

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134619.D
 Acq On : 03 Aug 2023 19:25
 Operator : CG\JU
 Sample : 03598-12DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-57-(5-7)DL

Quant Time: Aug 04 01:10:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/04/2023
 Supervised By :mohammad ahmed 08/04/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	148643	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	533000	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	243818	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	448516	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	246069	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	211922	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	67896	6.943	ng	0.00
7) Phenol-d6	6.416	99	86320	6.906	ng	-0.01
23) Nitrobenzene-d5	7.351	82	42767	5.014	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	12220	4.917	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	88292	6.021	ng	0.00
79) Terphenyl-d14	12.910	244	92234	6.608	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.786	142	39455	2.222	ng	95
38) 1-Methylnaphthalene	8.886	142	55197	3.343	ng	96
52) Acenaphthene	9.863	154	74944	5.179	ng	98
58) Fluorene	10.374	166	66510	4.432	ng	96
71) Phenanthrene	11.351	178	1539086	64.604	ng	99
72) Anthracene	11.392	178	209690	8.617	ng	99
75) Fluoranthene	12.533	202	665449	26.444	ng	96
78) Pyrene	12.768	202	938309	44.067	ng	97
81) Benzo(a)anthracene	13.957	228	271013	15.403	ng	99
83) Chrysene	13.992	228	233904	13.645	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	36970	2.966	ng	# 94
88) Benzo(b)fluoranthene	15.009	252	142337m	11.013	ng	
89) Benzo(k)fluoranthene	15.033	252	34239m	2.659	ng	
90) Benzo(a)pyrene	15.368	252	97393	8.082	ng	# 95
92) Benzo(g,h,i)perylene	17.362	276	35527	3.458	ng	# 88

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

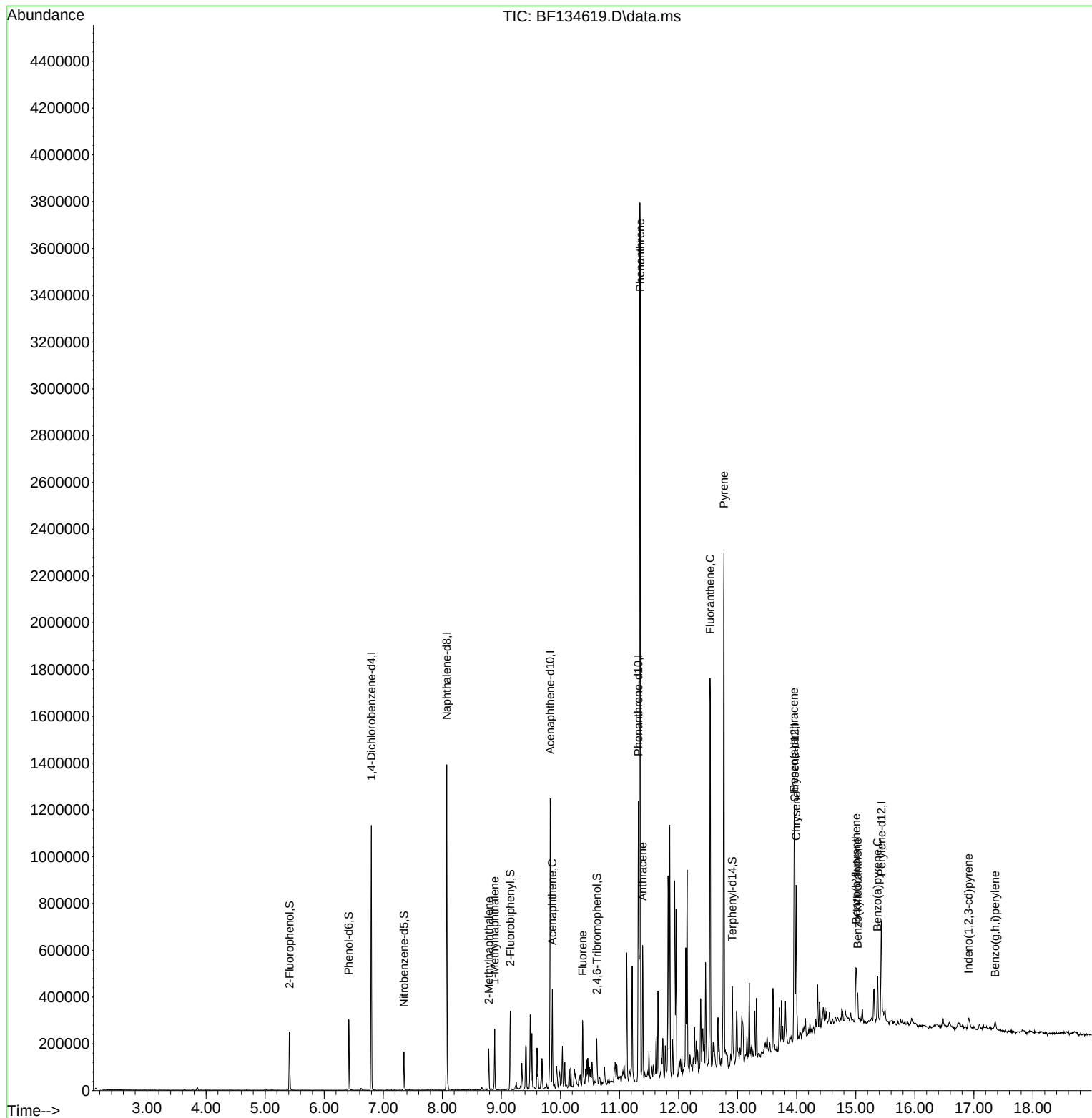
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Data File : BF134619.D
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ALS Vial : 22 Sample Multiplier: 1

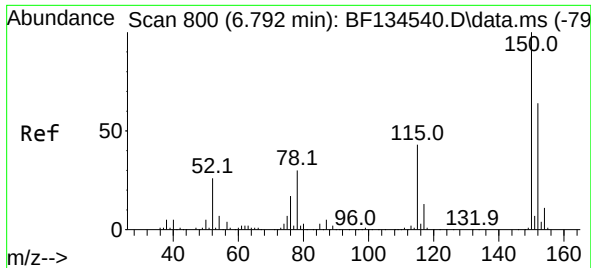
Instrument :
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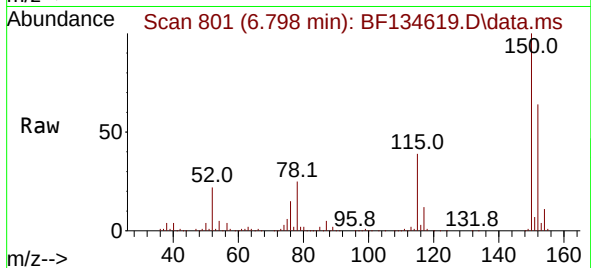
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

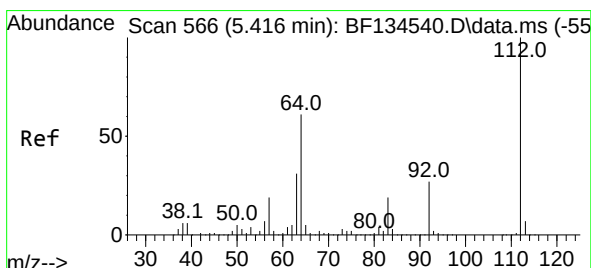
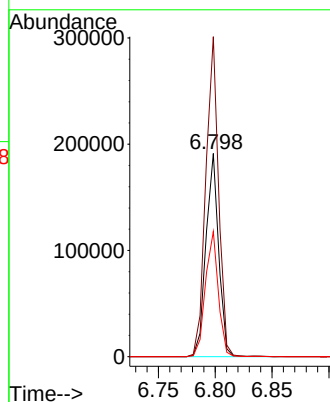
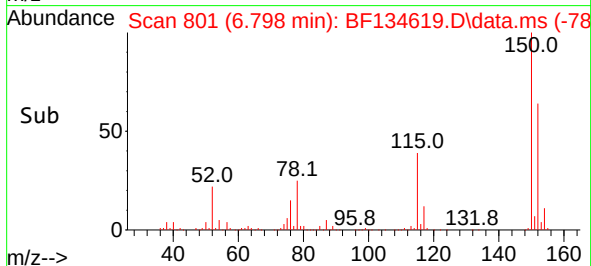


Tgt Ion:152 Resp: 14864
Ion Ratio Lower Upper
152 100
150 157.5 128.3 192.5
115 61.5 52.4 78.6

Manual Integrations

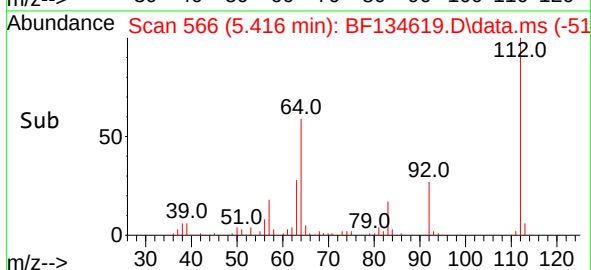
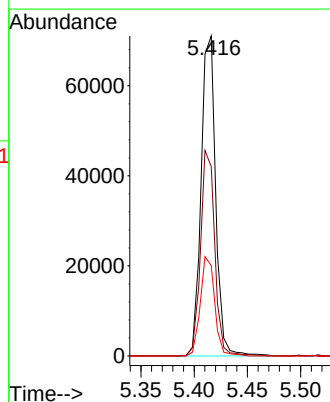
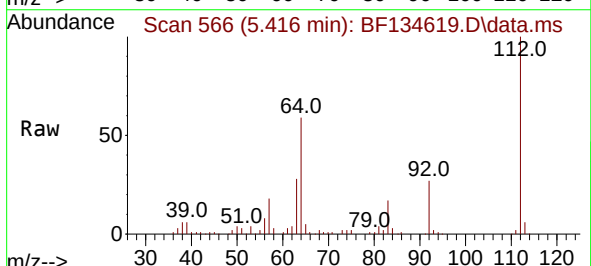
APPROVED

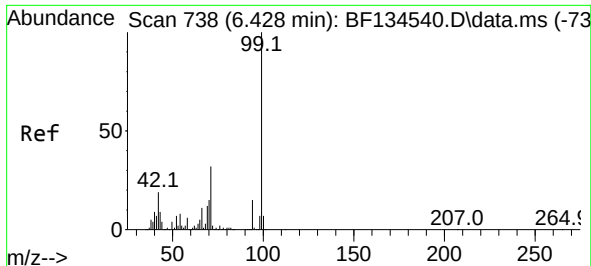
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#5
2-Fluorophenol
Concen: 6.943 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Tgt Ion:112 Resp: 67896
Ion Ratio Lower Upper
112 100
64 59.2 44.9 67.3
63 28.3 25.4 38.0





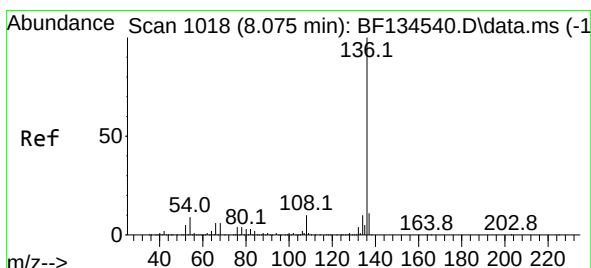
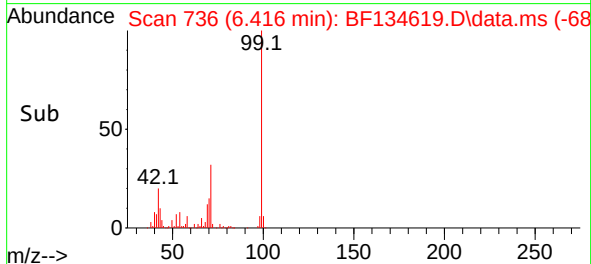
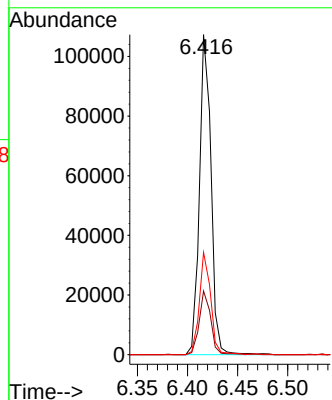
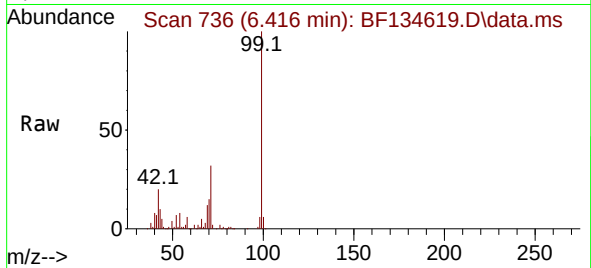
#7
Phenol-d6
Concen: 6.906 ng
RT: 6.416 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Instrument :
BNA_F
Client Sample Id :
RB-57-(5-7)DL

Tgt Ion: 99 Resp: 86320
Ion Ratio Lower Upper
99 100
42 19.9 18.7 28.1
71 32.0 36.4 54.6

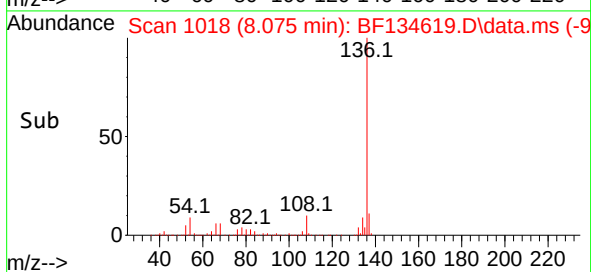
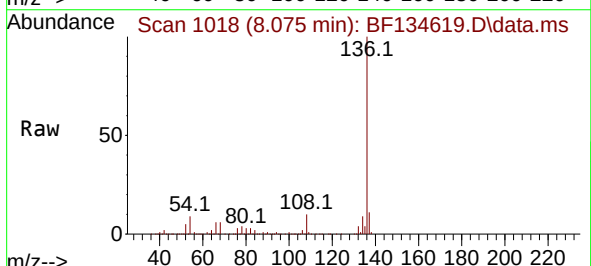
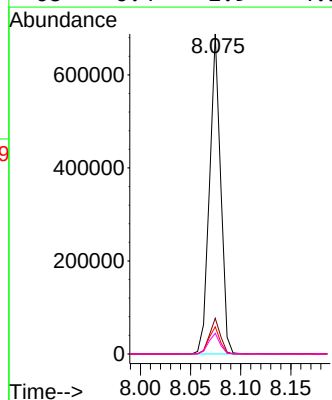
Manual Integrations
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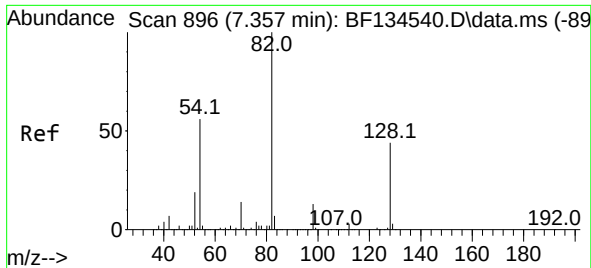
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Tgt Ion:136 Resp: 533000
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.5 5.2 7.8#
68 6.4 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 5.014 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF134619.D

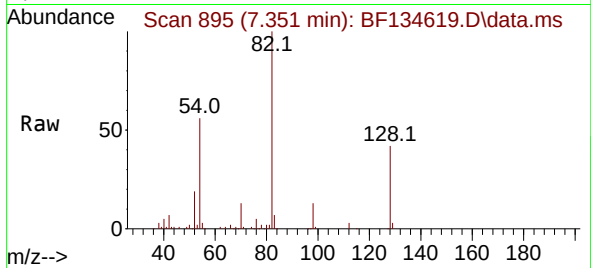
Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL



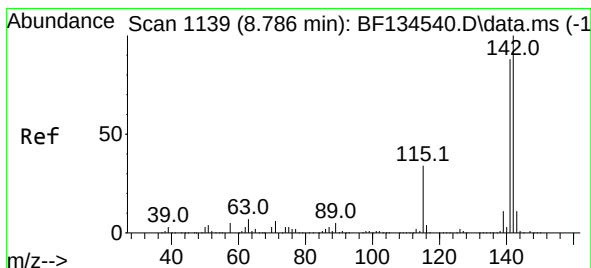
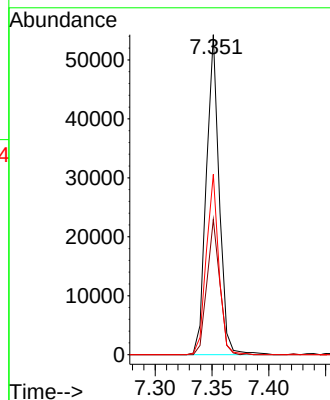
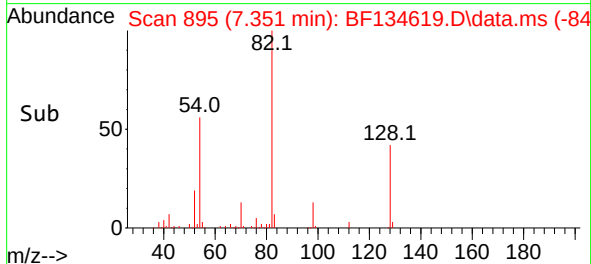
Tgt Ion:	82	Resp:	4276
Ion Ratio	Lower	Upper	
82	100		
128	42.3	34.3	51.5
54	56.4	43.8	65.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#37

2-Methylnaphthalene

Concen: 2.222 ng

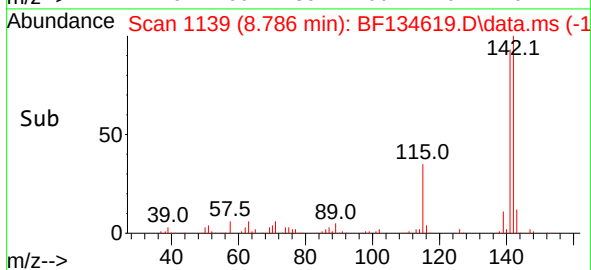
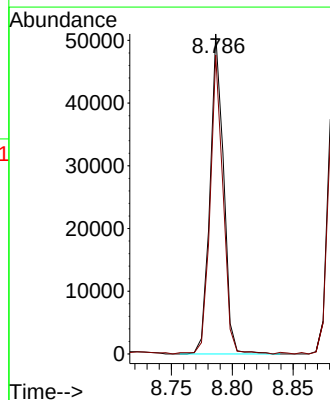
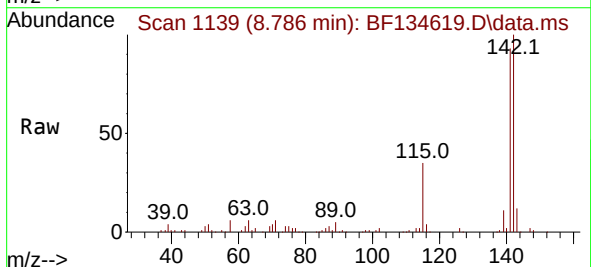
RT: 8.786 min Scan# 1139

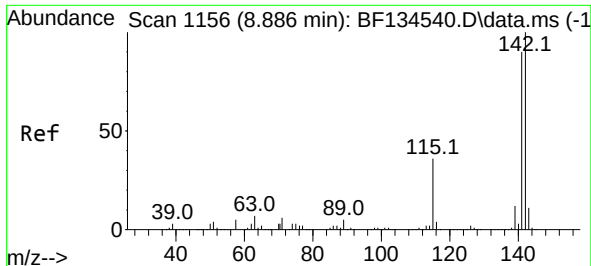
Delta R.T. 0.000 min

Lab File: BF134619.D

Acq: 03 Aug 2023 19:25

Tgt Ion:	142	Resp:	39455
Ion Ratio	Lower	Upper	
142	100		
141	93.4	70.8	106.2





#38

1-Methylnaphthalene

Concen: 3.343 ng

RT: 8.886 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF134619.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

Tgt Ion:142 Resp: 5519

Ion Ratio Lower Upper

142 100

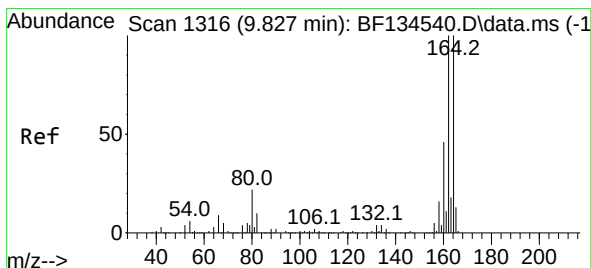
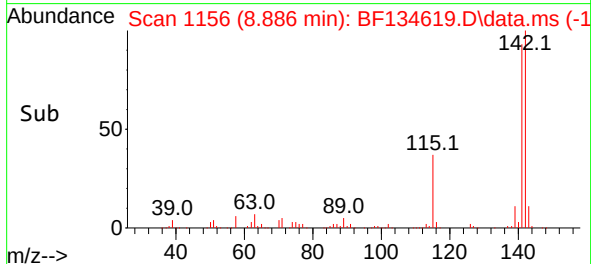
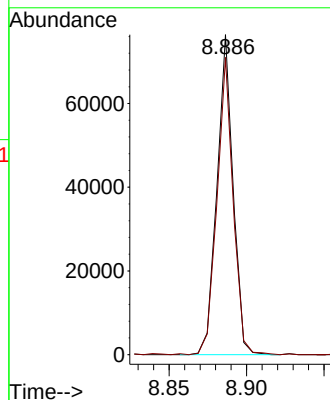
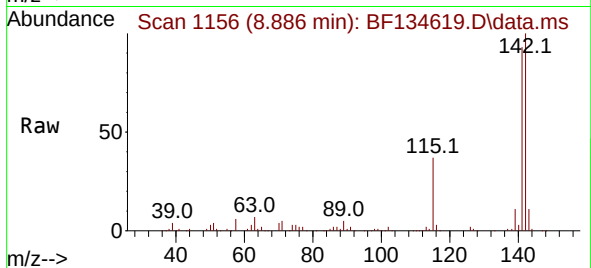
141 92.8 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF134619.D

Acq: 03 Aug 2023 19:25

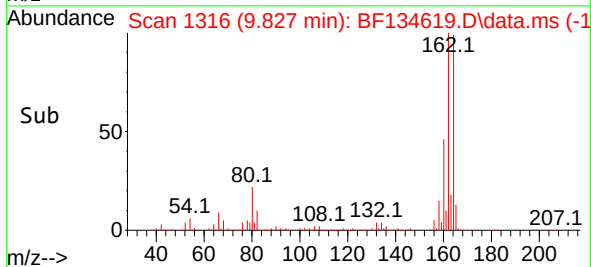
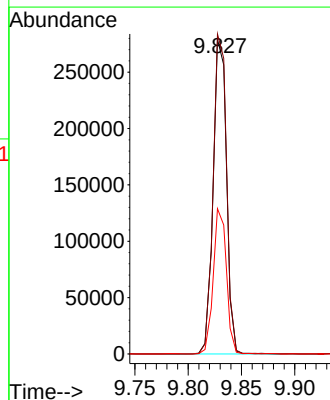
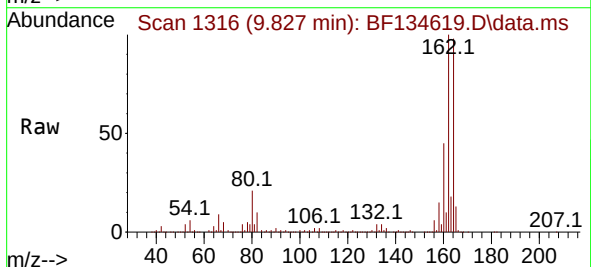
Tgt Ion:164 Resp: 243818

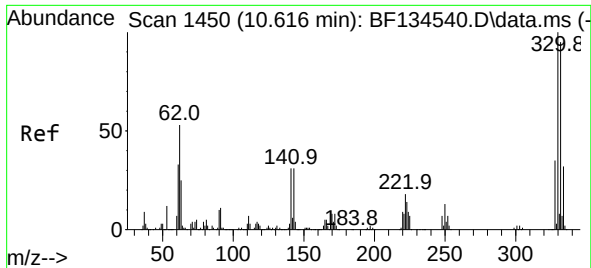
Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

160 46.2 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 4.917 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

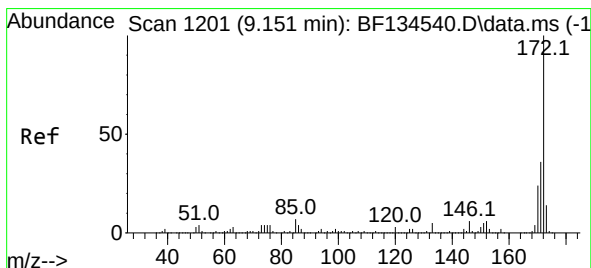
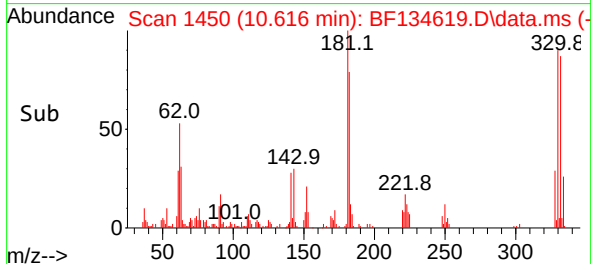
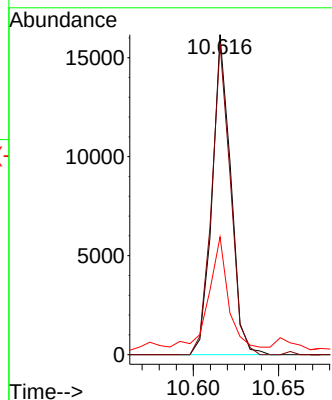
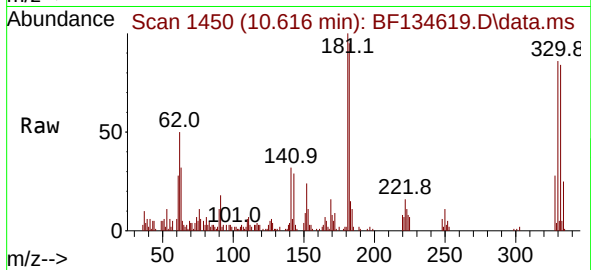
Tgt Ion:330 Resp: 12220
Ion Ratio Lower Upper
330 100
332 98.4 78.8 118.2
141 37.6 25.4 38.2

Manual Integrations

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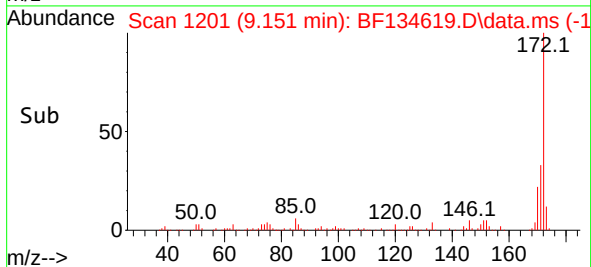
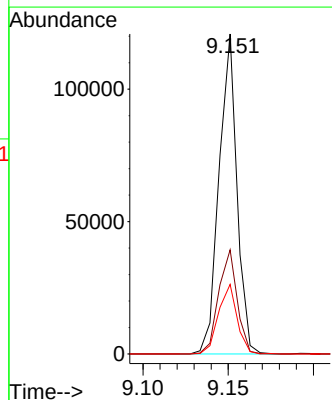
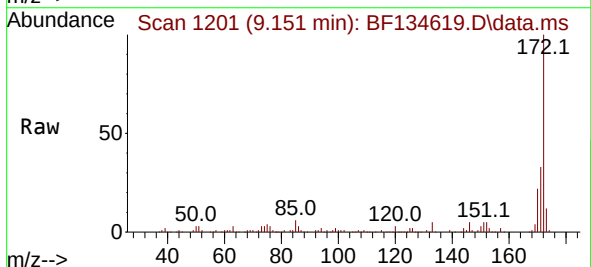
Reviewed By :Yogesh Patel 08/04/2023

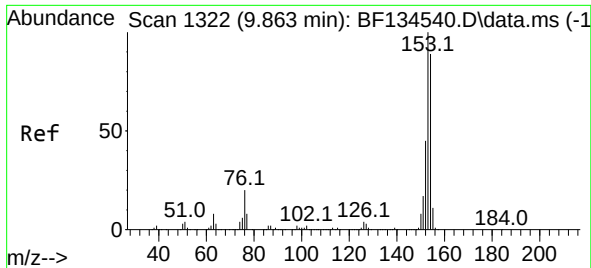
Supervised By :mohammad ahmed 08/04/2023



#45
2-Fluorobiphenyl
Concen: 6.021 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Tgt Ion:172 Resp: 88292
Ion Ratio Lower Upper
172 100
171 32.5 28.8 43.2
170 21.8 18.7 28.1





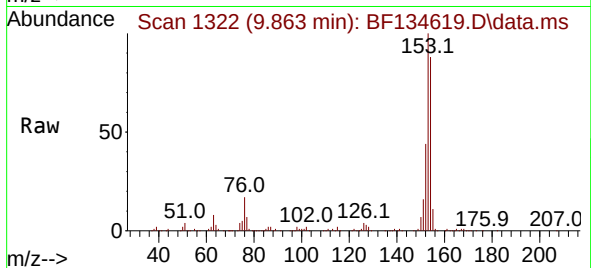
#52
Acenaphthene
Concen: 5.179 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Instrument :

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ClientSampleId :

RB-57-(5-7)DL

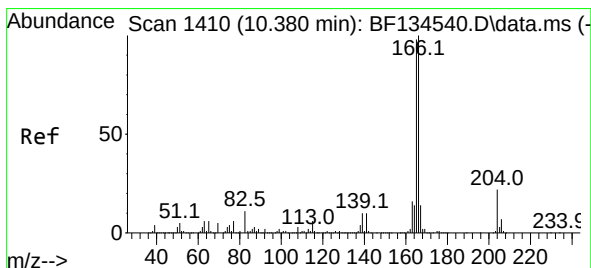
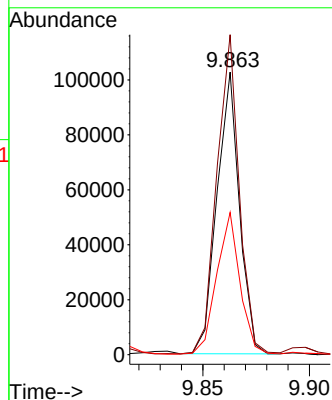
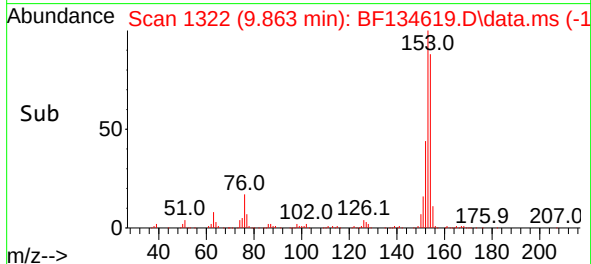


Tgt Ion:154 Resp: 74944
Ion Ratio Lower Upper
154 100
153 113.3 90.0 135.0
152 50.4 42.4 63.6

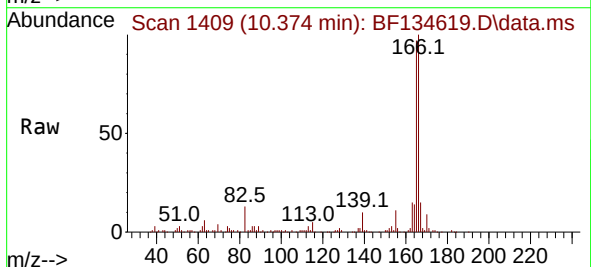
Manual Integrations

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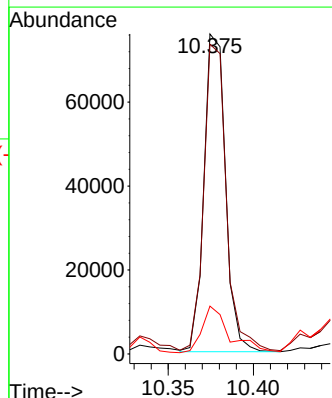
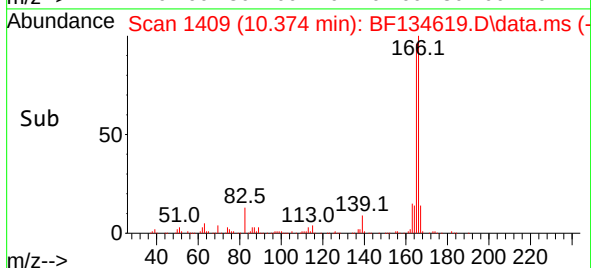
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

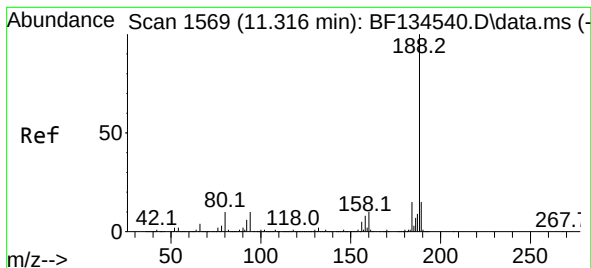


#58
Fluorene
Concen: 4.432 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25



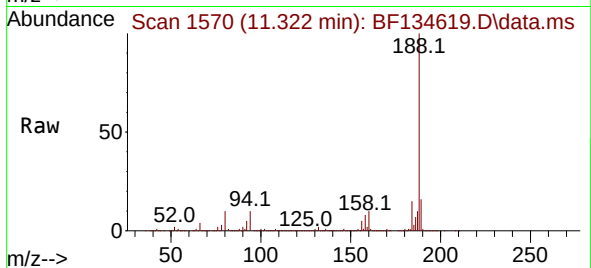
Tgt Ion:166 Resp: 66510
Ion Ratio Lower Upper
166 100
165 96.8 74.5 111.7
167 15.0 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

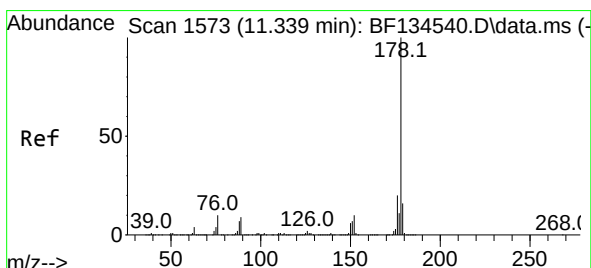
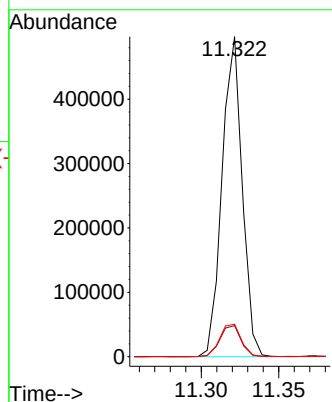
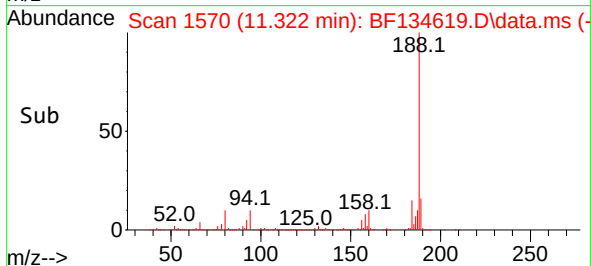
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL



Tgt Ion:188 Resp: 448510
Ion Ratio Lower Upper
188 100
94 9.7 5.1 7.7
80 10.2 6.6 9.8

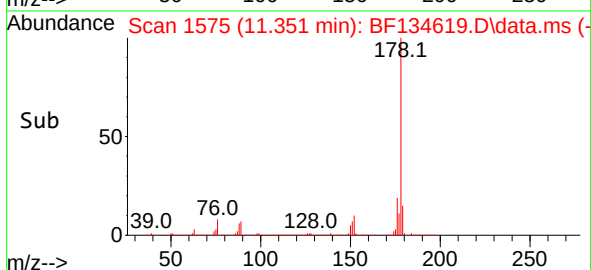
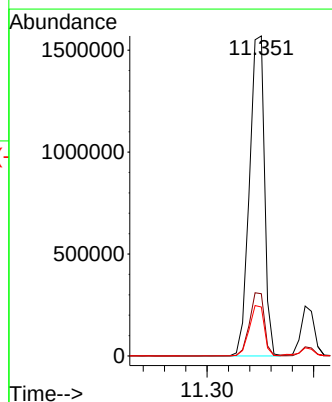
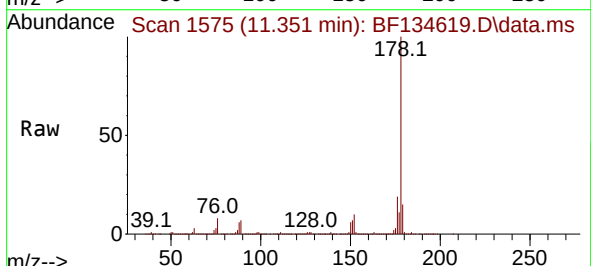
Manual Integrations
APPROVED

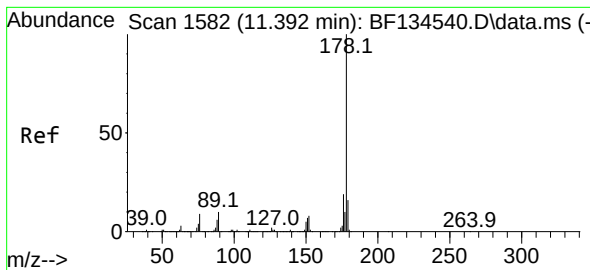
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#71
Phenanthrene
Concen: 64.604 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.012 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Tgt Ion:178 Resp: 1539086
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.3 12.7 19.1





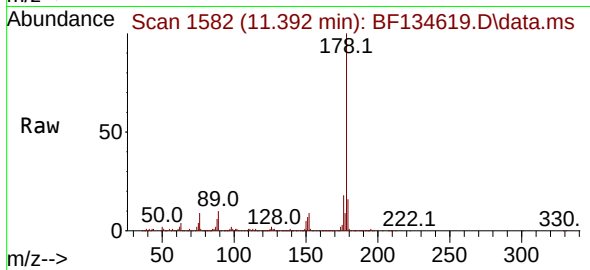
#72
 Anthracene
 Concen: 8.617 ng
 RT: 11.392 min Scan# 11392
 Delta R.T. 0.000 min
 Lab File: BF134619.D
 Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

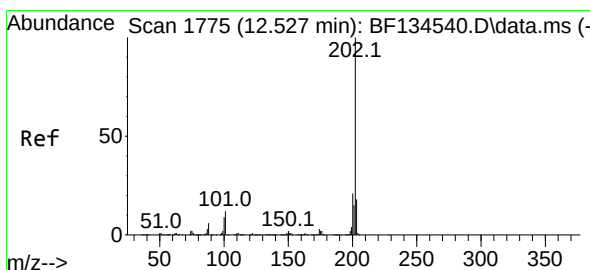
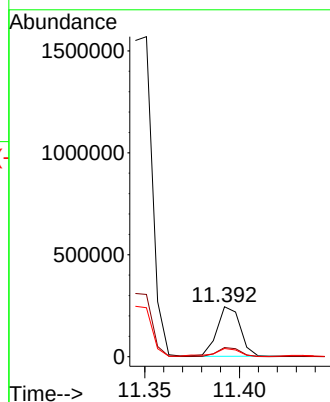
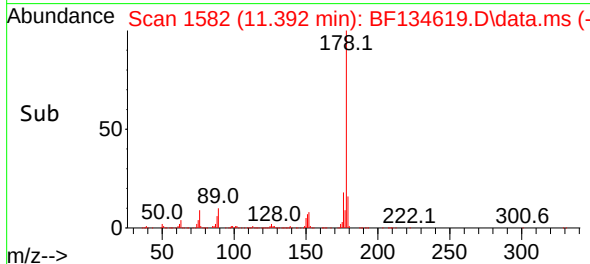


Tgt Ion:178 Resp: 209690
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 21.8
 179 16.3 12.3 18.5

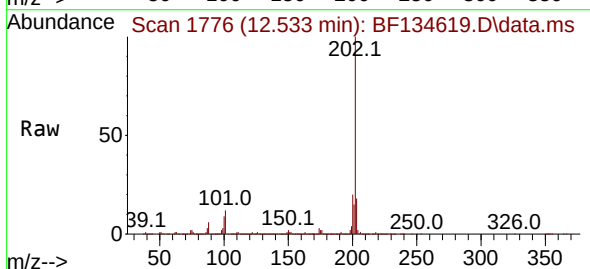
Manual Integrations

APPROVED

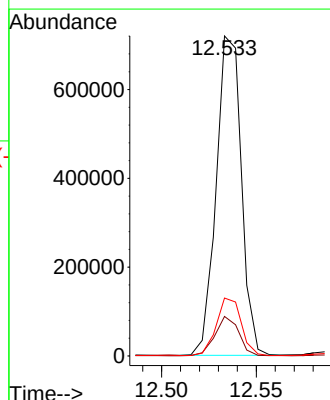
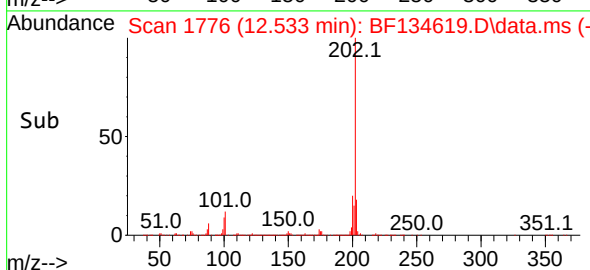
Reviewed By :Yogesh Patel 08/04/2023
 Supervised By :mohammad ahmed 08/04/2023

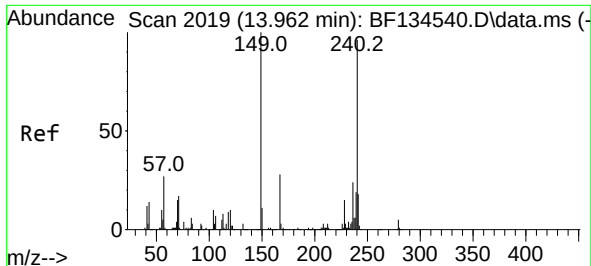


#75
 Fluoranthene
 Concen: 26.444 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. 0.006 min
 Lab File: BF134619.D
 Acq: 03 Aug 2023 19:25



Tgt Ion:202 Resp: 665449
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 28.5
 203 18.1 0.0 37.5





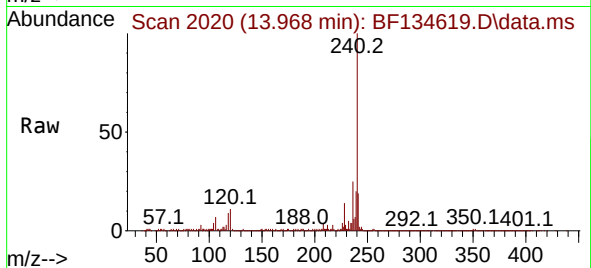
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL



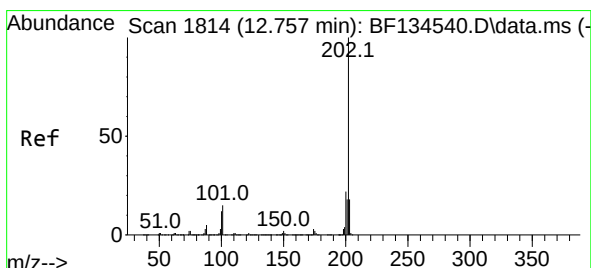
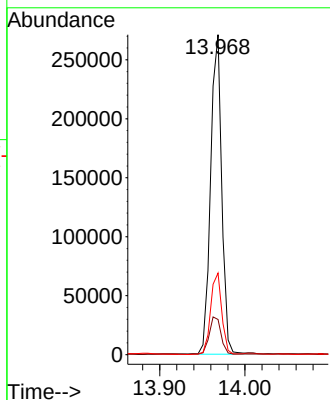
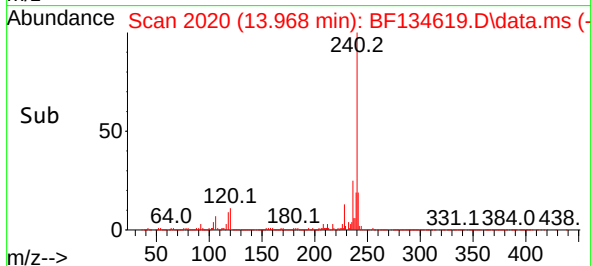
Tgt Ion:240 Resp: 246069
Ion Ratio Lower Upper
240 100
120 11.0 6.6 10.0
236 25.5 20.2 30.2

Manual Integrations

APPROVED

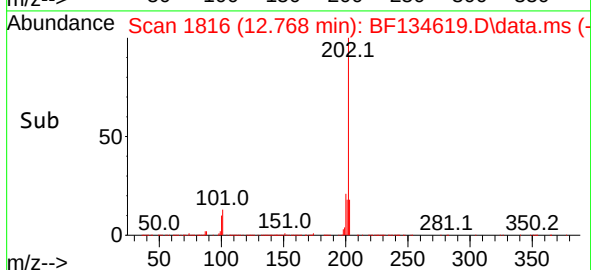
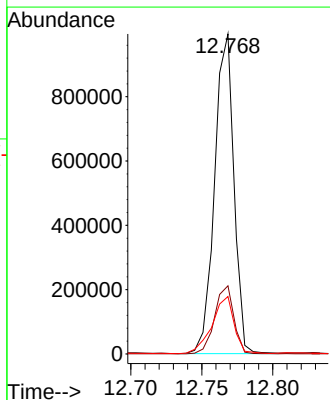
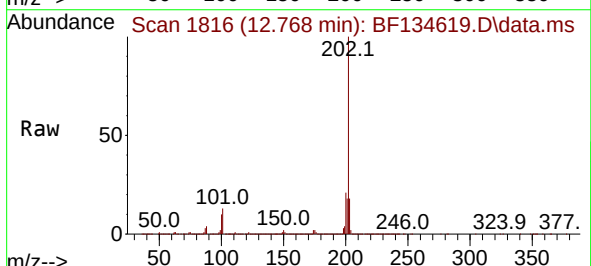
Reviewed By :Yogesh Patel 08/04/2023

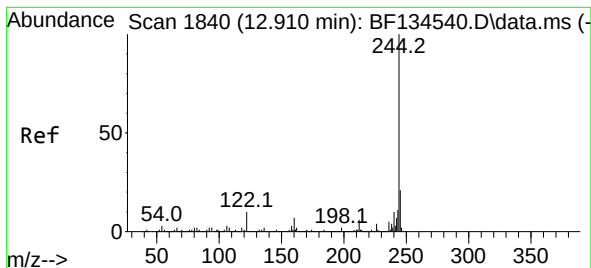
Supervised By :mohammad ahmed 08/04/2023



#78
Pyrene
Concen: 44.067 ng
RT: 12.768 min Scan# 1816
Delta R.T. 0.012 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Tgt Ion:202 Resp: 938309
Ion Ratio Lower Upper
202 100
200 21.3 15.8 23.8
203 17.9 13.5 20.3





#79

Terphenyl-d14

Concen: 6.608 ng

RT: 12.910 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134619.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

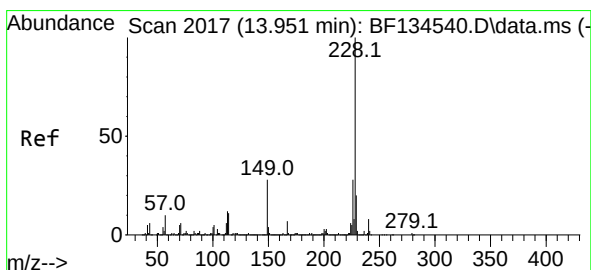
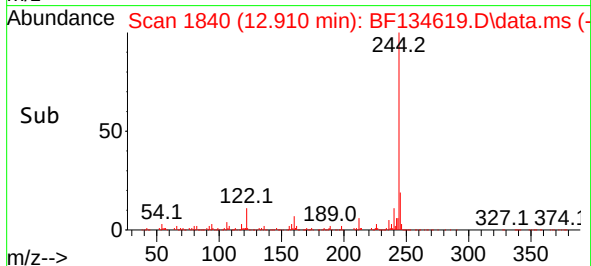
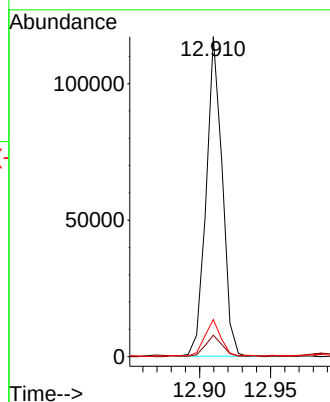
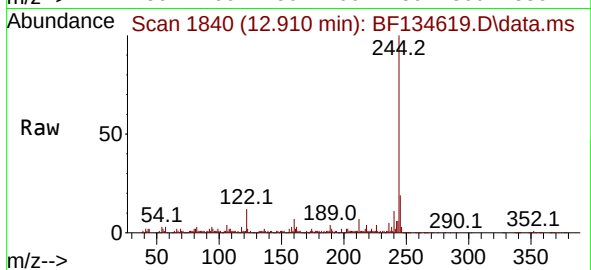
RB-57-(5-7)DL

Tgt Ion:244	Resp:	92234
Ion Ratio	Lower	Upper
244	100	
212	6.7	5.6 8.4
122	11.6	8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#81

Benzo(a)anthracene

Concen: 15.403 ng

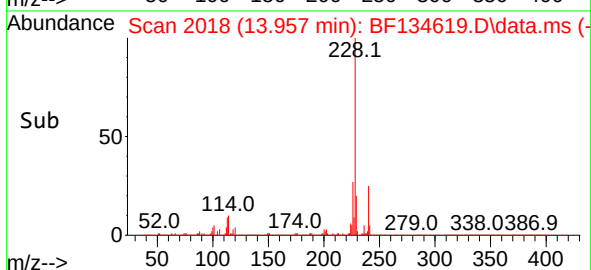
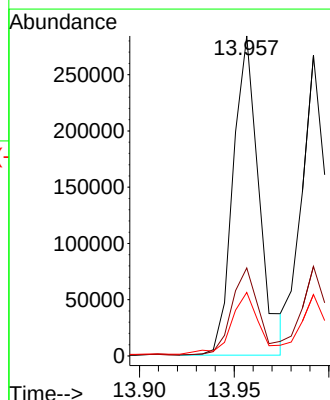
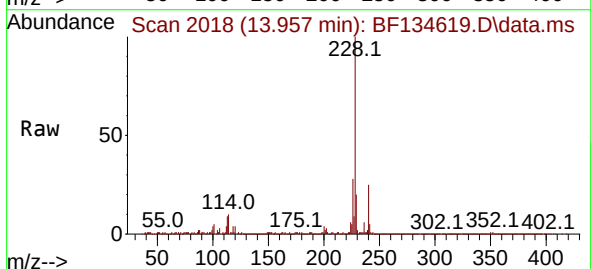
RT: 13.957 min Scan# 2018

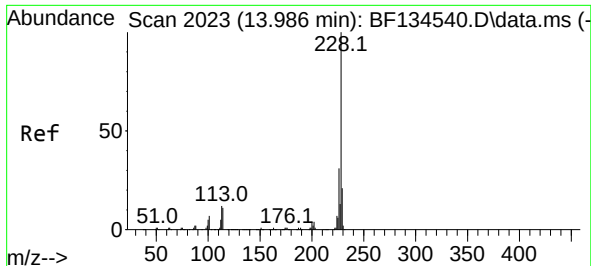
Delta R.T. 0.006 min

Lab File: BF134619.D

Acq: 03 Aug 2023 19:25

Tgt Ion:228	Resp:	271013
Ion Ratio	Lower	Upper
228	100	
226	27.5	22.3 33.5
229	19.9	15.8 23.6





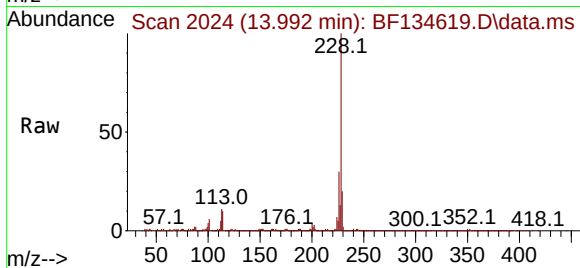
#83
Chrysene
Concen: 13.645 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

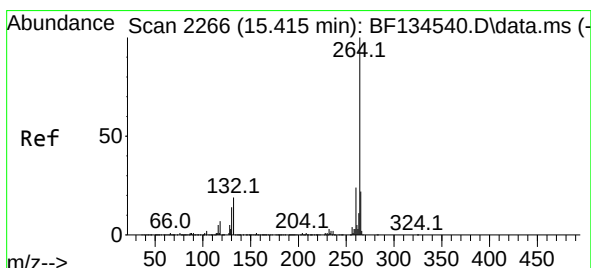
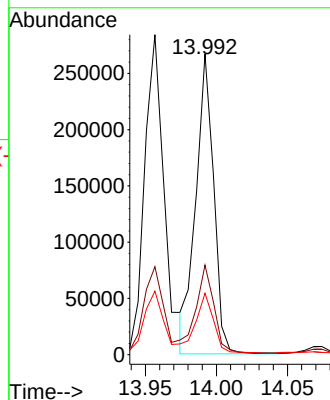
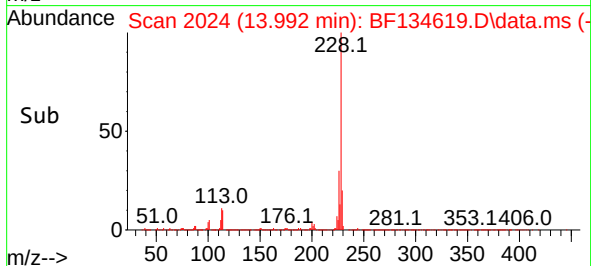


Tgt Ion:228 Resp: 233904
Ion Ratio Lower Upper
228 100
226 29.8 24.5 36.7
229 20.5 15.8 23.8

Manual Integrations

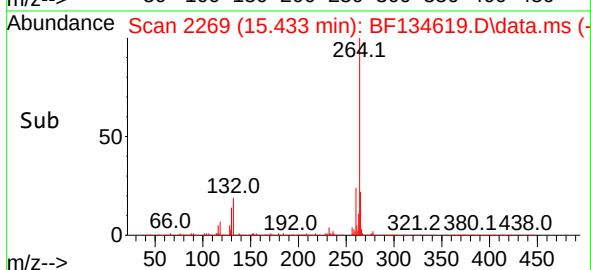
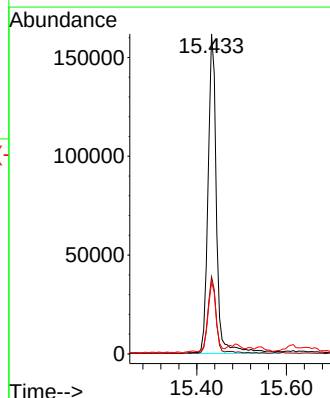
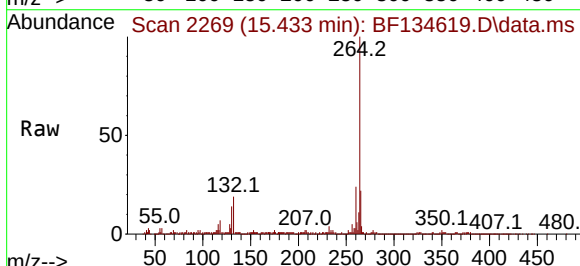
APPROVED

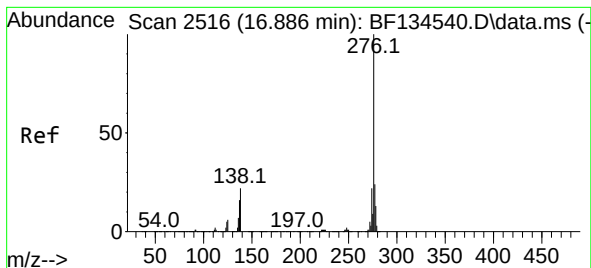
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.018 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Tgt Ion:264 Resp: 211922
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 22.5 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.966 ng

RT: 16.909 min Scan# 2197

Delta R.T. 0.024 min

Lab File: BF134619.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

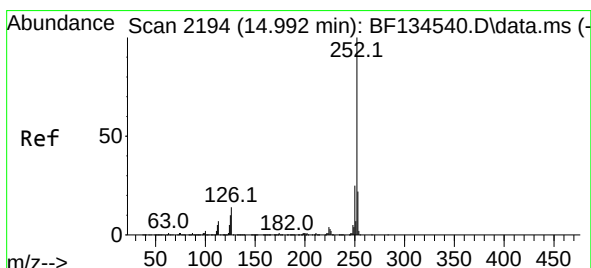
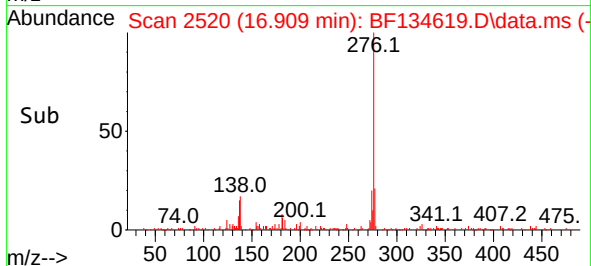
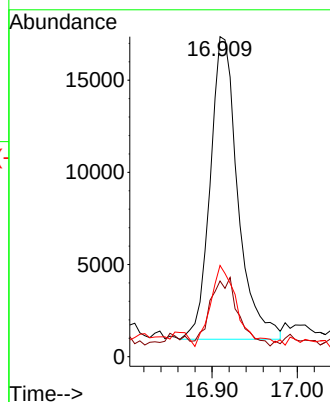
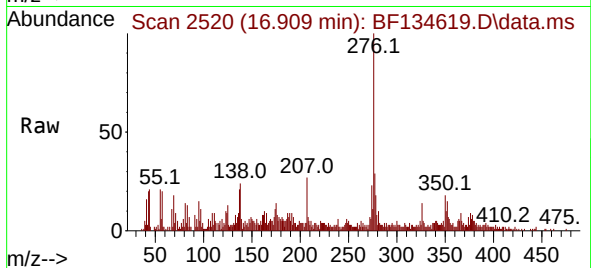
Tgt Ion:	276	Resp:	36970
Ion Ratio	Lower	Upper	
276	100		
138	22.9	14.2	21.4
277	26.3	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#88

Benzo(b)fluoranthene

Concen: 11.013 ng m

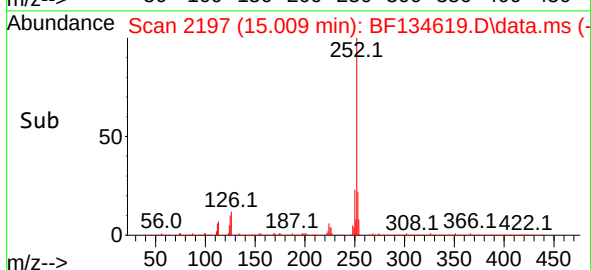
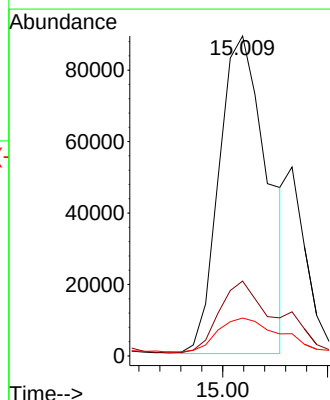
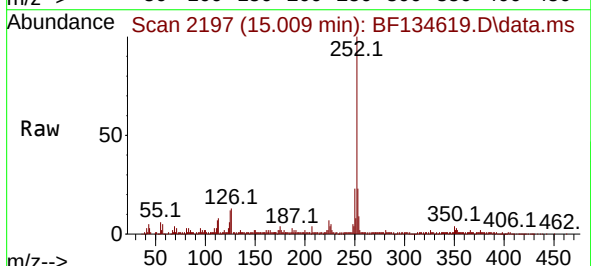
RT: 15.009 min Scan# 2197

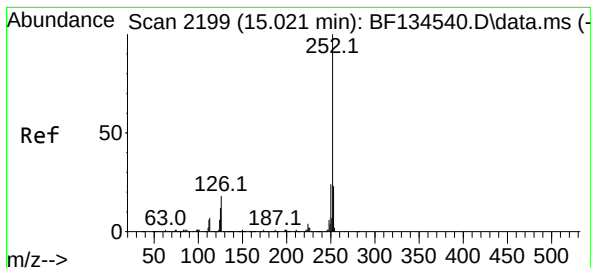
Delta R.T. 0.018 min

Lab File: BF134619.D

Acq: 03 Aug 2023 19:25

Tgt Ion:	252	Resp:	142337
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	11.8	6.0	9.0





#89

Benzo(k)fluoranthene

Concen: 2.659 ng m

RT: 15.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134619.D

Acq: 03 Aug 2023 19:25

Instrument :

BNF

ClientSampleId :

RB-57-(5-7)DL

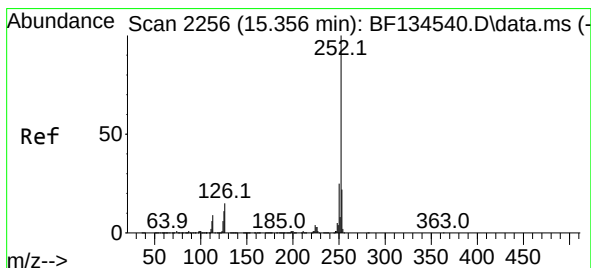
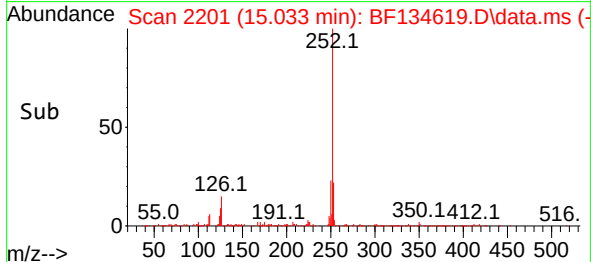
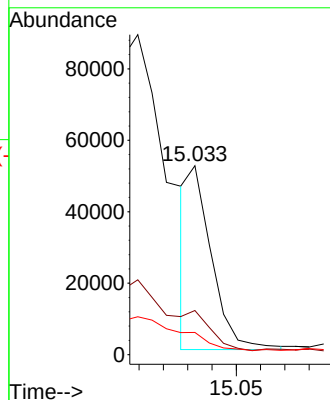
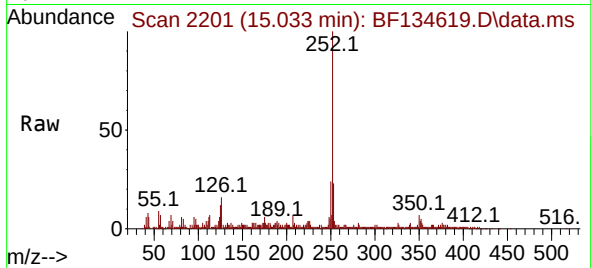
Tgt Ion:252	Resp:	34239
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.9 26.9
125	11.8	6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#90

Benzo(a)pyrene

Concen: 8.082 ng

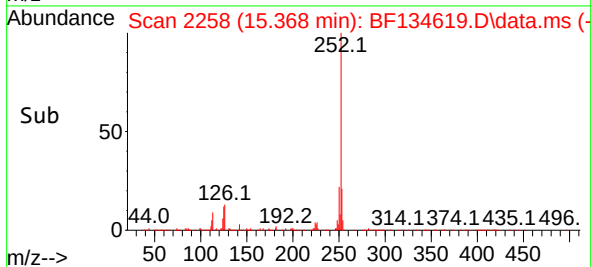
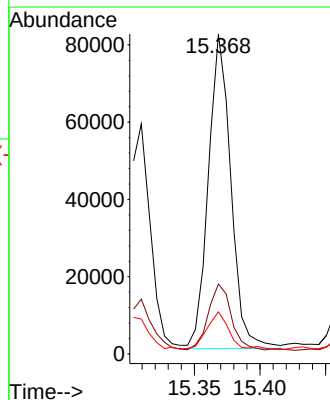
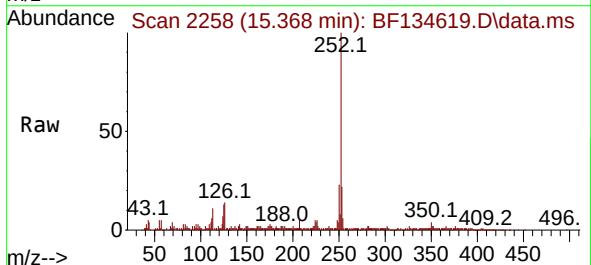
RT: 15.368 min Scan# 2258

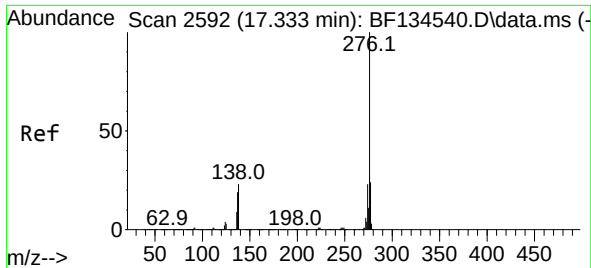
Delta R.T. 0.012 min

Lab File: BF134619.D

Acq: 03 Aug 2023 19:25

Tgt Ion:252	Resp:	97393
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.0 25.4
125	13.1	6.2 9.4





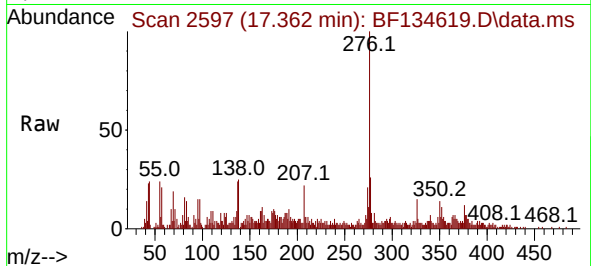
#92
Benzo(g,h,i)perylene
Concen: 3.458 ng
RT: 17.362 min Scan# 2597
Delta R.T. 0.029 min
Lab File: BF134619.D
Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL



Tgt Ion:	276	Resp:	3552
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.0	28.6
138	24.6	12.2	18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023

