

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134740.D
 Acq On : 11 Aug 2023 19:14
 Operator : CG\JU
 Sample : 03961-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-339

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/12/2023
 Supervised By :mohammad ahmed 08/12/2023

Quant Time: Aug 11 22:23:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	175478	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	627266	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	279144	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	472995	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	317630	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	246917	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	498657	43.197	ng	0.00
7) Phenol-d6	6.428	99	603254	40.880	ng	-0.01
23) Nitrobenzene-d5	7.357	82	360295	35.895	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	133566	46.938	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	649888	38.710	ng	-0.01
79) Terphenyl-d14	12.916	244	635367	35.263	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.692	152	191583	7.493	ng	99
58) Fluorene	10.380	166	48186	2.805	ng	98
71) Phenanthrene	11.345	178	729031	29.018	ng	100
72) Anthracene	11.398	178	152170	5.930	ng	99
75) Fluoranthene	12.545	202	1323033	49.854	ng	97
78) Pyrene	12.774	202	1409187	51.271	ng	96
81) Benzo(a)anthracene	13.963	228	674379m	29.693	ng	
83) Chrysene	14.004	228	658005	29.737	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	263072	18.116	ng	# 95
88) Benzo(b)fluoranthene	15.021	252	605754m	40.225	ng	
89) Benzo(k)fluoranthene	15.045	252	226289m	15.084	ng	
90) Benzo(a)pyrene	15.386	252	427801	30.468	ng	# 95
91) Dibenzo(a,h)anthracene	16.945	278	63299	5.394	ng	# 86
92) Benzo(g,h,i)perylene	17.392	276	255459	21.339	ng	# 93

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

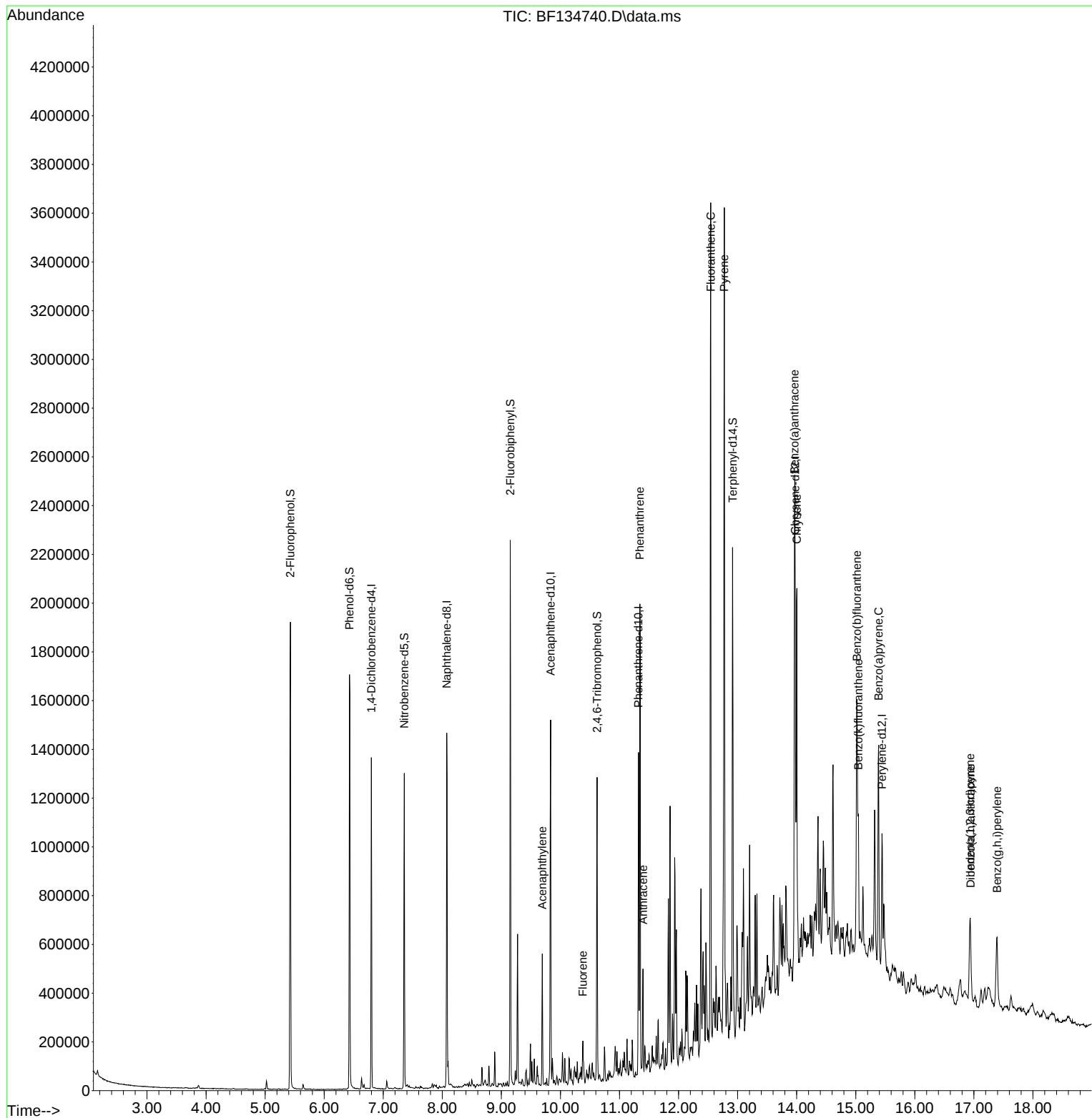
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
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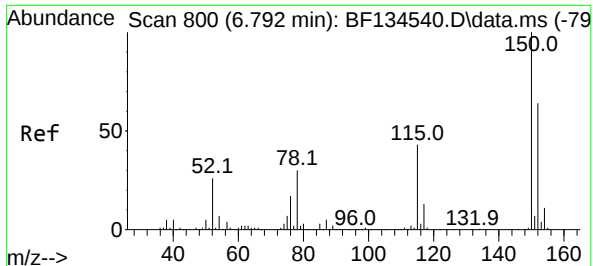
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Quant Time: Aug 11 22:23:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
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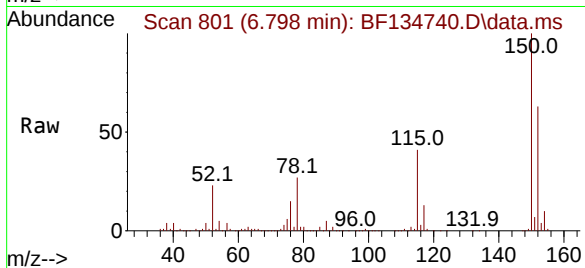
Reviewed By :Yogesh Patel 08/12/2023
Supervised By :mohammad ahmed 08/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

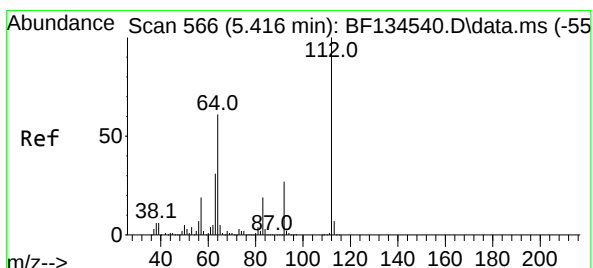
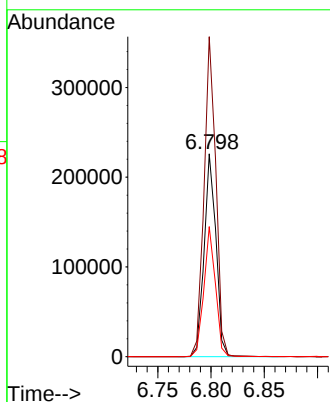
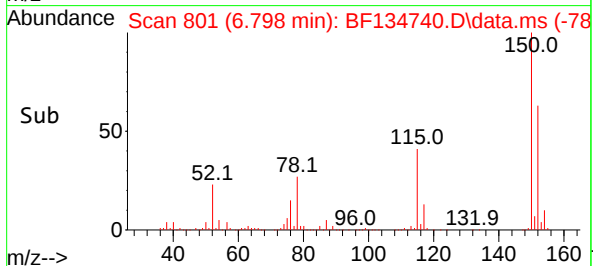
Instrument :
BNA_F
ClientSampleId :
ETGI-339



Tgt Ion:152 Resp: 175478
Ion Ratio Lower Upper
152 100
150 157.7 128.3 192.5
115 64.1 52.4 78.6

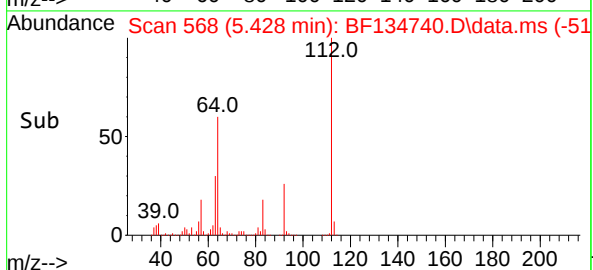
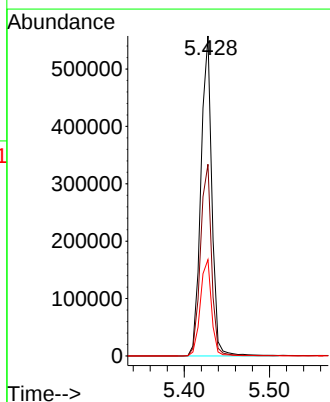
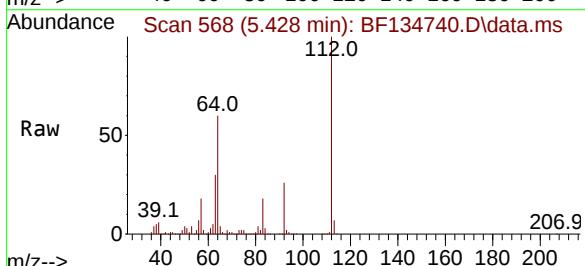
Manual Integrations
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Supervised By :mohammad ahmed 08/12/2023



#5
2-Fluorophenol
Concen: 43.197 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

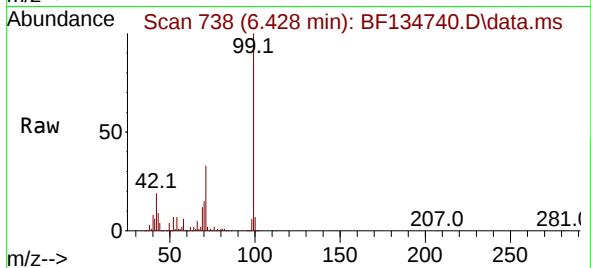
Tgt Ion:112 Resp: 498657
Ion Ratio Lower Upper
112 100
64 59.9 44.9 67.3
63 30.1 25.4 38.0





#7
Phenol-d6
Concen: 40.880 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

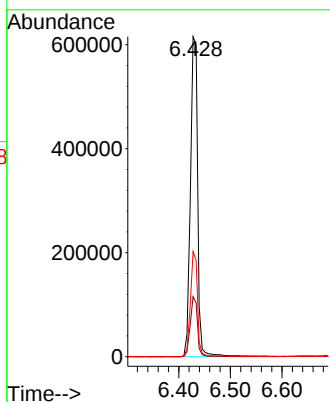
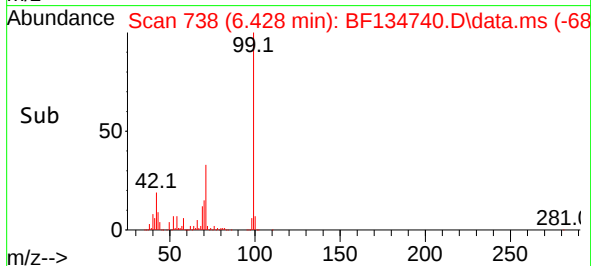
Instrument :
BNA_F
ClientSampleId :
ETGI-339



Tgt Ion: 99 Resp: 603254
Ion Ratio Lower Upper
99 100
42 18.8 18.7 28.1
71 32.9 36.4 54.6

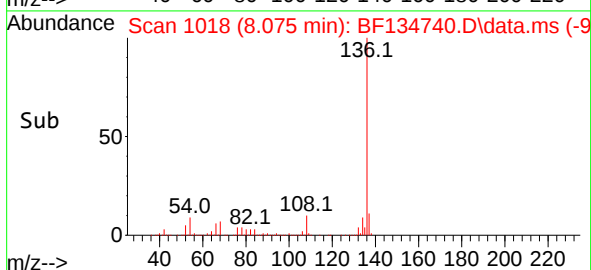
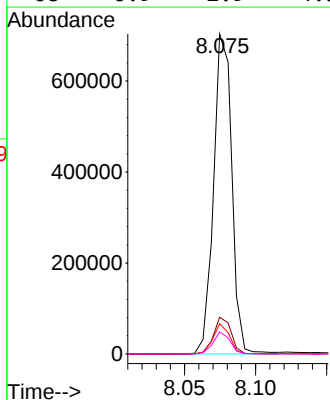
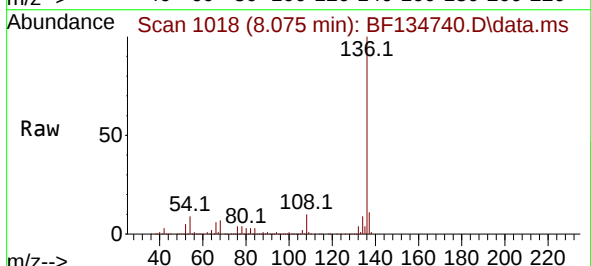
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

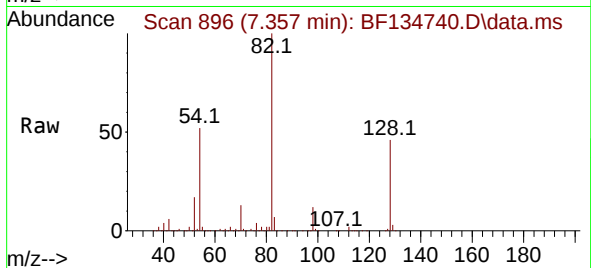
Tgt Ion:136 Resp: 627266
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 9.4 5.2 7.8#
68 6.9 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 35.895 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

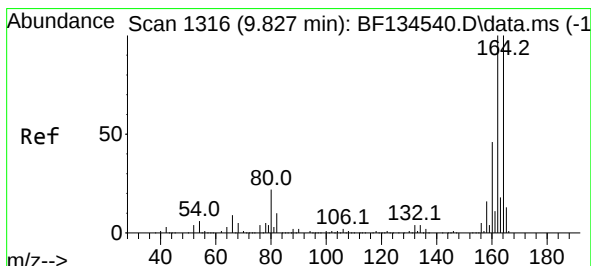
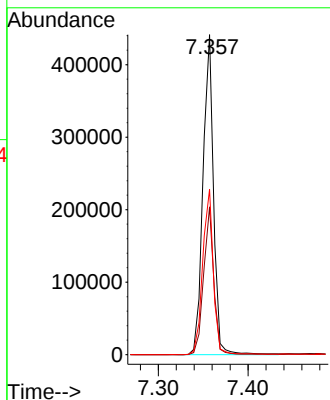
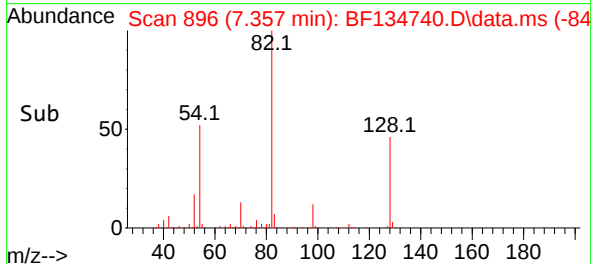
Instrument :
BNA_F
ClientSampleId :
ETGI-339



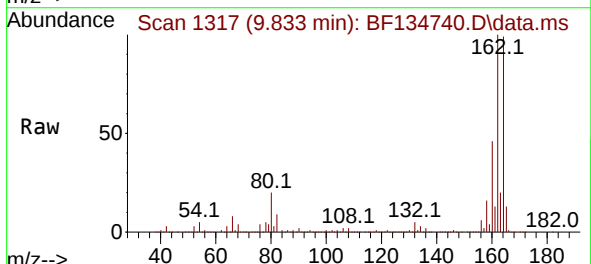
Tgt Ion: 82 Resp: 360295
Ion Ratio Lower Upper
82 100
128 46.2 34.3 51.5
54 51.7 43.8 65.6

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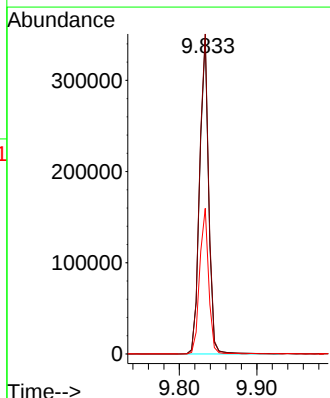
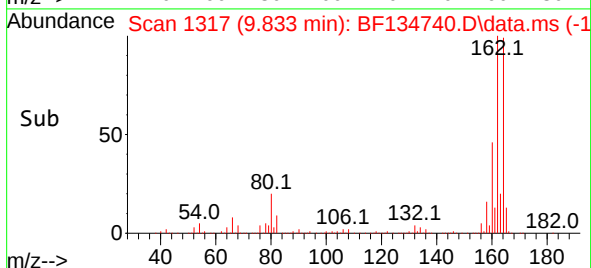
Reviewed By :Yogesh Patel 08/12/2023
Supervised By :mohammad ahmed 08/12/2023

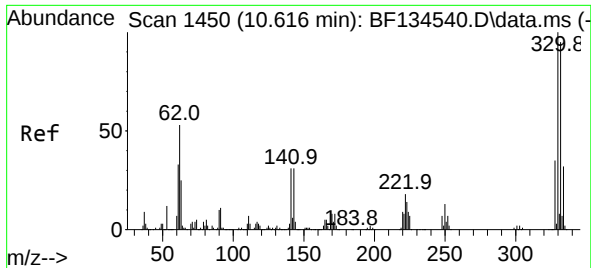


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14



Tgt Ion:164 Resp: 279144
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 46.1 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 46.938 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

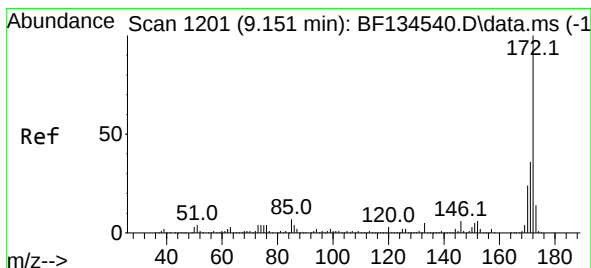
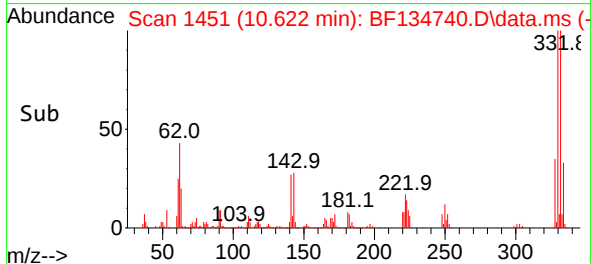
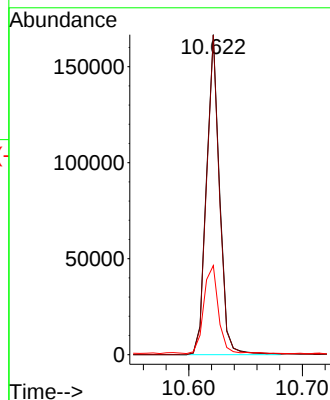
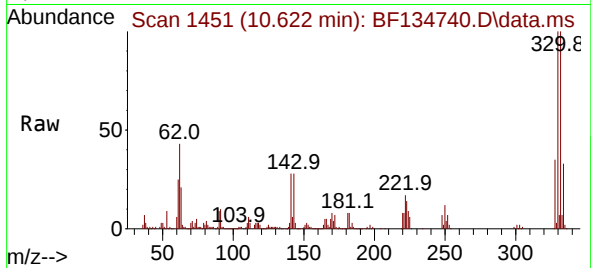
ETGI-339

Tgt Ion:330 Resp: 133560
Ion Ratio Lower Upper
330 100
332 98.9 78.8 118.2
141 30.9 25.4 38.2

Manual Integrations

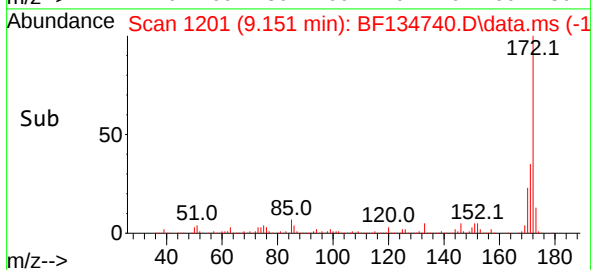
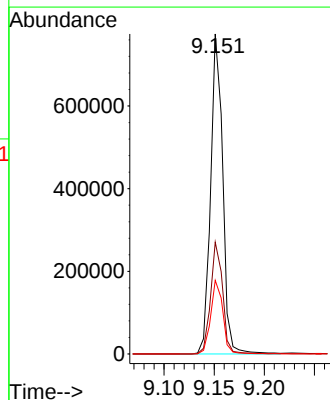
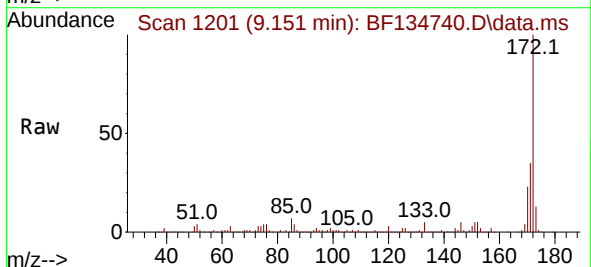
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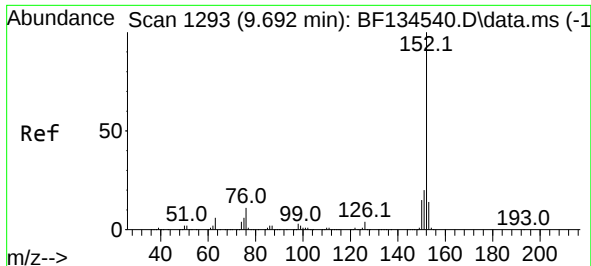
Reviewed By :Yogesh Patel 08/12/2023
Supervised By :mohammad ahmed 08/12/2023



#45
2-Fluorobiphenyl
Concen: 38.710 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

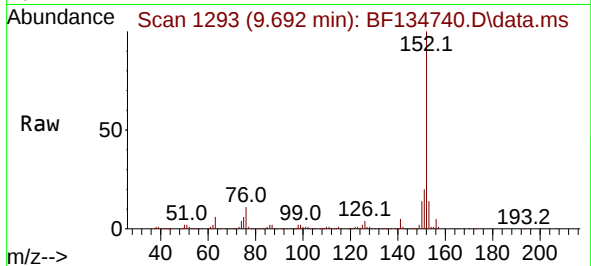
Tgt Ion:172 Resp: 649888
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.0 18.7 28.1





#49
Acenaphthylene
Concen: 7.493 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

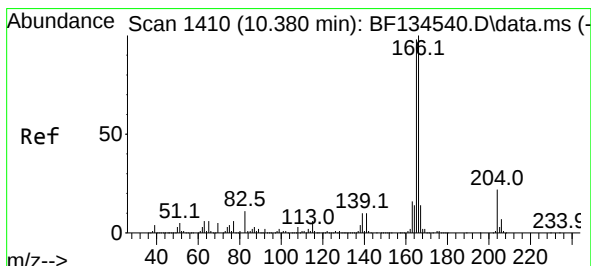
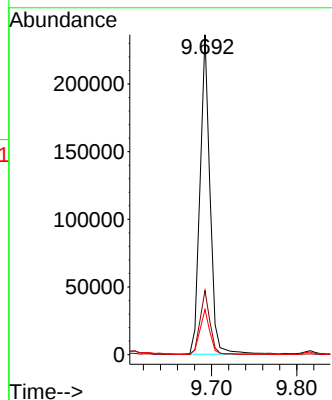
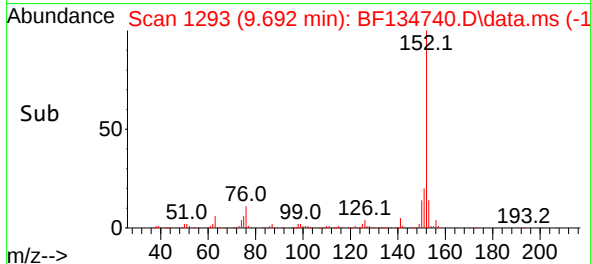
Instrument :
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ETGI-339



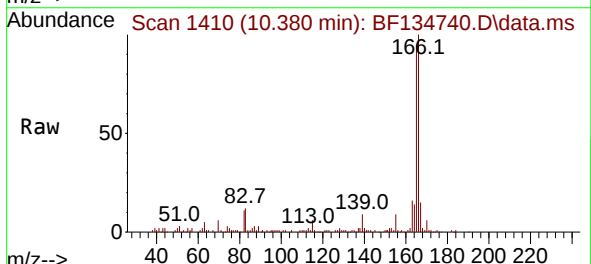
Tgt Ion:152 Resp: 19158
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 14.1 10.9 16.3

Manual Integrations
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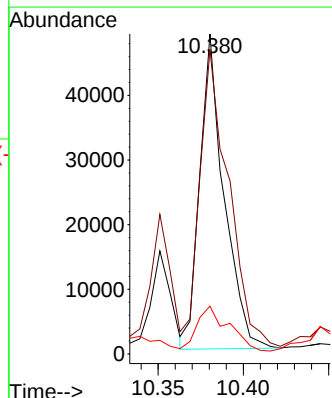
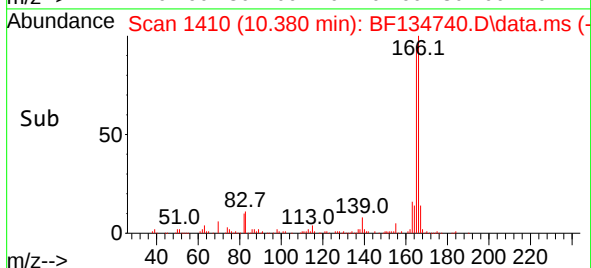
Reviewed By :Yogesh Patel 08/12/2023
Supervised By :mohammad ahmed 08/12/2023

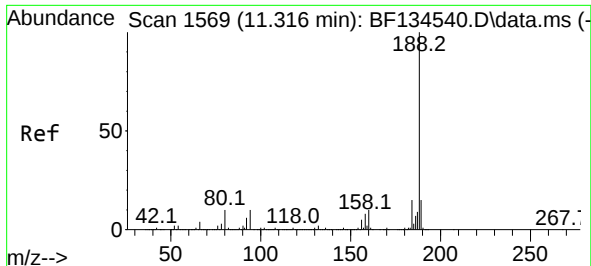


#58
Fluorene
Concen: 2.805 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14



Tgt Ion:166 Resp: 48186
Ion Ratio Lower Upper
166 100
165 95.2 74.5 111.7
167 15.0 10.6 16.0





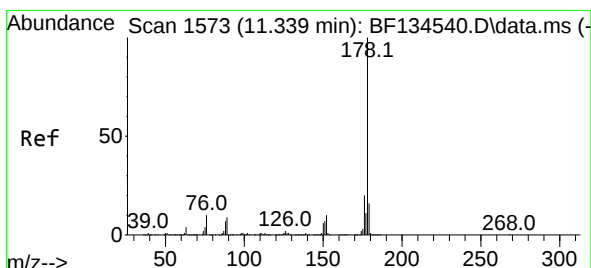
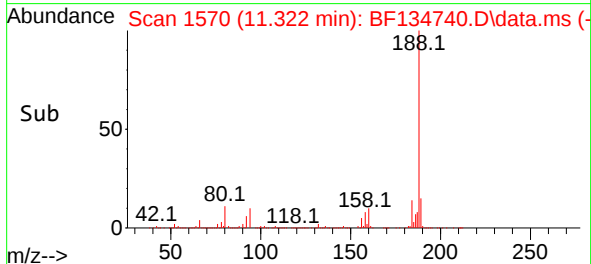
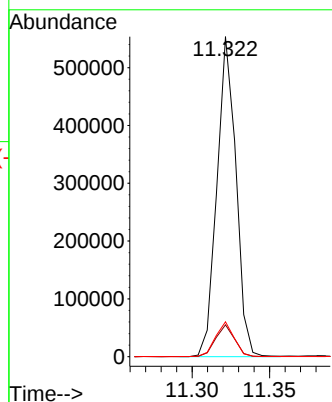
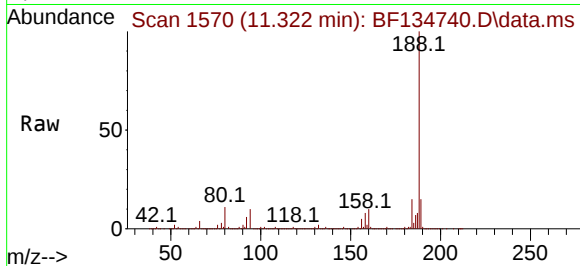
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Instrument :
BNA_F
ClientSampleId :
ETGI-339

Tgt Ion:188 Resp: 472995
Ion Ratio Lower Upper
188 100
94 10.0 5.1 7.7
80 10.9 6.6 9.8

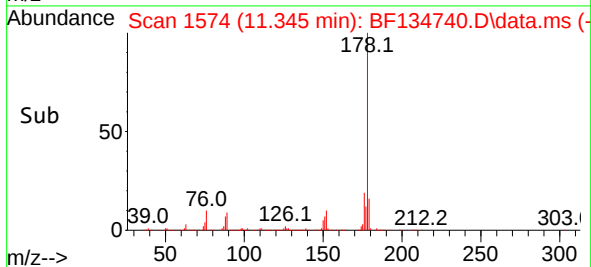
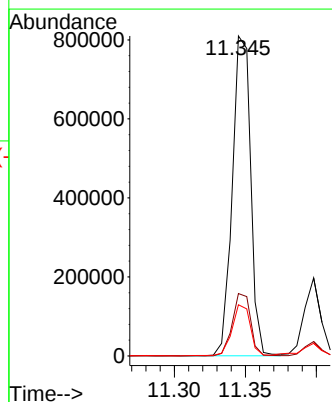
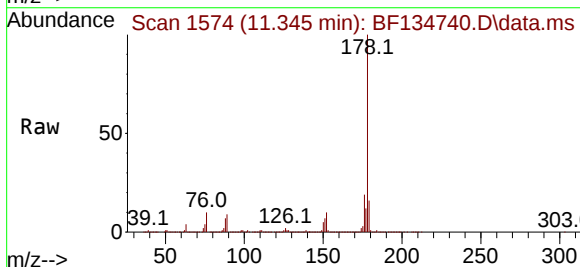
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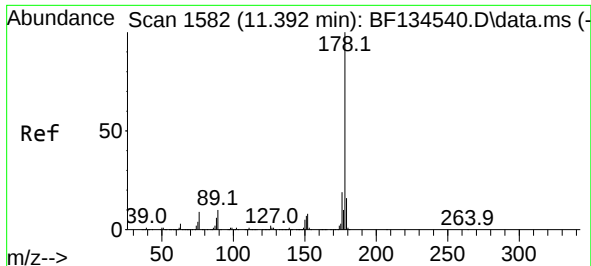
Reviewed By :Yogesh Patel 08/12/2023
Supervised By :mohammad ahmed 08/12/2023



#71
Phenanthrene
Concen: 29.018 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

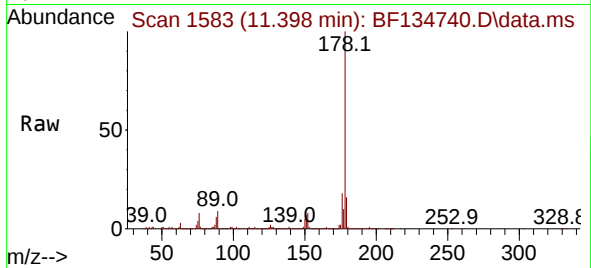
Tgt Ion:178 Resp: 729031
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 16.0 12.7 19.1





#72
 Anthracene
 Concen: 5.930 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134740.D
 Acq: 11 Aug 2023 19:14

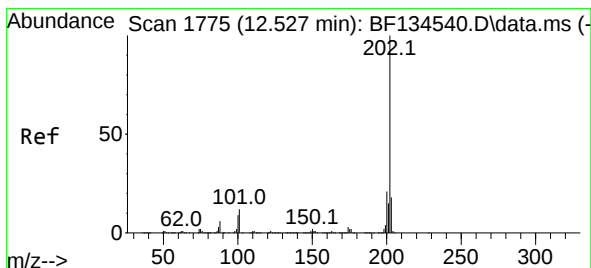
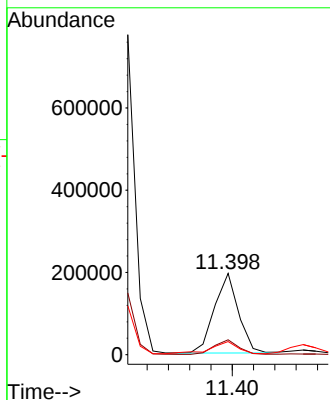
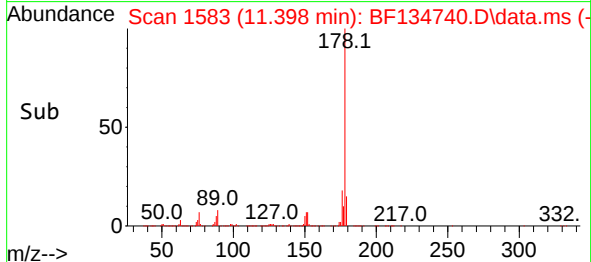
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-339



Tgt Ion:178 Resp: 152170
 Ion Ratio Lower Upper
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 176 18.4 14.6 21.8
 179 16.2 12.3 18.5

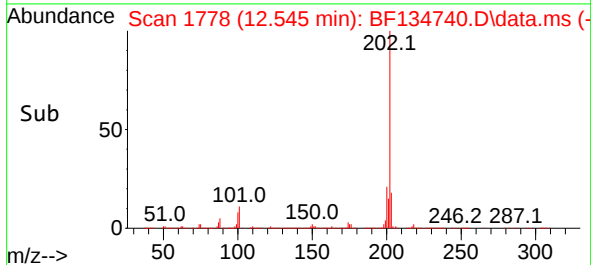
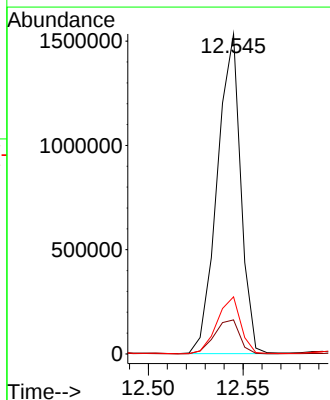
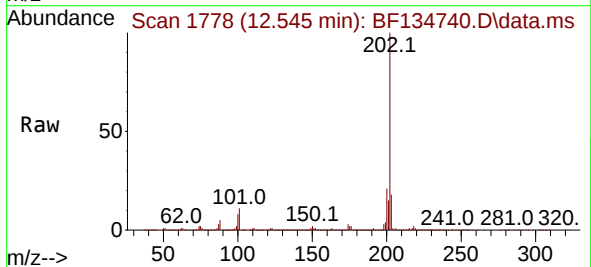
Manual Integrations
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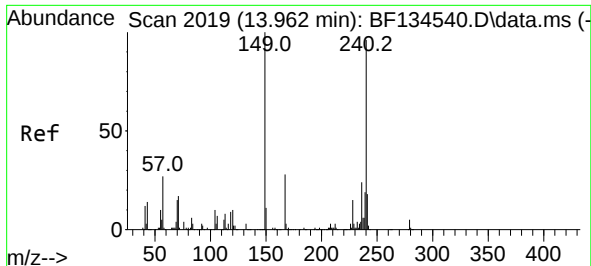
Reviewed By :Yogesh Patel 08/12/2023
 Supervised By :mohammad ahmed 08/12/2023



#75
 Fluoranthene
 Concen: 49.854 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.006 min
 Lab File: BF134740.D
 Acq: 11 Aug 2023 19:14

Tgt Ion:202 Resp: 1323033
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 28.5
 203 17.9 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

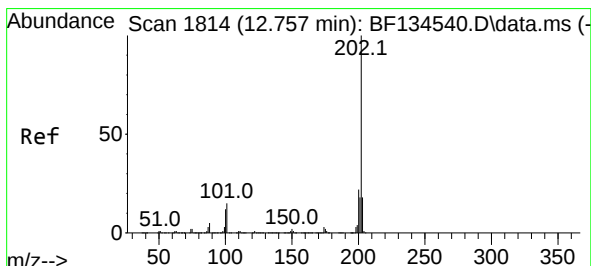
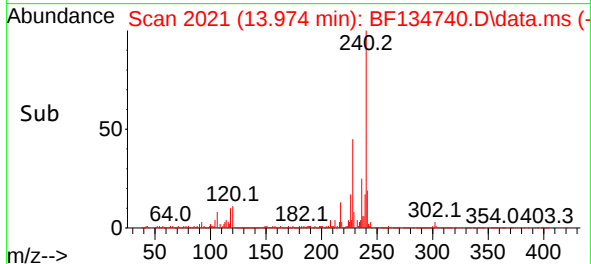
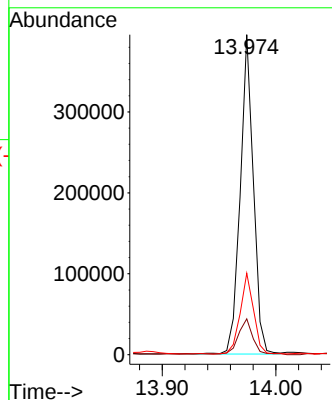
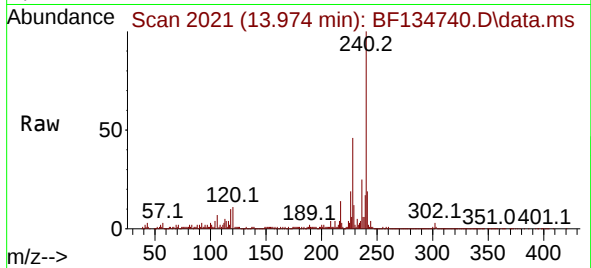
Tgt Ion:240 Resp: 317630
Ion Ratio Lower Upper
240 100
120 11.2 6.6 10.0
236 25.4 20.2 30.2

Manual Integrations

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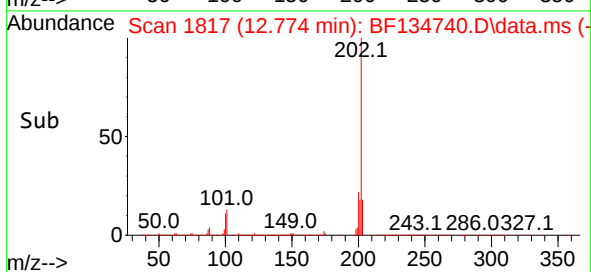
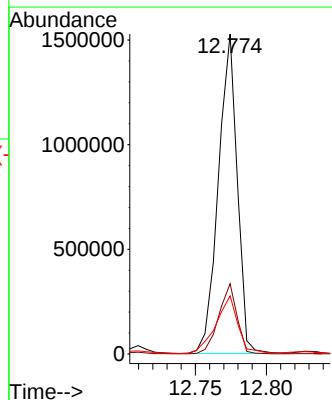
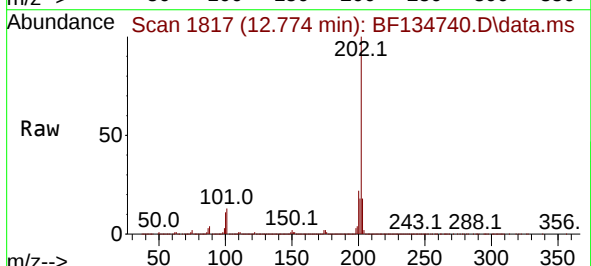
Reviewed By :Yogesh Patel 08/12/2023

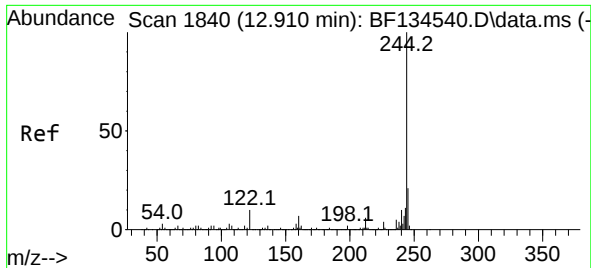
Supervised By :mohammad ahmed 08/12/2023



#78
Pyrene
Concen: 51.271 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

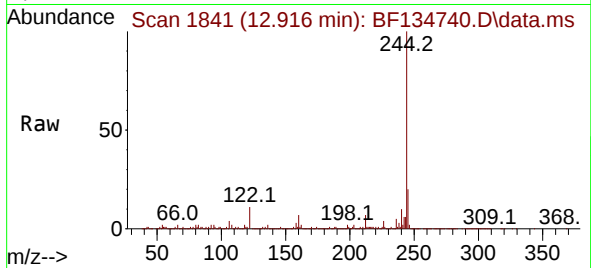
Tgt Ion:202 Resp: 1409187
Ion Ratio Lower Upper
202 100
200 21.9 15.8 23.8
203 18.2 13.5 20.3





#79
 Terphenyl-d14
 Concen: 35.263 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF134740.D
 Acq: 11 Aug 2023 19:14

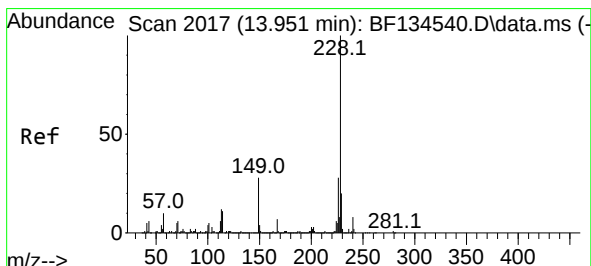
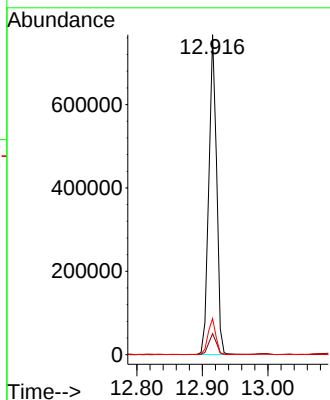
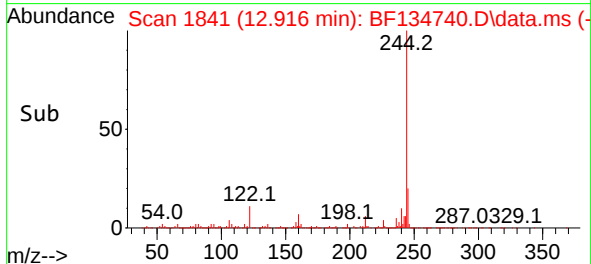
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-339



Tgt Ion:244 Resp: 63536
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 11.3 8.0 12.0

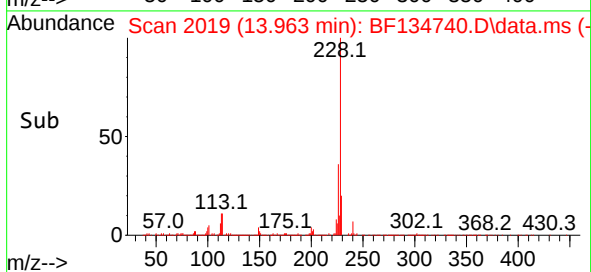
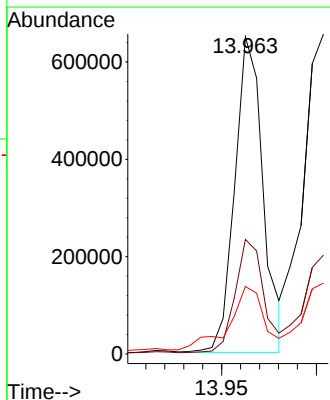
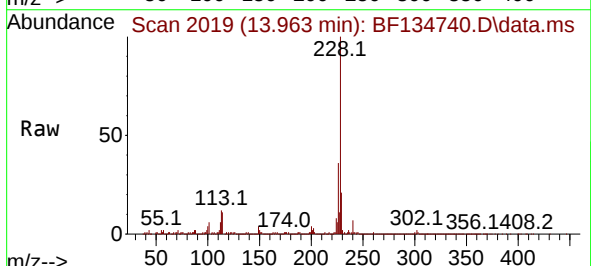
Manual Integrations
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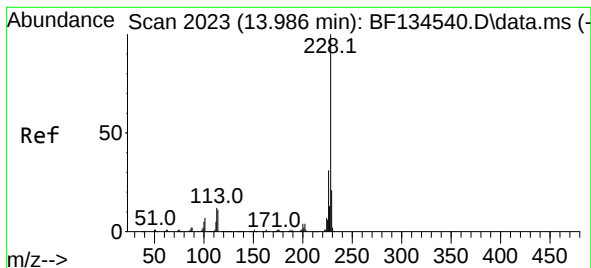
Reviewed By :Yogesh Patel 08/12/2023
 Supervised By :mohammad ahmed 08/12/2023



#81
 Benzo(a)anthracene
 Concen: 29.693 ng m
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF134740.D
 Acq: 11 Aug 2023 19:14

Tgt Ion:228 Resp: 674379
 Ion Ratio Lower Upper
 228 100
 226 36.1 22.3 33.5#
 229 21.3 15.8 23.6





#83

Chrysene

Concen: 29.737 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

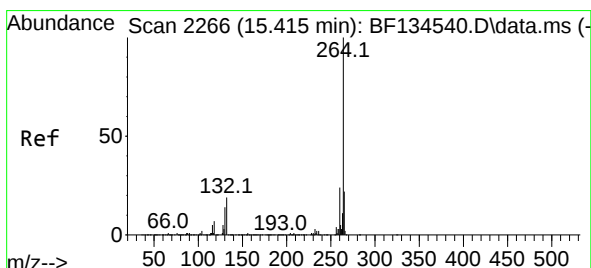
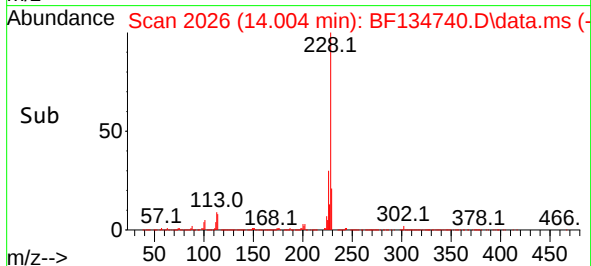
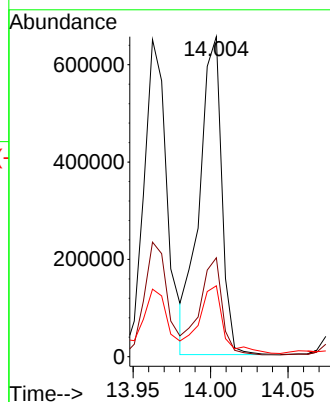
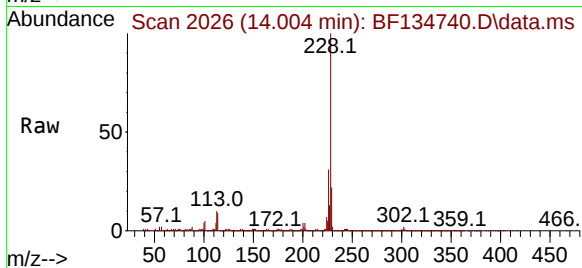
Tgt Ion:228	Resp: 65800
Ion Ratio	Lower Upper
228 100	
226 30.9	24.5 36.7
229 22.1	15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/12/2023

Supervised By :mohammad ahmed 08/12/2023



#86

Perylene-d12

Concen: 20.000 ng

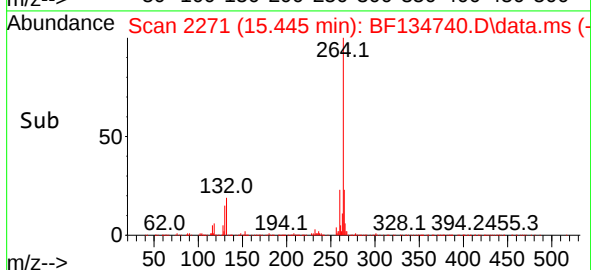
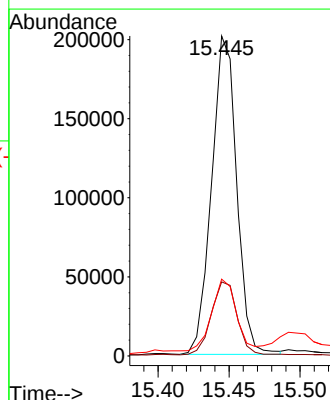
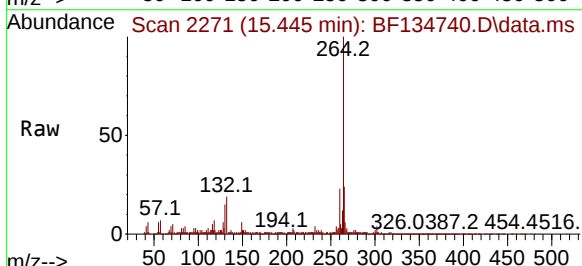
RT: 15.445 min Scan# 2271

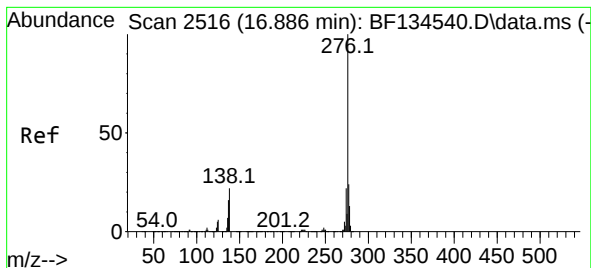
Delta R.T. 0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Tgt Ion:264	Resp: 246917
Ion Ratio	Lower Upper
264 100	
260 23.2	18.4 27.6
265 24.0	15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.116 ng

RT: 16.939 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

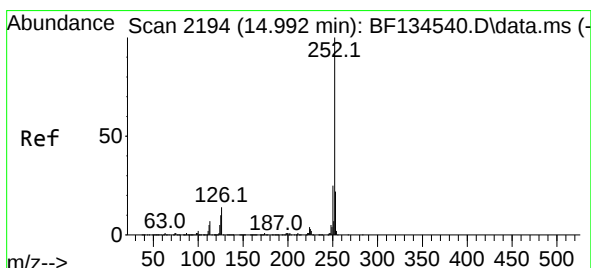
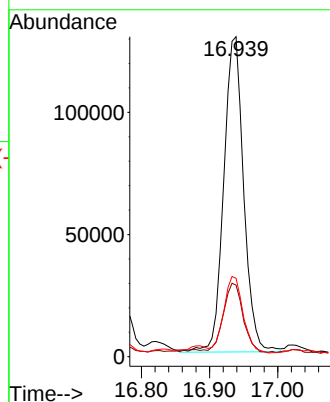
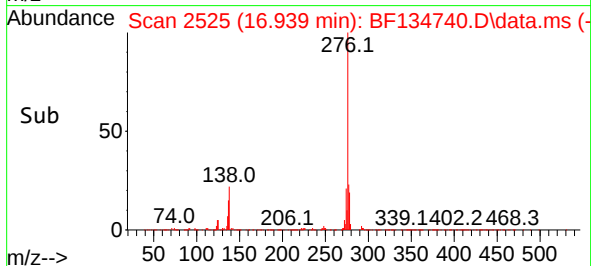
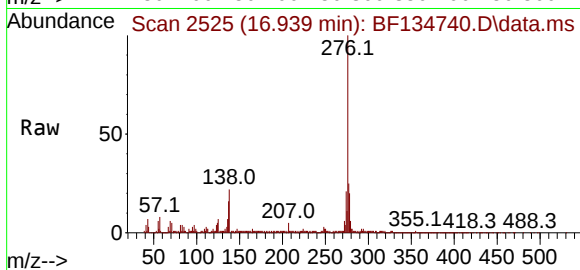
ETGI-339

Tgt Ion:276 Resp: 263072
 Ion Ratio Lower Upper
 276 100
 138 21.7 14.2 21.4
 277 23.5 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/12/2023
 Supervised By :mohammad ahmed 08/12/2023



#88

Benzo(b)fluoranthene

Concen: 40.225 ng m

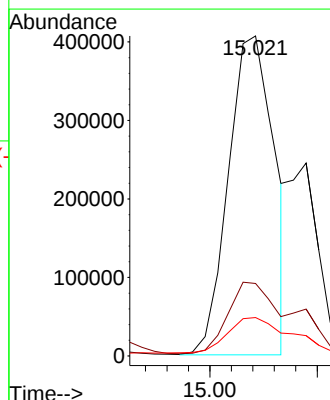
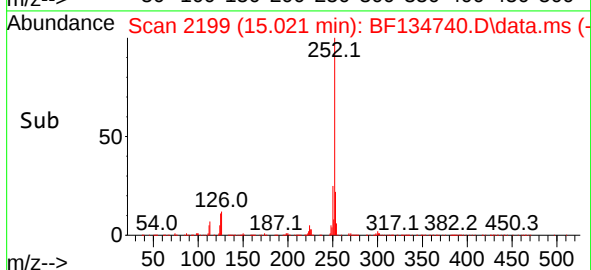
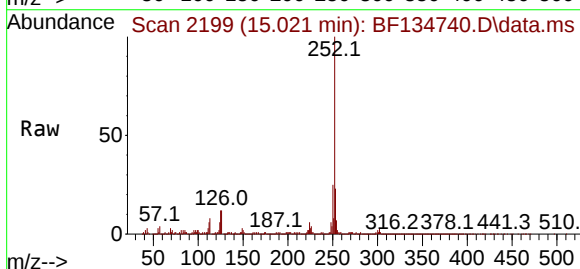
RT: 15.021 min Scan# 2199

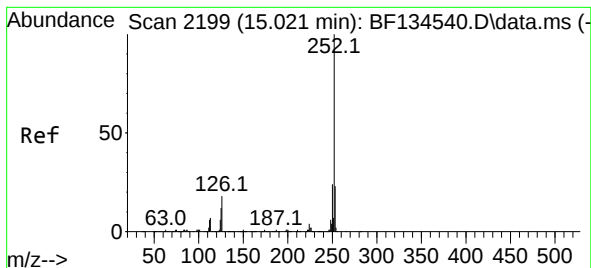
Delta R.T. 0.012 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Tgt Ion:252 Resp: 605754
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.3 25.9
 125 12.0 6.0 9.0





#89

Benzo(k)fluoranthene

Concen: 15.084 ng m

RT: 15.045 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNF

ClientSampleId :

ETGI-339

Tgt Ion:252 Resp: 226289

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

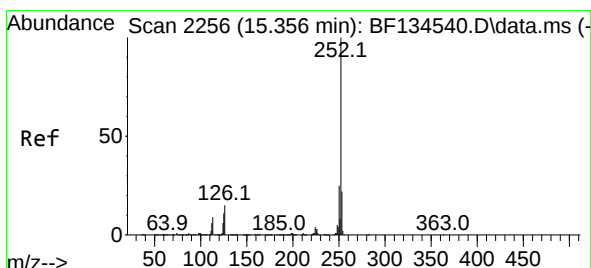
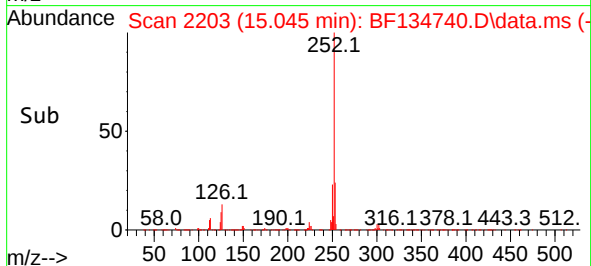
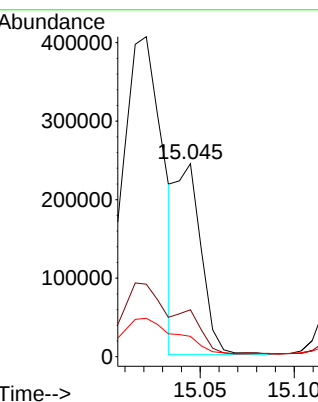
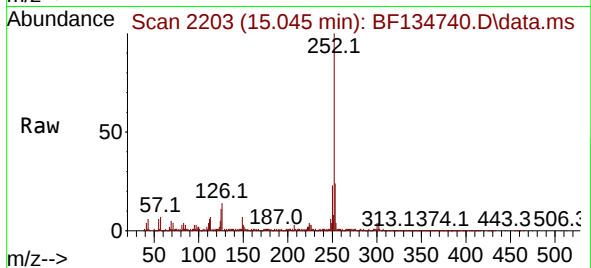
125 10.5 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/12/2023

Supervised By :mohammad ahmed 08/12/2023



#90

Benzo(a)pyrene

Concen: 30.468 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

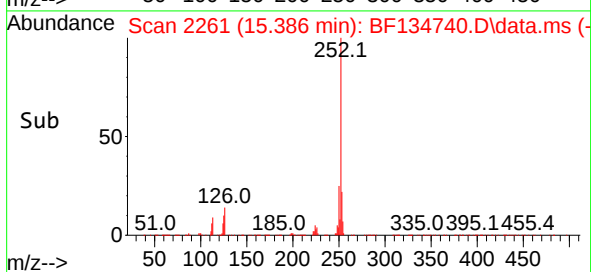
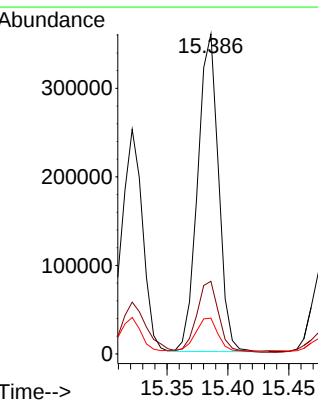
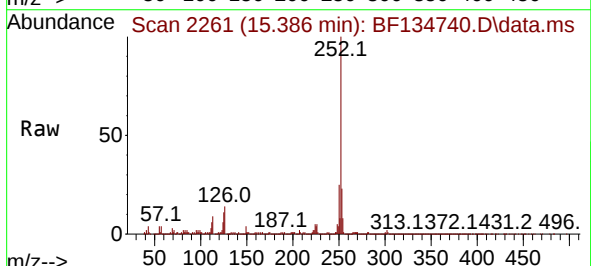
Tgt Ion:252 Resp: 427801

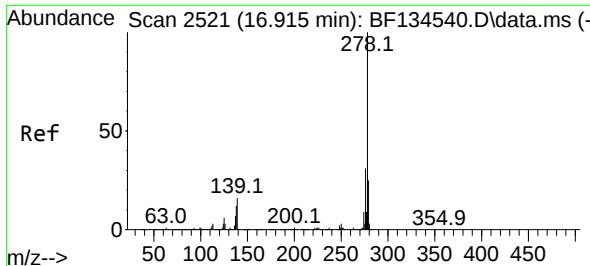
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

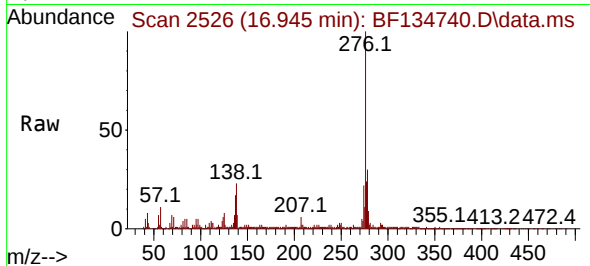
125 11.2 6.2 9.4





#91
Dibenzo(a,h)anthracene
Concen: 5.394 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

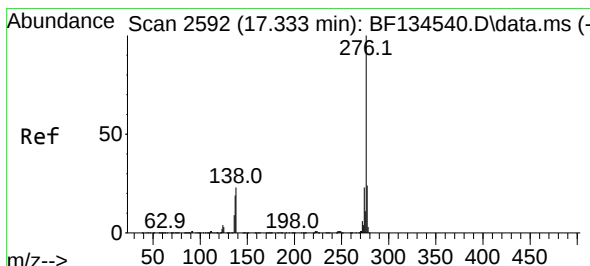
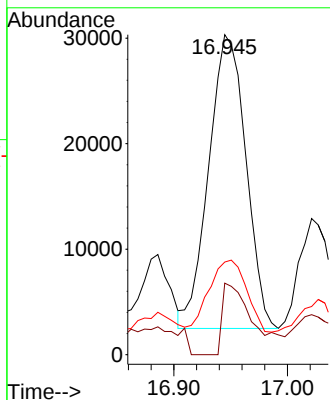
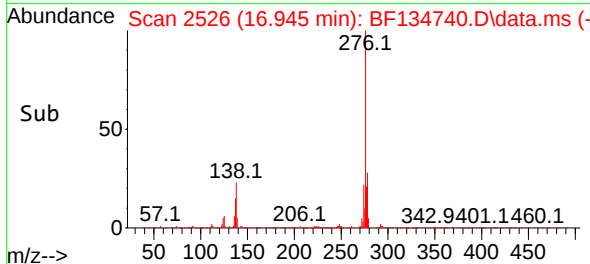
Instrument :
BNA_F
ClientSampleId :
ETGI-339



Tgt Ion:278 Resp: 63299
Ion Ratio Lower Upper
278 100
139 22.3 10.0 15.0
279 29.0 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/12/2023
Supervised By :mohammad ahmed 08/12/2023



#92
Benzo(g,h,i)perylene
Concen: 21.339 ng
RT: 17.392 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Tgt Ion:276 Resp: 255459
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.6
138 21.7 12.2 18.2#

