

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
 Data File : BF135366.D
 Acq On : 20 Sep 2023 19:47
 Operator : CG\JU
 Sample : 04397-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-03

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023

Quant Time: Sep 21 01:53:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	134742	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	487615	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	211171	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	324555	20.000	ng	0.00
76) Chrysene-d12	13.945	240	245296	20.000	ng	0.00
86) Perylene-d12	15.410	264	249104	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	870239	105.045	ng	0.00
7) Phenol-d6	6.404	99	1076193	102.162	ng	0.00
23) Nitrobenzene-d5	7.322	82	653806	72.846	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	173621	82.735	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	971493	69.409	ng	-0.01
79) Terphenyl-d14	12.880	244	709020	44.808	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.822	154	34827	3.013	ng	99
58) Fluorene	10.339	166	32827	2.421	ng	97
71) Phenanthrene	11.310	178	330803	21.551	ng	100
72) Anthracene	11.363	178	78455	4.972	ng	97
73) Carbazole	11.522	167	41061	2.859	ng	99
75) Fluoranthene	12.504	202	475047	29.700	ng	98
78) Pyrene	12.733	202	400478	17.148	ng	99
81) Benzo(a)anthracene	13.933	228	217887	13.756	ng	100
83) Chrysene	13.969	228	207050	13.148	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	66415	4.066	ng	98
88) Benzo(b)fluoranthene	14.980	252	216282m	16.039	ng	
89) Benzo(k)fluoranthene	15.010	252	80922m	6.075	ng	
90) Benzo(a)pyrene	15.345	252	138765	10.791	ng	# 96
92) Benzo(g,h,i)perylene	17.333	276	60997	4.370	ng	# 94

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

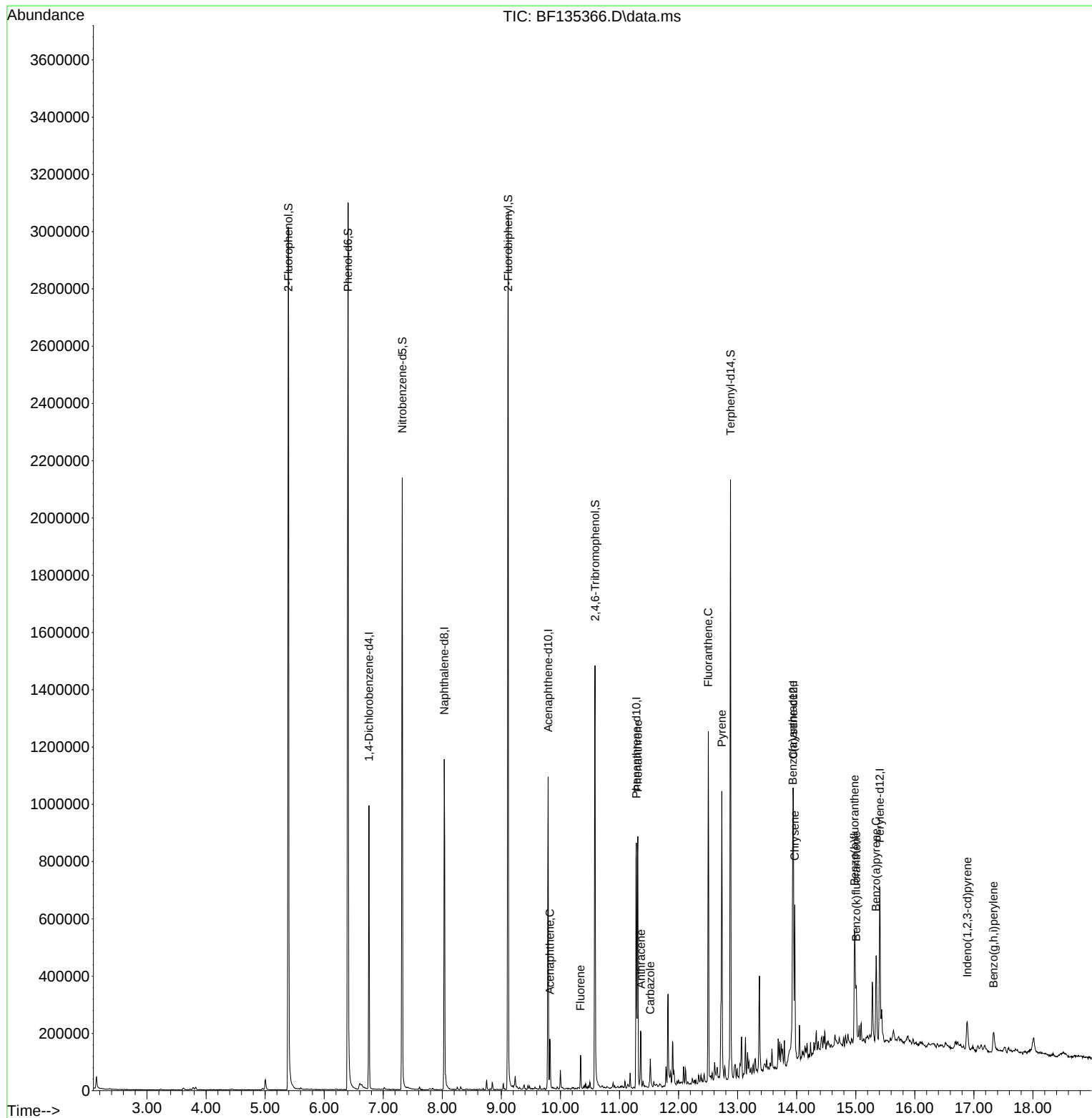
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
Data File : BF135366.D
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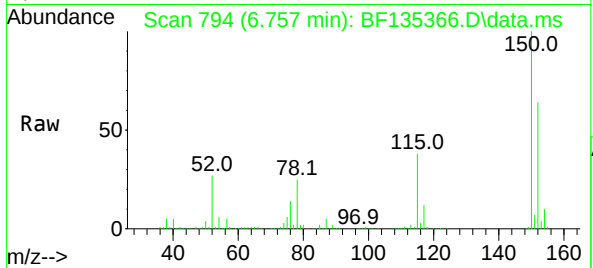
Quant Time: Sep 21 01:53:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

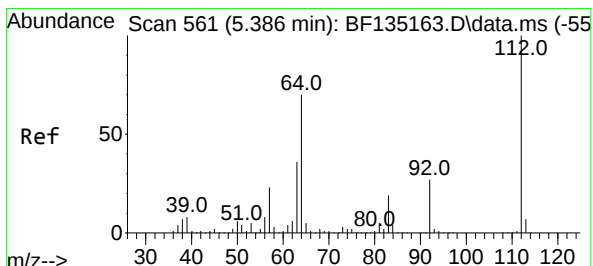
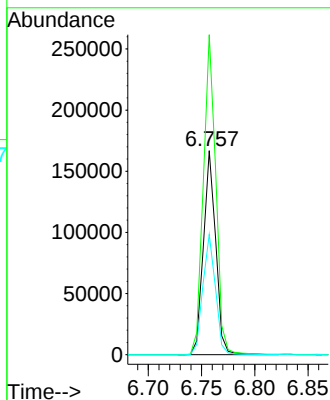
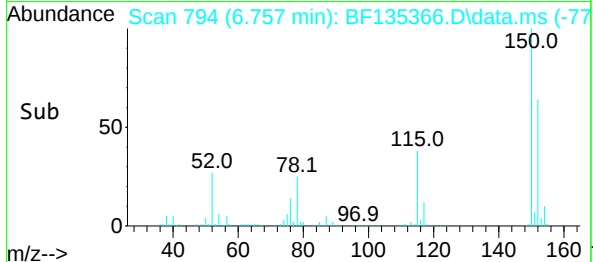
Instrument :
BNA_F
ClientSampleId :
B103-03



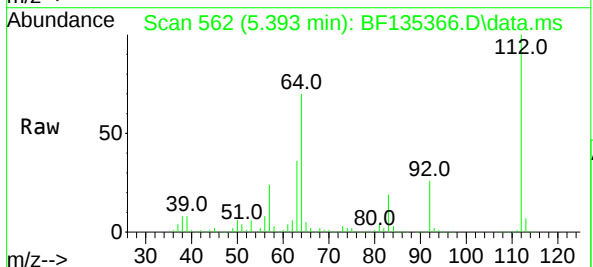
Tgt Ion:152 Resp: 134742
Ion Ratio Lower Upper
152 100
150 156.8 127.8 191.6
115 59.0 49.8 74.8

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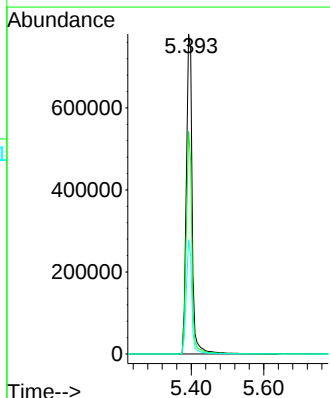
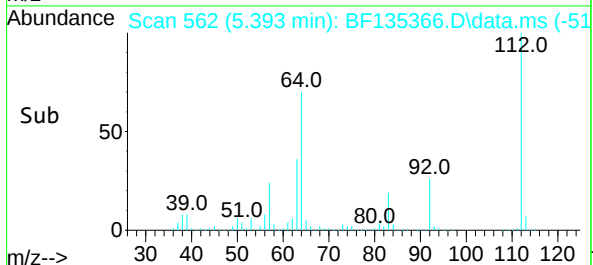
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

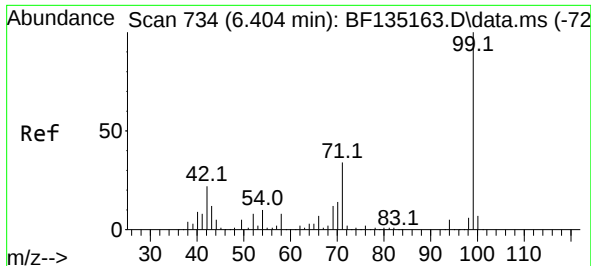


#5
2-Fluorophenol
Concen: 105.045 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47



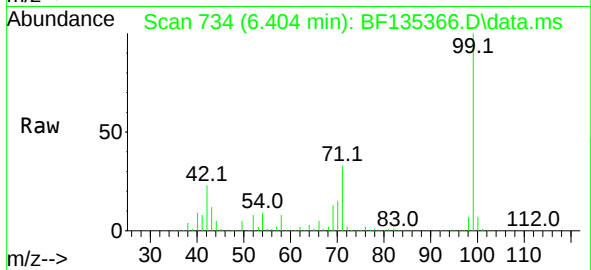
Tgt Ion:112 Resp: 870239
Ion Ratio Lower Upper
112 100
64 69.5 55.9 83.9
63 35.7 29.0 43.6





#7
Phenol-d6
Concen: 102.162 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

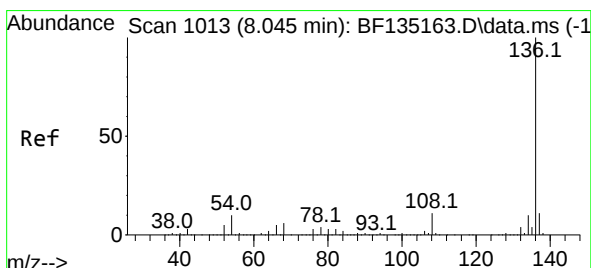
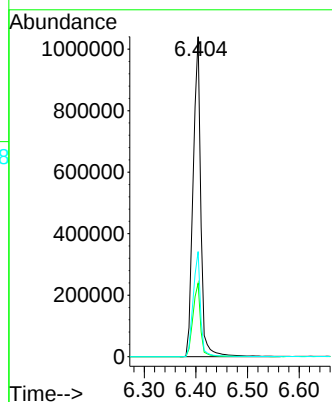
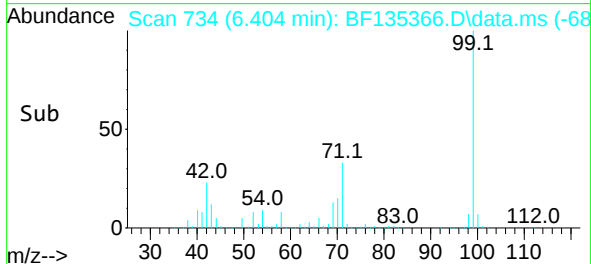
Instrument :
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B103-03



Tgt Ion: 99 Resp: 107619
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 32.9 27.0 40.6

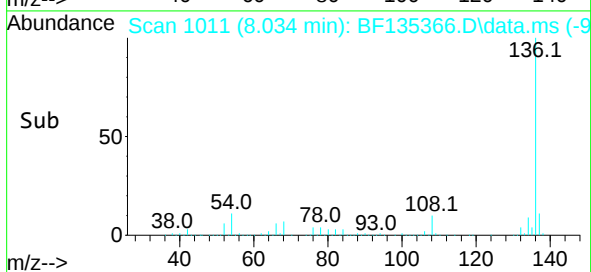
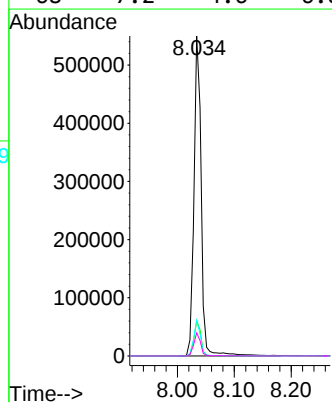
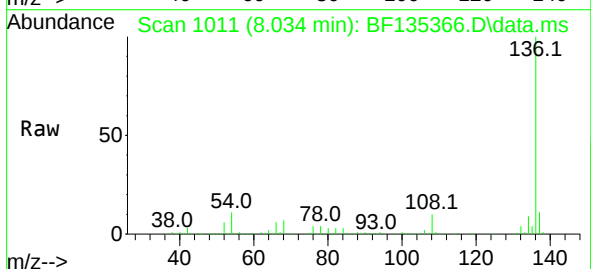
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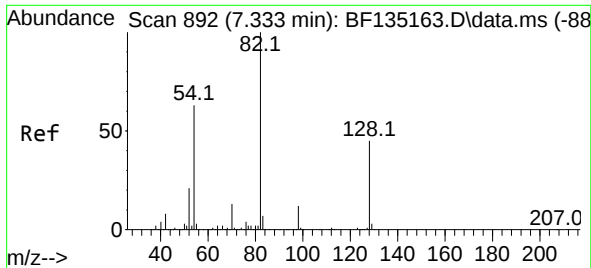
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

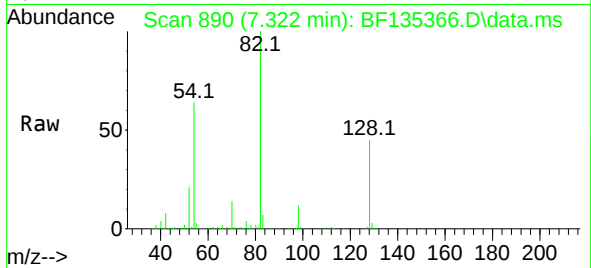
Tgt Ion:136 Resp: 487615
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.2 7.7 11.5
68 7.2 4.6 6.8#





#23
Nitrobenzene-d5
Concen: 72.846 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

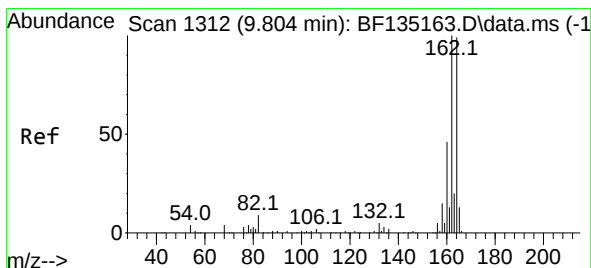
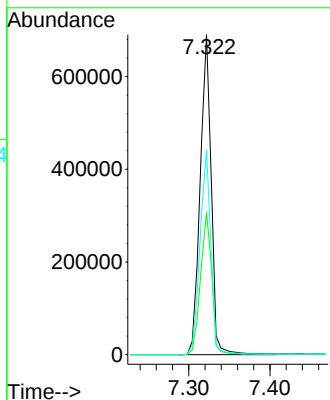
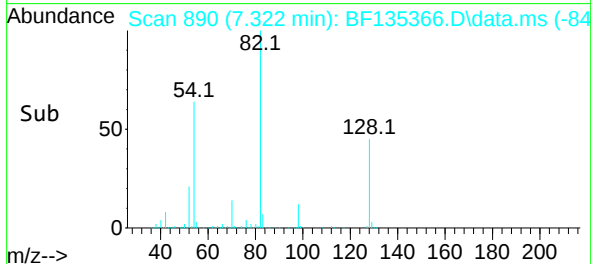
Instrument :
BNA_F
ClientSampleId :
B103-03



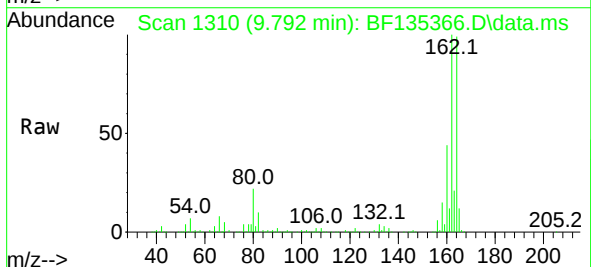
Tgt Ion: 82 Resp: 653800
Ion Ratio Lower Upper
82 100
128 44.5 35.8 53.6
54 64.0 50.6 76.0

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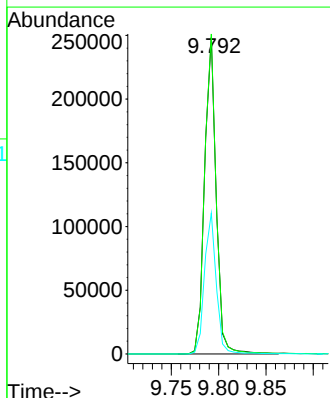
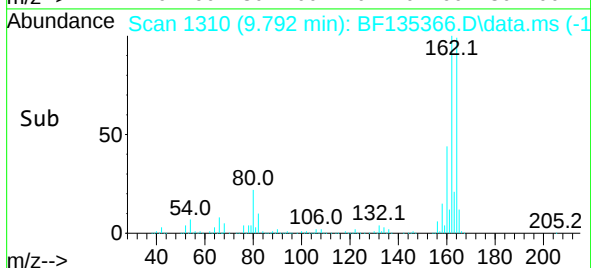
Reviewed By :Yogesh Patel 09/21/2023
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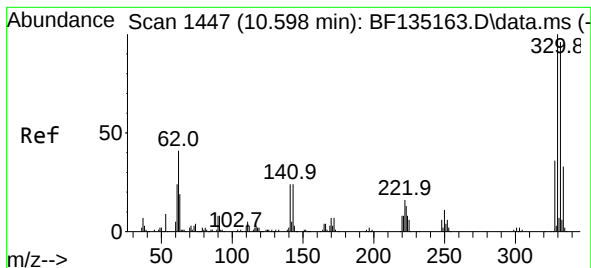


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47



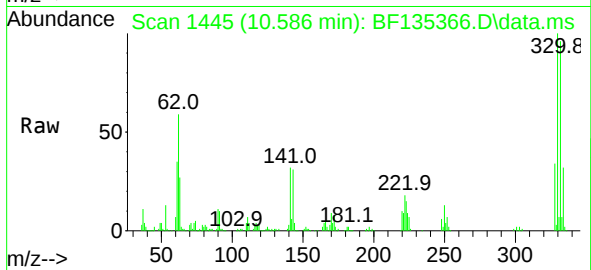
Tgt Ion:164 Resp: 211171
Ion Ratio Lower Upper
164 100
162 101.1 81.0 121.4
160 44.5 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 82.735 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

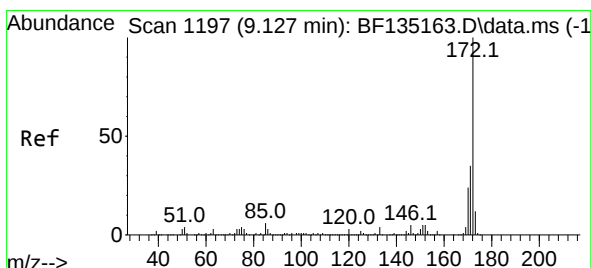
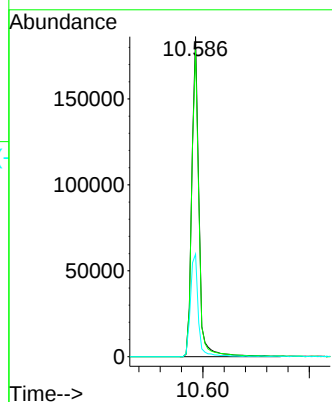
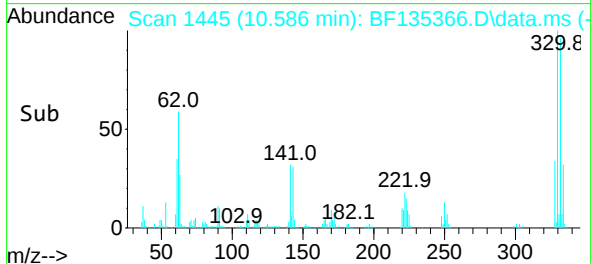
Instrument :
BNA_F
ClientSampleId :
B103-03



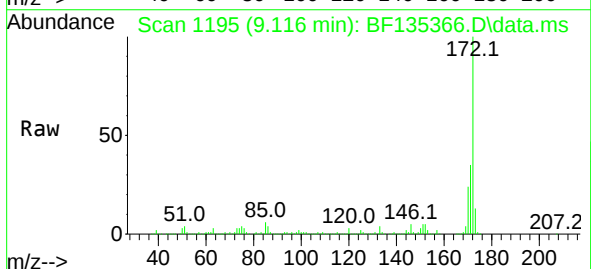
Tgt Ion: 330 Resp: 17362
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 35.1 25.8 38.8

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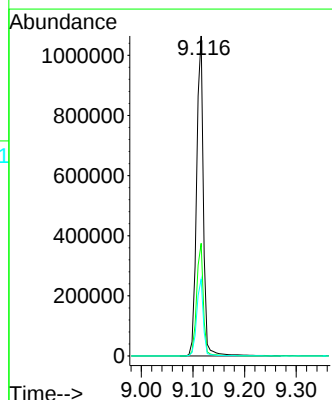
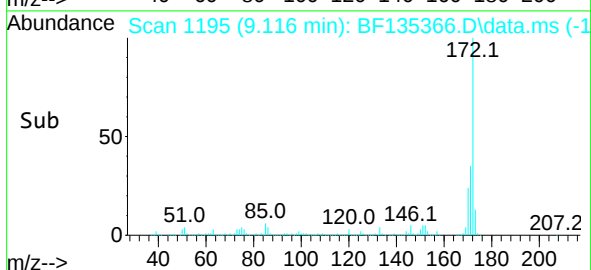
Reviewed By : Yogesh Patel 09/21/2023
Supervised By : mohammad ahmed 09/21/2023

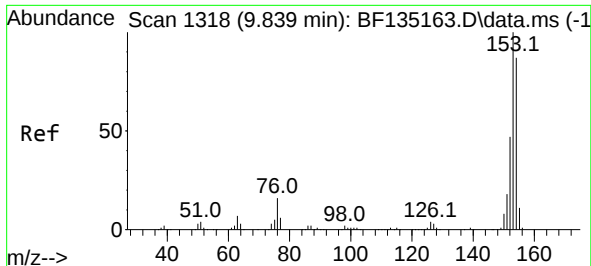


#45
2-Fluorobiphenyl
Concen: 69.409 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47



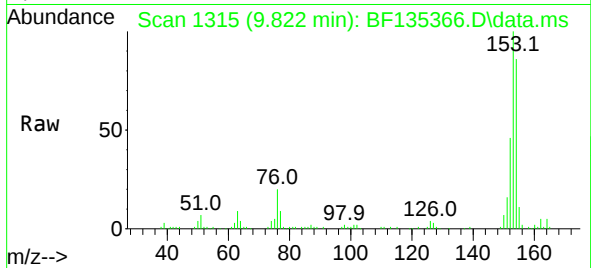
Tgt Ion: 172 Resp: 971493
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 24.0 19.0 28.4





#52
Acenaphthene
Concen: 3.013 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

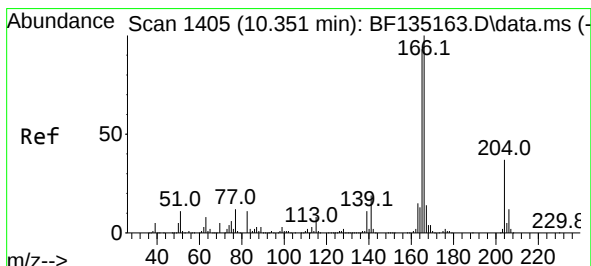
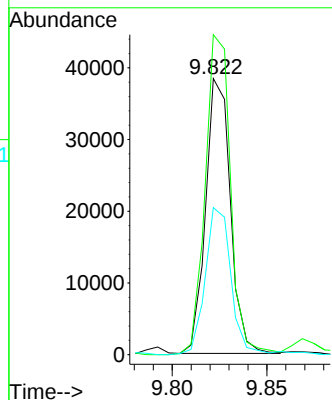
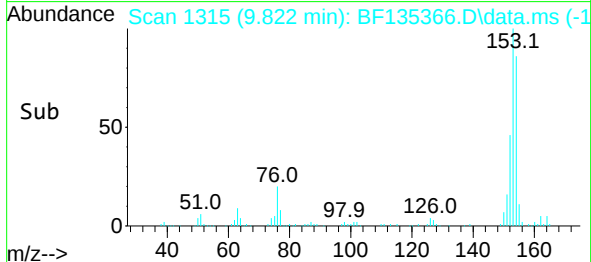
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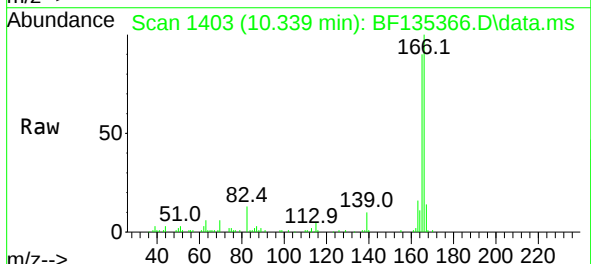
Tgt Ion:154 Resp: 3482
Ion Ratio Lower Upper
154 100
153 115.8 92.1 138.1
152 53.2 43.1 64.7

Manual Integrations
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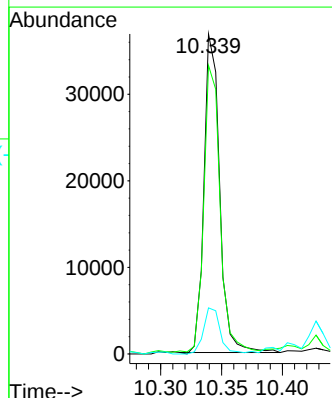
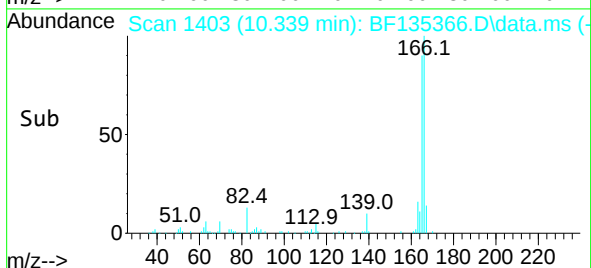
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

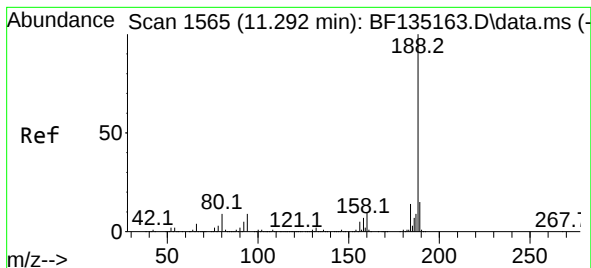


#58
Fluorene
Concen: 2.421 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47



Tgt Ion:166 Resp: 32827
Ion Ratio Lower Upper
166 100
165 90.2 74.3 111.5
167 14.4 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:188 Resp: 32455

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

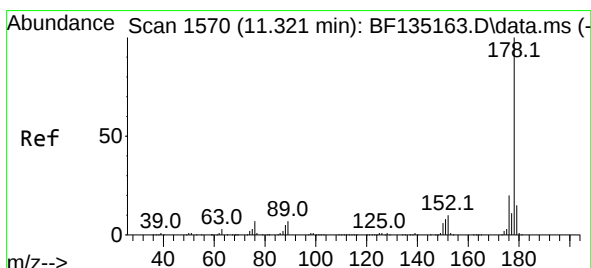
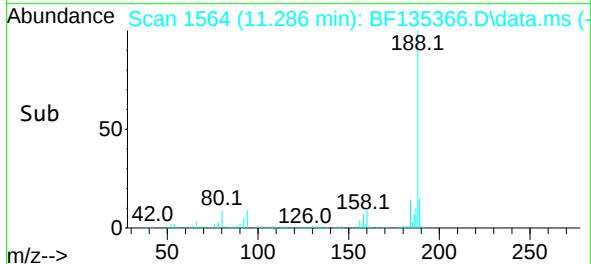
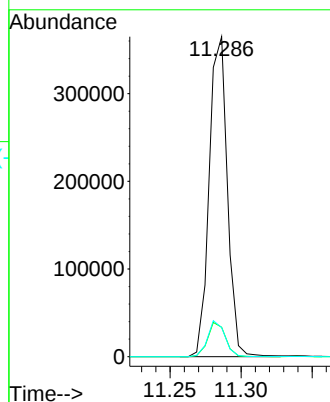
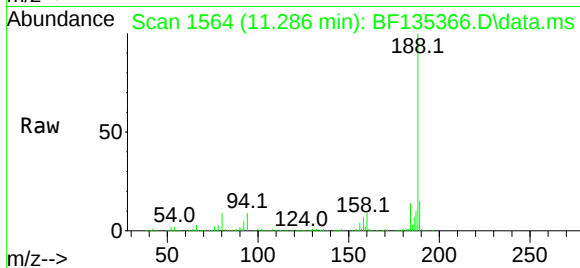
80 9.1 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#71

Phenanthrene

Concen: 21.551 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

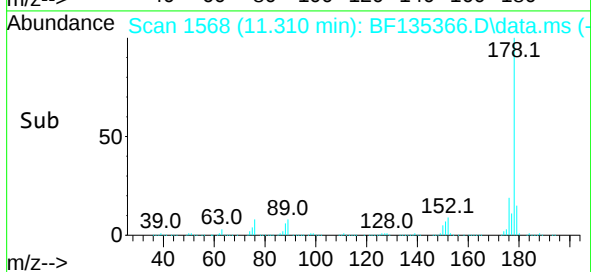
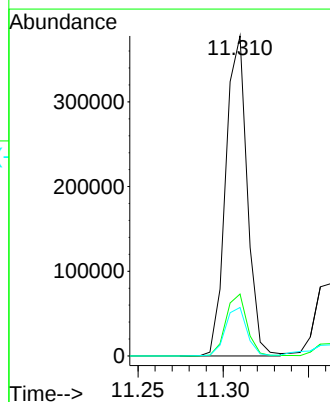
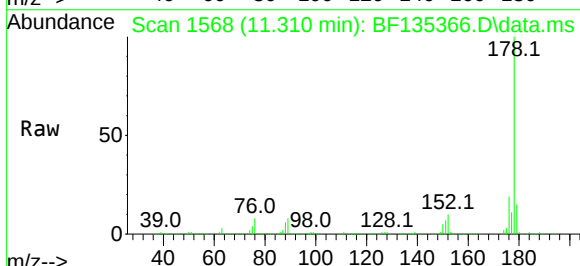
Tgt Ion:178 Resp: 330803

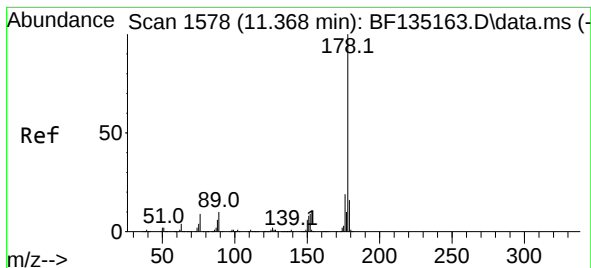
Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.1 12.0 18.0





#72

Anthracene

Concen: 4.972 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135366.D

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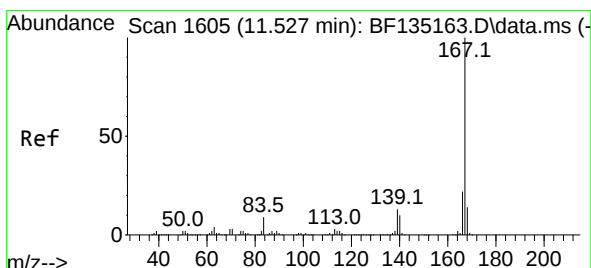
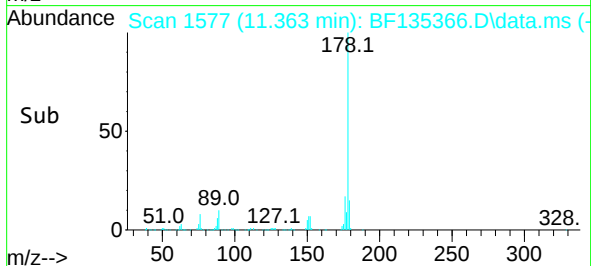
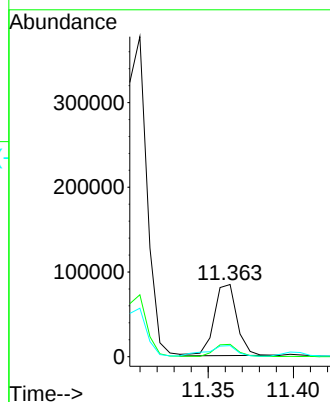
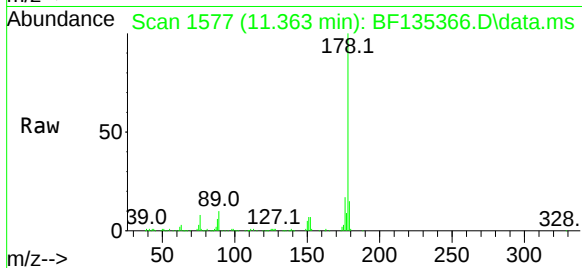
B103-03

Tgt Ion:178	Resp:	7845
Ion Ratio	Lower	Upper
178	100	
176	17.1	15.4 23.2
179	15.2	12.6 19.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#73

Carbazole

Concen: 2.859 ng

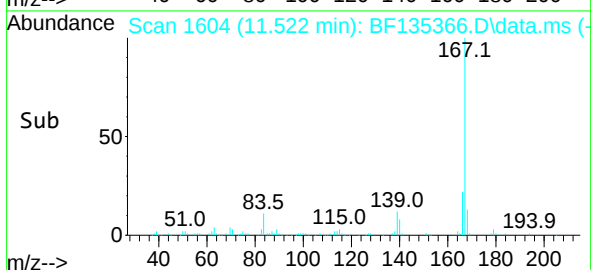
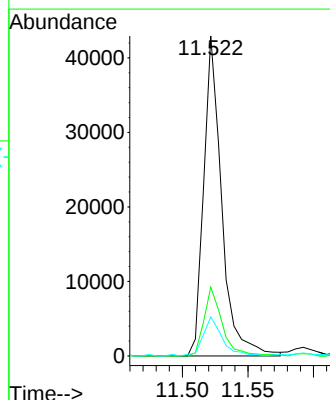
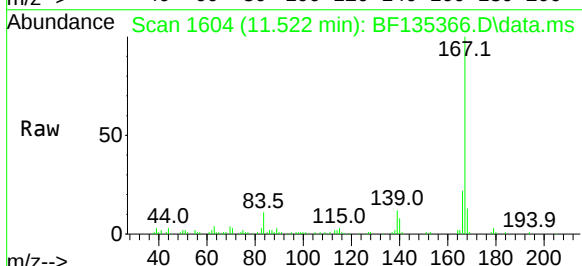
RT: 11.522 min Scan# 1604

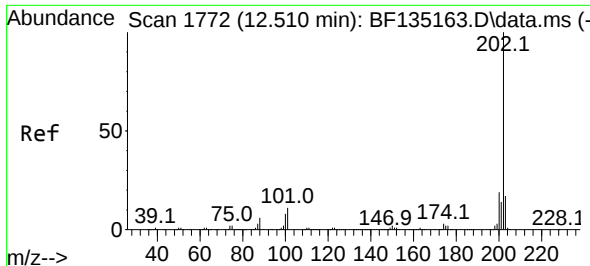
Delta R.T. -0.006 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

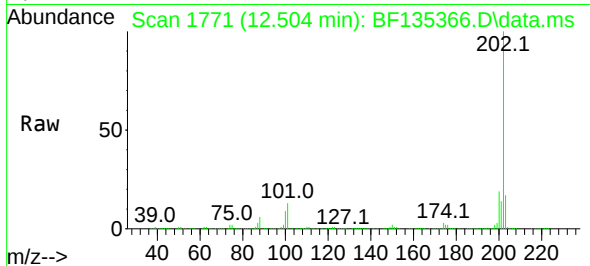
Tgt Ion:167	Resp:	41061
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.4 26.0
139	12.2	10.6 15.8





#75
Fluoranthene
Concen: 29.700 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

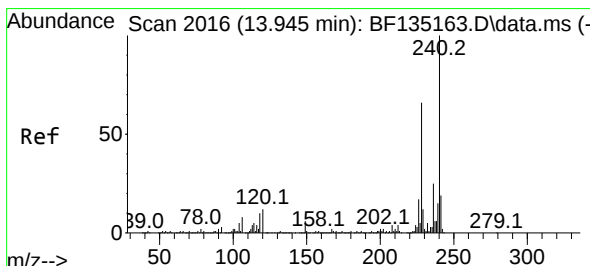
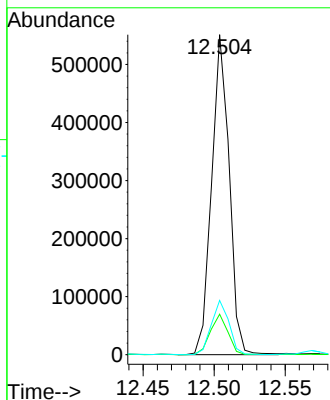
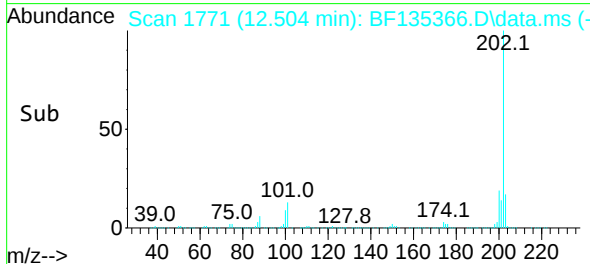
Instrument :
BNA_F
ClientSampleId :
B103-03



Tgt Ion:202 Resp: 47504
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.3
203 16.9 0.0 37.4

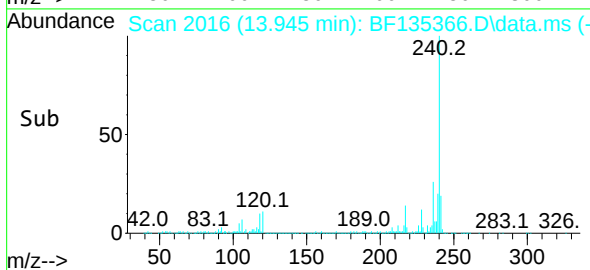
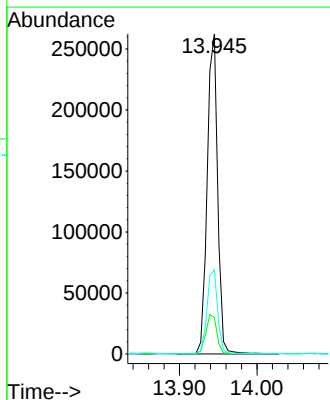
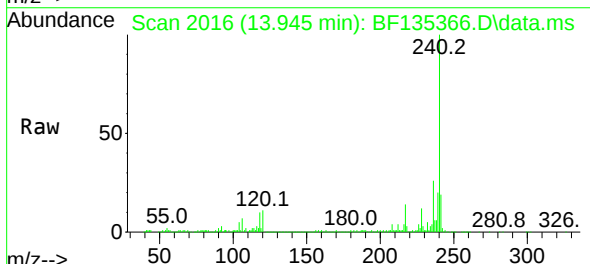
Manual Integrations
APPROVED

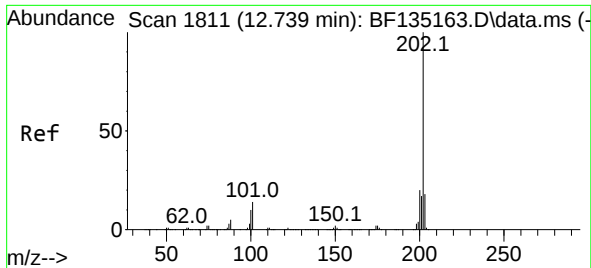
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

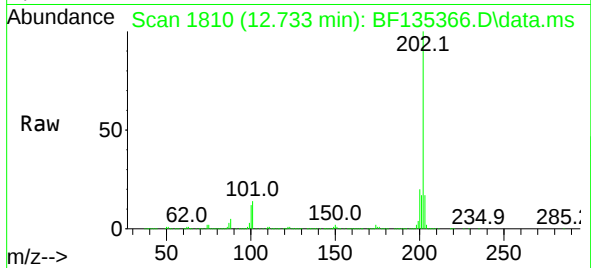
Tgt Ion:240 Resp: 245296
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 26.4 19.8 29.8





#78
Pyrene
Concen: 17.148 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

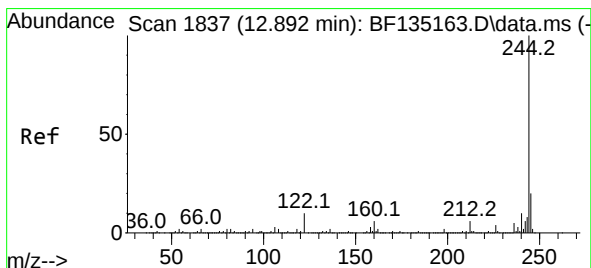
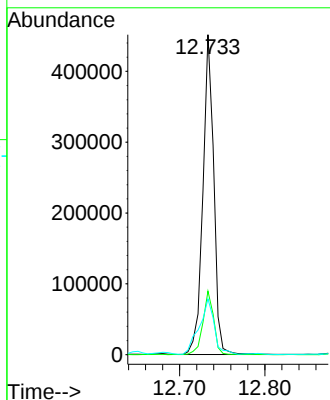
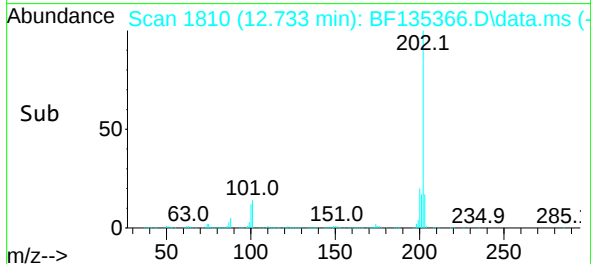
Instrument :
BNA_F
ClientSampleId :
B103-03



Tgt Ion:202 Resp: 400478
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 17.5 14.2 21.4

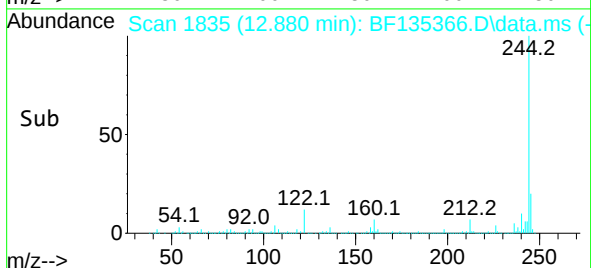
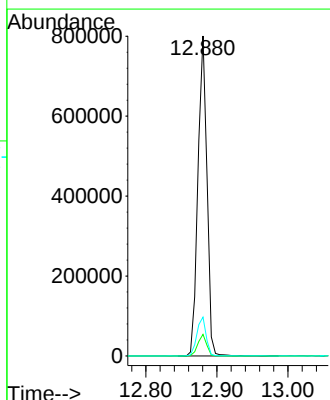
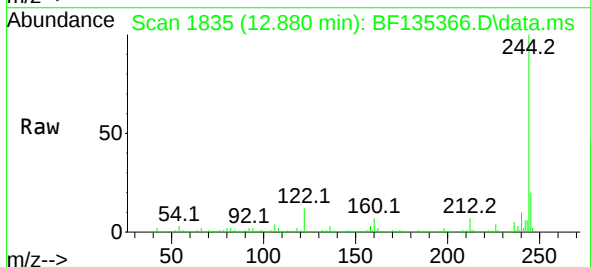
Manual Integrations
APPROVED

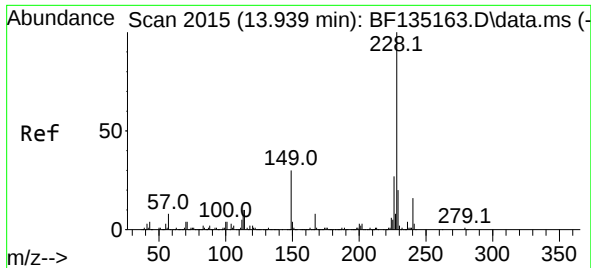
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#79
Terphenyl-d14
Concen: 44.808 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

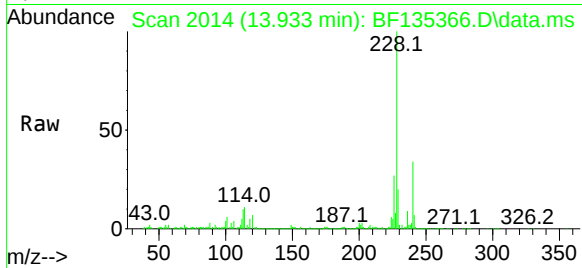
Tgt Ion:244 Resp: 709020
Ion Ratio Lower Upper
244 100
212 6.7 5.1 7.7
122 12.1 7.9 11.9#





#81
Benzo(a)anthracene
Concen: 13.756 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

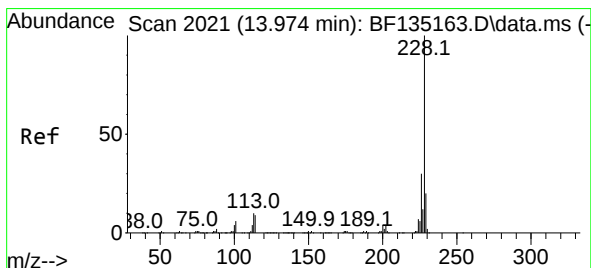
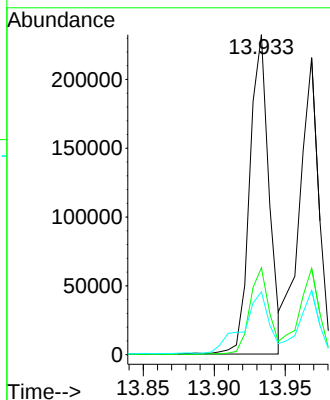
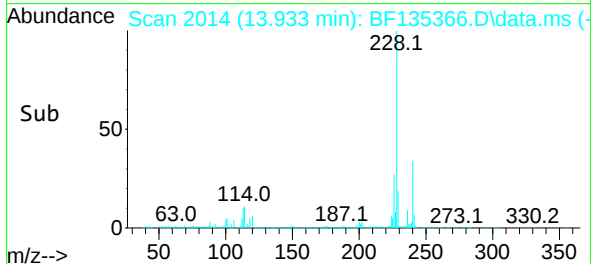
Instrument :
BNA_F
ClientSampleId :
B103-03



Tgt Ion:228 Resp: 21788
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 19.7 15.8 23.8

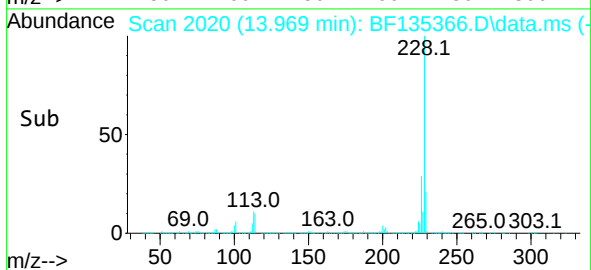
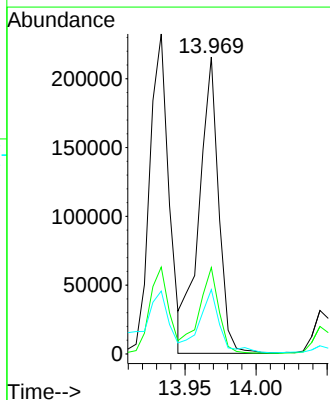
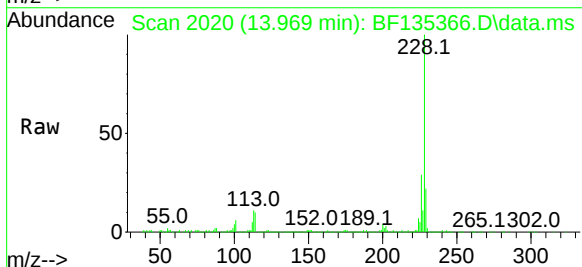
Manual Integrations
APPROVED

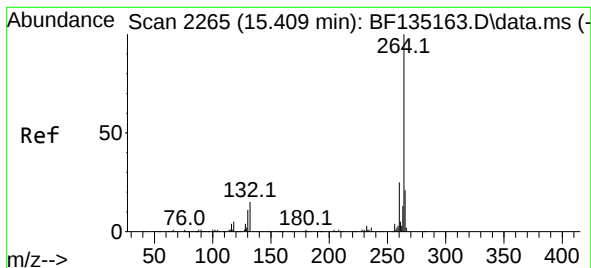
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#83
Chrysene
Concen: 13.148 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion:228 Resp: 207050
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 21.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135366.D

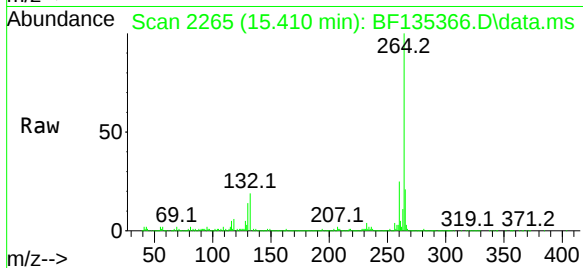
Acq: 20 Sep 2023 19:47

Instrument :

BNA_F

ClientSampleId :

B103-03



Tgt Ion:264 Resp: 249104

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.6

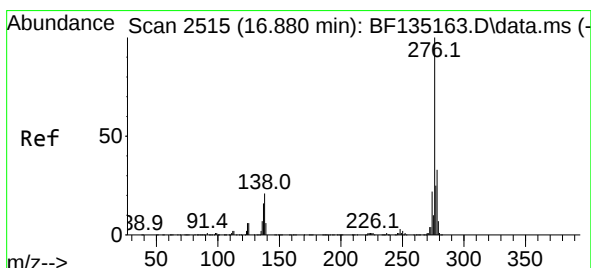
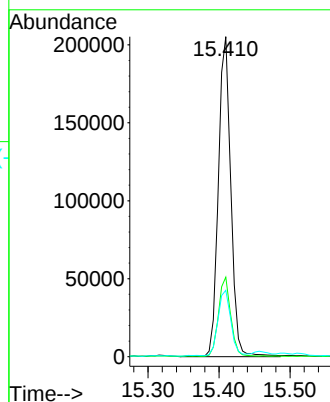
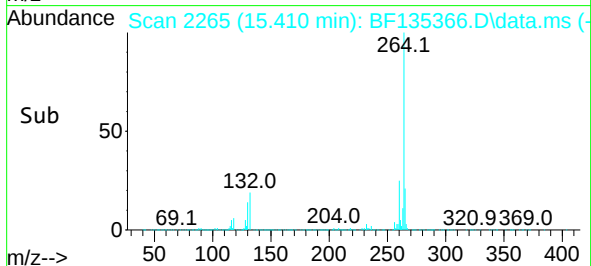
265 20.8 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.066 ng

RT: 16.886 min Scan# 2516

Delta R.T. 0.006 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

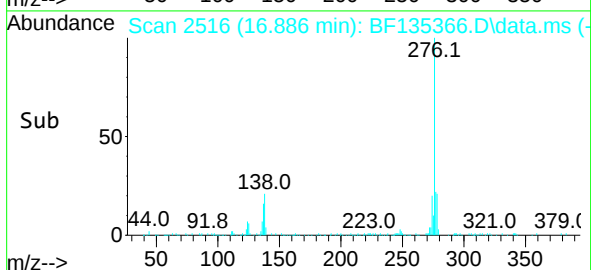
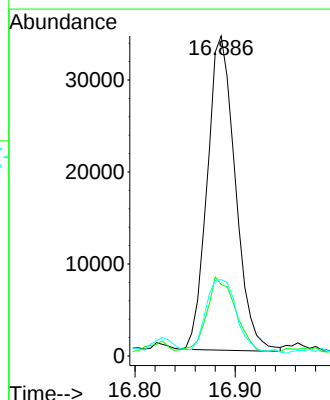
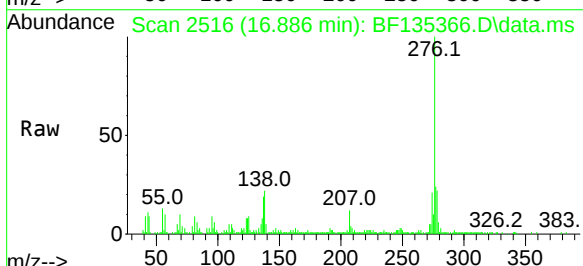
Tgt Ion:276 Resp: 66415

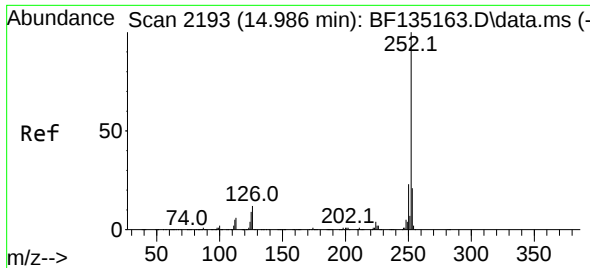
Ion Ratio Lower Upper

276 100

138 23.8 19.2 28.8

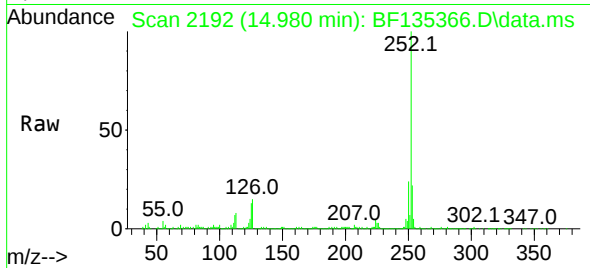
277 26.2 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 16.039 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

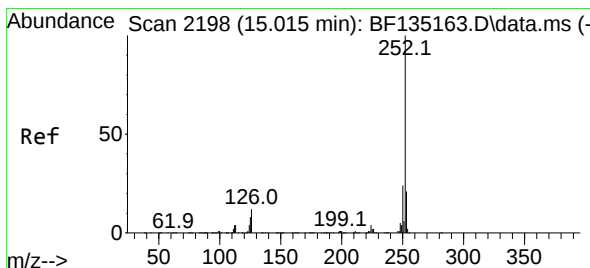
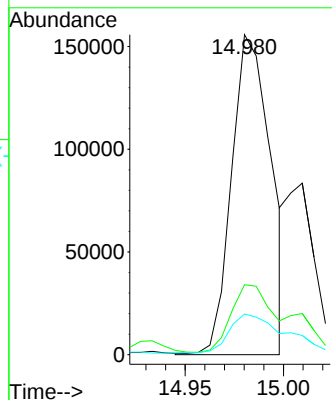
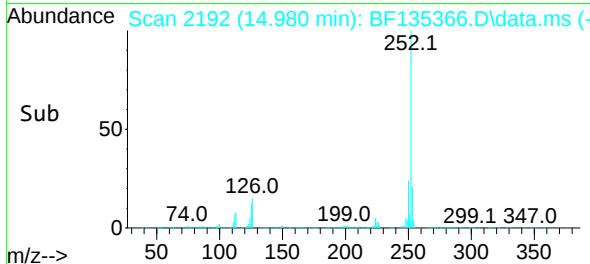
Instrument :
BNA_F
ClientSampleId :
B103-03



Tgt Ion:252 Resp: 21628
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 12.7 7.1 10.7

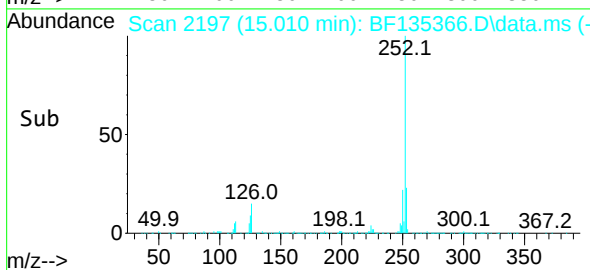
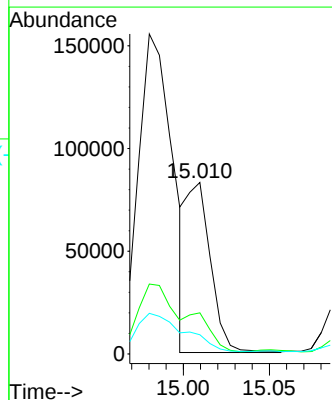
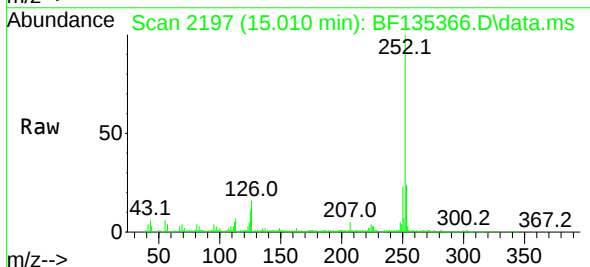
Manual Integrations
APPROVED

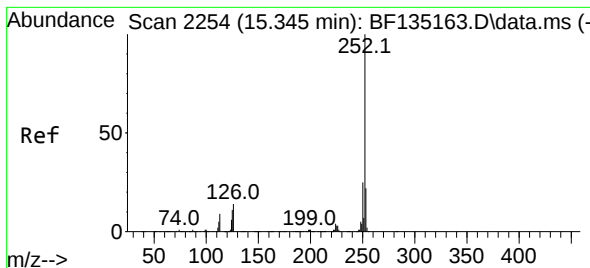
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#89
Benzo(k)fluoranthene
Concen: 6.075 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF135366.D
Acq: 20 Sep 2023 19:47

Tgt Ion:252 Resp: 80922
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 11.2 7.2 10.8





#90

Benzo(a)pyrene

Concen: 10.791 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

Instrument :

BNF

ClientSampleId :

B103-03

Tgt Ion:252 Resp: 13876

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

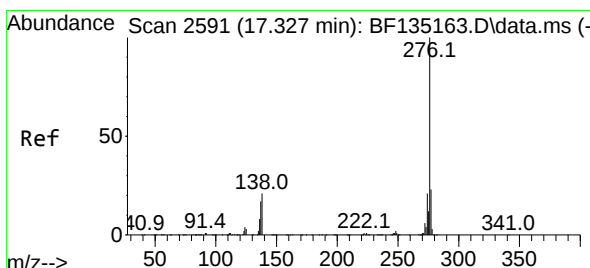
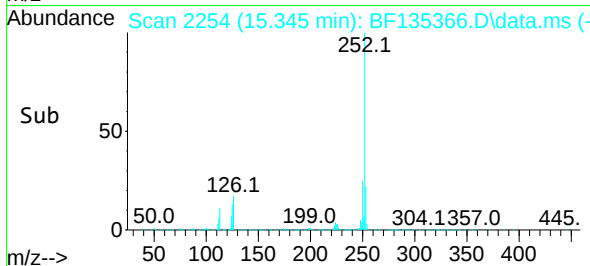
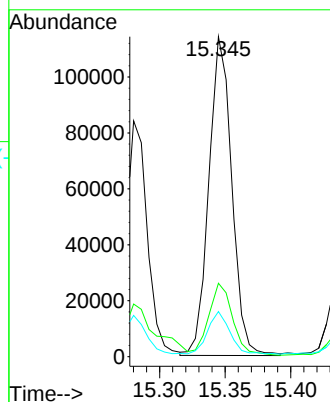
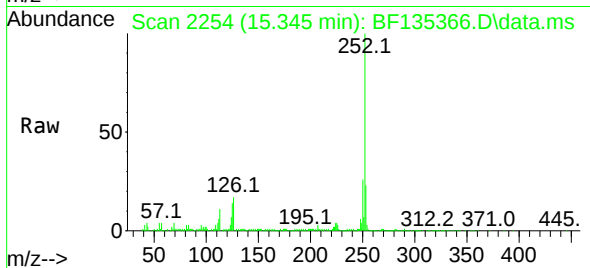
125 14.1 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#92

Benzo(g,h,i)perylene

Concen: 4.370 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF135366.D

Acq: 20 Sep 2023 19:47

Tgt Ion:276 Resp: 60997

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 27.3 16.9 25.3

