

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130862.D
 Acq On : 29 Oct 2022 17:47
 Operator : CG\JU
 Sample : N5339-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102722

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 30 23:25:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	72247	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	239790	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	103911	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	182971	20.000	ng	0.00
76) Chrysene-d12	14.127	240	148464	20.000	ng	# 0.00
86) Perylene-d12	15.645	264	105276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	446828	107.219	ng	0.00
7) Phenol-d6	6.557	99	544939	100.625	ng	0.00
23) Nitrobenzene-d5	7.504	82	346470	87.125	ng	-0.01
42) 2,4,6-Tribromophenol	10.775	330	99273	113.491	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	544750	79.260	ng	0.00
79) Terphenyl-d14	13.074	244	554678	68.463	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.851	152	20719	2.209	ng	95
52) Acenaphthene	10.022	154	22635	3.902	ng	98
55) Dibenzofuran	10.192	168	25130	2.989	ng	96
58) Fluorene	10.533	166	34975	5.283	ng	98
71) Phenanthrene	11.504	178	241419	25.564	ng	99
72) Anthracene	11.557	178	77230	8.291	ng	99
75) Fluoranthene	12.698	202	432623	43.116	ng	100
78) Pyrene	12.933	202	390184	31.151	ng	99
81) Benzo(a)anthracene	14.121	228	207208	21.051	ng	94
83) Chrysene	14.157	228	184620	19.445	ng	97
87) Indeno(1,2,3-cd)pyrene	17.192	276	70824m	10.131	ng	
88) Benzo(b)fluoranthene	15.198	252	193018m	28.363	ng	
89) Benzo(k)fluoranthene	15.221	252	64281m	9.694	ng	
90) Benzo(a)pyrene	15.580	252	127267	23.263	ng	# 93
91) Dibenzo(a,h)anthracene	17.204	278	17207	3.019	ng	# 79
92) Benzo(g,h,i)perylene	17.662	276	65040	11.186	ng	99

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

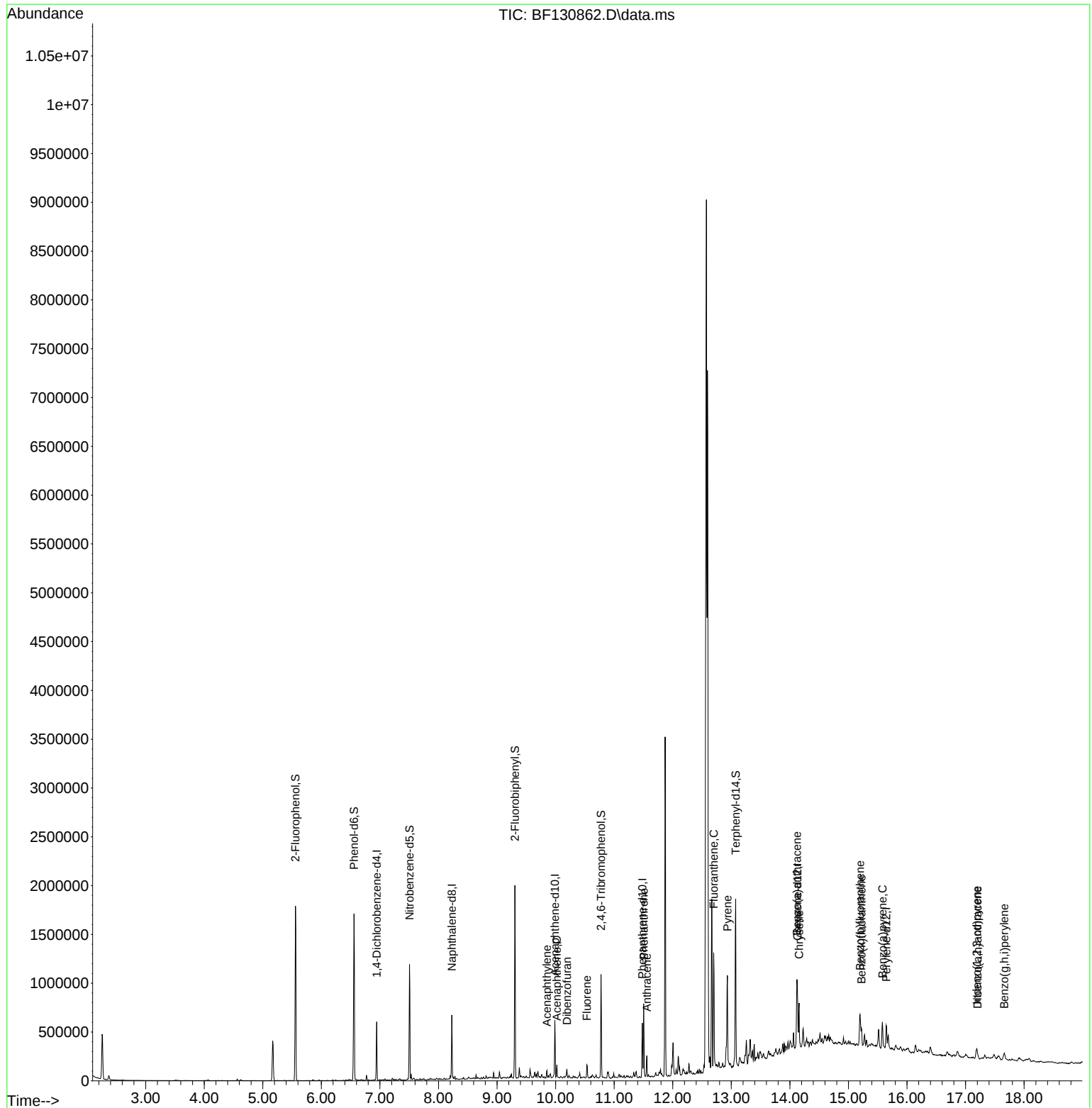
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130862.D
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ALS Vial : 13 Sample Multiplier: 1

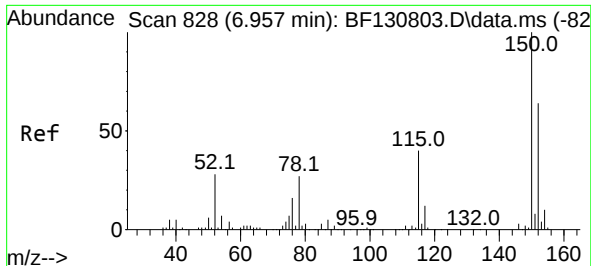
Instrument :
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Quant Time: Oct 30 23:25:42 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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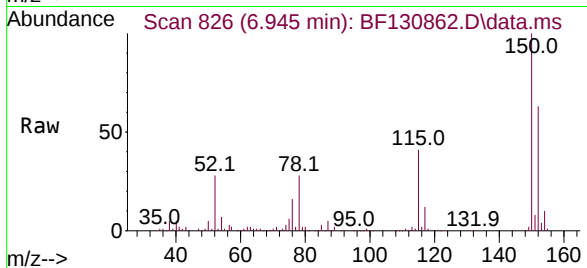
Reviewed By : Christian Giraldo 10/31/2022
Supervised By : Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

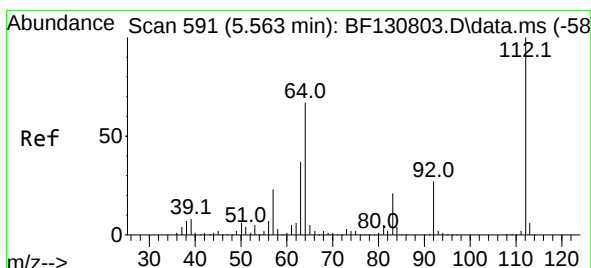
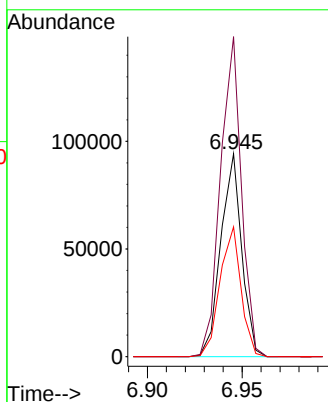
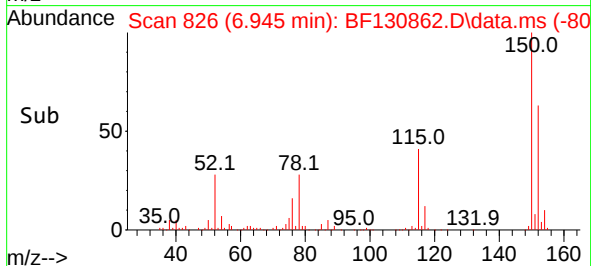
Instrument :
BNA_F
ClientSampleId :
NB-07-102722



Tgt Ion:152 Resp: 7224
Ion Ratio Lower Upper
152 100
150 157.8 124.1 186.1
115 64.0 50.1 75.1

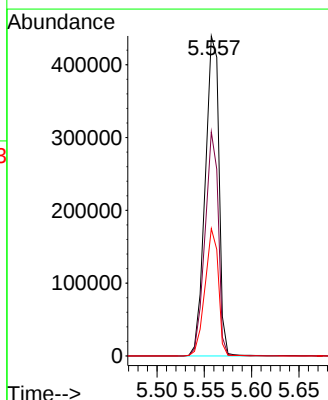
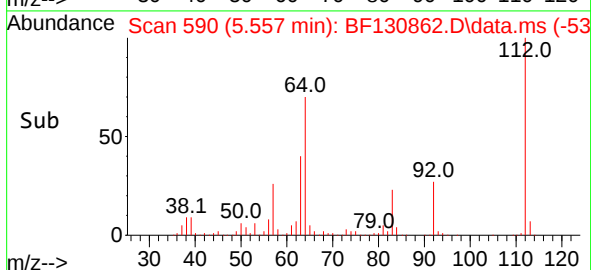
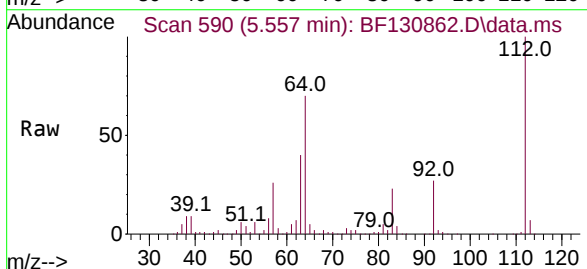
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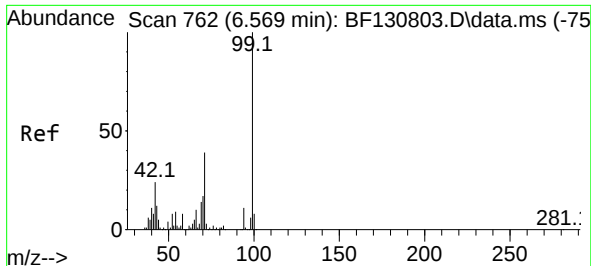
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#5
2-Fluorophenol
Concen: 107.219 ng
RT: 5.557 min Scan# 590
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

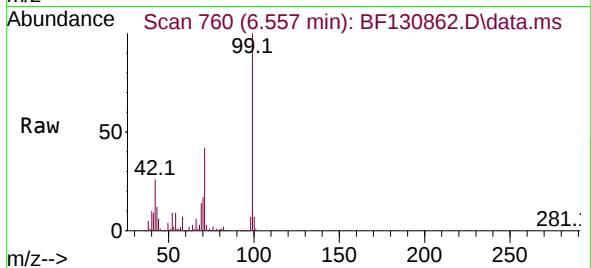
Tgt Ion:112 Resp: 446828
Ion Ratio Lower Upper
112 100
64 70.0 53.9 80.9
63 39.8 29.4 44.2





#7
Phenol-d6
Concen: 100.625 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

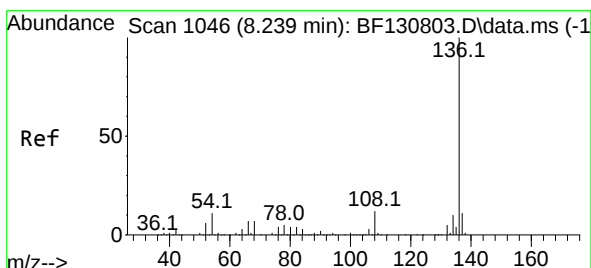
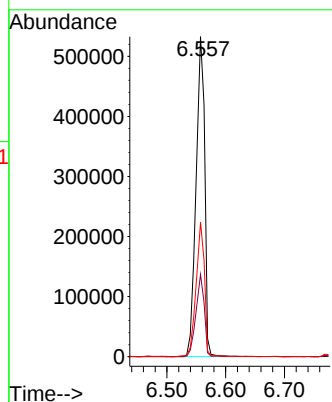
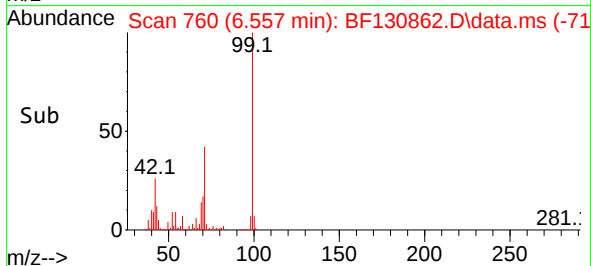
Instrument :
BNA_F
ClientSampleId :
NB-07-102722



Tgt Ion: 99 Resp: 544939
Ion Ratio Lower Upper
99 100
42 25.7 18.8 28.2
71 42.1 31.4 47.0

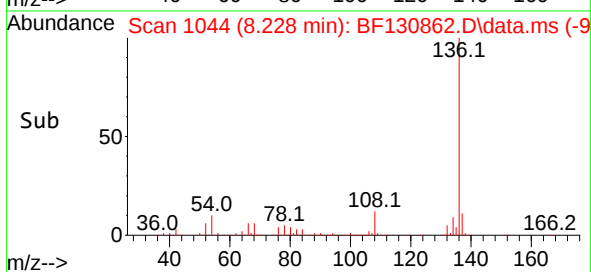
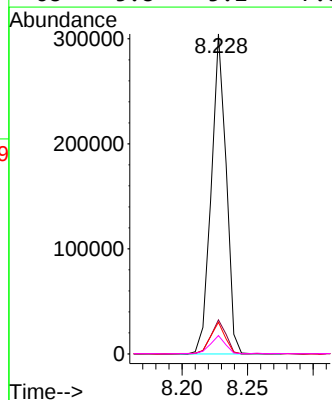
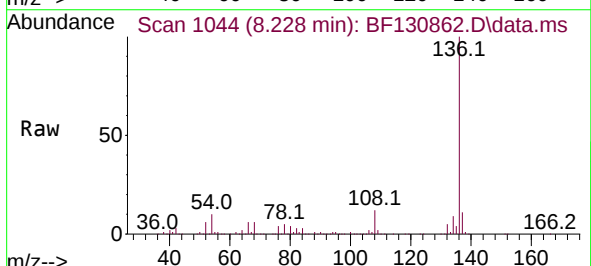
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

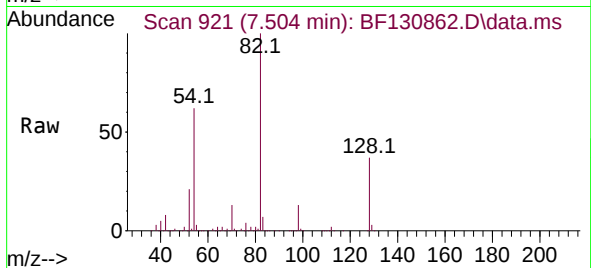
Tgt Ion:136 Resp: 239790
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 9.9 8.8 13.2
68 5.8 5.2 7.8





#23
Nitrobenzene-d5
Concen: 87.125 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

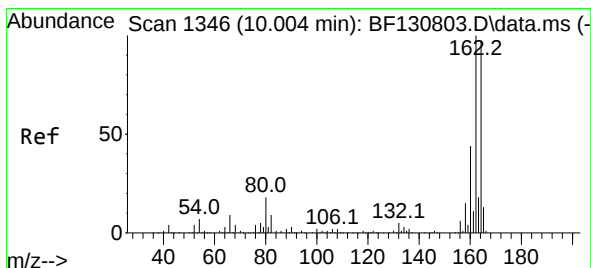
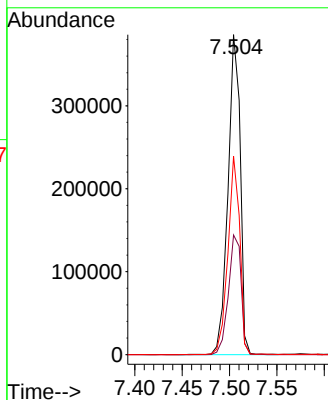
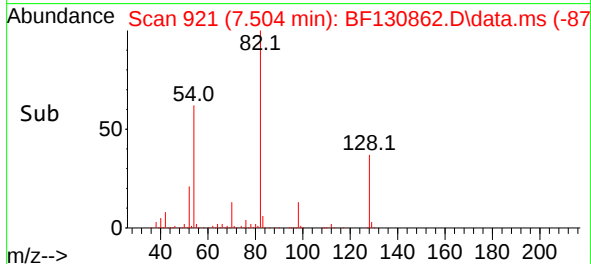
Instrument :
BNA_F
ClientSampleId :
NB-07-102722



Tgt Ion: 82 Resp: 346476
Ion Ratio Lower Upper
82 100
128 37.4 31.2 46.8
54 62.0 48.0 72.0

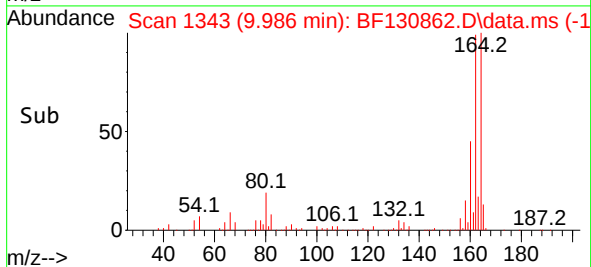
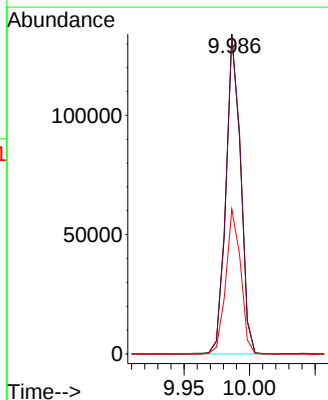
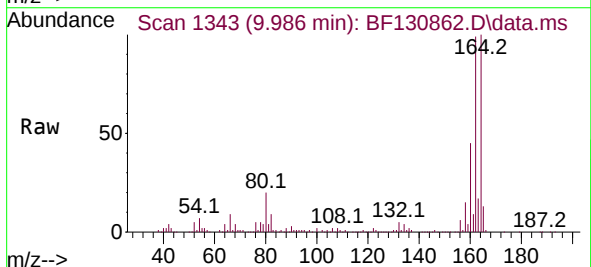
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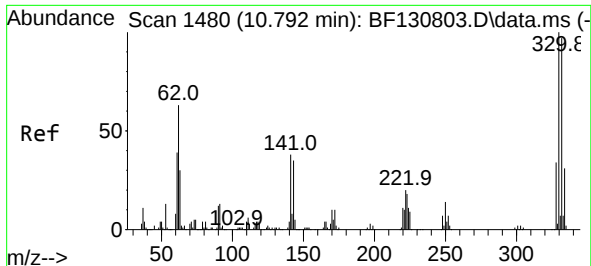
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:164 Resp: 103911
Ion Ratio Lower Upper
164 100
162 99.0 82.2 123.2
160 45.2 36.6 54.8





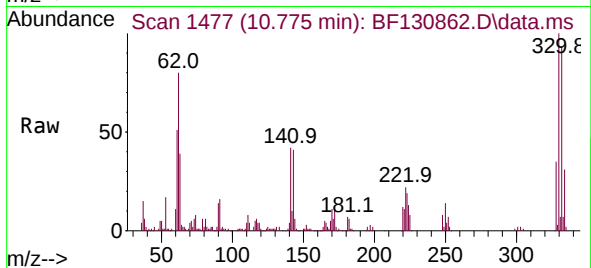
#42
2,4,6-Tribromophenol
Concen: 113.491 ng
RT: 10.775 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

NB-07-102722

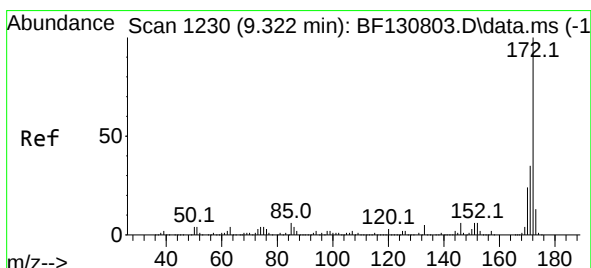
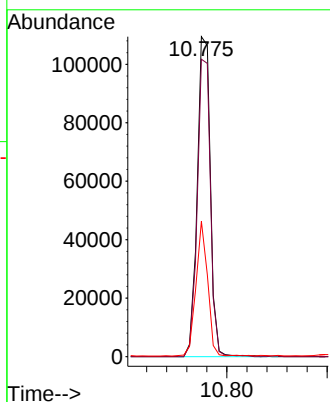
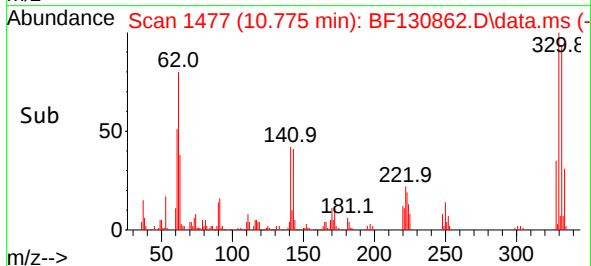


Tgt Ion: 330 Resp: 99273
Ion Ratio Lower Upper
330 100
332 93.1 76.2 114.4
141 37.2 31.4 47.0

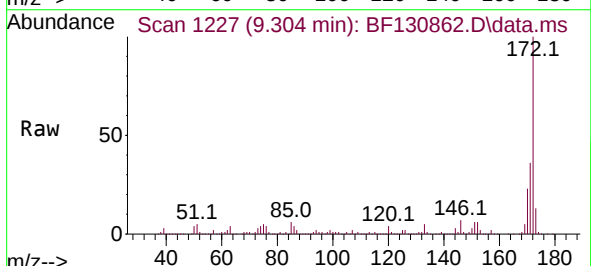
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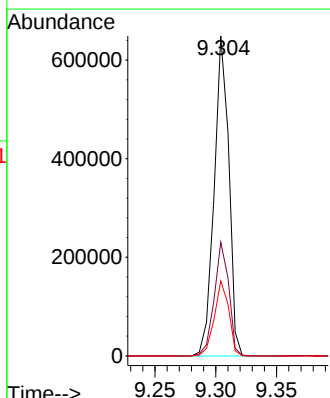
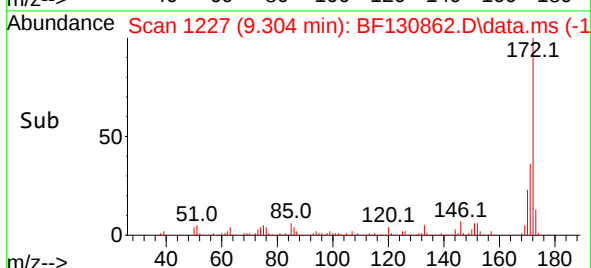
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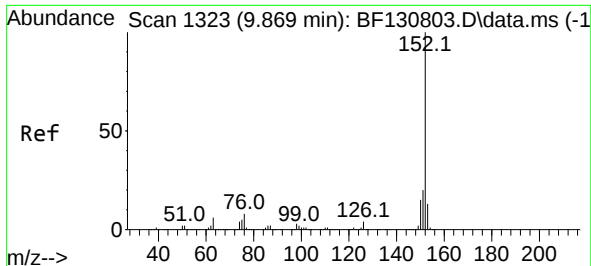


#45
2-Fluorobiphenyl
Concen: 79.260 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47



Tgt Ion: 172 Resp: 544750
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.4 19.0 28.4





#49

Acenaphthylene

Concen: 2.209 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

NB-07-102722

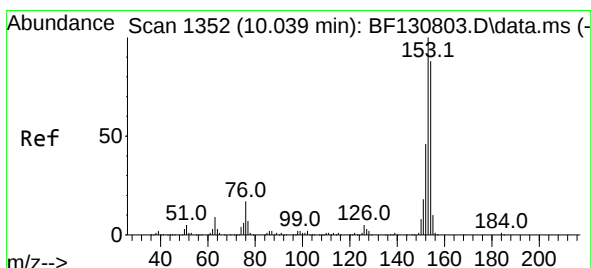
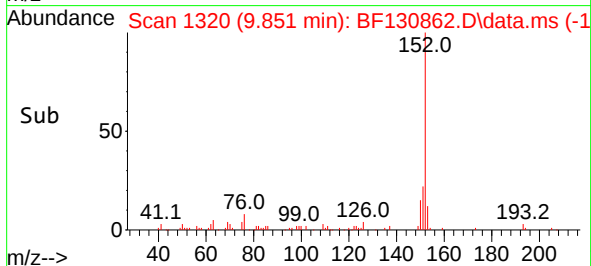
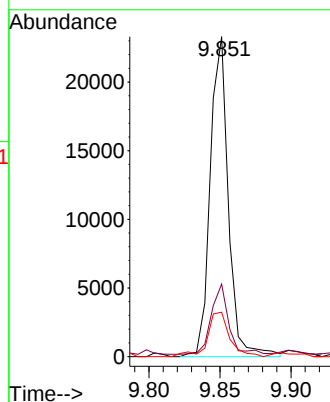
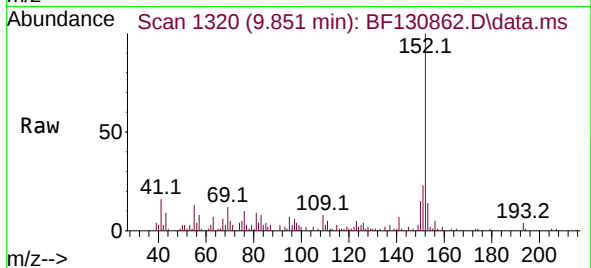
Tgt Ion:152	Resp:	20719
Ion Ratio	Lower	Upper
152	100	
151	22.7	15.8 23.8
153	13.9	10.2 15.4

Manual Integrations

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#52

Acenaphthene

Concen: 3.902 ng

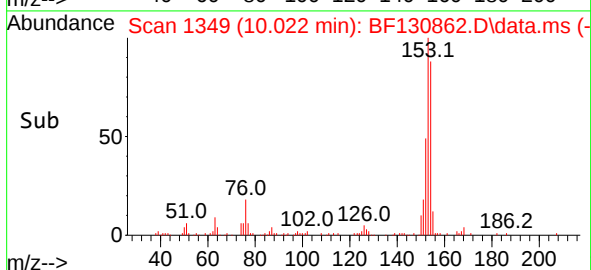
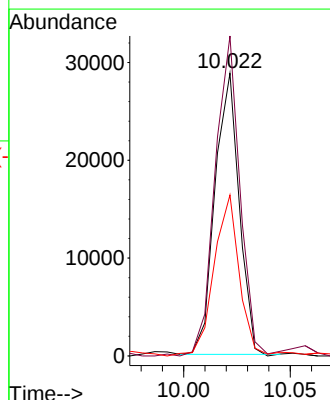
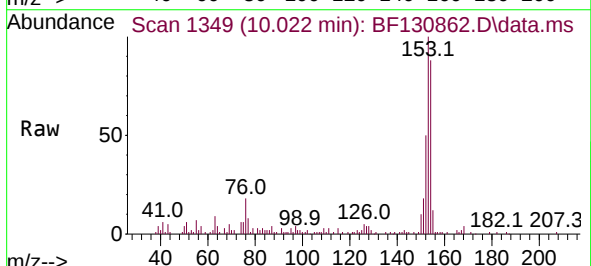
RT: 10.022 min Scan# 1349

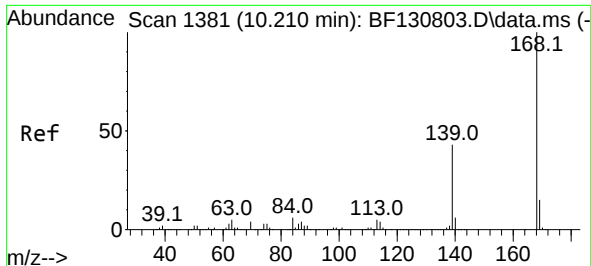
Delta R.T. -0.012 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

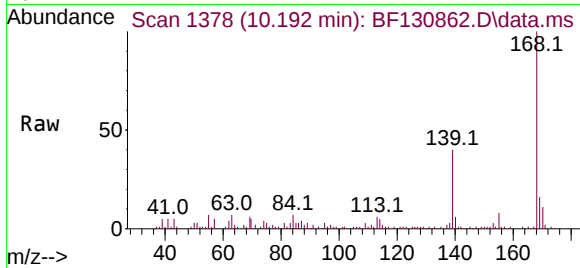
Tgt Ion:154	Resp:	22635
Ion Ratio	Lower	Upper
154	100	
153	113.2	90.5 135.7
152	56.9	42.0 63.0





#55
Dibenzenofuran
Concen: 2.989 ng
RT: 10.192 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

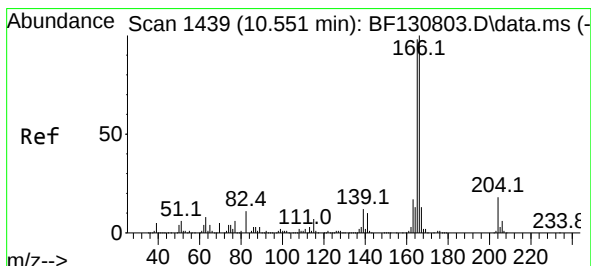
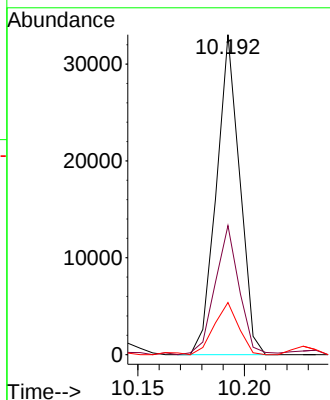
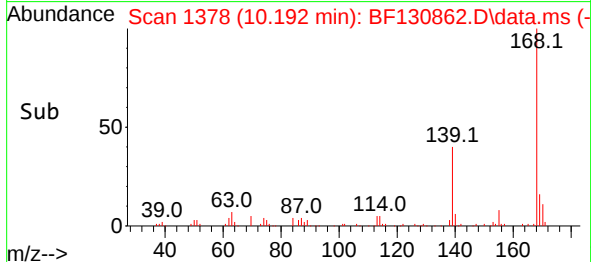
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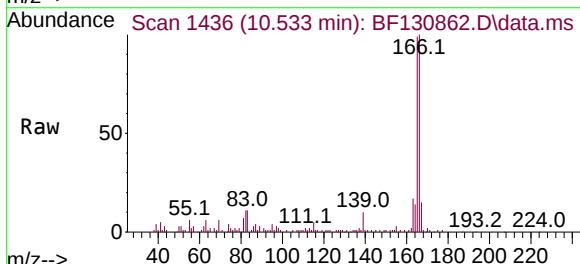
Tgt Ion:168 Resp: 25130
Ion Ratio Lower Upper
168 100
139 40.3 34.3 51.5
169 16.3 11.9 17.9

Manual Integrations
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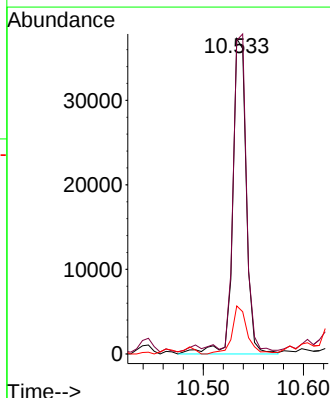
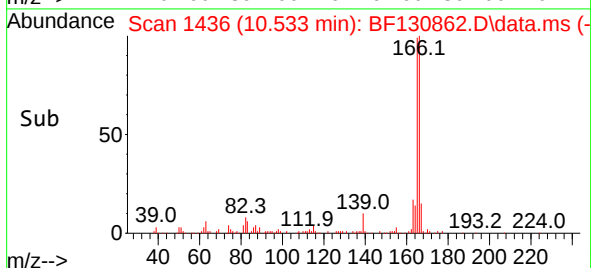
Reviewed By :Christian Giraldo 10/31/2022
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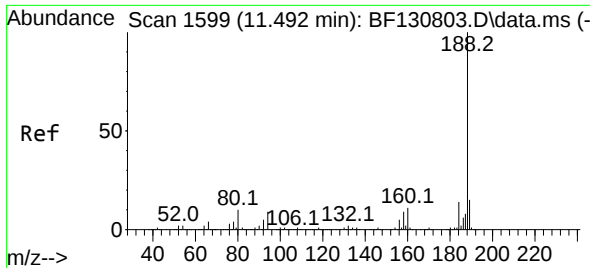


#58
Fluorene
Concen: 5.283 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47



Tgt Ion:166 Resp: 34975
Ion Ratio Lower Upper
166 100
165 99.5 78.1 117.1
167 15.2 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

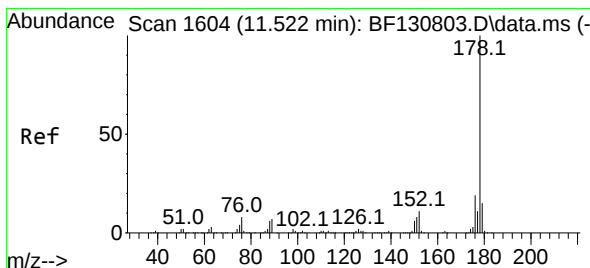
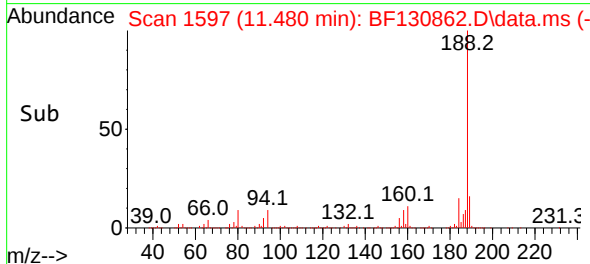
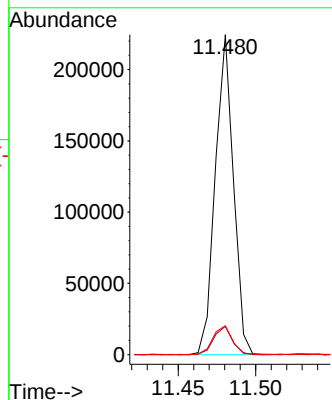
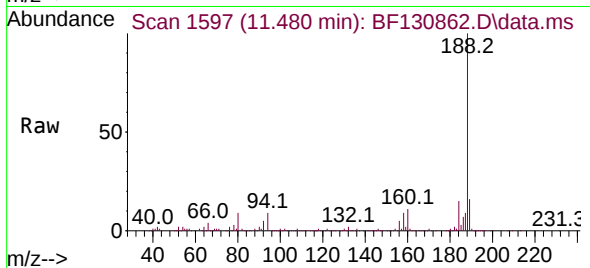
ClientSampleId :

NB-07-102722

Tgt Ion:188 Resp: 18297
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.0 8.0 12.0

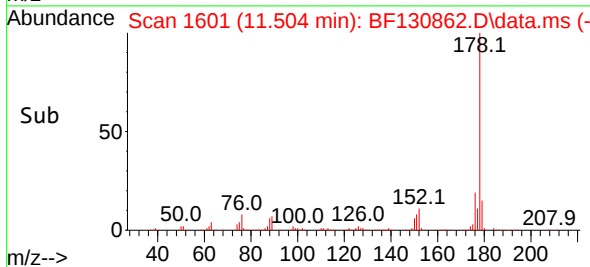
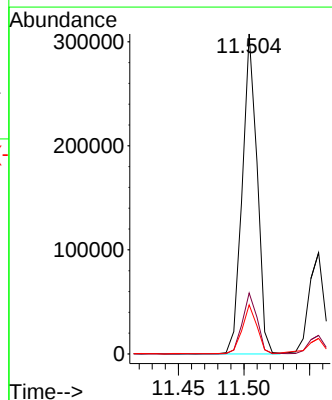
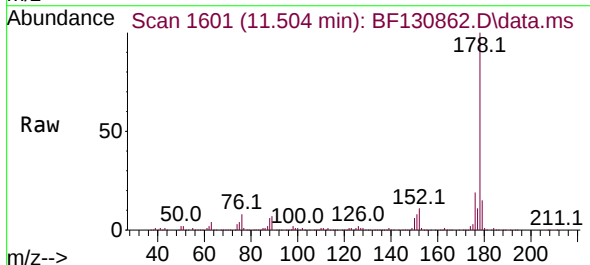
Manual Integrations
APPROVED

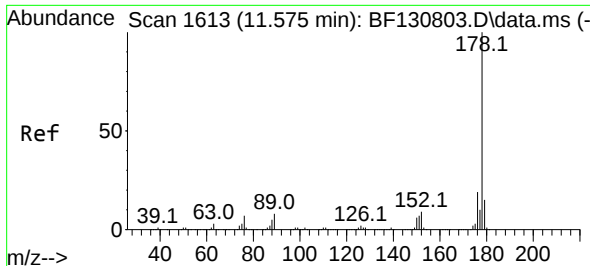
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 25.564 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:178 Resp: 241419
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.2 18.2





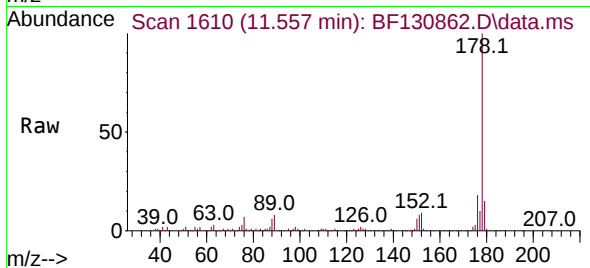
#72
 Anthracene
 Concen: 8.291 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.006 min
 Lab File: BF130862.D
 Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

NB-07-102722

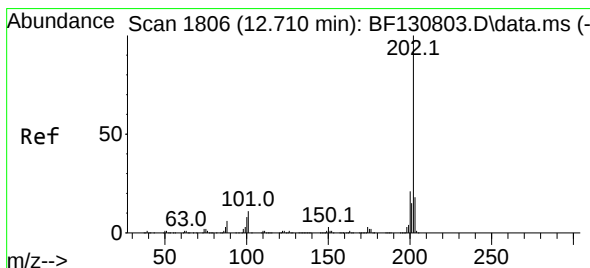
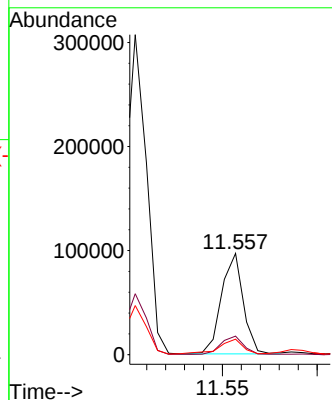
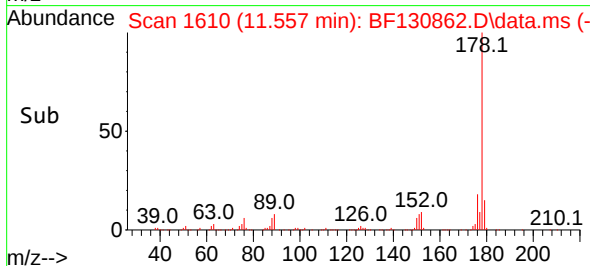


Tgt Ion:178 Resp: 77230
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.2 12.2 18.4

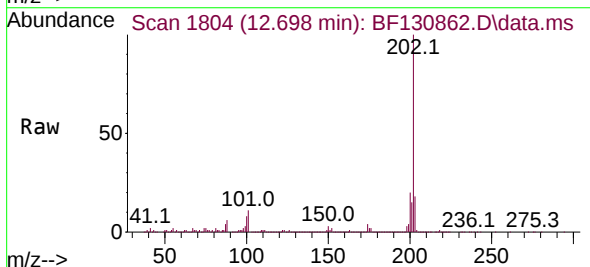
Manual Integrations

APPROVED

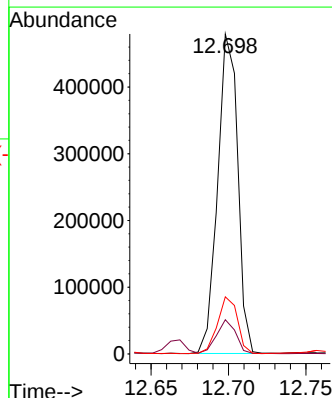
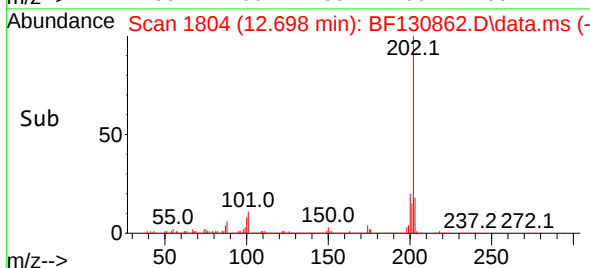
Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

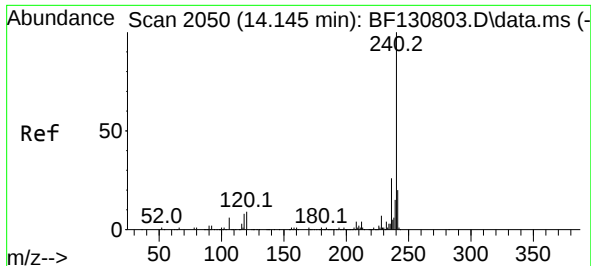


#75
 Fluoranthene
 Concen: 43.116 ng
 RT: 12.698 min Scan# 1804
 Delta R.T. -0.006 min
 Lab File: BF130862.D
 Acq: 29 Oct 2022 17:47



Tgt Ion:202 Resp: 432623
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.9
 203 17.8 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

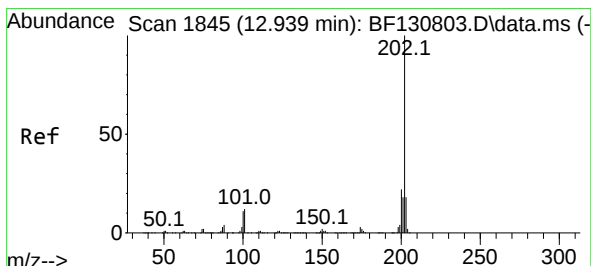
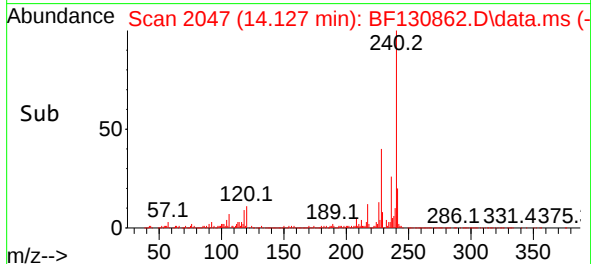
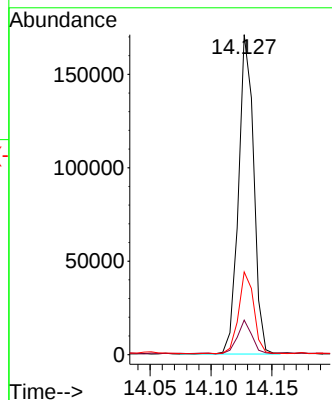
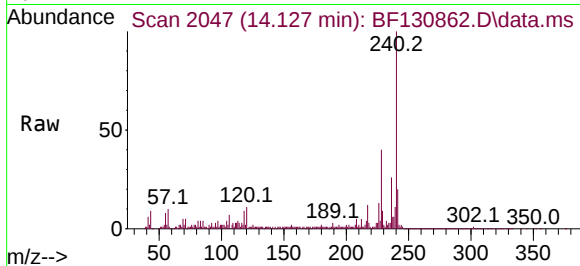
NB-07-102722

Tgt Ion:240 Resp: 148464
Ion Ratio Lower Upper
240 100
120 10.8 7.0 10.4
236 25.8 20.5 30.7

Manual Integrations

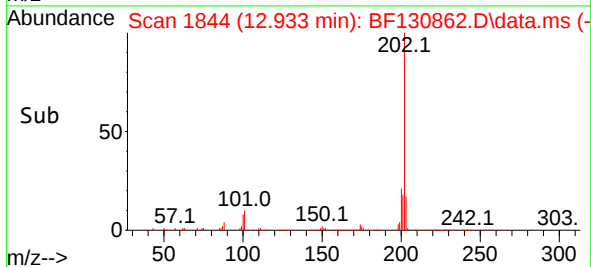
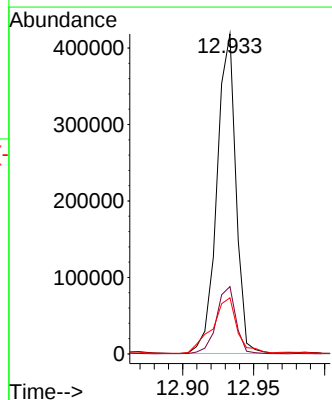
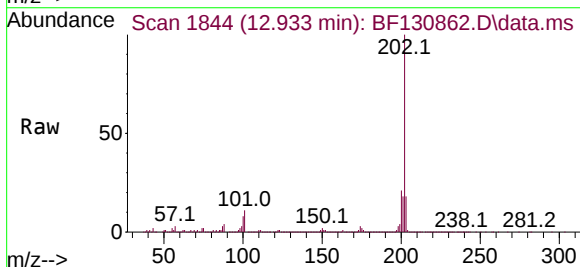
APPROVED

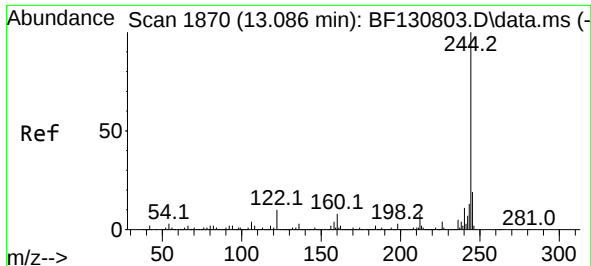
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#78
Pyrene
Concen: 31.151 ng
RT: 12.933 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

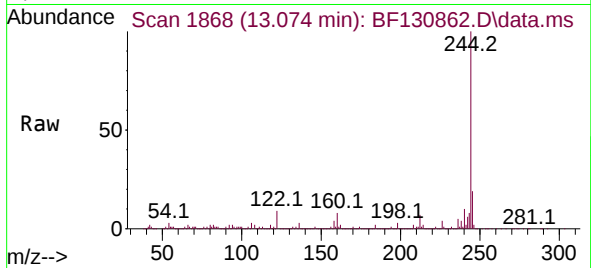
Tgt Ion:202 Resp: 390184
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.5 14.5 21.7





#79
Terphenyl-d14
Concen: 68.463 ng
RT: 13.074 min Scan# 1870
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

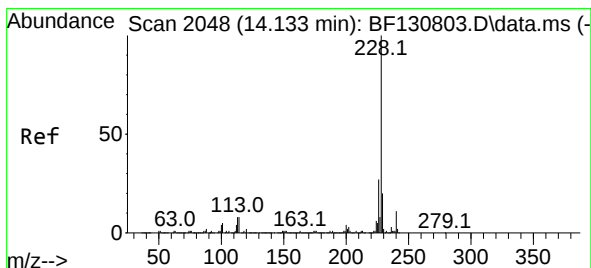
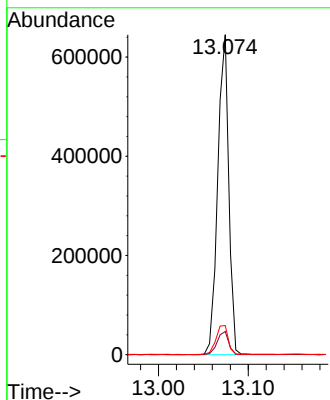
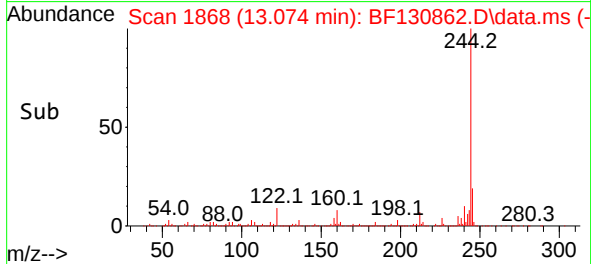
Instrument :
BNA_F
ClientSampleId :
NB-07-102722



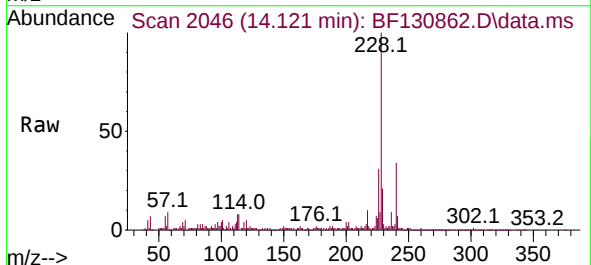
Tgt Ion:244 Resp: 554678
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.2
122 9.1 7.9 11.9

Manual Integrations
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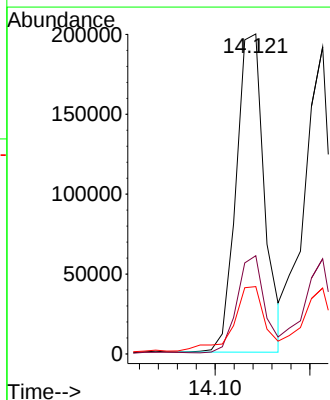
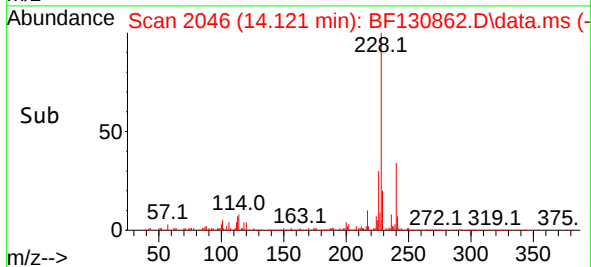
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

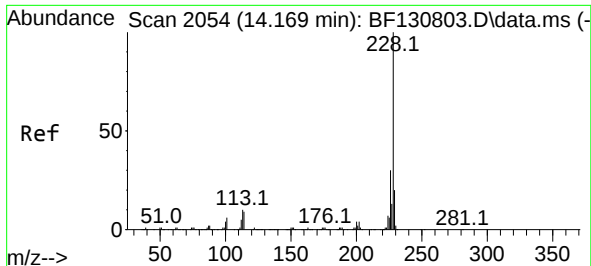


#81
Benzo(a)anthracene
Concen: 21.051 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47



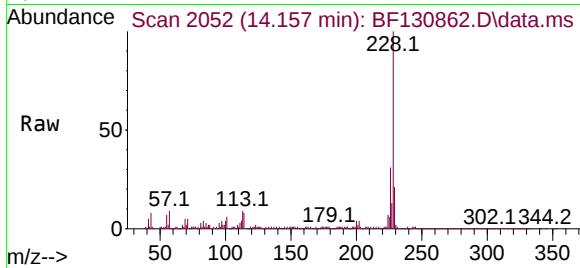
Tgt Ion:228 Resp: 207208
Ion Ratio Lower Upper
228 100
226 30.7 21.4 32.2
229 21.0 15.8 23.6





#83
Chrysene
Concen: 19.445 ng
RT: 14.157 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

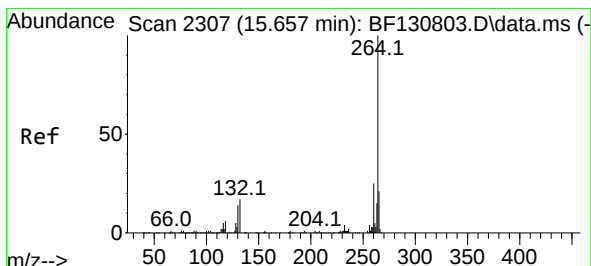
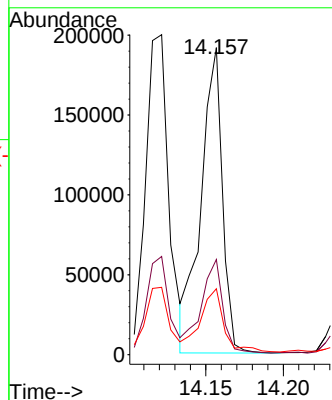
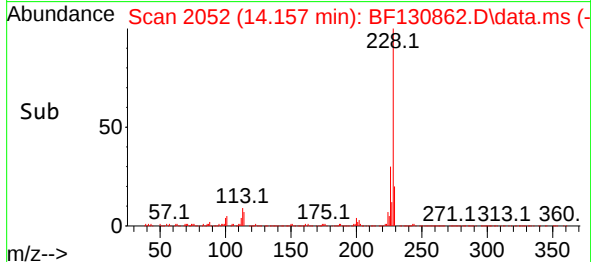
Instrument :
BNA_F
ClientSampleId :
NB-07-102722



Tgt Ion:228 Resp: 184620
Ion Ratio Lower Upper
228 100
226 31.0 23.9 35.9
229 21.5 15.8 23.6

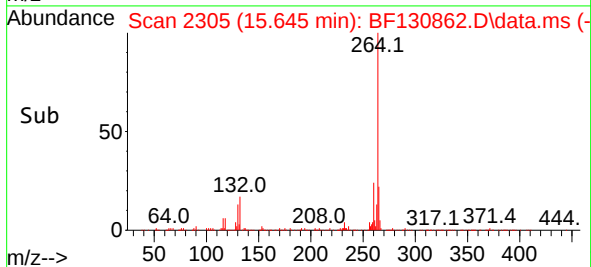
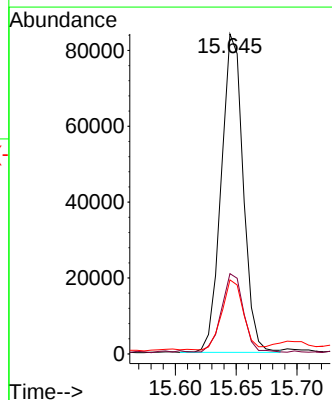
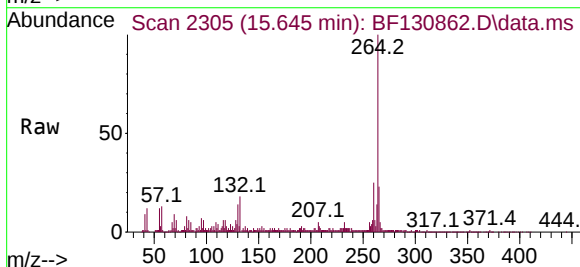
Manual Integrations
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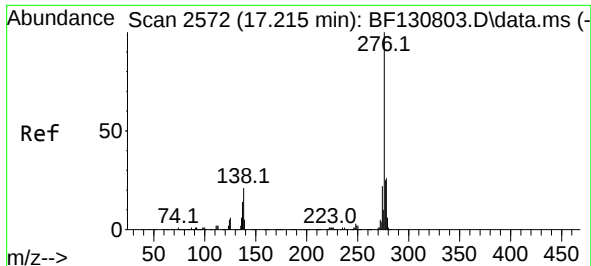
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:264 Resp: 105276
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 23.1 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.131 ng m
RT: 17.192 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

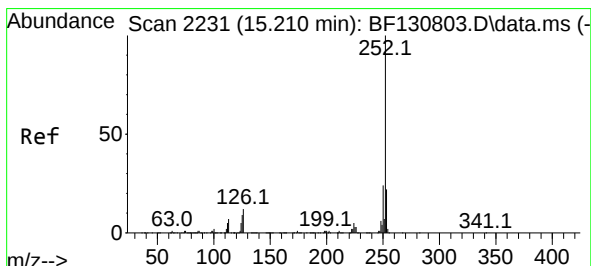
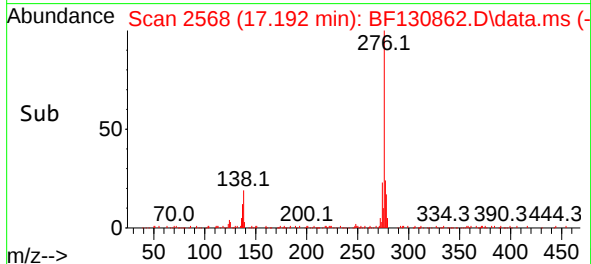
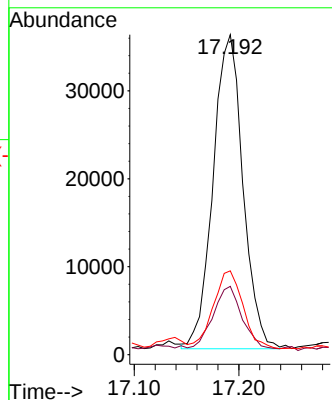
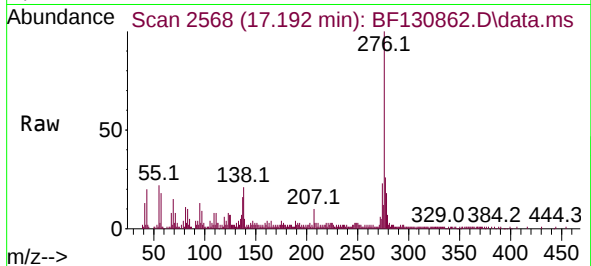
ClientSampleId :

NB-07-102722

Tgt Ion:276 Resp: 70824
Ion Ratio Lower Upper
276 100
138 4.7 19.1 28.7
277 4.4 20.1 30.1

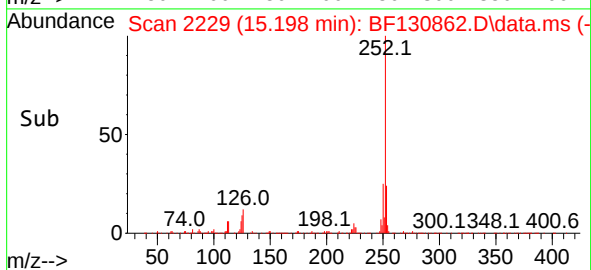
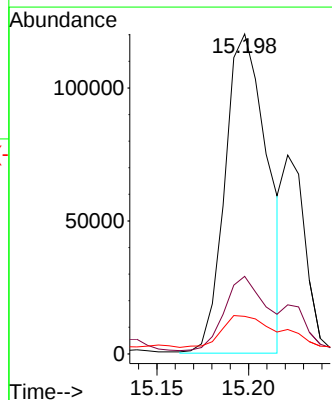
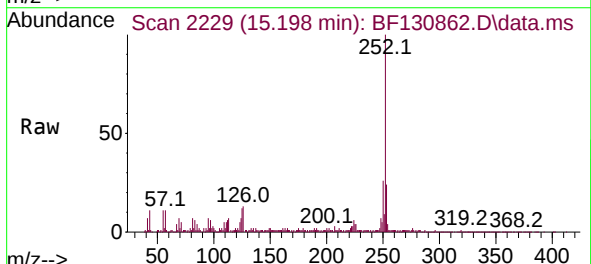
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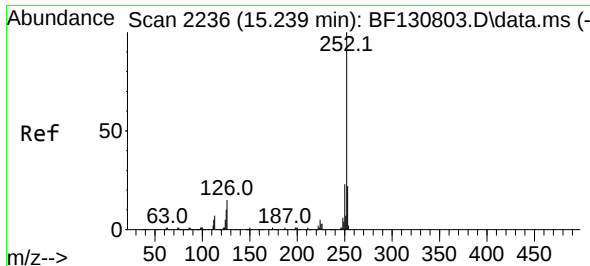
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#88
Benzo(b)fluoranthene
Concen: 28.363 ng m
RT: 15.198 min Scan# 2229
Delta R.T. 0.000 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:252 Resp: 193018
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 11.7 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 9.694 ng m

RT: 15.221 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

ClientSampleId :

NB-07-102722

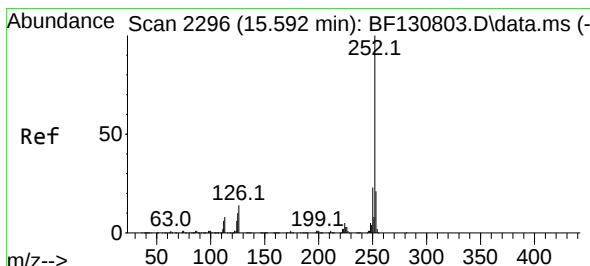
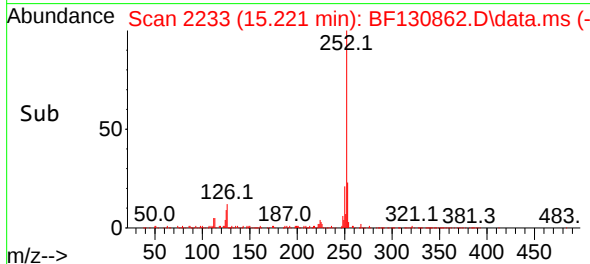
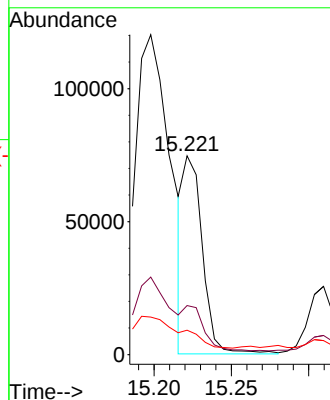
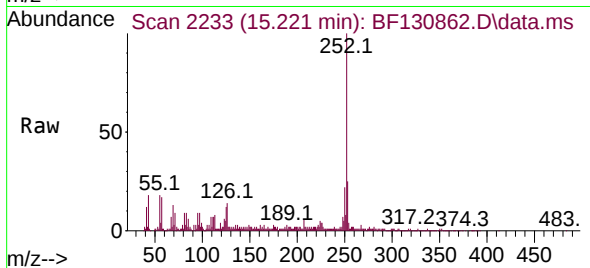
Tgt Ion:252 Resp: 64281
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.5 26.3
 125 12.3 8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#90

Benzo(a)pyrene

Concen: 23.263 ng

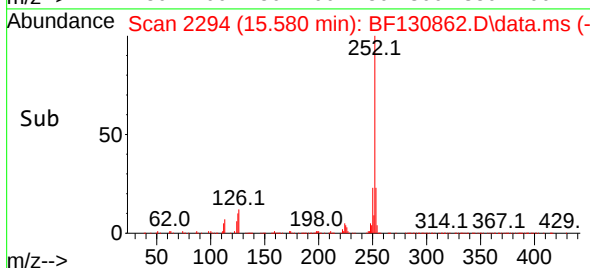
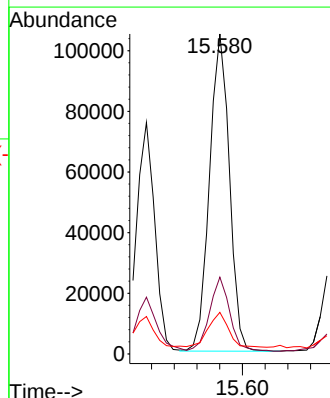
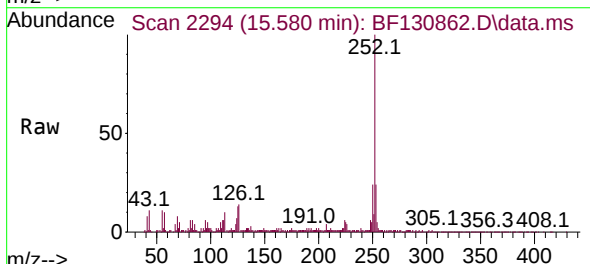
RT: 15.580 min Scan# 2294

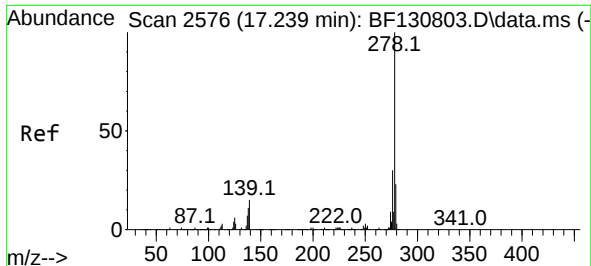
Delta R.T. 0.000 min

Lab File: BF130862.D

Acq: 29 Oct 2022 17:47

Tgt Ion:252 Resp: 127267
 Ion Ratio Lower Upper
 252 100
 253 24.0 16.8 25.2
 125 13.0 8.3 12.5





#91
Dibenzo(a,h)anthracene
Concen: 3.019 ng
RT: 17.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Instrument :

BNA_F

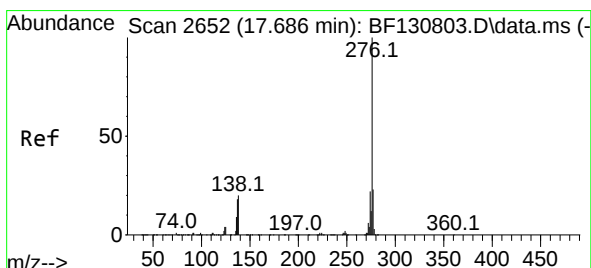
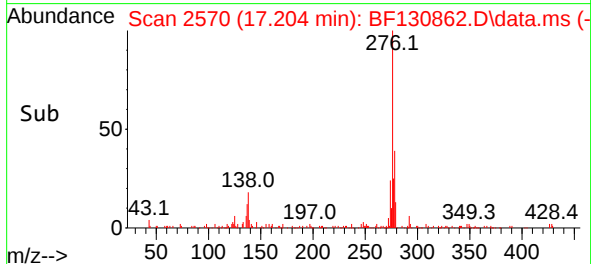
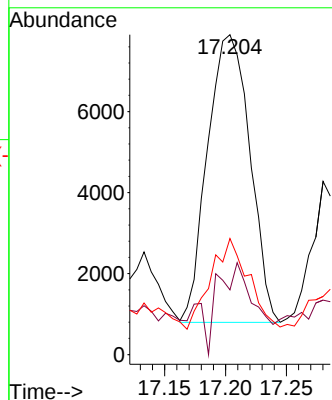
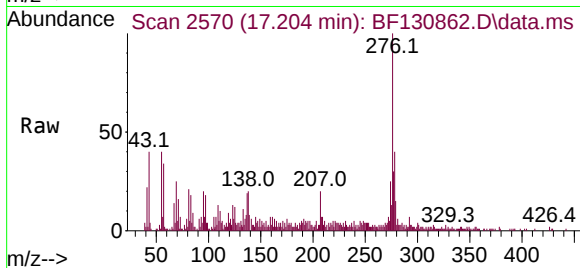
ClientSampleId :

NB-07-102722

Tgt Ion:278 Resp: 1720
Ion Ratio Lower Upper
278 100
139 20.3 11.9 17.9
279 36.3 18.6 28.0

Manual Integrations
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Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#92
Benzo(g,h,i)perylene
Concen: 11.186 ng
RT: 17.662 min Scan# 2648
Delta R.T. -0.006 min
Lab File: BF130862.D
Acq: 29 Oct 2022 17:47

Tgt Ion:276 Resp: 65040
Ion Ratio Lower Upper
276 100
277 23.1 18.8 28.2
138 20.3 16.3 24.5

