

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
 Data File : BF131700.D
 Acq On : 19 Dec 2022 21:12
 Operator : CG\JU
 Sample : N6038-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-37-(0-2)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/20/2022
 Supervised By : Jagrut Upadhyay 12/20/2022

Quant Time: Dec 20 01:07:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 00:23:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69159	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	238790	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	119834	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	189213	20.000	ng	0.00
76) Chrysene-d12	14.074	240	149120	20.000	ng	0.00
86) Perylene-d12	15.574	264	179486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	385124	92.901	ng	0.00
7) Phenol-d6	6.504	99	478984	88.172	ng	0.00
23) Nitrobenzene-d5	7.439	82	333332	52.775	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	91293	68.570	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	510695	53.734	ng	0.00
79) Terphenyl-d14	13.010	244	391409	35.996	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.957	154	27119	3.572	ng	97
55) Dibenzofuran	10.128	168	25316	2.360	ng	94
58) Fluorene	10.475	166	29322	3.362	ng	96
71) Phenanthrene	11.445	178	422096	40.022	ng	99
72) Anthracene	11.492	178	83332	8.121	ng	99
73) Carbazole	11.651	167	29544	3.528	ng	99
75) Fluoranthene	12.639	202	505156	46.515	ng	98
78) Pyrene	12.869	202	454315	30.897	ng	99
81) Benzo(a)anthracene	14.063	228	261410	24.275	ng	99
83) Chrysene	14.098	228	251512m	24.567	ng	
87) Indeno(1,2,3-cd)pyrene	17.086	276	146186	9.980	ng	100
88) Benzo(b)fluoranthene	15.133	252	352885m	29.831	ng	
89) Benzo(k)fluoranthene	15.157	252	97630m	7.907	ng	
90) Benzo(a)pyrene	15.510	252	245085	24.277	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	36427m	3.022	ng	
92) Benzo(g,h,i)perylene	17.539	276	133596	11.026	ng	98

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

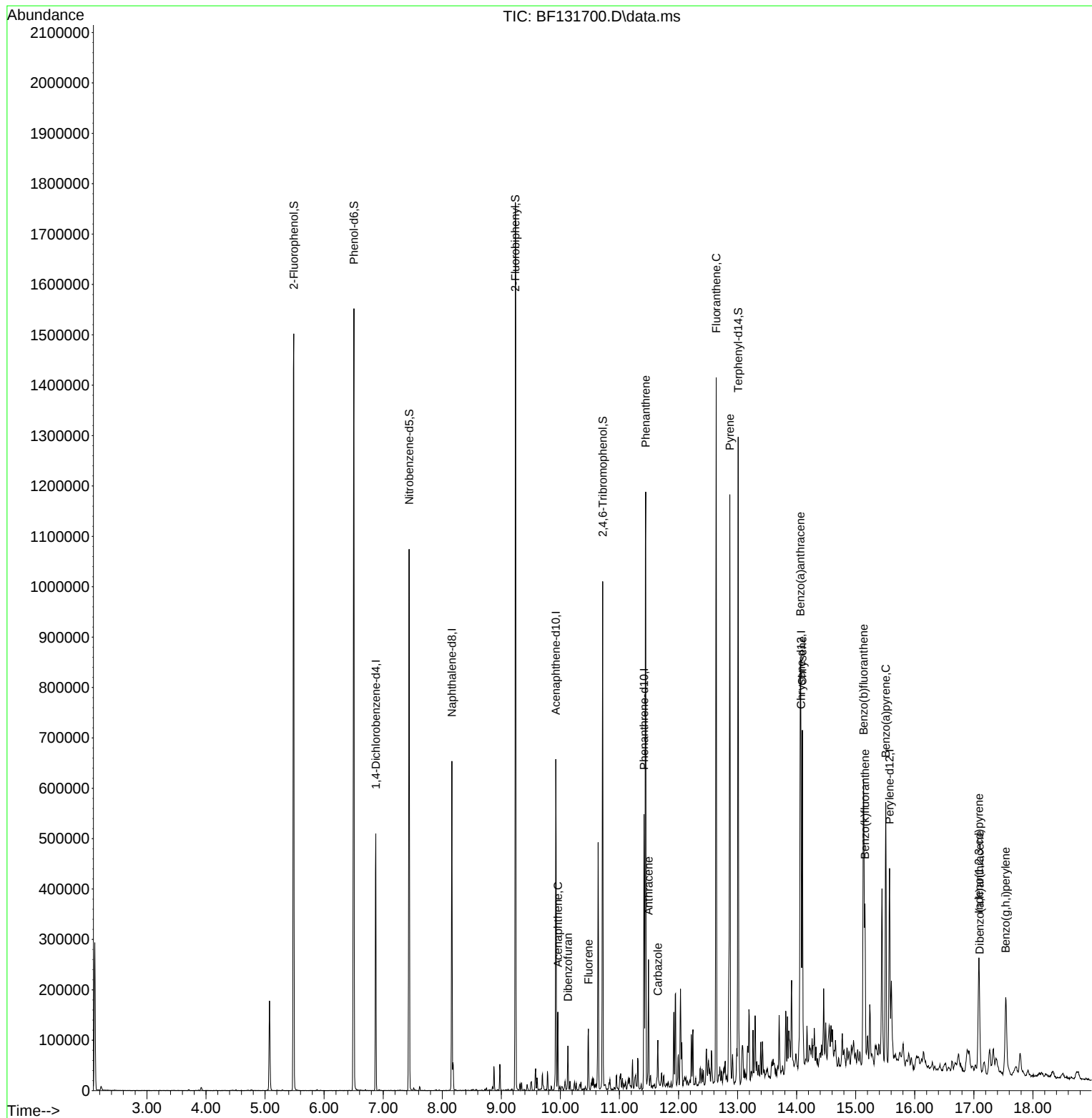
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
Data File : BF131700.D
Acq On : 19 Dec 2022 21:12
Operator : CG\JU
Sample : N6038-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

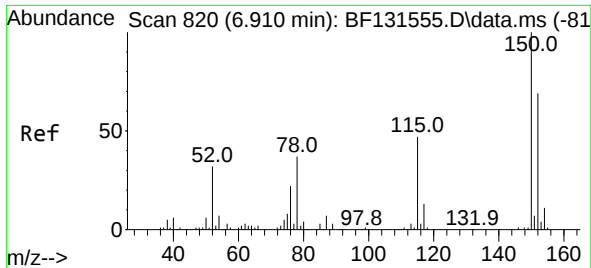
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

Quant Time: Dec 20 01:07:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 00:23:43 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

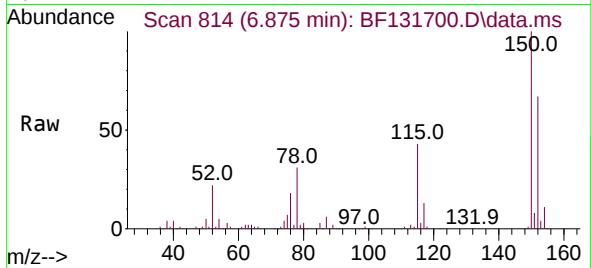
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

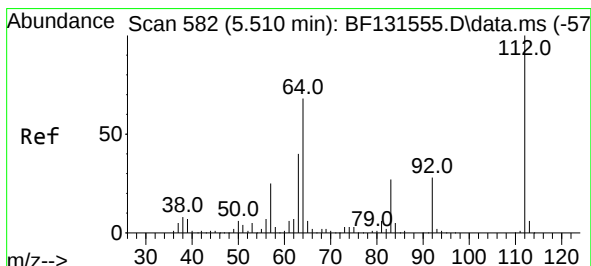
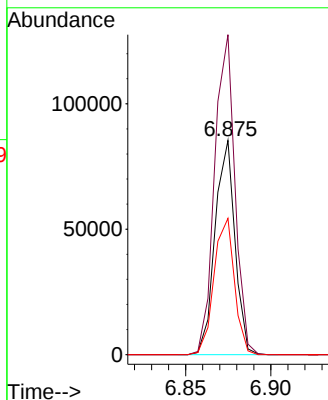
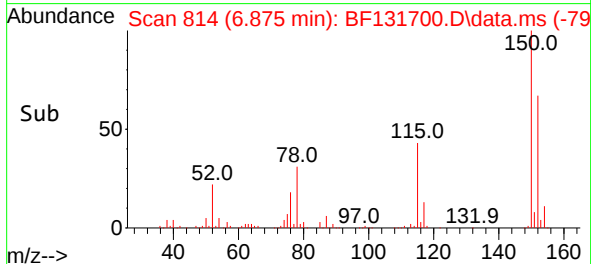
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



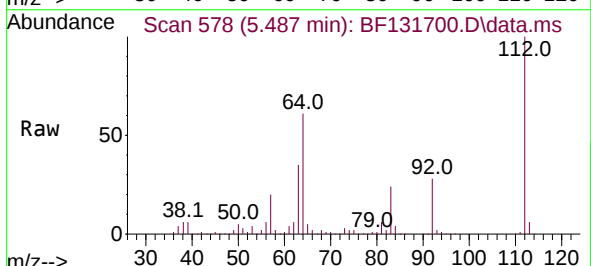
Tgt Ion:152 Resp: 69159
Ion Ratio Lower Upper
152 100
150 149.5 116.7 175.1
115 63.6 54.6 82.0

Manual Integrations
APPROVED

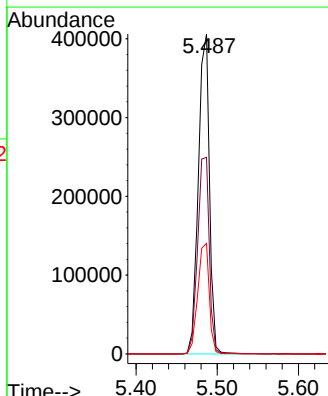
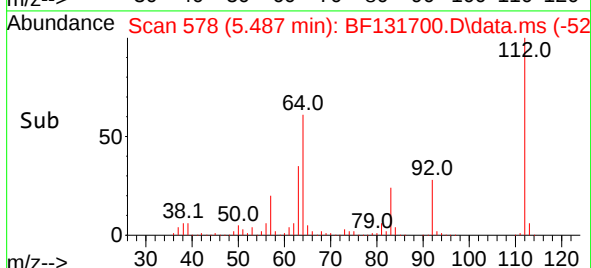
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

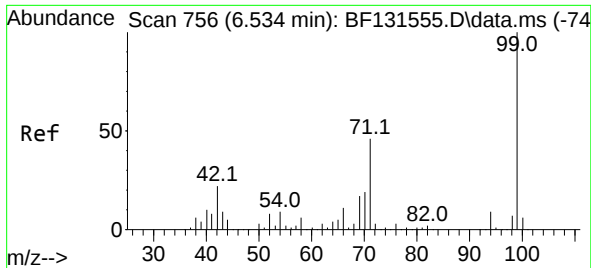


#5
2-Fluorophenol
Concen: 92.901 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12



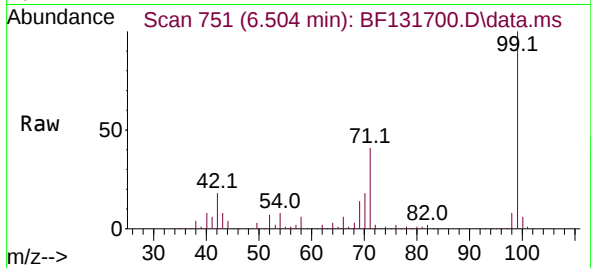
Tgt Ion:112 Resp: 385124
Ion Ratio Lower Upper
112 100
64 61.5 54.5 81.7
63 34.5 31.9 47.9





#7
Phenol-d6
Concen: 88.172 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

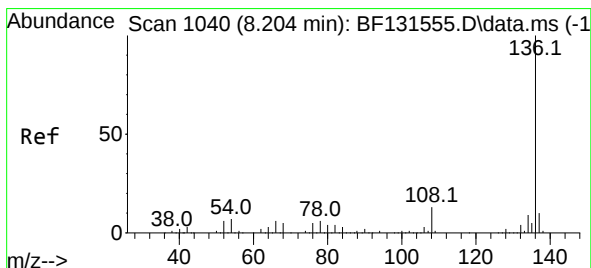
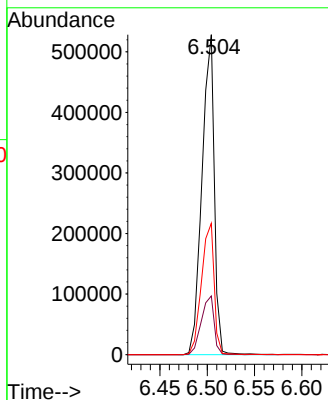
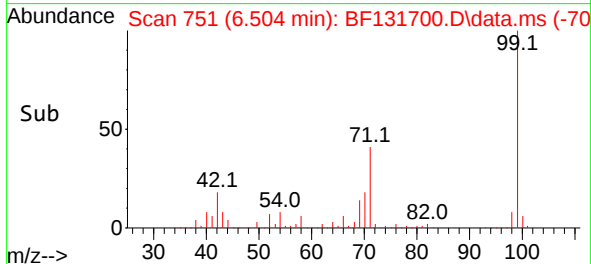
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



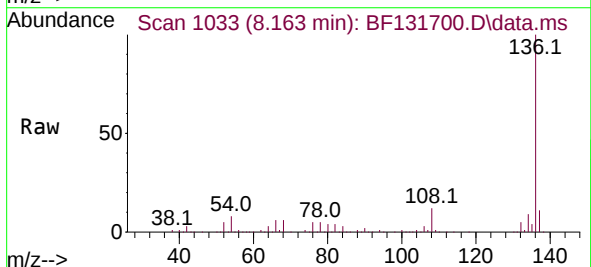
Tgt Ion: 99 Resp: 478984
Ion Ratio Lower Upper
99 100
42 18.3 17.9 26.9
71 41.0 37.2 55.8

Manual Integrations
APPROVED

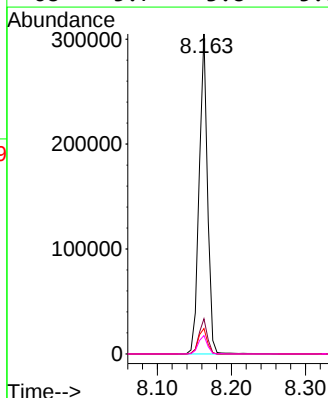
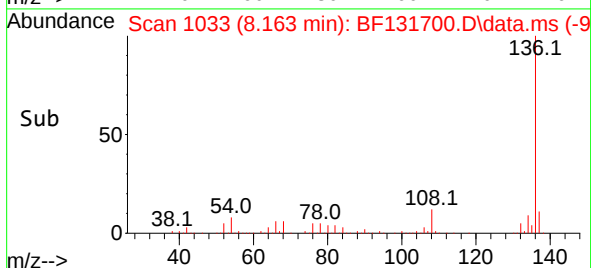
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

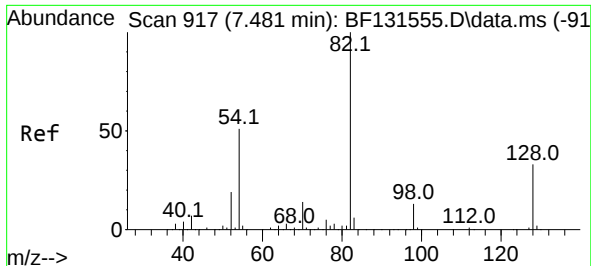


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12



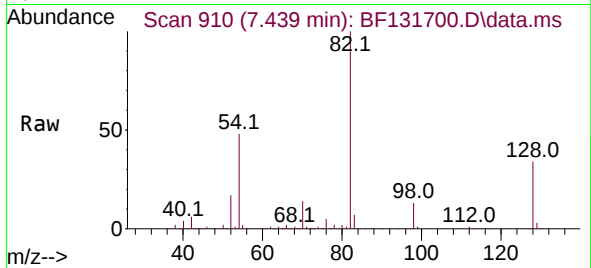
Tgt Ion:136 Resp: 238790
Ion Ratio Lower Upper
136 100
137 11.0 8.1 12.1
54 8.0 6.0 9.0
68 5.7 3.8 5.8





#23
Nitrobenzene-d5
Concen: 52.775 ng
RT: 7.439 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

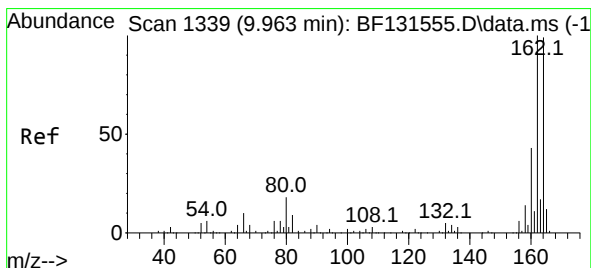
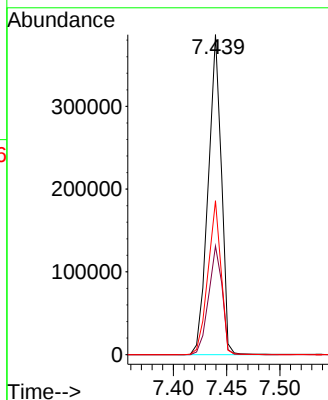
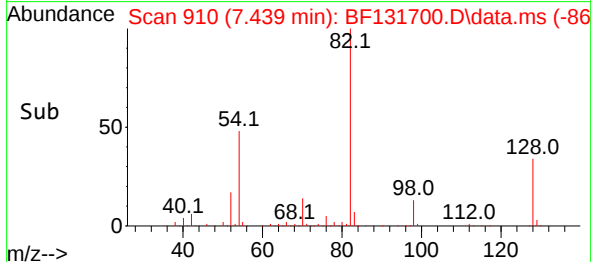
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



Tgt Ion: 82 Resp: 333332
Ion Ratio Lower Upper
82 100
128 33.9 26.1 39.1
54 48.1 40.6 60.8

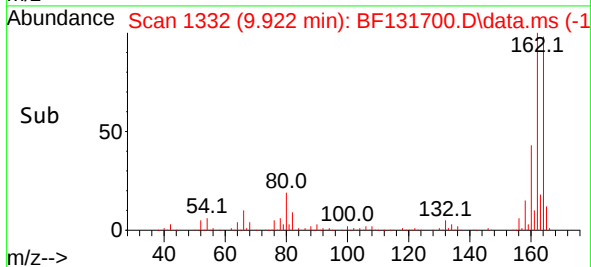
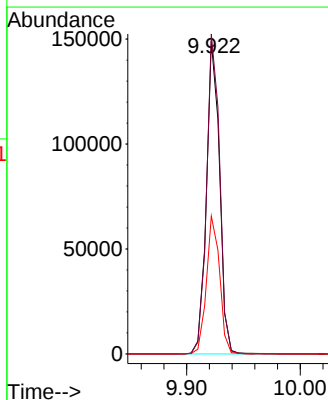
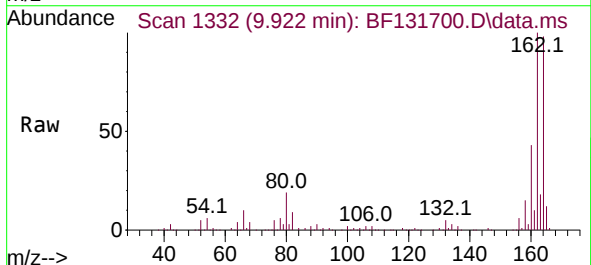
Manual Integrations
APPROVED

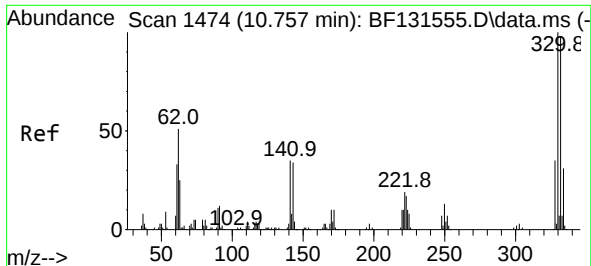
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:164 Resp: 119834
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 44.1 35.0 52.6





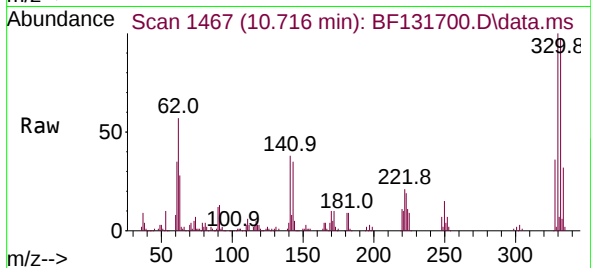
#42
2,4,6-Tribromophenol
Concen: 68.570 ng
RT: 10.716 min Scan# 1474
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Instrument :

BNA_F

ClientSampleId :

RB-37-(0-2)

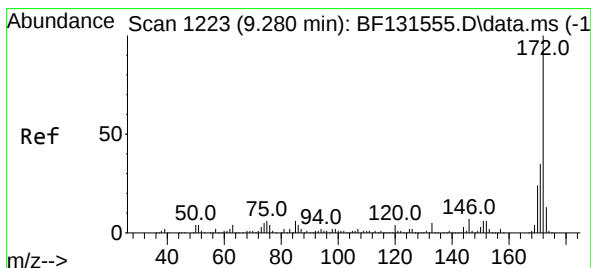
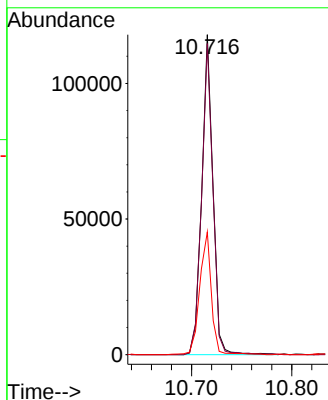
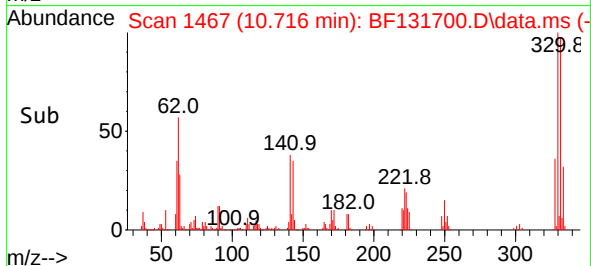


Tgt Ion:330 Resp: 91293
Ion Ratio Lower Upper
330 100
332 98.0 78.3 117.5
141 39.9 32.6 49.0

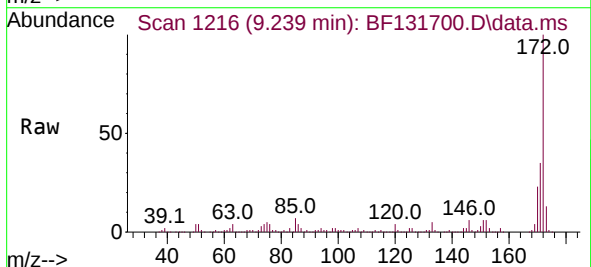
Manual Integrations

APPROVED

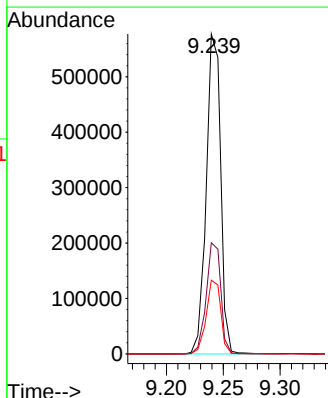
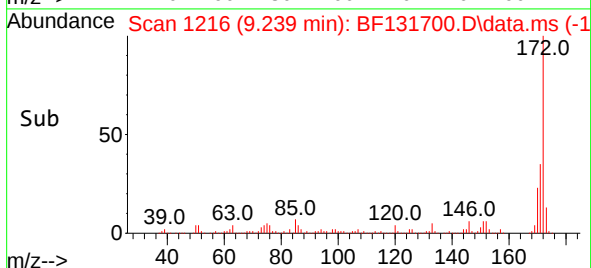
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

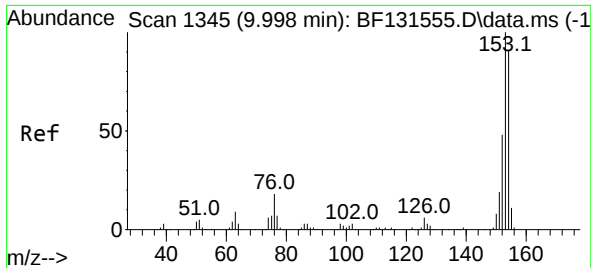


#45
2-Fluorobiphenyl
Concen: 53.734 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12



Tgt Ion:172 Resp: 510695
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.0 19.3 28.9





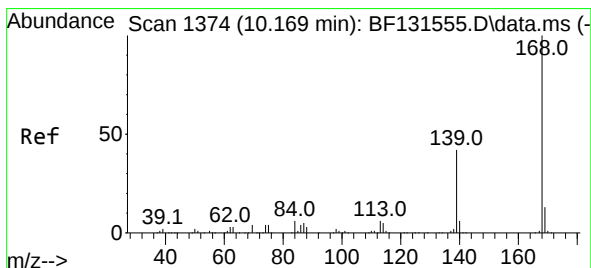
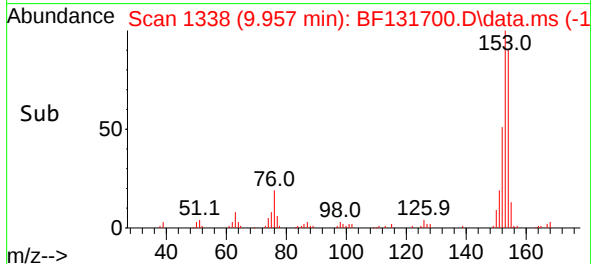
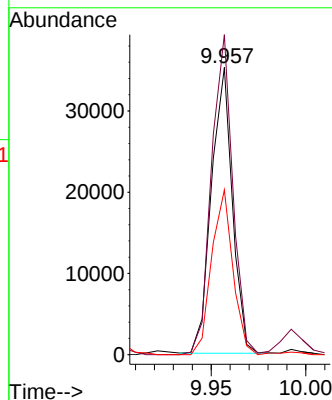
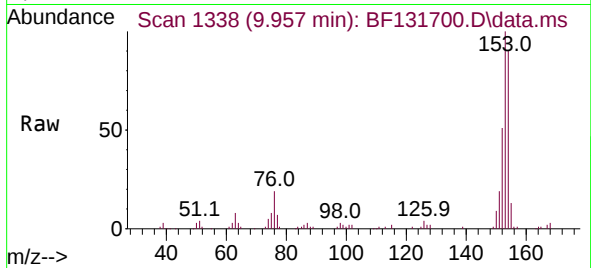
#52
Acenaphthene
Concen: 3.572 ng
RT: 9.957 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

Tgt Ion:154 Resp: 27119
Ion Ratio Lower Upper
154 100
153 111.4 87.9 131.9
152 57.4 42.4 63.6

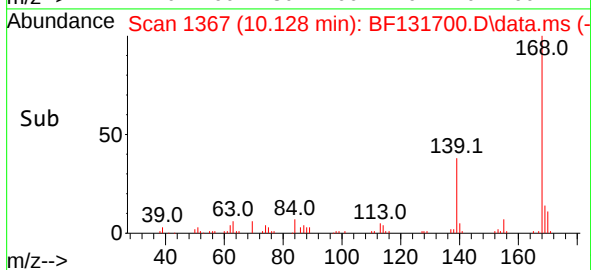
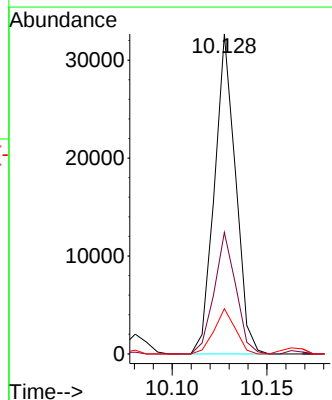
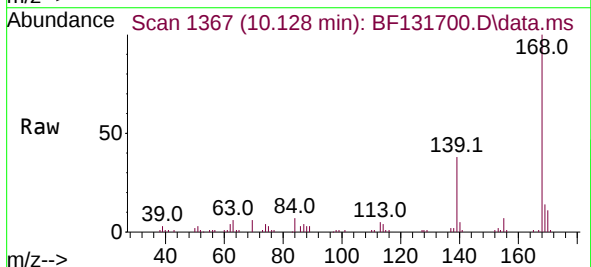
Manual Integrations
APPROVED

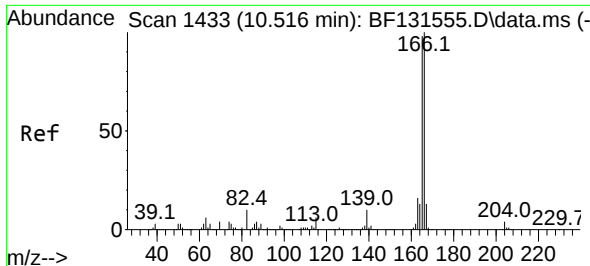
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#55
Dibenzofuran
Concen: 2.360 ng
RT: 10.128 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

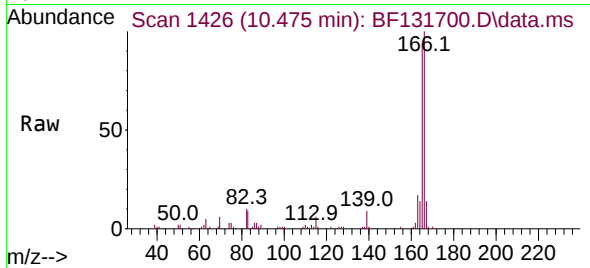
Tgt Ion:168 Resp: 25316
Ion Ratio Lower Upper
168 100
139 38.0 33.9 50.9
169 14.1 10.7 16.1





#58
Fluorene
Concen: 3.362 ng
RT: 10.475 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

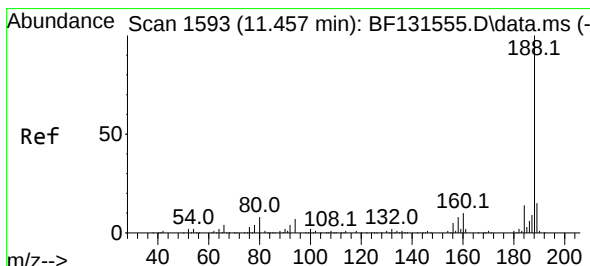
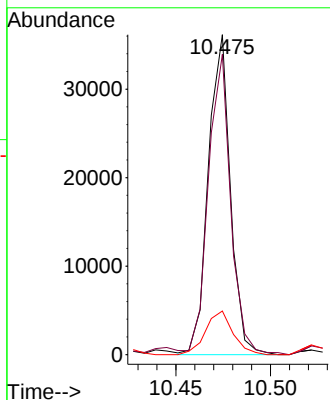
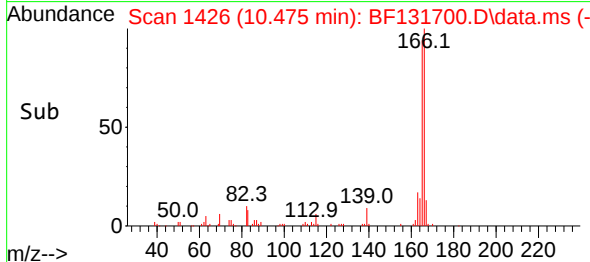
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



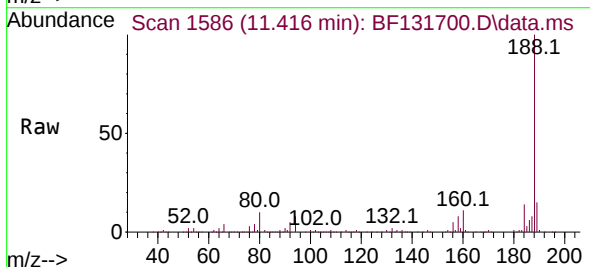
Tgt Ion:166 Resp: 2932
Ion Ratio Lower Upper
166 100
165 93.8 78.4 117.6
167 13.6 10.7 16.1

Manual Integrations
APPROVED

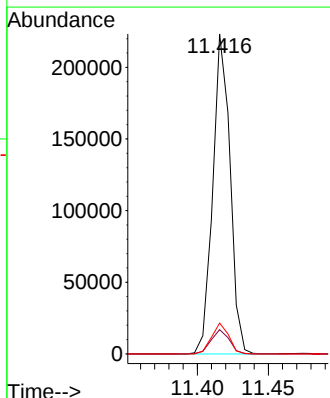
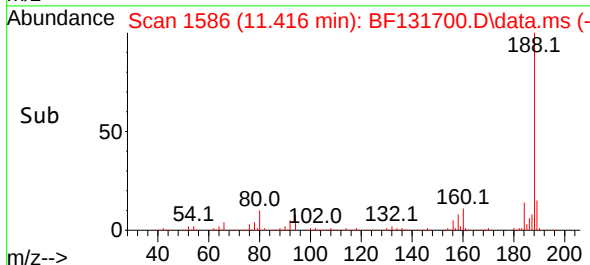
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

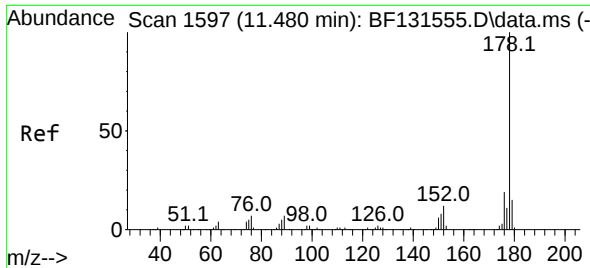


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12



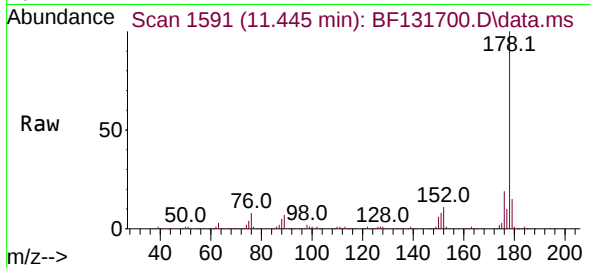
Tgt Ion:188 Resp: 189213
Ion Ratio Lower Upper
188 100
94 7.6 5.5 8.3
80 9.6 6.6 10.0





#71
Phenanthrene
Concen: 40.022 ng
RT: 11.445 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

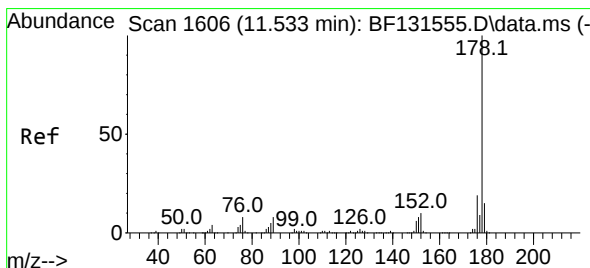
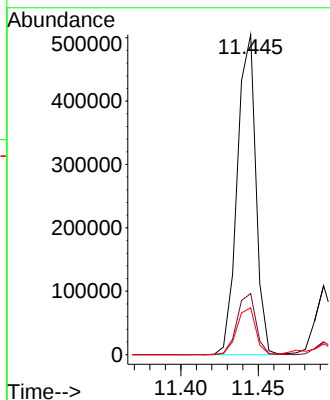
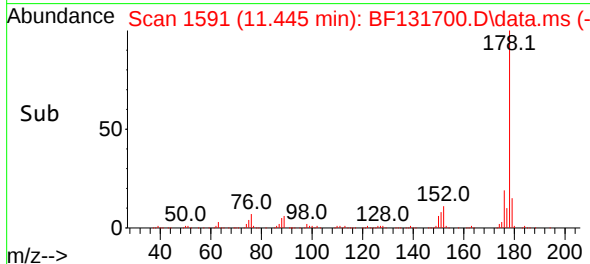
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



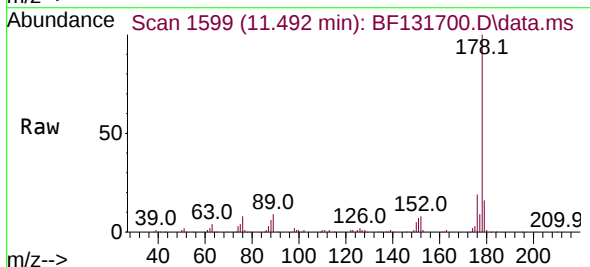
Tgt Ion:178 Resp: 422096
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 14.7 12.2 18.4

Manual Integrations
APPROVED

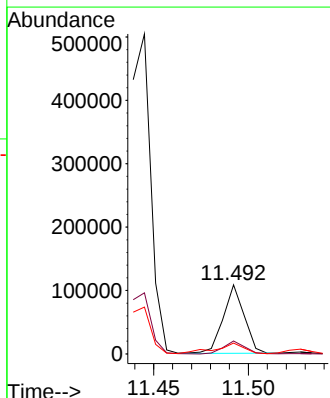
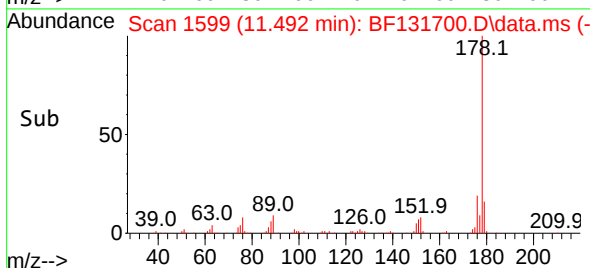
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

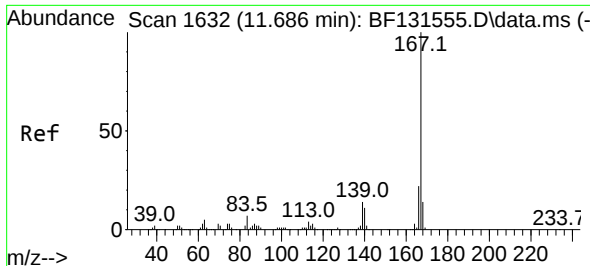


#72
Anthracene
Concen: 8.121 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12



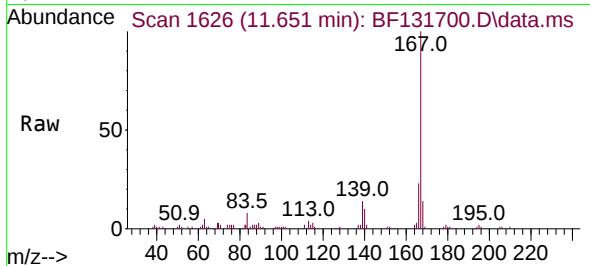
Tgt Ion:178 Resp: 83332
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.7 12.3 18.5





#73
Carbazole
Concen: 3.528 ng
RT: 11.651 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

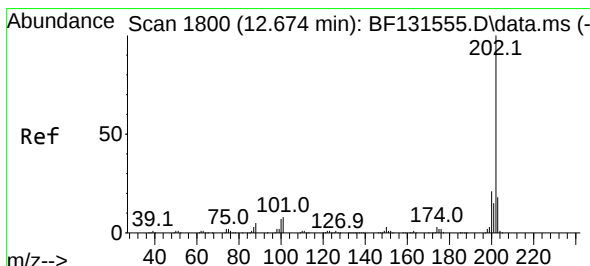
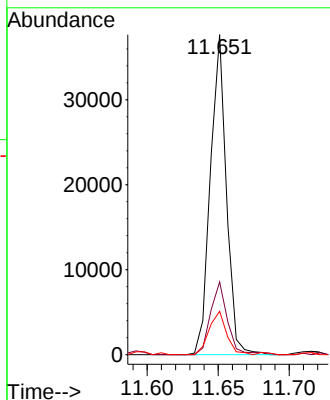
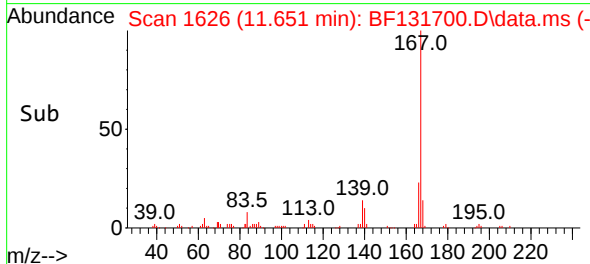
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



Tgt Ion:167 Resp: 29544
Ion Ratio Lower Upper
167 100
166 22.7 17.4 26.0
139 13.5 11.0 16.4

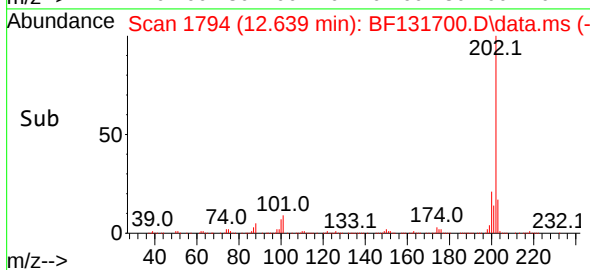
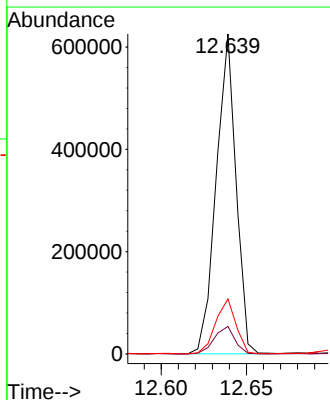
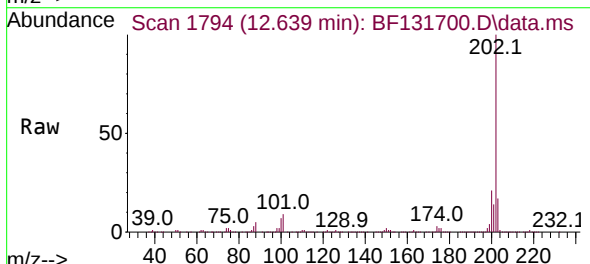
Manual Integrations
APPROVED

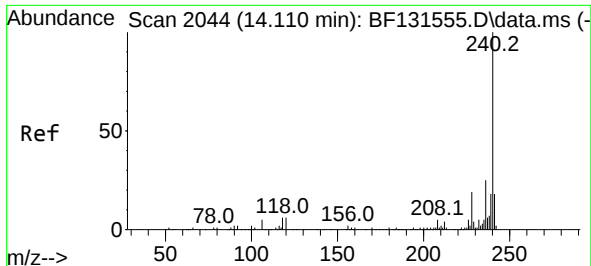
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#75
Fluoranthene
Concen: 46.515 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

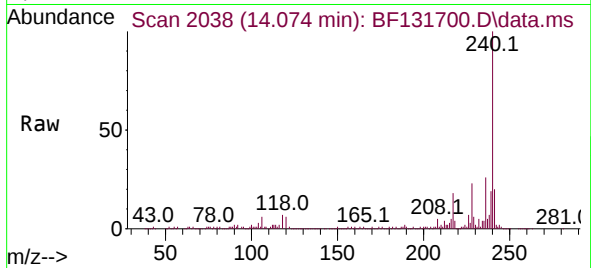
Tgt Ion:202 Resp: 505156
Ion Ratio Lower Upper
202 100
101 8.6 0.0 27.7
203 17.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

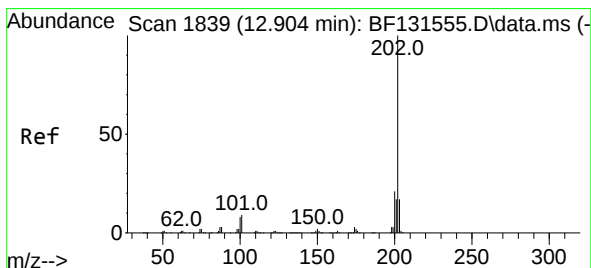
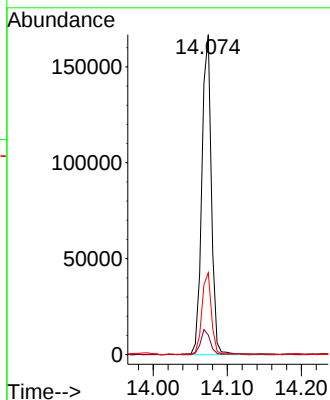
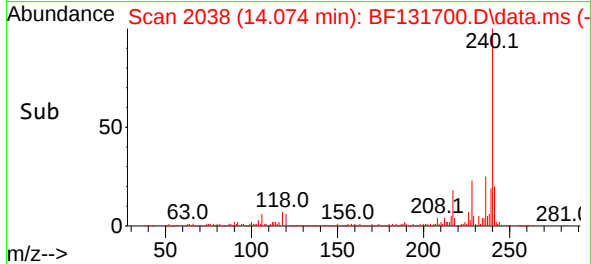
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



Tgt Ion:240 Resp: 149120
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 25.6 20.2 30.2

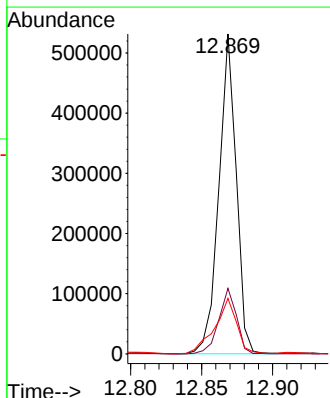
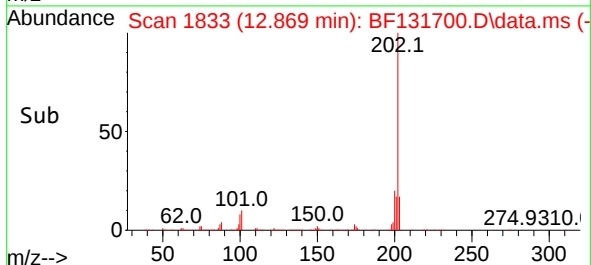
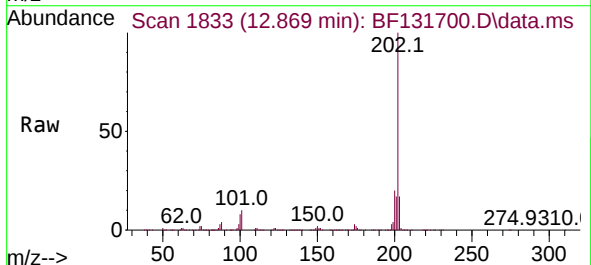
Manual Integrations
APPROVED

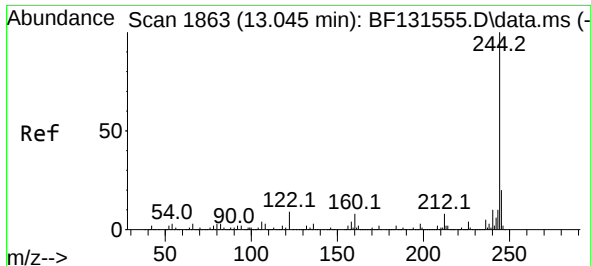
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#78
Pyrene
Concen: 30.897 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

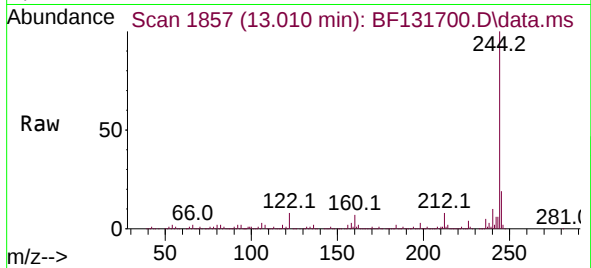
Tgt Ion:202 Resp: 454315
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 17.3 13.8 20.6





#79
 Terphenyl-d14
 Concen: 35.996 ng
 RT: 13.010 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: BF131700.D
 Acq: 19 Dec 2022 21:12

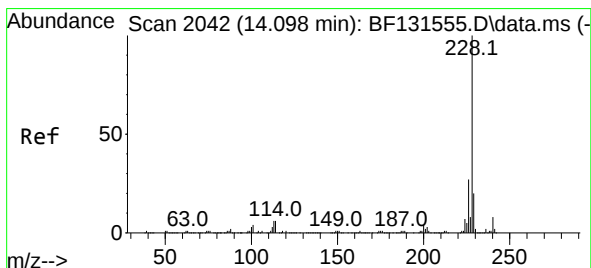
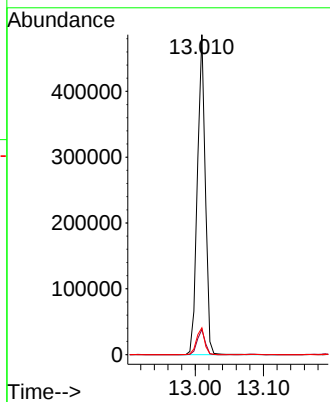
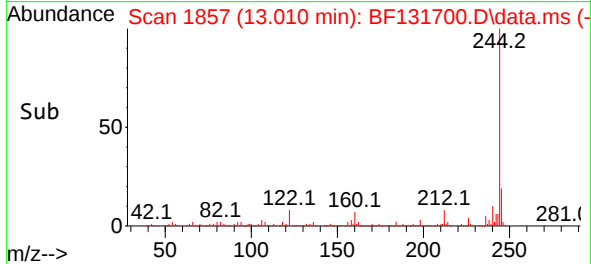
Instrument :
 BNA_F
 ClientSampleId :
 RB-37-(0-2)



Tgt Ion:244 Resp: 391409
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.5 9.7
 122 8.4 7.1 10.7

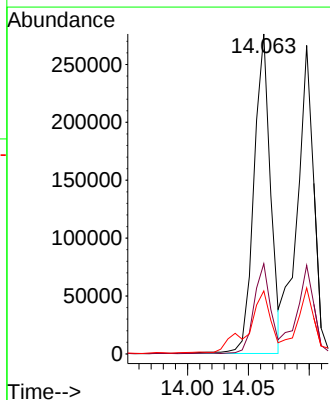
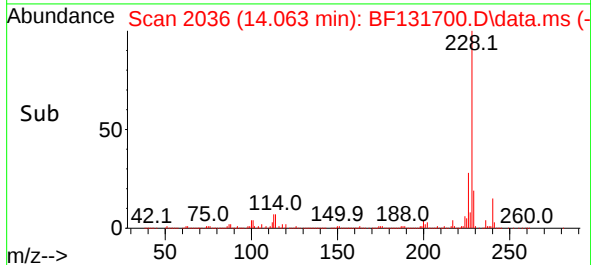
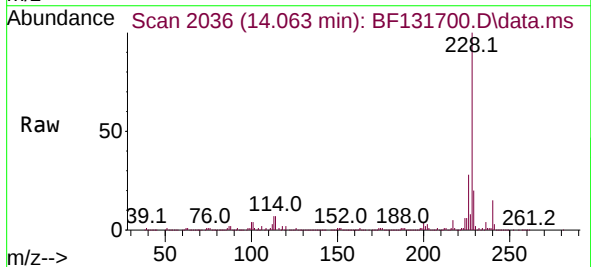
Manual Integrations
 APPROVED

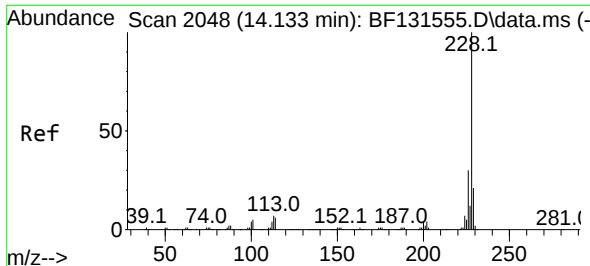
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :Jagrut Upadhyay 12/20/2022



#81
 Benzo(a)anthracene
 Concen: 24.275 ng
 RT: 14.063 min Scan# 2036
 Delta R.T. 0.000 min
 Lab File: BF131700.D
 Acq: 19 Dec 2022 21:12

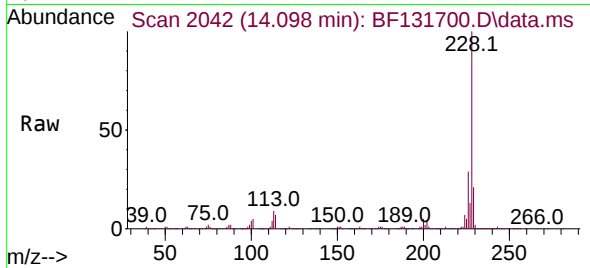
Tgt Ion:228 Resp: 261410
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.5 32.3
 229 19.7 15.8 23.6





#83
Chrysene
Concen: 24.567 ng m
RT: 14.098 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

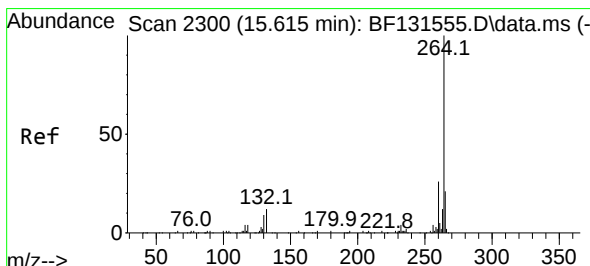
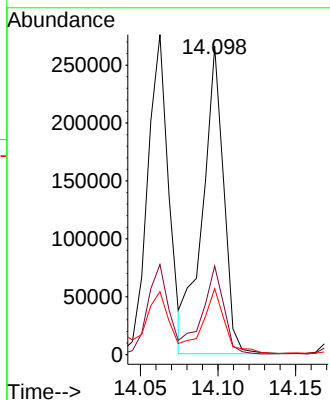
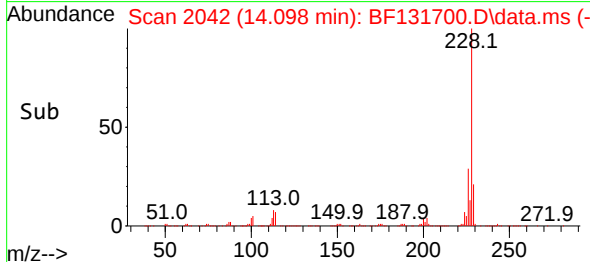
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



Tgt Ion:228 Resp: 251512
Ion Ratio Lower Upper
228 100
226 28.7 23.9 35.9
229 21.4 16.7 25.1

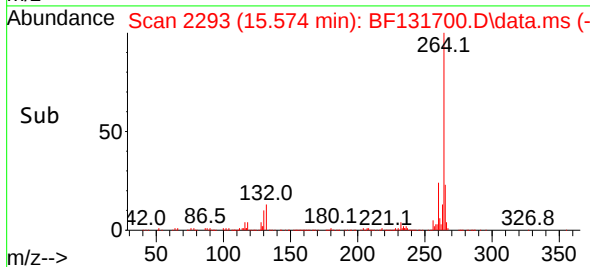
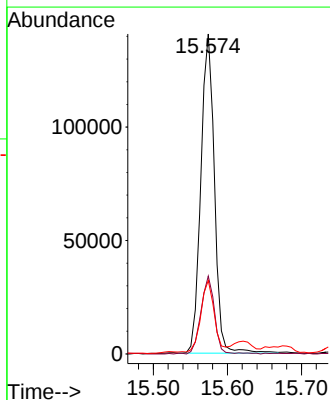
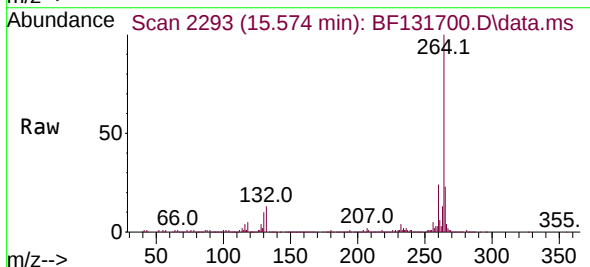
Manual Integrations
APPROVED

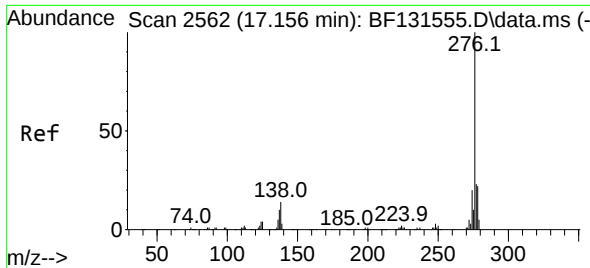
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

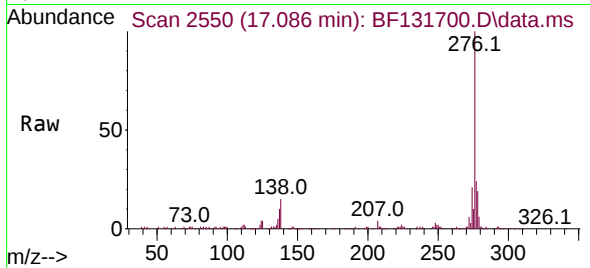
Tgt Ion:264 Resp: 179486
Ion Ratio Lower Upper
264 100
260 24.3 20.6 30.8
265 22.9 16.8 25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.980 ng
RT: 17.086 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

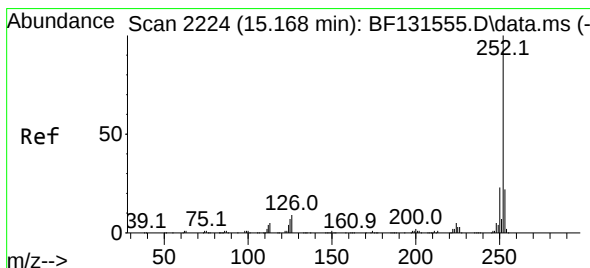
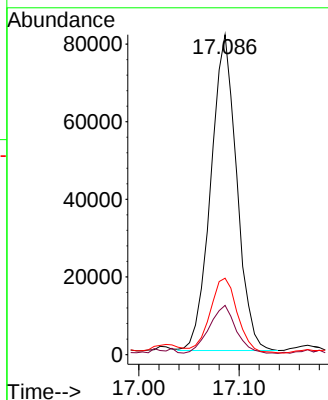
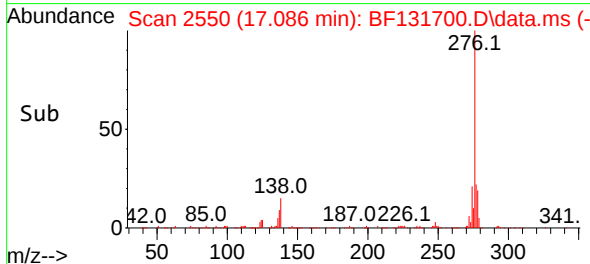
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



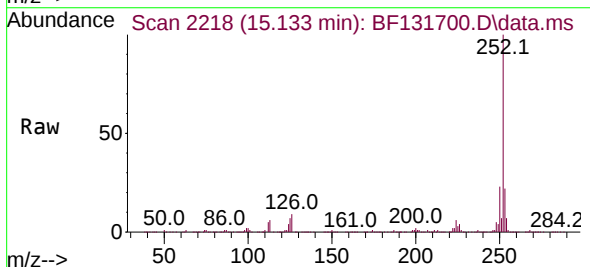
Tgt Ion:276 Resp: 146186
Ion Ratio Lower Upper
276 100
138 16.0 12.7 19.1
277 25.1 20.0 30.0

Manual Integrations
APPROVED

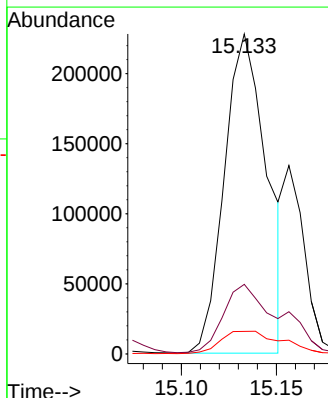
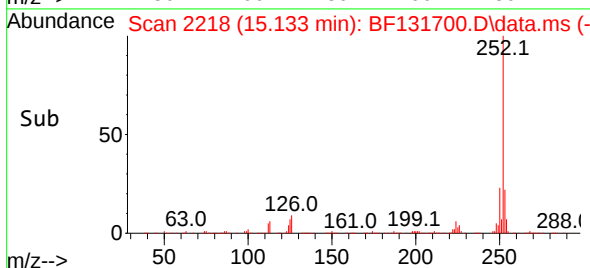
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

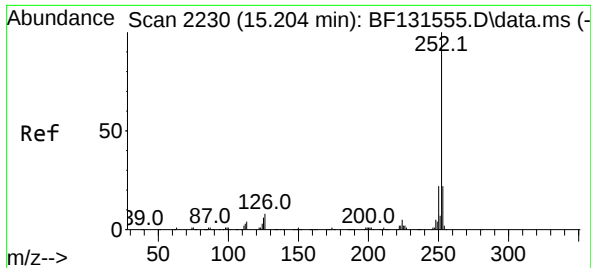


#88
Benzo(b)fluoranthene
Concen: 29.831 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12



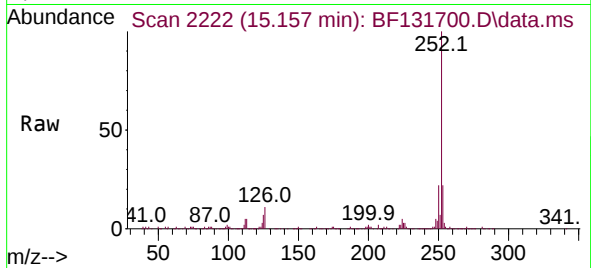
Tgt Ion:252 Resp: 352885
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 7.0 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 7.907 ng m
RT: 15.157 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

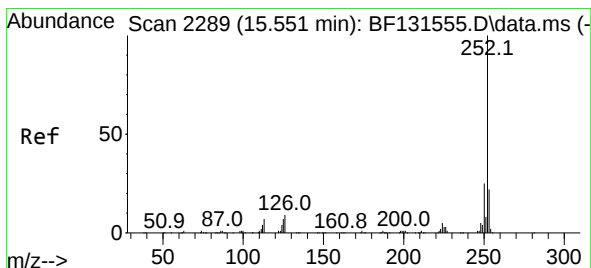
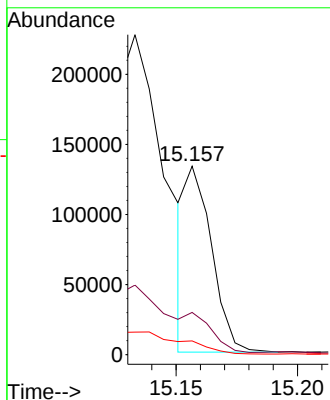
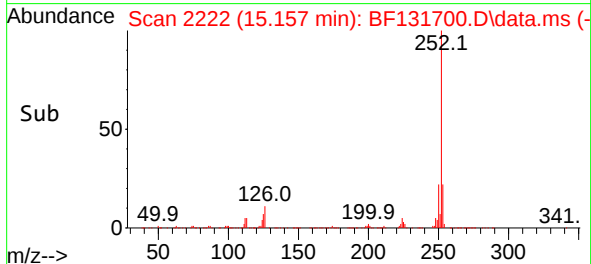
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)



Tgt Ion:252 Resp: 97630
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 7.2 4.9 7.3

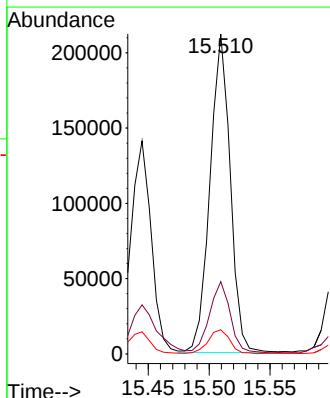
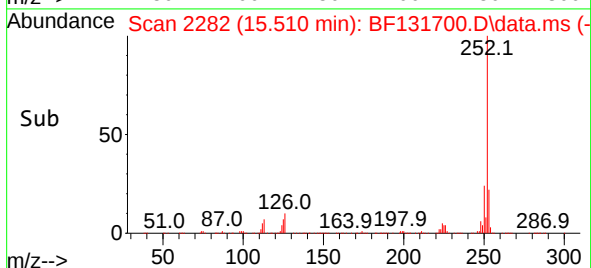
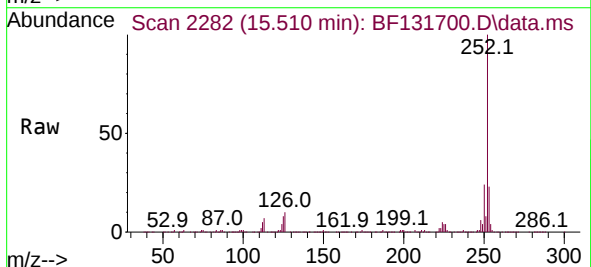
Manual Integrations
APPROVED

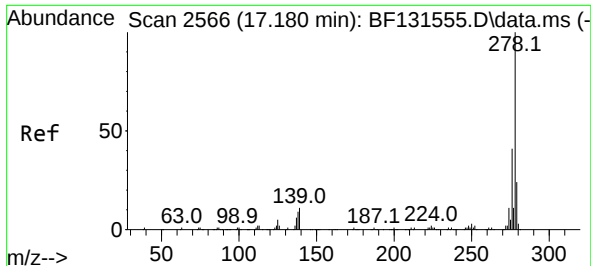
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#90
Benzo(a)pyrene
Concen: 24.277 ng
RT: 15.510 min Scan# 2282
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:252 Resp: 245085
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 7.5 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.022 ng m

RT: 17.098 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF131700.D

Acq: 19 Dec 2022 21:12

Instrument :

BNA_F

ClientSampleId :

RB-37-(0-2)

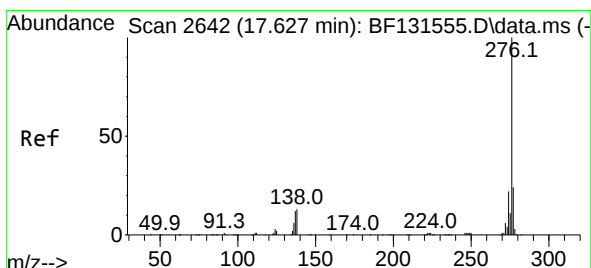
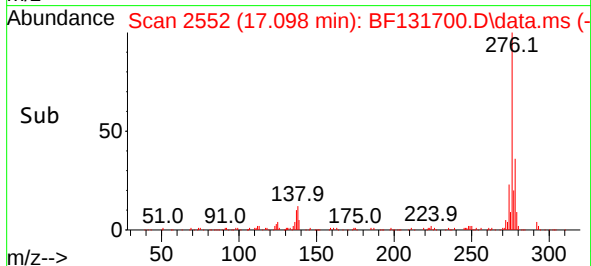
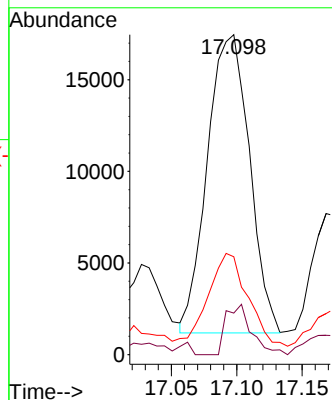
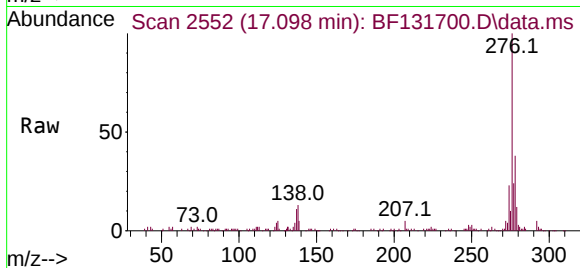
Tgt Ion:278	Resp:	3642
Ion Ratio	Lower	Upper
278	100	
139	13.0	8.9 13.3
279	30.6	19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#92

Benzo(g,h,i)perylene

Concen: 11.026 ng

RT: 17.539 min Scan# 2627

Delta R.T. -0.018 min

Lab File: BF131700.D

Acq: 19 Dec 2022 21:12

Tgt Ion:276	Resp:	133596
Ion Ratio	Lower	Upper
276	100	
277	24.1	19.0 28.6
138	15.2	10.7 16.1

