

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136701.D
 Acq On : 22 Dec 2023 23:29
 Operator : CG\JU
 Sample : 05969-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-345

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

Quant Time: Dec 23 01:57:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.780	152	70019	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	239535	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	100297	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	152099	20.000	ng	-0.01
76) Chrysene-d12	13.956	240	141243	20.000	ng	-0.01
86) Perylene-d12	15.439	264	112366	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	316285	70.480	ng	0.00
7) Phenol-d6	6.428	99	401514	69.050	ng	-0.01
23) Nitrobenzene-d5	7.339	82	230123	49.160	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	90444	76.568	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	467958	62.753	ng	-0.02
79) Terphenyl-d14	12.904	244	433924	42.933	ng	-0.01
Target Compounds						Qvalue
70) Pentachlorophenol	11.115	266	1975	2.251	ng	# 77
71) Phenanthrene	11.327	178	43306	5.549	ng	99
75) Fluoranthene	12.521	202	63885	7.653	ng	98
78) Pyrene	12.751	202	59091	4.262	ng	98
81) Benzo(a)anthracene	13.951	228	28283	2.884	ng	# 90
83) Chrysene	13.986	228	35155	3.665	ng	96
88) Benzo(b)fluoranthene	15.003	252	46279m	6.166	ng	
90) Benzo(a)pyrene	15.374	252	18921	2.987	ng	# 92
92) Benzo(g,h,i)perylene	17.380	276	15857	2.326	ng	# 92

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

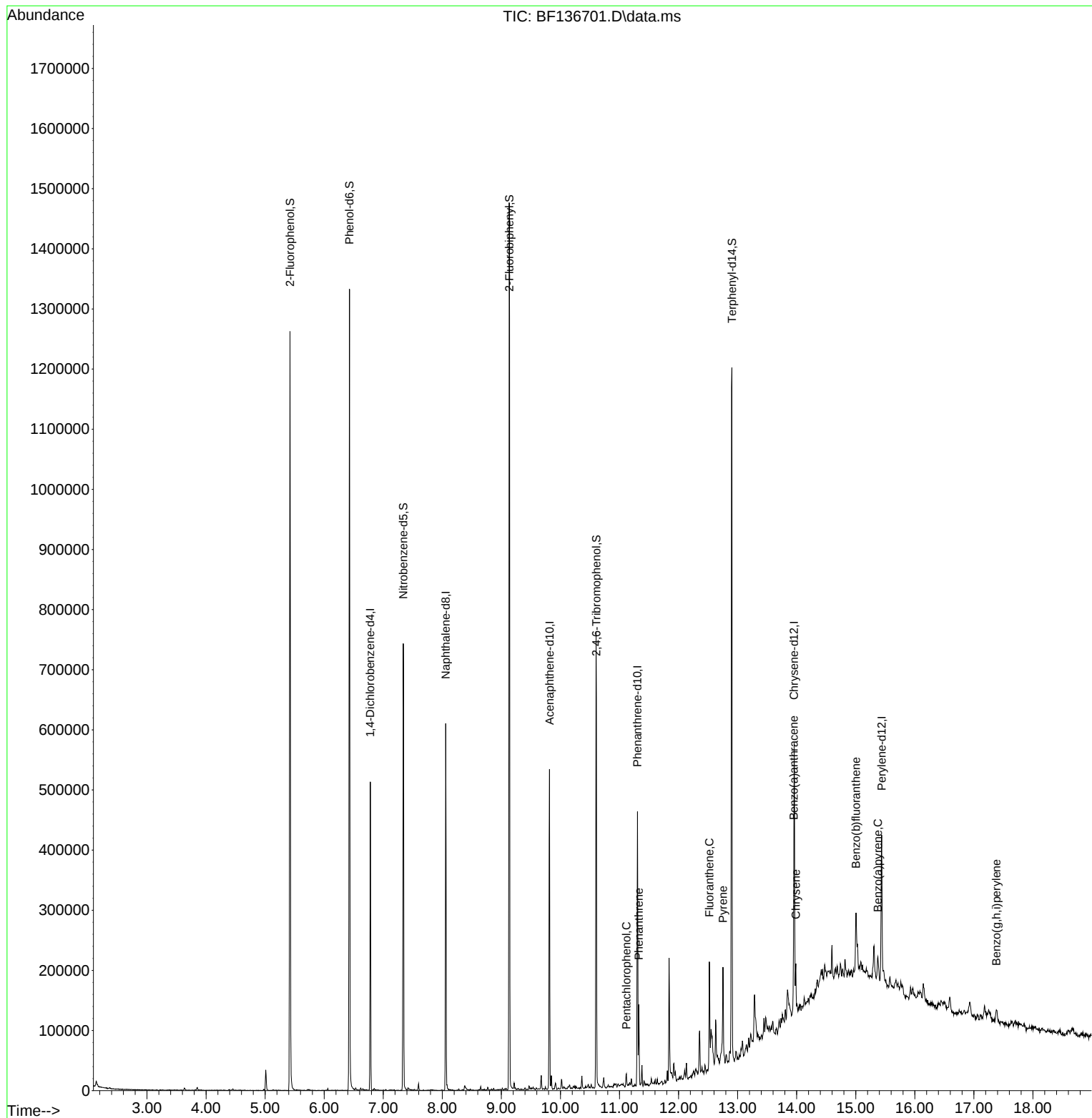
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136701.D
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ALS Vial : 15 Sample Multiplier: 1

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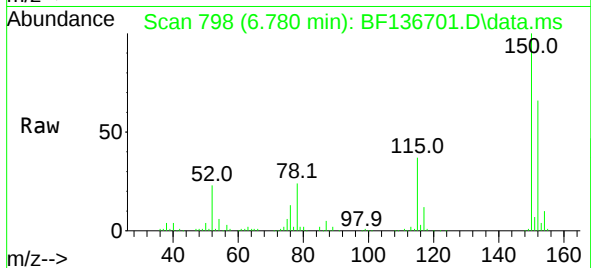
Quant Time: Dec 23 01:57:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.780 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

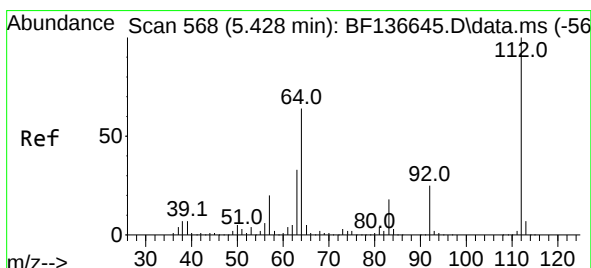
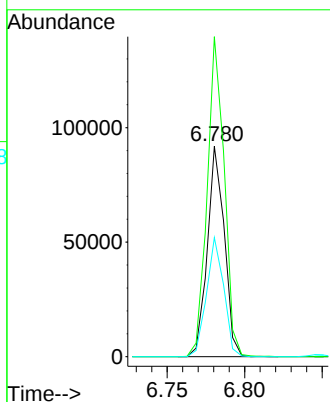
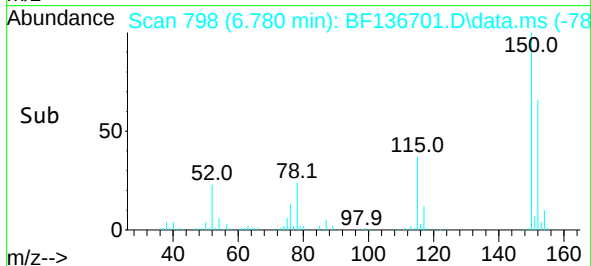
Instrument :
BNA_F
ClientSampleId :
ETGI-345



Tgt Ion:152 Resp: 70019
Ion Ratio Lower Upper
152 100
150 152.1 127.0 190.6
115 56.6 49.0 73.4

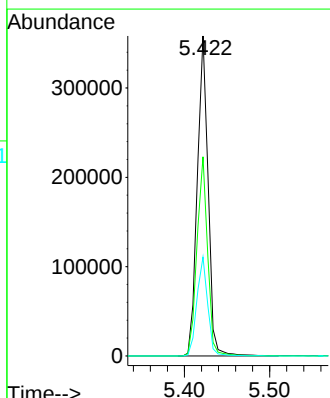
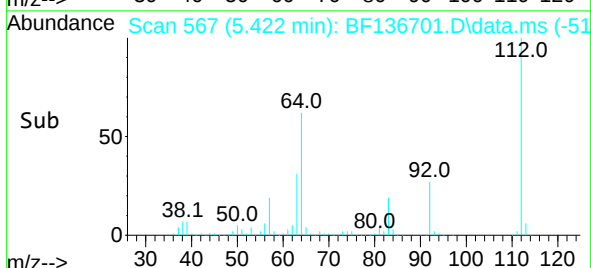
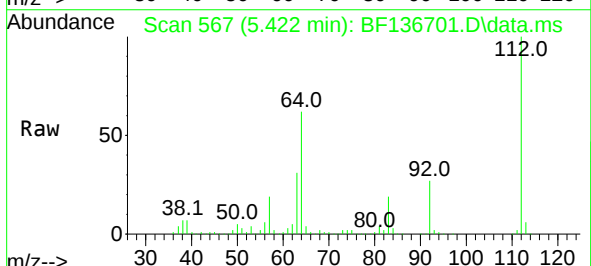
Manual Integrations
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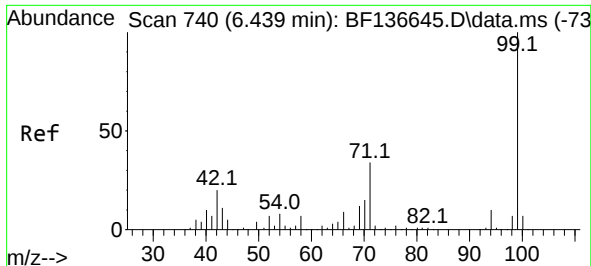
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#5
2-Fluorophenol
Concen: 70.480 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

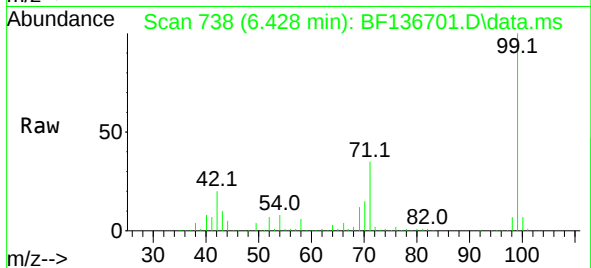
Tgt Ion:112 Resp: 316285
Ion Ratio Lower Upper
112 100
64 62.3 51.1 76.7
63 30.9 26.1 39.1





#7
Phenol-d6
Concen: 69.050 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

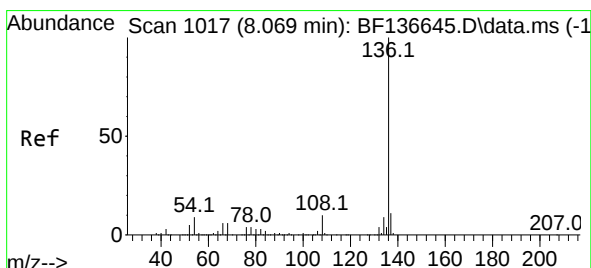
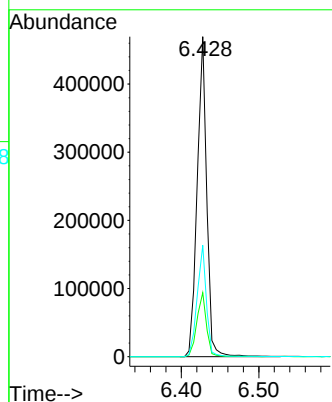
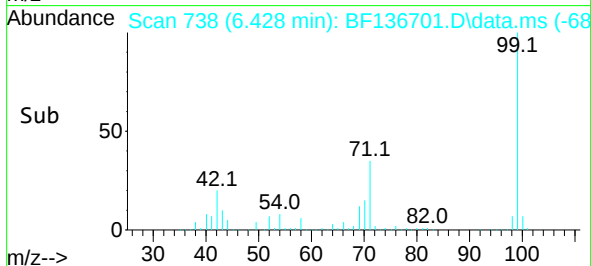
Instrument :
BNA_F
ClientSampleId :
ETGI-345



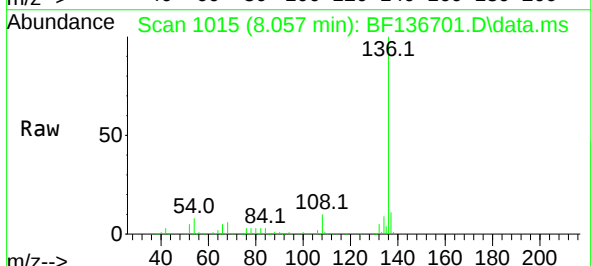
Tgt Ion: 99 Resp: 401514
Ion Ratio Lower Upper
99 100
42 20.0 16.1 24.1
71 34.8 27.4 41.2

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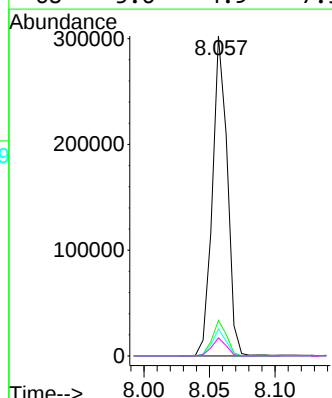
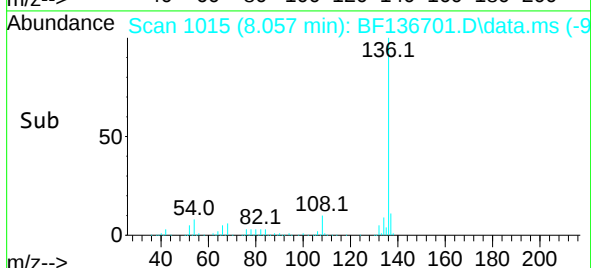
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

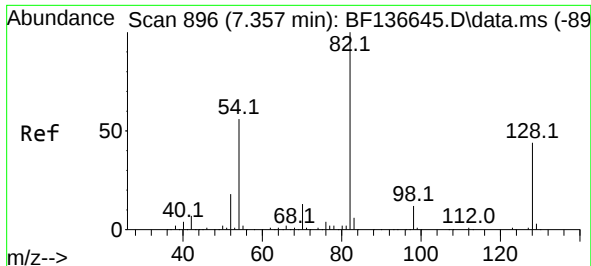


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29



Tgt Ion:136 Resp: 239535
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.4 7.2 10.8
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 49.160 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

ETGI-345

Tgt Ion: 82 Resp: 23012

Ion Ratio Lower Upper

82 100

128 43.1 35.3 52.9

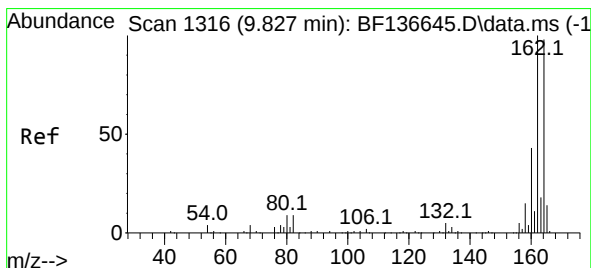
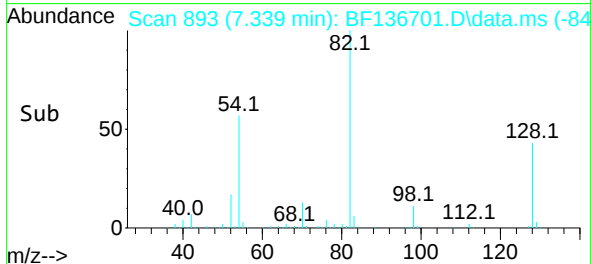
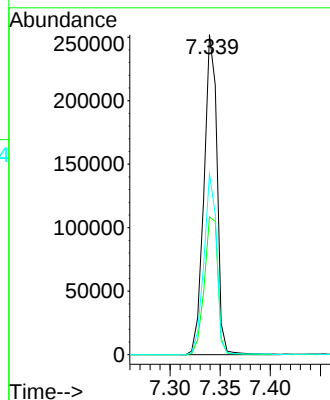
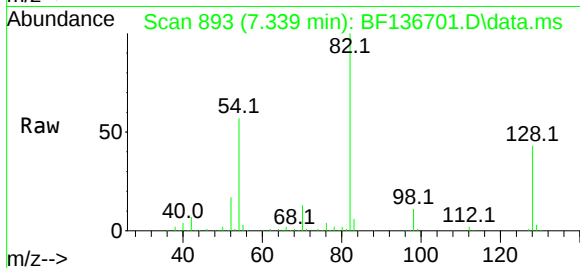
54 56.5 44.5 66.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

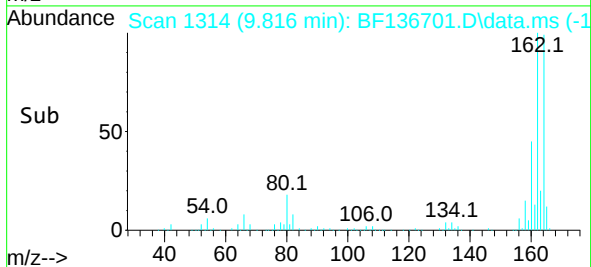
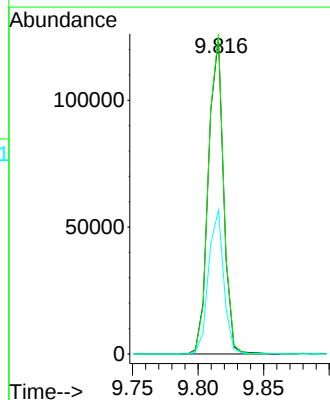
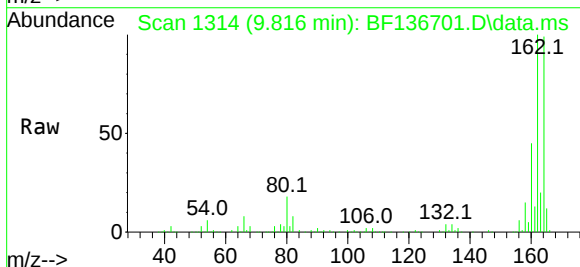
Tgt Ion:164 Resp: 100297

Ion Ratio Lower Upper

164 100

162 101.0 81.6 122.4

160 45.4 34.9 52.3





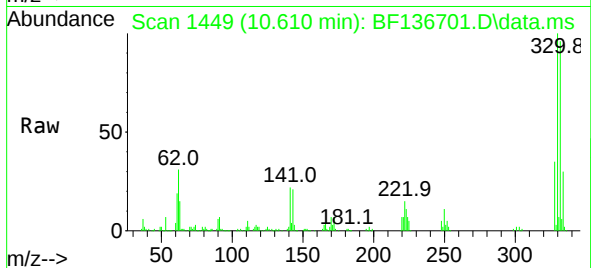
#42
2,4,6-Tribromophenol
Concen: 76.568 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

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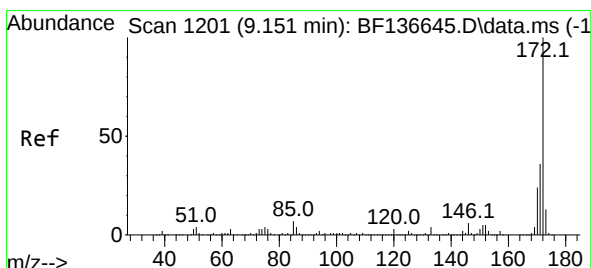
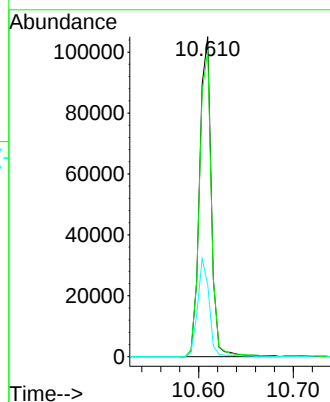
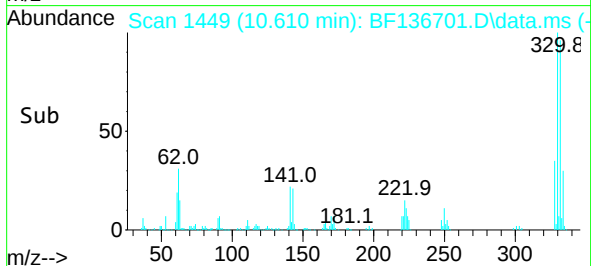
Tgt Ion:330 Resp: 90444
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.0
141 30.3 23.4 35.2

Manual Integrations

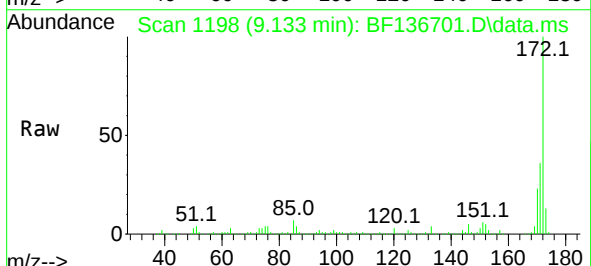
APPROVED

Reviewed By :Yogesh Patel 12/25/2023

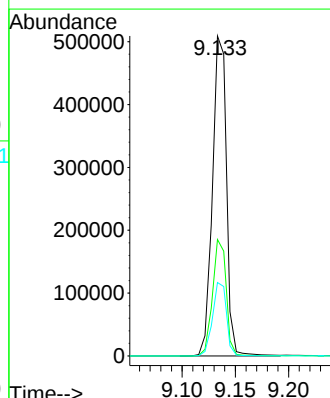
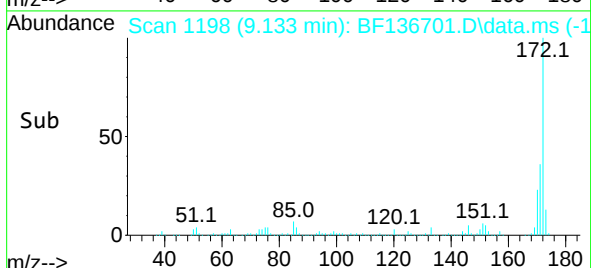
Supervised By :mohammad ahmed 12/25/2023

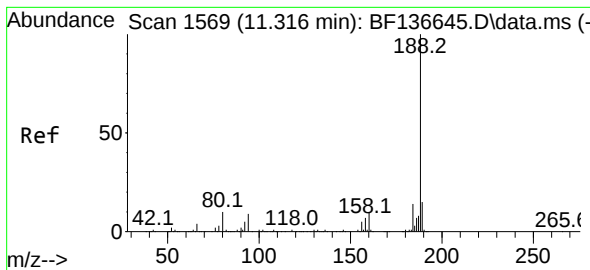


#45
2-Fluorobiphenyl
Concen: 62.753 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29



Tgt Ion:172 Resp: 467958
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.0 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

ETGI-345

Tgt Ion:188 Resp: 152099

Ion Ratio Lower Upper

188 100

94 8.9 7.5 11.3

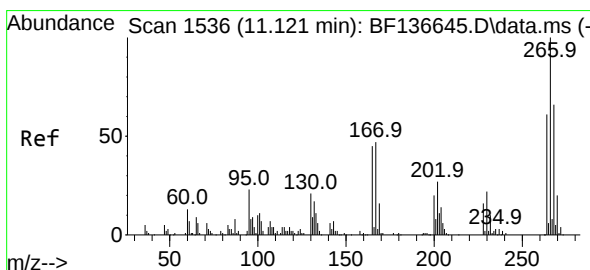
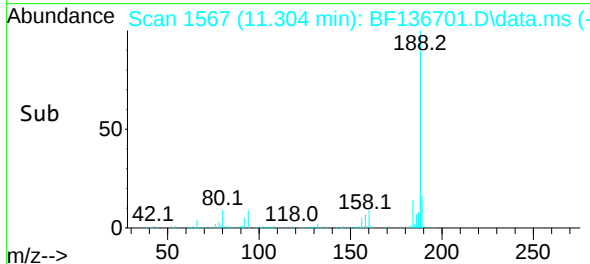
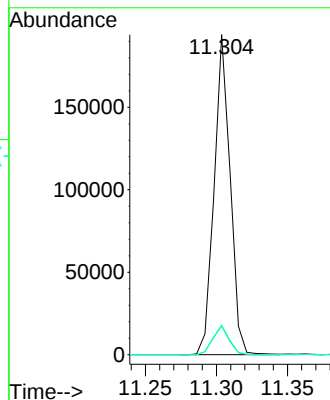
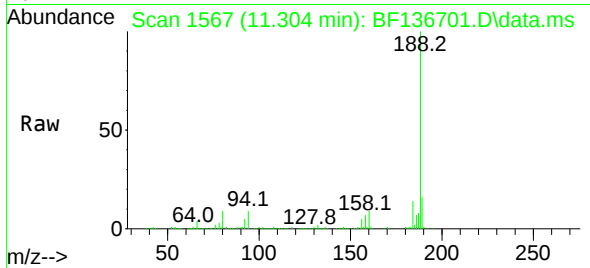
80 9.3 8.1 12.1

Manual Integrations

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Supervised By :mohammad ahmed 12/25/2023



#70

Pentachlorophenol

Concen: 2.251 ng

RT: 11.115 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

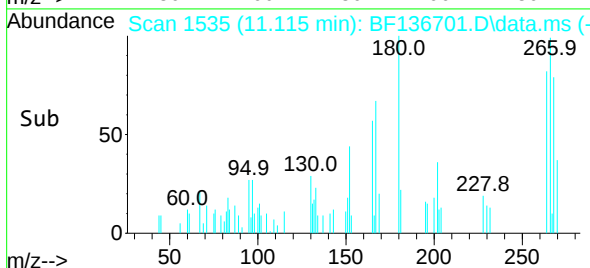
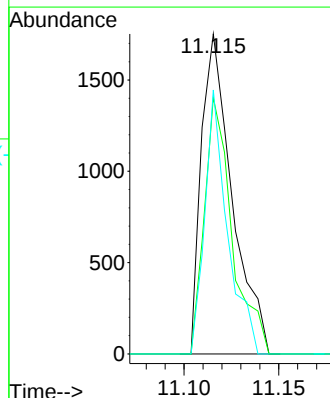
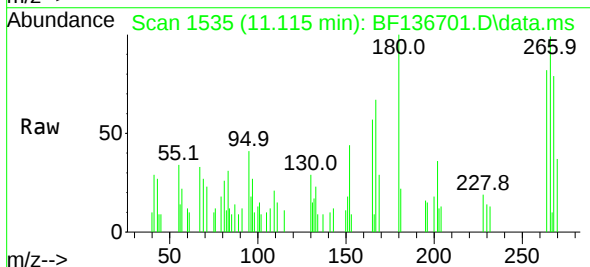
Tgt Ion:266 Resp: 1975

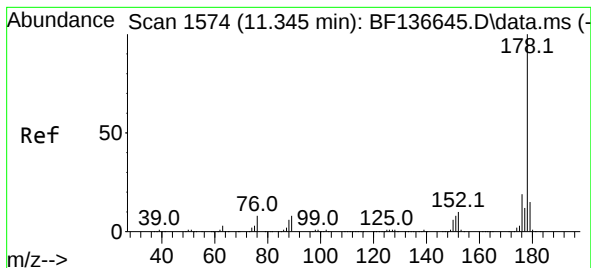
Ion Ratio Lower Upper

266 100

268 80.1 52.6 78.8#

264 82.5 49.0 73.4#





#71

Phenanthrene

Concen: 5.549 ng

RT: 11.327 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

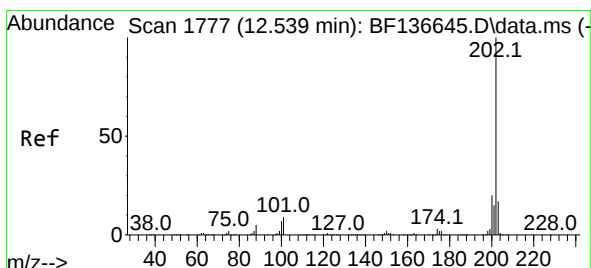
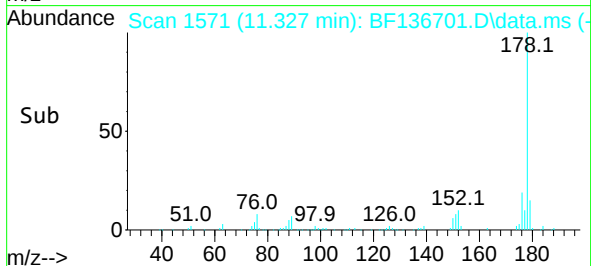
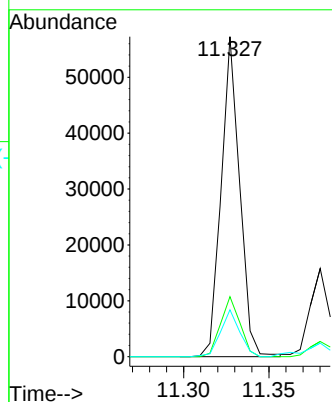
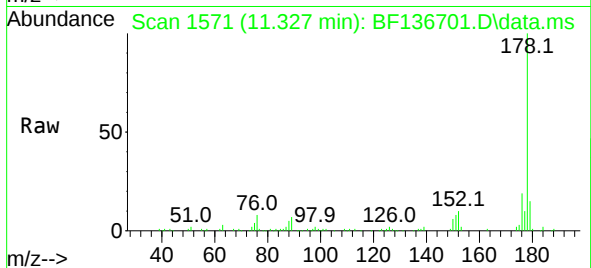
ETGI-345

Tgt Ion:178	Resp:	43300
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.3 22.9
179	14.6	11.9 17.9

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#75

Fluoranthene

Concen: 7.653 ng

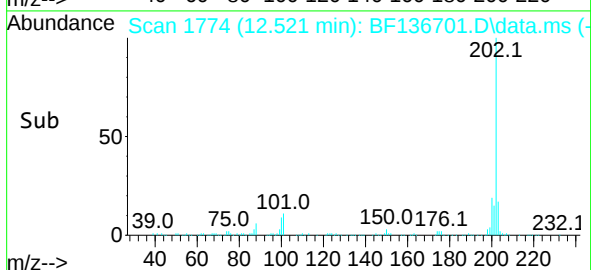
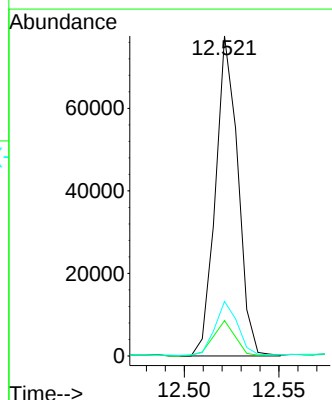
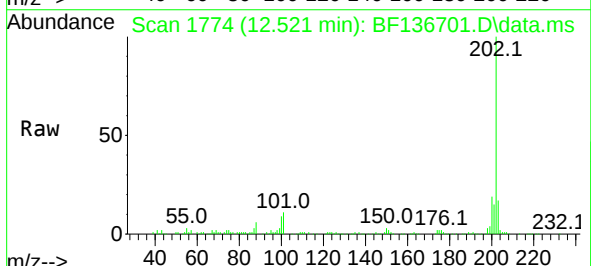
RT: 12.521 min Scan# 1774

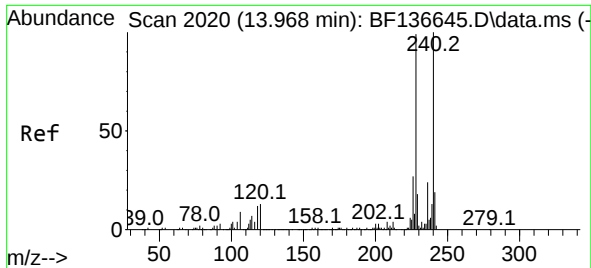
Delta R.T. -0.018 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

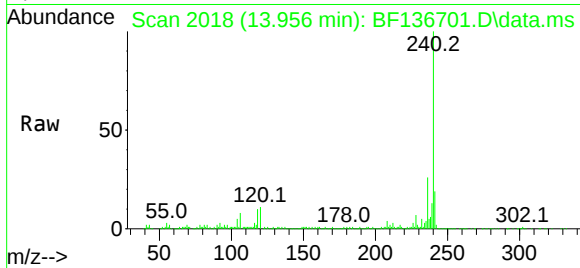
Tgt Ion:202	Resp:	63885
Ion Ratio	Lower	Upper
202	100	
101	11.1	0.0 29.3
203	17.0	0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.956 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

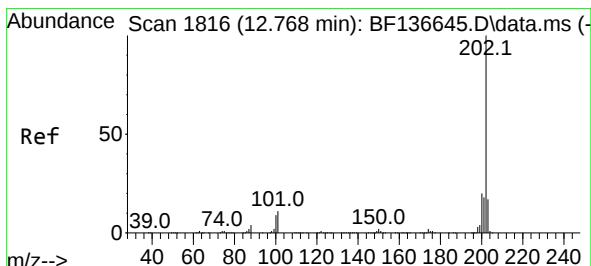
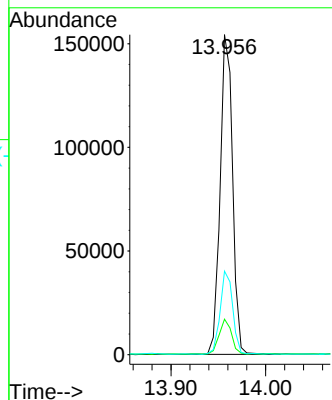
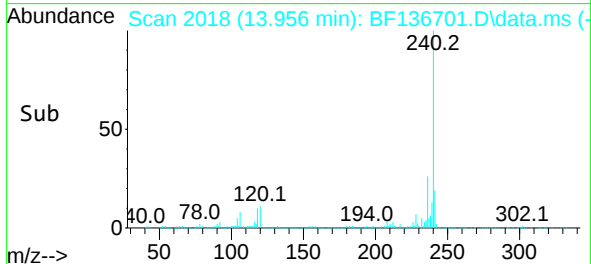
Instrument :
BNA_F
ClientSampleId :
ETGI-345



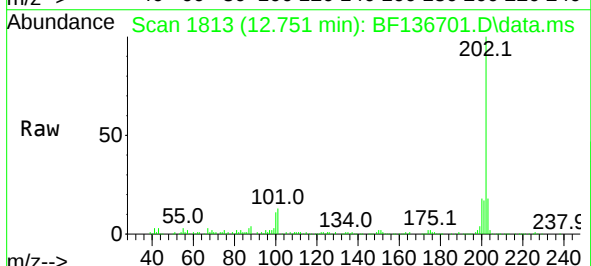
Tgt Ion:240 Resp: 14124
Ion Ratio Lower Upper
240 100
120 11.1 10.3 15.5
236 26.1 19.4 29.2

Manual Integrations
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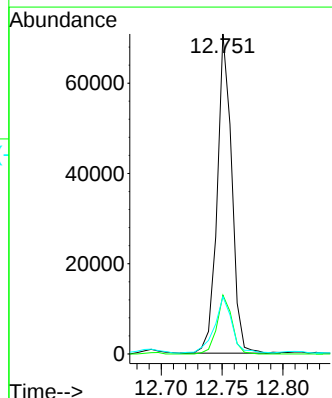
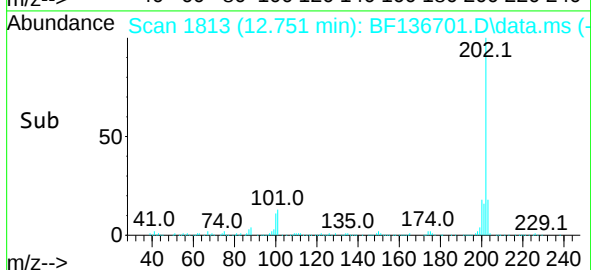
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

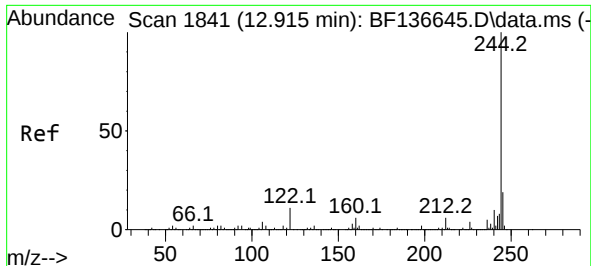


#78
Pyrene
Concen: 4.262 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.018 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29



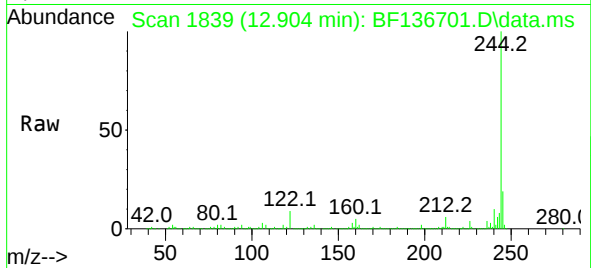
Tgt Ion:202 Resp: 59091
Ion Ratio Lower Upper
202 100
200 18.4 15.9 23.9
203 17.9 13.8 20.6





#79
 Terphenyl-d14
 Concen: 42.933 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136701.D
 Acq: 22 Dec 2023 23:29

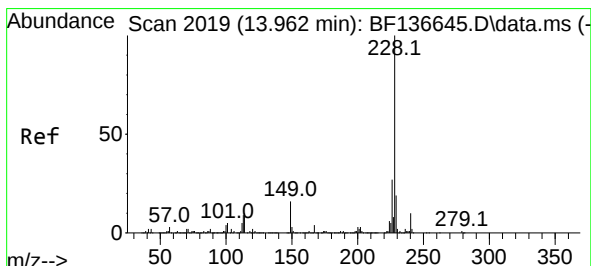
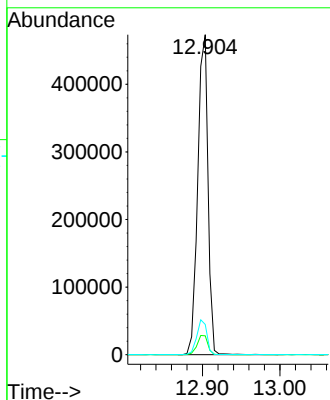
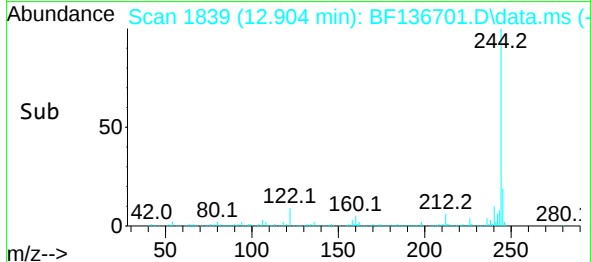
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-345



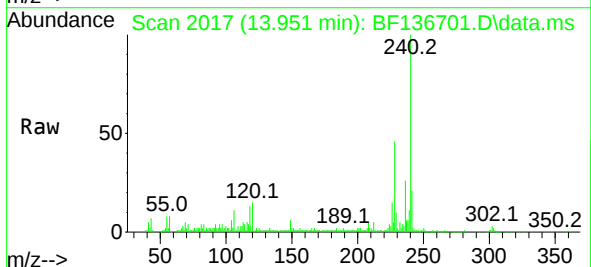
Tgt Ion:244 Resp: 433924
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.0 7.4
 122 9.4 9.0 13.4

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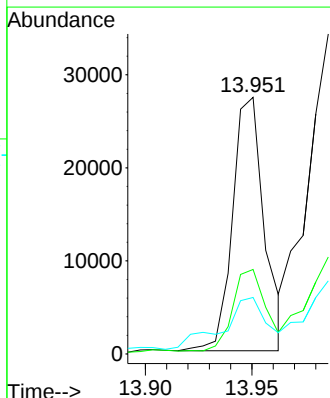
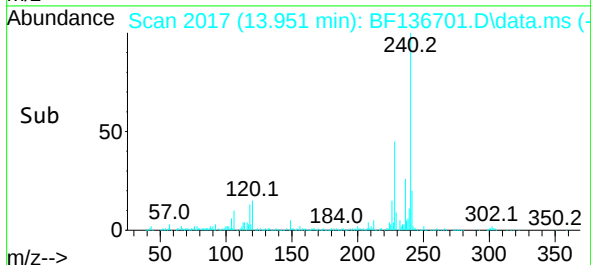
Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

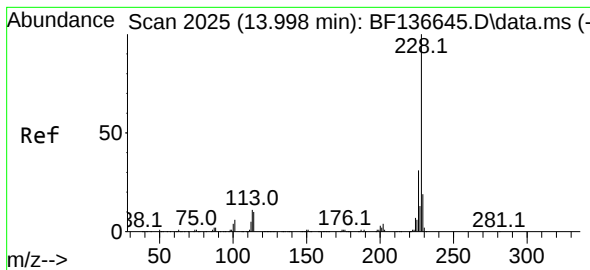


#81
 Benzo(a)anthracene
 Concen: 2.884 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136701.D
 Acq: 22 Dec 2023 23:29



Tgt Ion:228 Resp: 28283
 Ion Ratio Lower Upper
 228 100
 226 32.9 21.4 32.0#
 229 22.0 14.9 22.3





#83

Chrysene

Concen: 3.665 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

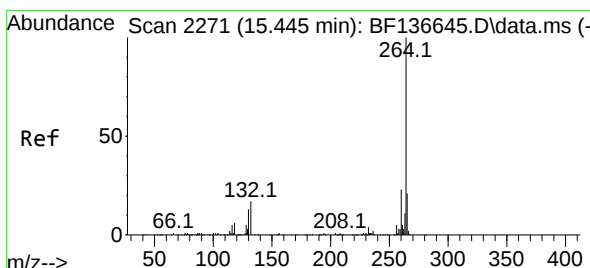
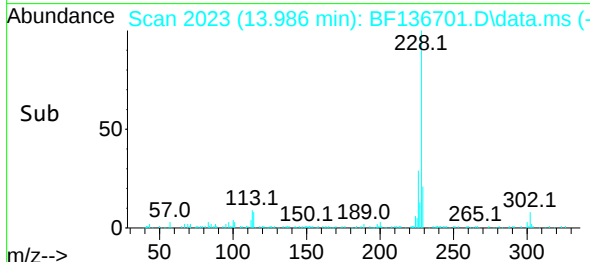
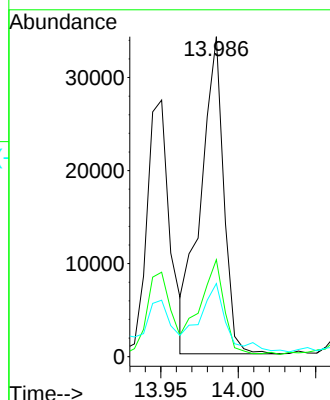
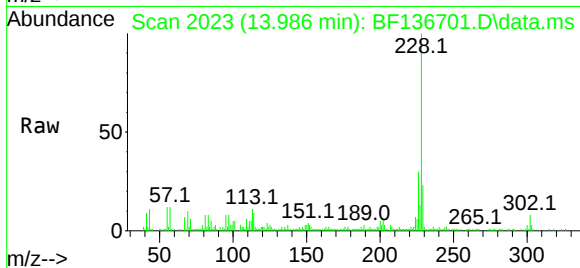
ETGI-345

Tgt Ion:228	Resp:	3515
Ion Ratio	Lower	Upper
228	100	
226	30.3	24.7 37.1
229	22.9	15.4 23.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#86

Perylene-d12

Concen: 20.000 ng

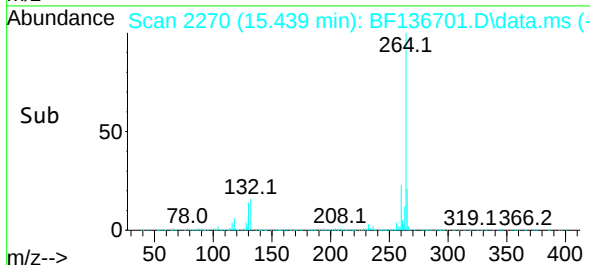
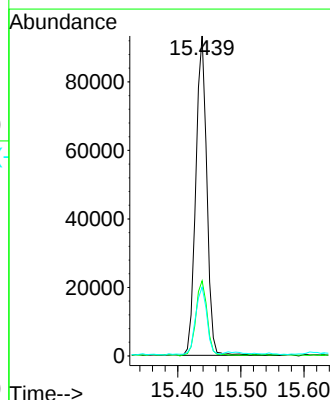
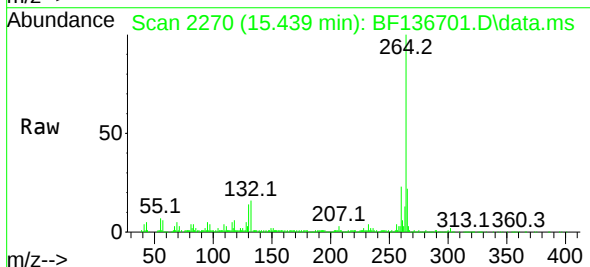
RT: 15.439 min Scan# 2270

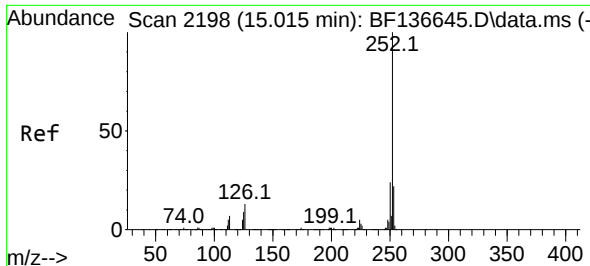
Delta R.T. -0.006 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

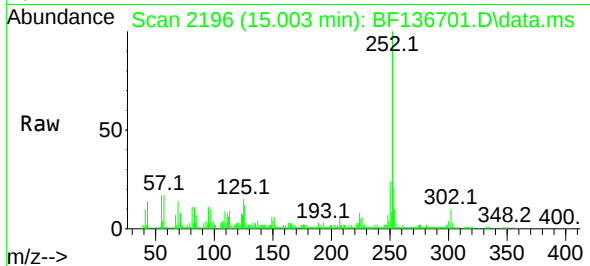
Tgt Ion:264	Resp:	112366
Ion Ratio	Lower	Upper
264	100	
260	23.5	18.3 27.5
265	21.5	17.0 25.6





#88
Benzo(b)fluoranthene
Concen: 6.166 ng m
RT: 15.003 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

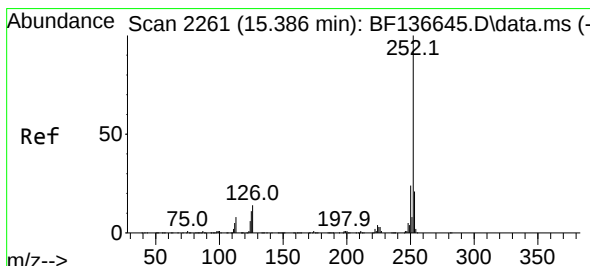
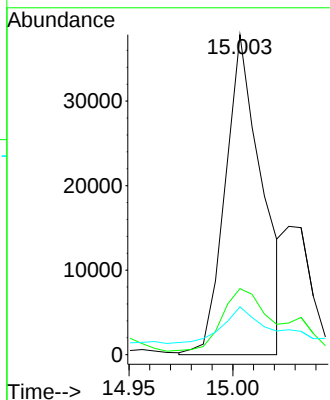
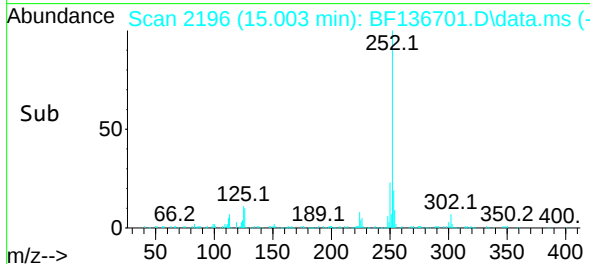
Instrument :
BNA_F
ClientSampleId :
ETGI-345



Tgt Ion:252 Resp: 46279
Ion Ratio Lower Upper
252 100
253 20.7 17.4 26.0
125 15.0 7.4 11.2

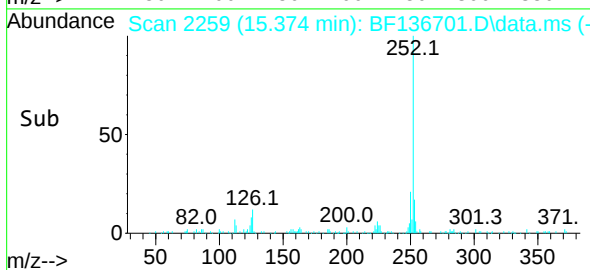
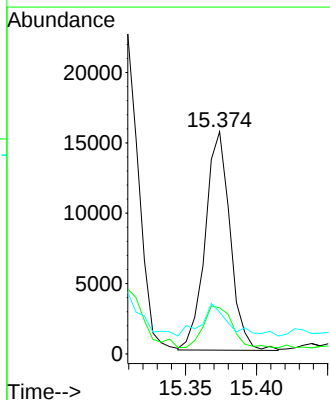
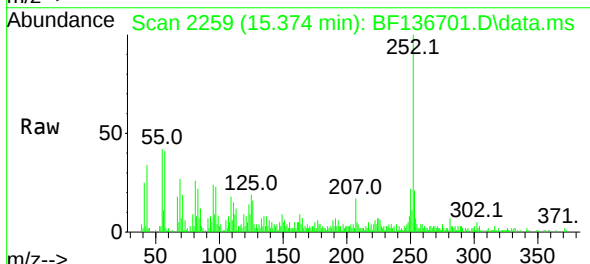
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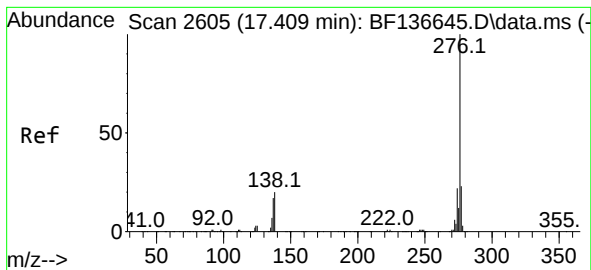
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#90
Benzo(a)pyrene
Concen: 2.987 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

Tgt Ion:252 Resp: 18921
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.6
125 18.8 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.326 ng

RT: 17.380 min Scan# 20

Delta R.T. -0.030 min

Lab File: BF136701.D

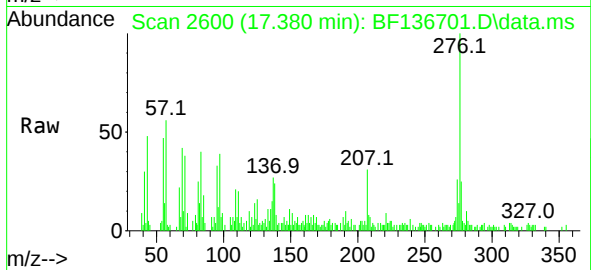
Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

ETGI-345



Tgt Ion: 276 Resp: 1585

Ion Ratio Lower Upper

276 100

277 25.4 18.3 27.5

138 24.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023

