

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130951.D
 Acq On : 03 Nov 2022 02:29
 Operator : CG\JU
 Sample : N5380-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-EDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/03/2022
 Supervised By : Jagrut Upadhyay 11/03/2022

Quant Time: Nov 03 03:53:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	93114	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	348950	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	181302	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	301485	20.000	ng	0.00
76) Chrysene-d12	14.115	240	181231	20.000	ng	0.00
86) Perylene-d12	15.627	264	141244	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	123093	22.918	ng	-0.01
7) Phenol-d6	6.534	99	154474	22.132	ng	-0.01
23) Nitrobenzene-d5	7.481	82	100477	17.363	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	36891	24.172	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	182760	15.240	ng	-0.01
79) Terphenyl-d14	13.051	244	155928	15.766	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.004	154	29421	2.907	ng	94
55) Dibenzofuran	10.175	168	36267	2.472	ng	98
58) Fluorene	10.516	166	83867	7.260	ng	97
71) Phenanthrene	11.492	178	676290	43.462	ng	100
72) Anthracene	11.539	178	156615	10.204	ng	100
75) Fluoranthene	12.686	202	565769	34.221	ng	98
78) Pyrene	12.916	202	542547	35.484	ng	99
81) Benzo(a)anthracene	14.104	228	204166	16.992	ng	97
83) Chrysene	14.139	228	158644	13.688	ng	97
87) Indeno(1,2,3-cd)pyrene	17.156	276	48991	5.223	ng	95
88) Benzo(b)fluoranthene	15.174	252	139601m	15.290	ng	
89) Benzo(k)fluoranthene	15.204	252	37559m	4.222	ng	
90) Benzo(a)pyrene	15.557	252	105658	14.395	ng	94
92) Benzo(g,h,i)perylene	17.627	276	45752	5.865	ng	97

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

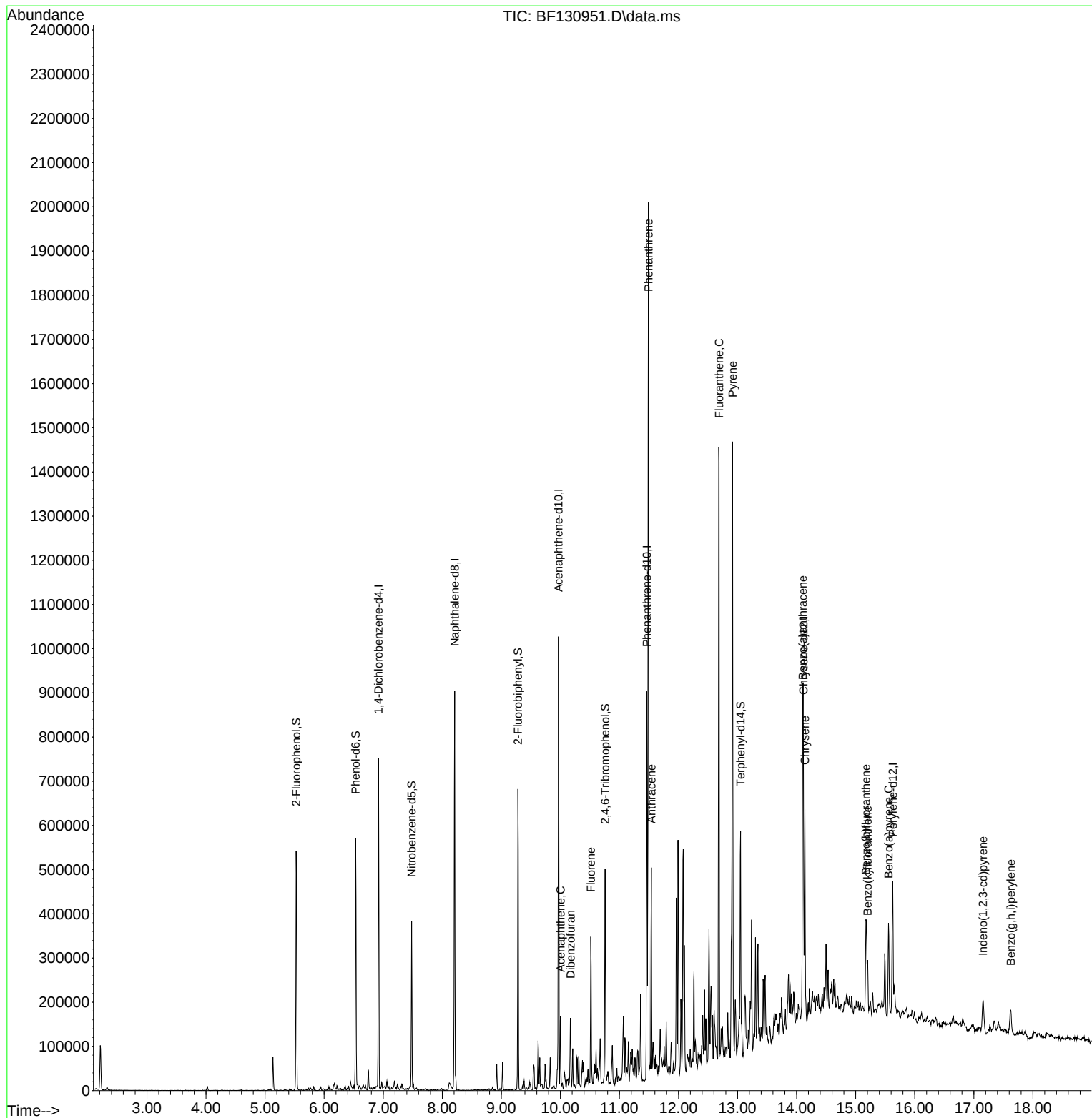
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
Data File : BF130951.D
Acq On : 03 Nov 2022 02:29
Operator : CG\JU
Sample : N5380-01DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-EDL

Quant Time: Nov 03 03:53:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 03 03:37:09 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

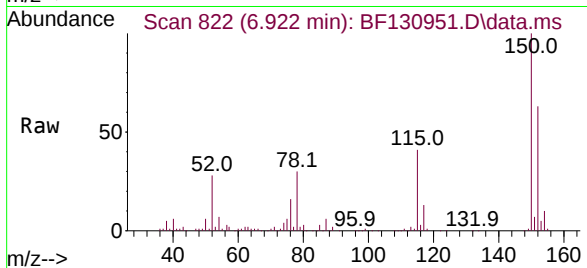
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

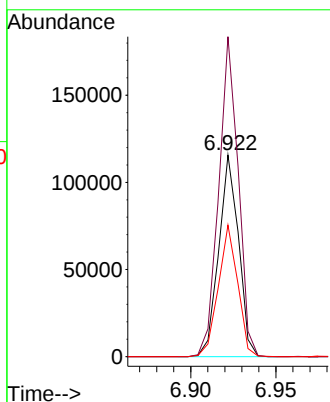
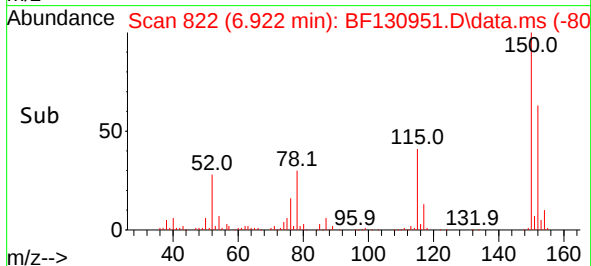
Instrument :
BNA_F
ClientSampleId :
TP-EDL



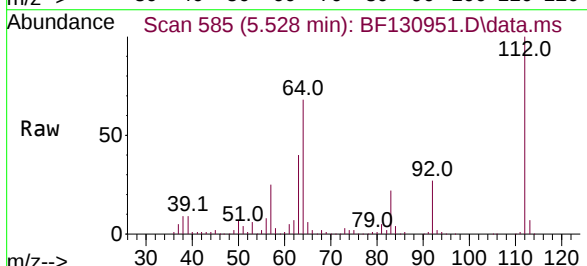
Tgt Ion:152 Resp: 93114
Ion Ratio Lower Upper
152 100
150 158.8 124.1 186.1
115 65.3 50.1 75.1

Manual Integrations
APPROVED

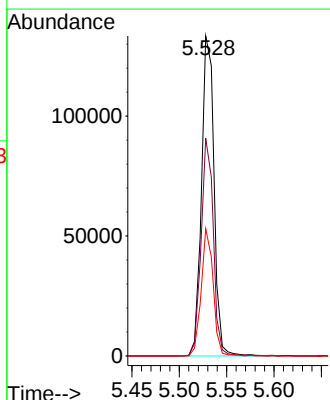
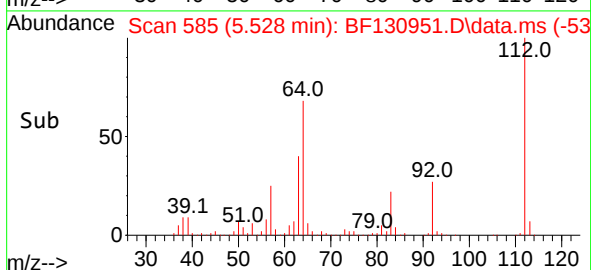
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#5
2-Fluorophenol
Concen: 22.918 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29



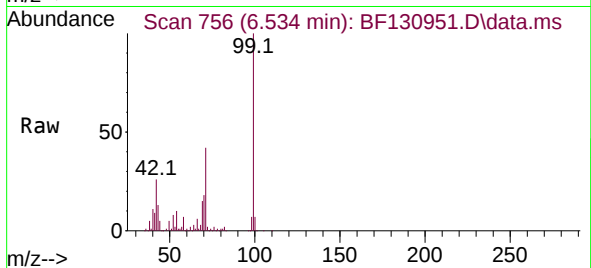
Tgt Ion:112 Resp: 123093
Ion Ratio Lower Upper
112 100
64 68.0 53.9 80.9
63 39.7 29.4 44.2





#7
Phenol-d6
Concen: 22.132 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

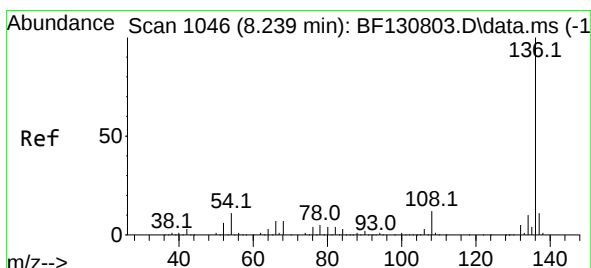
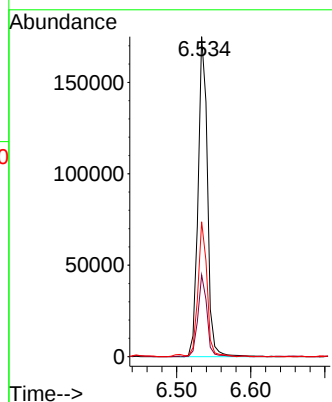
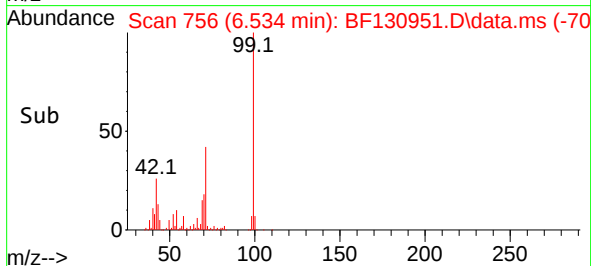
Instrument :
BNA_F
ClientSampleId :
TP-EDL



Tgt Ion: 99 Resp: 154474
Ion Ratio Lower Upper
99 100
42 25.5 18.8 28.2
71 42.1 31.4 47.0

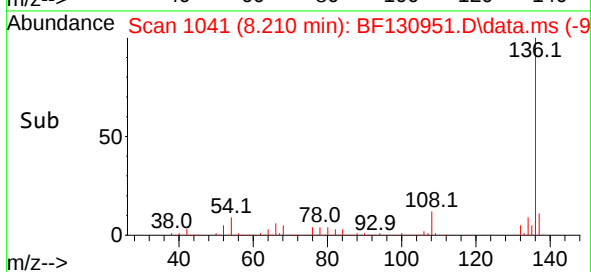
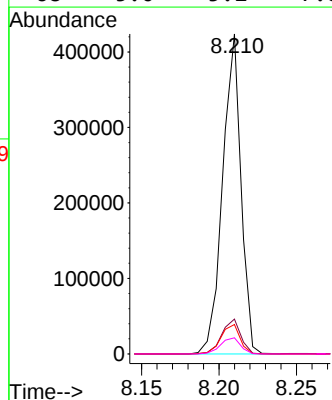
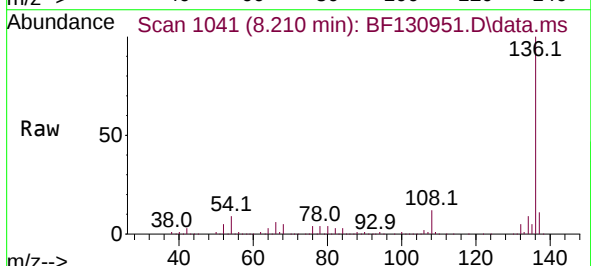
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

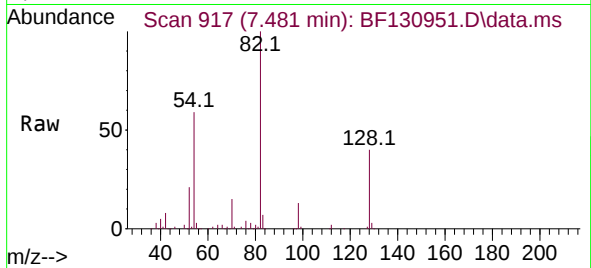
Tgt Ion:136 Resp: 348950
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 9.2 8.8 13.2
68 5.0 5.2 7.8#





#23
Nitrobenzene-d5
Concen: 17.363 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

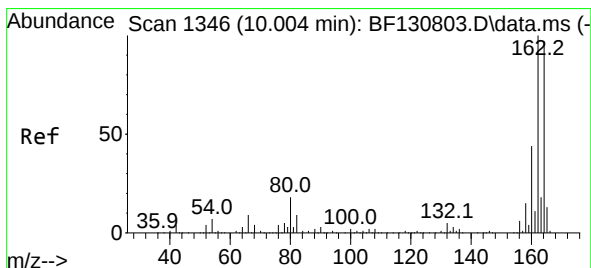
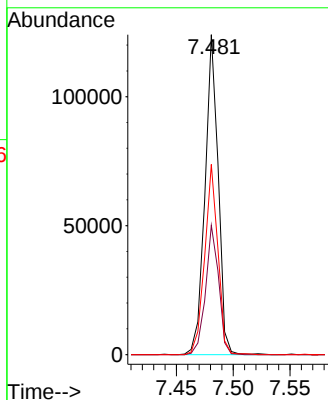
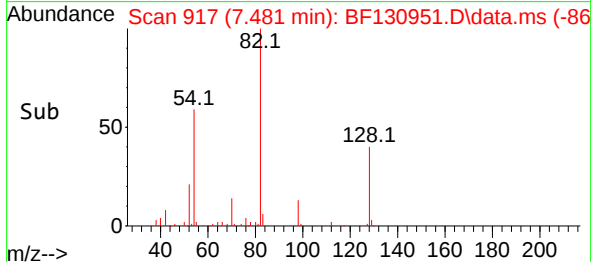
Instrument :
BNA_F
ClientSampleId :
TP-EDL



Tgt Ion: 82 Resp: 100472
Ion Ratio Lower Upper
82 100
128 40.4 31.2 46.8
54 59.4 48.0 72.0

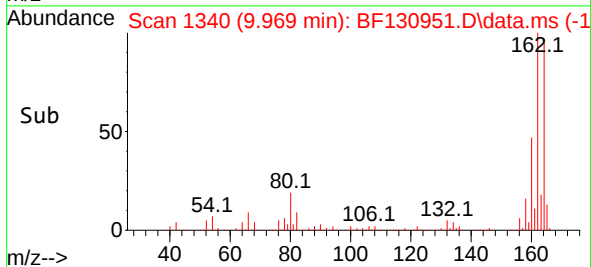
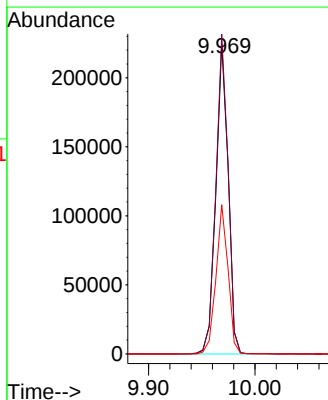
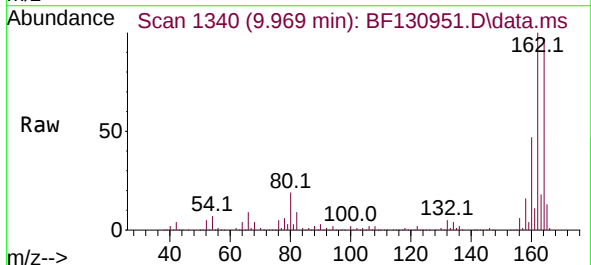
Manual Integrations
APPROVED

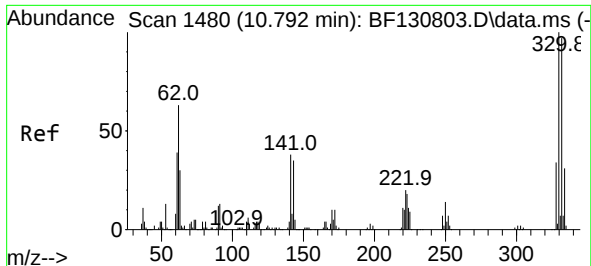
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

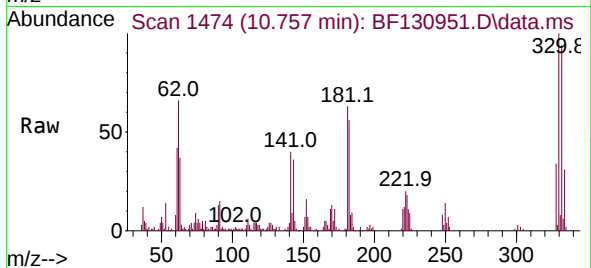
Tgt Ion:164 Resp: 181302
Ion Ratio Lower Upper
164 100
162 103.3 82.2 123.2
160 48.1 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 24.172 ng
RT: 10.757 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

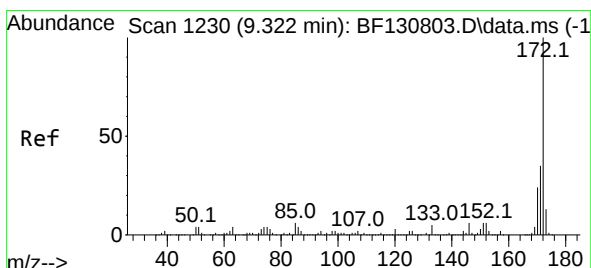
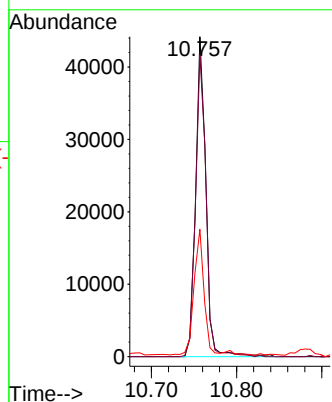
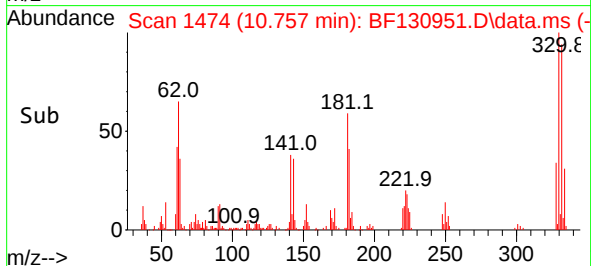
Instrument :
BNA_F
ClientSampleId :
TP-EDL



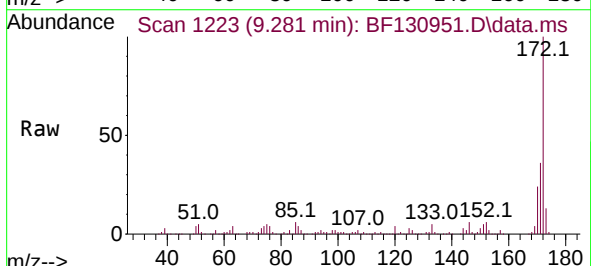
Tgt Ion: 330 Resp: 3689
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 38.3 31.4 47.0

Manual Integrations
APPROVED

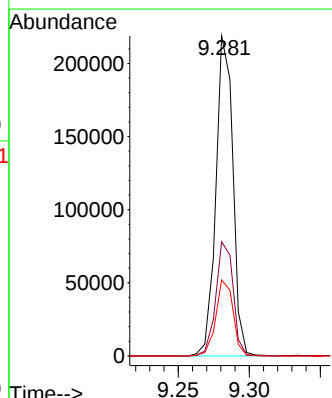
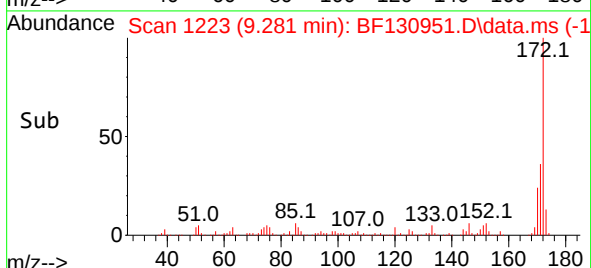
Reviewed By : Christian Giraldo 11/03/2022
Supervised By : Jagrut Upadhyay 11/03/2022

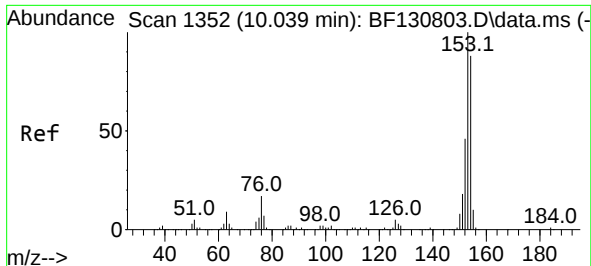


#45
2-Fluorobiphenyl
Concen: 15.240 ng
RT: 9.281 min Scan# 1223
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29



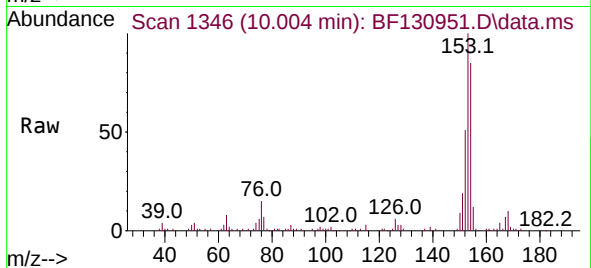
Tgt Ion: 172 Resp: 182760
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.7 19.0 28.4





#52
Acenaphthene
Concen: 2.907 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

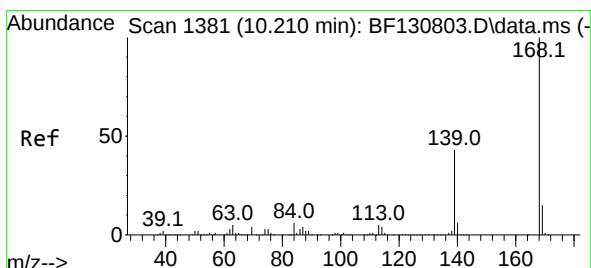
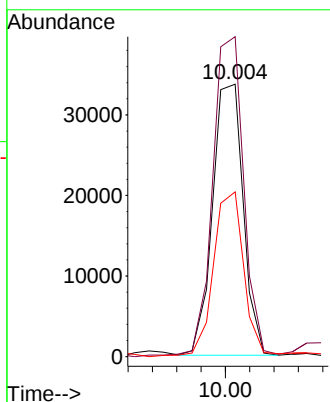
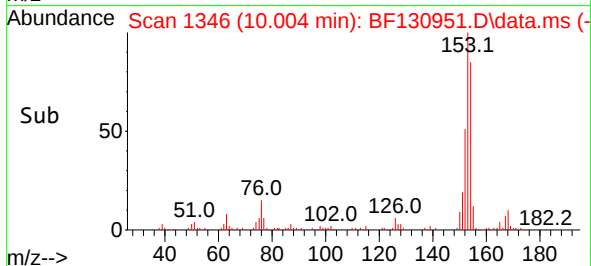
Instrument :
BNA_F
ClientSampleId :
TP-EDL



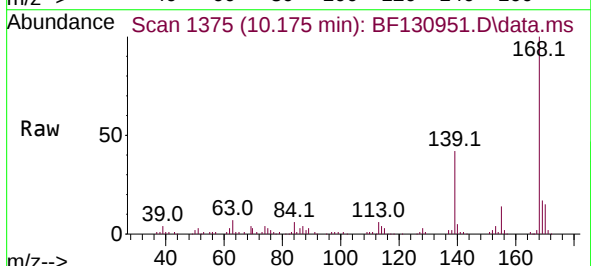
Tgt Ion:154 Resp: 2942
Ion Ratio Lower Upper
154 100
153 117.5 90.5 135.7
152 60.5 42.0 63.0

Manual Integrations
APPROVED

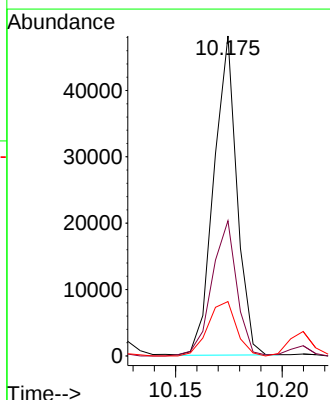
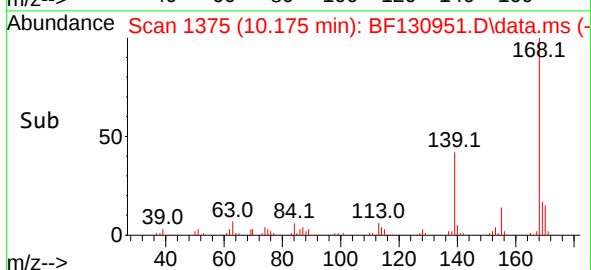
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022

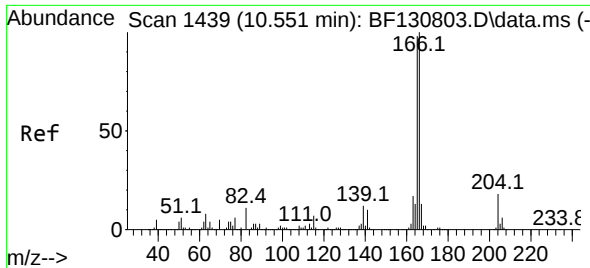


#55
Dibenzofuran
Concen: 2.472 ng
RT: 10.175 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29



Tgt Ion:168 Resp: 36267
Ion Ratio Lower Upper
168 100
139 42.2 34.3 51.5
169 17.0 11.9 17.9





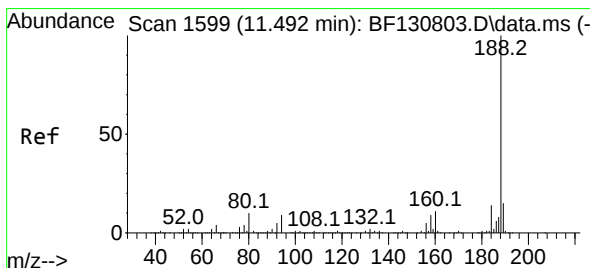
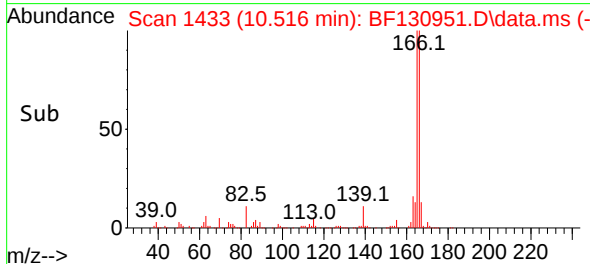
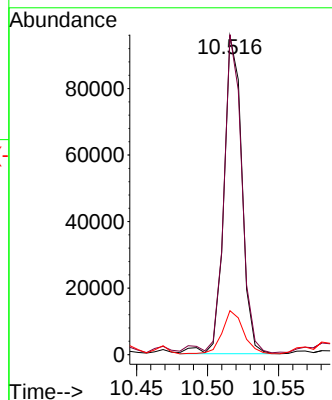
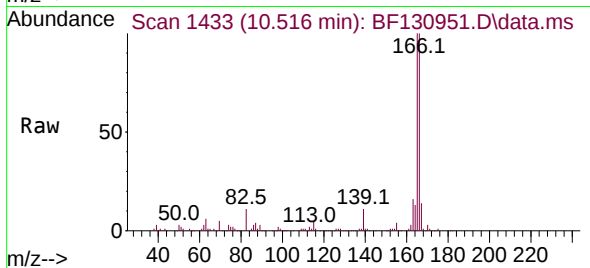
#58
Fluorene
Concen: 7.260 ng
RT: 10.516 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Instrument :
BNA_F
ClientSampleId :
TP-EDL

Tgt Ion:166 Resp: 8386
Ion Ratio Lower Upper
166 100
165 100.5 78.1 117.1
167 13.8 10.4 15.6

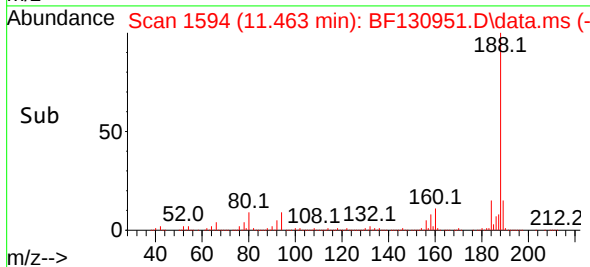
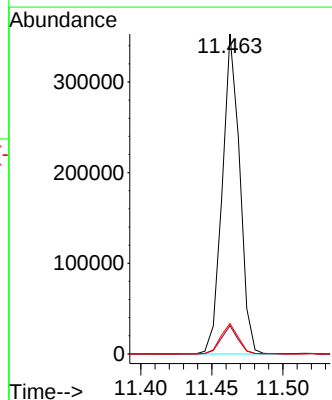
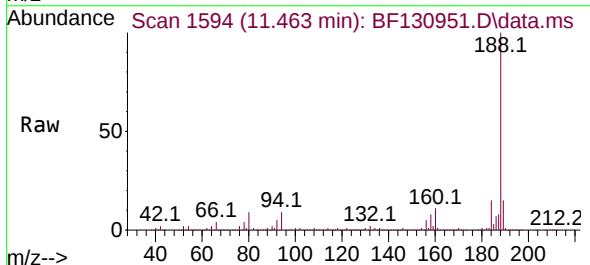
Manual Integrations
APPROVED

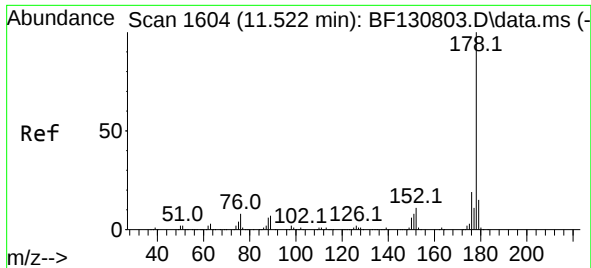
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

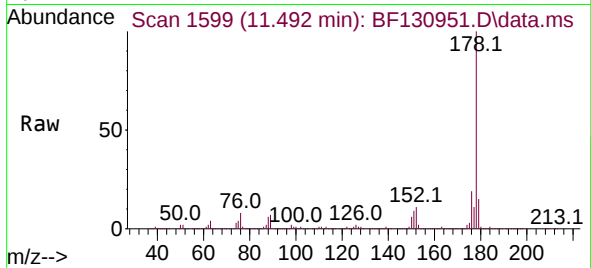
Tgt Ion:188 Resp: 301485
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.5 8.0 12.0





#71
Phenanthrene
Concen: 43.462 ng
RT: 11.492 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

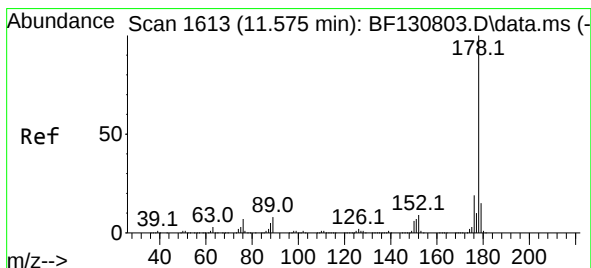
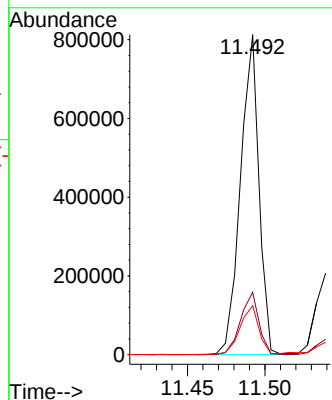
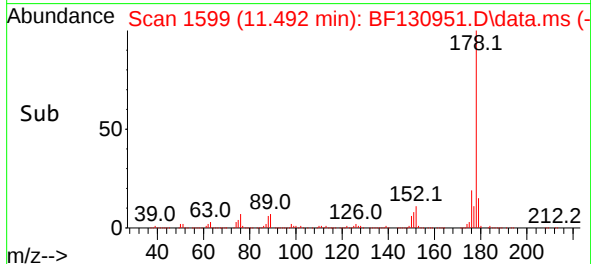
Instrument :
BNA_F
ClientSampleId :
TP-EDL



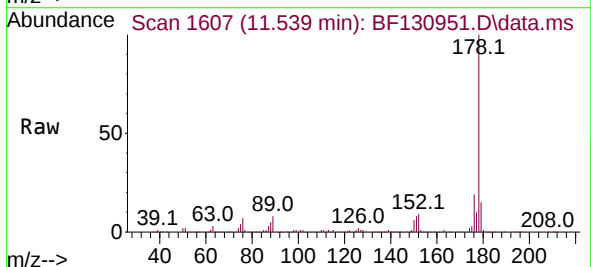
Tgt Ion:178 Resp: 676290
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.3 12.2 18.2

Manual Integrations
APPROVED

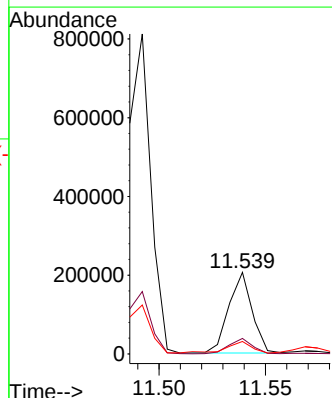
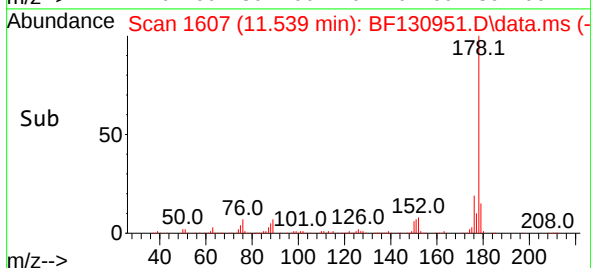
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022

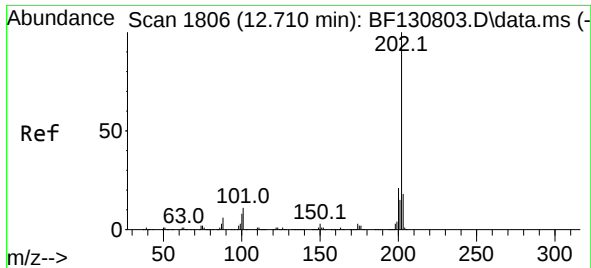


#72
Anthracene
Concen: 10.204 ng
RT: 11.539 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29



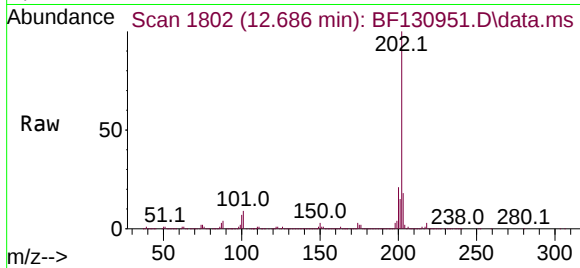
Tgt Ion:178 Resp: 156615
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.2 12.2 18.4





#75
Fluoranthene
Concen: 34.221 ng
RT: 12.686 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

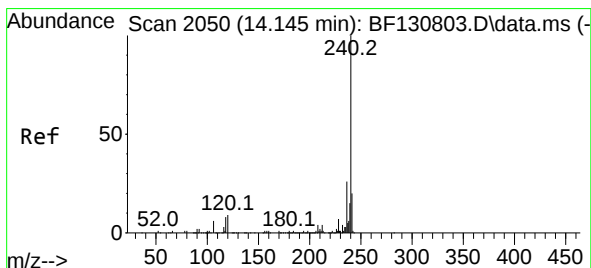
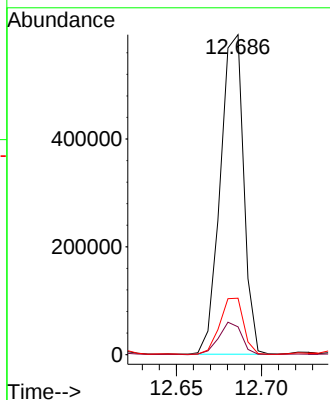
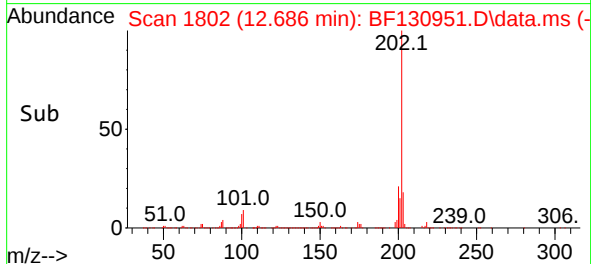
Instrument :
BNA_F
ClientSampleId :
TP-EDL



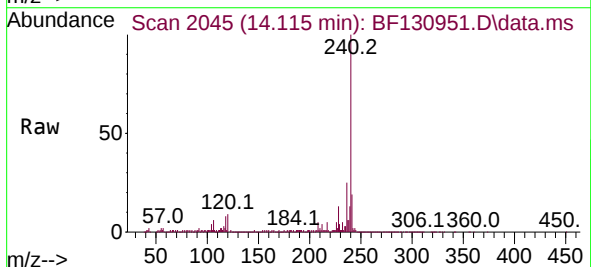
Tgt Ion:202 Resp: 565769
Ion Ratio Lower Upper
202 100
101 8.7 0.0 30.9
203 17.6 0.0 37.7

Manual Integrations
APPROVED

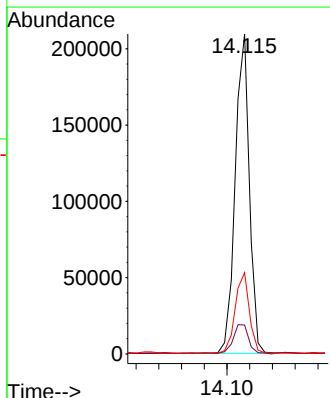
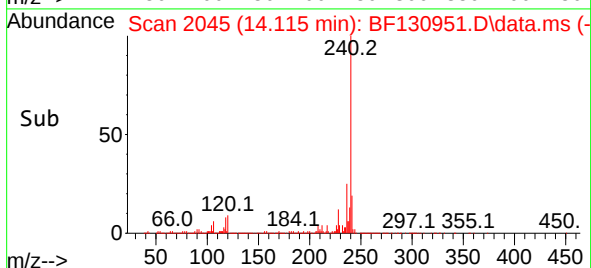
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022

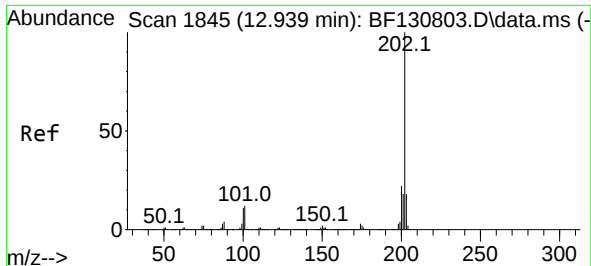


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29



Tgt Ion:240 Resp: 181231
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.4
236 25.4 20.5 30.7





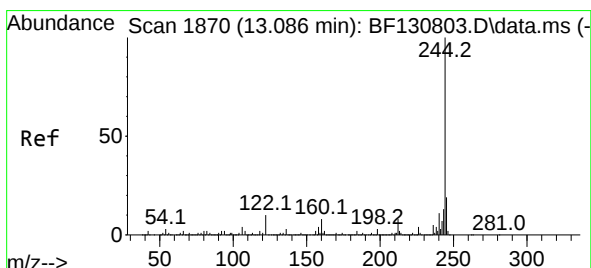
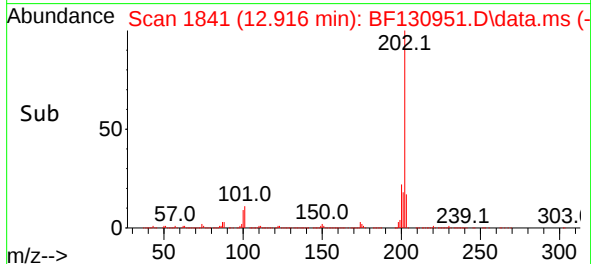
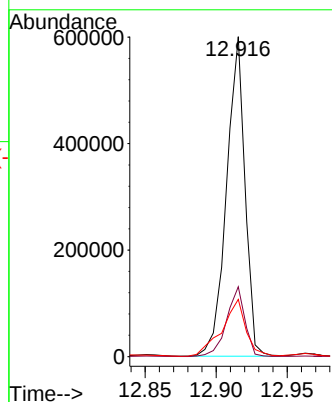
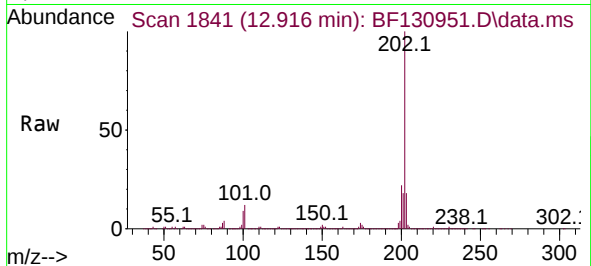
#78
Pyrene
Concen: 35.484 ng
RT: 12.916 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Instrument :
BNA_F
ClientSampleId :
TP-EDL

Tgt Ion:202 Resp: 54254
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 17.9 14.5 21.7

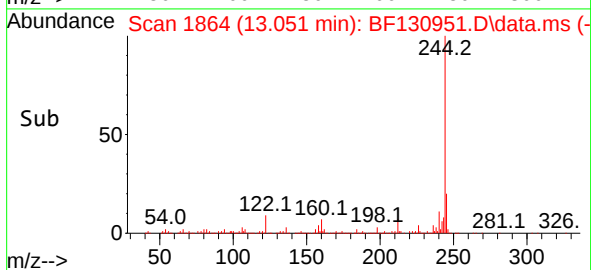
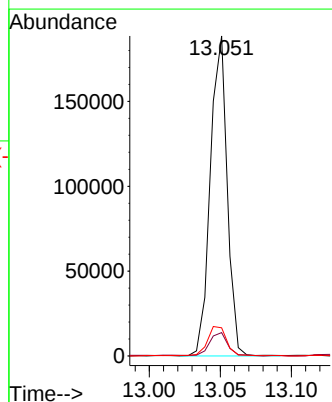
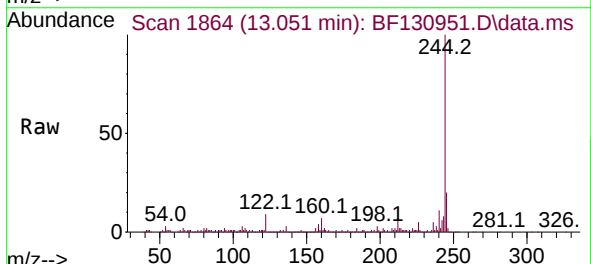
Manual Integrations
APPROVED

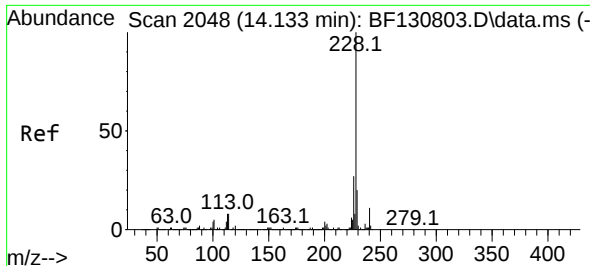
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#79
Terphenyl-d14
Concen: 15.766 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion:244 Resp: 155928
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 8.8 7.9 11.9





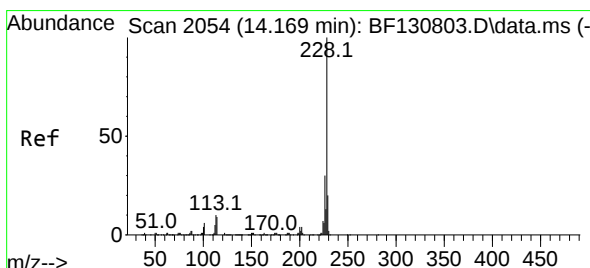
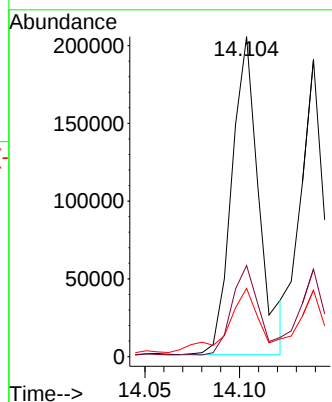
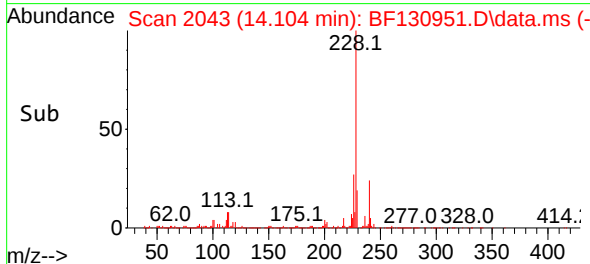
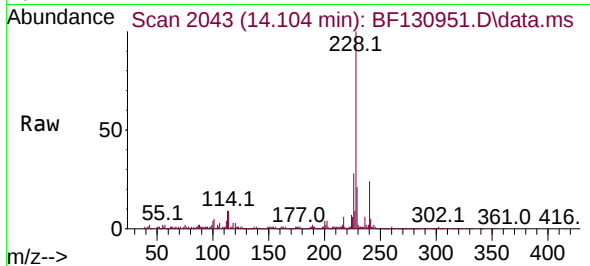
#81
Benzo(a)anthracene
Concen: 16.992 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Instrument :
BNA_F
ClientSampleId :
TP-EDL

Tgt Ion:228 Resp: 204166
Ion Ratio Lower Upper
228 100
226 28.5 21.4 32.2
229 21.3 15.8 23.6

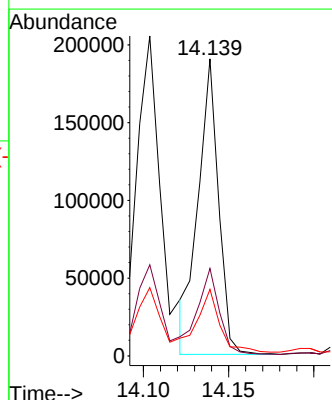
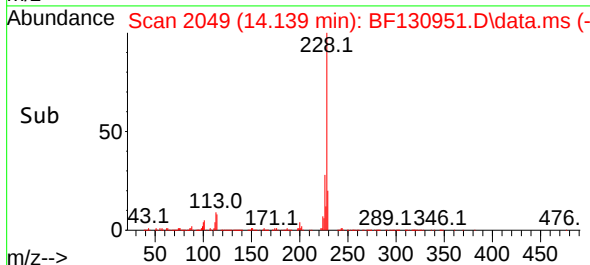
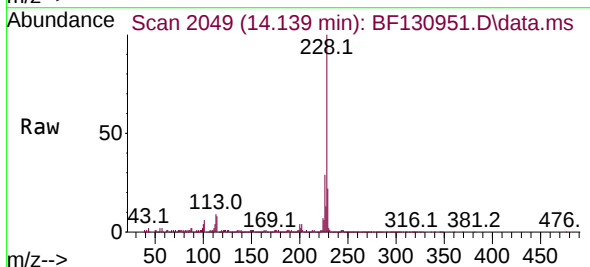
Manual Integrations
APPROVED

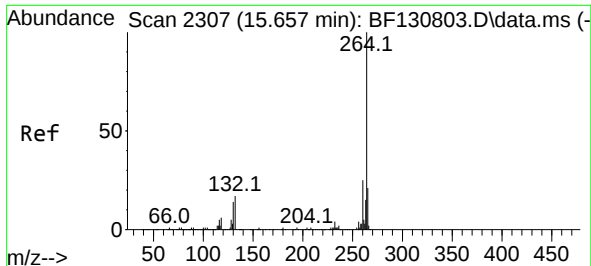
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#83
Chrysene
Concen: 13.688 ng
RT: 14.139 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

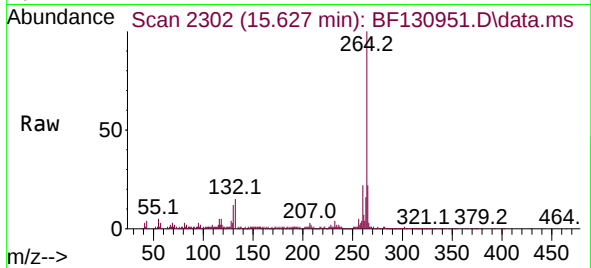
Tgt Ion:228 Resp: 158644
Ion Ratio Lower Upper
228 100
226 29.4 23.9 35.9
229 22.4 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2307
Delta R.T. -0.000 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

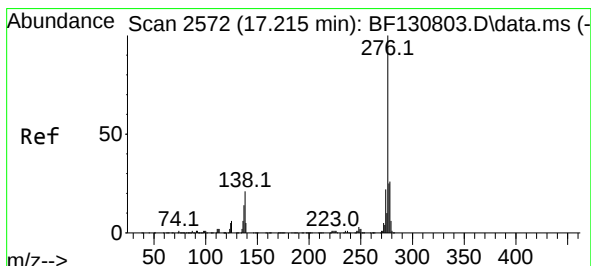
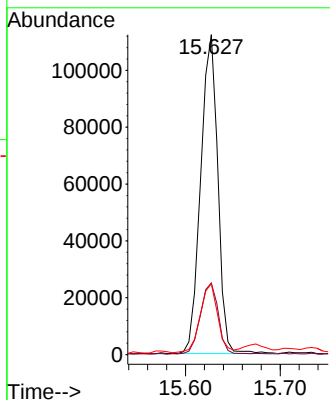
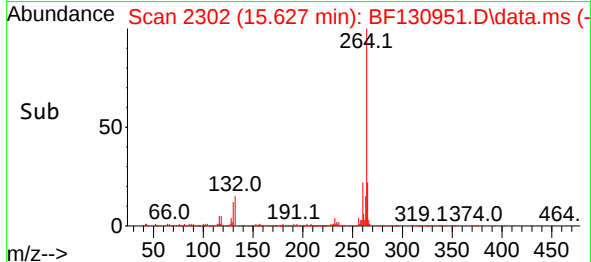
Instrument :
BNA_F
ClientSampleId :
TP-EDL



Tgt Ion:264 Resp: 141244
Ion Ratio Lower Upper
264 100
260 22.4 19.9 29.9
265 22.2 17.0 25.6

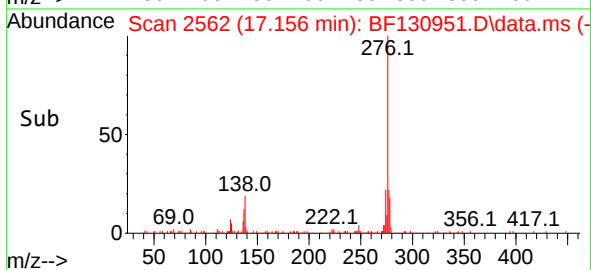
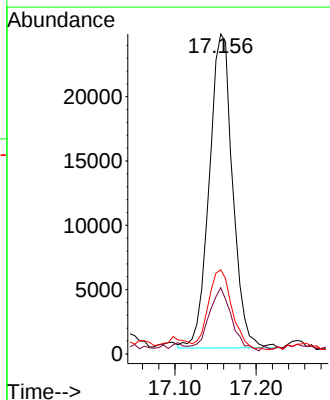
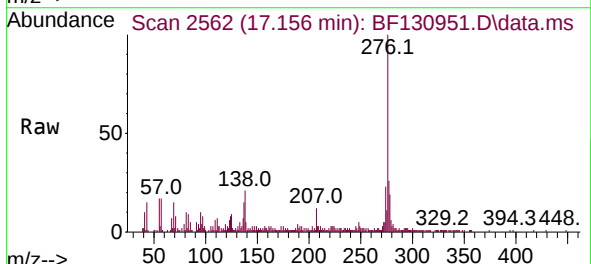
Manual Integrations
APPROVED

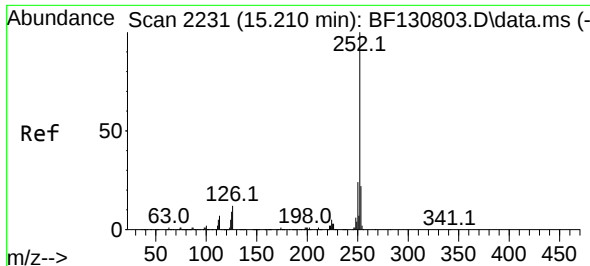
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.223 ng
RT: 17.156 min Scan# 2562
Delta R.T. -0.018 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

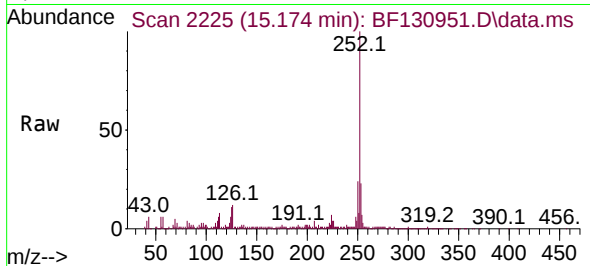
Tgt Ion:276 Resp: 48991
Ion Ratio Lower Upper
276 100
138 19.7 19.1 28.7
277 25.9 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 15.290 ng m
RT: 15.174 min Scan# 221
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

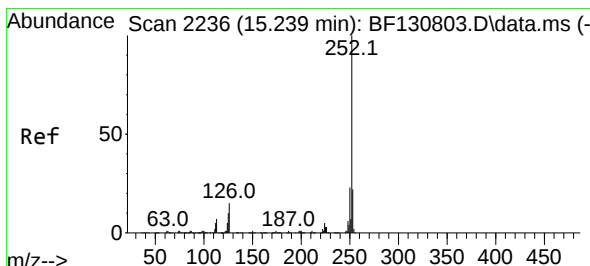
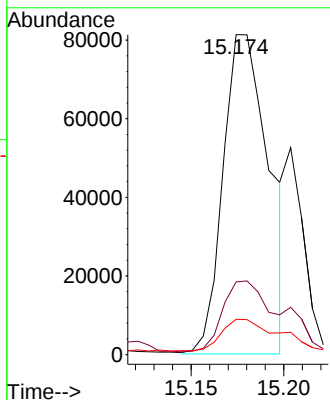
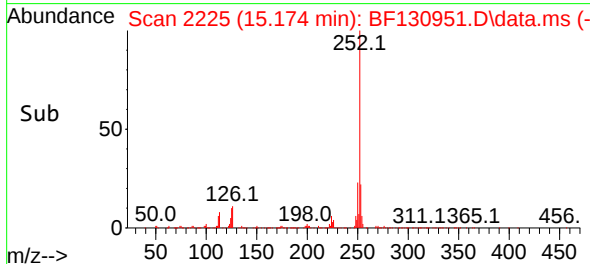
Instrument :
BNA_F
ClientSampleId :
TP-EDL



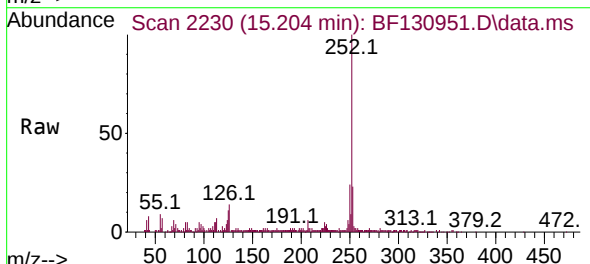
Tgt Ion:252 Resp: 13960
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 11.0 7.0 10.4

Manual Integrations
APPROVED

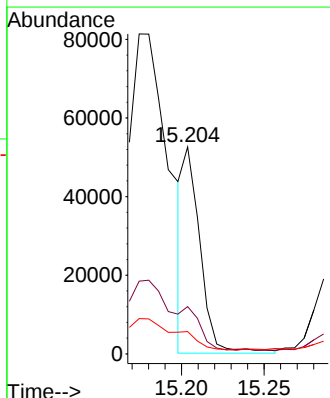
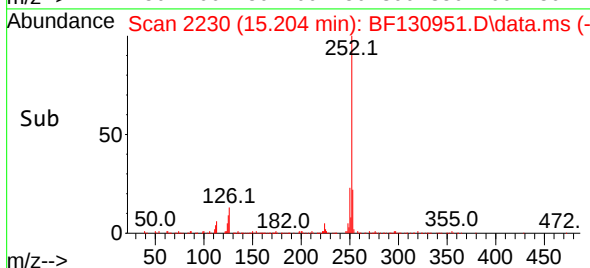
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022

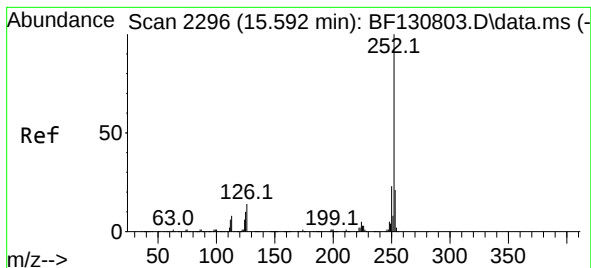


#89
Benzo(k)fluoranthene
Concen: 4.222 ng m
RT: 15.204 min Scan# 2230
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29



Tgt Ion:252 Resp: 37559
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.8 8.0 12.0





#90

Benzo(a)pyrene

Concen: 14.395 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF130951.D

Acq: 03 Nov 2022 02:29

Instrument :

BNA_F

ClientSampleId :

TP-EDL

Tgt Ion:252 Resp: 105658

Ion Ratio Lower Upper

252 100

253 24.6 16.8 25.2

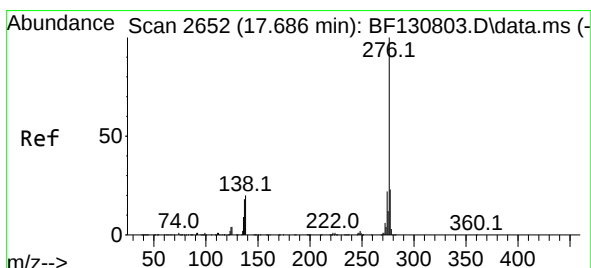
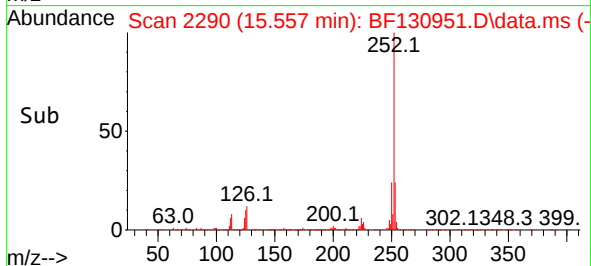
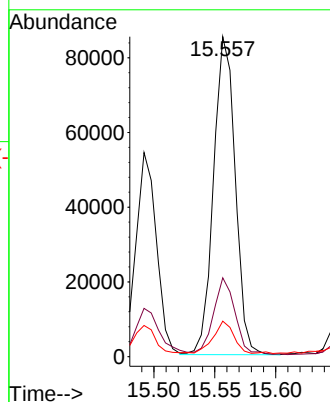
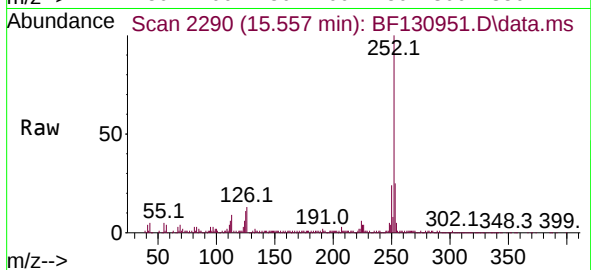
125 11.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/03/2022

Supervised By :Jagrut Upadhyay 11/03/2022



#92

Benzo(g,h,i)perylene

Concen: 5.865 ng

RT: 17.627 min Scan# 2642

Delta R.T. -0.024 min

Lab File: BF130951.D

Acq: 03 Nov 2022 02:29

Tgt Ion:276 Resp: 45752

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 18.3 16.3 24.5

