

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134019.D
 Acq On : 28 Jun 2023 07:59
 Operator : CG\JU
 Sample : 03355-06
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 08:30:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	92652	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	336853	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	149365	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	260518	20.000	ng	0.00
76) Chrysene-d12	14.045	240	154259	20.000	ng	0.00
86) Perylene-d12	15.556	264	151767	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	462166	83.441	ng	0.00
7) Phenol-d6	6.486	99	597221	87.676	ng	0.00
23) Nitrobenzene-d5	7.410	82	402808	64.460	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	91979	49.115	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	652880	63.550	ng	0.00
79) Terphenyl-d14	12.980	244	770402	80.378	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.751	152	31874	2.128	ng	99
71) Phenanthrene	11.410	178	178083	13.579	ng	99
72) Anthracene	11.463	178	62288	4.566	ng	100
75) Fluoranthene	12.610	202	516762	36.447	ng	98
78) Pyrene	12.839	202	459313	31.995	ng	99
81) Benzo(a)anthracene	14.033	228	194767	18.206	ng	98
83) Chrysene	14.074	228	168771	16.288	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	42615	6.888	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	82667	7.850	ng	97
88) Benzo(b)fluoranthene	15.109	252	189806m	21.269	ng	
89) Benzo(k)fluoranthene	15.133	252	60559m	6.665	ng	
90) Benzo(a)pyrene	15.492	252	147675	17.113	ng	97
91) Dibenzo(a,h)anthracene	17.115	278	20438	2.376	ng	# 73
92) Benzo(g,h,i)perylene	17.568	276	78710	8.873	ng	96

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

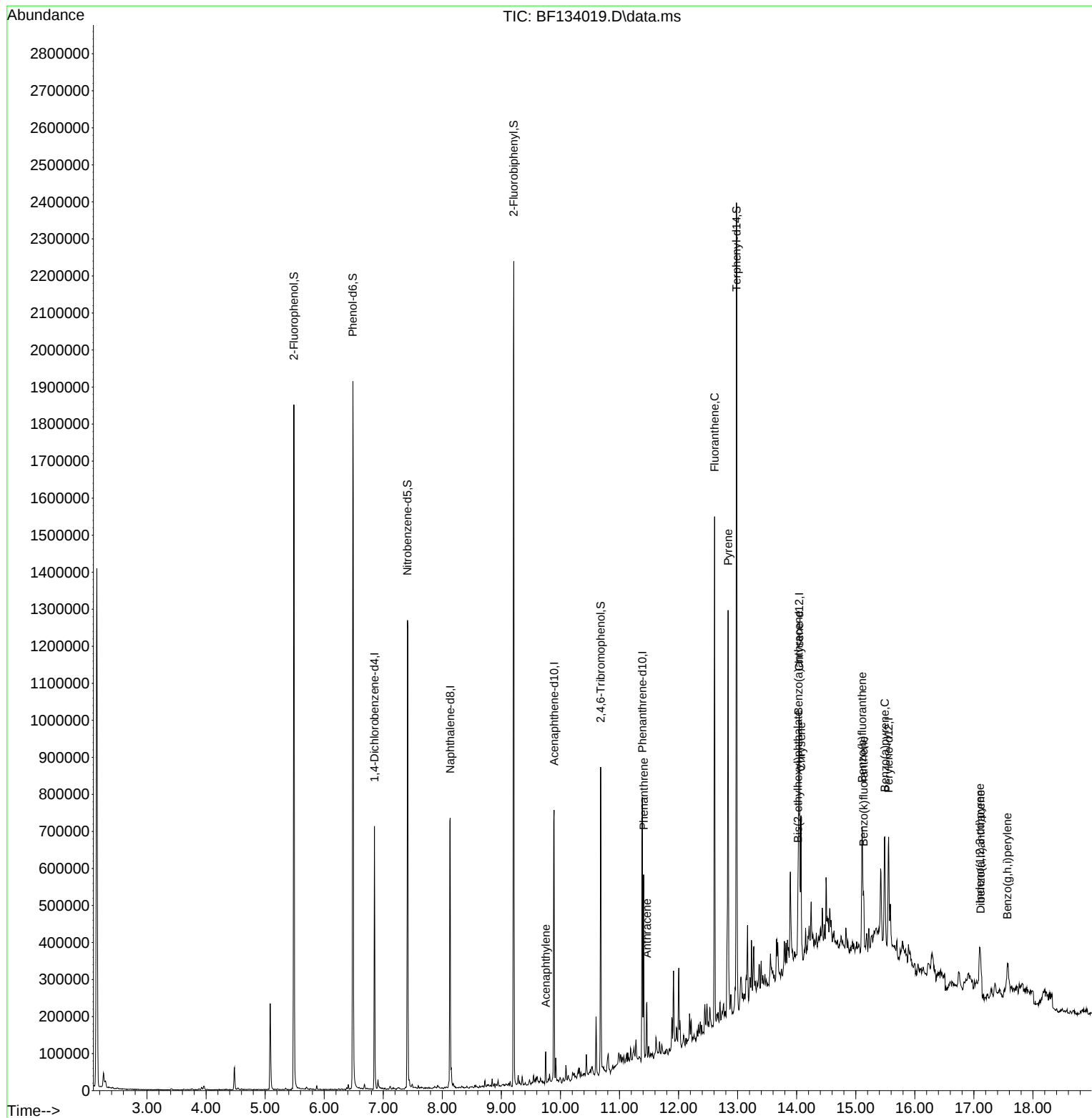
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134019.D
Acq On : 28 Jun 2023 07:59
Operator : CG\JU
Sample : 03355-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

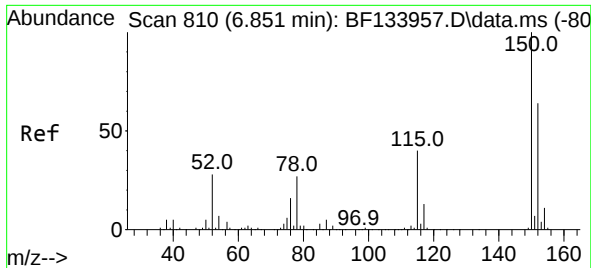
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 08:30:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
Response via : Initial Calibration





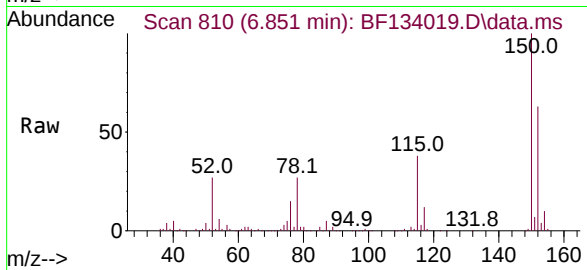
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

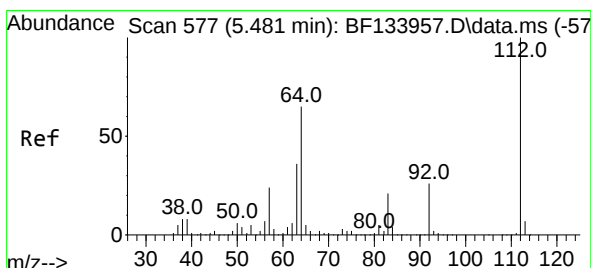
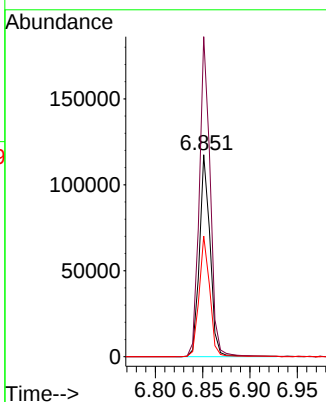
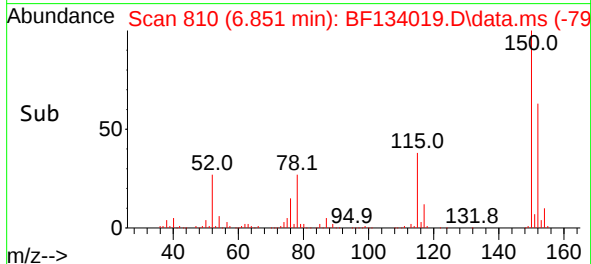


Tgt Ion:152 Resp: 92652
Ion Ratio Lower Upper
152 100
150 158.5 124.5 186.7
115 59.7 50.2 75.2

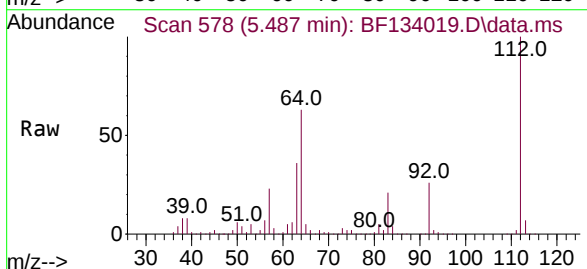
Manual Integrations

APPROVED

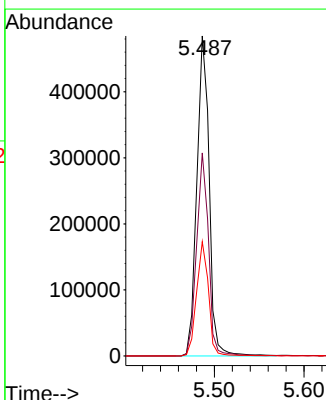
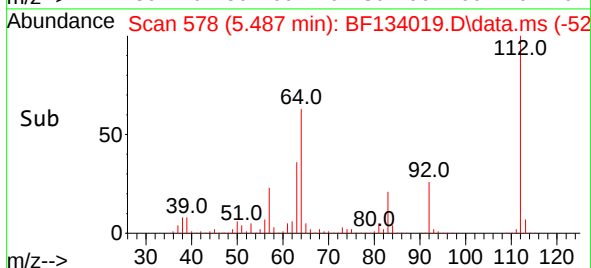
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

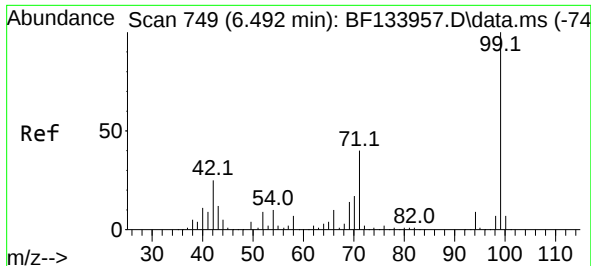


#5
2-Fluorophenol
Concen: 83.441 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59



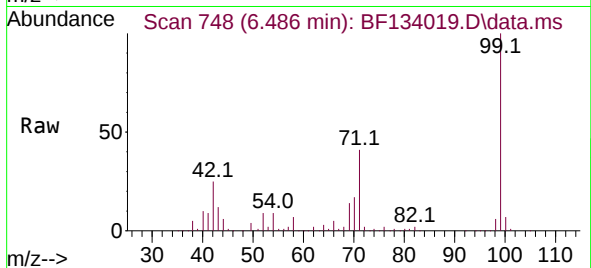
Tgt Ion:112 Resp: 462166
Ion Ratio Lower Upper
112 100
64 63.4 52.1 78.1
63 35.7 28.6 42.8





#7
Phenol-d6
Concen: 87.676 ng
RT: 6.486 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

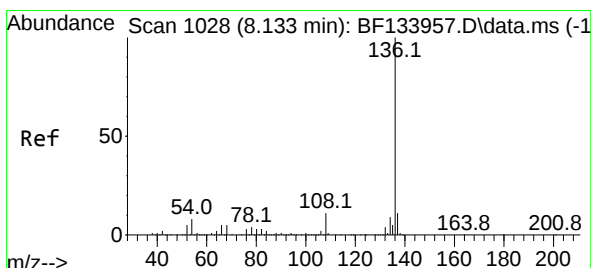
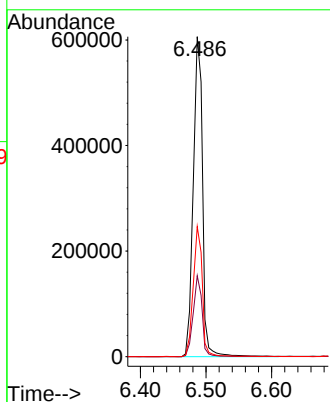
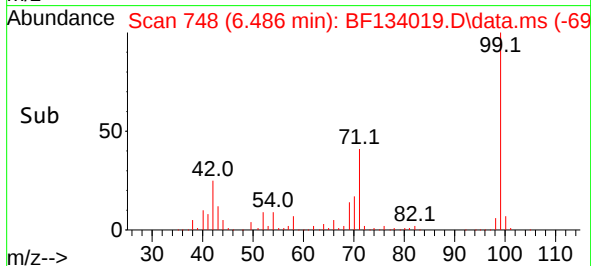
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP



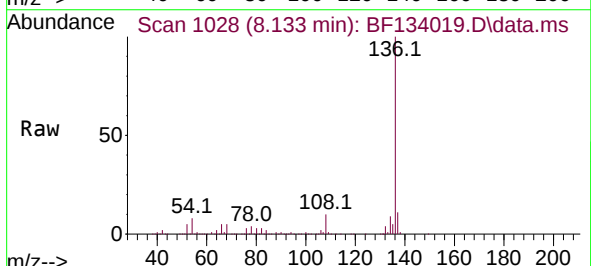
Tgt Ion: 99 Resp: 59722
Ion Ratio Lower Upper
99 100
42 25.3 19.8 29.6
71 40.7 31.9 47.9

Manual Integrations
APPROVED

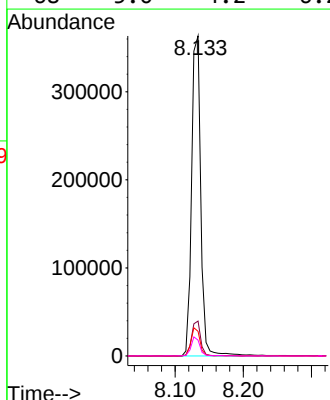
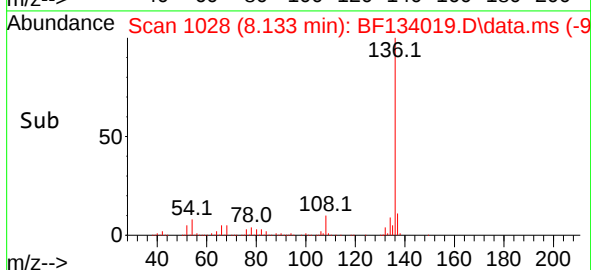
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59



Tgt Ion:136 Resp: 336853
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.7 6.5 9.7
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 64.460 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134019.D

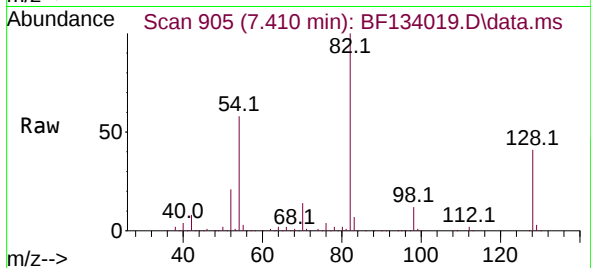
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP



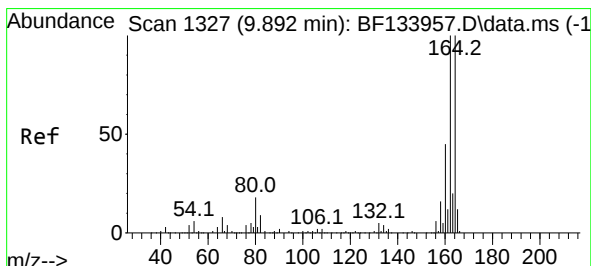
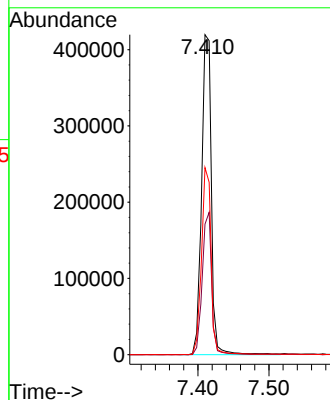
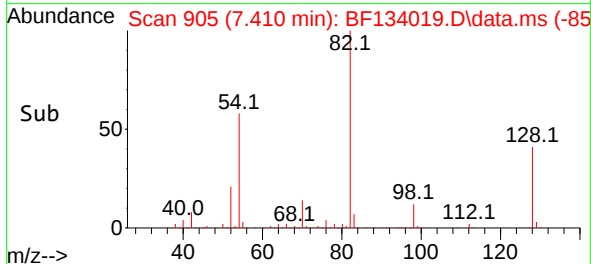
Tgt Ion: 82 Resp: 402808

Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.5	48.7
54	58.4	48.2	72.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

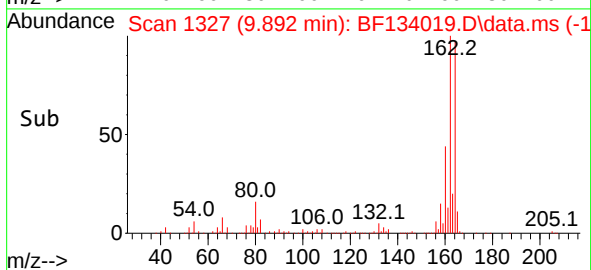
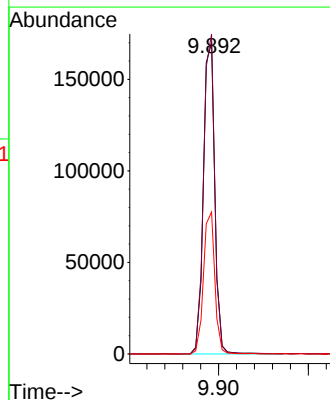
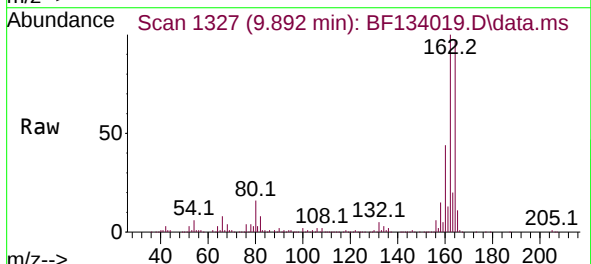
Delta R.T. 0.000 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Tgt Ion:164 Resp: 149365

Ion	Ratio	Lower	Upper
164	100		
162	102.9	80.0	120.0
160	45.6	35.9	53.9





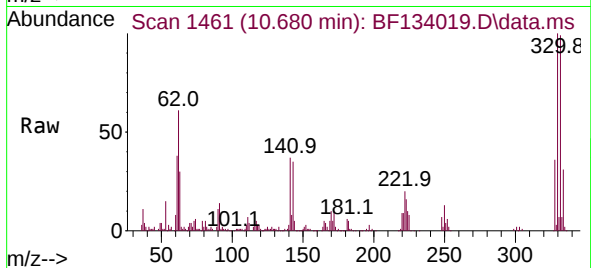
#42
2,4,6-Tribromophenol
Concen: 49.115 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP



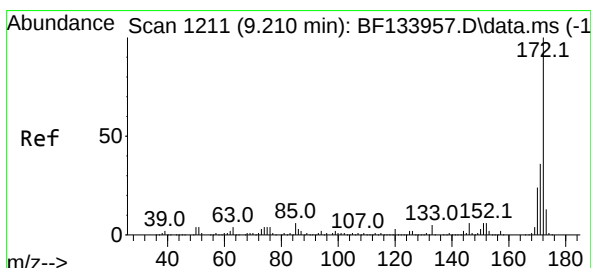
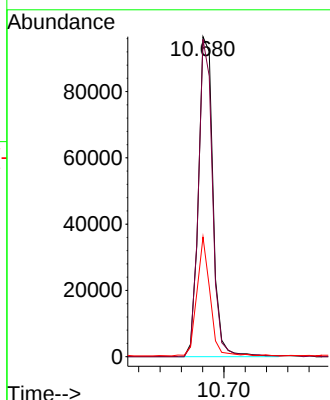
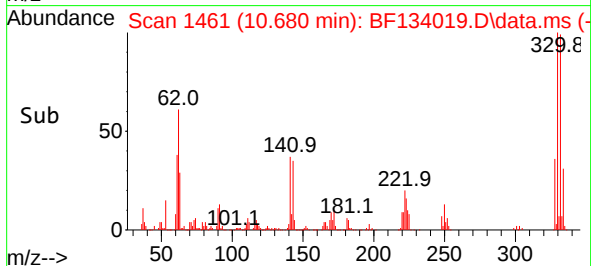
Tgt Ion:330 Resp: 91979
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 33.3 26.3 39.5

Manual Integrations

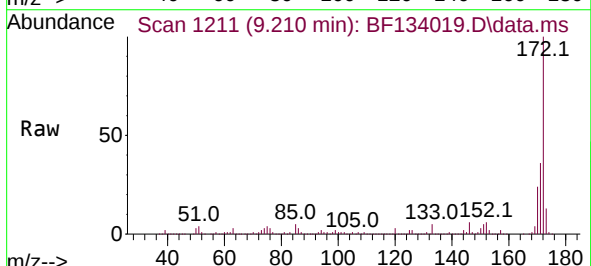
APPROVED

Reviewed By :Yogesh Patel 06/28/2023

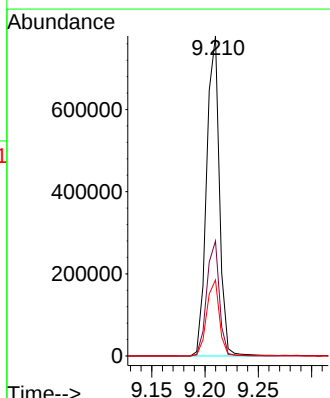
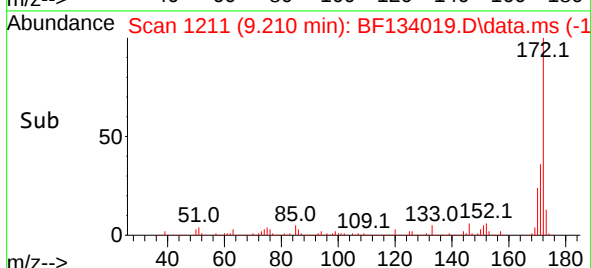
Supervised By :mohammad ahmed 06/29/2023

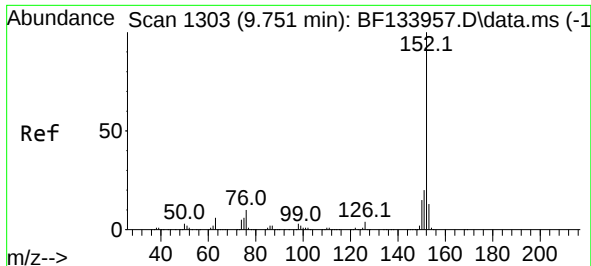


#45
2-Fluorobiphenyl
Concen: 63.550 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59



Tgt Ion:172 Resp: 652880
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.7 19.4 29.0





#49
Acenaphthylene
Concen: 2.128 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

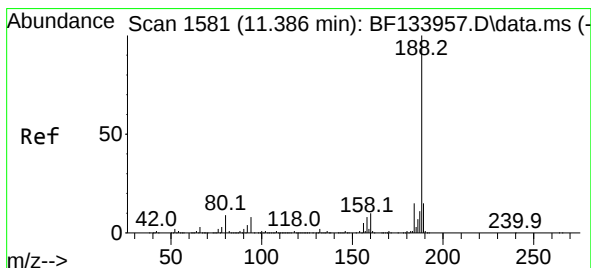
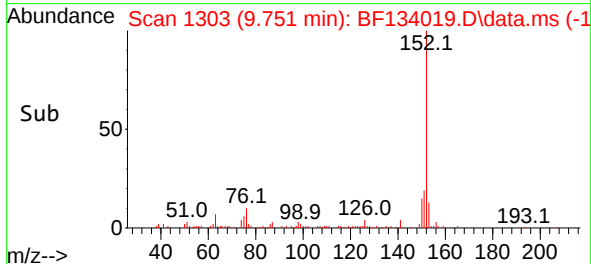
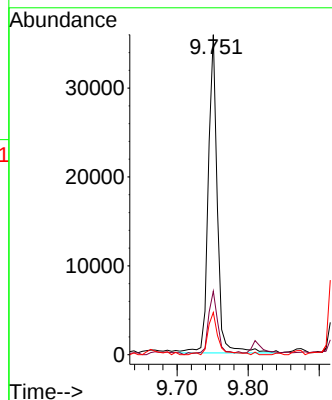
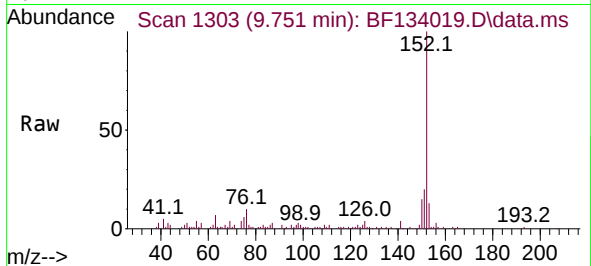
SB-03-COMP

Tgt Ion:152 Resp: 31874
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.2 10.8 16.2

Manual Integrations

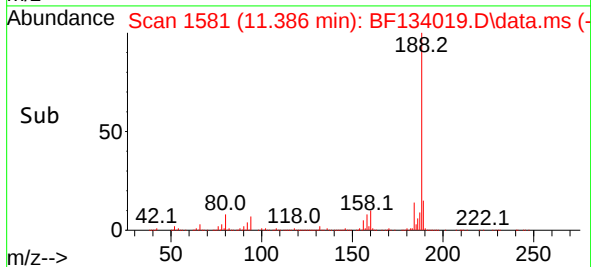
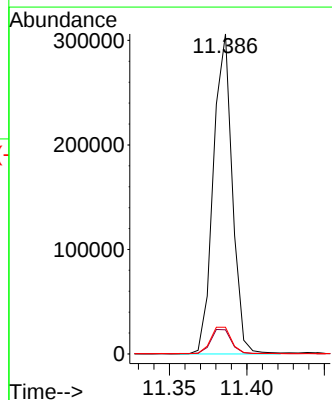
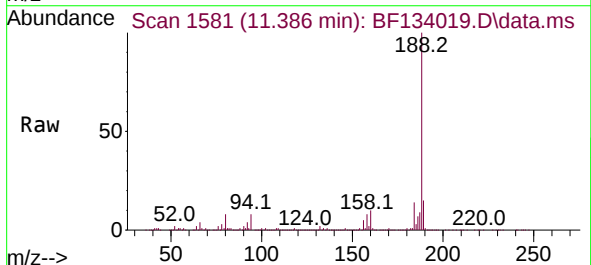
APPROVED

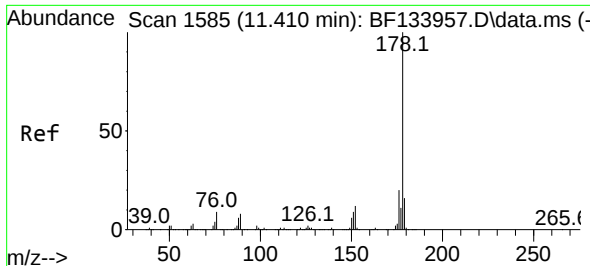
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:188 Resp: 260518
Ion Ratio Lower Upper
188 100
94 7.6 6.4 9.6
80 8.4 7.3 10.9





#71
Phenanthrene
Concen: 13.579 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

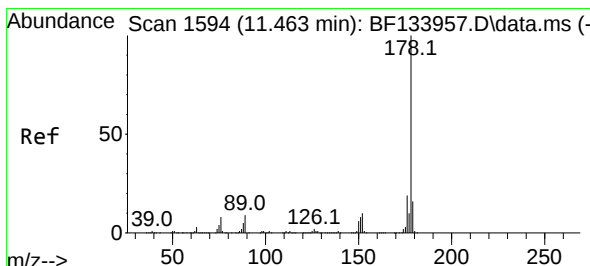
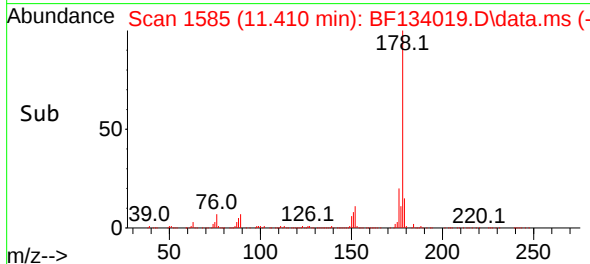
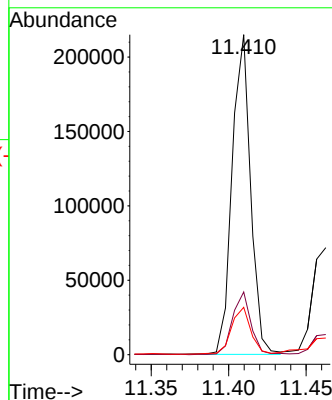
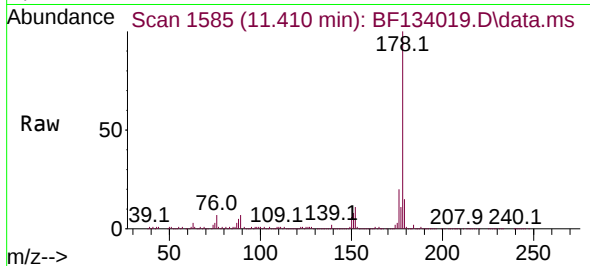
ClientSampleId :

SB-03-COMP

Tgt Ion:178 Resp: 17808
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 14.8 12.4 18.6

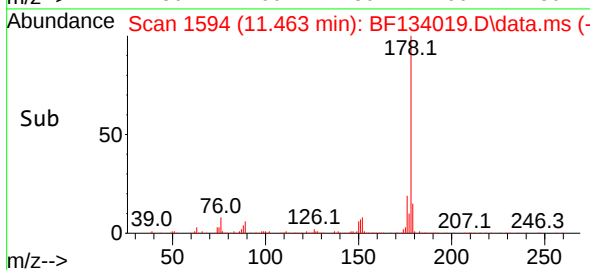
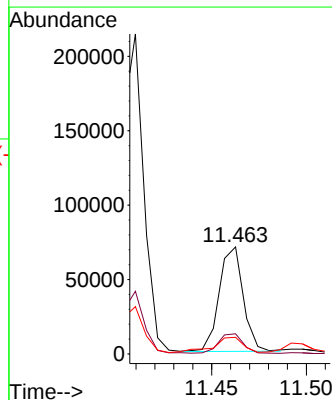
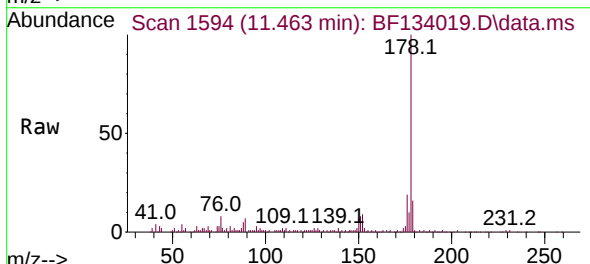
Manual Integrations
APPROVED

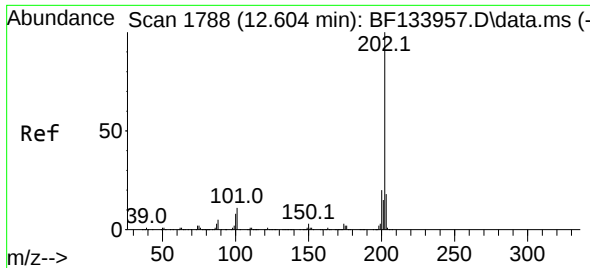
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#72
Anthracene
Concen: 4.566 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:178 Resp: 62288
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 36.447 ng
RT: 12.610 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

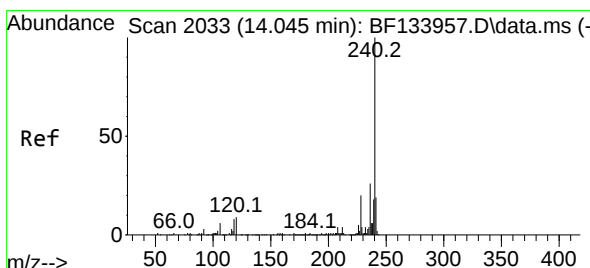
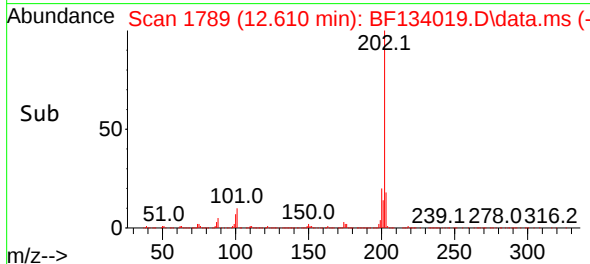
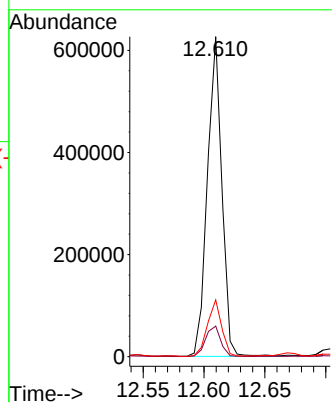
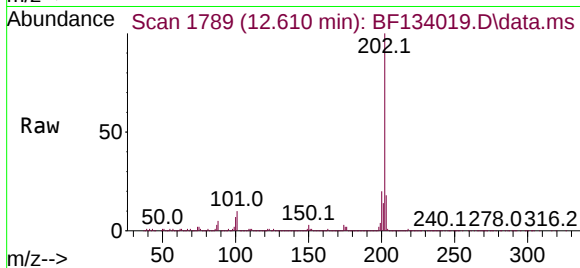
SB-03-COMP

Tgt Ion:202 Resp: 516762
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 17.7 0.0 37.6

Manual Integrations

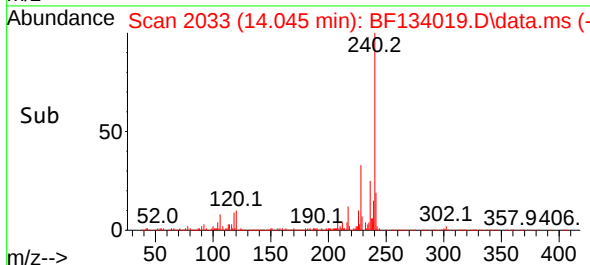
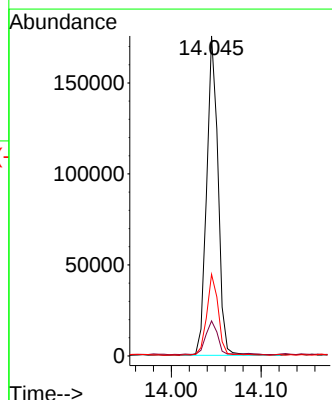
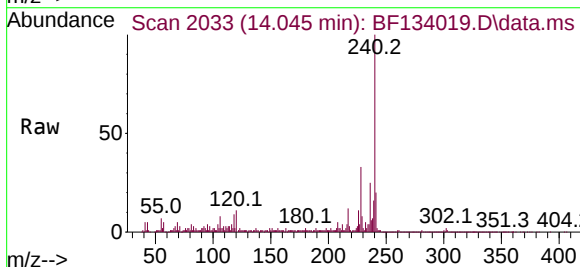
APPROVED

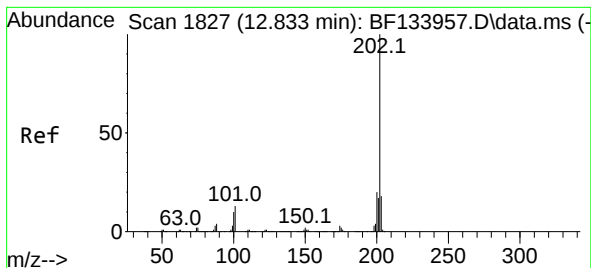
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:240 Resp: 154259
Ion Ratio Lower Upper
240 100
120 11.0 7.4 11.0
236 25.5 21.0 31.6





#78

Pyrene

Concen: 31.995 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tgt Ion:202 Resp: 45931

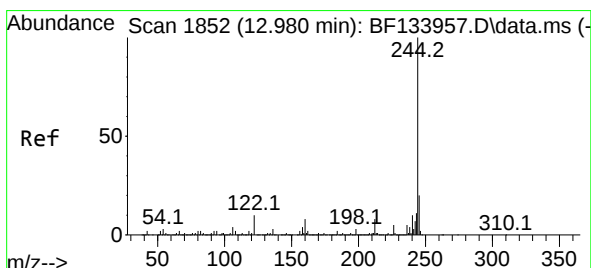
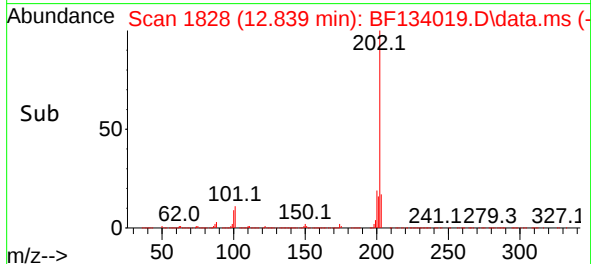
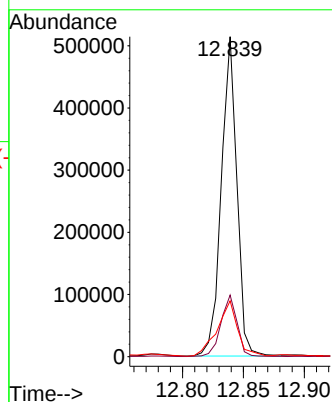
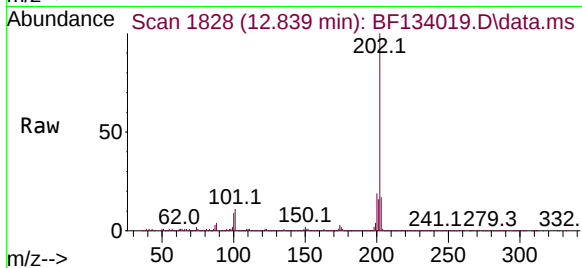
Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.1	24.1
203	17.5	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#79

Terphenyl-d14

Concen: 80.378 ng

RT: 12.980 min Scan# 1852

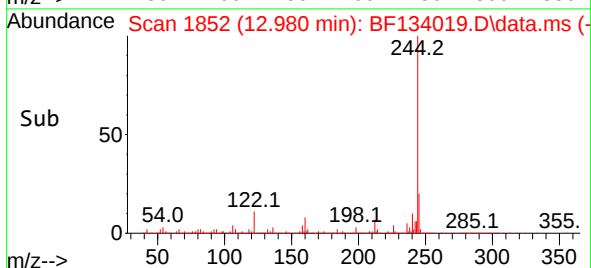
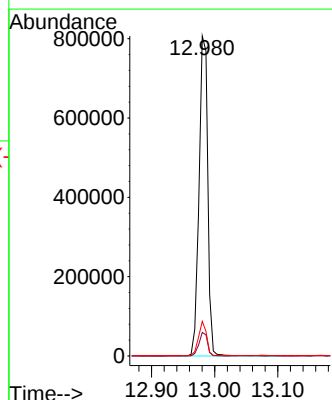
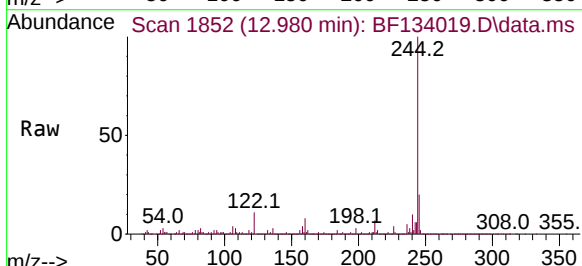
Delta R.T. 0.000 min

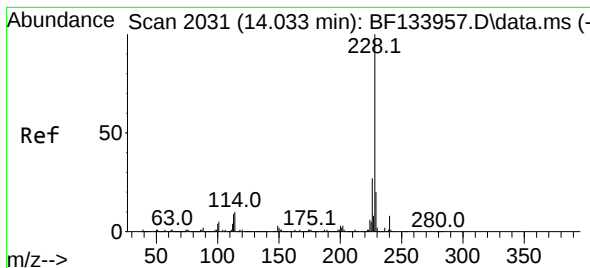
Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Tgt Ion:244 Resp: 770402

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	10.8	8.3	12.5





#81

Benzo(a)anthracene

Concen: 18.206 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tgt Ion:228 Resp: 19476

Ion Ratio Lower Upper

228 100

226 29.2 22.0 33.0

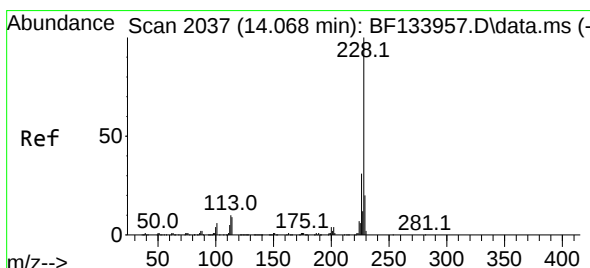
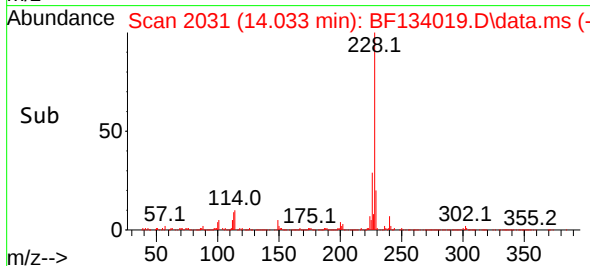
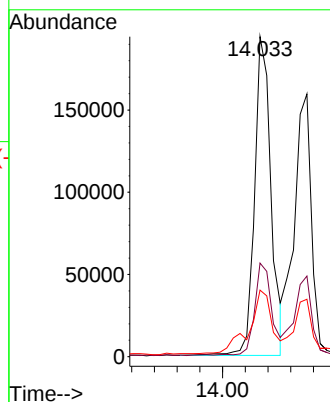
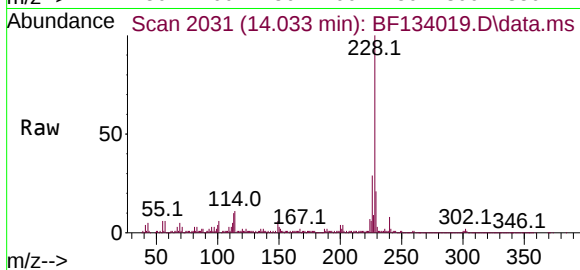
229 20.8 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#83

Chrysene

Concen: 16.288 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

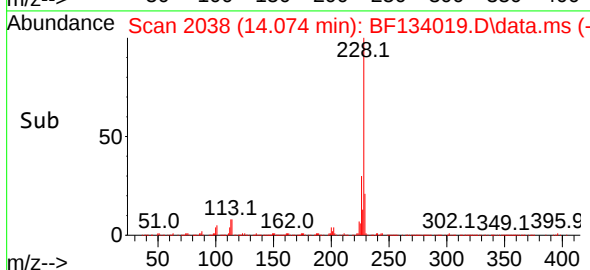
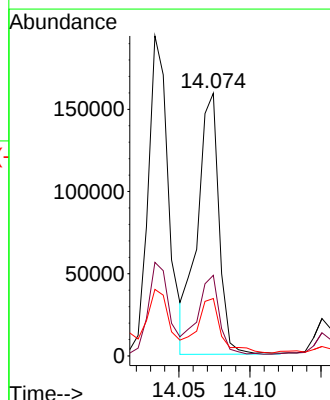
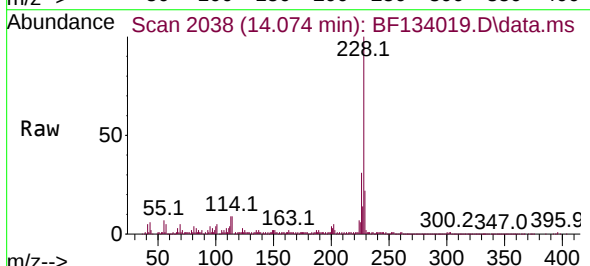
Tgt Ion:228 Resp: 168771

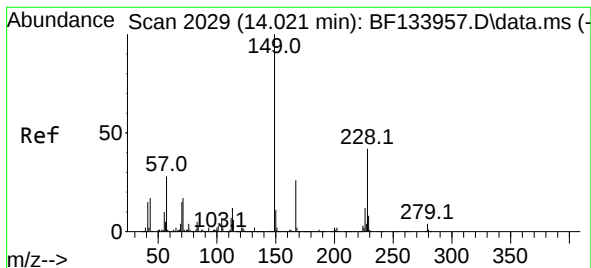
Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 21.9 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.888 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

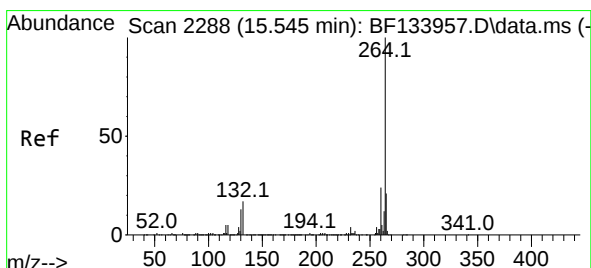
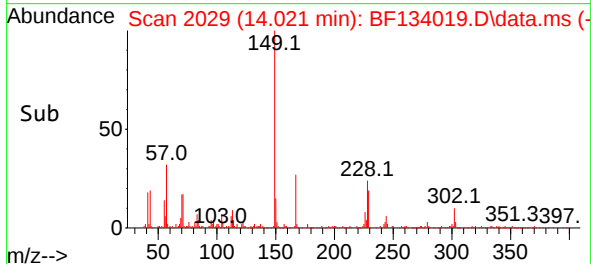
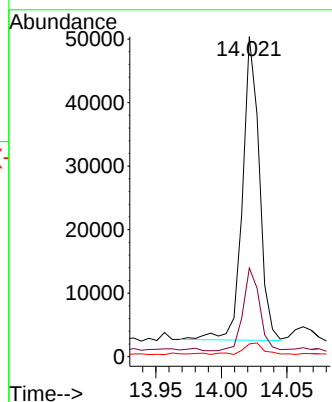
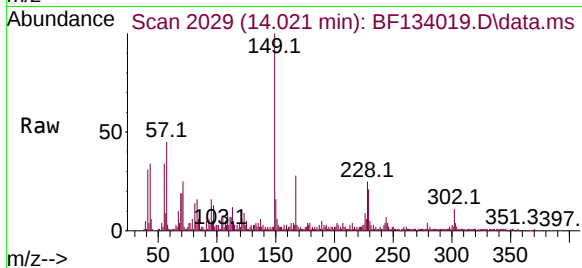
SB-03-COMP

Tgt Ion:149 Resp: 42615
Ion Ratio Lower Upper
149 100
167 27.7 21.0 31.4
279 4.0 3.3 4.9

Manual Integrations

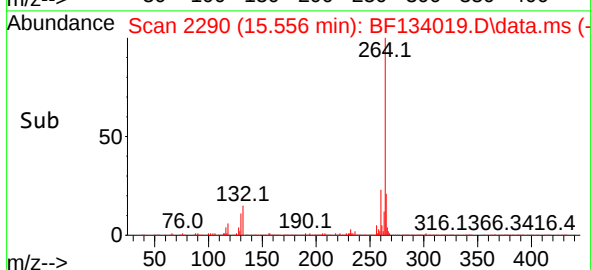
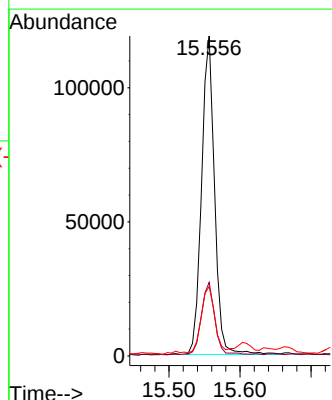
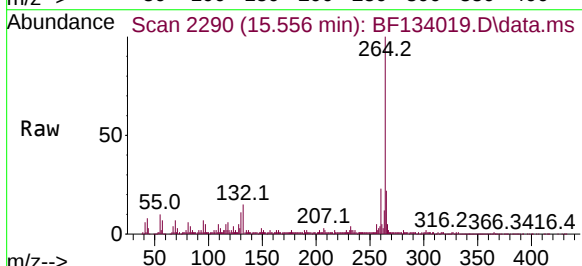
APPROVED

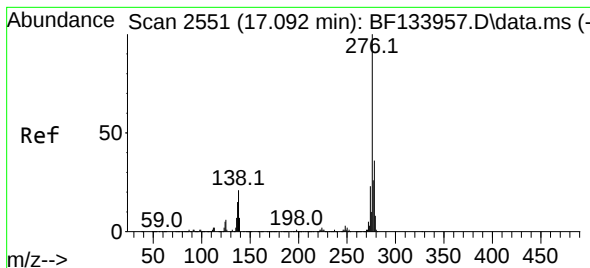
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2290
Delta R.T. 0.012 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:264 Resp: 151767
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 21.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.850 ng

RT: 17.103 min Scan# 2110

Delta R.T. 0.012 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

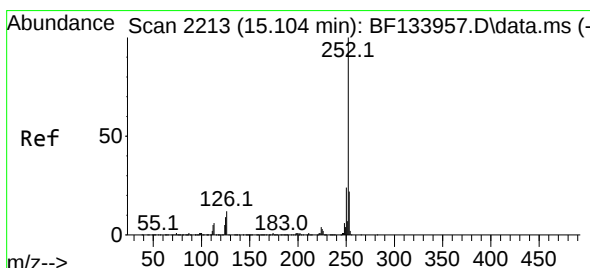
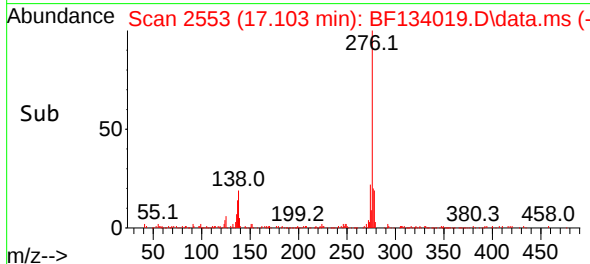
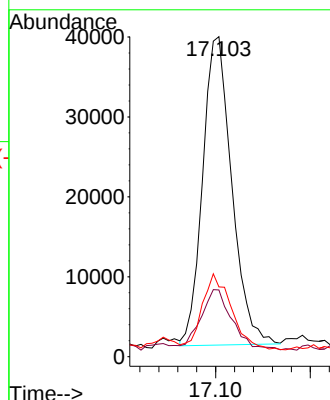
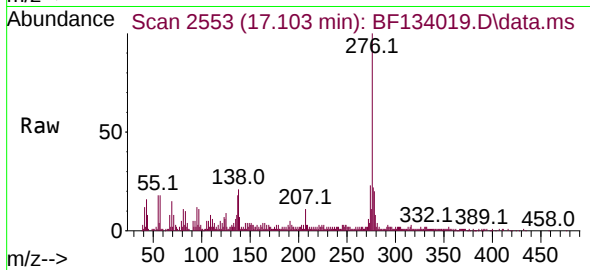
Tgt Ion:	276	Resp:	8266
Ion Ratio	Lower	Upper	
276	100		
138	20.2	18.7	28.1
277	24.9	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#88

Benzo(b)fluoranthene

Concen: 21.269 ng m

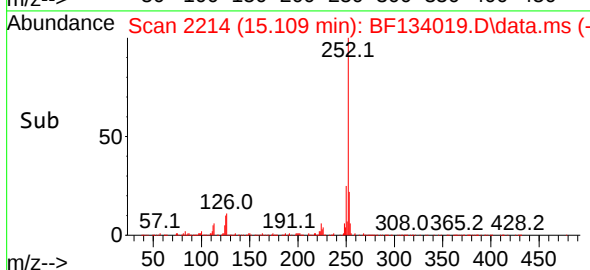
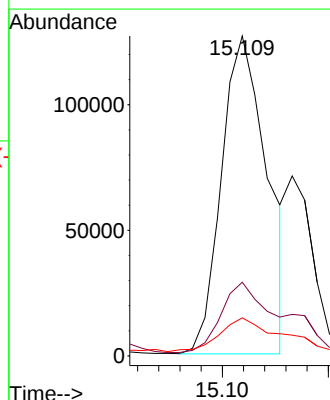
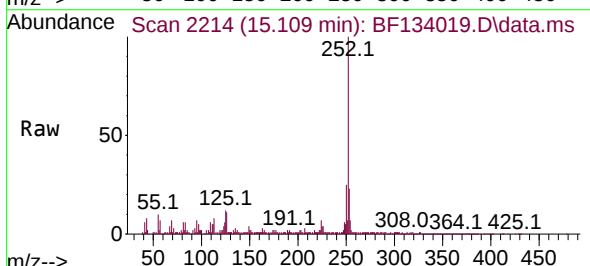
RT: 15.109 min Scan# 2214

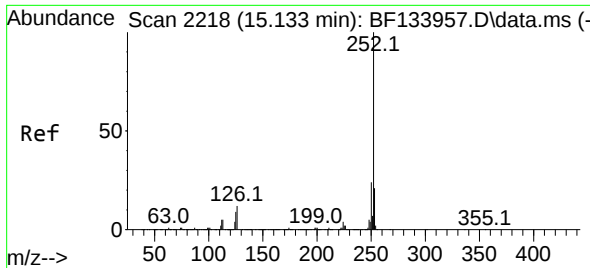
Delta R.T. 0.006 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Tgt Ion:	252	Resp:	189806
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	11.9	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 6.665 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

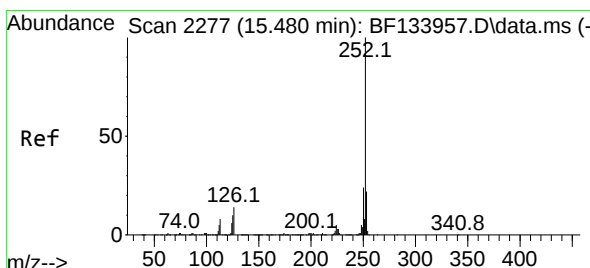
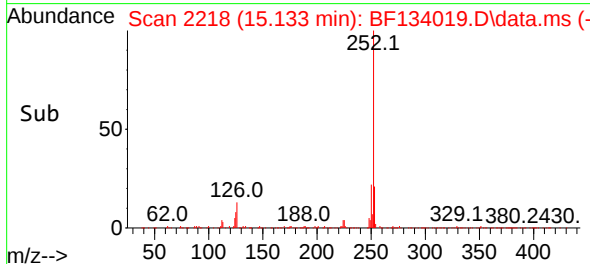
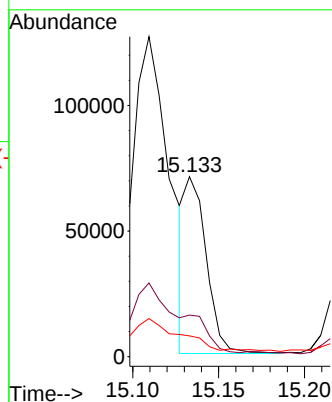
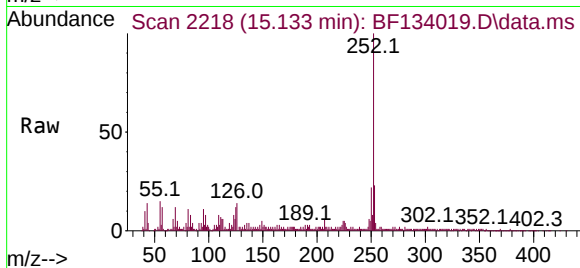
SB-03-COMP

Tgt Ion:252 Resp: 60559
Ion Ratio Lower Upper
252 100
253 23.1 16.9 25.3
125 11.6 7.4 11.2

Manual Integrations

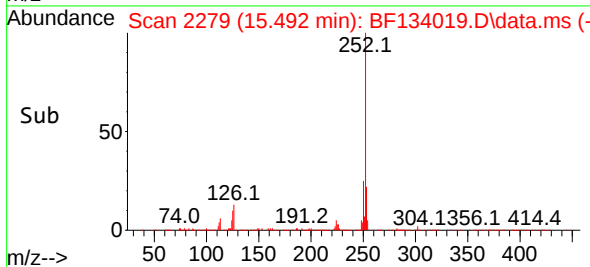
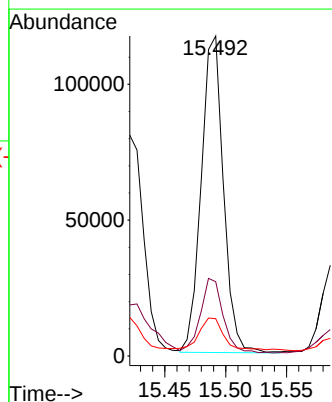
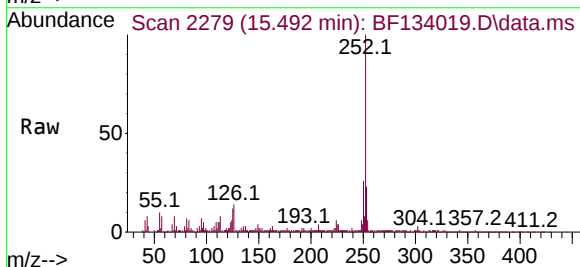
APPROVED

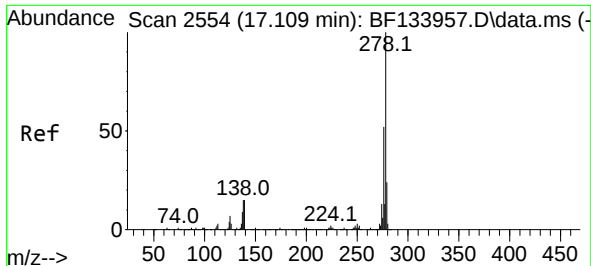
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#90
Benzo(a)pyrene
Concen: 17.113 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:252 Resp: 147675
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 11.6 8.4 12.6





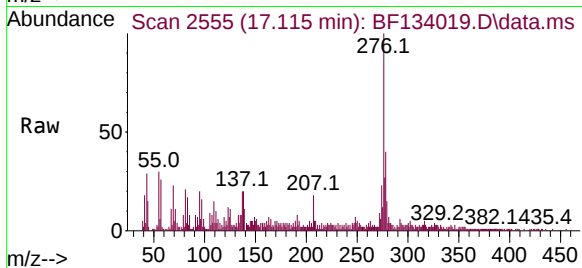
#91
Dibenzo(a,h)anthracene
Concen: 2.376 ng
RT: 17.115 min Scan# 2555
Delta R.T. 0.006 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

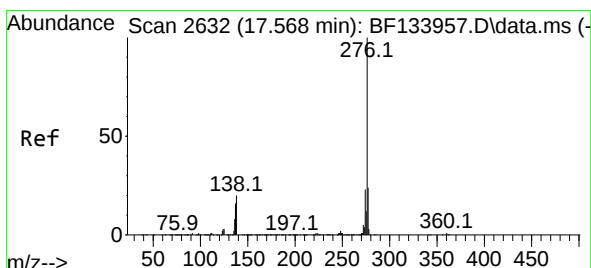
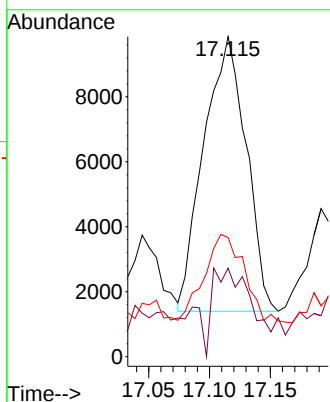
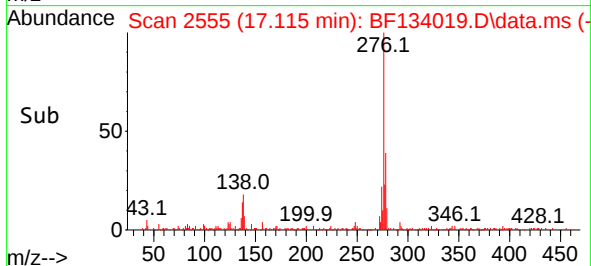


Tgt Ion:278 Resp: 2043
Ion Ratio Lower Upper
278 100
139 27.7 12.2 18.4
279 37.2 19.4 29.2

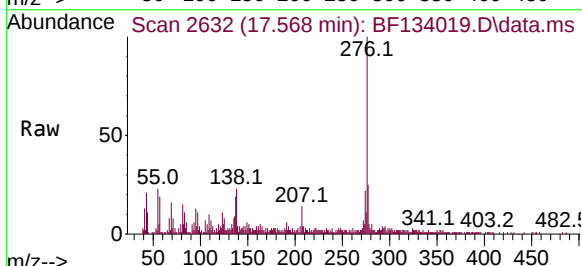
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#92
Benzo(g,h,i)perylene
Concen: 8.873 ng
RT: 17.568 min Scan# 2632
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59



Tgt Ion:276 Resp: 78710
Ion Ratio Lower Upper
276 100
277 25.1 19.0 28.6
138 23.0 16.2 24.2

