

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092122\
 Data File : BF130360.D
 Acq On : 21 Sep 2022 14:21
 Operator : CG\JU
 Sample : N4703-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-363

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/22/2022
 Supervised By : Jagrut Upadhyay 09/22/2022

Quant Time: Sep 21 16:01:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	116879	20.000	ng	0.00
21) Naphthalene-d8	7.940	136	458336	20.000	ng	# 0.00
39) Acenaphthene-d10	9.686	164	235627	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	364570	20.000	ng	0.00
76) Chrysene-d12	13.798	240	213305	20.000	ng	0.00
86) Perylene-d12	15.192	264	243954	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	653302	96.949	ng	0.00
7) Phenol-d6	6.298	99	808410	95.879	ng	0.00
23) Nitrobenzene-d5	7.222	82	520628	58.032	ng	-0.01
42) 2,4,6-Tribromophenol	10.475	330	217151	96.180	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	968165	59.833	ng	0.00
79) Terphenyl-d14	12.757	244	732696	56.900	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.192	178	66739	3.261	ng	96
75) Fluoranthene	12.375	202	156784	7.927	ng	97
78) Pyrene	12.604	202	132208	7.085	ng	98
81) Benzo(a)anthracene	13.786	228	71143	5.014	ng	96
83) Chrysene	13.822	228	67408	5.003	ng	97
84) Bis(2-ethylhexyl)phtha...	13.792	149	73065	9.228	ng	99
85) Di-n-octyl phthalate	14.398	149	38307	3.163	ng	# 62
87) Indeno(1,2,3-cd)pyrene	16.510	276	53237	3.077	ng	# 95
88) Benzo(b)fluoranthene	14.798	252	114128m	7.168	ng	
89) Benzo(k)fluoranthene	14.821	252	38689m	2.470	ng	
90) Benzo(a)pyrene	15.133	252	70854	5.617	ng	99
92) Benzo(g,h,i)perylene	16.904	276	46372	3.244	ng	96

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

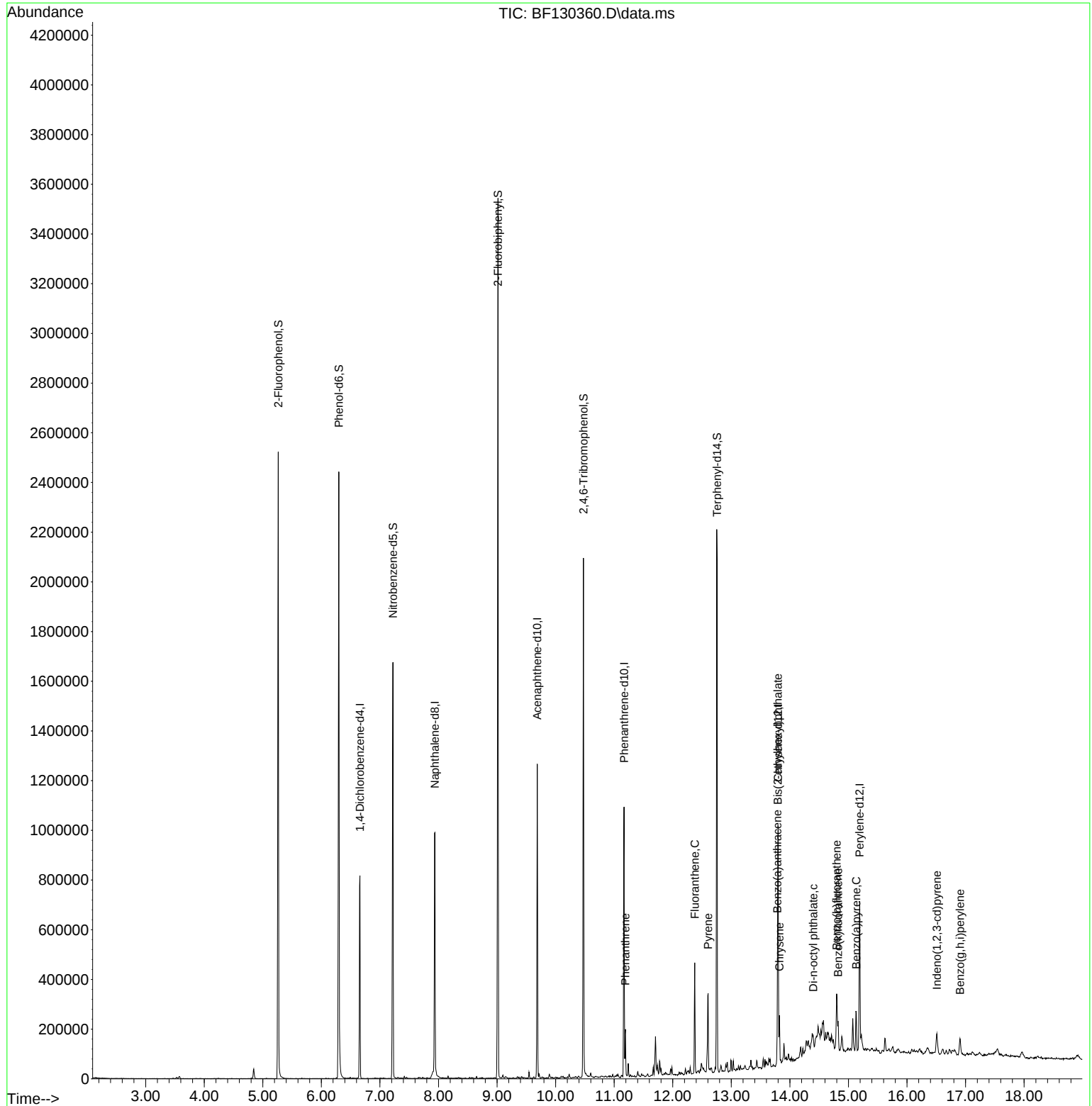
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092122\
Data File : BF130360.D
Acq On : 21 Sep 2022 14:21
Operator : CG\JU
Sample : N4703-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

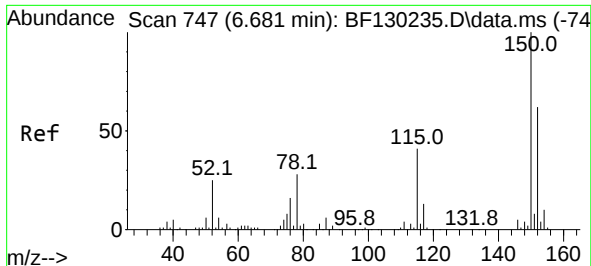
Instrument :
BNA_F
ClientSampleId :
ETGI-363

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 09/22/2022
Supervised By : Jagrut Upadhyay 09/22/2022

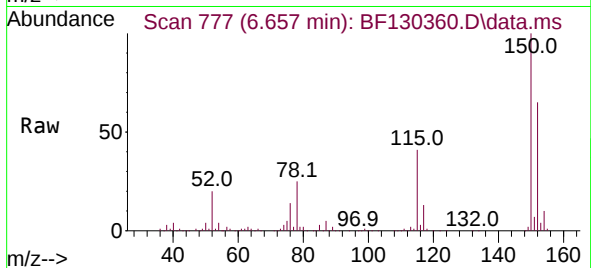
Quant Time: Sep 21 16:01:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 19 15:06:14 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

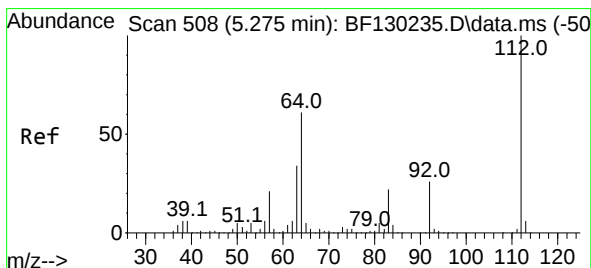
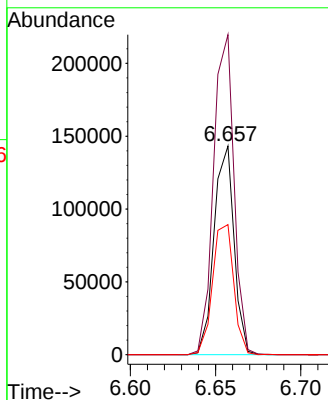
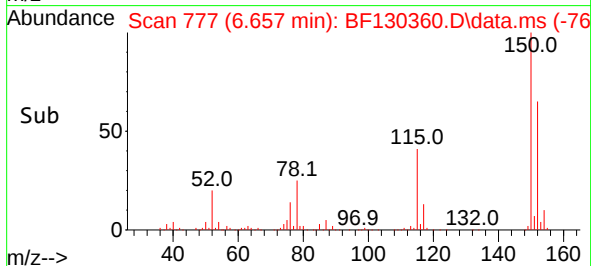
Instrument :
BNA_F
ClientSampleId :
ETGI-363



Tgt Ion:152 Resp: 116879
Ion Ratio Lower Upper
152 100
150 153.4 122.8 184.2
115 62.3 53.8 80.8

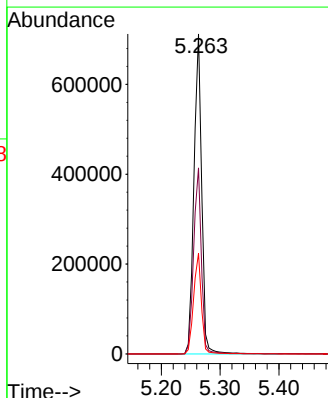
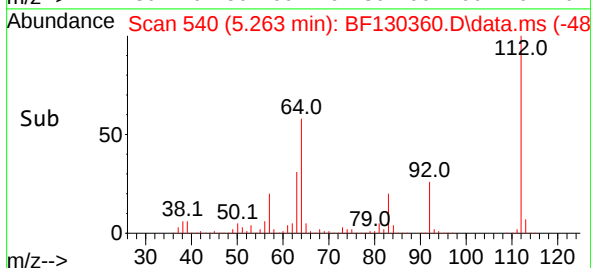
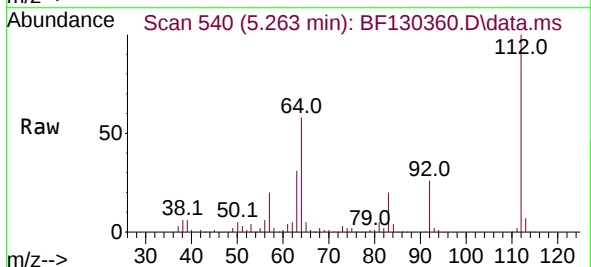
Manual Integrations
APPROVED

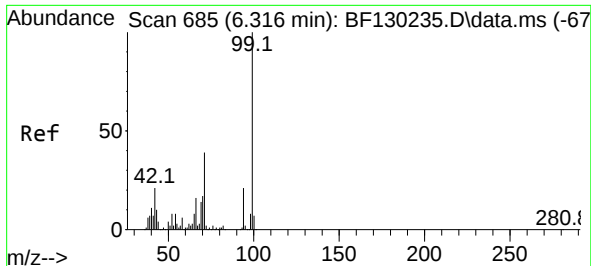
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#5
2-Fluorophenol
Concen: 96.949 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

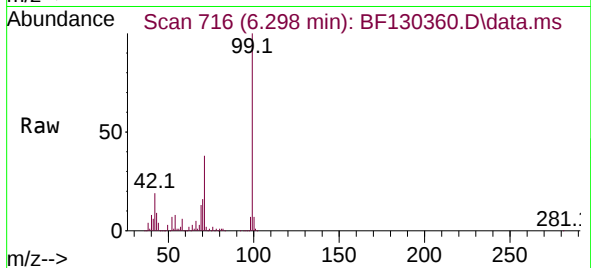
Tgt Ion:112 Resp: 653302
Ion Ratio Lower Upper
112 100
64 58.1 51.4 77.0
63 31.4 28.8 43.2





#7
Phenol-d6
Concen: 95.879 ng
RT: 6.298 min Scan# 716
Delta R.T. 0.000 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

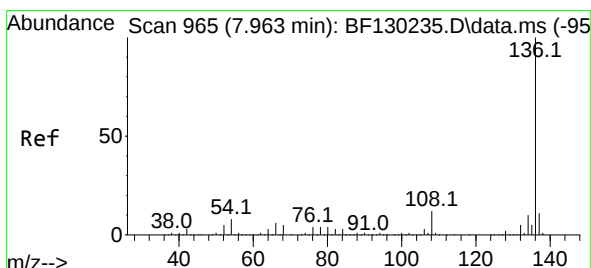
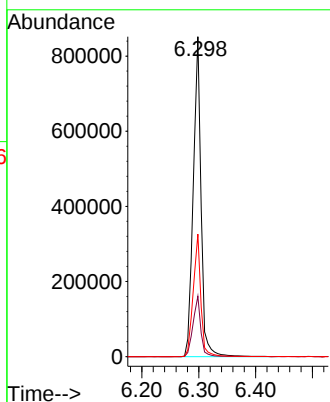
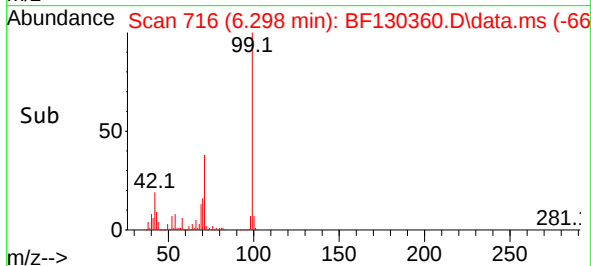
Instrument :
BNA_F
ClientSampleId :
ETGI-363



Tgt Ion: 99 Resp: 808410
Ion Ratio Lower Upper
99 100
42 18.9 17.0 25.6
71 38.3 32.3 48.5

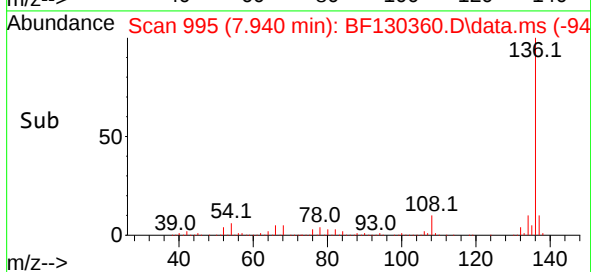
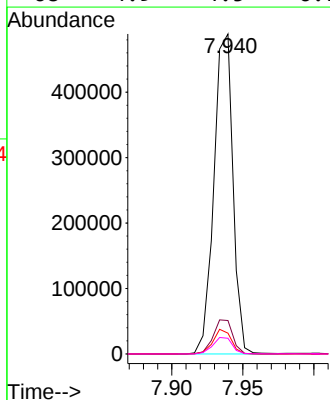
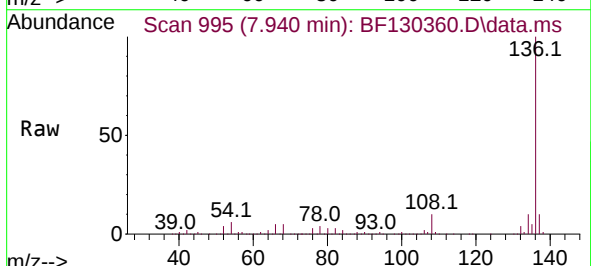
Manual Integrations
APPROVED

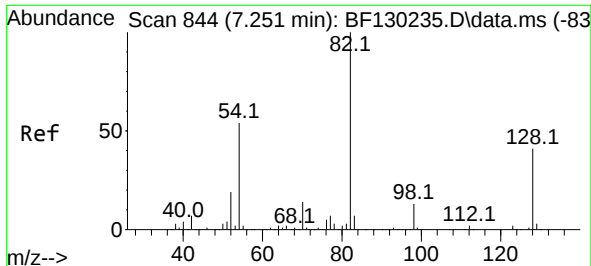
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.940 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

Tgt Ion:136 Resp: 458336
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 6.5 7.1 10.7#
68 4.9 4.5 6.7





#23

Nitrobenzene-d5

Concen: 58.032 ng

RT: 7.222 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130360.D

Acq: 21 Sep 2022 14:21

Instrument :

BNA_F

ClientSampleId :

ETGI-363

Tgt Ion: 82 Resp: 520628

Ion Ratio Lower Upper

82 100

128 44.2 32.6 49.0

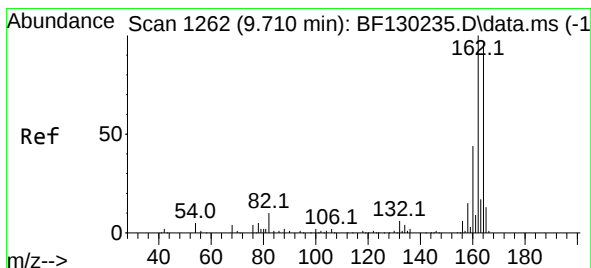
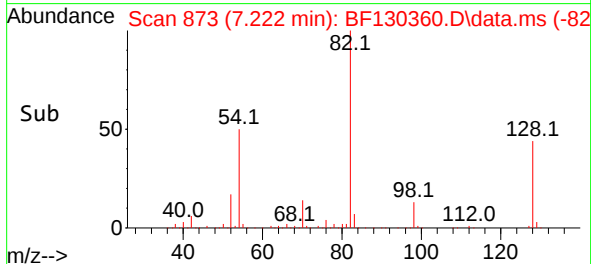
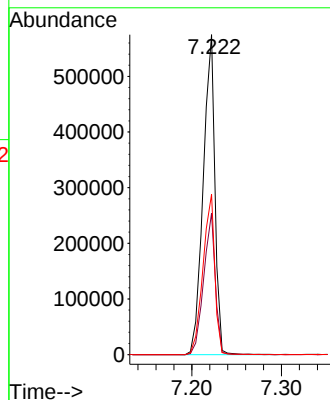
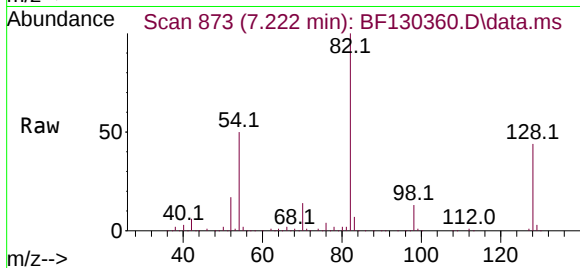
54 50.1 43.8 65.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/22/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF130360.D

Acq: 21 Sep 2022 14:21

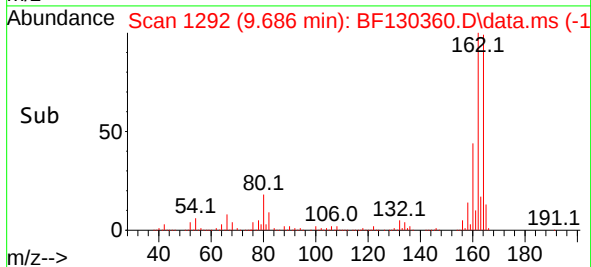
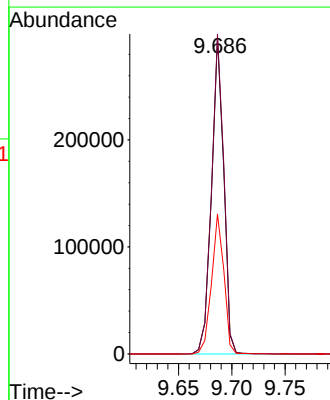
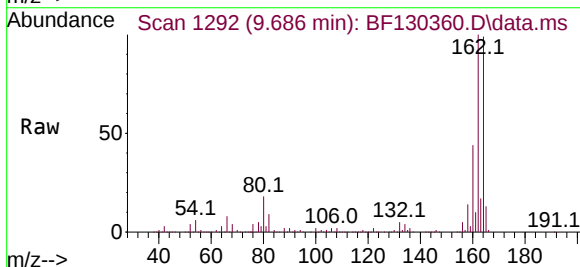
Tgt Ion:164 Resp: 235627

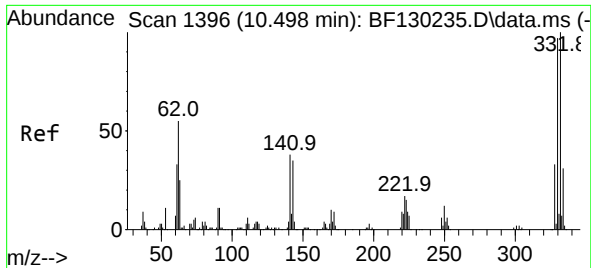
Ion Ratio Lower Upper

164 100

162 101.0 81.4 122.0

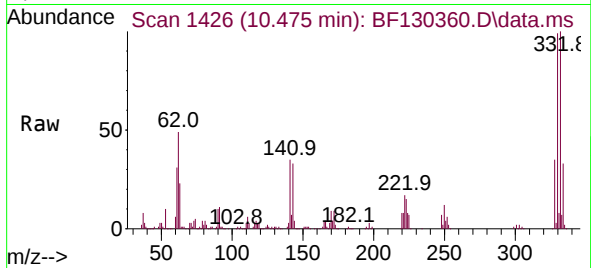
160 44.2 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 96.180 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

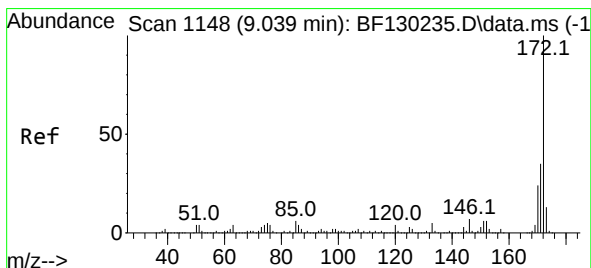
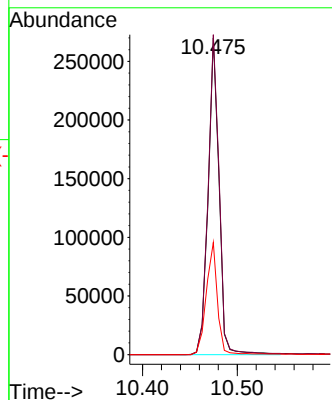
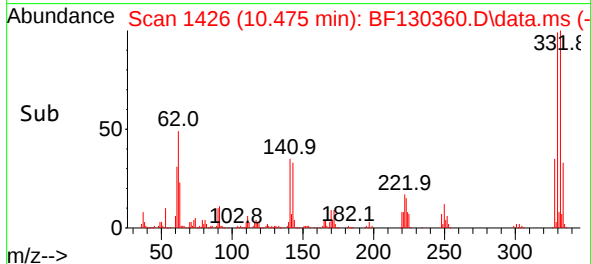
Instrument :
BNA_F
ClientSampleId :
ETGI-363



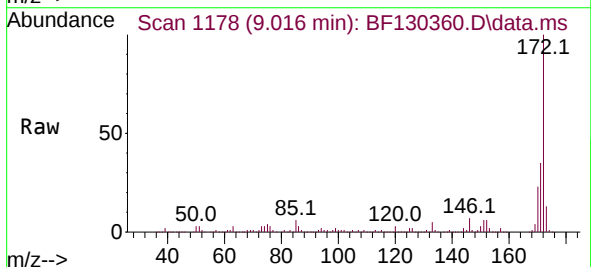
Tgt Ion: 330 Resp: 21715
Ion Ratio Lower Upper
330 100
332 102.5 83.4 125.2
141 36.6 34.0 51.0

Manual Integrations
APPROVED

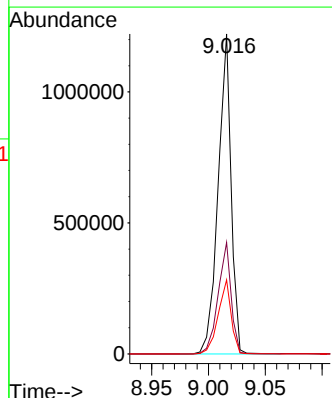
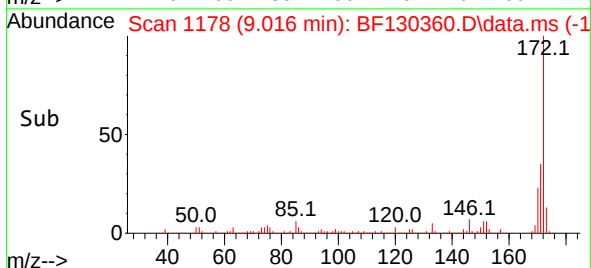
Reviewed By : Christian Giraldo 09/22/2022
Supervised By : Jagrut Upadhyay 09/22/2022

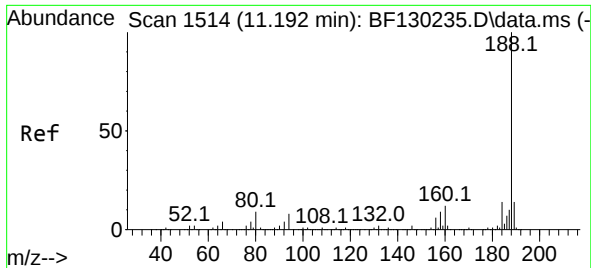


#45
2-Fluorobiphenyl
Concen: 59.833 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21



Tgt Ion: 172 Resp: 968165
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.2 18.7 28.1





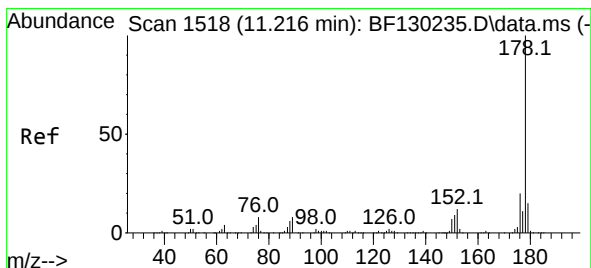
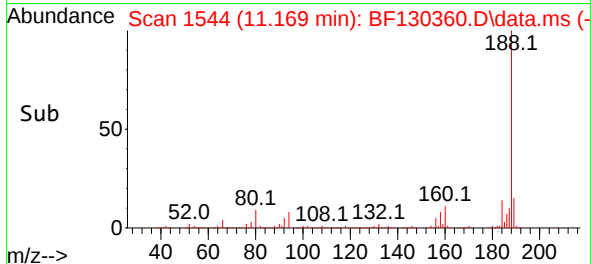
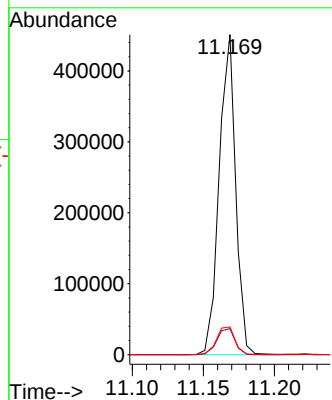
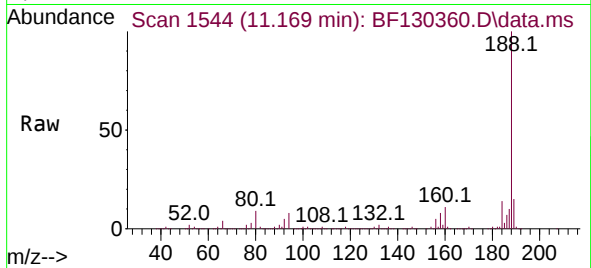
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

Instrument :
BNA_F
ClientSampleId :
ETGI-363

Tgt Ion:188 Resp: 364570
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 8.7 7.9 11.9

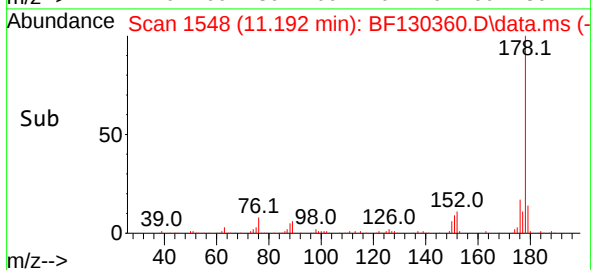
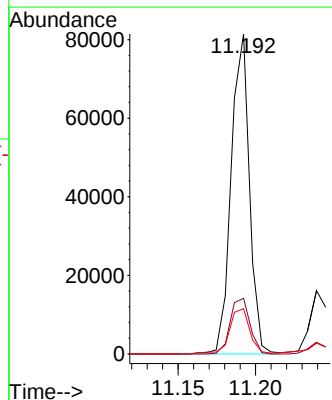
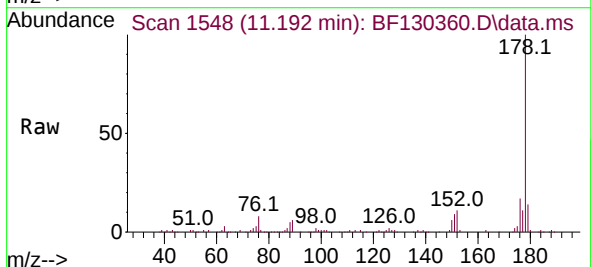
Manual Integrations
APPROVED

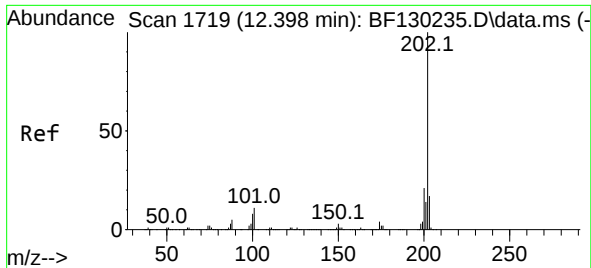
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#71
Phenanthrene
Concen: 3.261 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

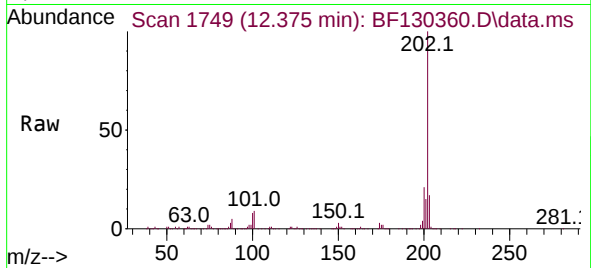
Tgt Ion:178 Resp: 66739
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.0
179 14.1 12.4 18.6





#75
Fluoranthene
Concen: 7.927 ng
RT: 12.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

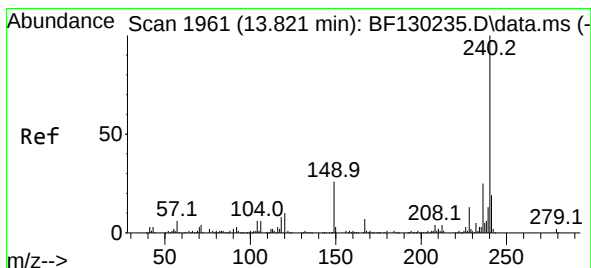
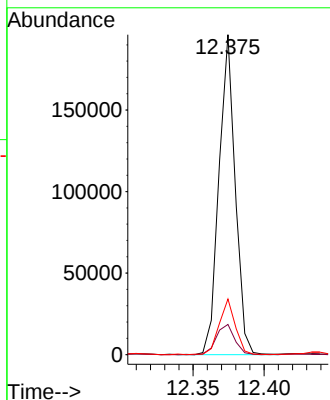
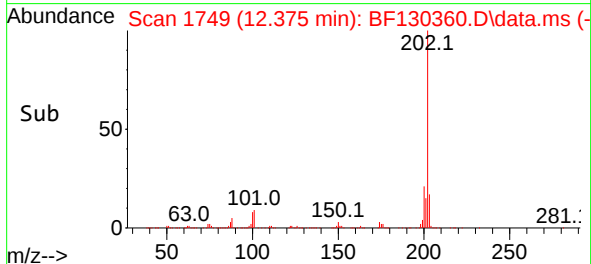
Instrument :
BNA_F
ClientSampleId :
ETGI-363



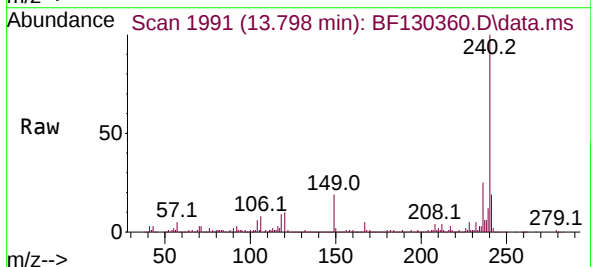
Tgt Ion:202 Resp: 156784
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.8
203 17.4 0.0 37.8

Manual Integrations
APPROVED

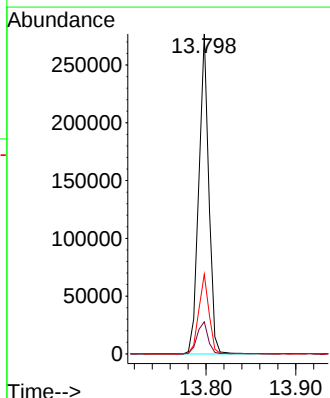
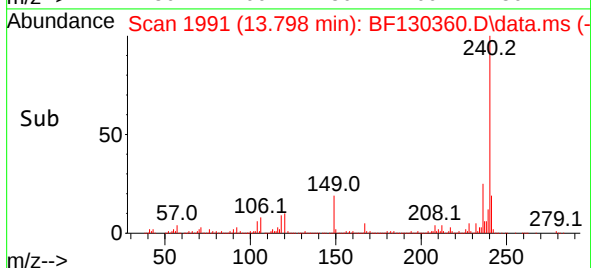
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022

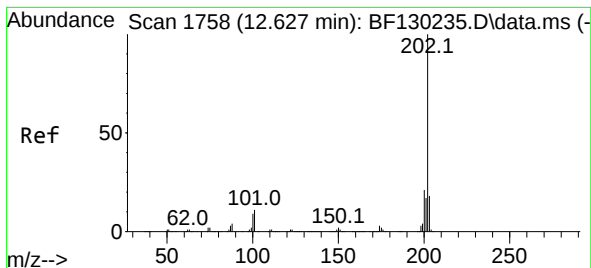


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21



Tgt Ion:240 Resp: 213305
Ion Ratio Lower Upper
240 100
120 10.0 8.7 13.1
236 24.9 20.9 31.3





#78

Pyrene

Concen: 7.085 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130360.D

Acq: 21 Sep 2022 14:21

Instrument :

BNA_F

ClientSampleId :

ETGI-363

Tgt Ion:202 Resp: 132208

Ion Ratio Lower Upper

202 100

200 20.0 17.2 25.8

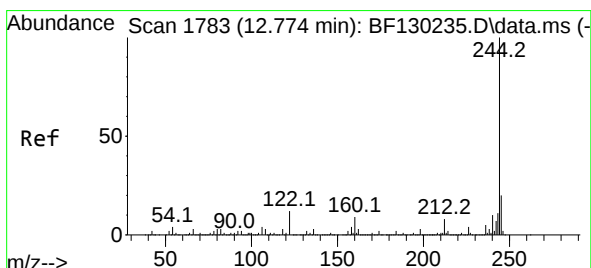
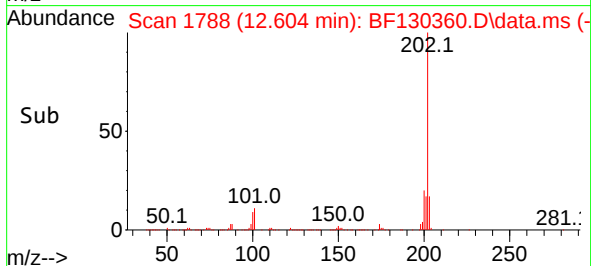
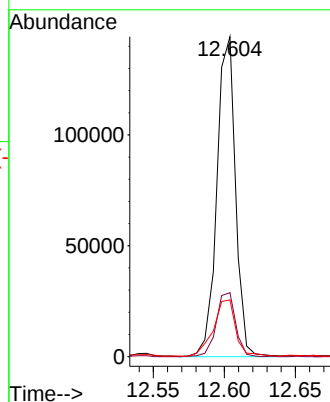
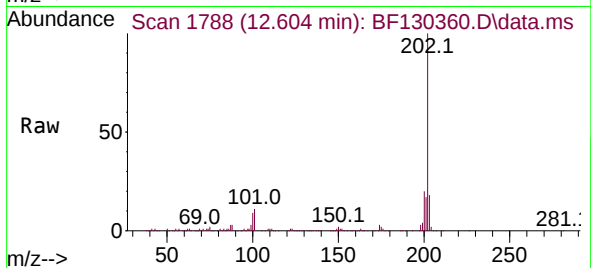
203 17.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/22/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#79

Terphenyl-d14

Concen: 56.900 ng

RT: 12.757 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF130360.D

Acq: 21 Sep 2022 14:21

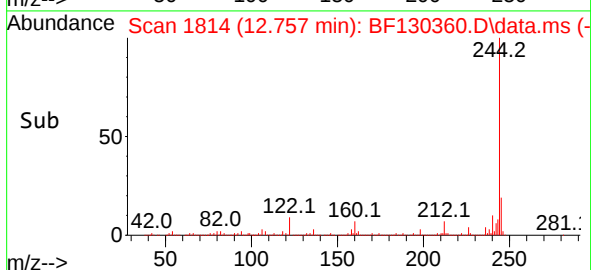
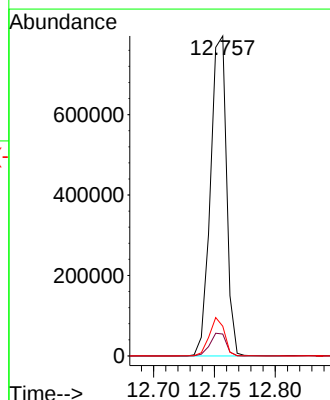
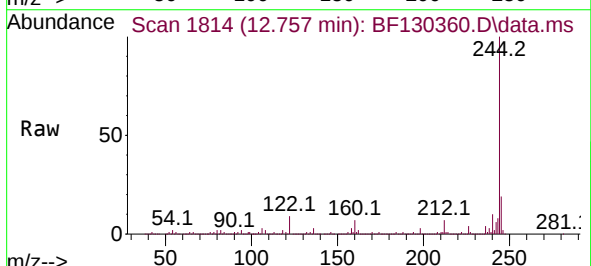
Tgt Ion:244 Resp: 732696

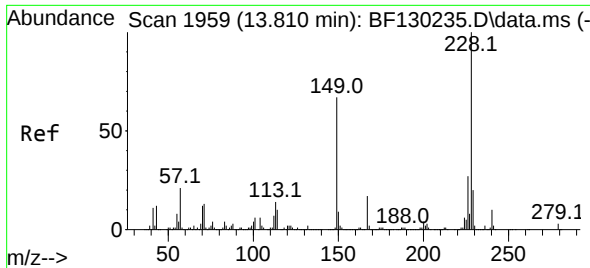
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

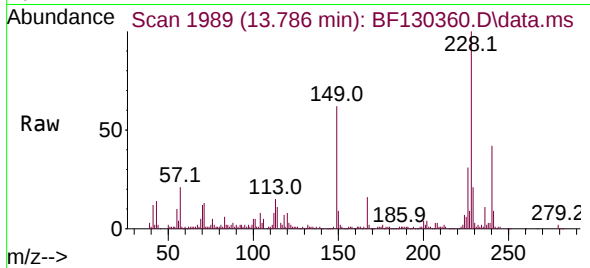
122 9.3 8.5 12.7





#81
Benzo(a)anthracene
Concen: 5.014 ng
RT: 13.786 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

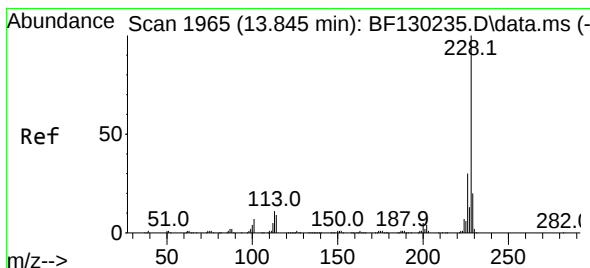
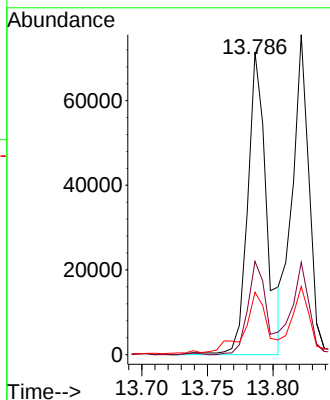
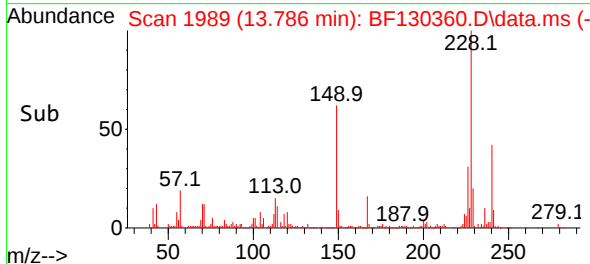
Instrument :
BNA_F
ClientSampleId :
ETGI-363



Tgt Ion:228 Resp: 71143
Ion Ratio Lower Upper
228 100
226 30.8 21.9 32.9
229 20.6 16.1 24.1

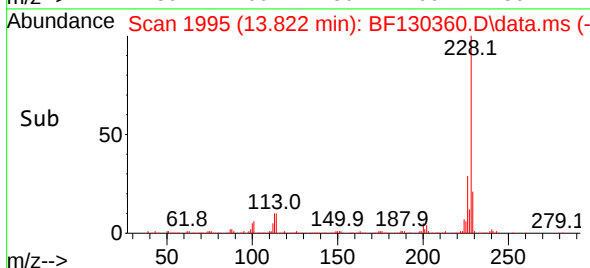
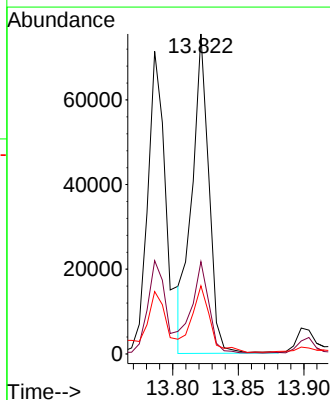
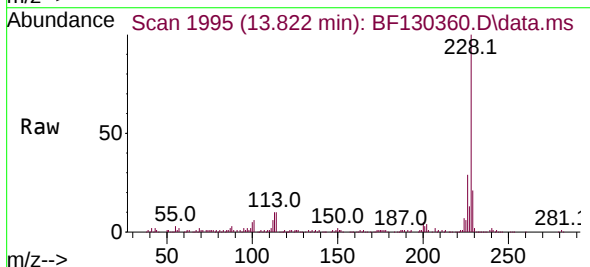
Manual Integrations
APPROVED

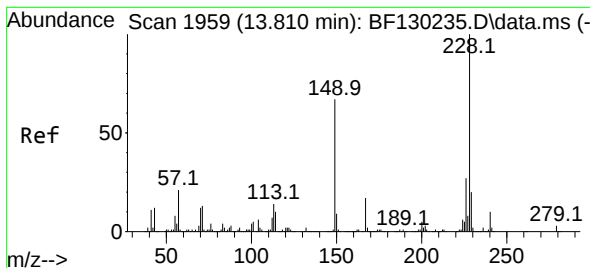
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#83
Chrysene
Concen: 5.003 ng
RT: 13.822 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

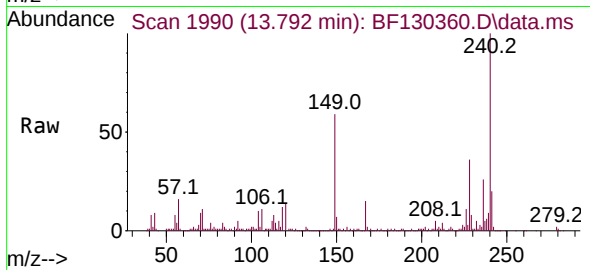
Tgt Ion:228 Resp: 67408
Ion Ratio Lower Upper
228 100
226 28.8 23.8 35.8
229 21.3 15.3 22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 9.228 ng
RT: 13.792 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

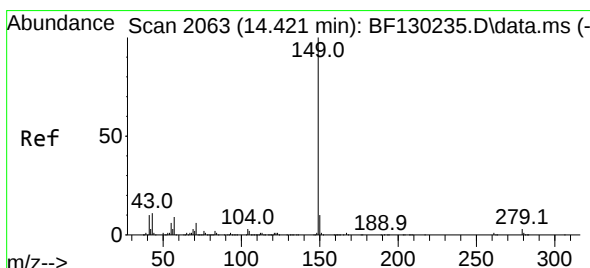
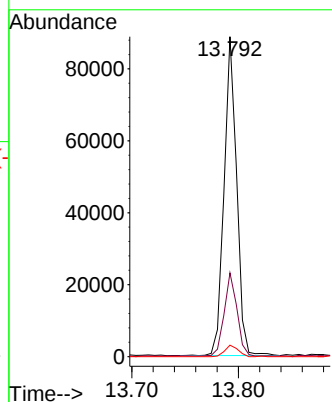
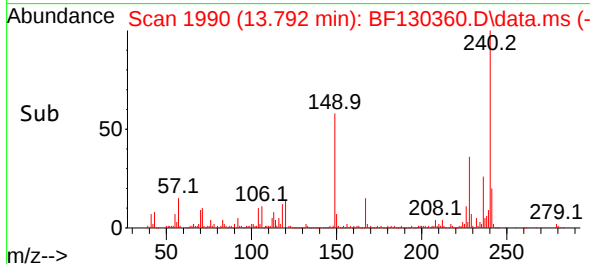
Instrument :
BNA_F
ClientSampleId :
ETGI-363



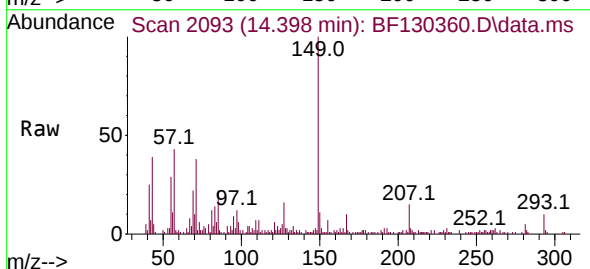
Tgt Ion:149 Resp: 73065
Ion Ratio Lower Upper
149 100
167 26.2 20.5 30.7
279 3.6 2.9 4.3

Manual Integrations
APPROVED

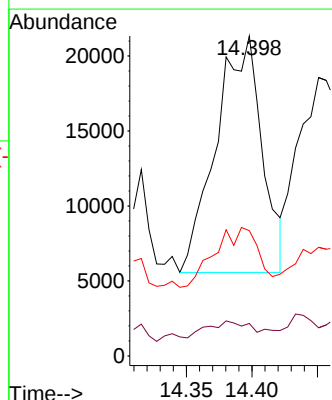
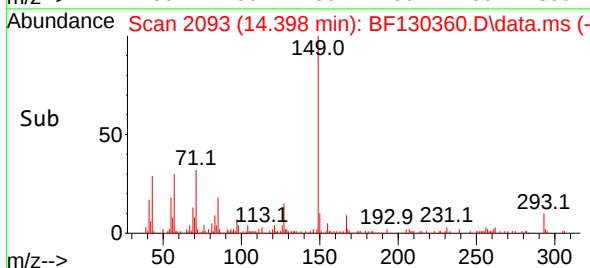
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022

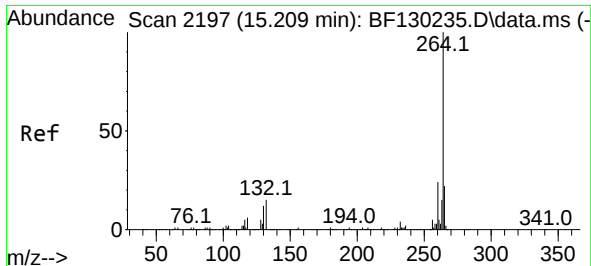


#85
Di-n-octyl phthalate
Concen: 3.163 ng
RT: 14.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21



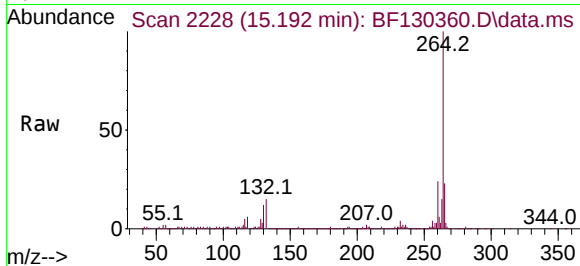
Tgt Ion:149 Resp: 38307
Ion Ratio Lower Upper
149 100
167 12.7 1.2 1.8#
43 25.8 8.7 13.1#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.192 min Scan# 2197
 Delta R.T. 0.006 min
 Lab File: BF130360.D
 Acq: 21 Sep 2022 14:21

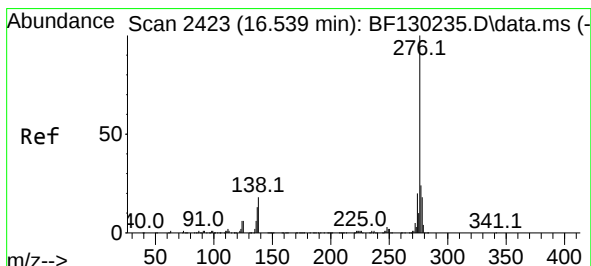
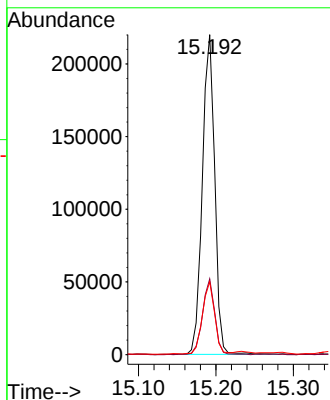
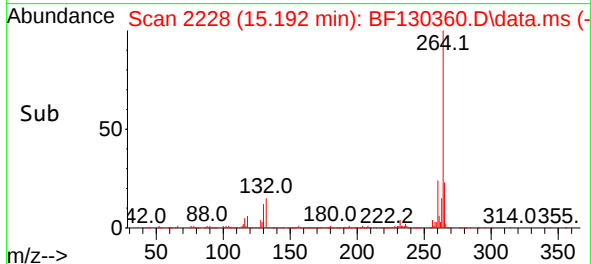
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-363



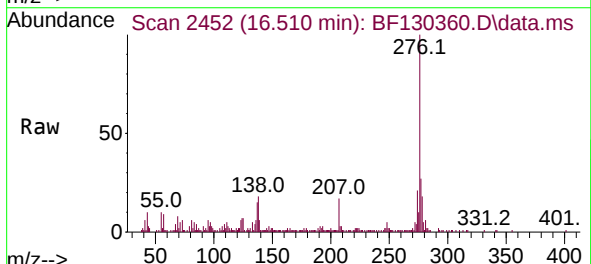
Tgt Ion:264 Resp: 243954
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.3 28.9
 265 22.8 17.0 25.4

Manual Integrations
 APPROVED

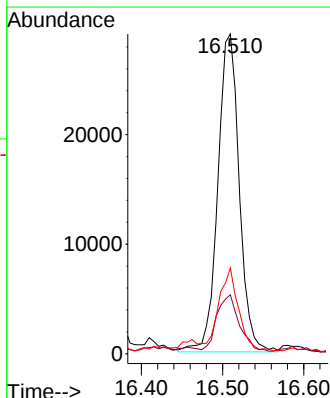
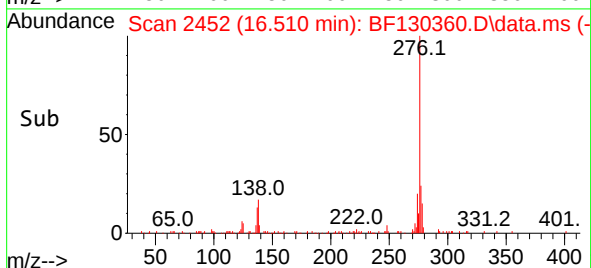
Reviewed By :Christian Giraldo 09/22/2022
 Supervised By :Jagrut Upadhyay 09/22/2022

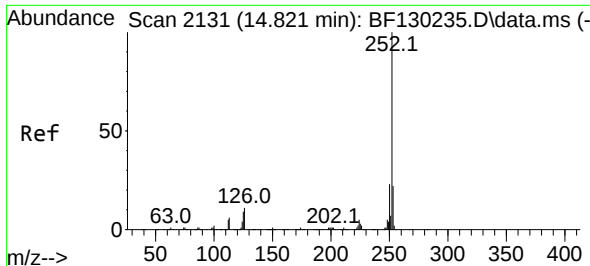


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.077 ng
 RT: 16.510 min Scan# 2452
 Delta R.T. 0.000 min
 Lab File: BF130360.D
 Acq: 21 Sep 2022 14:21



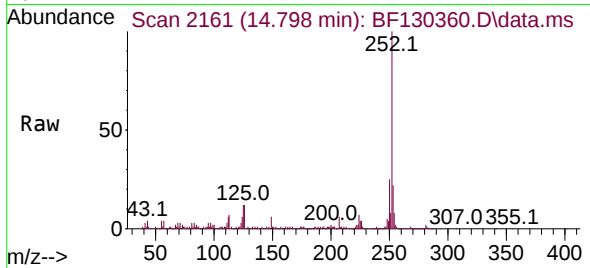
Tgt Ion:276 Resp: 53237
 Ion Ratio Lower Upper
 276 100
 138 18.3 18.5 27.7#
 277 26.0 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 7.168 ng m
RT: 14.798 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

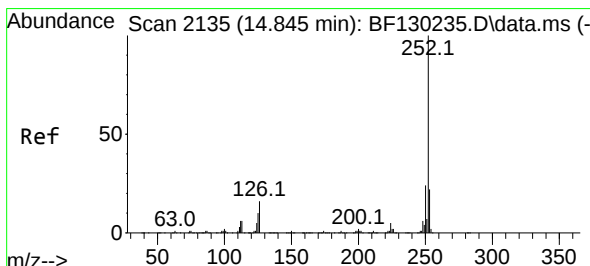
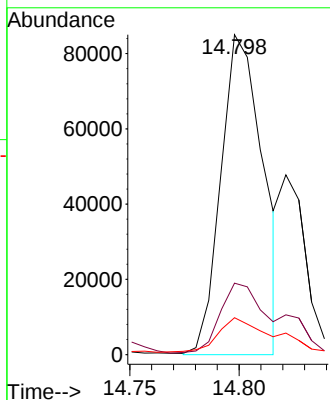
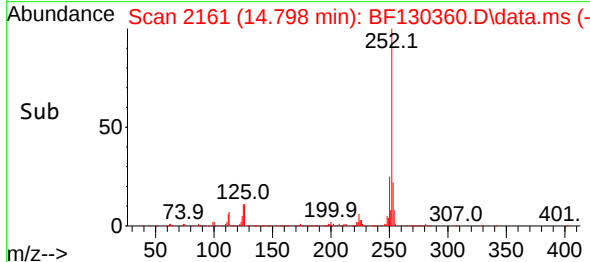
Instrument :
BNA_F
ClientSampleId :
ETGI-363



Tgt Ion:252 Resp: 114128
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 11.5 8.1 12.1

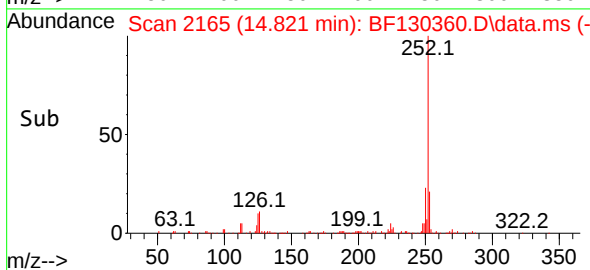
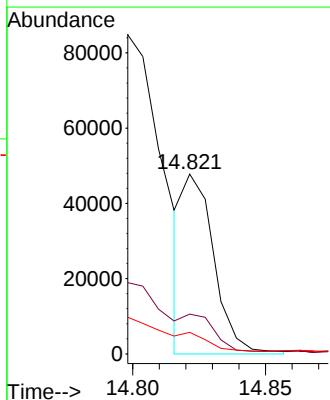
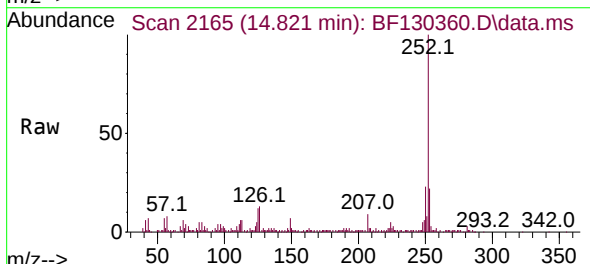
Manual Integrations
APPROVED

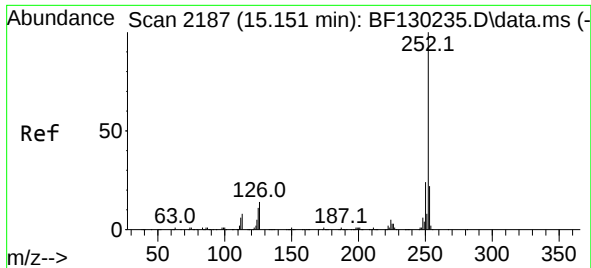
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#89
Benzo(k)fluoranthene
Concen: 2.470 ng m
RT: 14.821 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

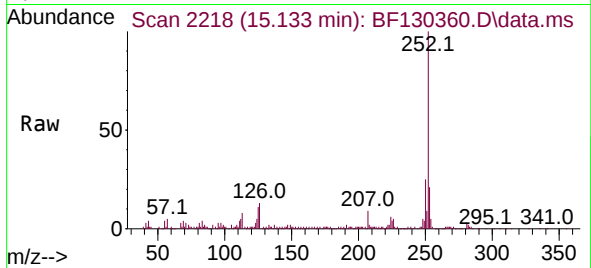
Tgt Ion:252 Resp: 38689
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 11.9 7.9 11.9#





#90
Benzo(a)pyrene
Concen: 5.617 ng
RT: 15.133 min Scan# 2187
Delta R.T. 0.000 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

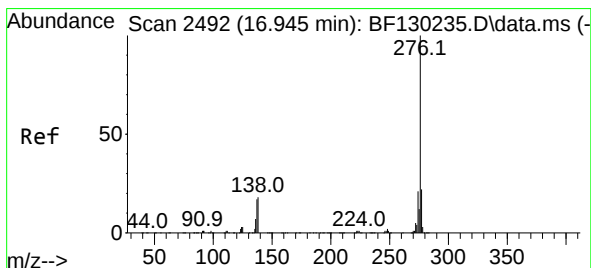
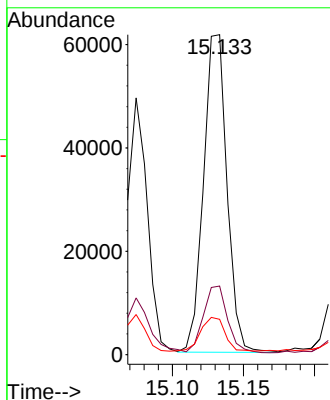
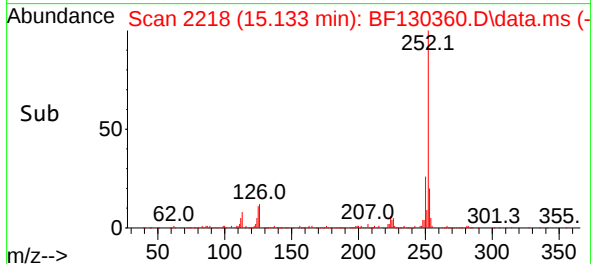
Instrument :
BNA_F
ClientSampleId :
ETGI-363



Tgt Ion:252 Resp: 70854
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.6
125 11.0 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#92
Benzo(g,h,i)perylene
Concen: 3.244 ng
RT: 16.904 min Scan# 2519
Delta R.T. -0.006 min
Lab File: BF130360.D
Acq: 21 Sep 2022 14:21

Tgt Ion:276 Resp: 46372
Ion Ratio Lower Upper
276 100
277 24.3 18.6 27.8
138 20.7 14.6 21.8

