

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135974.D
 Acq On : 26 Oct 2023 20:56
 Operator : CG\JU
 Sample : 05039-02 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-2

Quant Time: Oct 27 01:20:52 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)

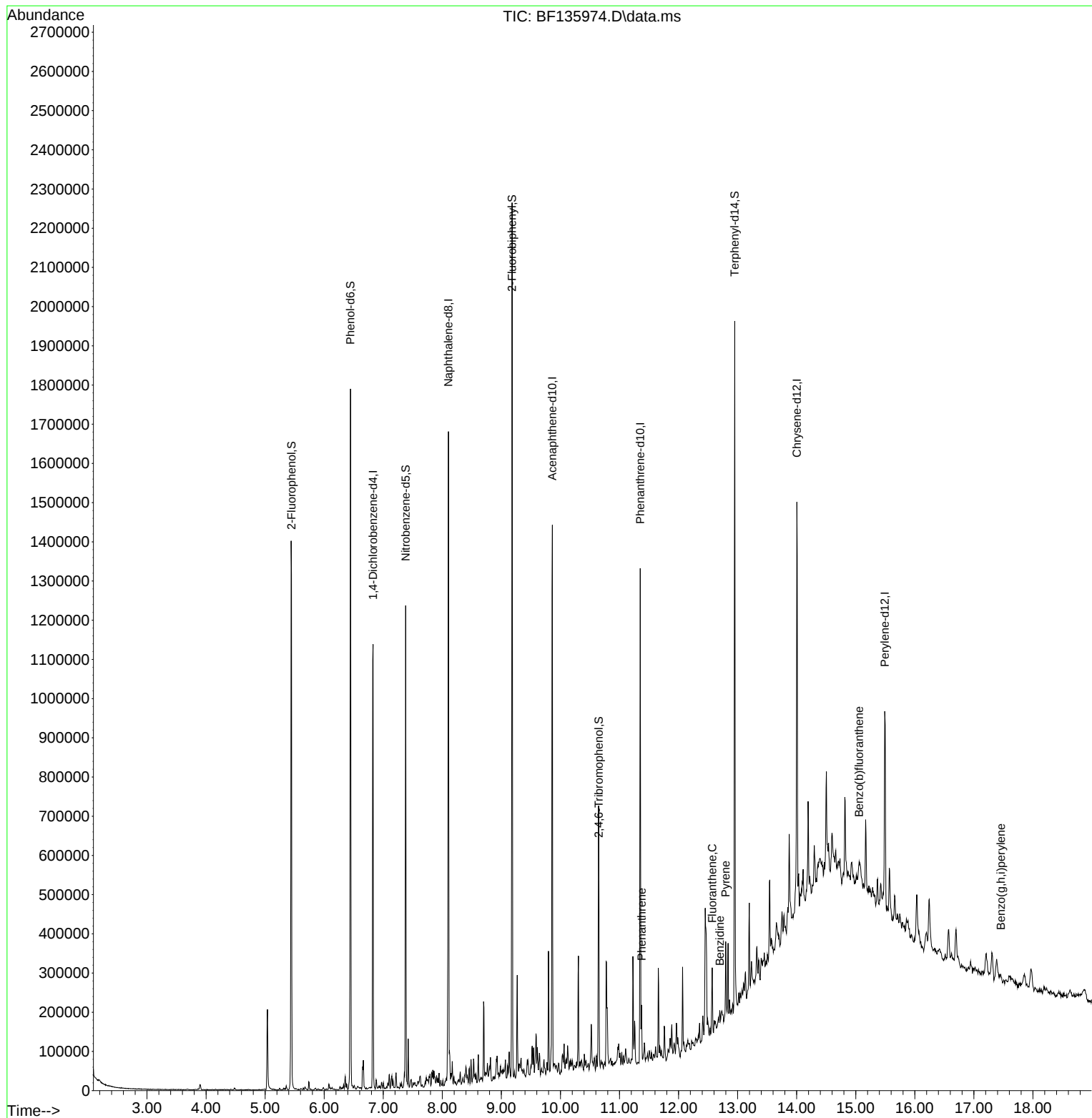
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	166056	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	625373	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	264873	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	414500	20.000	ng	0.00
76) Chrysene-d12	14.004	240	328536	20.000	ng	0.00
86) Perylene-d12	15.492	264	240591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	393995	36.638	ng	0.00
7) Phenol-d6	6.445	99	531739	39.717	ng	-0.01
23) Nitrobenzene-d5	7.381	82	297431	36.965	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	67826	29.255	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	572529	34.611	ng	0.00
79) Terphenyl-d14	12.951	244	551880	28.066	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.374	178	44658	2.130	ng	99
75) Fluoranthene	12.569	202	56340	2.554	ng	99
77) Benzidine	12.698	184	13352	2.108	ng	95
78) Pyrene	12.798	202	76226	2.763	ng	98
88) Benzo(b)fluoranthene	15.057	252	29585	2.066	ng	# 72
92) Benzo(g,h,i)perylene	17.456	276	12353	4.616	ng	# 79

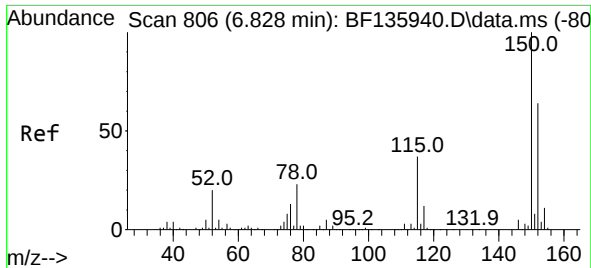
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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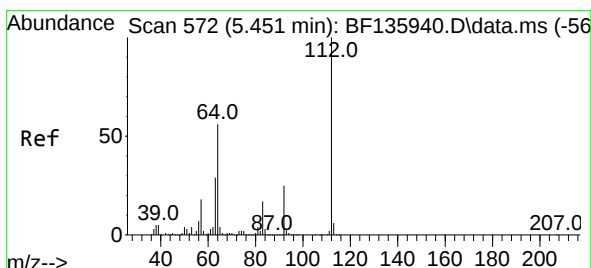
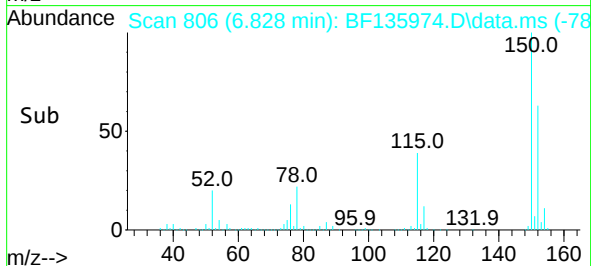
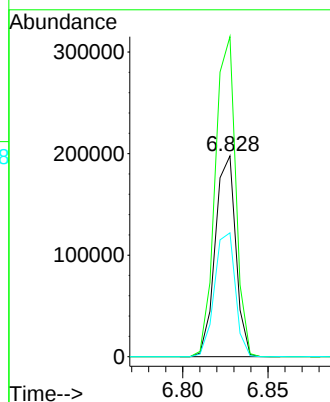
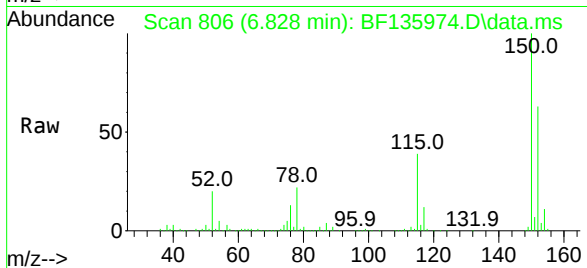




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

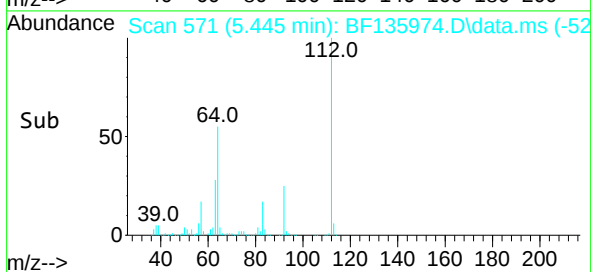
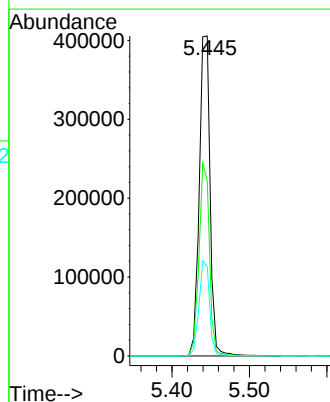
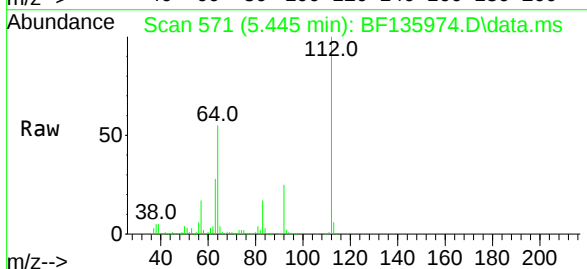
Instrument :
BNA_F
ClientSampleId :
MMFB-2

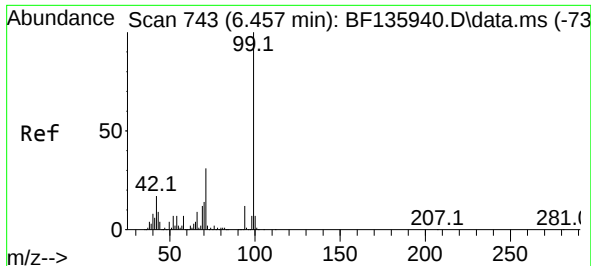
Tgt Ion:152 Resp: 166056
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 61.6 46.6 69.8



#5
2-Fluorophenol
Concen: 36.638 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:112 Resp: 393995
Ion Ratio Lower Upper
112 100
64 54.9 45.1 67.7
63 28.0 23.0 34.4

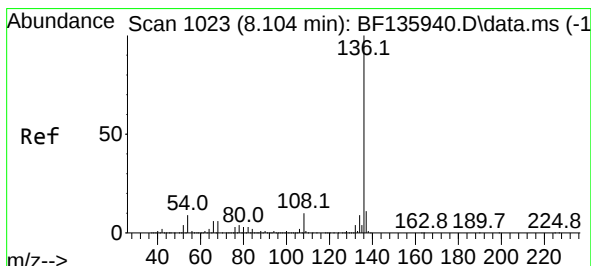
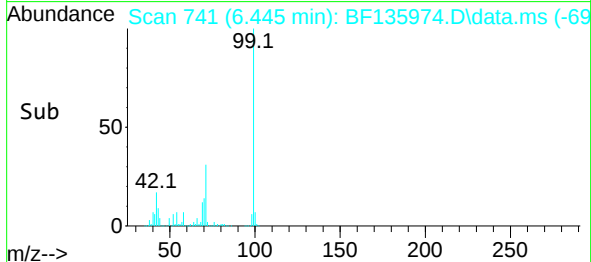
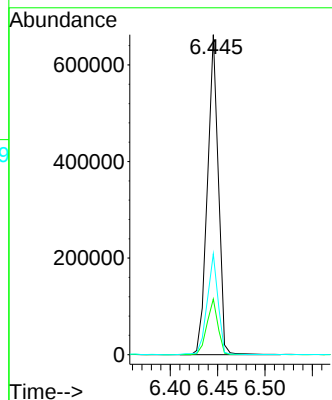
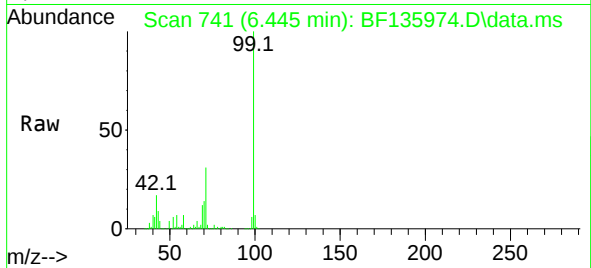




#7
Phenol-d6
Concen: 39.717 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

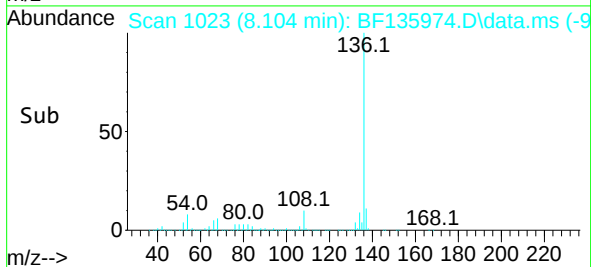
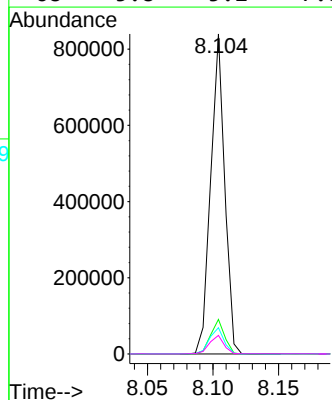
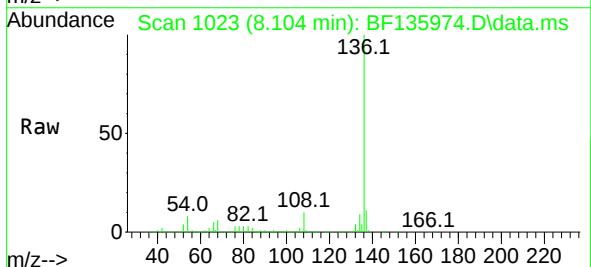
Instrument :
BNA_F
ClientSampleId :
MMFB-2

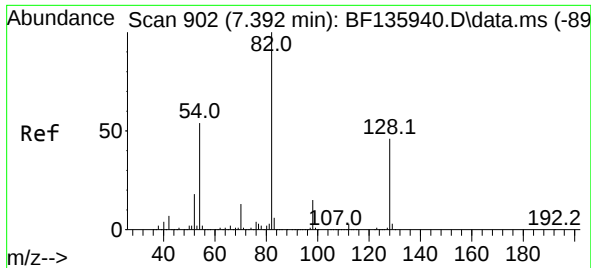
Tgt Ion: 99 Resp: 531739
Ion Ratio Lower Upper
99 100
42 17.4 13.8 20.8
71 31.5 25.1 37.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion: 136 Resp: 625373
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 8.2 7.1 10.7
68 5.8 5.2 7.8





#23

Nitrobenzene-d5

Concen: 36.965 ng

RT: 7.381 min Scan# 902

Delta R.T. -0.011 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Instrument :

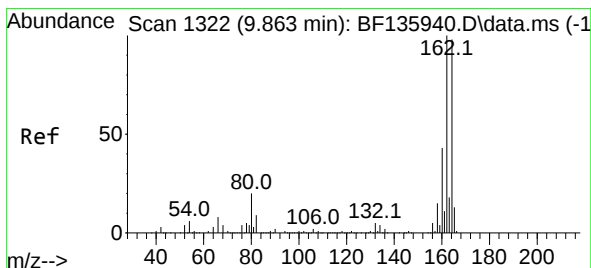
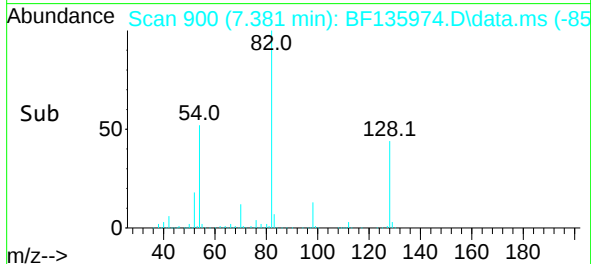
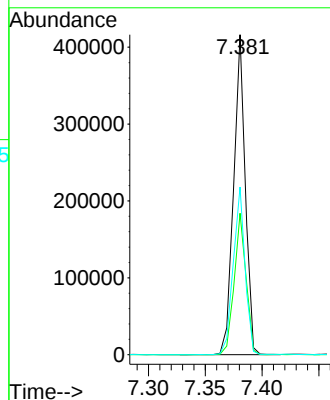
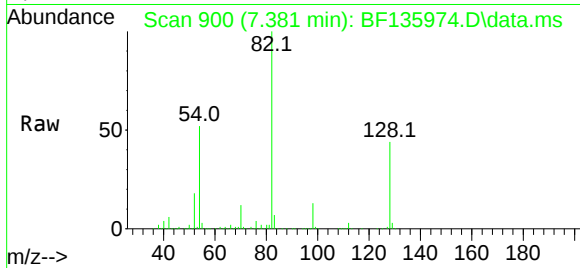
BNA_F

ClientSampleId :

MMFB-2

Tgt Ion: 82 Resp: 297431

Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.8	55.2
54	52.4	43.4	65.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

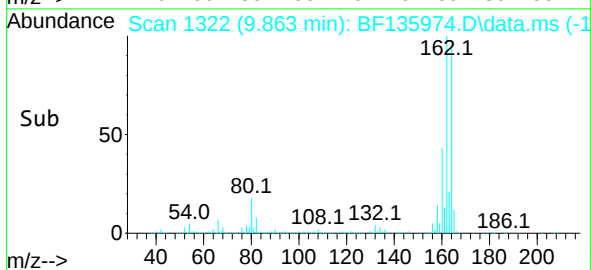
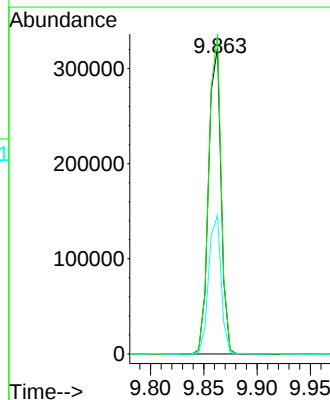
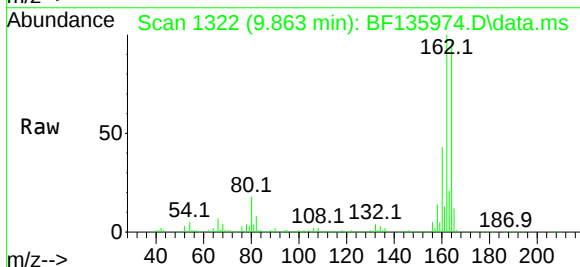
Delta R.T. -0.000 min

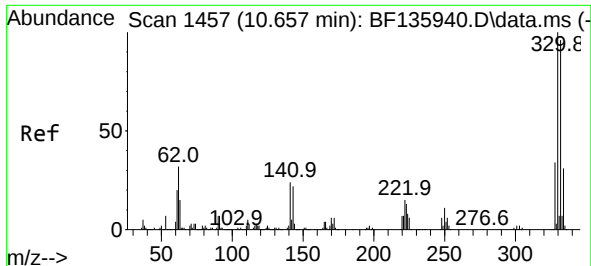
Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Tgt Ion: 164 Resp: 264873

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.0	123.0
160	45.2	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 29.255 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Instrument :

BNA_F

ClientSampleId :

MMFB-2

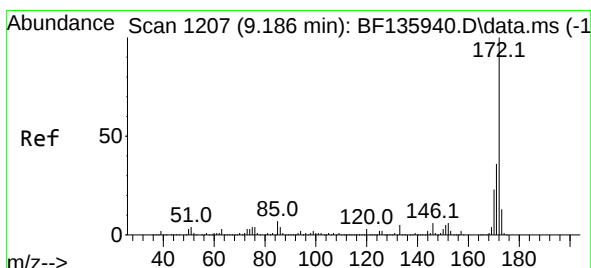
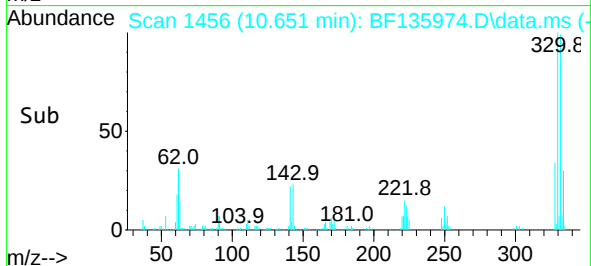
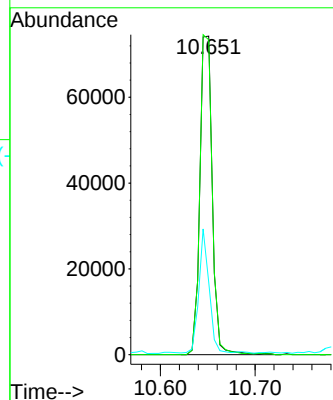
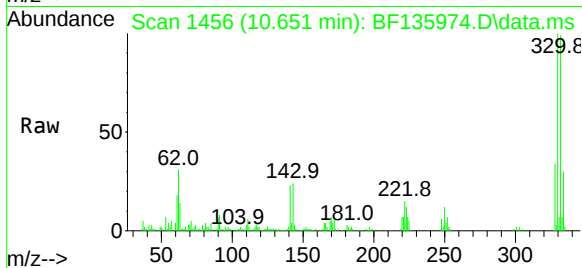
Tgt Ion:330 Resp: 67826

Ion Ratio Lower Upper

330 100

332 99.9 77.4 116.2

141 31.8 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 34.611 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

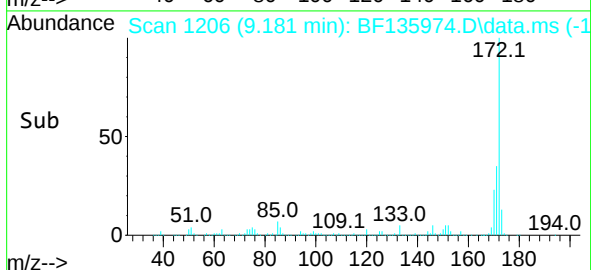
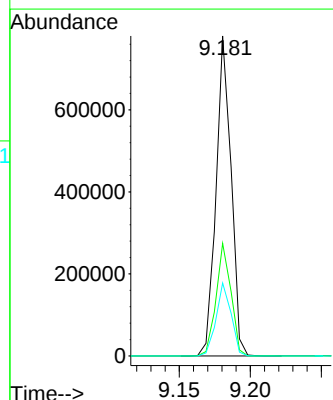
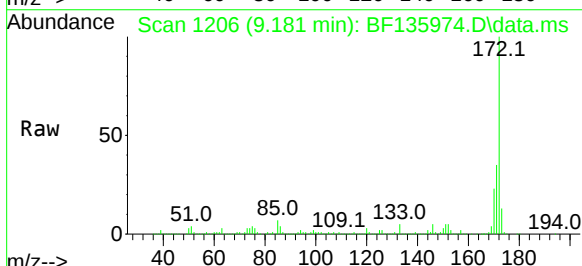
Tgt Ion:172 Resp: 572529

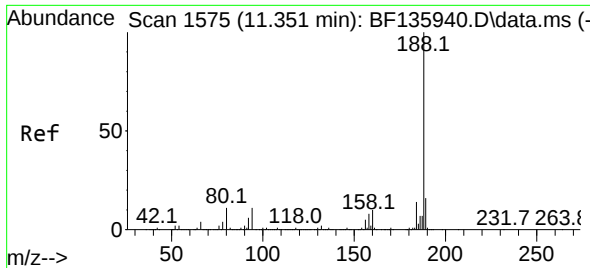
Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 22.8 18.6 28.0

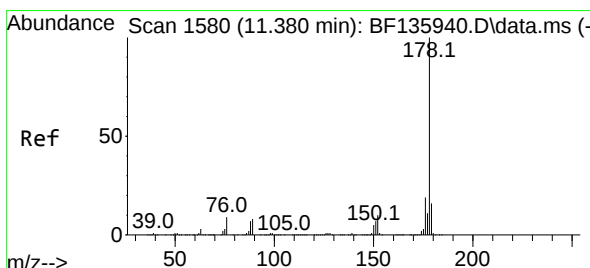
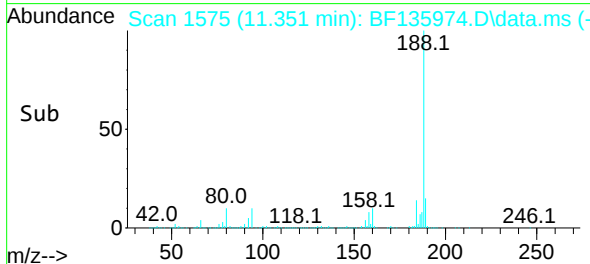
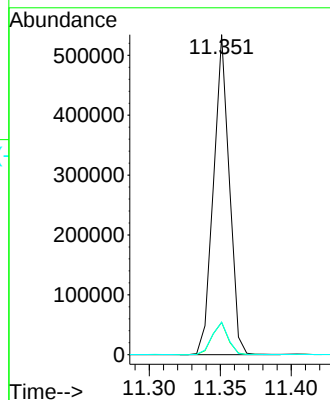
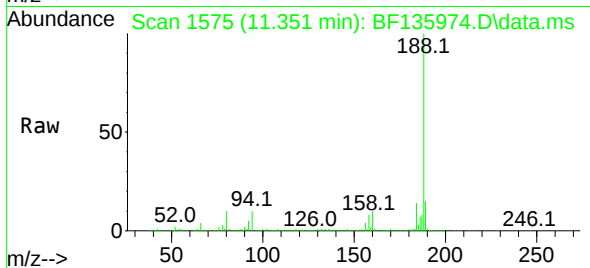




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

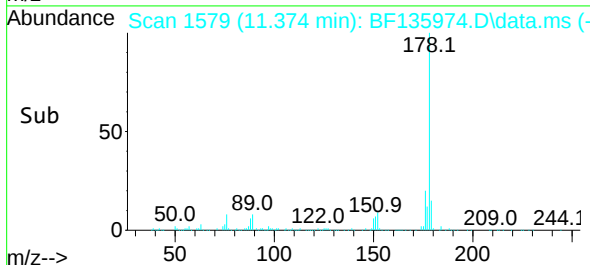
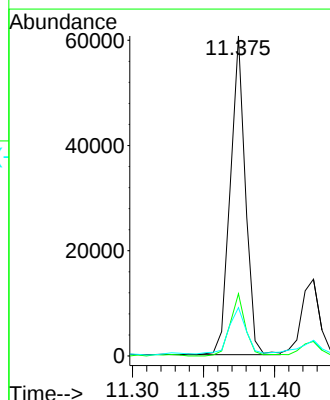
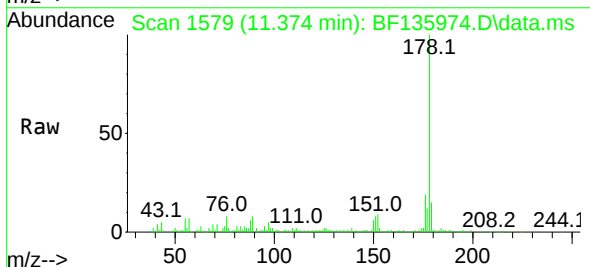
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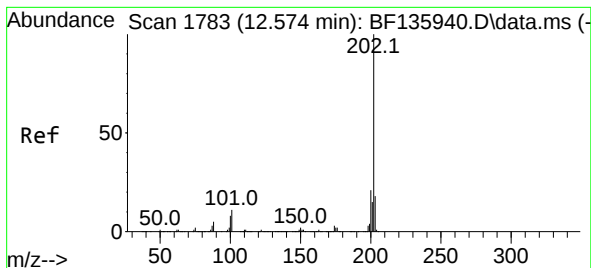
Tgt Ion:188 Resp: 414500
Ion Ratio Lower Upper
188 100
94 10.1 8.6 13.0
80 10.1 9.0 13.6



#71
Phenanthrene
Concen: 2.130 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF135974.D
Acq: 26 Oct 2023 20:56

Tgt Ion:178 Resp: 44658
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.1 12.5 18.7





#75

Fluoranthene

Concen: 2.554 ng

RT: 12.569 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Instrument :

BNA_F

ClientSampleId :

MMFB-2

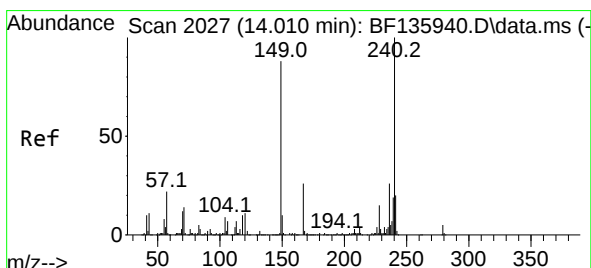
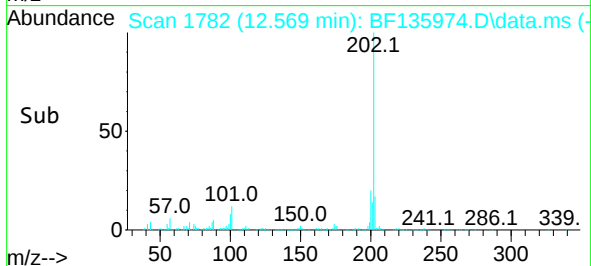
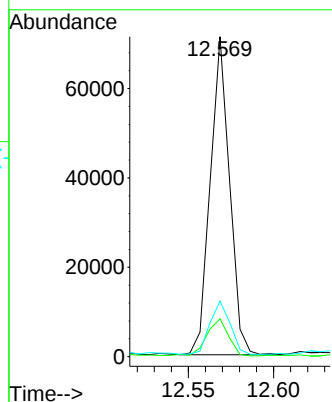
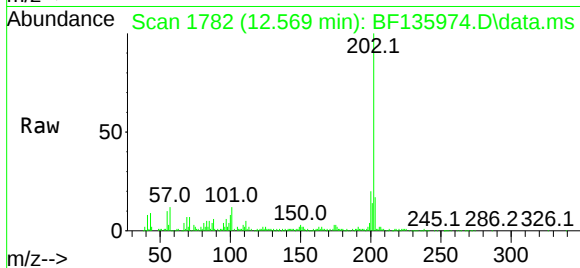
Tgt Ion:202 Resp: 56340

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.6

203 17.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

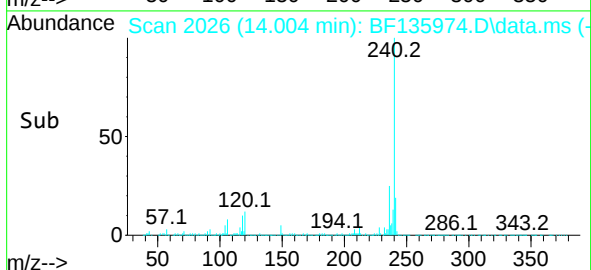
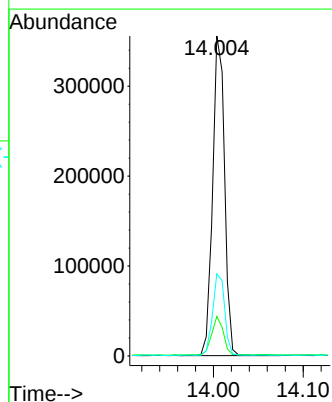
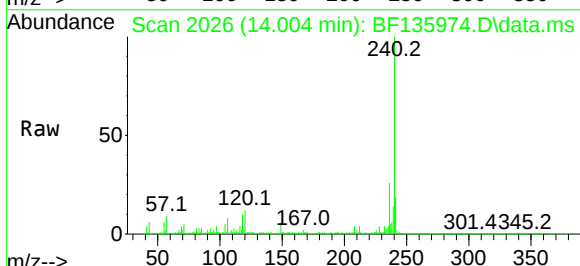
Tgt Ion:240 Resp: 328536

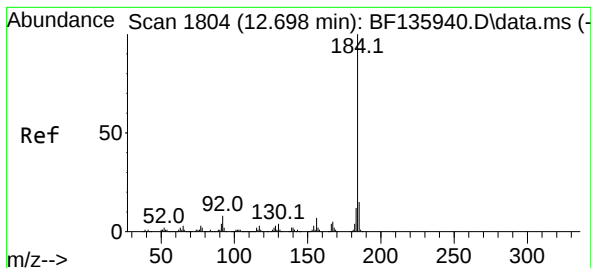
Ion Ratio Lower Upper

240 100

120 12.3 8.6 13.0

236 25.7 20.6 30.8





#77

Benzidine

Concen: 2.108 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.000 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

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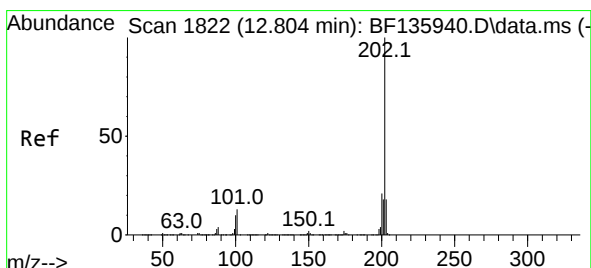
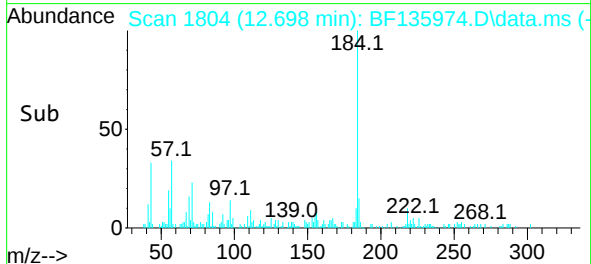
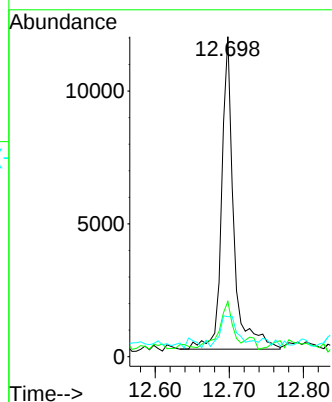
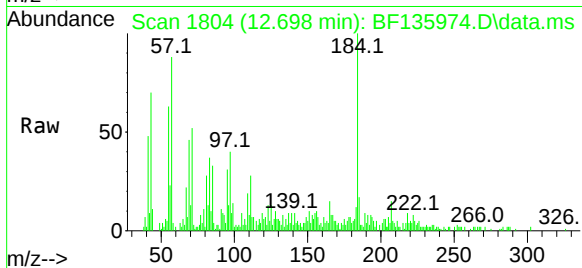
Tgt Ion:184 Resp: 13352

Ion Ratio Lower Upper

184 100

185 17.2 11.7 17.5

183 12.5 9.2 13.8



#78

Pyrene

Concen: 2.763 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

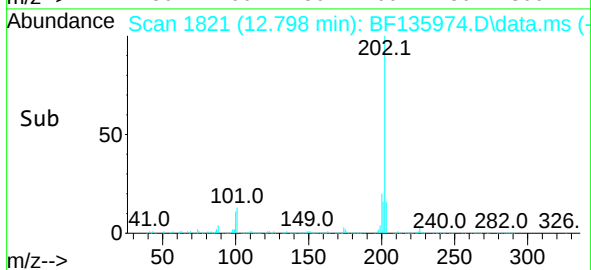
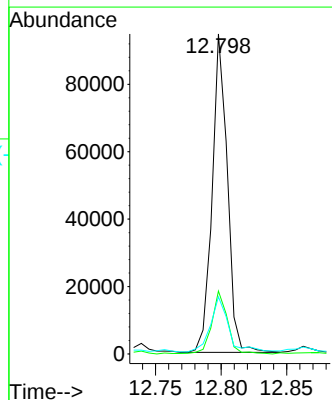
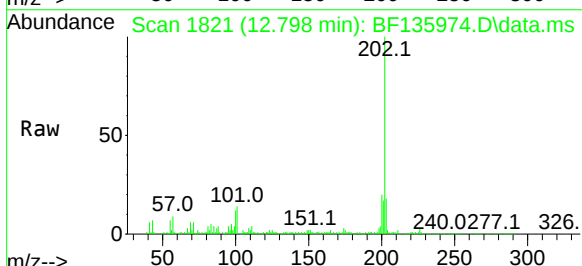
Tgt Ion:202 Resp: 76226

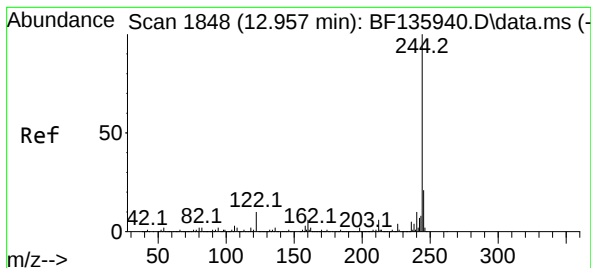
Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.6

203 17.8 14.5 21.7





#79

Terphenyl-d14

Concen: 28.066 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Instrument :

BNA_F

ClientSampleId :

MMFB-2

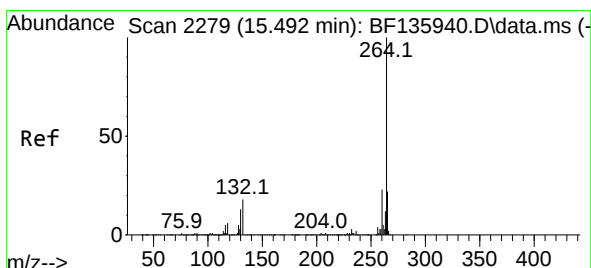
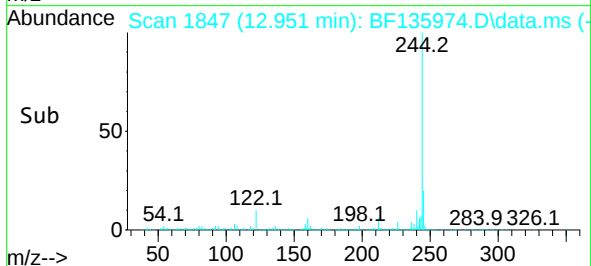
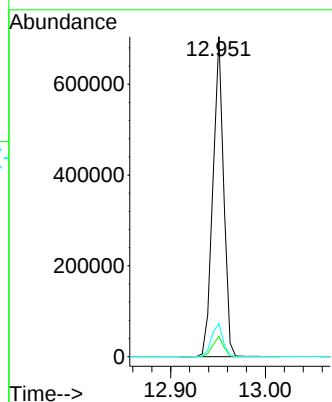
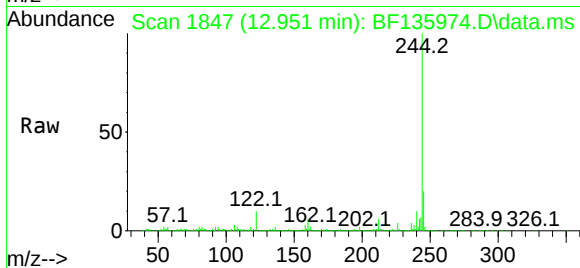
Tgt Ion:244 Resp: 551880

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.6

122 10.5 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

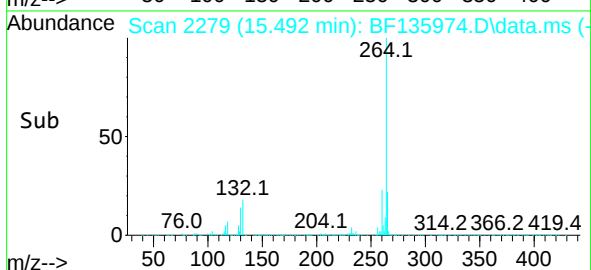
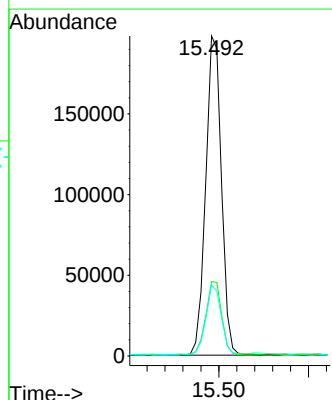
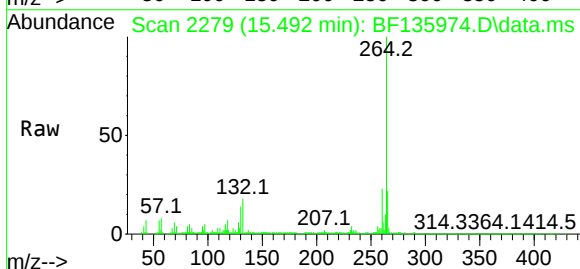
Tgt Ion:264 Resp: 240591

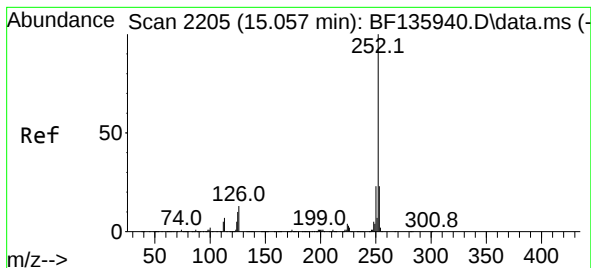
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.2 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 2.066 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Instrument :

BNA_F

ClientSampleId :

MMFB-2

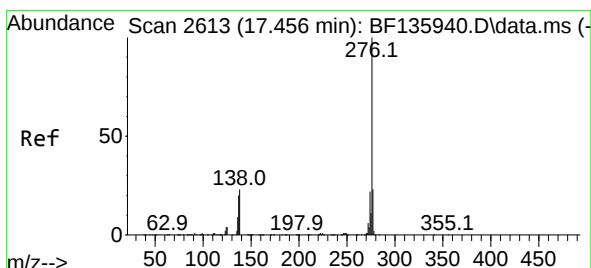
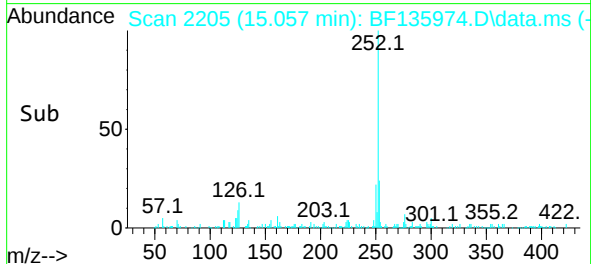
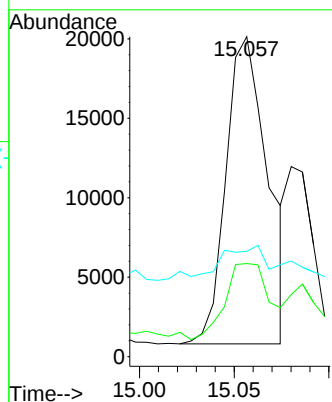
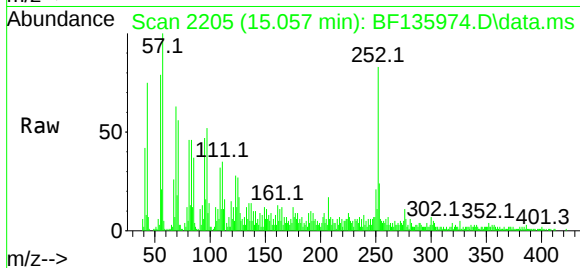
Tgt Ion:252 Resp: 29585

Ion Ratio Lower Upper

252 100

253 29.1 18.0 27.0#

125 32.9 8.2 12.4#



#92

Benzo(g,h,i)perylene

Concen: 4.616 ng

RT: 17.456 min Scan# 2613

Delta R.T. 0.000 min

Lab File: BF135974.D

Acq: 26 Oct 2023 20:56

Tgt Ion:276 Resp: 12353

Ion Ratio Lower Upper

276 100

277 31.3 18.6 28.0#

138 35.0 18.4 27.6#

