

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134235.D
 Acq On : 12 Jul 2023 03:21
 Operator : CG\JU
 Sample : 03375-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

Quant Time: Jul 12 03:56:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	91612	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	325766	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	132929	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	226717	20.000	ng	0.00
76) Chrysene-d12	14.045	240	147804	20.000	ng	0.00
86) Perylene-d12	15.557	264	131304	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	125356	22.889	ng	0.00
7) Phenol-d6	6.481	99	145220	21.561	ng	0.00
23) Nitrobenzene-d5	7.404	82	87912	14.547	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	32431	19.459	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	162420	17.764	ng	0.00
79) Terphenyl-d14	12.974	244	139045	15.140	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.663	82	255486	23.261	ng	99
49) Acenaphthylene	9.745	152	30158	2.263	ng	96
71) Phenanthrene	11.404	178	68868	6.034	ng	98
75) Fluoranthene	12.604	202	142055	11.513	ng	96
78) Pyrene	12.833	202	119181	8.664	ng	97
80) Butylbenzylphthalate	13.457	149	435779	84.472	ng	96
81) Benzo(a)anthracene	14.033	228	46517m	4.538	ng	
83) Chrysene	14.068	228	61735	6.218	ng	95
84) Bis(2-ethylhexyl)phtha...	14.015	149	19370	3.268	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.103	276	44446	4.878	ng	98
88) Benzo(b)fluoranthene	15.104	252	92545m	11.986	ng	
89) Benzo(k)fluoranthene	15.133	252	23844m	3.033	ng	
90) Benzo(a)pyrene	15.486	252	50226	6.727	ng	# 92
92) Benzo(g,h,i)perylene	17.574	276	41969	5.469	ng	# 92

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

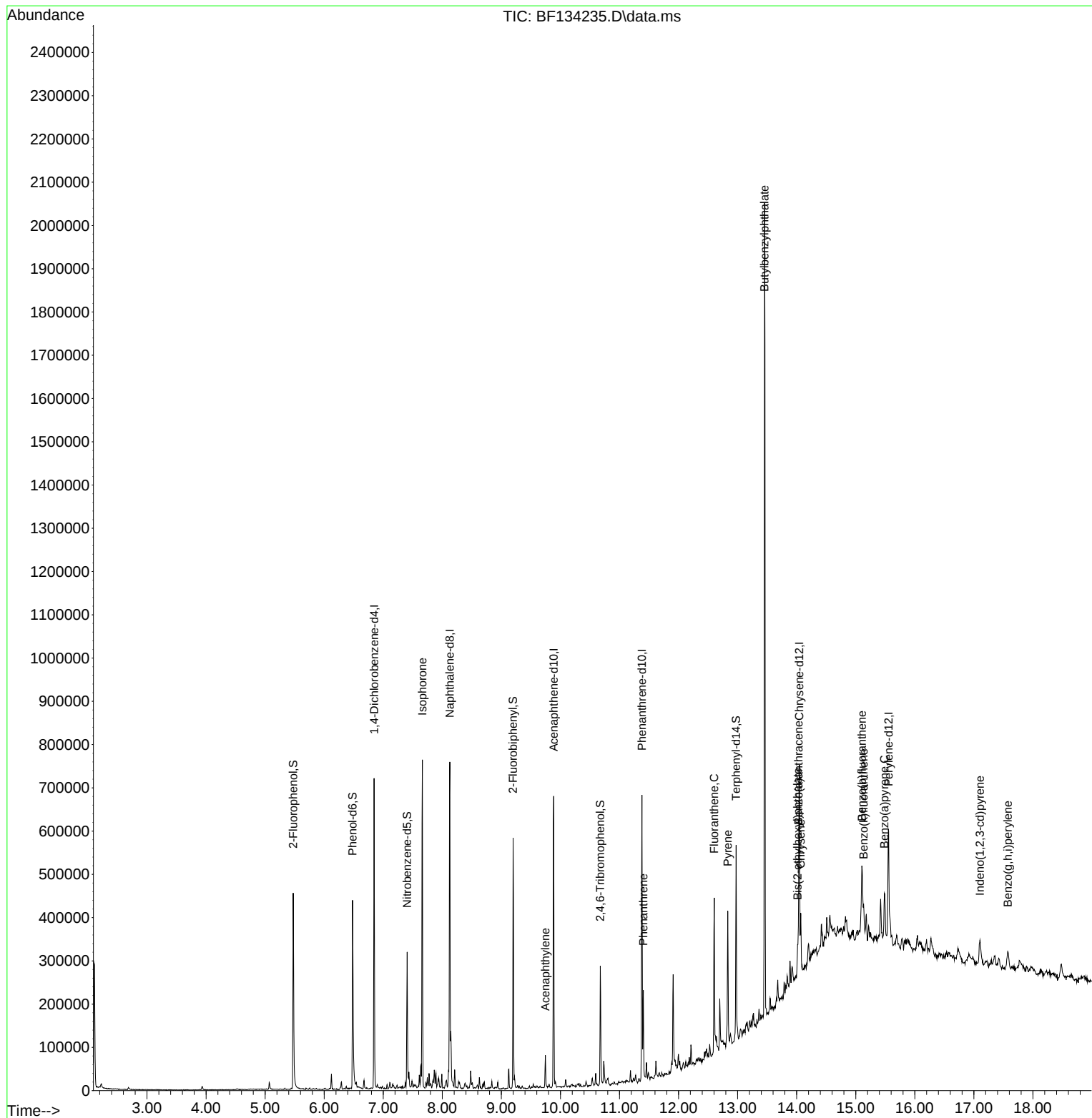
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134235.D
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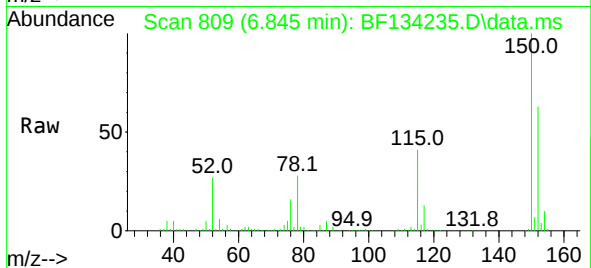
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

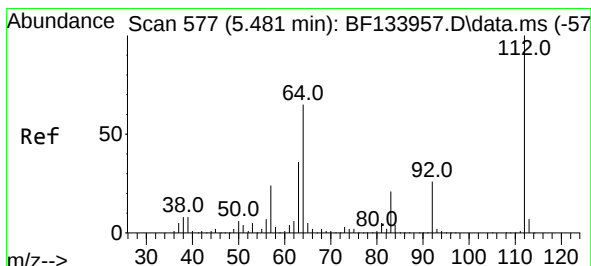
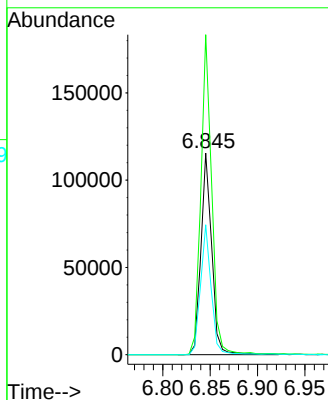
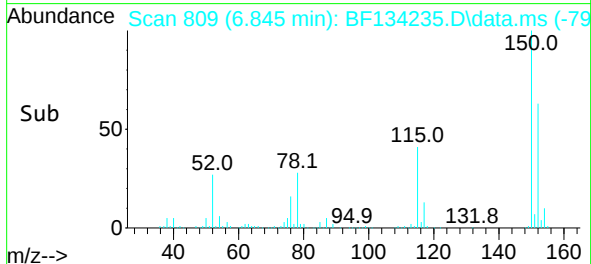
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)



Tgt Ion:152 Resp: 91612
Ion Ratio Lower Upper
152 100
150 158.8 124.5 186.7
115 64.5 50.2 75.2

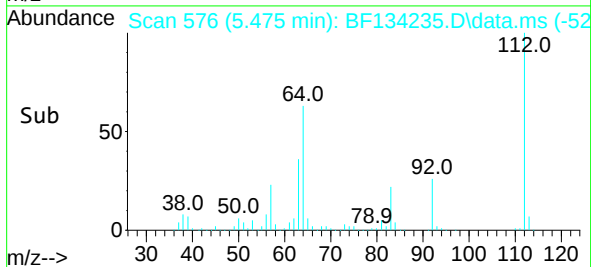
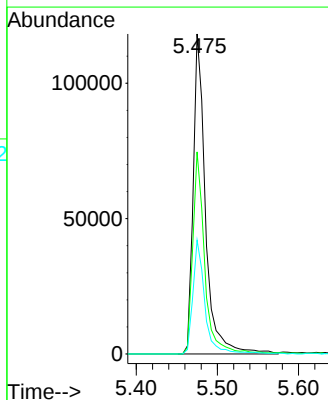
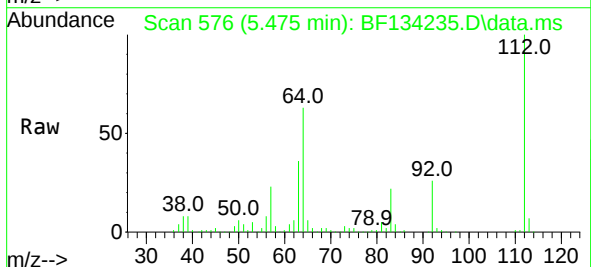
Manual Integrations
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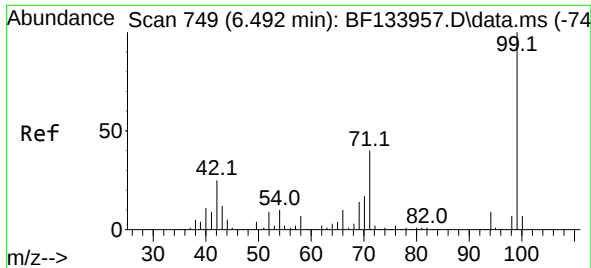
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#5
2-Fluorophenol
Concen: 22.889 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

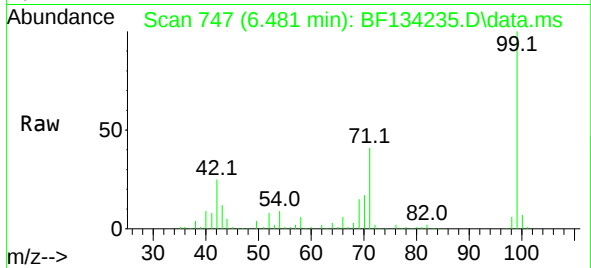
Tgt Ion:112 Resp: 125356
Ion Ratio Lower Upper
112 100
64 63.2 52.1 78.1
63 35.6 28.6 42.8





#7
Phenol-d6
Concen: 21.561 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

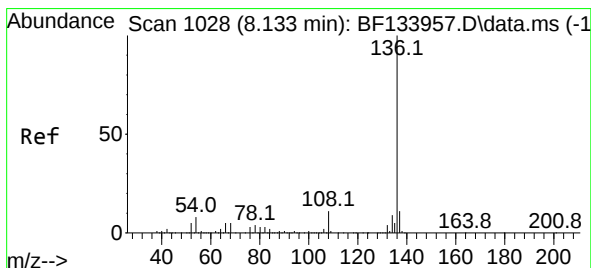
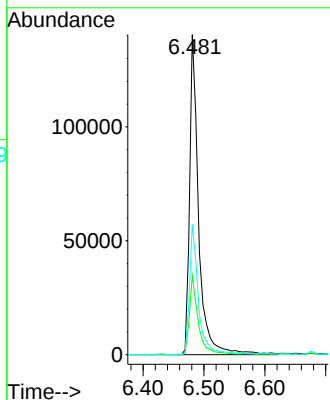
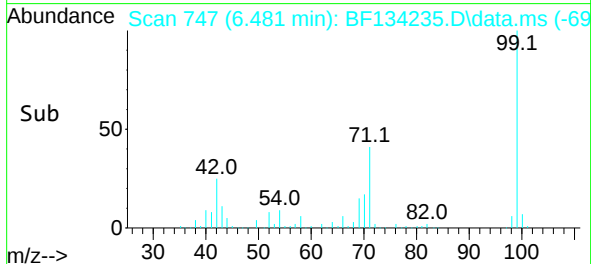
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)



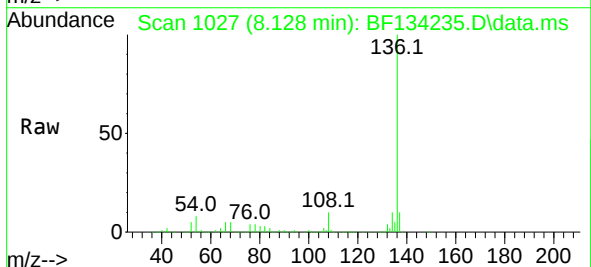
Tgt Ion: 99 Resp: 145220
Ion Ratio Lower Upper
99 100
42 24.6 19.8 29.6
71 40.7 31.9 47.9

Manual Integrations
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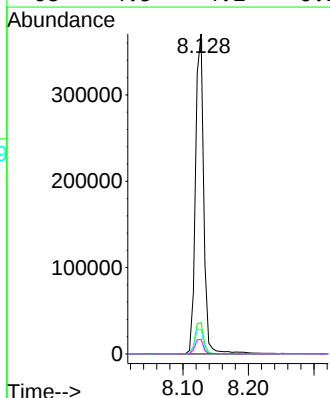
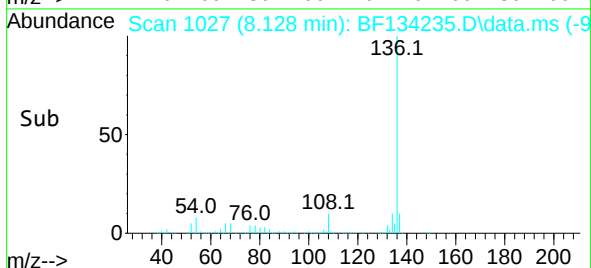
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

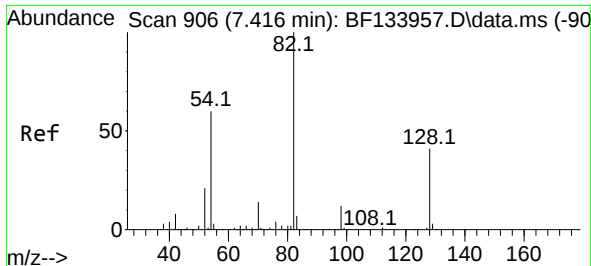


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21



Tgt Ion:136 Resp: 325766
Ion Ratio Lower Upper
136 100
137 9.8 8.6 12.8
54 7.6 6.5 9.7
68 4.5 4.2 6.2





#23
Nitrobenzene-d5
Concen: 14.547 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

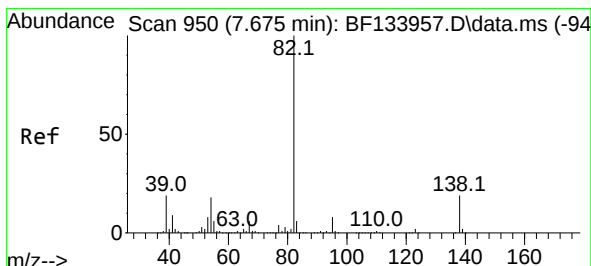
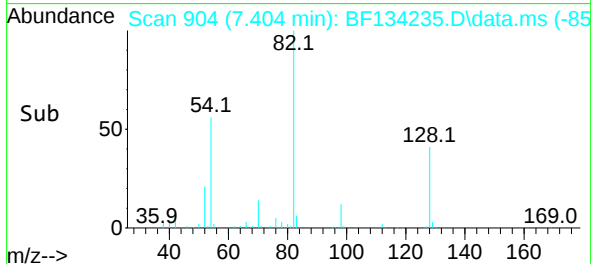
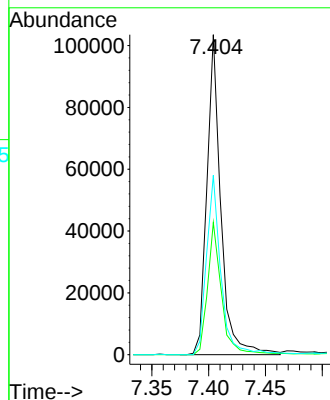
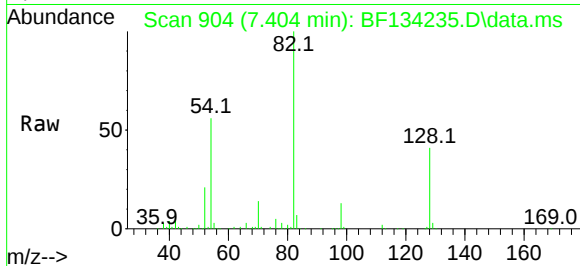
ClientSampleId :

SB-2(0-2)

Tgt Ion: 82 Resp: 87912
Ion Ratio Lower Upper
82 100
128 41.3 32.5 48.7
54 56.0 48.2 72.2

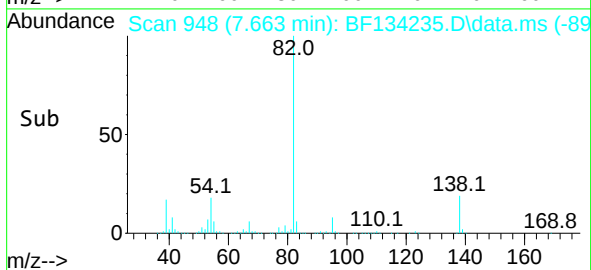
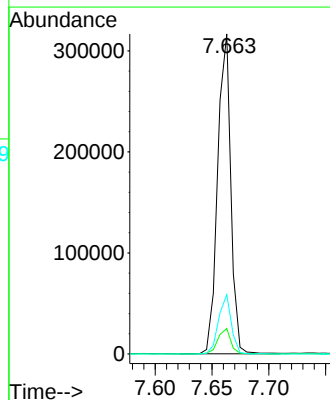
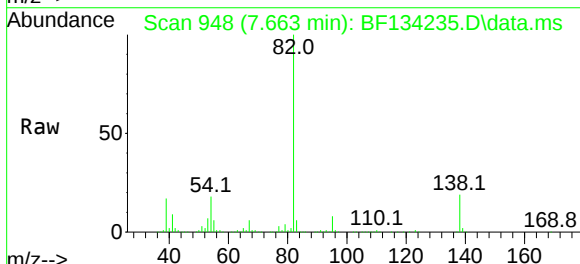
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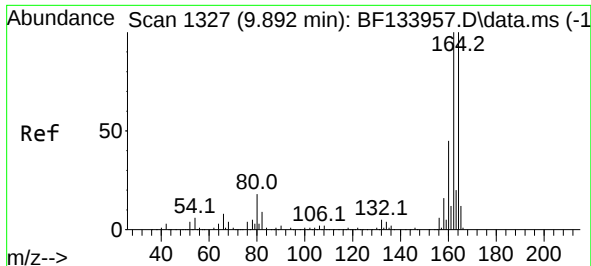
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#25
Isophorone
Concen: 23.261 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

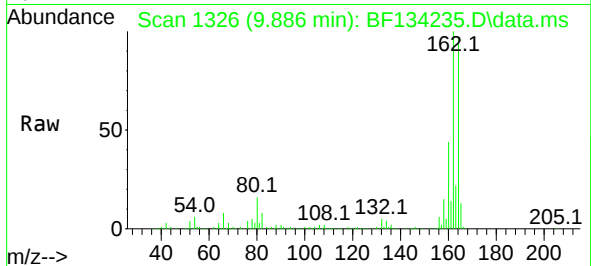
Tgt Ion: 82 Resp: 255486
Ion Ratio Lower Upper
82 100
95 7.9 6.1 9.1
138 18.5 15.2 22.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

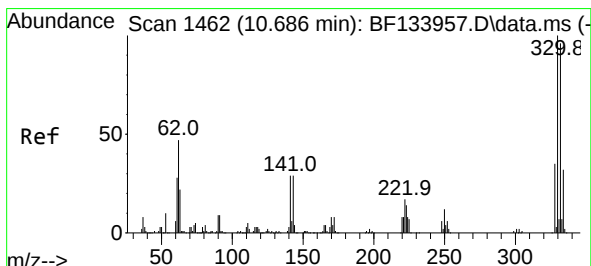
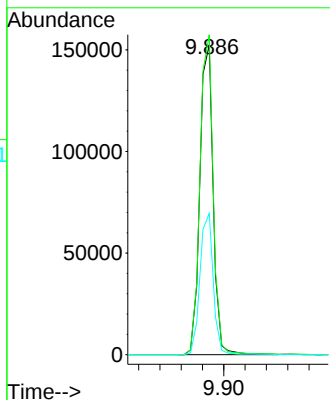
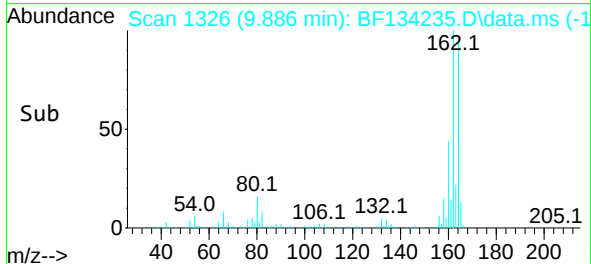
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)



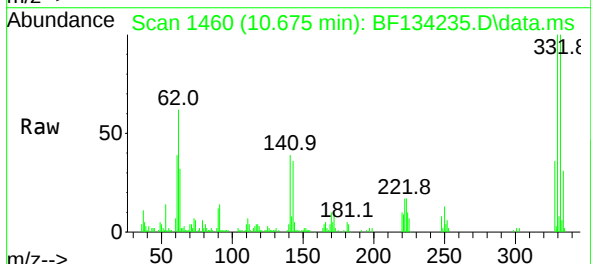
Tgt Ion:164 Resp: 132929
Ion Ratio Lower Upper
164 100
162 103.3 80.0 120.0
160 45.6 35.9 53.9

Manual Integrations
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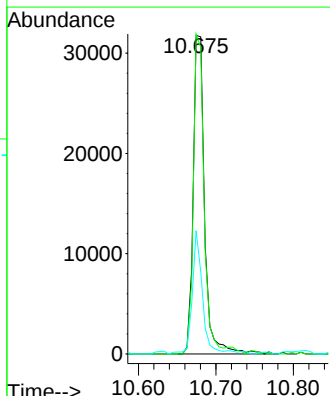
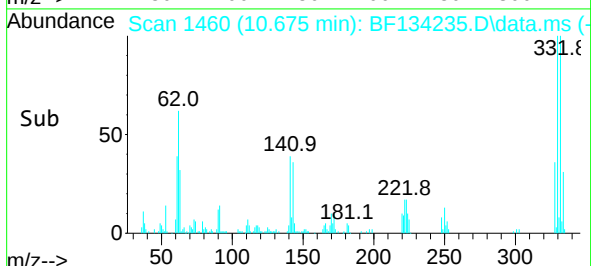
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

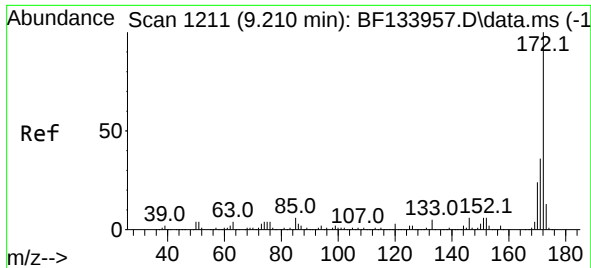


#42
2,4,6-Tribromophenol
Concen: 19.459 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21



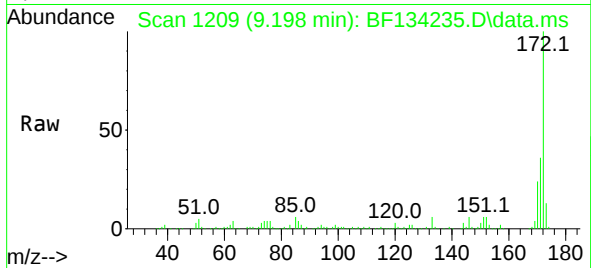
Tgt Ion:330 Resp: 32431
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 35.2 26.3 39.5





#45
2-Fluorobiphenyl
Concen: 17.764 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

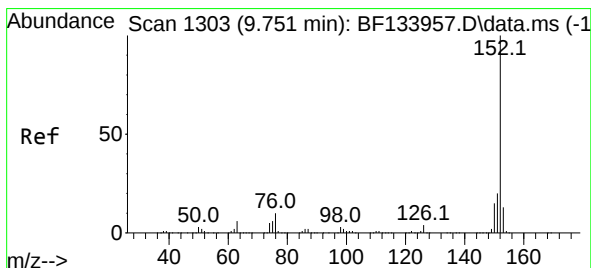
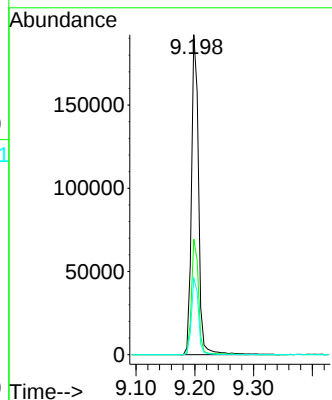
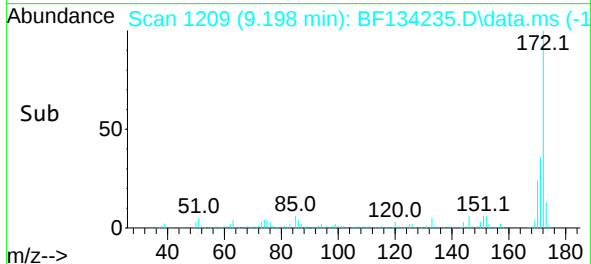
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)



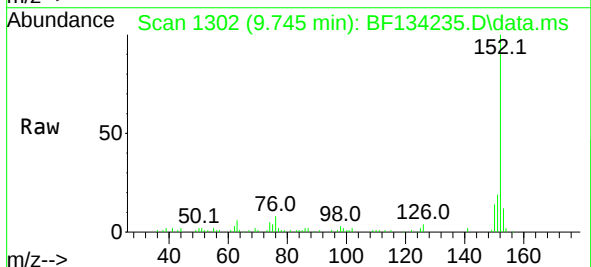
Tgt Ion:172 Resp: 162420
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.9 19.4 29.0

Manual Integrations
APPROVED

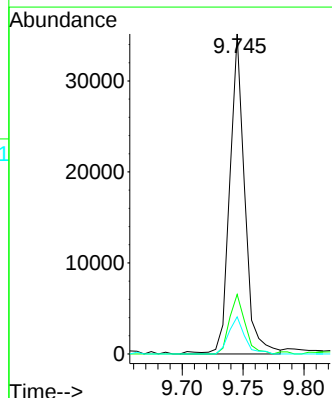
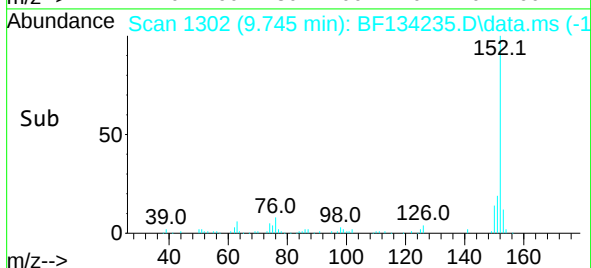
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

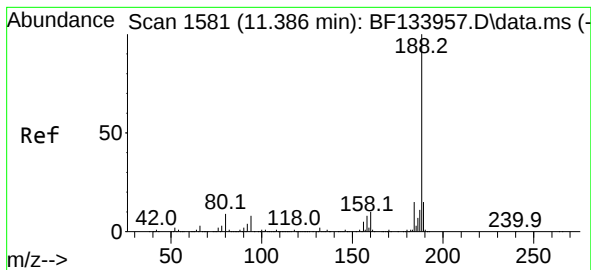


#49
Acenaphthylene
Concen: 2.263 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21



Tgt Ion:152 Resp: 30158
Ion Ratio Lower Upper
152 100
151 18.6 16.2 24.2
153 11.6 10.8 16.2





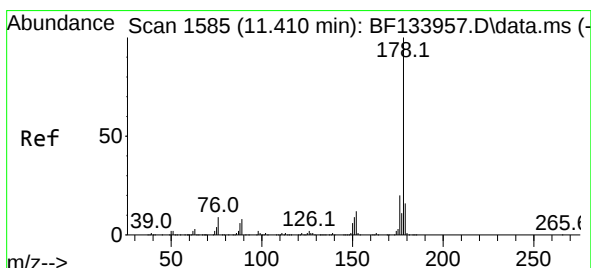
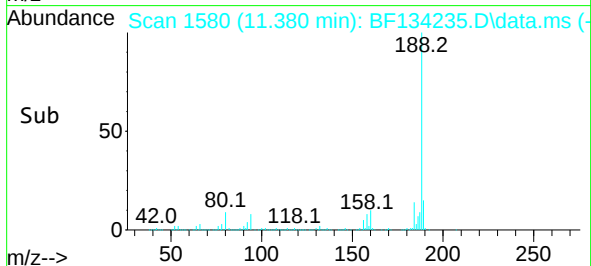
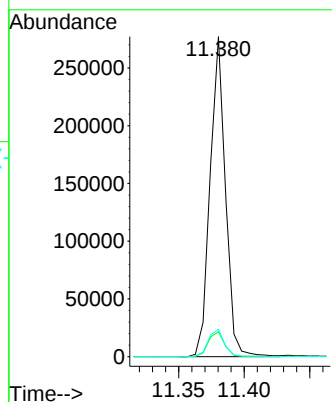
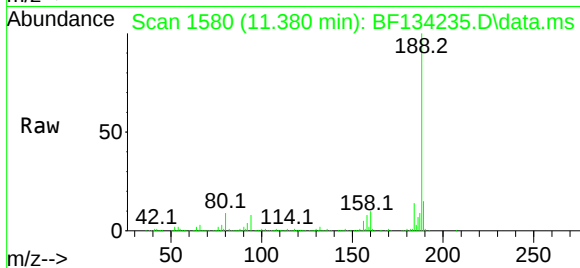
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)

Tgt Ion:188 Resp: 22671
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.5 7.3 10.9

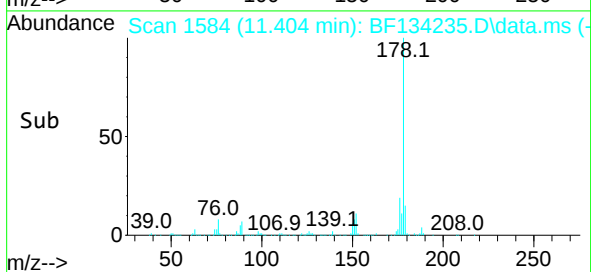
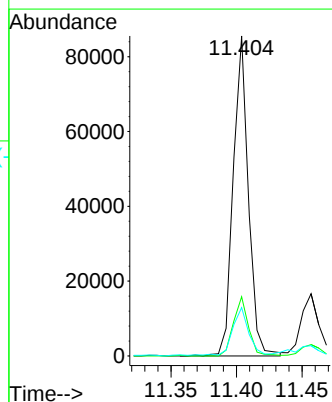
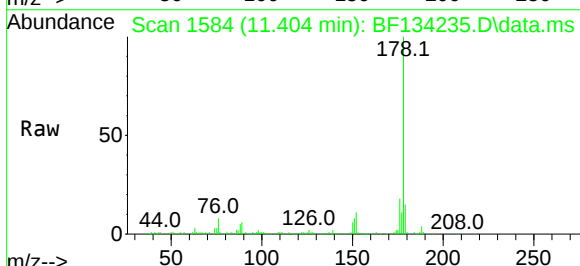
Manual Integrations
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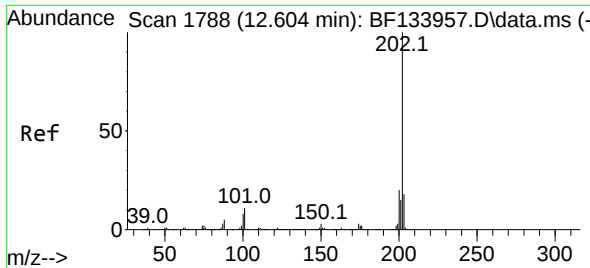
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#71
Phenanthrene
Concen: 6.034 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

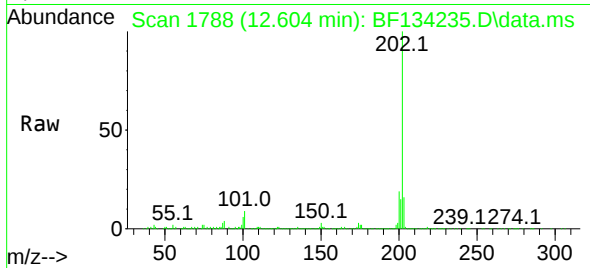
Tgt Ion:178 Resp: 68868
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.1 12.4 18.6





#75
Fluoranthene
Concen: 11.513 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

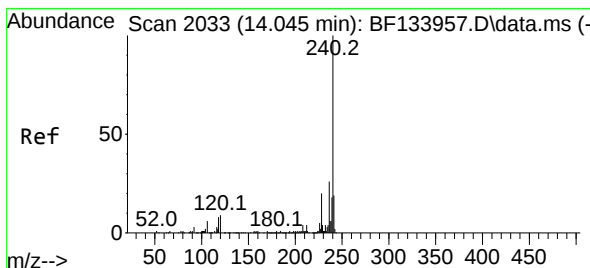
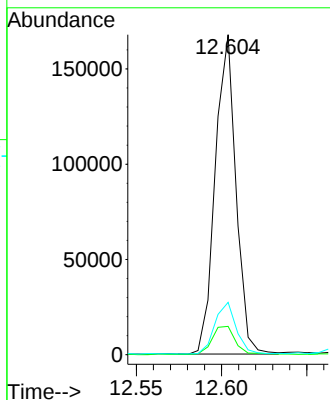
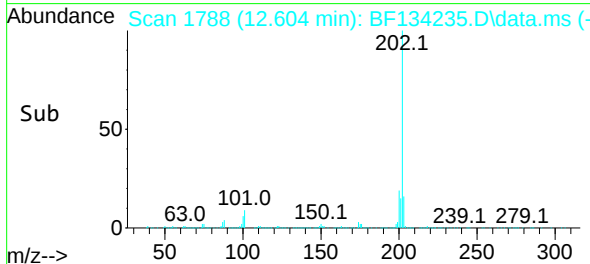
Instrument :
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SB-2(0-2)



Tgt Ion:202 Resp: 14205
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.0
203 16.4 0.0 37.6

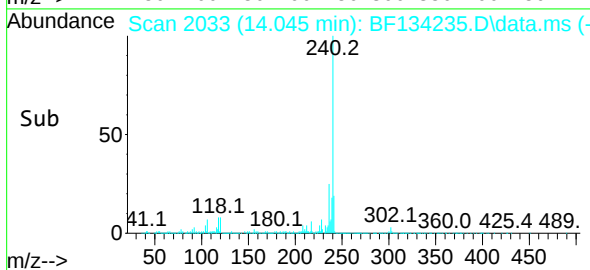
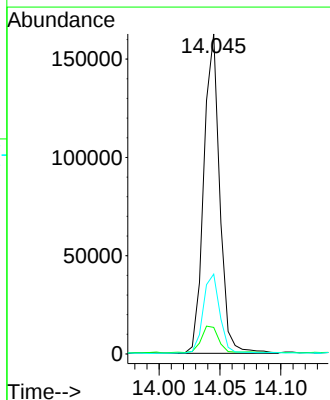
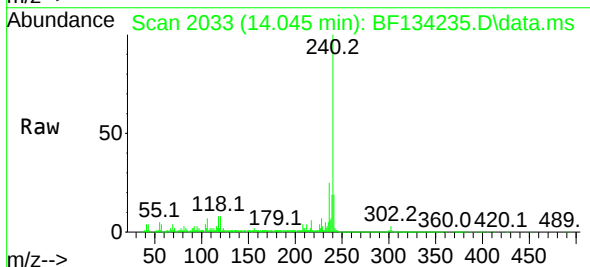
Manual Integrations
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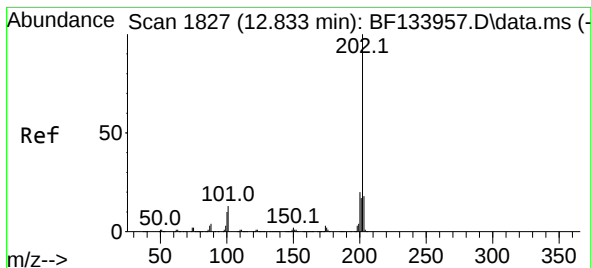
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

Tgt Ion:240 Resp: 147804
Ion Ratio Lower Upper
240 100
120 8.3 7.4 11.0
236 24.9 21.0 31.6





#78

Pyrene

Concen: 8.664 ng

RT: 12.833 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)

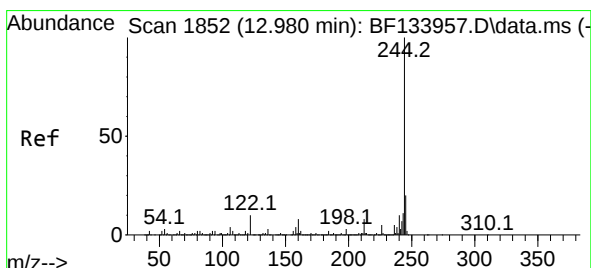
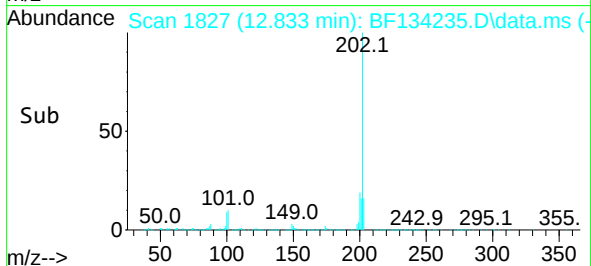
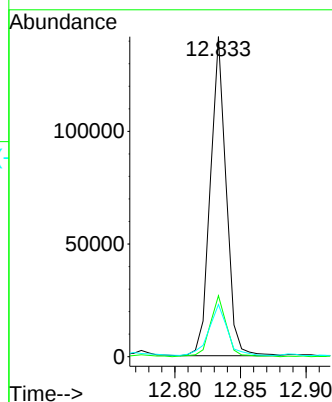
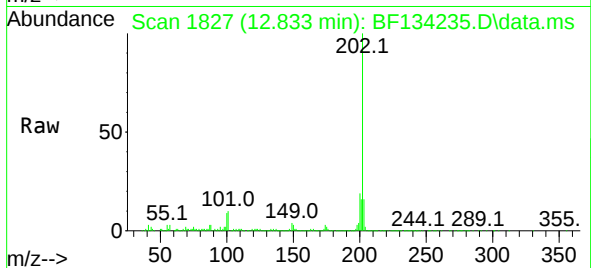
Tgt Ion:202 Resp: 11918
 Ion Ratio Lower Upper
 202 100
 200 19.0 16.1 24.1
 203 16.3 14.3 21.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#79

Terphenyl-d14

Concen: 15.140 ng

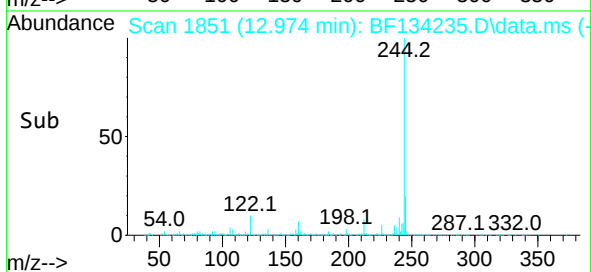
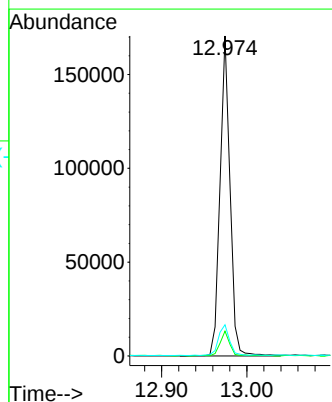
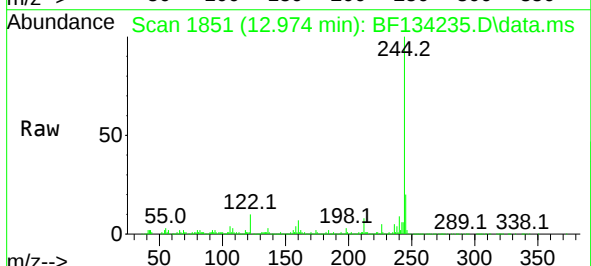
RT: 12.974 min Scan# 1851

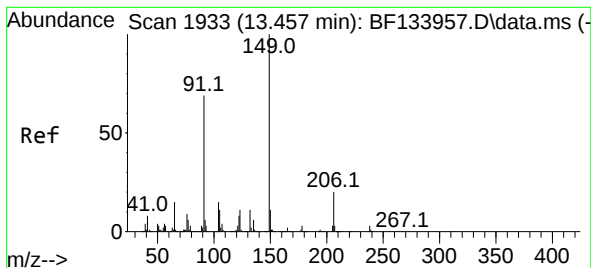
Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

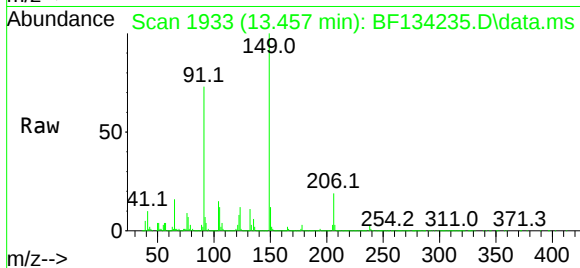
Tgt Ion:244 Resp: 139045
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 9.8 8.3 12.5





#80
Butylbenzylphthalate
Concen: 84.472 ng
RT: 13.457 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

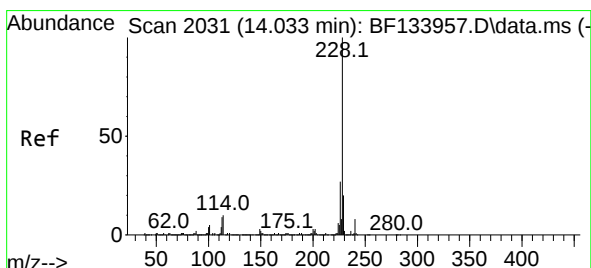
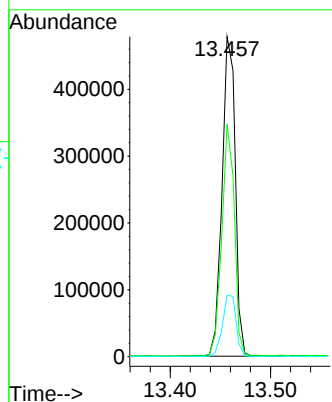
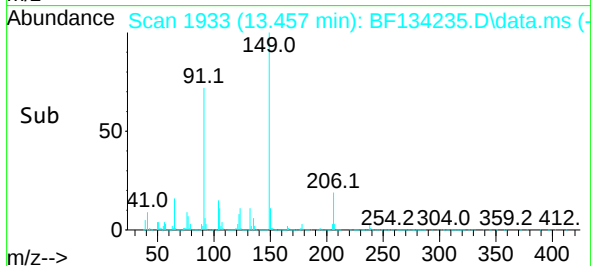
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)



Tgt Ion:149 Resp: 435779
Ion Ratio Lower Upper
149 100
91 72.6 55.1 82.7
206 19.2 15.7 23.5

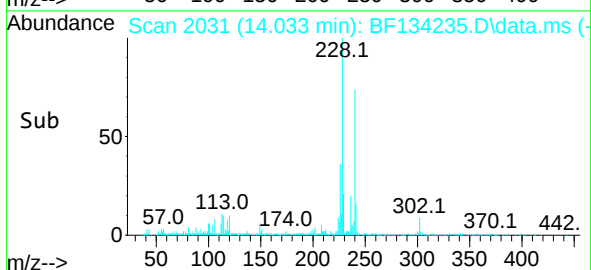
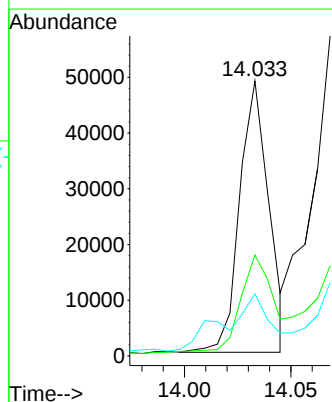
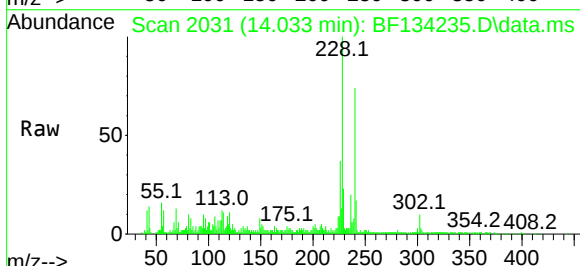
Manual Integrations
APPROVED

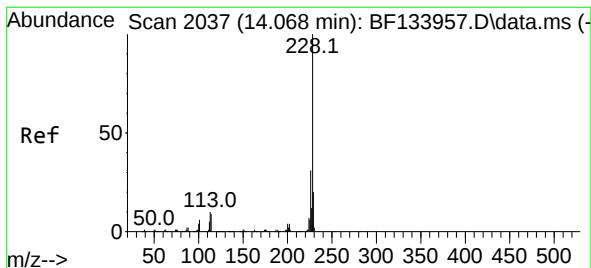
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#81
Benzo(a)anthracene
Concen: 4.538 ng m
RT: 14.033 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF134235.D
Acq: 12 Jul 2023 03:21

Tgt Ion:228 Resp: 46517
Ion Ratio Lower Upper
228 100
226 36.7 22.0 33.0#
229 22.7 16.3 24.5





#83

Chrysene

Concen: 6.218 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)

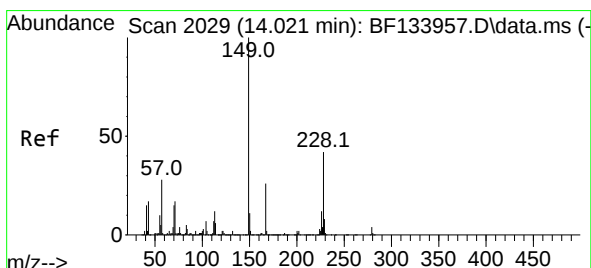
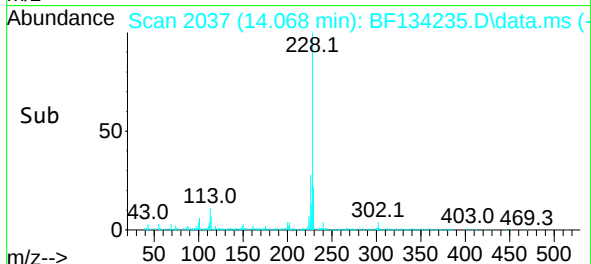
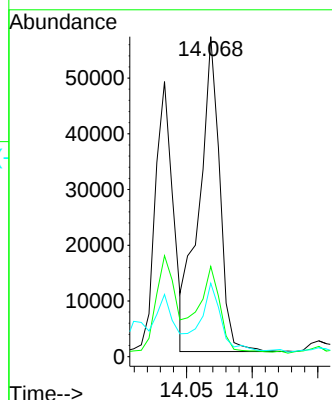
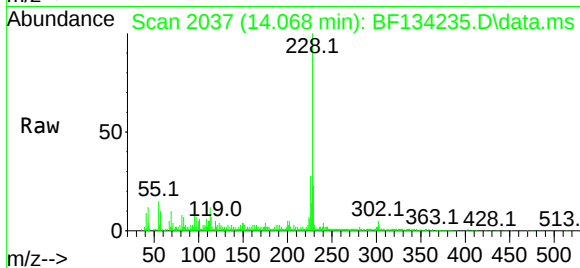
Tgt Ion:	228	Resp:	61735
Ion Ratio	Lower	Upper	
228	100		
226	28.2	24.4	36.6
229	22.9	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.268 ng

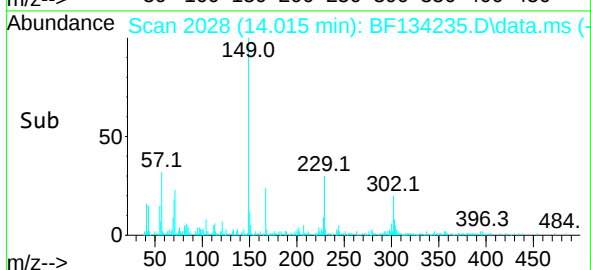
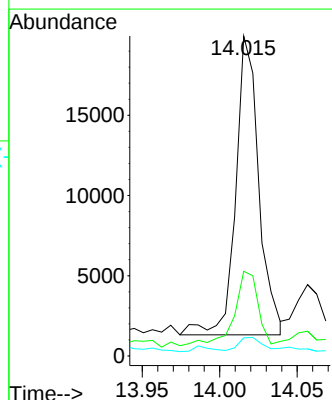
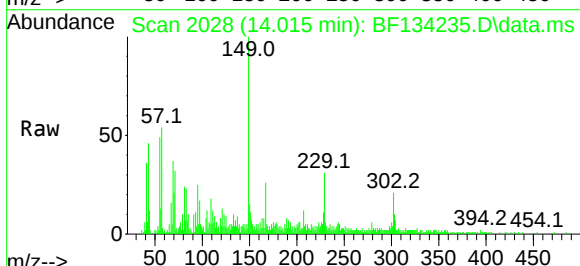
RT: 14.015 min Scan# 2028

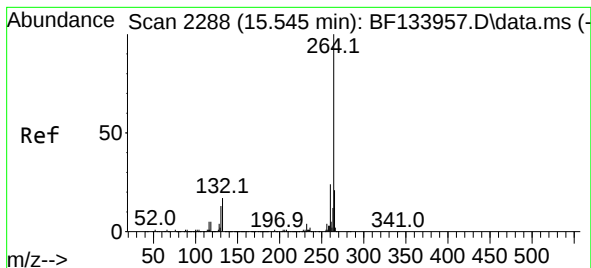
Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Tgt Ion:	149	Resp:	19370
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.0	31.4
279	5.7	3.3	4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)

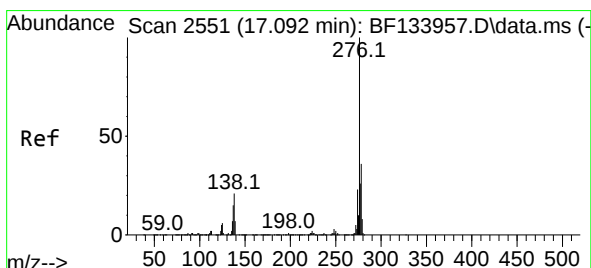
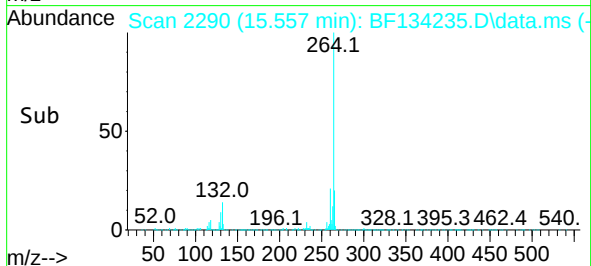
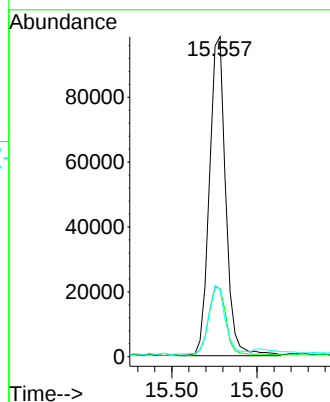
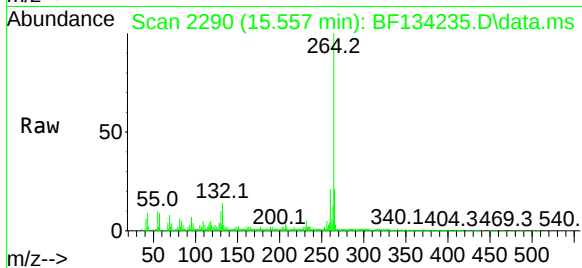
Tgt Ion:	264	Resp:	131304
Ion Ratio	Lower	Upper	
264	100		
260	21.3	19.5	29.3
265	21.1	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.878 ng

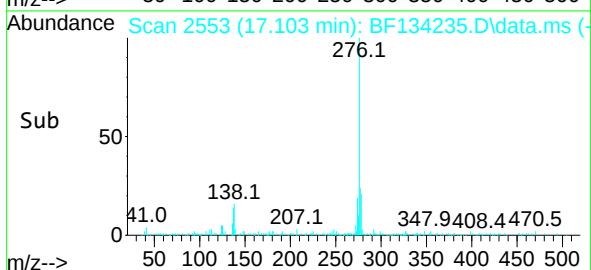
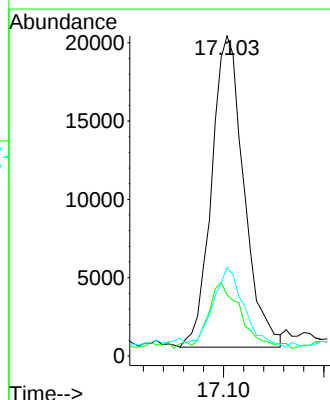
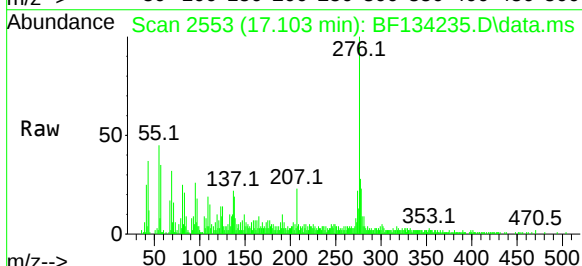
RT: 17.103 min Scan# 2553

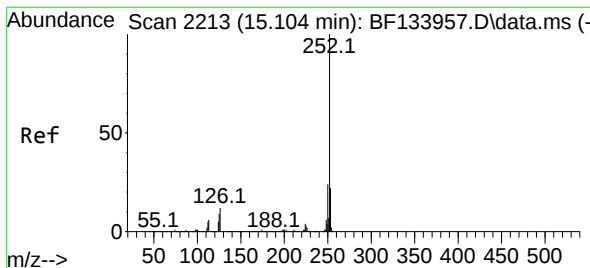
Delta R.T. 0.006 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Tgt Ion:	276	Resp:	44446
Ion Ratio	Lower	Upper	
276	100		
138	21.9	18.7	28.1
277	24.6	19.9	29.9





#88

Benzo(b)fluoranthene

Concen: 11.986 ng m

RT: 15.104 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)

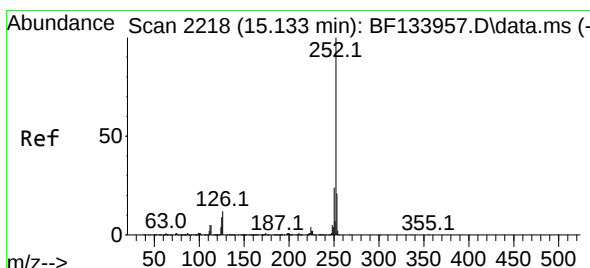
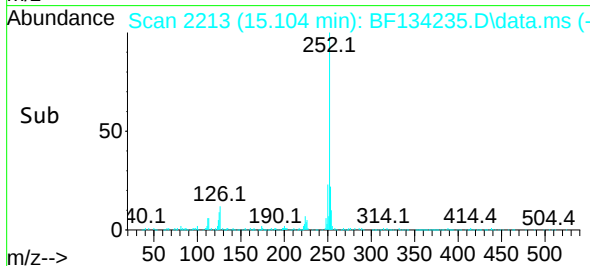
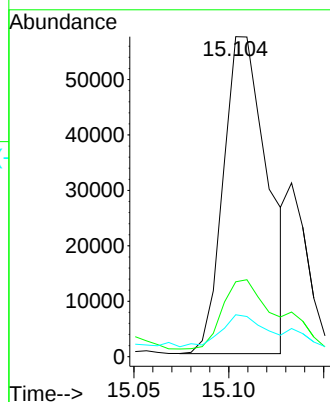
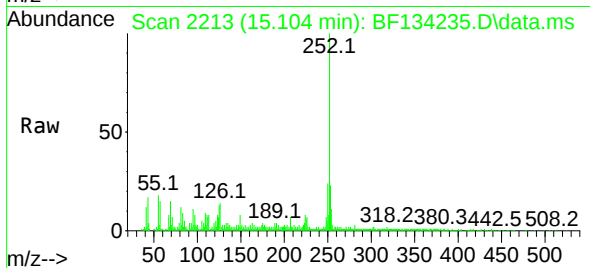
Tgt Ion:252	Resp:	9254
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.4 26.0
125	13.1	7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#89

Benzo(k)fluoranthene

Concen: 3.033 ng m

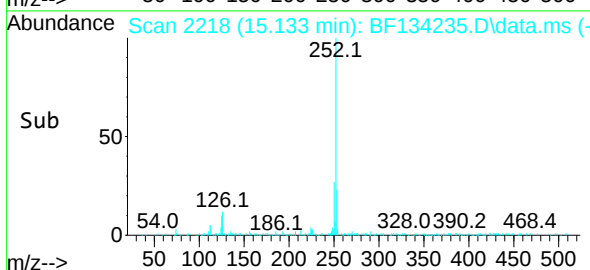
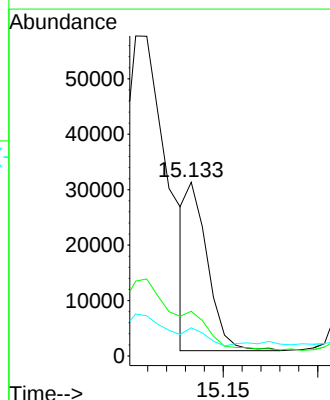
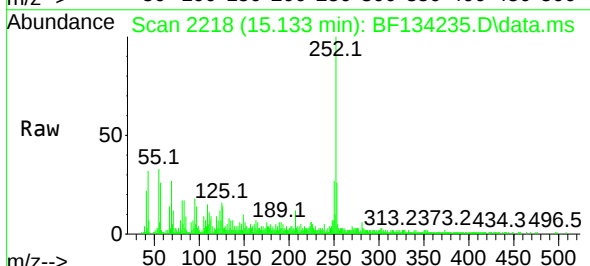
RT: 15.133 min Scan# 2218

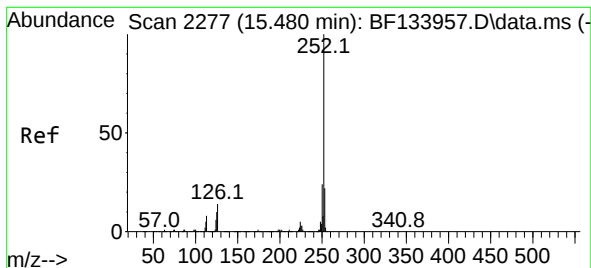
Delta R.T. -0.000 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Tgt Ion:252	Resp:	23844
Ion Ratio	Lower	Upper
252	100	
253	25.6	16.9 25.3#
125	16.2	7.4 11.2#





#90

Benzo(a)pyrene

Concen: 6.727 ng

RT: 15.486 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Instrument :

BNF

ClientSampleId :

SB-2(0-2)

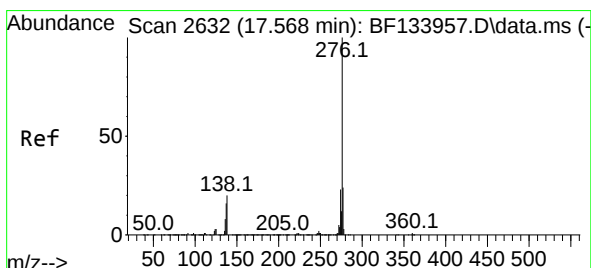
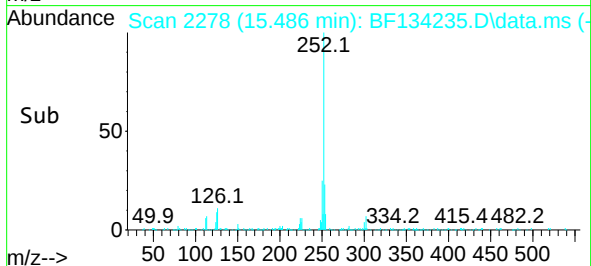
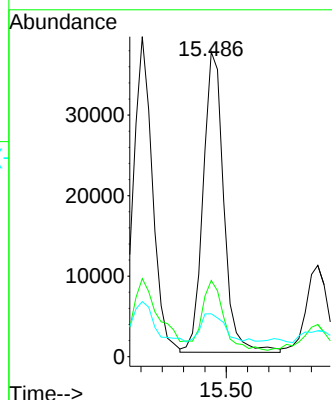
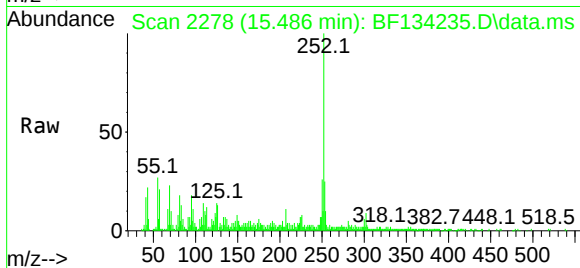
Tgt Ion:	252	Resp:	50220
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.4	26.0
125	14.0	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#92

Benzo(g,h,i)perylene

Concen: 5.469 ng

RT: 17.574 min Scan# 2633

Delta R.T. 0.006 min

Lab File: BF134235.D

Acq: 12 Jul 2023 03:21

Tgt Ion:	276	Resp:	41969
Ion Ratio	Lower	Upper	
276	100		
277	25.8	19.0	28.6
138	26.2	16.2	24.2

