

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130970.D
 Acq On : 03 Nov 2022 20:56
 Operator : CG\JU
 Sample : N5396-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2022
 Supervised By : Sohil Jodhani 11/04/2022

Quant Time: Nov 04 06:22:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	81865	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	278075	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	123552	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	214311	20.000	ng	0.00
76) Chrysene-d12	14.104	240	217713	20.000	ng	0.00
86) Perylene-d12	15.615	264	200540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	574796	121.721	ng	0.01
7) Phenol-d6	6.539	99	681659	111.082	ng	0.00
23) Nitrobenzene-d5	7.481	82	452498	98.121	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	142865	137.362	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	715550	87.561	ng	0.00
79) Terphenyl-d14	13.045	244	789415	66.444	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.822	152	62603	5.613	ng	98
58) Fluorene	10.510	166	31429	3.993	ng	99
71) Phenanthrene	11.480	178	365930	33.082	ng	99
72) Anthracene	11.527	178	75146	6.888	ng	99
73) Carbazole	11.680	167	32982	3.376	ng	99
75) Fluoranthene	12.674	202	772742	65.751	ng	100
78) Pyrene	12.904	202	703174	38.283	ng	98
81) Benzo(a)anthracene	14.098	228	421510m	29.202	ng	
83) Chrysene	14.133	228	428771	30.796	ng	98
87) Indeno(1,2,3-cd)pyrene	17.145	276	174981m	13.139	ng	
88) Benzo(b)fluoranthene	15.168	252	497869m	38.405	ng	
89) Benzo(k)fluoranthene	15.198	252	183232m	14.505	ng	
90) Benzo(a)pyrene	15.551	252	341080	32.730	ng	98
91) Dibenzo(a,h)anthracene	17.150	278	46245	4.260	ng	# 89
92) Benzo(g,h,i)perylene	17.609	276	151781	13.704	ng	98

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

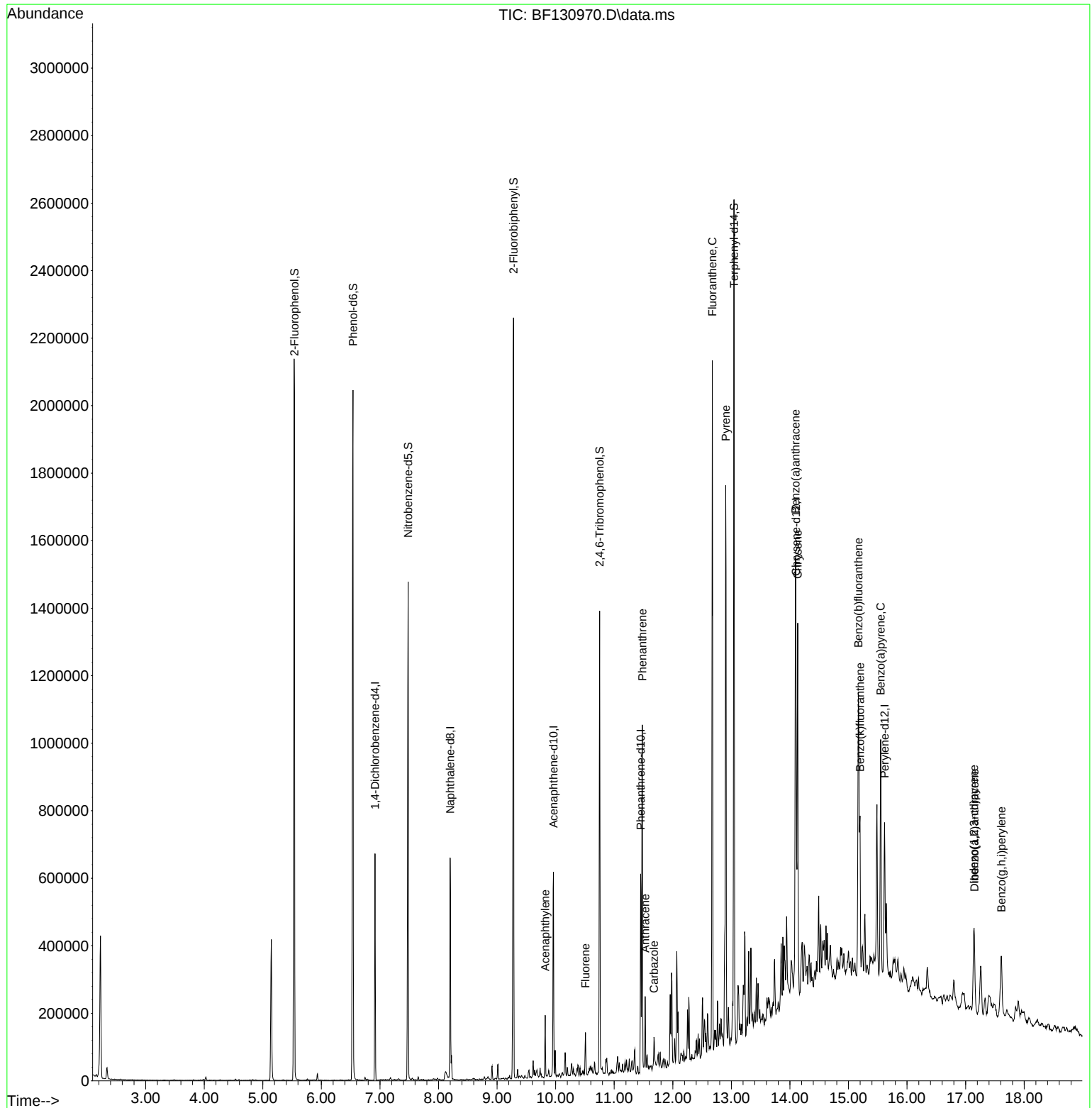
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
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ALS Vial : 7 Sample Multiplier: 1

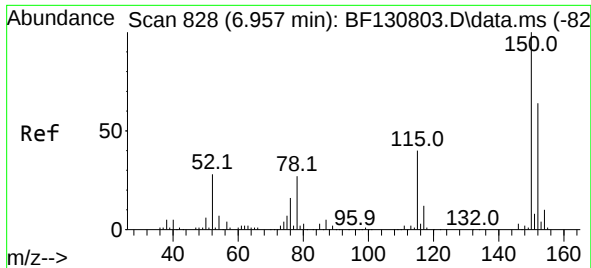
Instrument :
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Quant Time: Nov 04 06:22:40 2022
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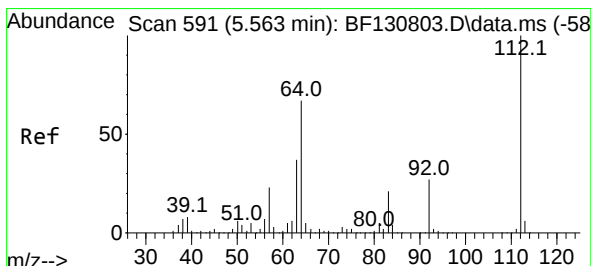
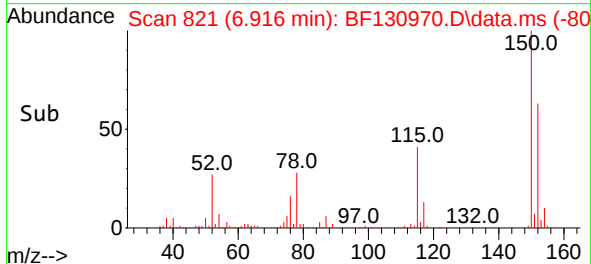
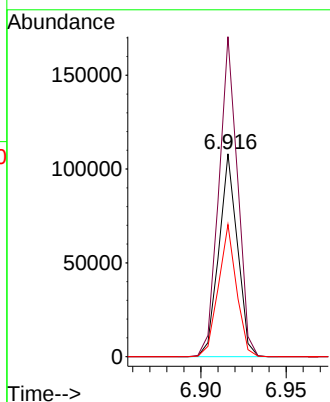
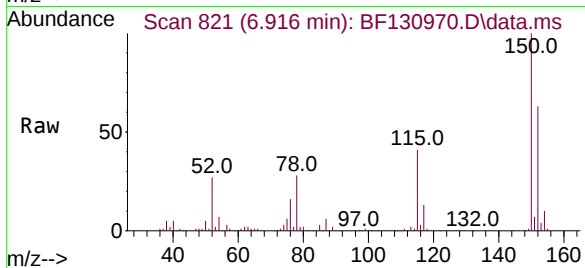
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:152 Resp: 81865
Ion Ratio Lower Upper
152 100
150 157.8 124.1 186.1
115 65.1 50.1 75.1

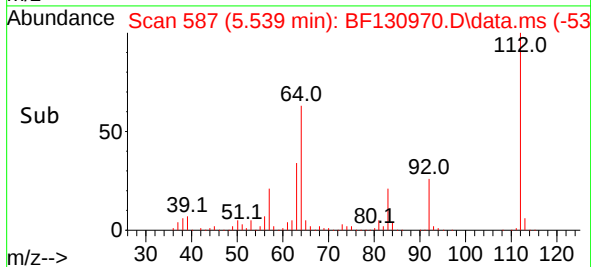
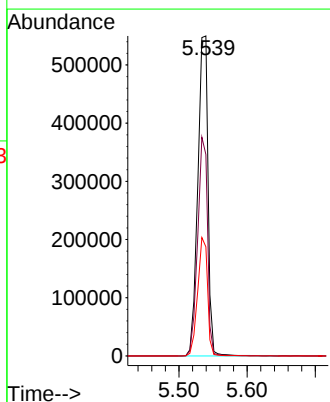
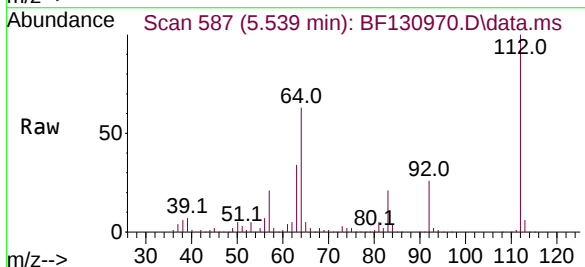
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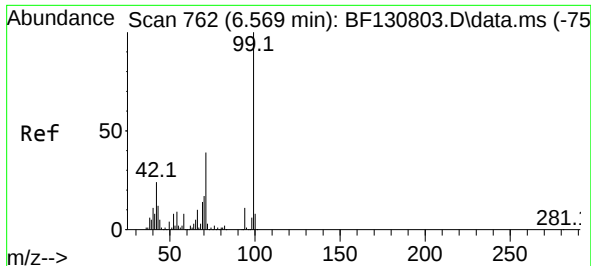
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#5
2-Fluorophenol
Concen: 121.721 ng
RT: 5.539 min Scan# 587
Delta R.T. 0.012 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

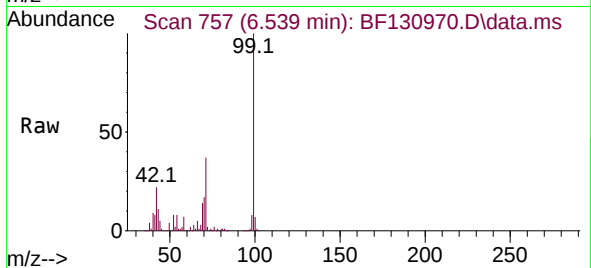
Tgt Ion:112 Resp: 574796
Ion Ratio Lower Upper
112 100
64 62.9 53.9 80.9
63 34.1 29.4 44.2





#7
Phenol-d6
Concen: 111.082 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

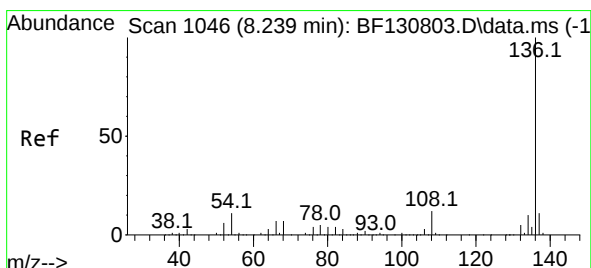
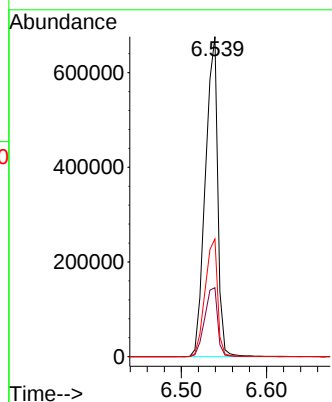
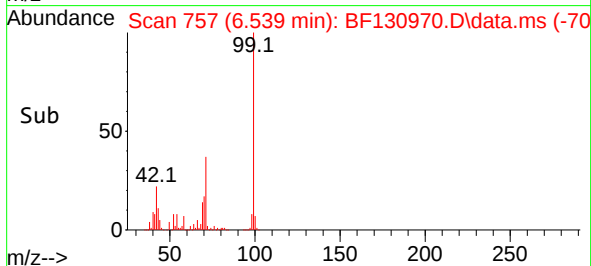
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 681659
Ion Ratio Lower Upper
99 100
42 21.5 18.8 28.2
71 36.8 31.4 47.0

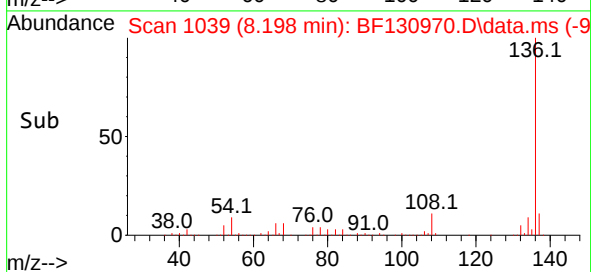
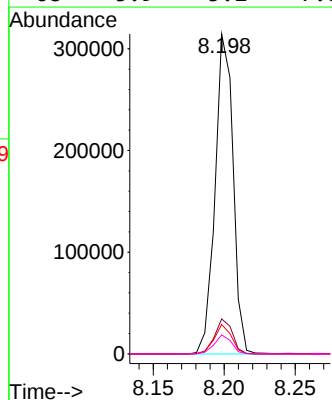
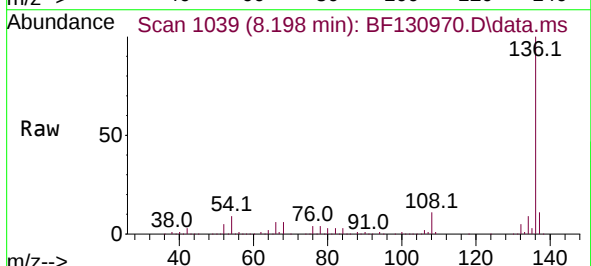
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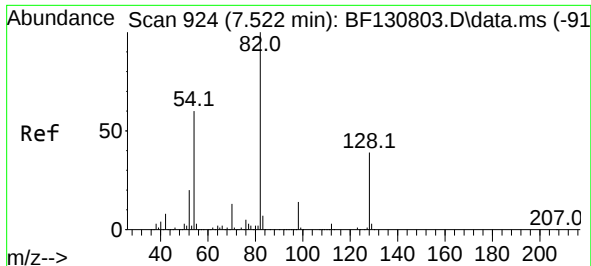
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion:136 Resp: 278075
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 9.2 8.8 13.2
68 5.9 5.2 7.8





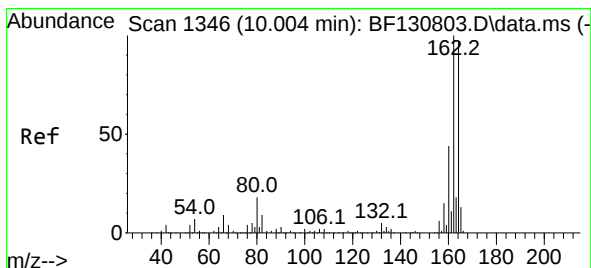
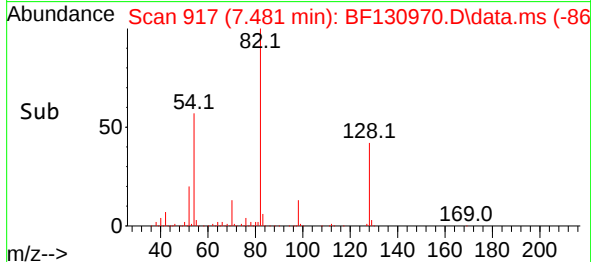
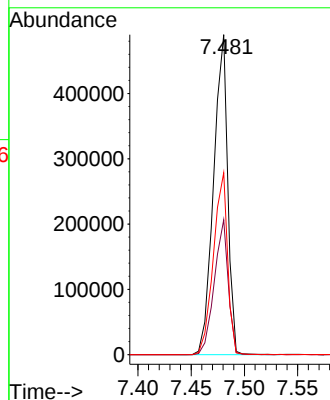
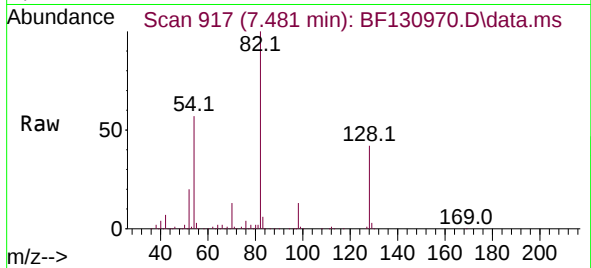
#23
Nitrobenzene-d5
Concen: 98.121 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion: 82 Resp: 452498
Ion Ratio Lower Upper
82 100
128 42.1 31.2 46.8
54 56.8 48.0 72.0

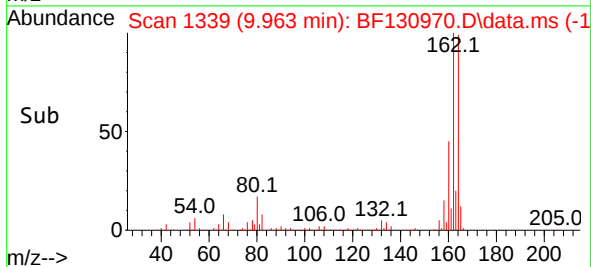
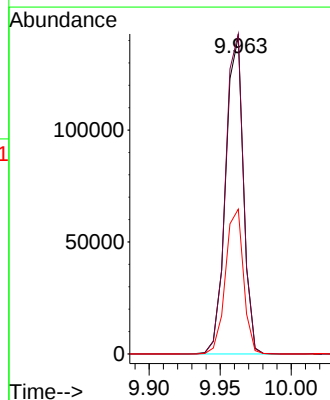
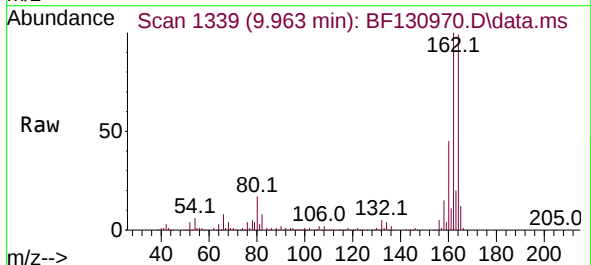
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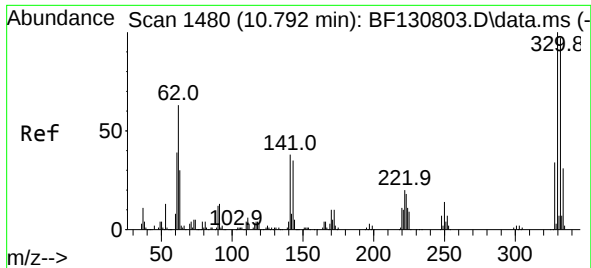
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

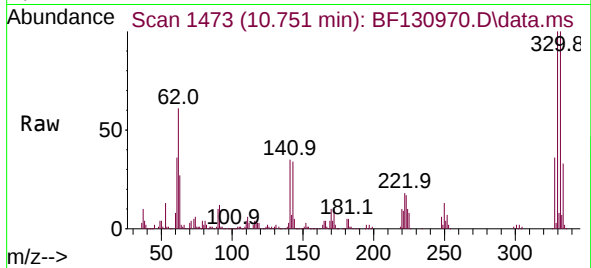
Tgt Ion:164 Resp: 123552
Ion Ratio Lower Upper
164 100
162 100.9 82.2 123.2
160 45.7 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 137.362 ng
RT: 10.751 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

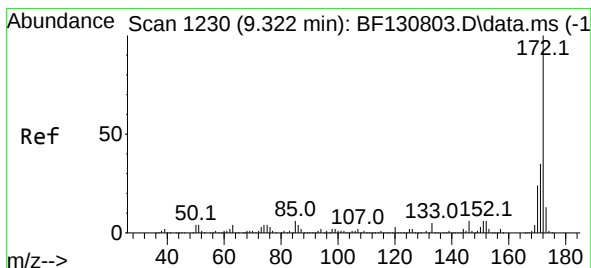
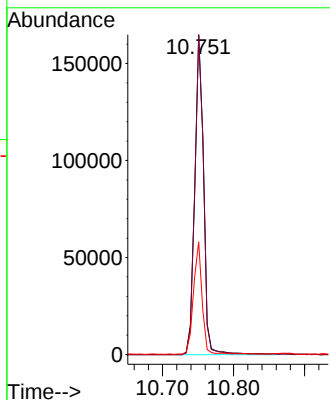
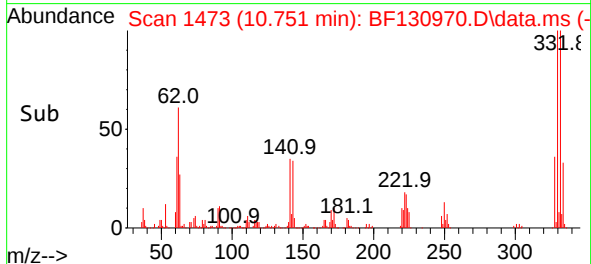
Instrument :
BNA_F
ClientSampleId :
TP-A



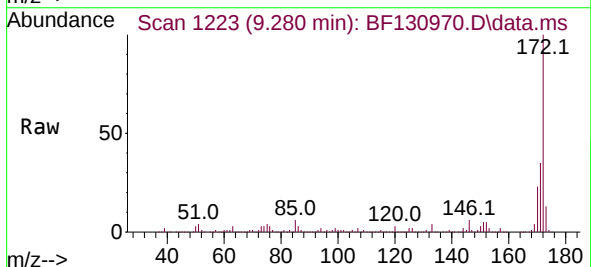
Tgt Ion: 330 Resp: 142865
Ion Ratio Lower Upper
330 100
332 98.1 76.2 114.4
141 34.0 31.4 47.0

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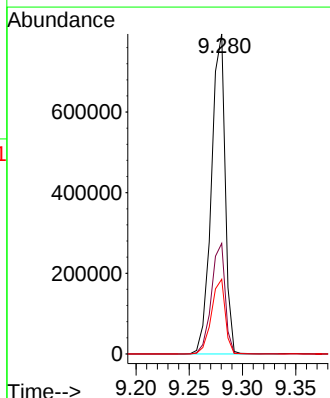
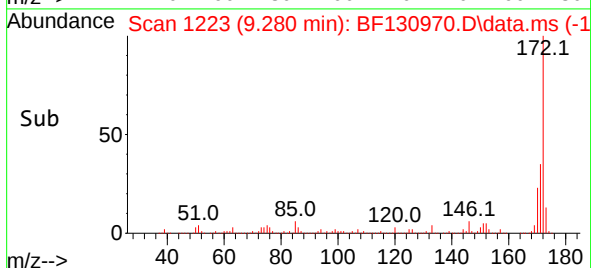
Reviewed By : Christian Giraldo 11/04/2022
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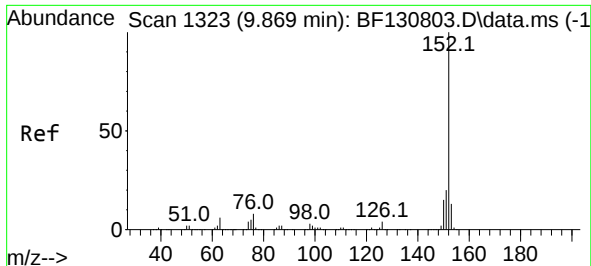


#45
2-Fluorobiphenyl
Concen: 87.561 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56



Tgt Ion: 172 Resp: 715550
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.3 19.0 28.4





#49

Acenaphthylene

Concen: 5.613 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

ClientSampleId :

TP-A

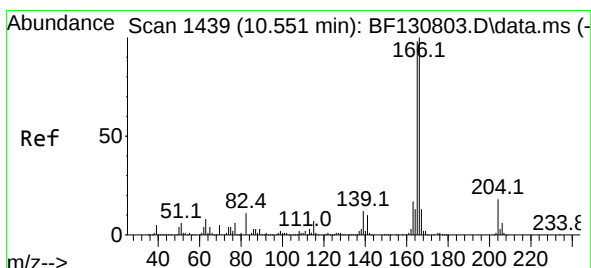
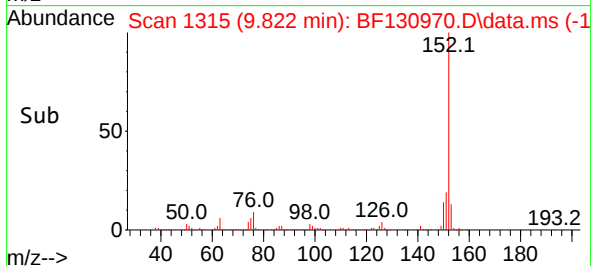
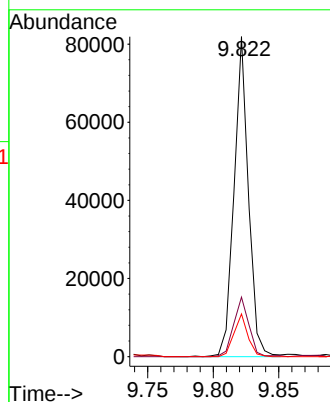
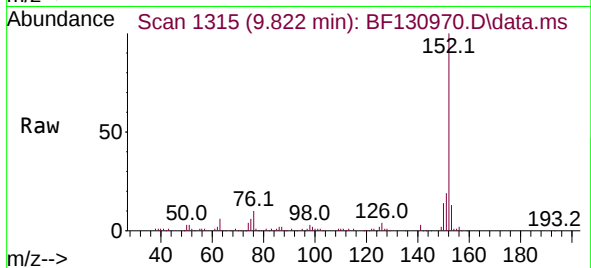
Tgt Ion:	152	Resp:	62603
Ion Ratio	Lower	Upper	
152	100		
151	18.6	15.8	23.8
153	13.3	10.2	15.4

Manual Integrations

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#58

Fluorene

Concen: 3.993 ng

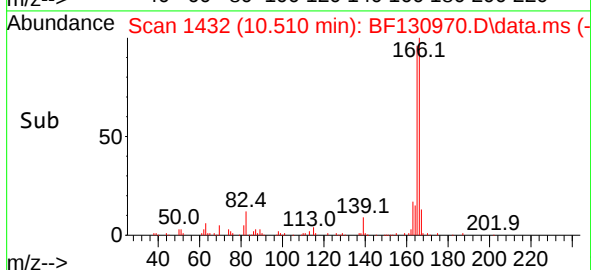
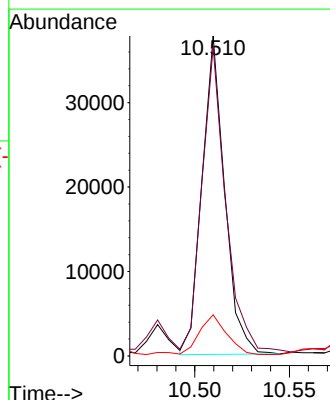
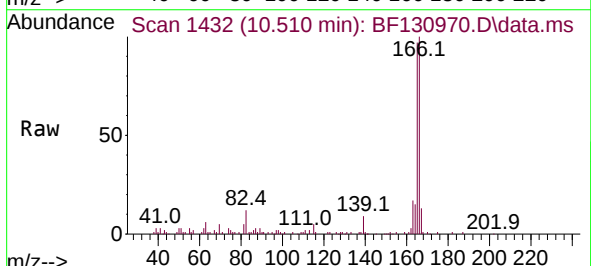
RT: 10.510 min Scan# 1432

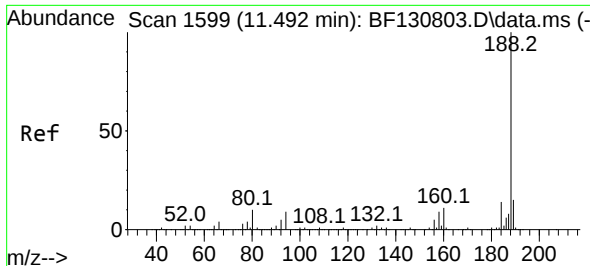
Delta R.T. -0.006 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Tgt Ion:	166	Resp:	31429
Ion Ratio	Lower	Upper	
166	100		
165	96.7	78.1	117.1
167	12.8	10.4	15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

ClientSampleId :

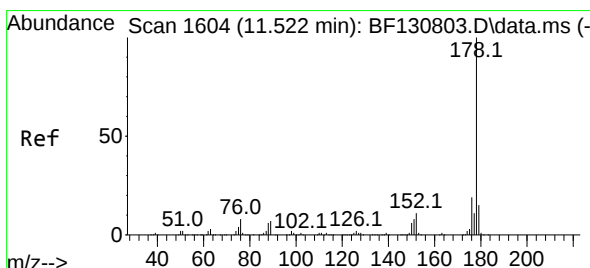
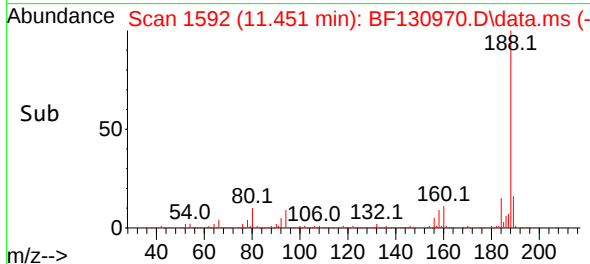
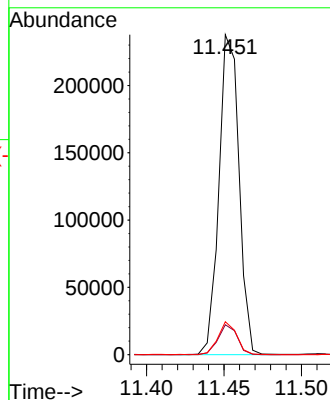
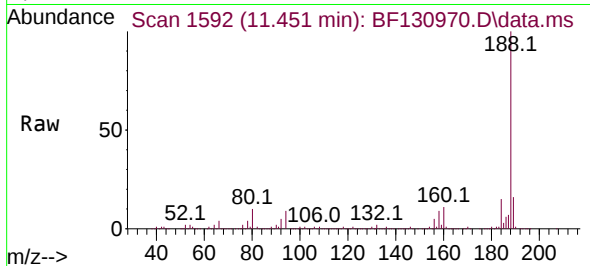
TP-A

Tgt Ion:188 Resp: 214311
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.3 8.0 12.0

Manual Integrations

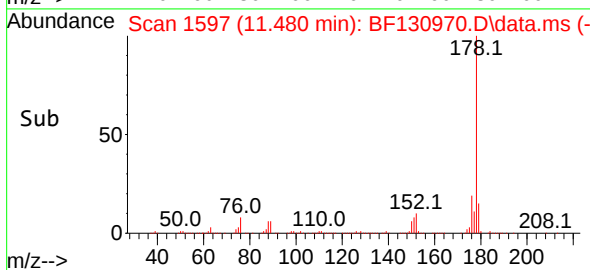
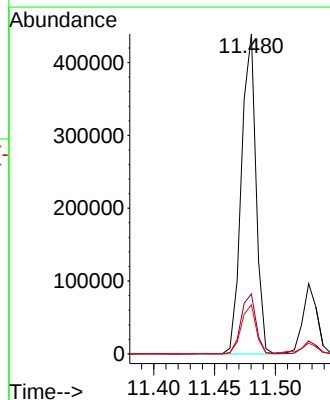
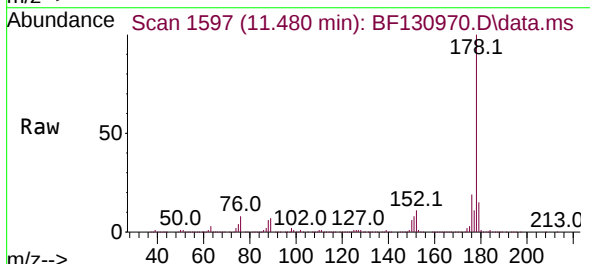
APPROVED

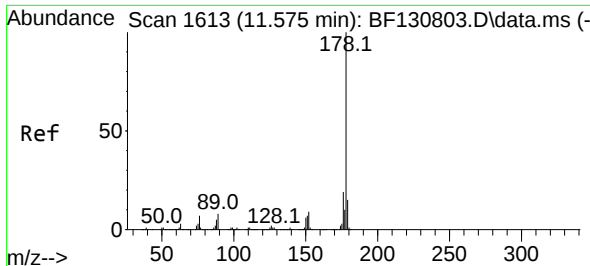
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#71
Phenanthrene
Concen: 33.082 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

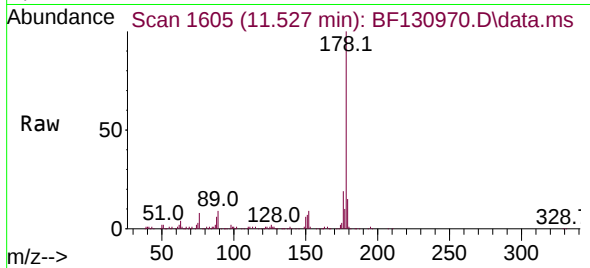
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Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.3 12.2 18.2





#72
 Anthracene
 Concen: 6.888 ng
 RT: 11.527 min Scan# 1605
 Delta R.T. -0.006 min
 Lab File: BF130970.D
 Acq: 03 Nov 2022 20:56

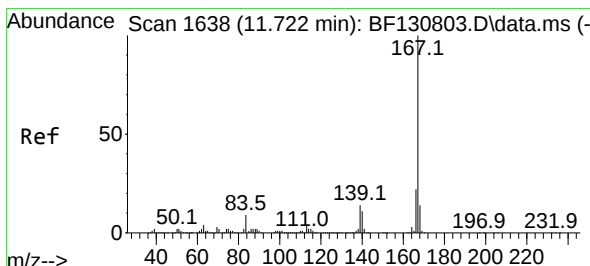
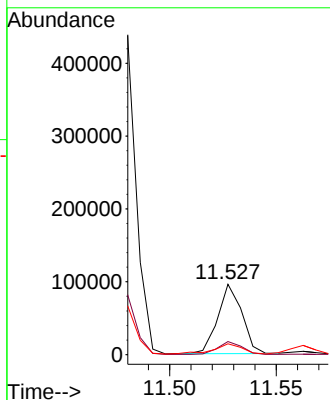
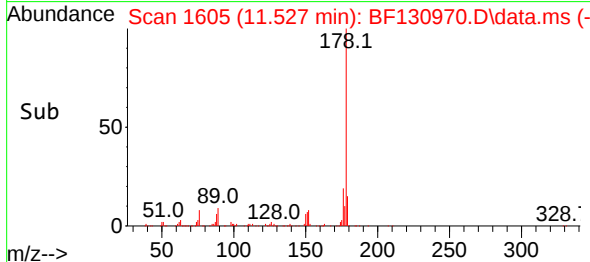
Instrument :
 BNA_F
 ClientSampleId :
 TP-A



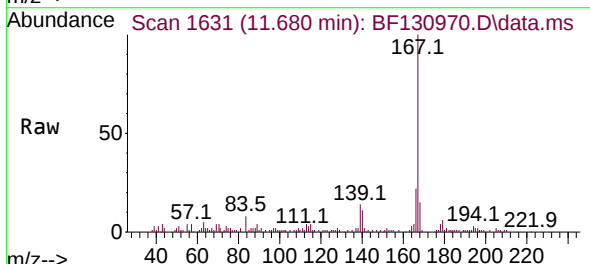
Tgt Ion:178 Resp: 75146
 Ion Ratio Lower Upper
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 176 18.5 15.4 23.0
 179 15.5 12.2 18.4

Manual Integrations
 APPROVED

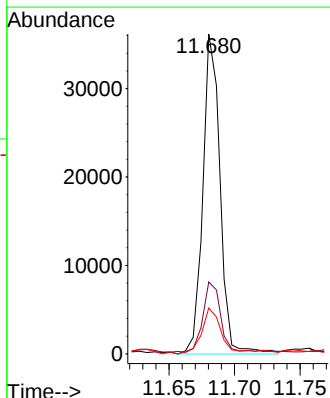
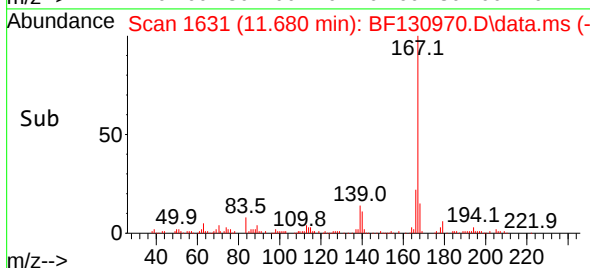
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022

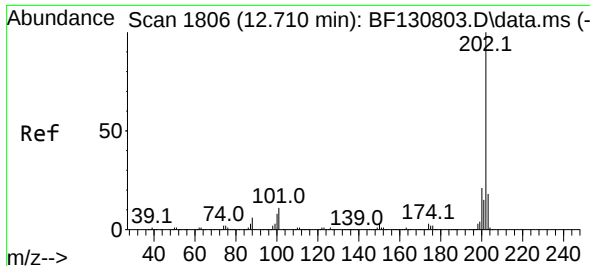


#73
 Carbazole
 Concen: 3.376 ng
 RT: 11.680 min Scan# 1631
 Delta R.T. -0.006 min
 Lab File: BF130970.D
 Acq: 03 Nov 2022 20:56



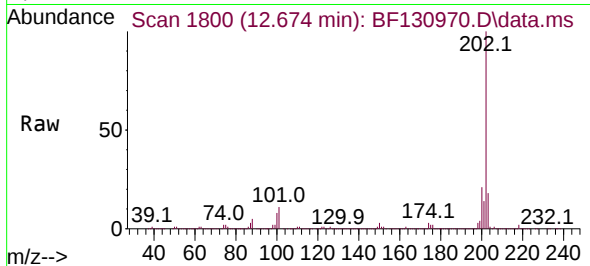
Tgt Ion:167 Resp: 32982
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.4 26.0
 139 14.3 11.3 16.9





#75
Fluoranthene
Concen: 65.751 ng
RT: 12.674 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

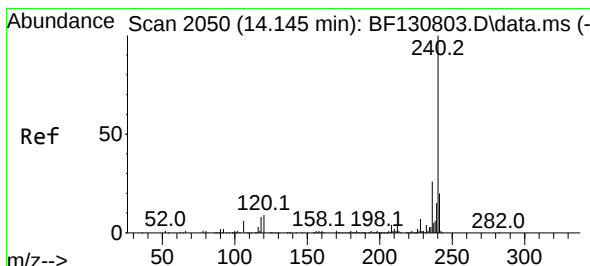
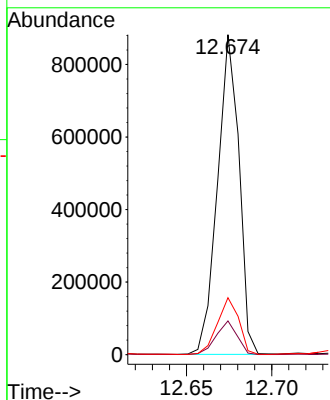
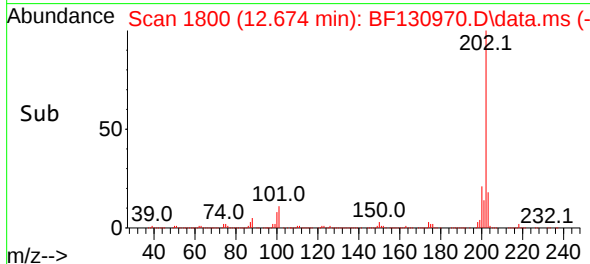
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion:202 Resp: 772742
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.9
203 17.8 0.0 37.7

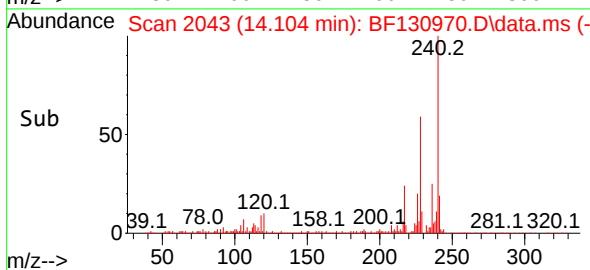
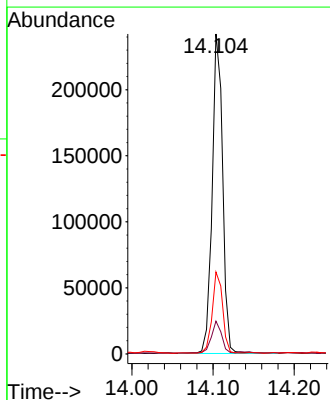
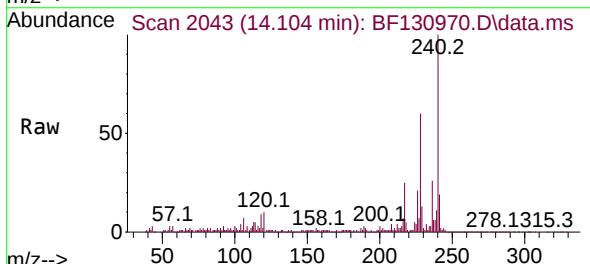
Manual Integrations
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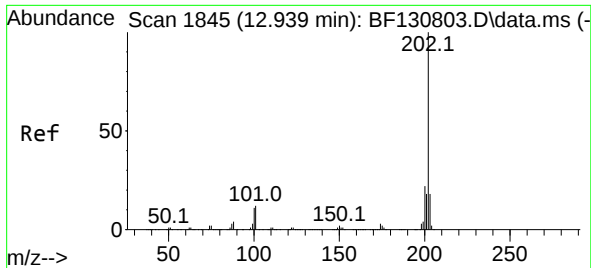
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

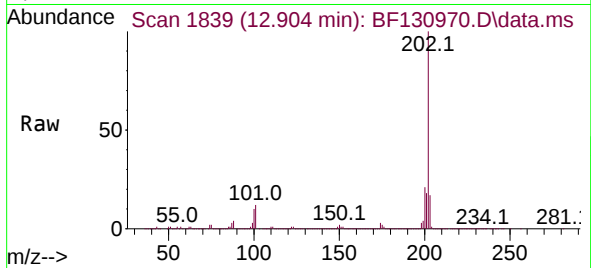
Tgt Ion:240 Resp: 217713
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.4
236 25.6 20.5 30.7





#78
Pyrene
Concen: 38.283 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

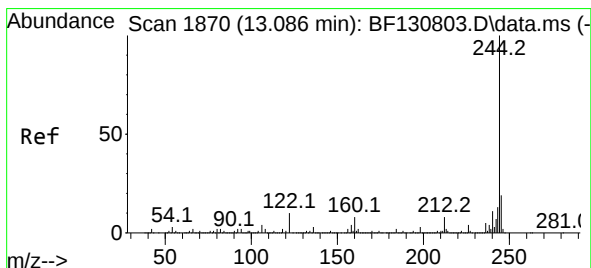
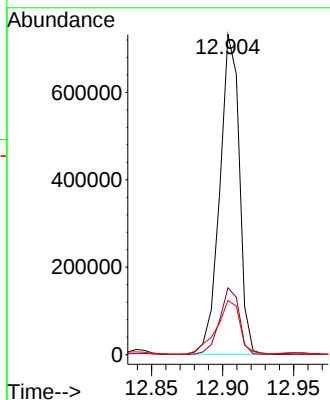
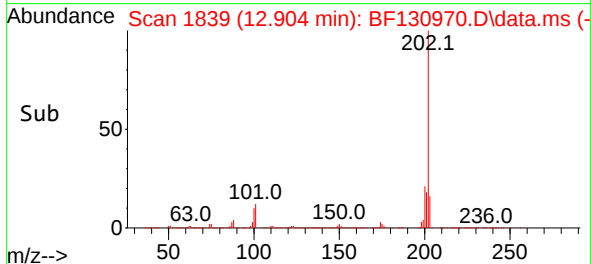
Instrument :
BNA_F
ClientSampleId :
TP-A



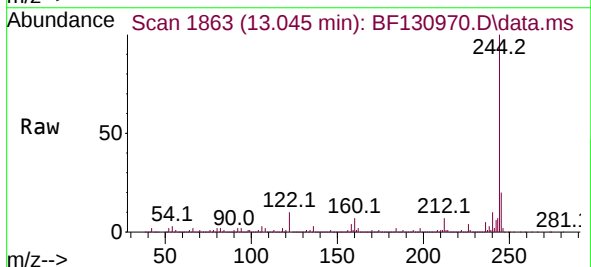
Tgt Ion:202 Resp: 703174
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 16.9 14.5 21.7

Manual Integrations
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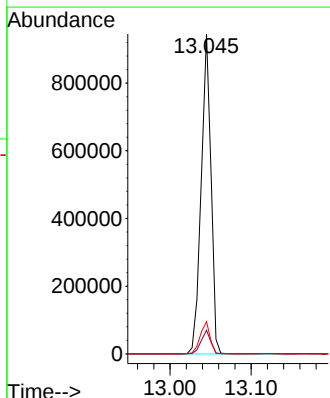
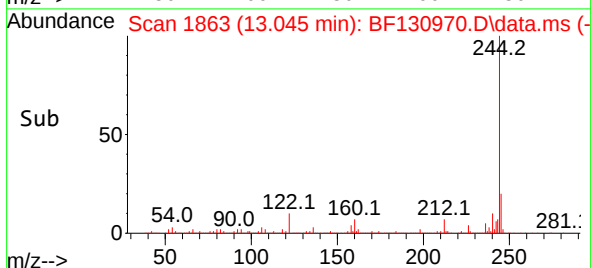
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

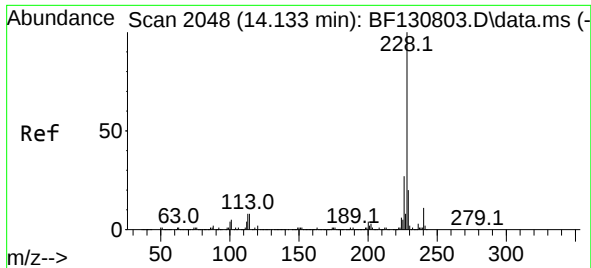


#79
Terphenyl-d14
Concen: 66.444 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56



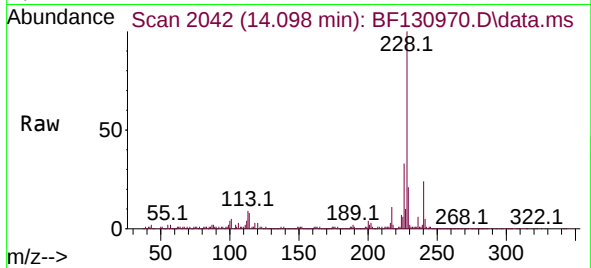
Tgt Ion:244 Resp: 789415
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.2
122 10.1 7.9 11.9





#81
Benzo(a)anthracene
Concen: 29.202 ng m
RT: 14.098 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

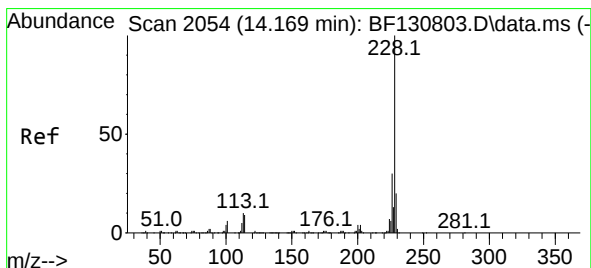
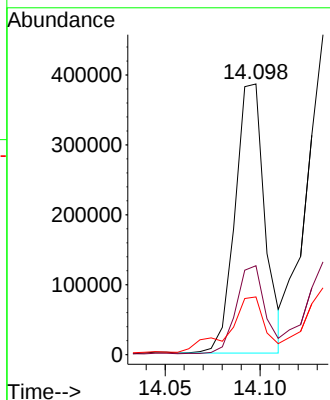
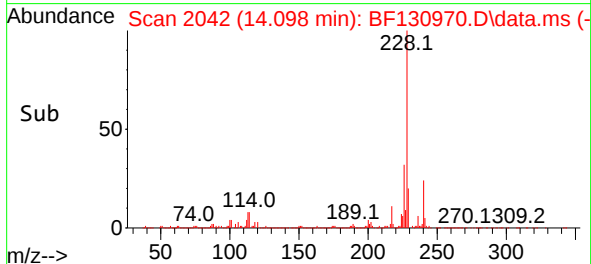
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion:228 Resp: 421510
Ion Ratio Lower Upper
228 100
226 32.9 21.4 32.2
229 21.3 15.8 23.6

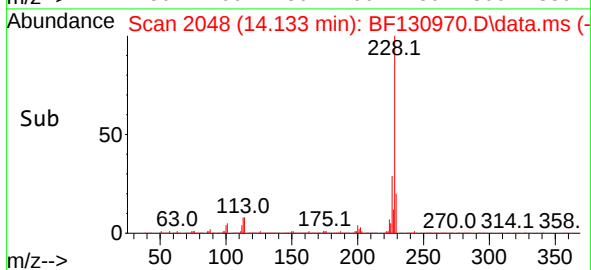
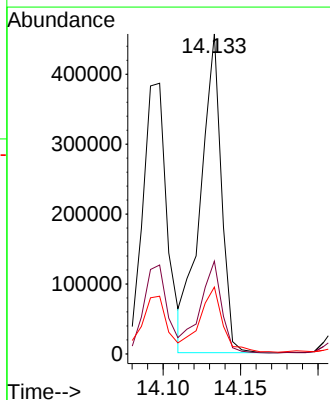
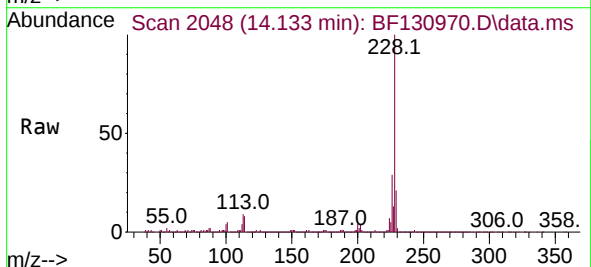
Manual Integrations
APPROVED

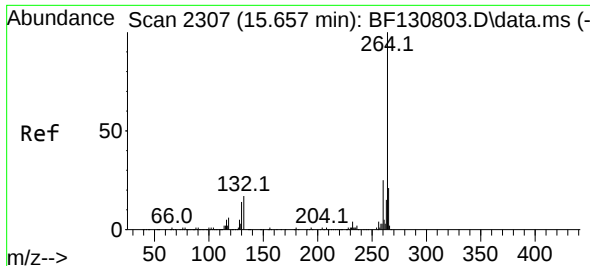
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#83
Chrysene
Concen: 30.796 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

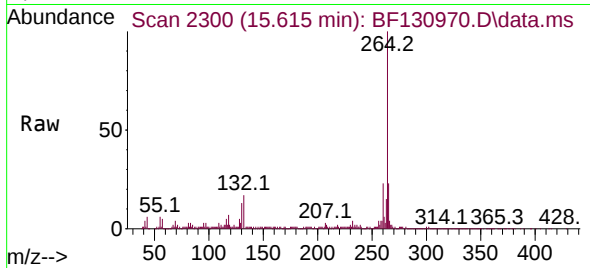
Tgt Ion:228 Resp: 428771
Ion Ratio Lower Upper
228 100
226 29.0 23.9 35.9
229 20.9 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

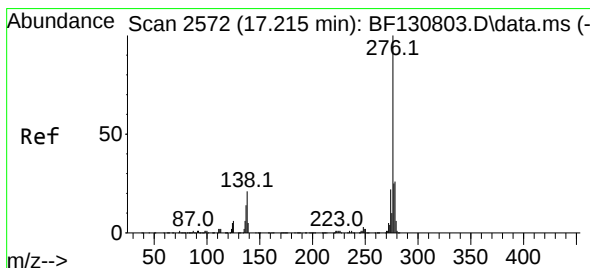
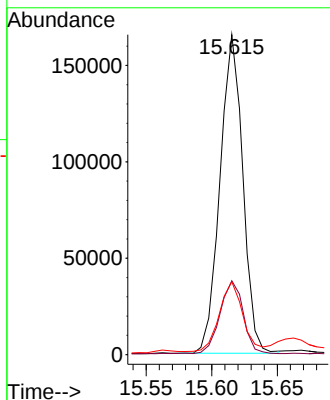
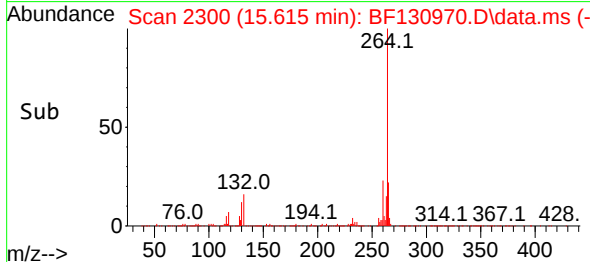
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion:264 Resp: 200540
Ion Ratio Lower Upper
264 100
260 23.1 19.9 29.9
265 22.8 17.0 25.6

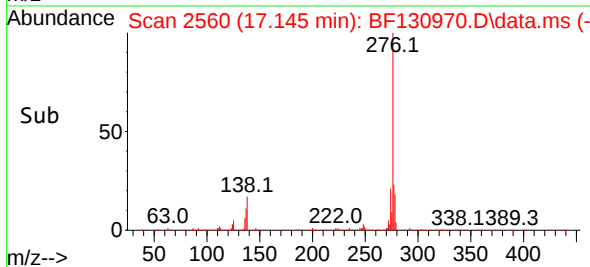
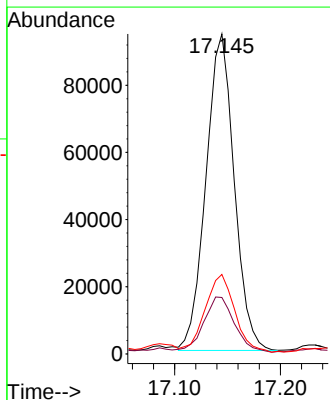
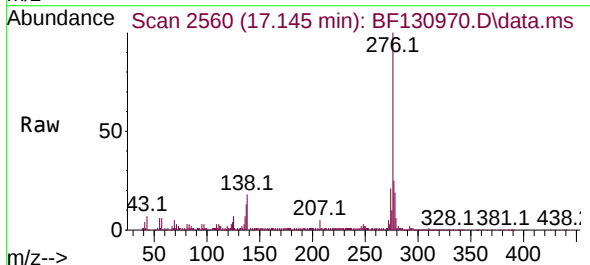
Manual Integrations
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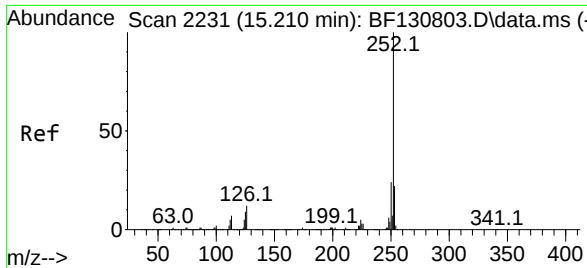
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 13.139 ng m
RT: 17.145 min Scan# 2560
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

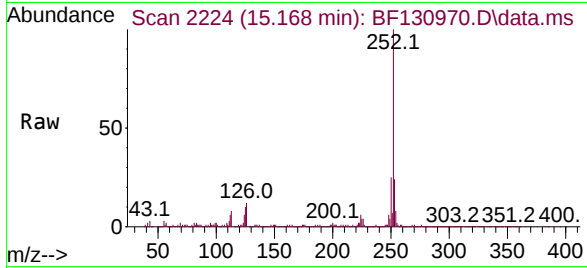
Tgt Ion:276 Resp: 174981
Ion Ratio Lower Upper
276 100
138 4.0 19.1 28.7#
277 4.9 20.1 30.1#





#88
Benzo(b)fluoranthene
Concen: 38.405 ng m
RT: 15.168 min Scan# 2229
Delta R.T. 0.006 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

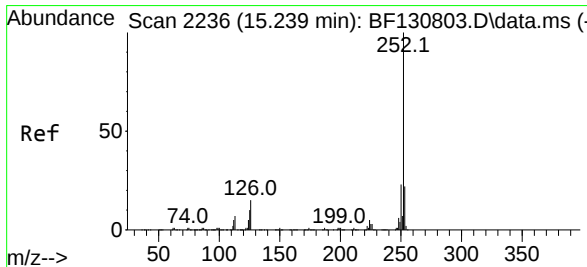
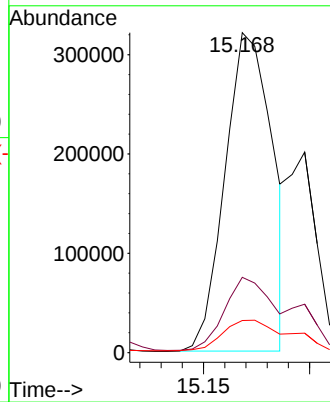
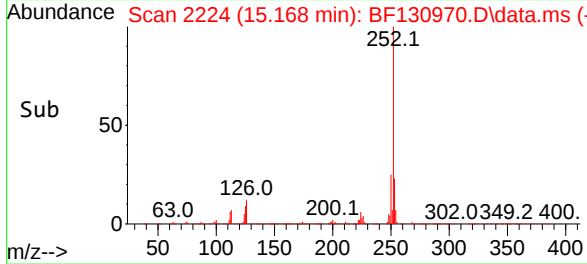
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion:252 Resp: 497869
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.0 7.0 10.4

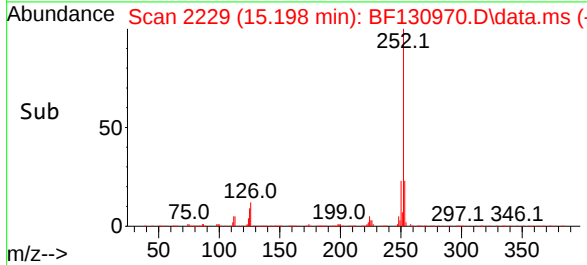
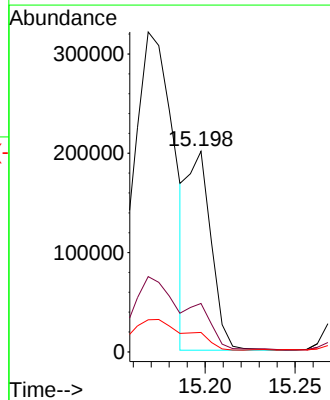
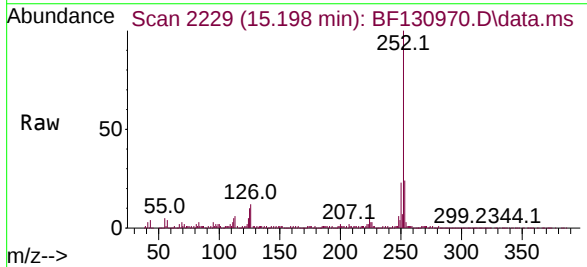
Manual Integrations
APPROVED

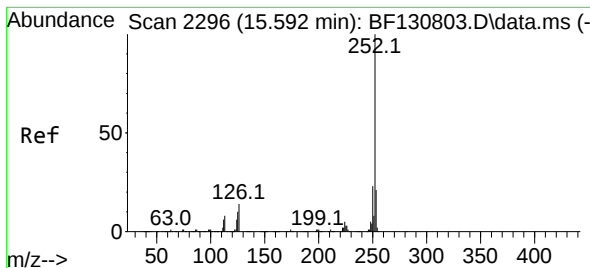
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#89
Benzo(k)fluoranthene
Concen: 14.505 ng m
RT: 15.198 min Scan# 2229
Delta R.T. -0.000 min
Lab File: BF130970.D
Acq: 03 Nov 2022 20:56

Tgt Ion:252 Resp: 183232
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 9.7 8.0 12.0





#90

Benzo(a)pyrene

Concen: 32.730 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

Instrument :

BNA_F

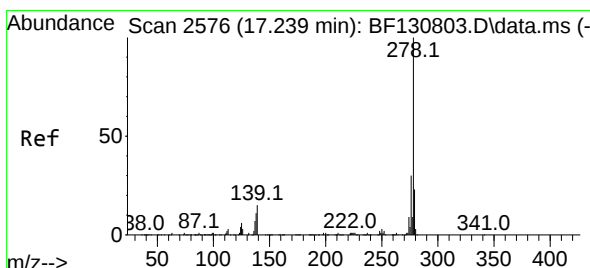
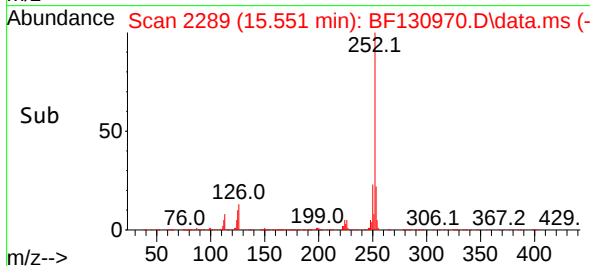
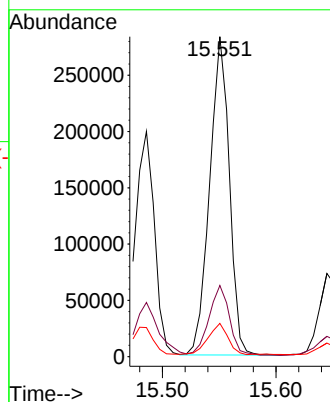
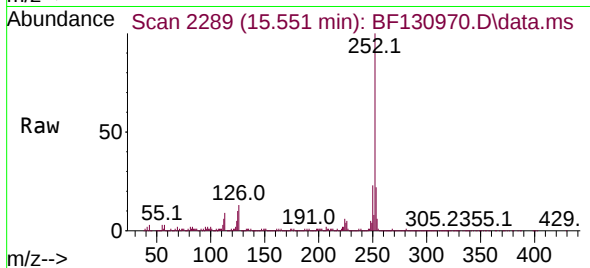
ClientSampleId :

TP-A

Tgt Ion:252 Resp: 341080
 Ion Ratio Lower Upper
 252 100
 253 22.2 16.8 25.2
 125 10.4 8.3 12.5

Manual Integrations
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Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#91

Dibenzo(a,h)anthracene

Concen: 4.260 ng

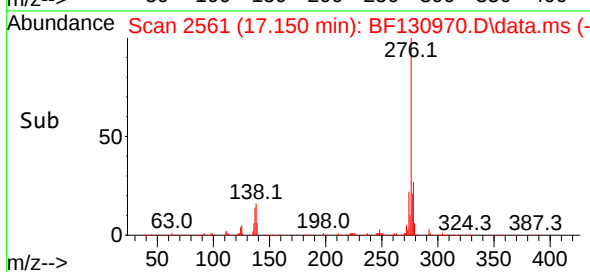
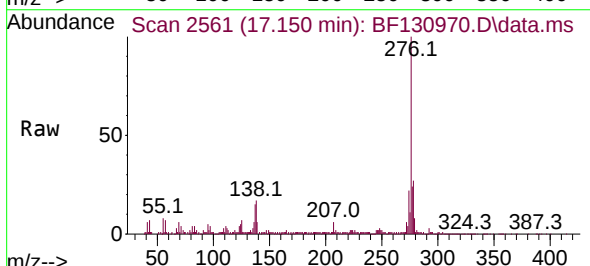
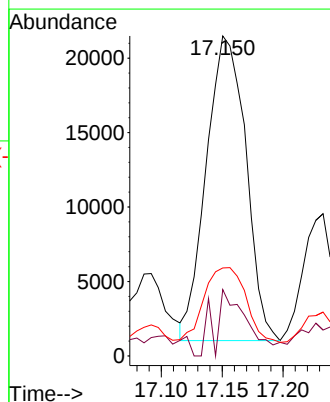
RT: 17.150 min Scan# 2561

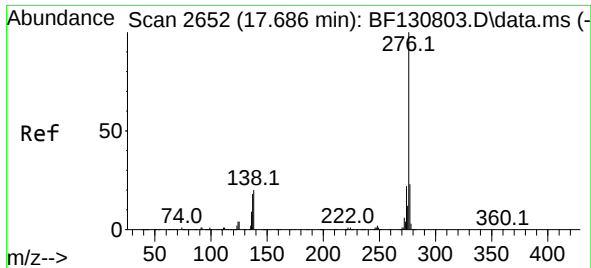
Delta R.T. -0.012 min

Lab File: BF130970.D

Acq: 03 Nov 2022 20:56

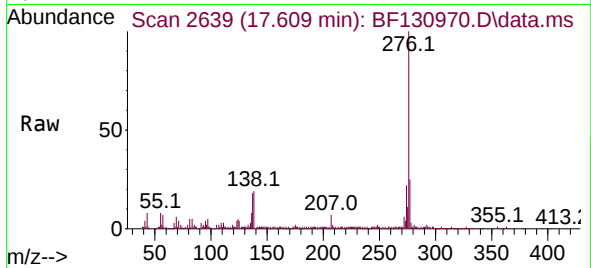
Tgt Ion:278 Resp: 46245
 Ion Ratio Lower Upper
 278 100
 139 20.7 11.9 17.9#
 279 27.5 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 13.704 ng
 RT: 17.609 min Scan# 2639
 Delta R.T. -0.000 min
 Lab File: BF130970.D
 Acq: 03 Nov 2022 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-A



Tgt Ion: 276 Resp: 15178
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.8 28.2
 138 19.4 16.3 24.5

Manual Integrations
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Reviewed By : Christian Giraldo 11/04/2022
 Supervised By : Sohil Jodhani 11/04/2022

