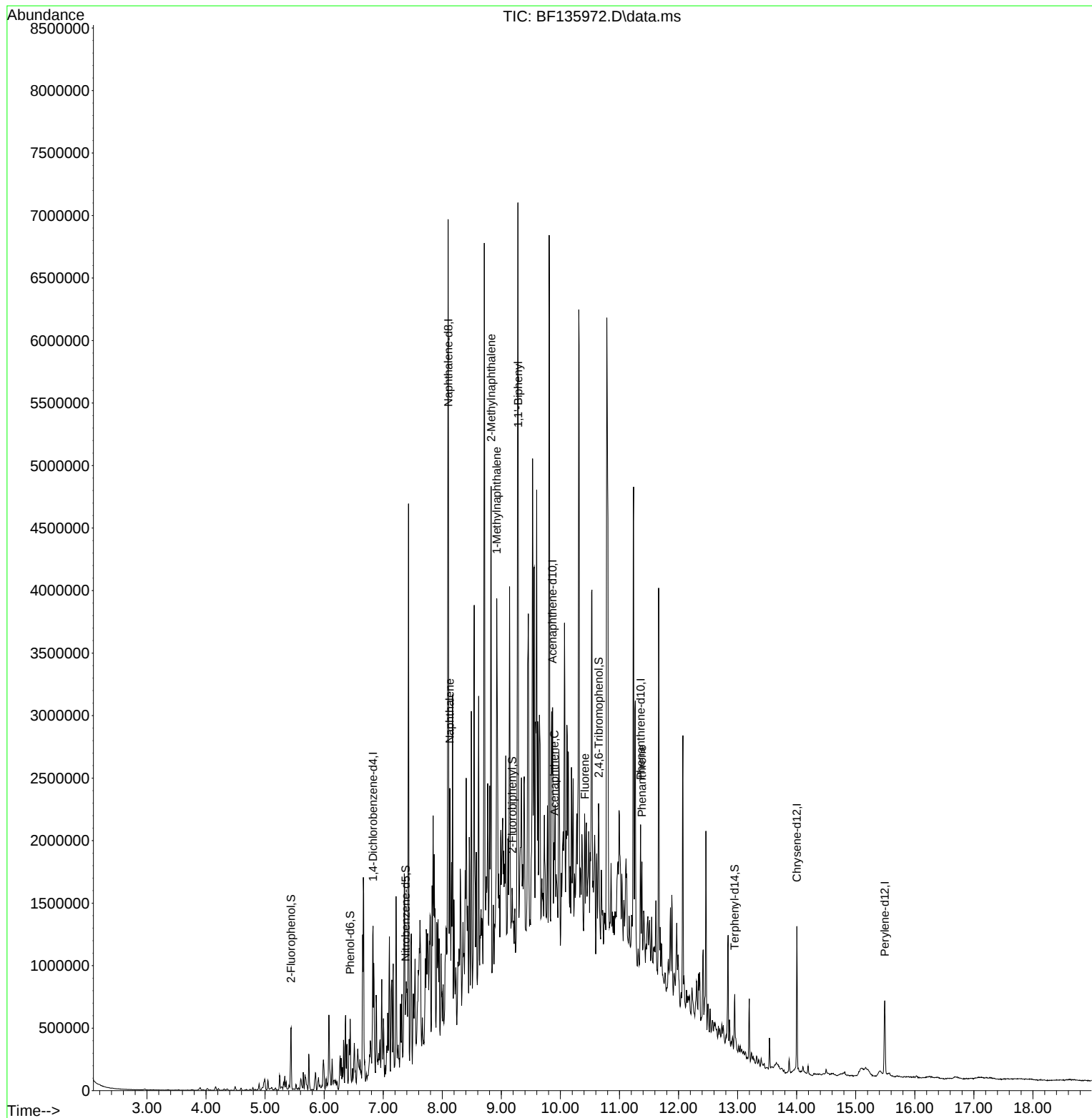
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	159064	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	532973	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	272789	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	412430	20.000	ng	0.00
76) Chrysene-d12	14.004	240	347495	20.000	ng	0.00
86) Perylene-d12	15.492	264	274359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	104265	10.122	ng	-0.01
7) Phenol-d6	6.440	99	132725	10.349	ng	-0.02
23) Nitrobenzene-d5	7.381	82	79757	18.339	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	17665	7.398	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	144273	8.469	ng	0.00
79) Terphenyl-d14	12.951	244	131518	6.323	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.128	128	384356	14.916	ng	# 96
37) 2-Methylnaphthalene	8.828	142	1078241	63.244	ng	99
38) 1-Methylnaphthalene	8.922	142	661494	41.523	ng	100
46) 1,1'-Biphenyl	9.286	154	128129	6.199	ng	98
52) Acenaphthene	9.898	154	42835	2.771	ng	# 82
58) Fluorene	10.416	166	106679	6.385	ng	# 89
71) Phenanthrene	11.380	178	264412	12.672	ng	96

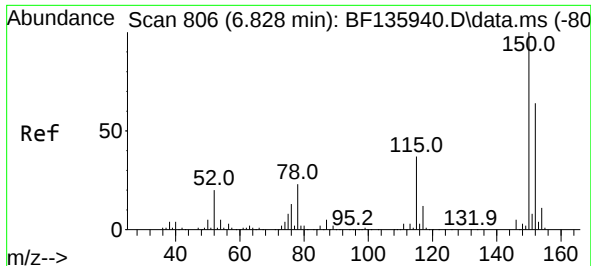
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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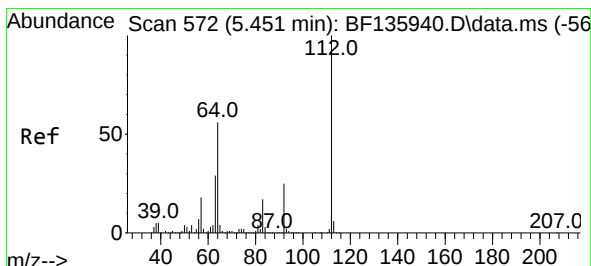
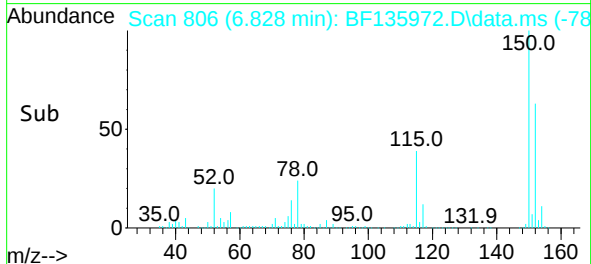
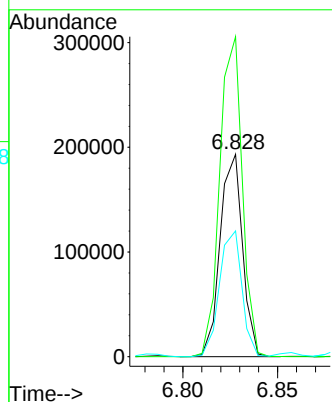
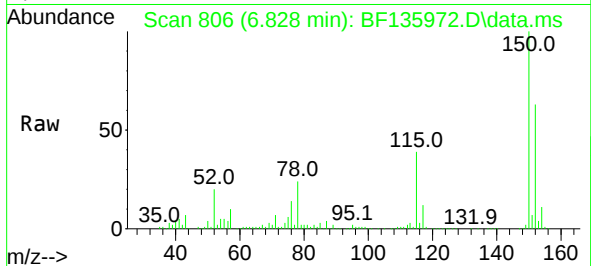




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF135972.D
 Acq: 26 Oct 2023 19:52

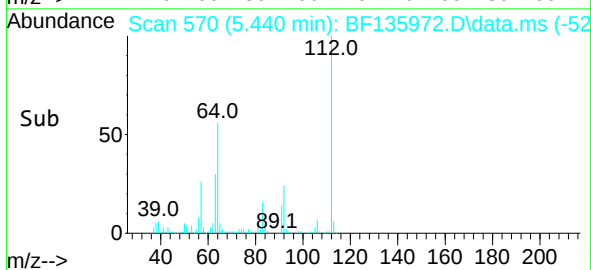
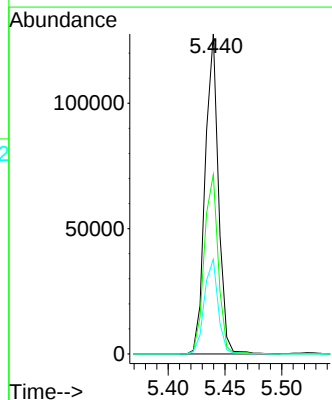
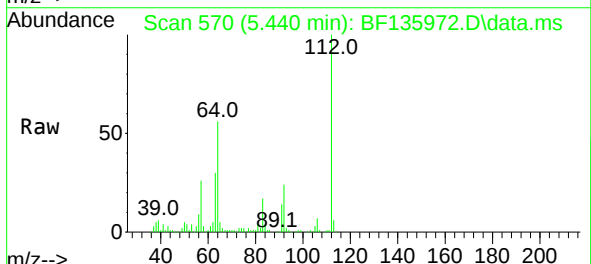
Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B4A-7.5-15DL

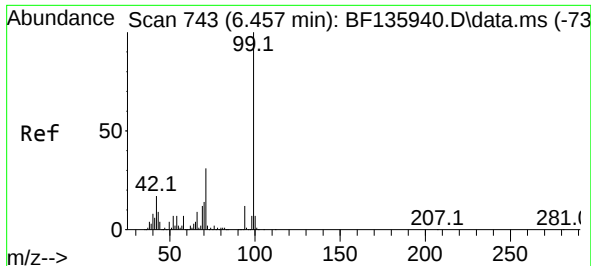
Tgt Ion:152 Resp: 159064
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.6 186.8
 115 62.1 46.6 69.8



#5
 2-Fluorophenol
 Concen: 10.122 ng
 RT: 5.440 min Scan# 570
 Delta R.T. -0.012 min
 Lab File: BF135972.D
 Acq: 26 Oct 2023 19:52

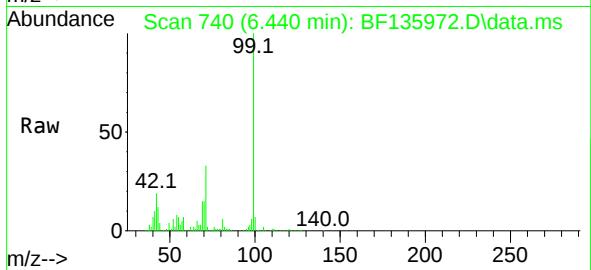
Tgt Ion:112 Resp: 104265
 Ion Ratio Lower Upper
 112 100
 64 56.0 45.1 67.7
 63 29.6 23.0 34.4



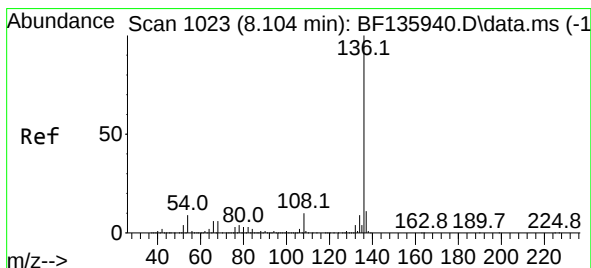
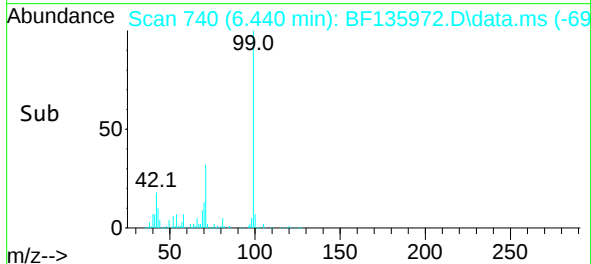
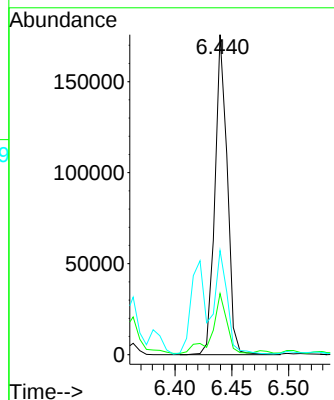


#7
Phenol-d6
Concen: 10.349 ng
RT: 6.440 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF135972.D
Acq: 26 Oct 2023 19:52

Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15DL

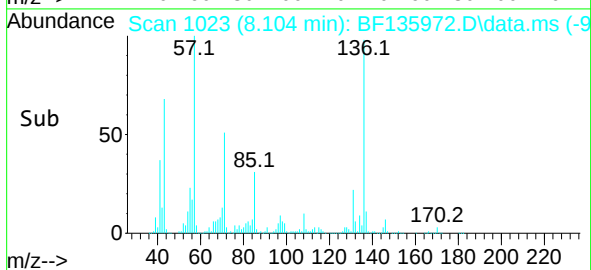
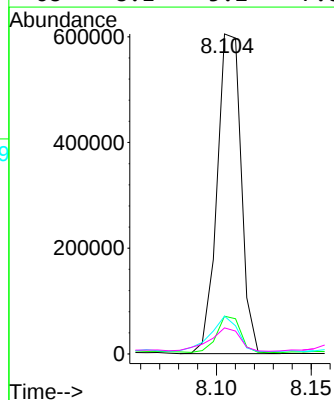
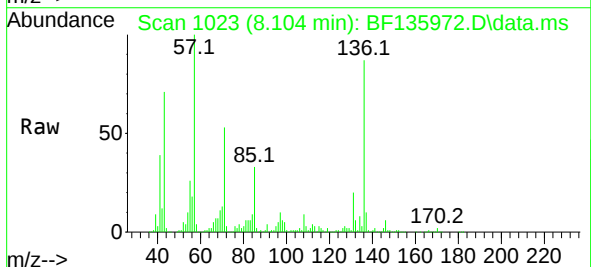


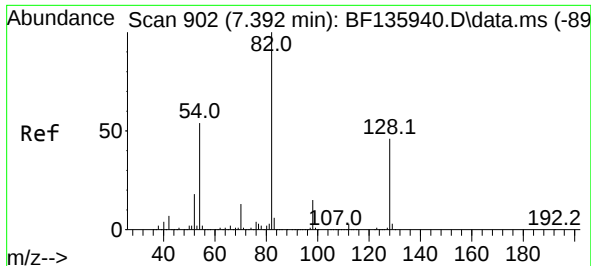
Tgt Ion: 99 Resp: 132725
Ion Ratio Lower Upper
99 100
42 19.1 13.8 20.8
71 32.5 25.1 37.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135972.D
Acq: 26 Oct 2023 19:52

Tgt Ion: 136 Resp: 532973
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.6
54 11.8 7.1 10.7#
68 8.1 5.2 7.8#





#23

Nitrobenzene-d5

Concen: 18.339 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.011 min

Lab File: BF135972.D

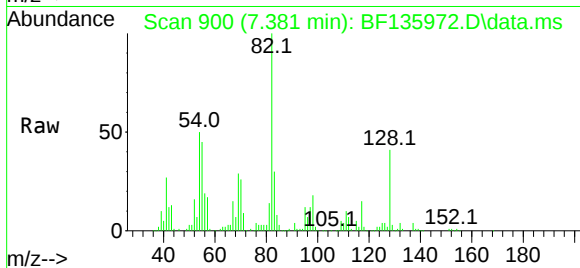
Acq: 26 Oct 2023 19:52

Instrument :

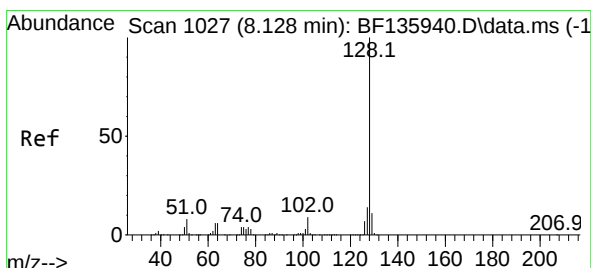
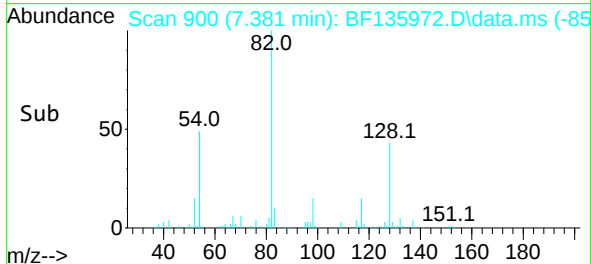
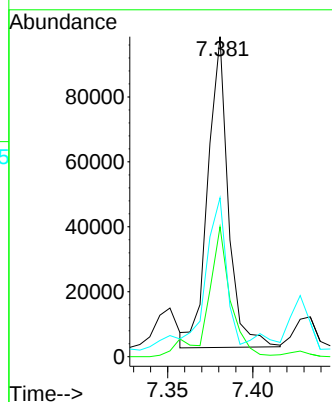
BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15DL



Tgt Ion: 82	Resp: 79757
Ion Ratio	Lower Upper
82	100
128	40.6 36.8 55.2
54	49.7 43.4 65.0



#31

Naphthalene

Concen: 14.916 ng

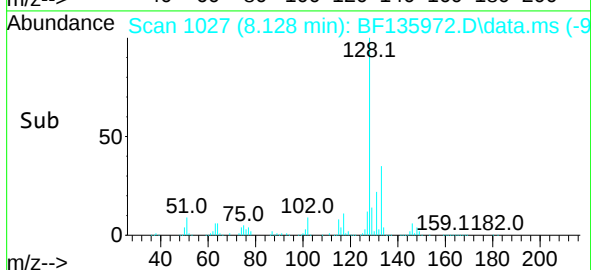
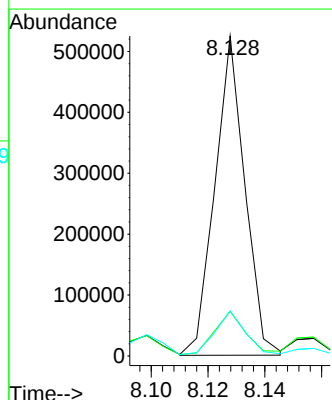
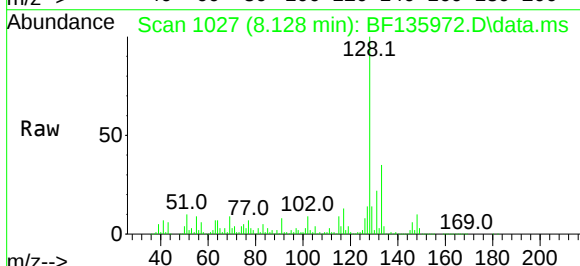
RT: 8.128 min Scan# 1027

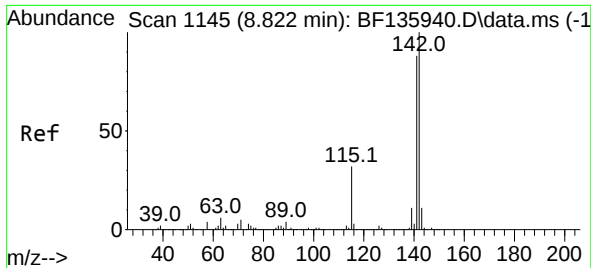
Delta R.T. 0.000 min

Lab File: BF135972.D

Acq: 26 Oct 2023 19:52

Tgt Ion: 128	Resp: 384356
Ion Ratio	Lower Upper
128	100
129	13.9 9.0 13.6#
127	14.1 10.9 16.3

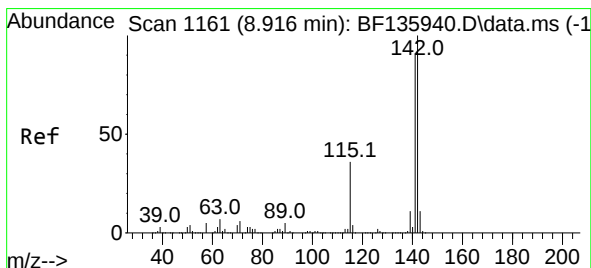
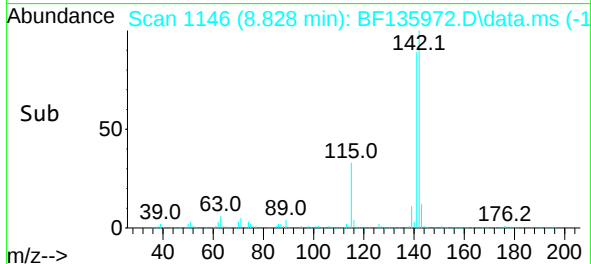
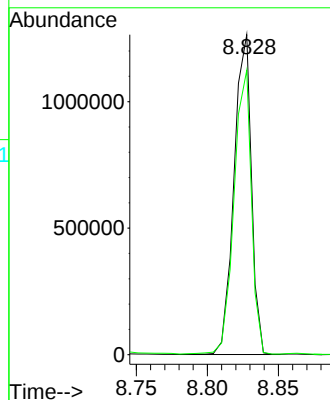
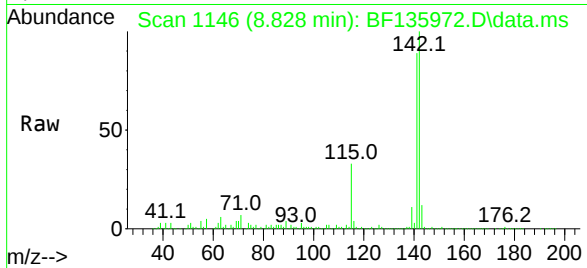




#37
2-Methylnaphthalene
Concen: 63.244 ng
RT: 8.828 min Scan# 1145
Delta R.T. 0.006 min
Lab File: BF135972.D
Acq: 26 Oct 2023 19:52

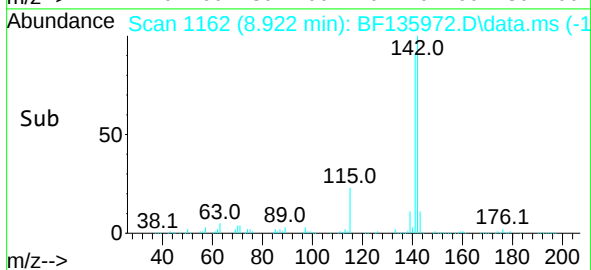
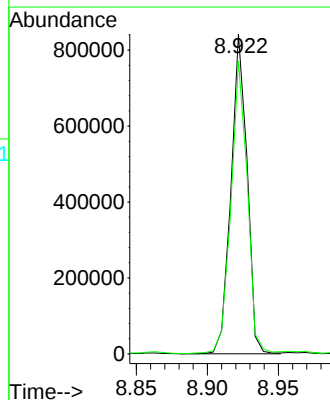
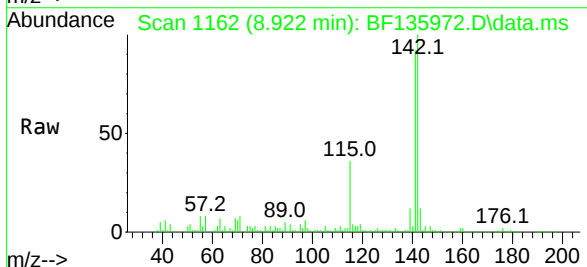
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15DL

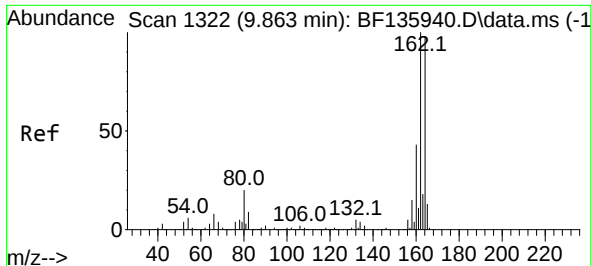
Tgt Ion:142 Resp: 1078241
Ion Ratio Lower Upper
142 100
141 88.9 70.4 105.6



#38
1-Methylnaphthalene
Concen: 41.523 ng
RT: 8.922 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF135972.D
Acq: 26 Oct 2023 19:52

Tgt Ion:142 Resp: 661494
Ion Ratio Lower Upper
142 100
141 91.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135972.D

Acq: 26 Oct 2023 19:52

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15DL

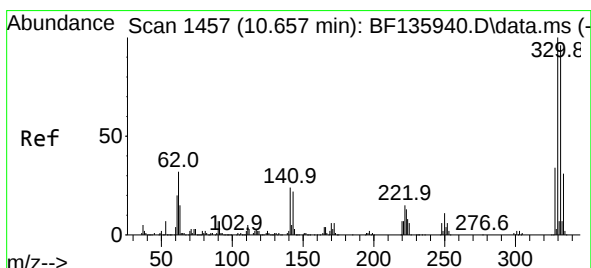
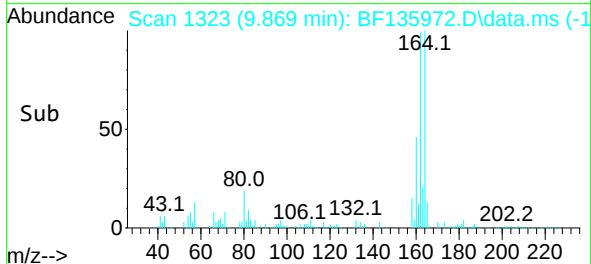
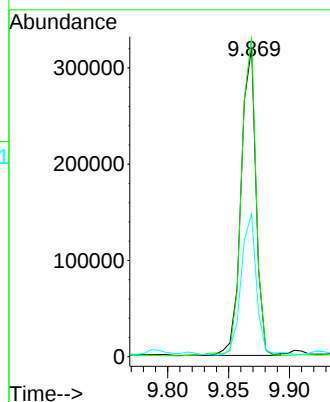
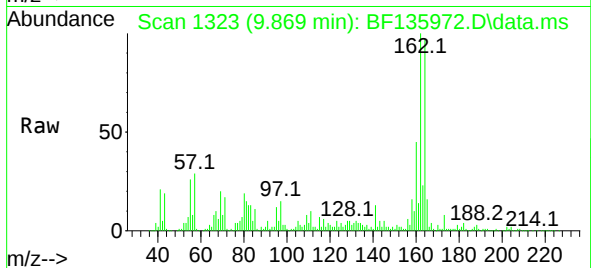
Tgt Ion:164 Resp: 272789

Ion Ratio Lower Upper

164 100

162 103.4 82.0 123.0

160 46.2 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 7.398 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF135972.D

Acq: 26 Oct 2023 19:52

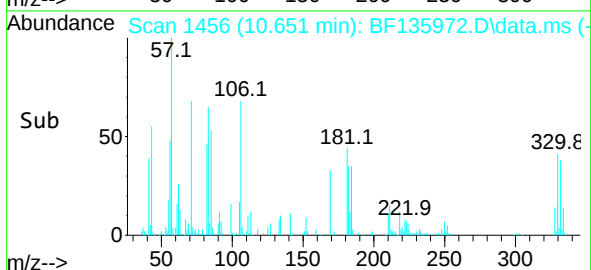
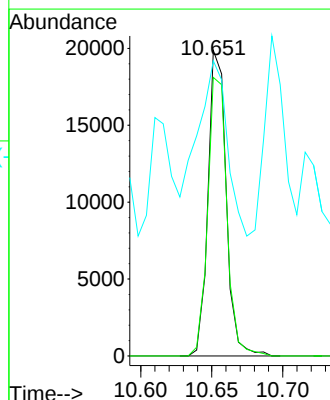
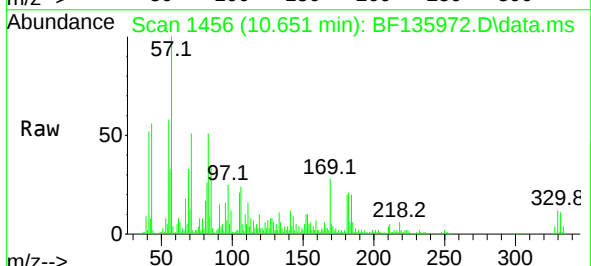
Tgt Ion:330 Resp: 17665

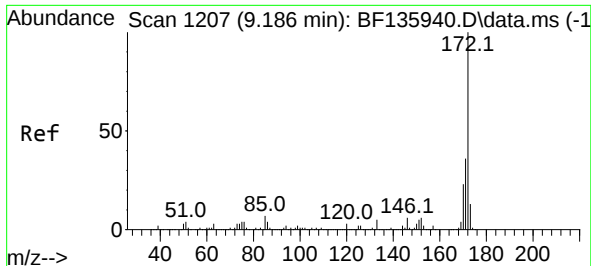
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

141 94.1 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 8.469 ng

RT: 9.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135972.D

Acq: 26 Oct 2023 19:52

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15DL

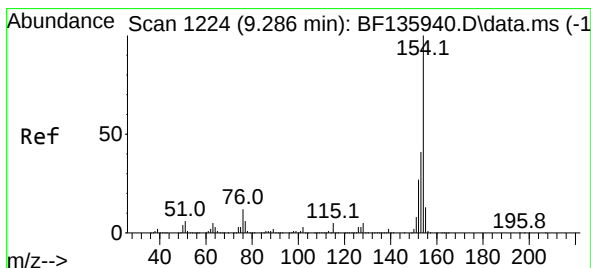
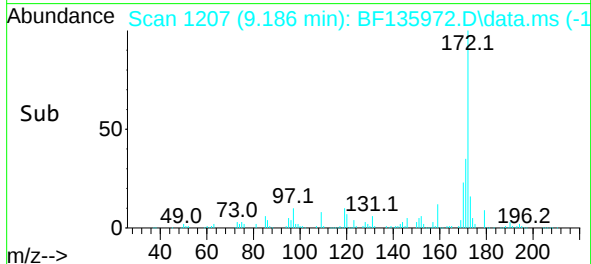
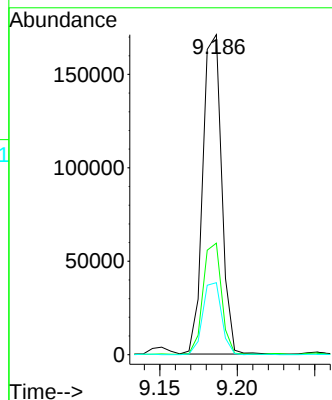
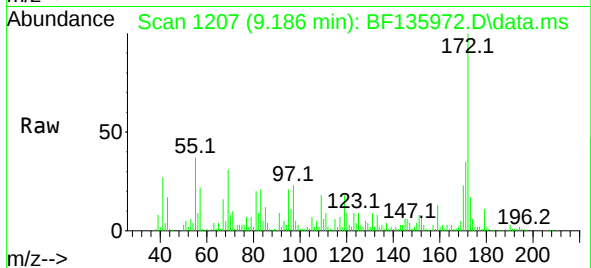
Tgt Ion:172 Resp: 144273

Ion Ratio Lower Upper

172 100

171 34.8 28.6 43.0

170 22.5 18.6 28.0



#46

1,1'-Biphenyl

Concen: 6.199 ng

RT: 9.286 min Scan# 1224

Delta R.T. 0.000 min

Lab File: BF135972.D

Acq: 26 Oct 2023 19:52

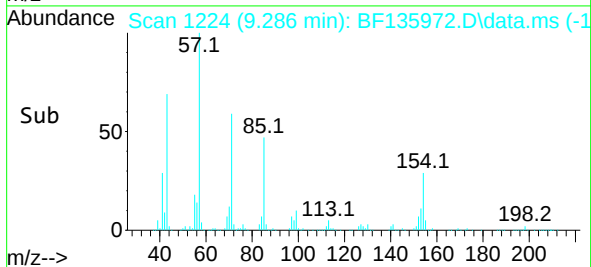
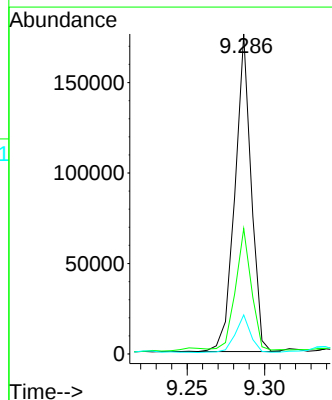
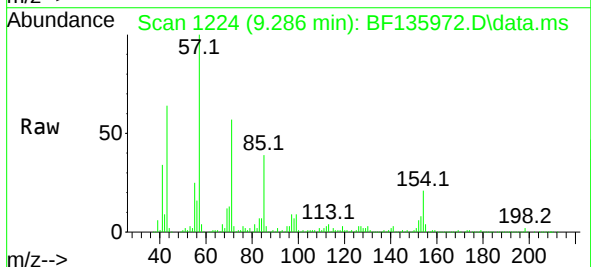
Tgt Ion:154 Resp: 128129

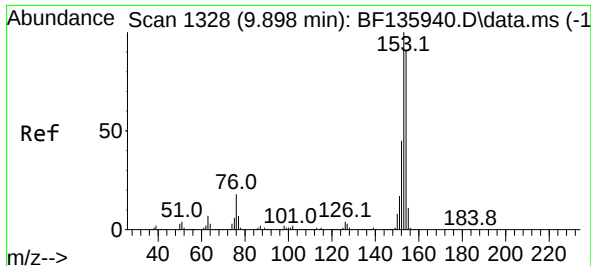
Ion Ratio Lower Upper

154 100

153 39.2 20.7 60.7

76 12.2 0.0 32.4

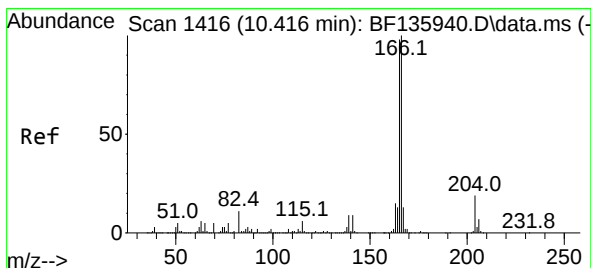
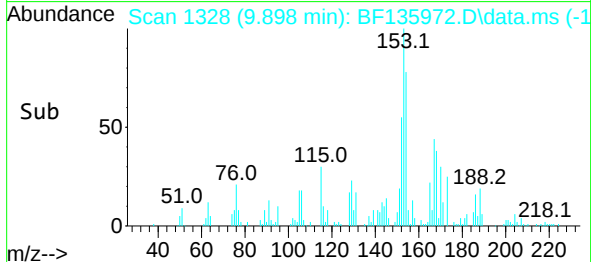
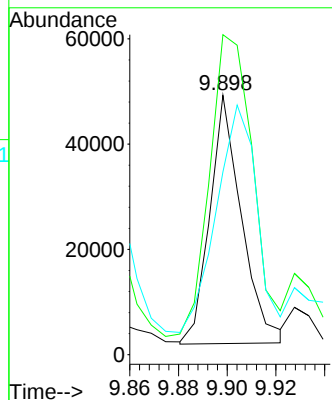
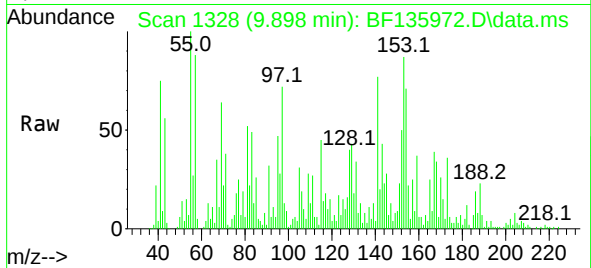




#52
Acenaphthene
Concen: 2.771 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135972.D
Acq: 26 Oct 2023 19:52

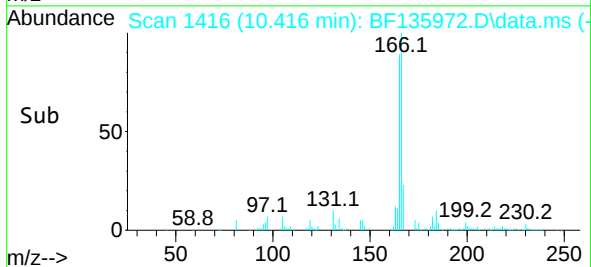
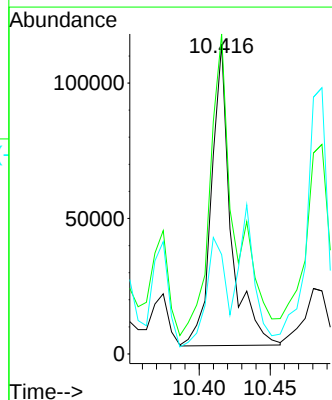
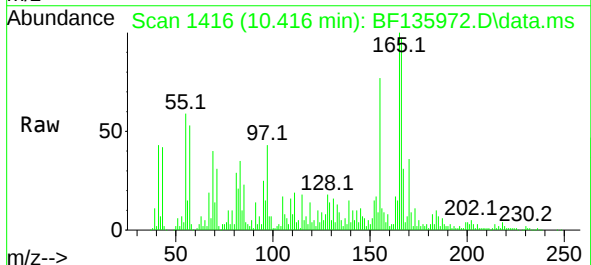
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-7.5-15DL

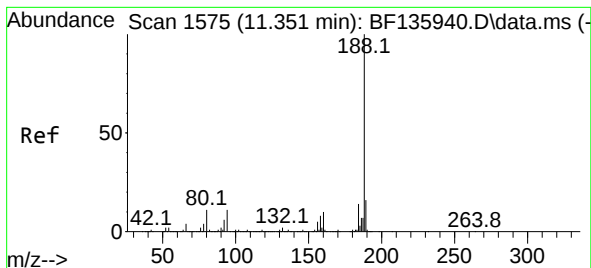
Tgt Ion:154 Resp: 42835
Ion Ratio Lower Upper
154 100
153 123.4 88.0 132.0
152 70.5 39.4 59.2#



#58
Fluorene
Concen: 6.385 ng
RT: 10.416 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF135972.D
Acq: 26 Oct 2023 19:52

Tgt Ion:166 Resp: 106679
Ion Ratio Lower Upper
166 100
165 103.3 78.0 117.0
167 32.1 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135972.D

Acq: 26 Oct 2023 19:52

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15DL

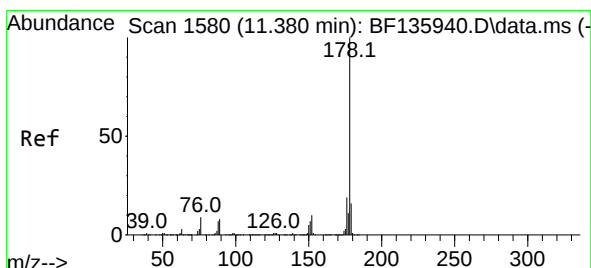
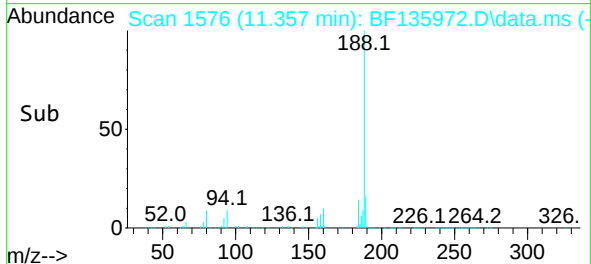
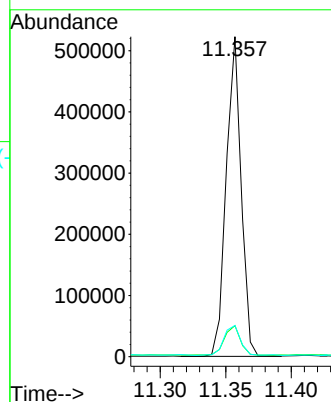
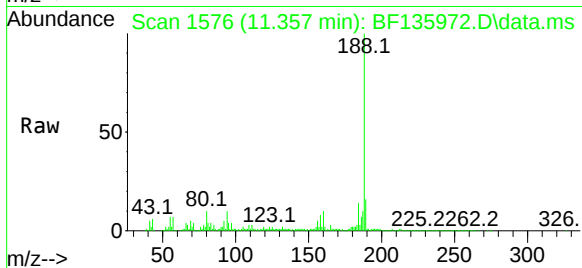
Tgt Ion:188 Resp: 412430

Ion Ratio Lower Upper

188 100

94 9.7 8.6 13.0

80 9.7 9.0 13.6



#71

Phenanthrene

Concen: 12.672 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF135972.D

Acq: 26 Oct 2023 19:52

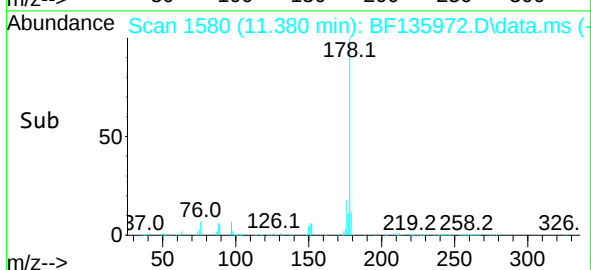
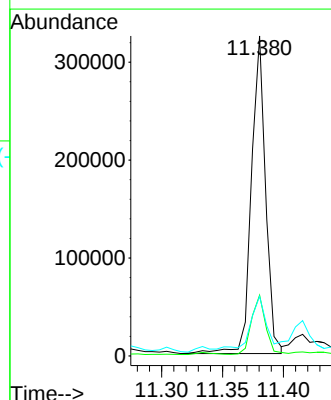
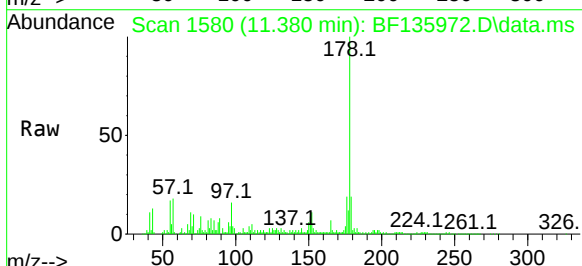
Tgt Ion:178 Resp: 264412

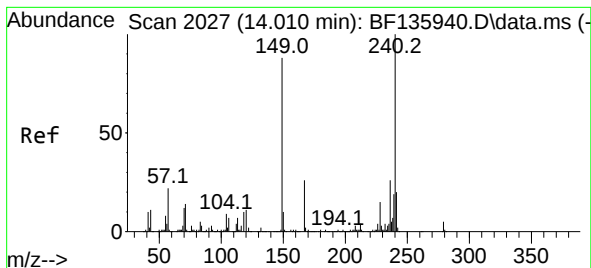
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 18.6 12.5 18.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135972.D

Acq: 26 Oct 2023 19:52

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-7.5-15DL

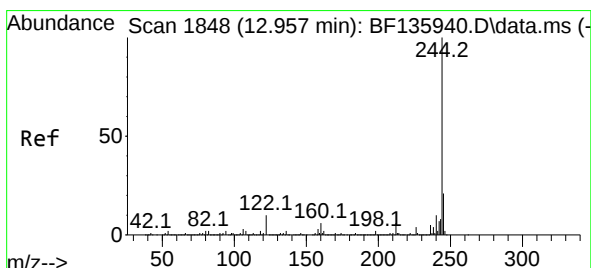
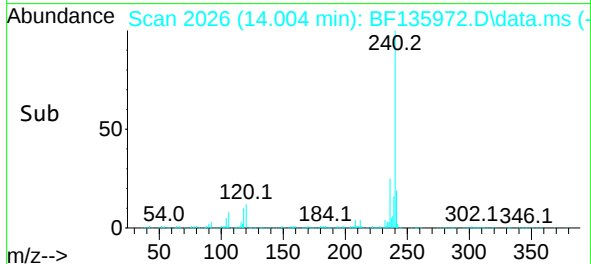
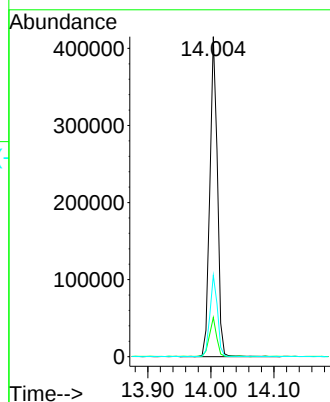
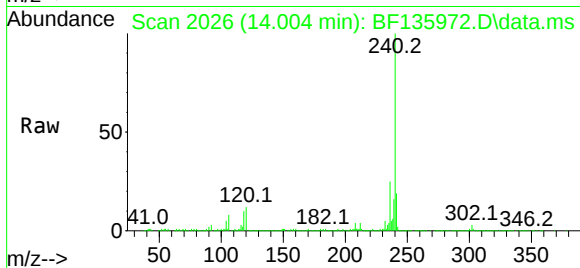
Tgt Ion:240 Resp: 347495

Ion Ratio Lower Upper

240 100

120 12.2 8.6 13.0

236 25.4 20.6 30.8



#79

Terphenyl-d14

Concen: 6.323 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF135972.D

Acq: 26 Oct 2023 19:52

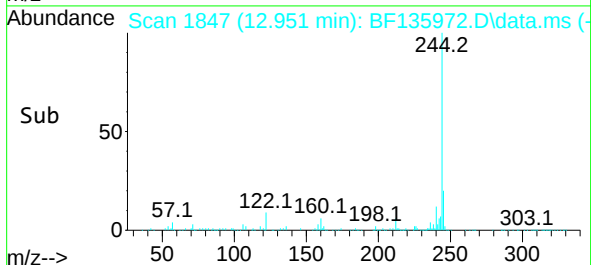
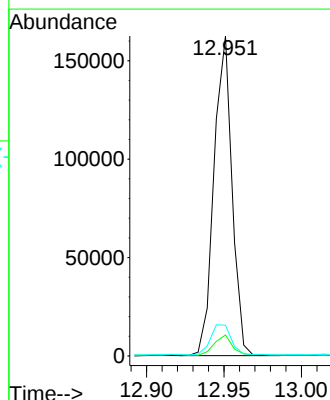
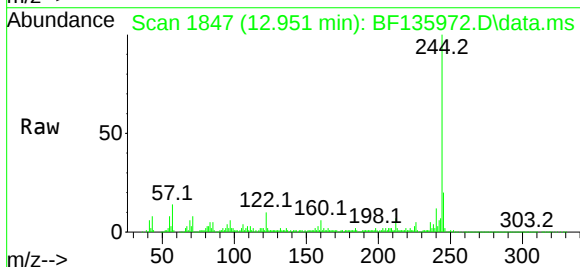
Tgt Ion:244 Resp: 131518

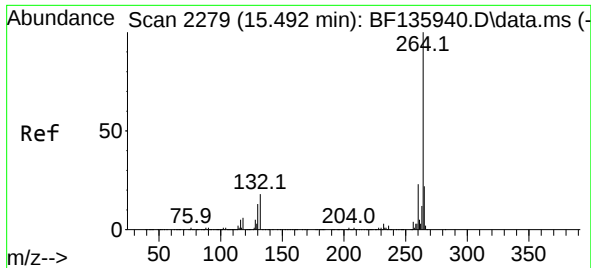
Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.6

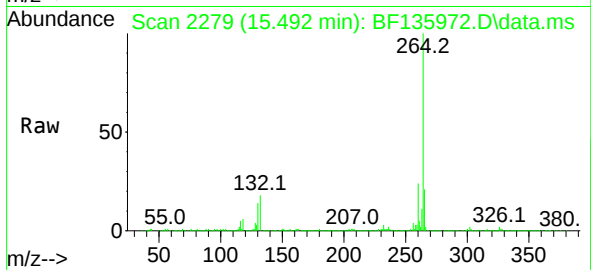
122 9.6 8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF135972.D
 Acq: 26 Oct 2023 19:52

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B4A-7.5-15DL



Tgt Ion:264 Resp: 274359

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.1	17.3	25.9

