

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130913.D
 Acq On : 01 Nov 2022 22:09
 Operator : CG\JU
 Sample : N5380-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-E

Quant Time: Nov 02 08:25:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 08:18:35 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 11/02/2022
 Supervised By : Jagrut Upadhyay 11/02/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	73699	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	244350	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	110284	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	193351	20.000	ng	0.00
76) Chrysene-d12	14.133	240	124220	20.000	ng	# 0.00
86) Perylene-d12	15.651	264	96342	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	461903	108.653	ng	0.00
7) Phenol-d6	6.557	99	546949	99.006	ng	0.00
23) Nitrobenzene-d5	7.498	82	344531	85.021	ng	0.00
42) 2,4,6-Tribromophenol	10.774	330	110523	119.051	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	530693	72.753	ng	0.00
79) Terphenyl-d14	13.068	244	512128	75.547	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.239	128	33604	2.636	ng	99
37) 2-Methylnaphthalene	8.933	142	39029	4.867	ng	97
38) 1-Methylnaphthalene	9.033	142	39774	5.097	ng	99
49) Acenaphthylene	9.845	152	64997	6.528	ng	97
52) Acenaphthene	10.016	154	85594	13.903	ng	97
55) Dibenzofuran	10.186	168	102894	11.531	ng	# 95
58) Fluorene	10.533	166	237546	33.807	ng	99
71) Phenanthrene	11.516	178	1894593	189.849	ng	99
72) Anthracene	11.557	178	492315	50.016	ng	99
73) Carbazole	11.710	167	89822	10.190	ng	99
75) Fluoranthene	12.710	202	1865495	175.938	ng	99
78) Pyrene	12.945	202	1788798	170.684	ng	99
81) Benzo(a)anthracene	14.127	228	648365	78.725	ng	94
83) Chrysene	14.162	228	551247	69.391	ng	97
87) Indeno(1,2,3-cd)pyrene	17.209	276	152423	23.824	ng	# 95
88) Benzo(b)fluoranthene	15.204	252	409150m	65.697	ng	
89) Benzo(k)fluoranthene	15.233	252	144870m	23.872	ng	
90) Benzo(a)pyrene	15.592	252	338302	67.574	ng	98
91) Dibenzo(a,h)anthracene	17.221	278	41335m	7.925	ng	
92) Benzo(g,h,i)perylene	17.680	276	147756	27.769	ng	96

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

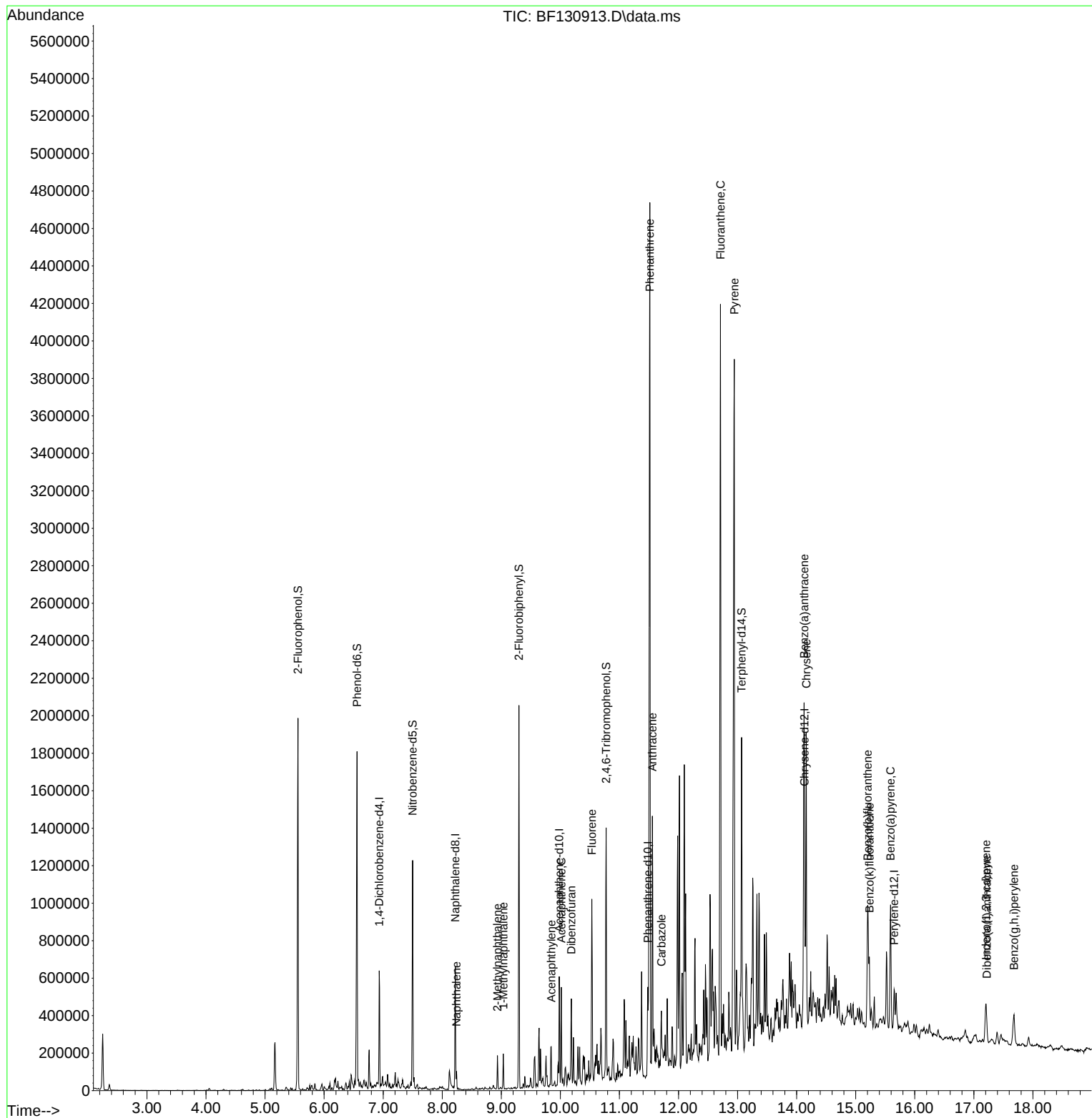
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130913.D
Acq On : 01 Nov 2022 22:09
Operator : CG\JU
Sample : N5380-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-E

Quant Time: Nov 02 08:25:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 08:18:35 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

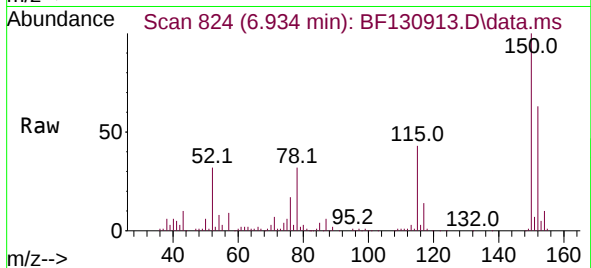
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : Jagrut Upadhyay 11/02/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BF130913.D
 Acq: 01 Nov 2022 22:09

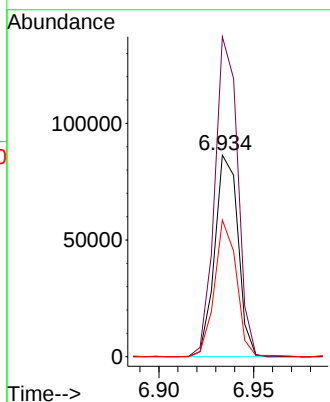
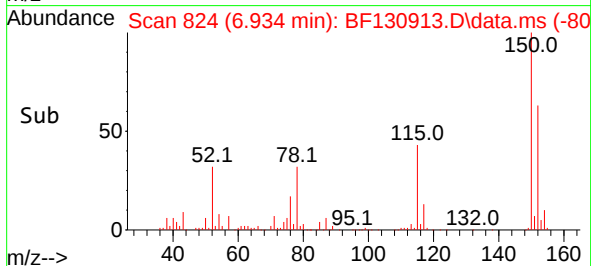
Instrument :
 BNA_F
 ClientSampleId :
 TP-E



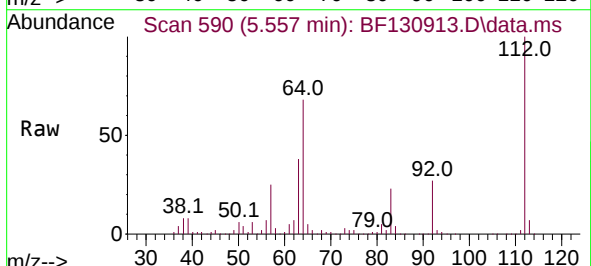
Tgt Ion:152 Resp: 73699
 Ion Ratio Lower Upper
 152 100
 150 158.8 124.1 186.1
 115 67.8 50.1 75.1

Manual Integrations
 APPROVED

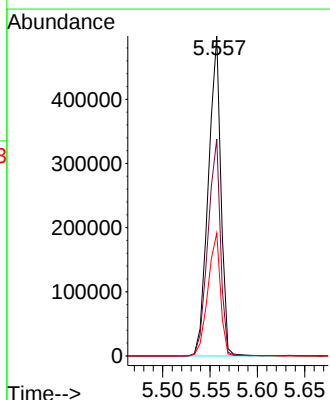
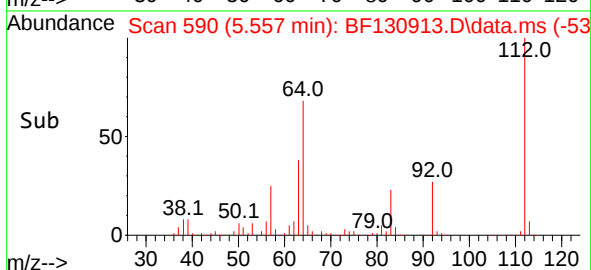
Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :Jagrut Upadhyay 11/02/2022



#5
 2-Fluorophenol
 Concen: 108.653 ng
 RT: 5.557 min Scan# 590
 Delta R.T. 0.006 min
 Lab File: BF130913.D
 Acq: 01 Nov 2022 22:09



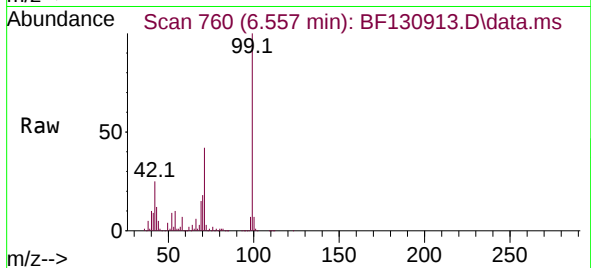
Tgt Ion:112 Resp: 461903
 Ion Ratio Lower Upper
 112 100
 64 67.8 53.9 80.9
 63 38.4 29.4 44.2





#7
Phenol-d6
Concen: 99.006 ng
RT: 6.557 min Scan# 762
Delta R.T. -0.000 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

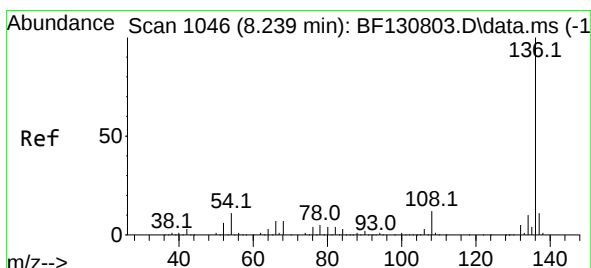
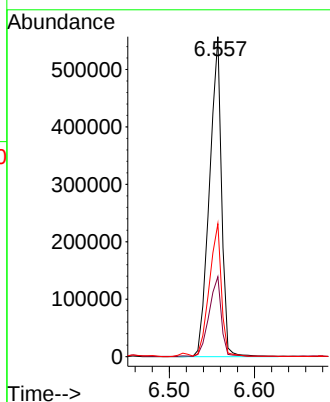
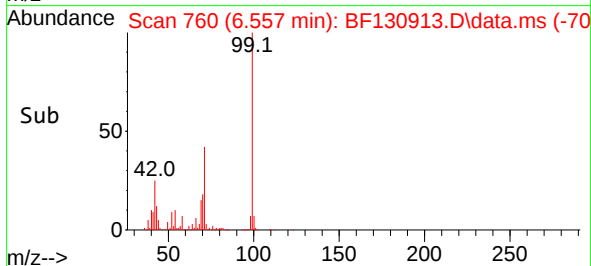
Instrument :
BNA_F
Client Sample Id :
TP-E



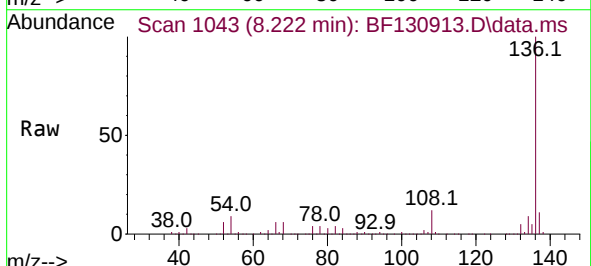
Tgt Ion: 99 Resp: 546949
Ion Ratio Lower Upper
99 100
42 25.0 18.8 28.2
71 41.5 31.4 47.0

Manual Integrations
APPROVED

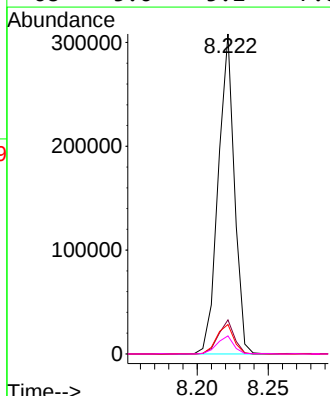
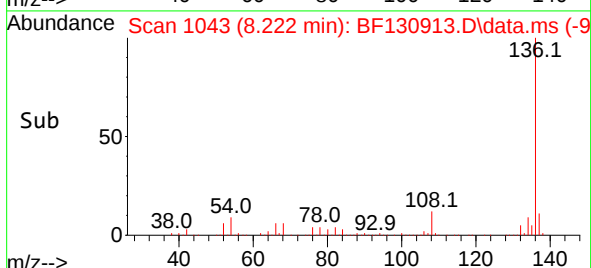
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09



Tgt Ion:136 Resp: 244350
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 9.2 8.8 13.2
68 5.6 5.2 7.8





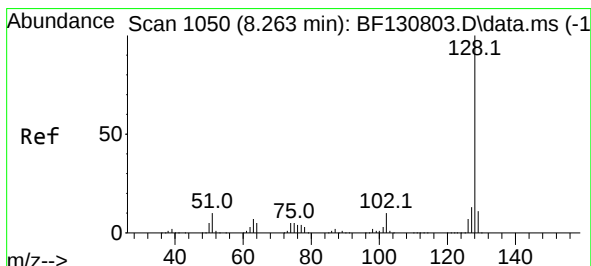
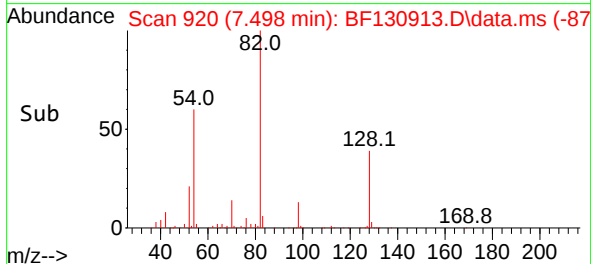
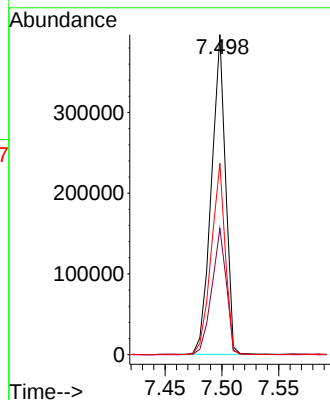
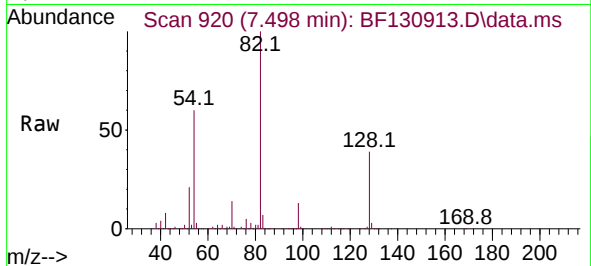
#23
Nitrobenzene-d5
Concen: 85.021 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Instrument :
BNA_F
ClientSampleId :
TP-E

Tgt Ion: 82 Resp: 344531
Ion Ratio Lower Upper
82 100
128 39.4 31.2 46.8
54 59.8 48.0 72.0

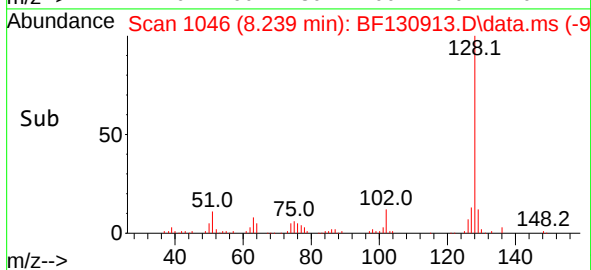
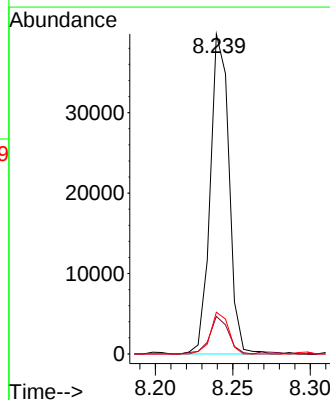
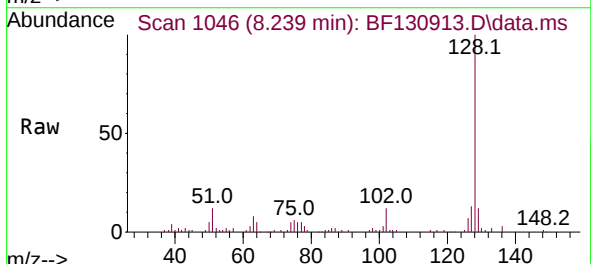
Manual Integrations
APPROVED

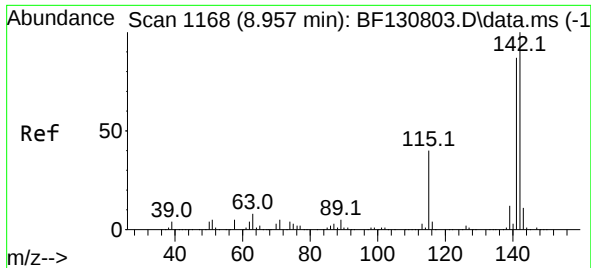
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#31
Naphthalene
Concen: 2.636 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Tgt Ion:128 Resp: 33604
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.0 10.6 16.0





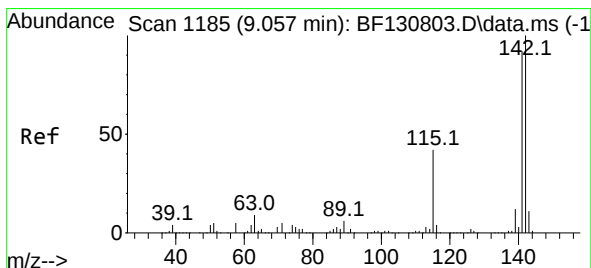
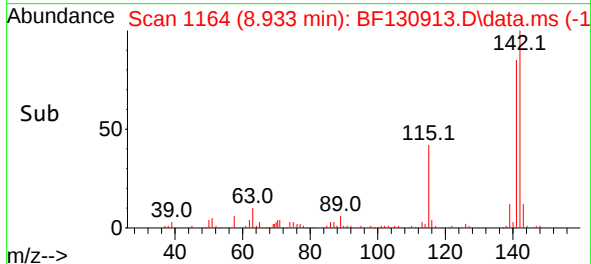
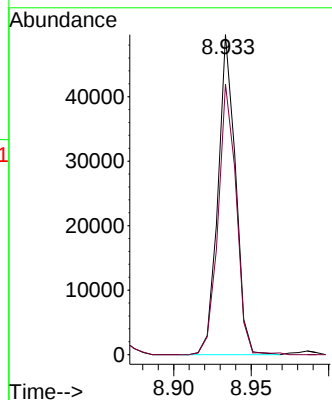
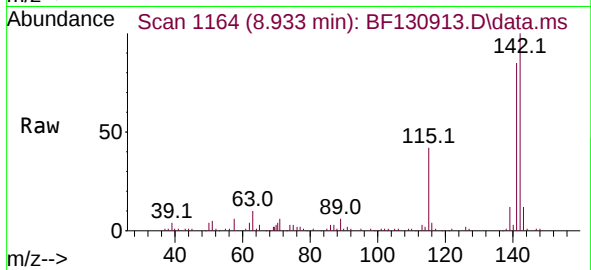
#37
2-Methylnaphthalene
Concen: 4.867 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Instrument :
BNA_F
ClientSampleId :
TP-E

Tgt Ion:142 Resp: 39029
Ion Ratio Lower Upper
142 100
141 84.6 69.9 104.9

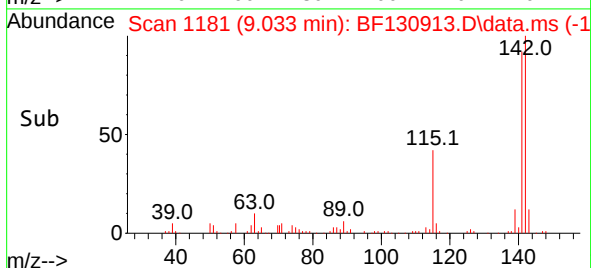
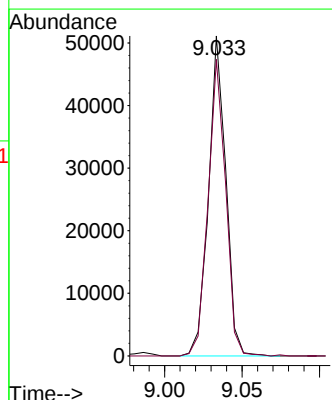
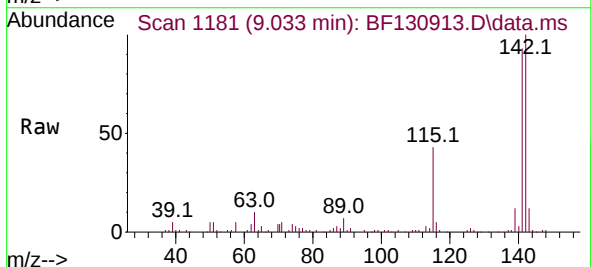
Manual Integrations
APPROVED

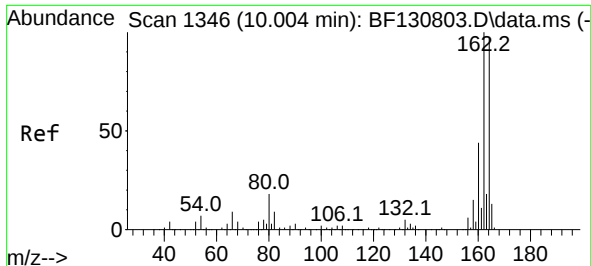
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#38
1-Methylnaphthalene
Concen: 5.097 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

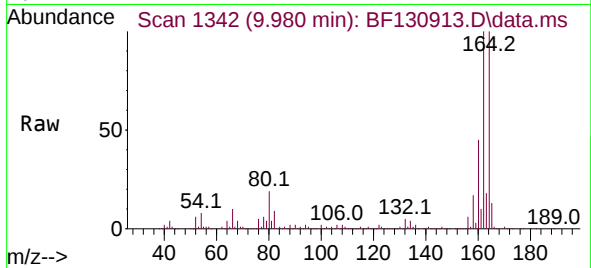
Tgt Ion:142 Resp: 39774
Ion Ratio Lower Upper
142 100
141 92.6 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

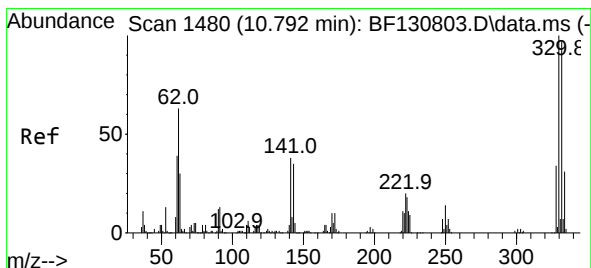
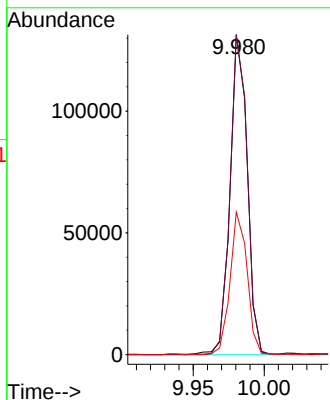
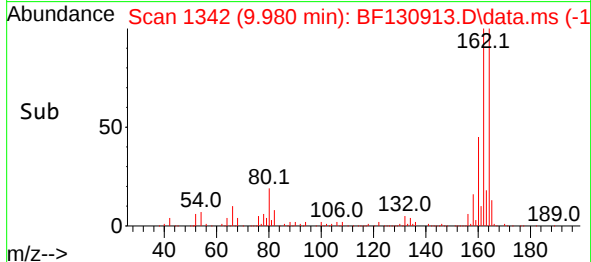
Instrument :
BNA_F
ClientSampleId :
TP-E



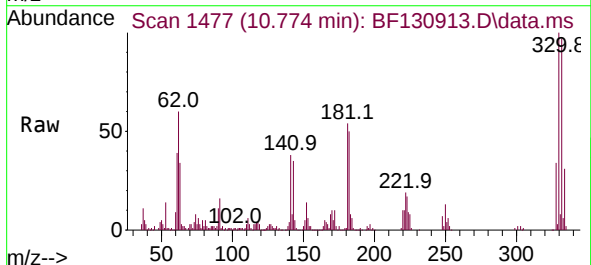
Tgt Ion:164 Resp: 110284
Ion Ratio Lower Upper
164 100
162 100.0 82.2 123.2
160 44.5 36.6 54.8

Manual Integrations
APPROVED

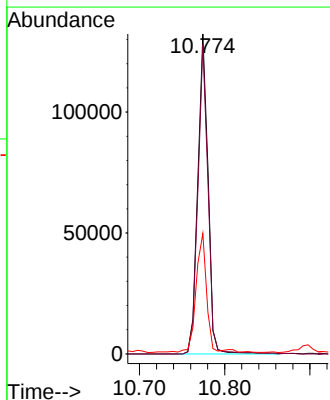
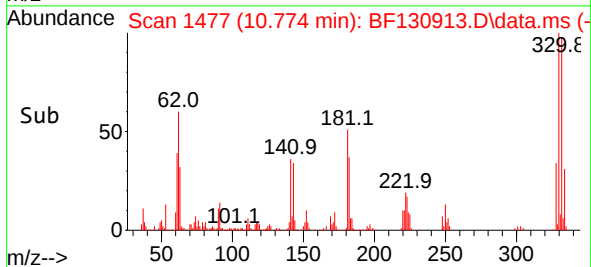
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

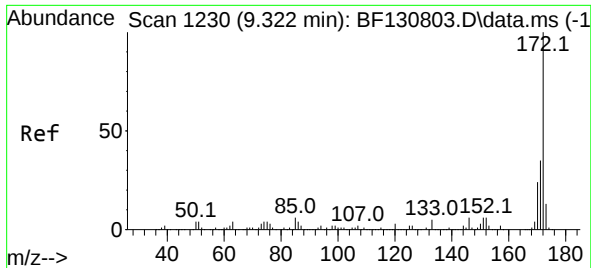


#42
2,4,6-Tribromophenol
Concen: 119.051 ng
RT: 10.774 min Scan# 1477
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09



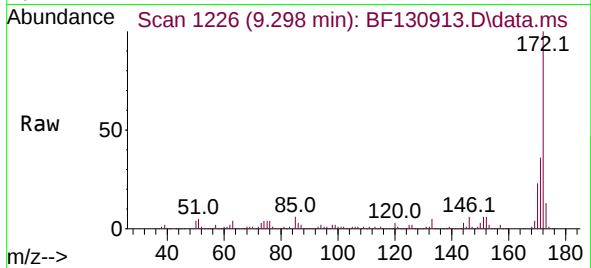
Tgt Ion:330 Resp: 110523
Ion Ratio Lower Upper
330 100
332 95.2 76.2 114.4
141 38.1 31.4 47.0





#45
2-Fluorobiphenyl
Concen: 72.753 ng
RT: 9.298 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

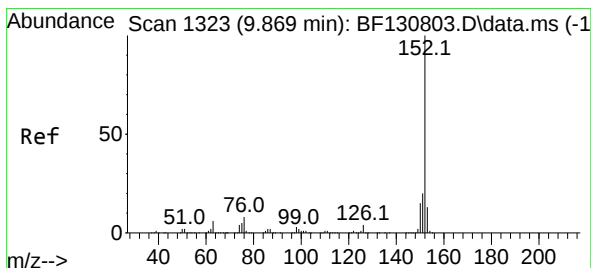
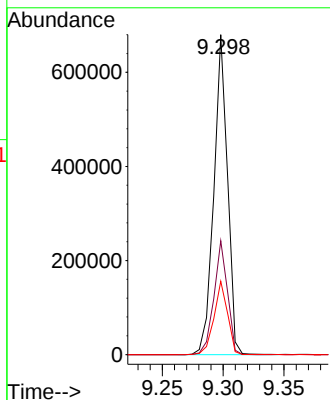
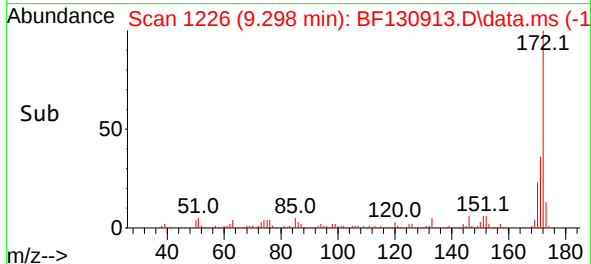
Instrument :
BNA_F
ClientSampleId :
TP-E



Tgt Ion:172 Resp: 530693
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 22.9 19.0 28.4

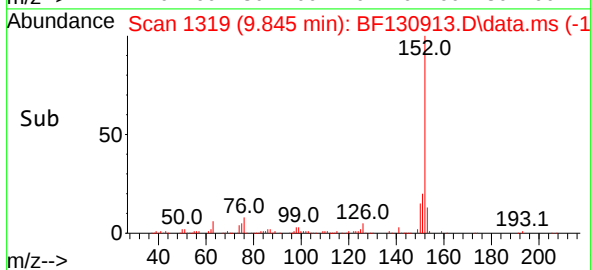
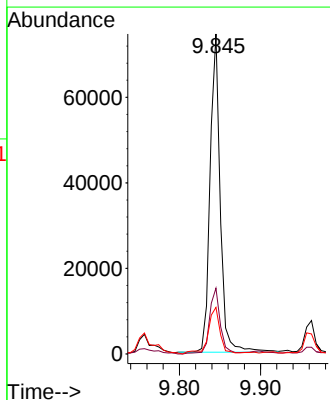
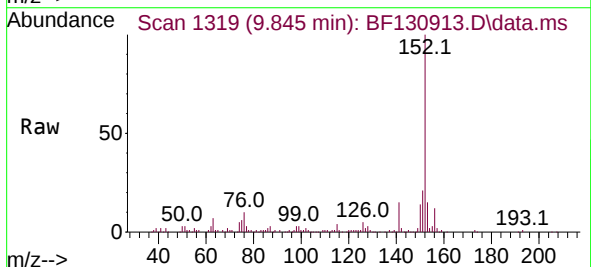
Manual Integrations
APPROVED

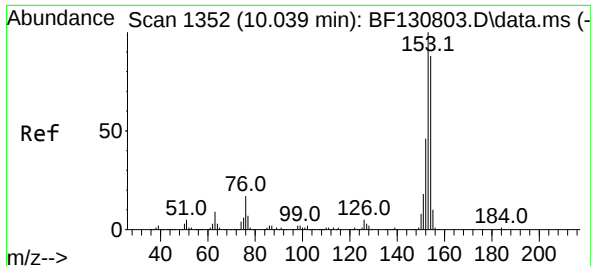
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#49
Acenaphthylene
Concen: 6.528 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Tgt Ion:152 Resp: 64997
Ion Ratio Lower Upper
152 100
151 20.5 15.8 23.8
153 14.5 10.2 15.4





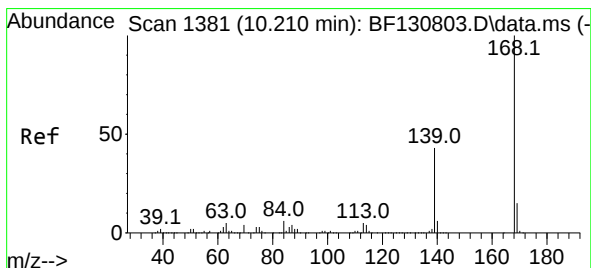
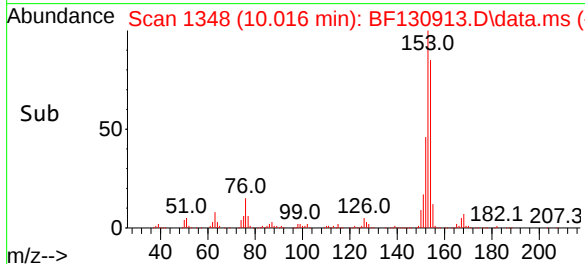
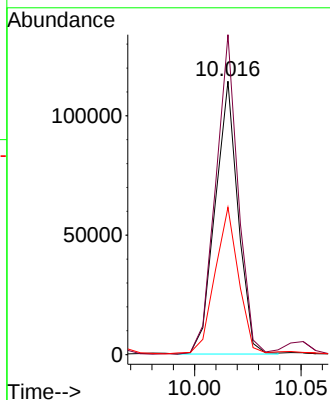
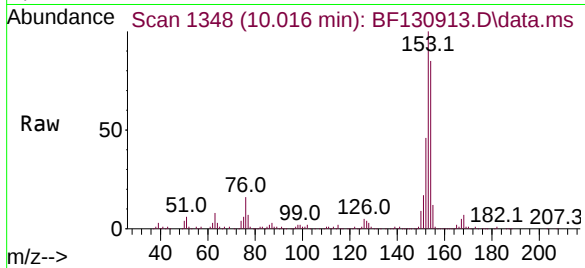
#52
Acenaphthene
Concen: 13.903 ng
RT: 10.016 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Instrument :
BNA_F
ClientSampleId :
TP-E

Tgt Ion:154 Resp: 85594
Ion Ratio Lower Upper
154 100
153 117.0 90.5 135.7
152 53.9 42.0 63.0

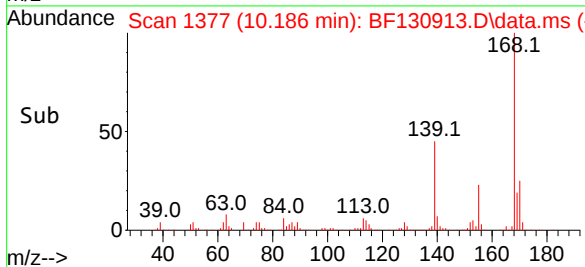
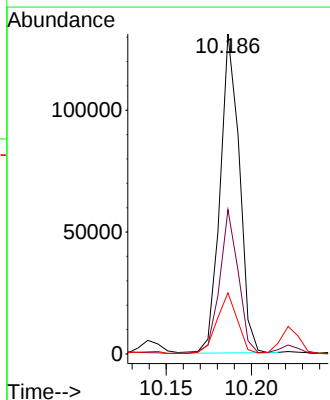
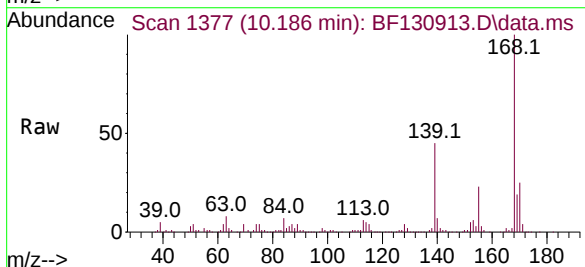
Manual Integrations
APPROVED

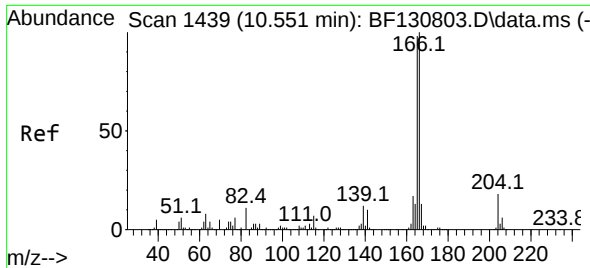
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#55
Dibenzofuran
Concen: 11.531 ng
RT: 10.186 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Tgt Ion:168 Resp: 102894
Ion Ratio Lower Upper
168 100
139 45.1 34.3 51.5
169 19.1 11.9 17.9#





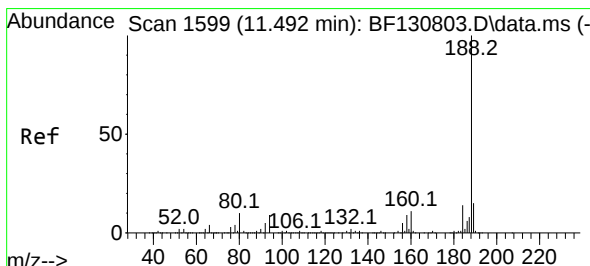
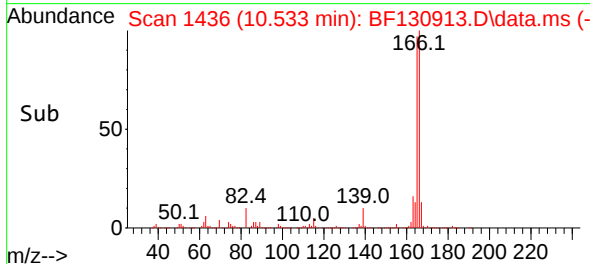
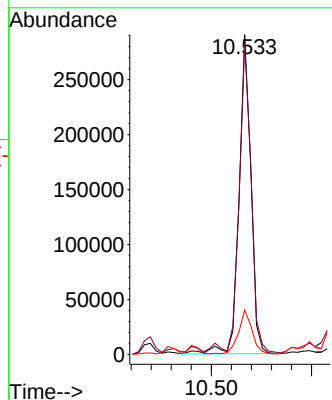
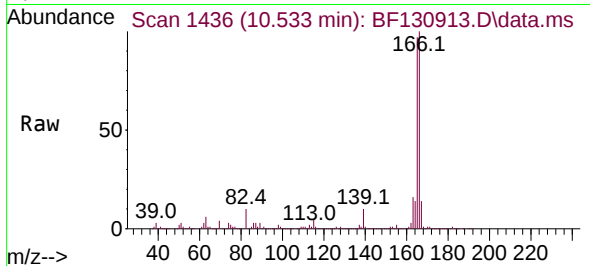
#58
Fluorene
Concen: 33.807 ng
RT: 10.533 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Instrument :
BNA_F
ClientSampleId :
TP-E

Tgt Ion:166 Resp: 237546
Ion Ratio Lower Upper
166 100
165 96.9 78.1 117.1
167 13.9 10.4 15.6

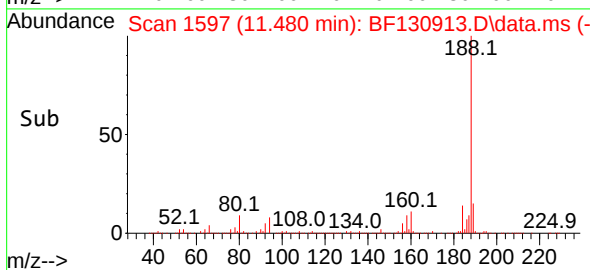
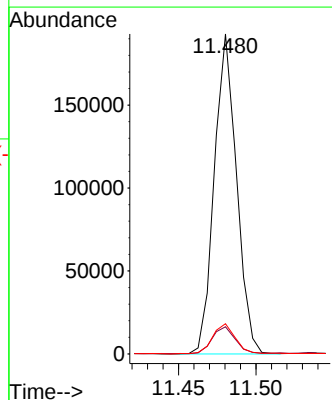
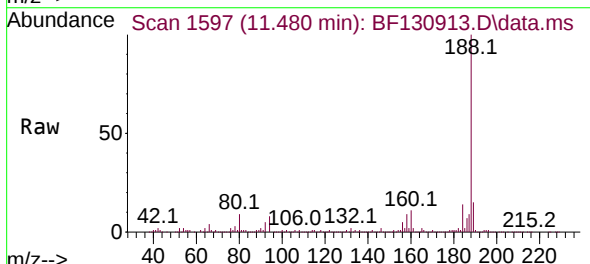
Manual Integrations
APPROVED

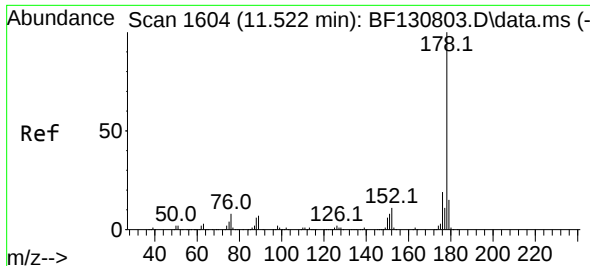
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

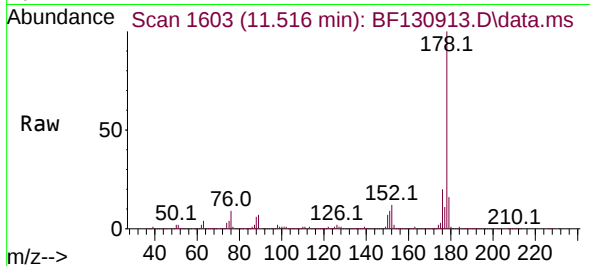
Tgt Ion:188 Resp: 193351
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 9.5 8.0 12.0





#71
Phenanthrene
Concen: 189.849 ng
RT: 11.516 min Scan# 1603
Delta R.T. 0.012 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

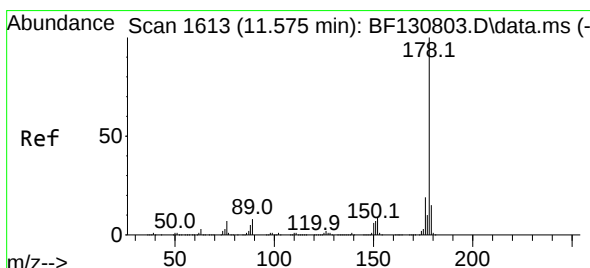
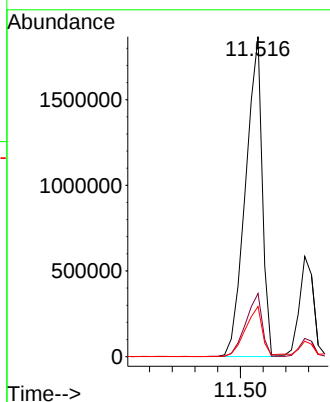
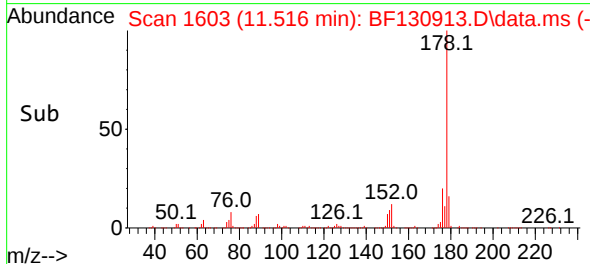
Instrument :
BNA_F
ClientSampleId :
TP-E



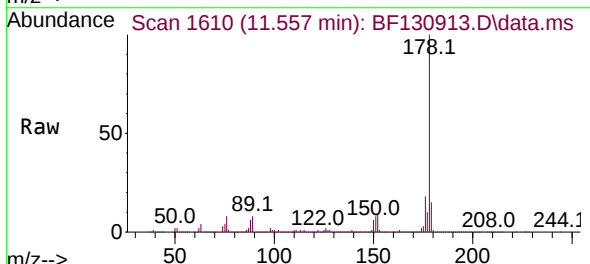
Tgt Ion:178 Resp: 1894593
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.7 12.2 18.2

Manual Integrations
APPROVED

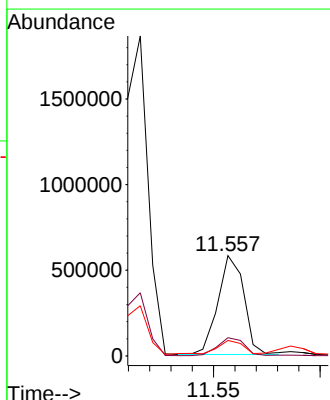
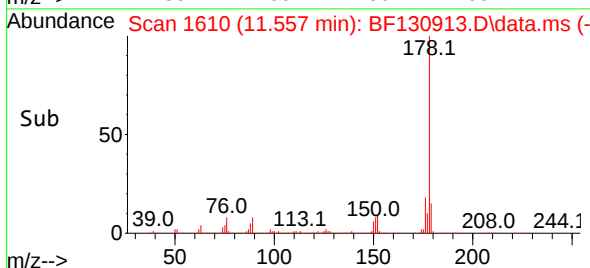
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

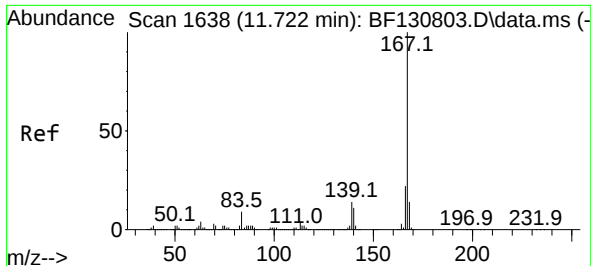


#72
Anthracene
Concen: 50.016 ng
RT: 11.557 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09



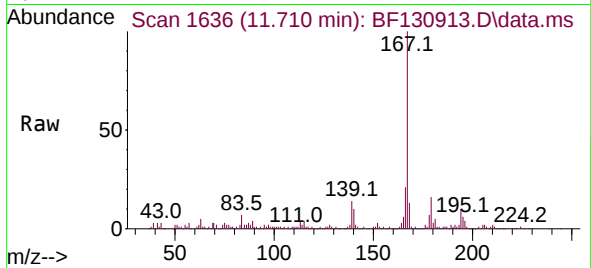
Tgt Ion:178 Resp: 492315
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.4 12.2 18.4





#73
 Carbazole
 Concen: 10.190 ng
 RT: 11.710 min Scan# 1638
 Delta R.T. -0.000 min
 Lab File: BF130913.D
 Acq: 01 Nov 2022 22:09

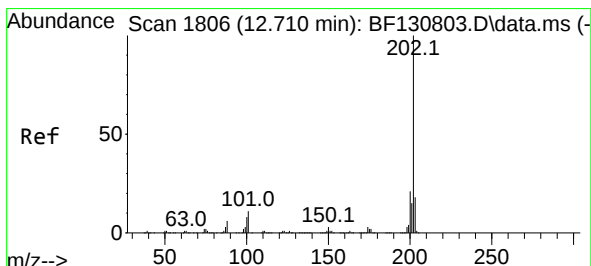
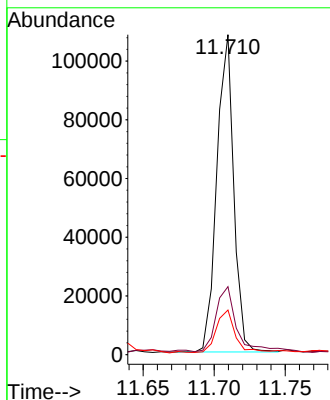
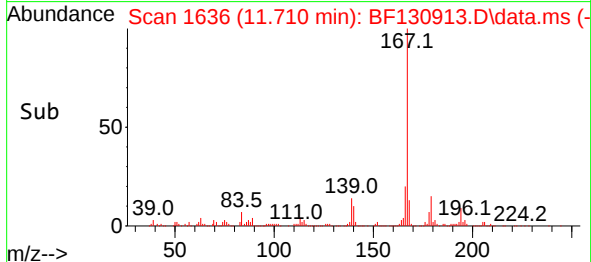
Instrument :
 BNA_F
 ClientSampleId :
 TP-E



Tgt Ion:167 Resp: 89822
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.4 26.0
 139 13.9 11.3 16.9

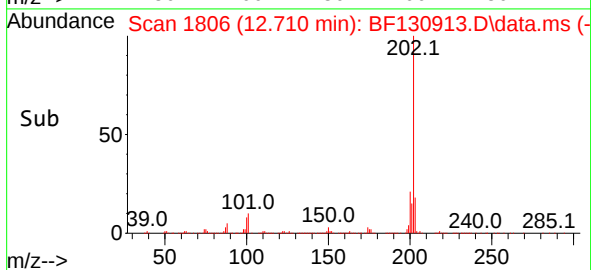
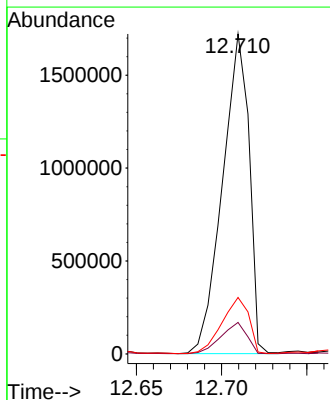
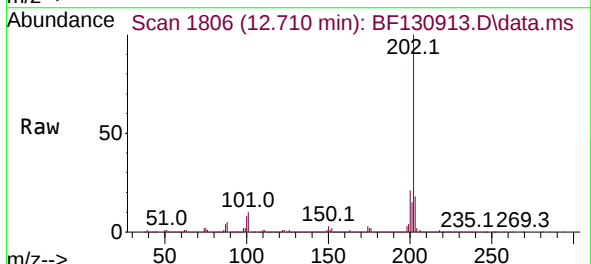
Manual Integrations
 APPROVED

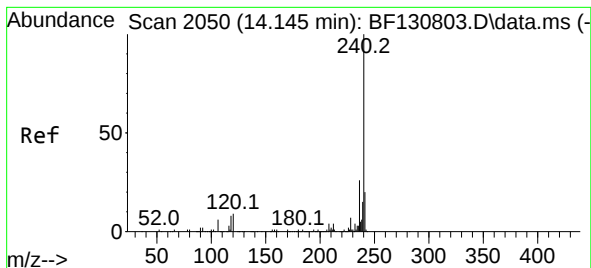
Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :Jagrut Upadhyay 11/02/2022



#75
 Fluoranthene
 Concen: 175.938 ng
 RT: 12.710 min Scan# 1806
 Delta R.T. 0.012 min
 Lab File: BF130913.D
 Acq: 01 Nov 2022 22:09

Tgt Ion:202 Resp: 1865495
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.9
 203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2050

Delta R.T. 0.006 min

Lab File: BF130913.D

Acq: 01 Nov 2022 22:09

Instrument :

BNA_F

ClientSampleId :

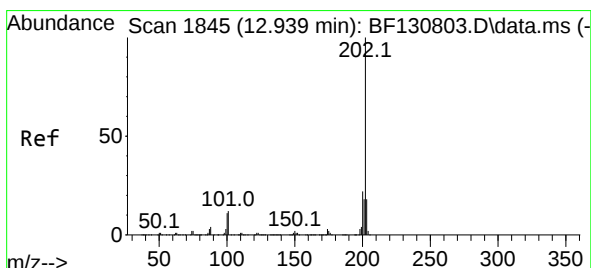
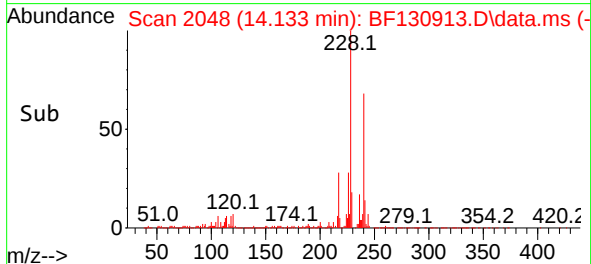
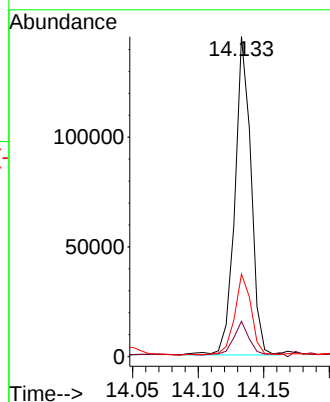
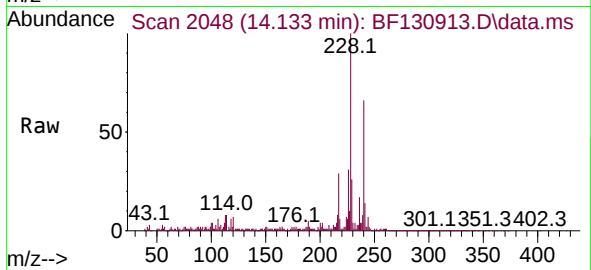
TP-E

Tgt Ion:240 Resp: 124220
 Ion Ratio Lower Upper
 240 100
 120 11.0 7.0 10.4
 236 25.8 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :Jagrut Upadhyay 11/02/2022



#78

Pyrene

Concen: 170.684 ng

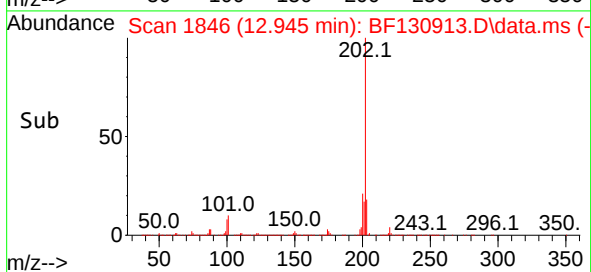
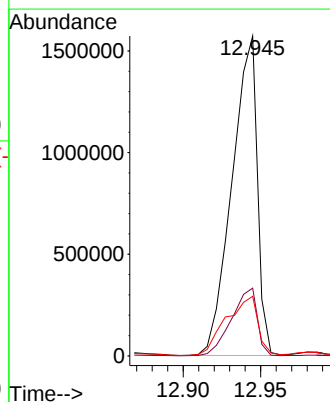
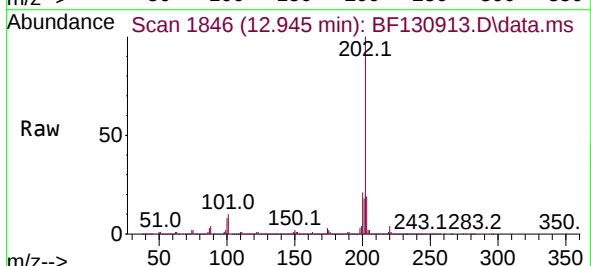
RT: 12.945 min Scan# 1846

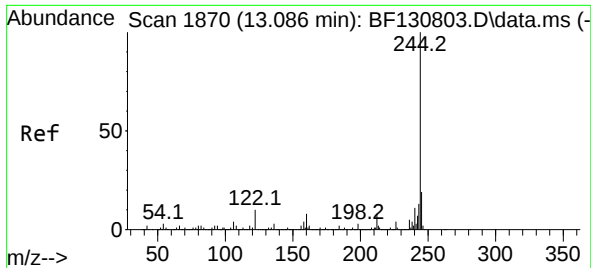
Delta R.T. 0.018 min

Lab File: BF130913.D

Acq: 01 Nov 2022 22:09

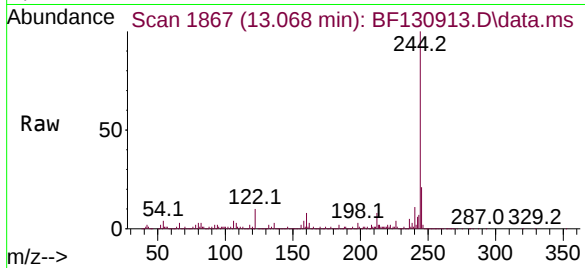
Tgt Ion:202 Resp: 1788798
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.2 25.8
 203 18.6 14.5 21.7





#79
Terphenyl-d14
Concen: 75.547 ng
RT: 13.068 min Scan# 1867
Delta R.T. -0.000 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

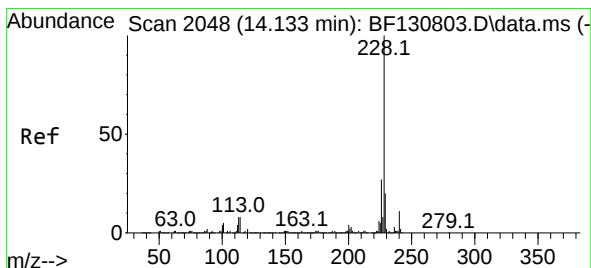
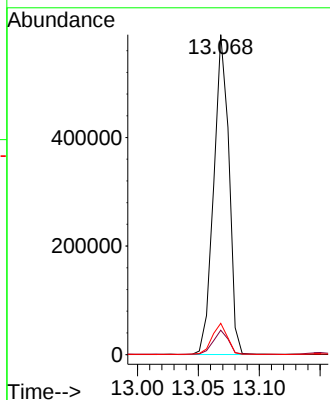
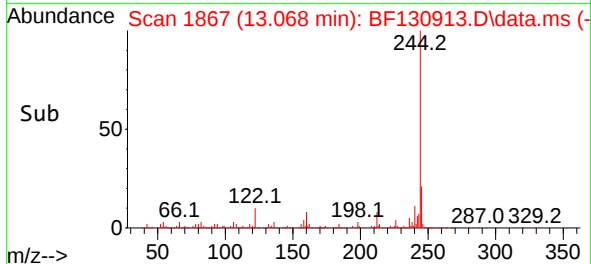
Instrument :
BNA_F
ClientSampleId :
TP-E



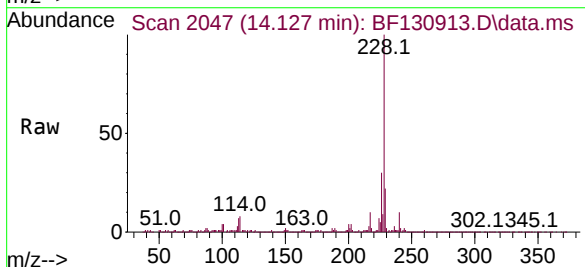
Tgt Ion:244 Resp: 512128
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 9.8 7.9 11.9

Manual Integrations
APPROVED

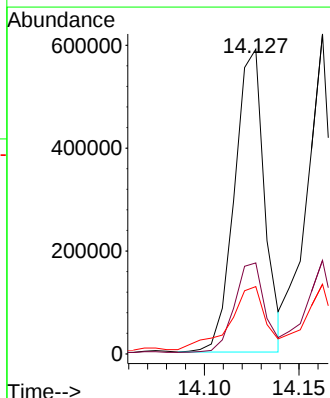
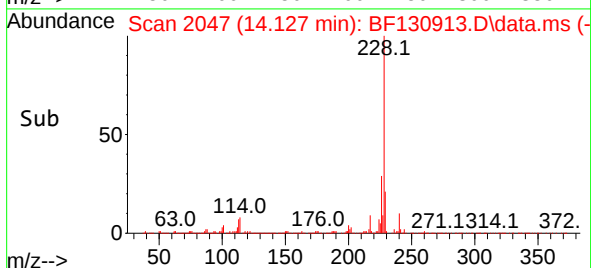
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

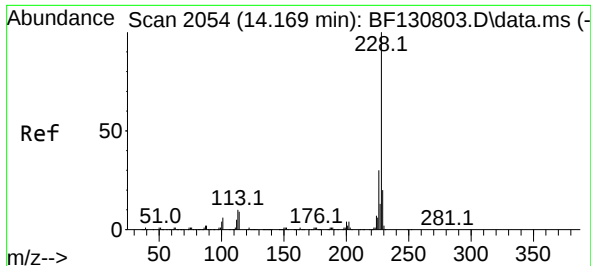


#81
Benzo(a)anthracene
Concen: 78.725 ng
RT: 14.127 min Scan# 2047
Delta R.T. 0.012 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09



Tgt Ion:228 Resp: 648365
Ion Ratio Lower Upper
228 100
226 29.8 21.4 32.2
229 22.1 15.8 23.6





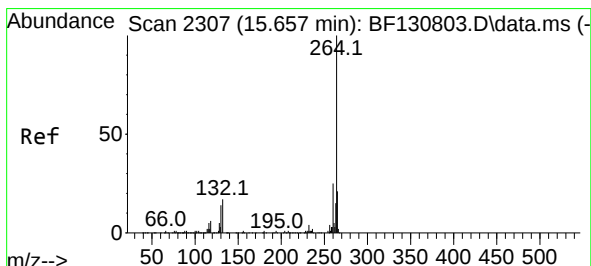
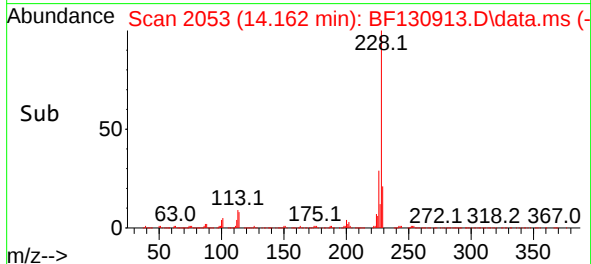
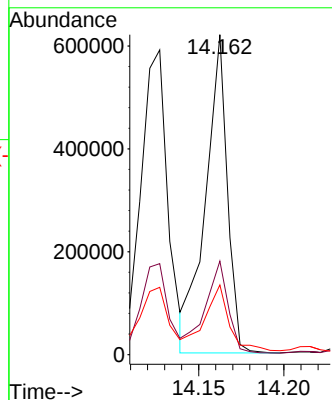
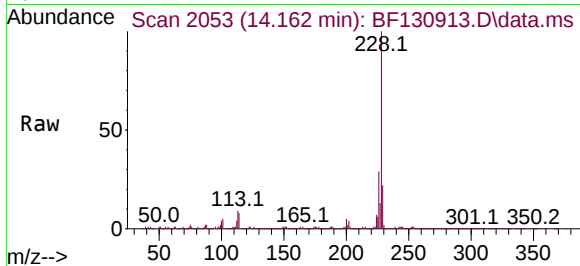
#83
Chrysene
Concen: 69.391 ng
RT: 14.162 min Scan# 2053
Delta R.T. 0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Instrument :
BNA_F
ClientSampleId :
TP-E

Tgt Ion:228 Resp: 55124
Ion Ratio Lower Upper
228 100
226 29.2 23.9 35.9
229 21.8 15.8 23.6

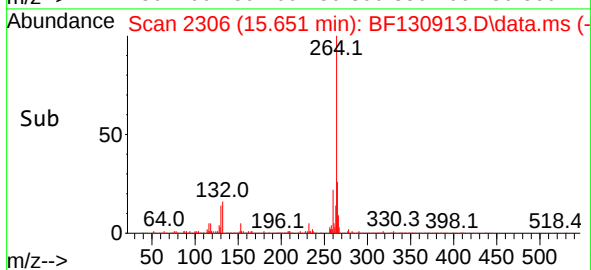
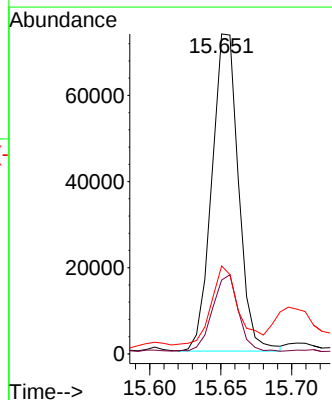
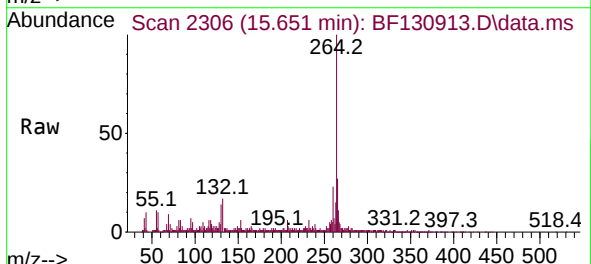
Manual Integrations
APPROVED

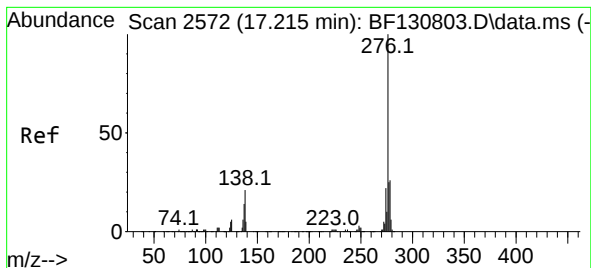
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 2306
Delta R.T. 0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Tgt Ion:264 Resp: 96342
Ion Ratio Lower Upper
264 100
260 23.1 19.9 29.9
265 27.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.824 ng

RT: 17.209 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF130913.D

Acq: 01 Nov 2022 22:09

Instrument :

BNA_F

ClientSampleId :

TP-E

Tgt Ion:276 Resp: 152423

Ion Ratio Lower Upper

276 100

138 18.8 19.1 28.7

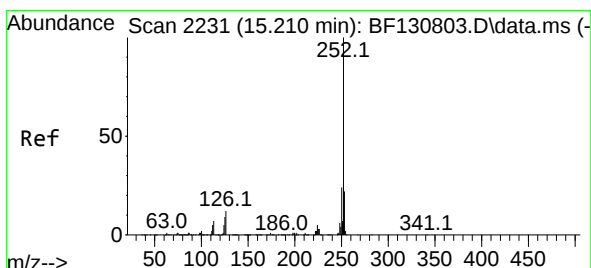
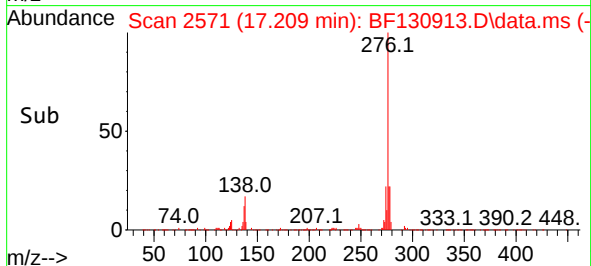
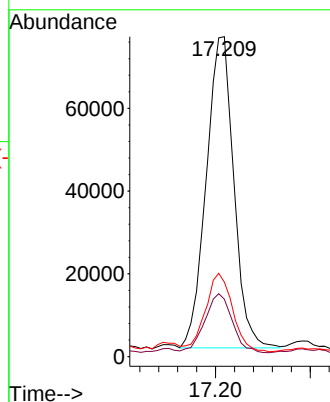
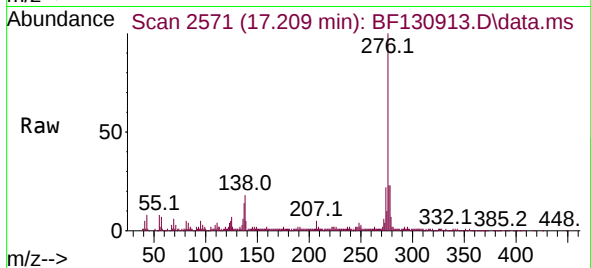
277 24.9 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/02/2022

Supervised By :Jagrut Upadhyay 11/02/2022



#88

Benzo(b)fluoranthene

Concen: 65.697 ng m

RT: 15.204 min Scan# 2230

Delta R.T. 0.012 min

Lab File: BF130913.D

Acq: 01 Nov 2022 22:09

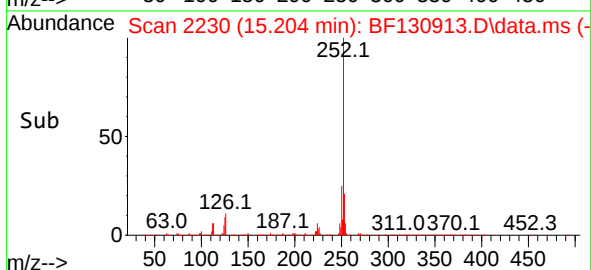
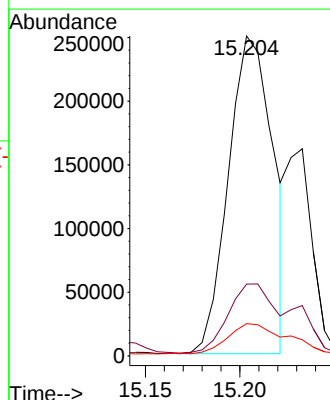
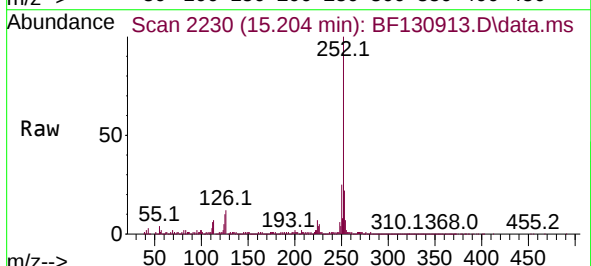
Tgt Ion:252 Resp: 409150

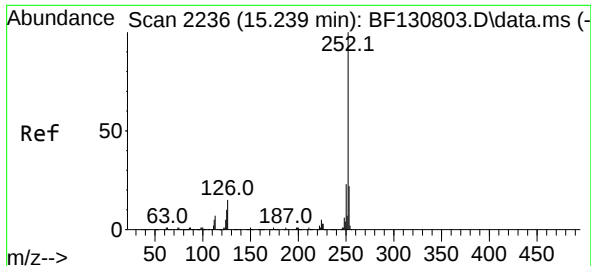
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

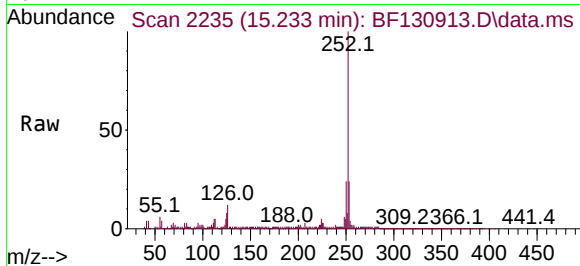
125 10.1 7.0 10.4





#89
Benzo(k)fluoranthene
Concen: 23.872 ng m
RT: 15.233 min Scan# 2236
Delta R.T. 0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

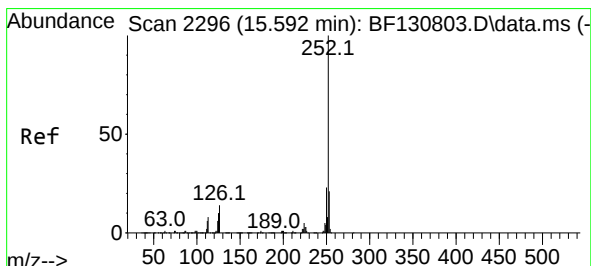
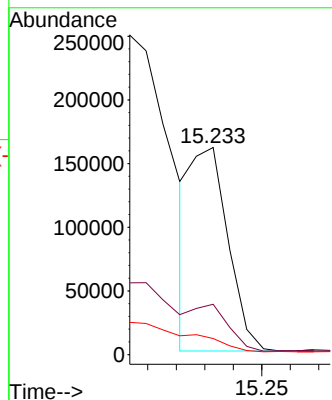
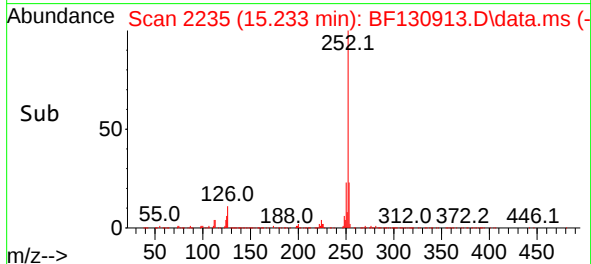
Instrument :
BNA_F
ClientSampleId :
TP-E



Tgt Ion:252 Resp: 144870
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 7.8 8.0 12.0

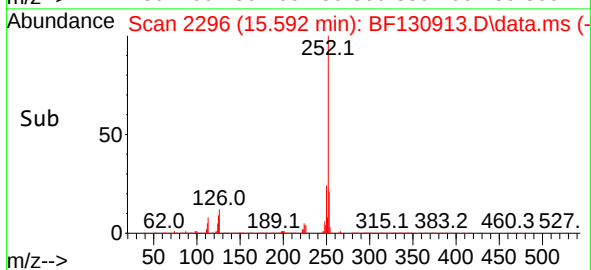
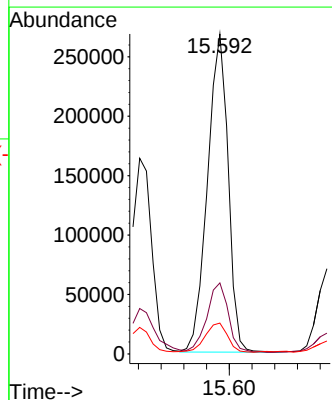
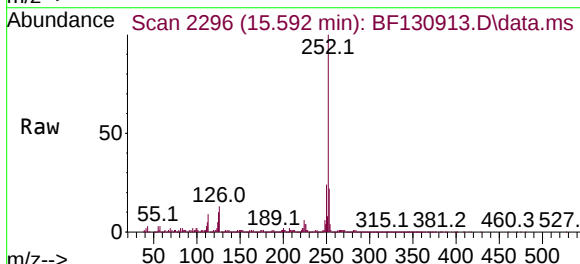
Manual Integrations
APPROVED

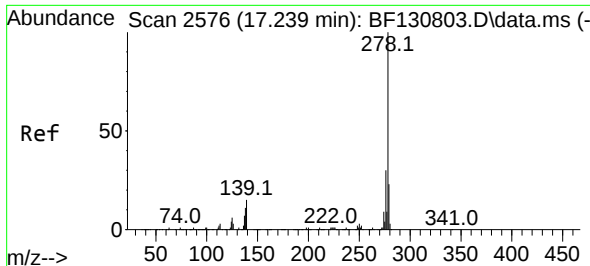
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#90
Benzo(a)pyrene
Concen: 67.574 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.012 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Tgt Ion:252 Resp: 338302
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 9.6 8.3 12.5





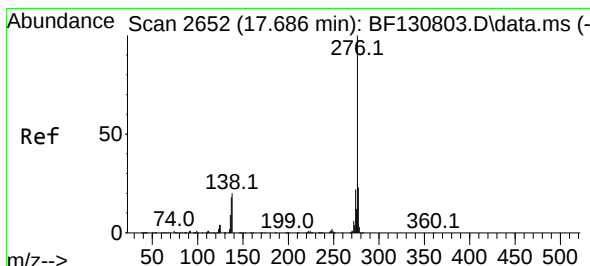
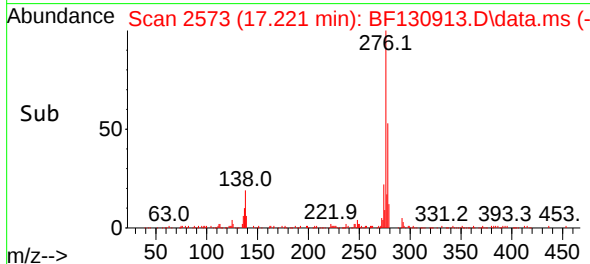
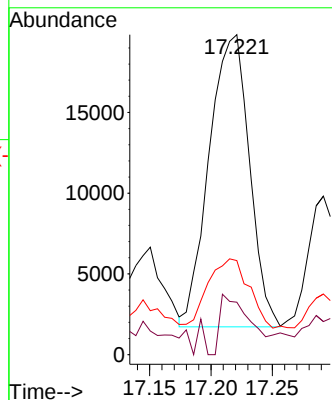
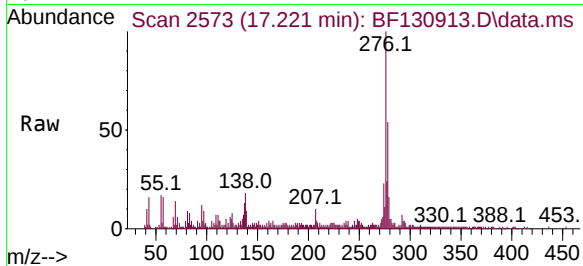
#91
Dibenzo(a,h)anthracene
Concen: 7.925 ng m
RT: 17.221 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Instrument :
BNA_F
ClientSampleId :
TP-E

Tgt Ion:278 Resp: 41335
Ion Ratio Lower Upper
278 100
139 16.4 11.9 17.9
279 29.4 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#92
Benzo(g,h,i)perylene
Concen: 27.769 ng
RT: 17.680 min Scan# 2651
Delta R.T. 0.012 min
Lab File: BF130913.D
Acq: 01 Nov 2022 22:09

Tgt Ion:276 Resp: 147756
Ion Ratio Lower Upper
276 100
277 26.4 18.8 28.2
138 19.1 16.3 24.5

