

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134140.D
 Acq On : 07 Jul 2023 16:24
 Operator : CG\JU
 Sample : 03362-14 4X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

Quant Time: Jul 07 23:05:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

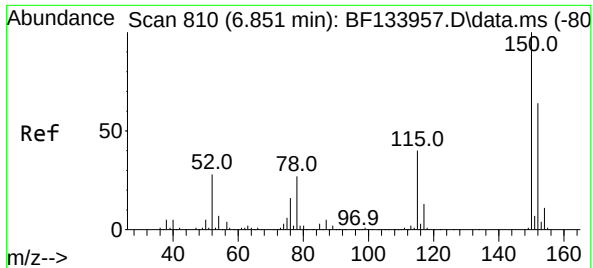
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/09/2023
 Supervised By :mohammad ahmed 07/09/2023

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

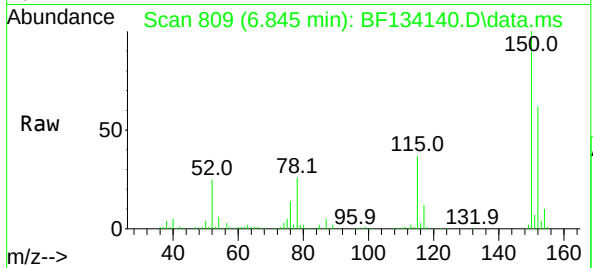
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	102843	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	388013	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	165233	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	264845	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	211331	20.000	ng	-0.01
86) Perylene-d12	15.545	264	175764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	159482	25.940	ng	-0.01
7) Phenol-d6	6.475	99	191567	25.336	ng	-0.02
23) Nitrobenzene-d5	7.404	82	124314	17.271	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	41131	19.854	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	249076	21.916	ng	-0.01
79) Terphenyl-d14	12.974	244	212961	16.218	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.745	152	58081	3.506	ng	97
71) Phenanthrene	11.398	178	126172	9.463	ng	99
72) Anthracene	11.451	178	80198	5.783	ng	97
75) Fluoranthene	12.598	202	619850	43.004	ng	100
78) Pyrene	12.833	202	542244	27.571	ng	99
81) Benzo(a)anthracene	14.027	228	342488	23.368	ng	98
83) Chrysene	14.063	228	305255	21.504	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	85043	6.973	ng	95
88) Benzo(b)fluoranthene	15.098	252	299407m	28.970	ng	
89) Benzo(k)fluoranthene	15.127	252	116545m	11.076	ng	
90) Benzo(a)pyrene	15.480	252	169685	16.979	ng	98
91) Dibenzo(a,h)anthracene	17.092	278	22473m	2.256	ng	
92) Benzo(g,h,i)perylene	17.551	276	74280	7.231	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

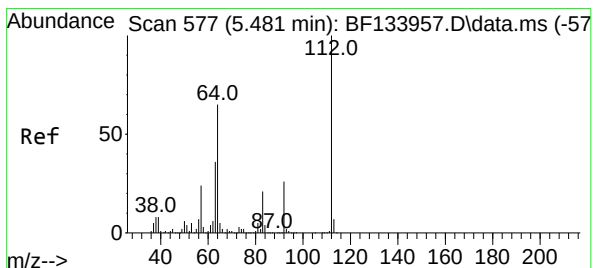
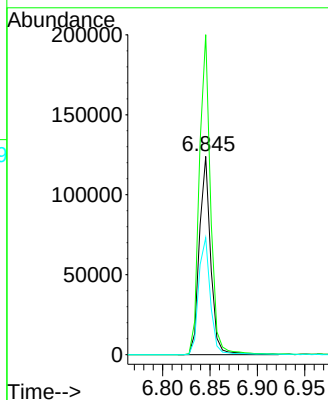
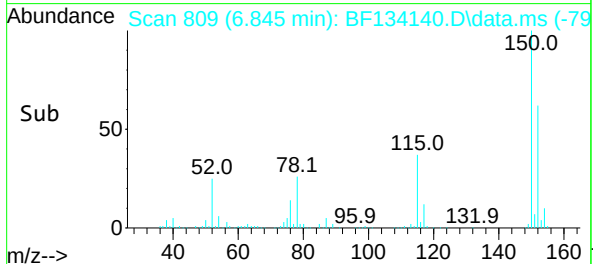
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:152 Resp: 10284
Ion Ratio Lower Upper
152 100
150 161.4 124.5 186.7
115 59.0 50.2 75.2

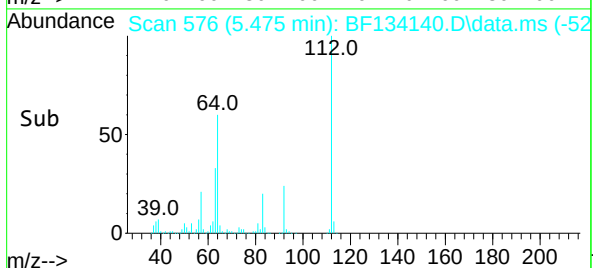
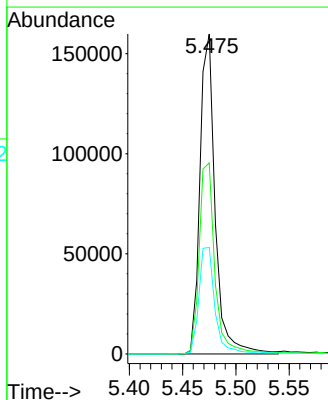
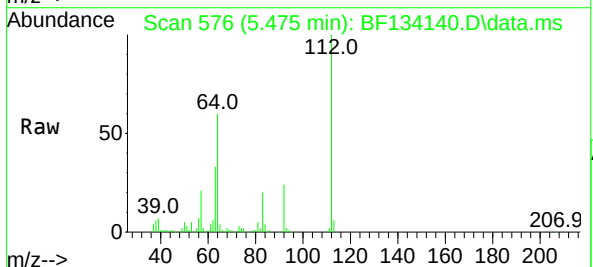
Manual Integrations
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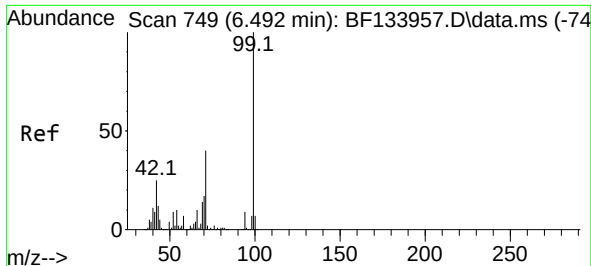
Reviewed By :Yogesh Patel 07/09/2023
Supervised By :mohammad ahmed 07/09/2023



#5
2-Fluorophenol
Concen: 25.940 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

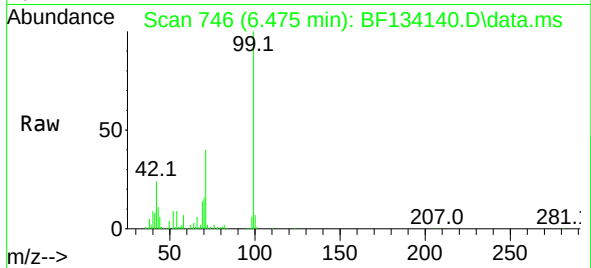
Tgt Ion:112 Resp: 159482
Ion Ratio Lower Upper
112 100
64 59.7 52.1 78.1
63 33.3 28.6 42.8





#7
Phenol-d6
Concen: 25.336 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.018 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

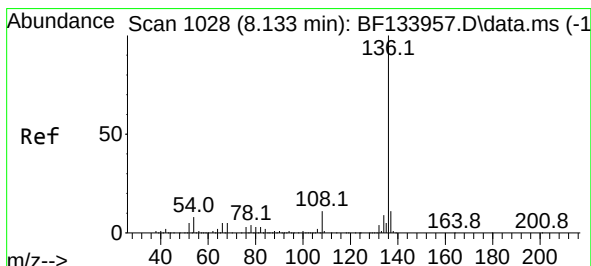
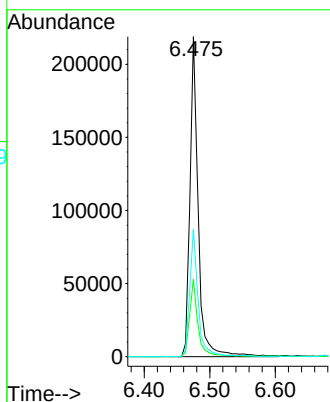
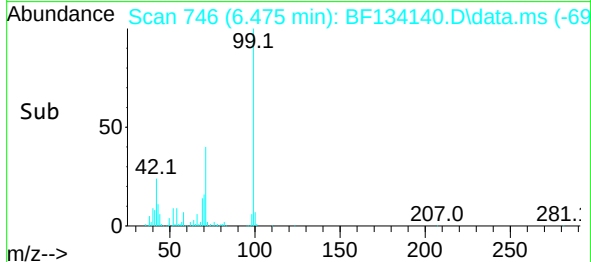
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



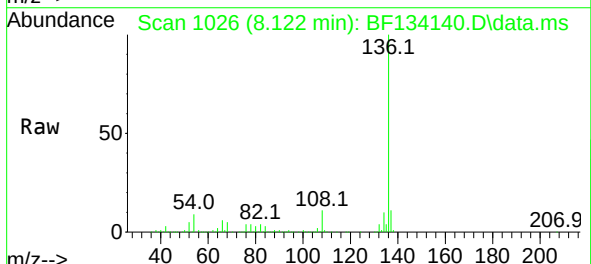
Tgt Ion: 99 Resp: 19156
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.6
71 39.9 31.9 47.9

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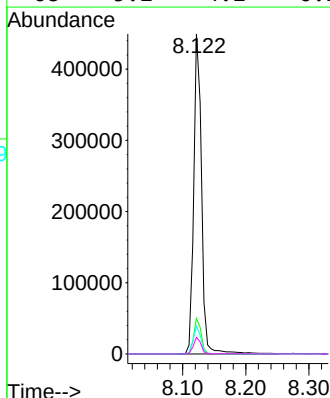
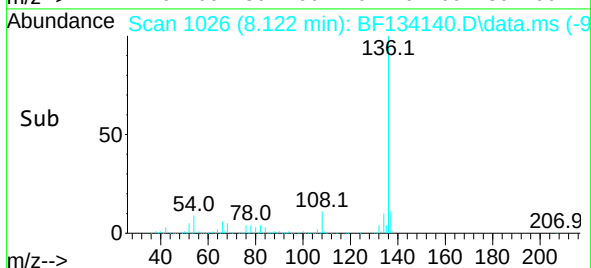
Reviewed By :Yogesh Patel 07/09/2023
Supervised By :mohammad ahmed 07/09/2023

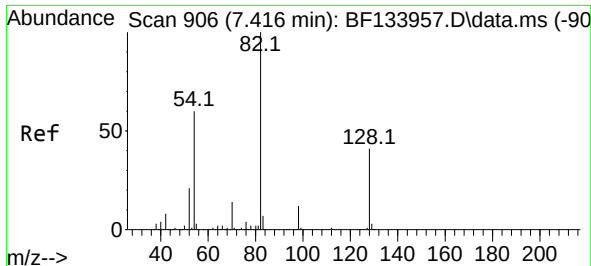


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24



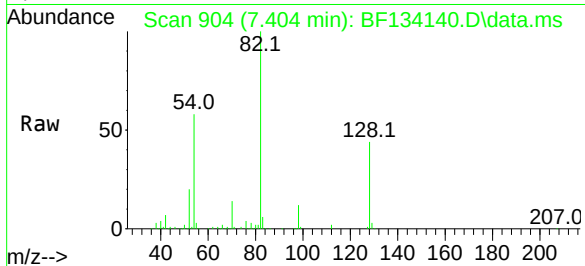
Tgt Ion:136 Resp: 388013
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.7 6.5 9.7
68 5.2 4.2 6.2





#23
Nitrobenzene-d5
Concen: 17.271 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

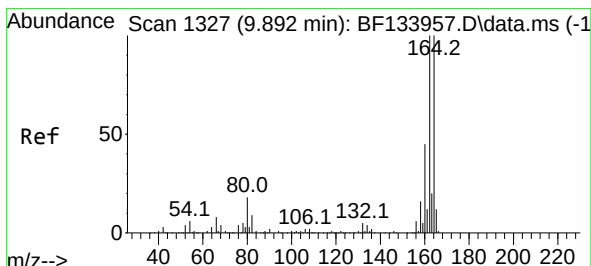
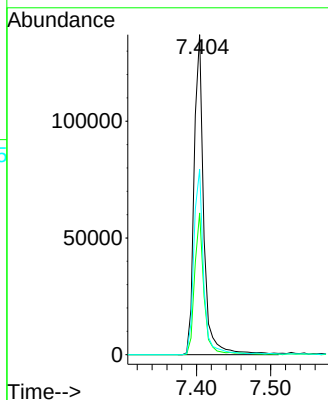
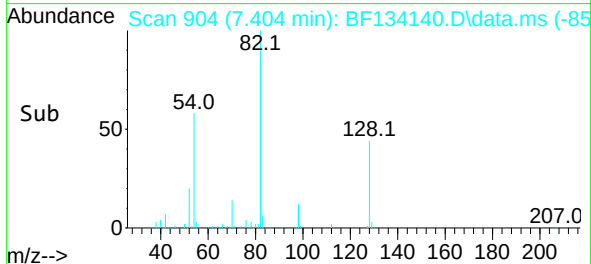
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion: 82 Resp: 124314
Ion Ratio Lower Upper
82 100
128 44.3 32.5 48.7
54 57.9 48.2 72.2

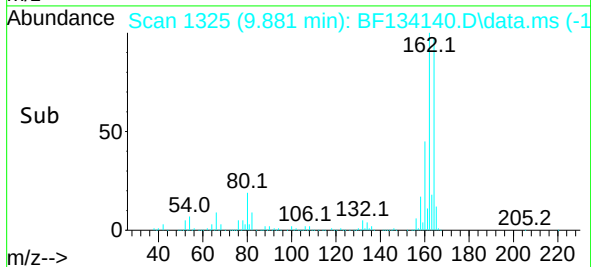
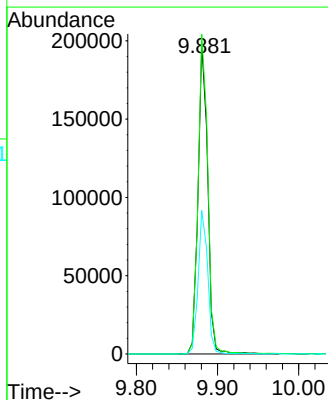
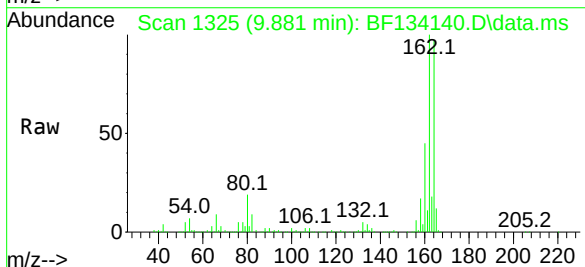
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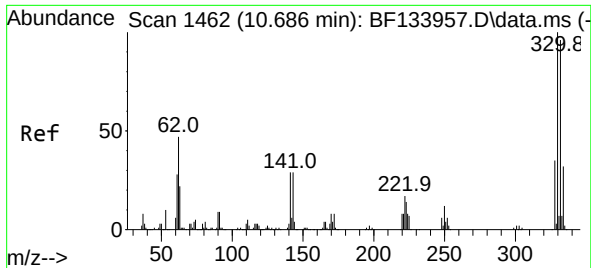
Reviewed By :Yogesh Patel 07/09/2023
Supervised By :mohammad ahmed 07/09/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

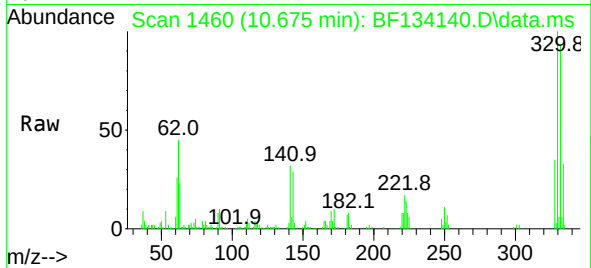
Tgt Ion:164 Resp: 165233
Ion Ratio Lower Upper
164 100
162 103.2 80.0 120.0
160 46.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 19.854 ng
RT: 10.675 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

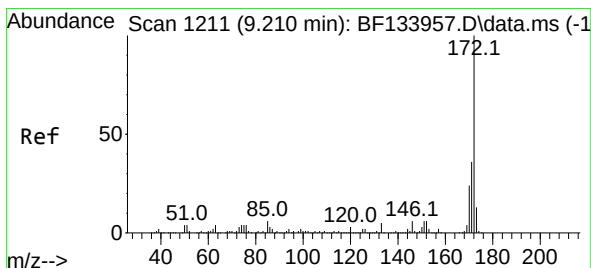
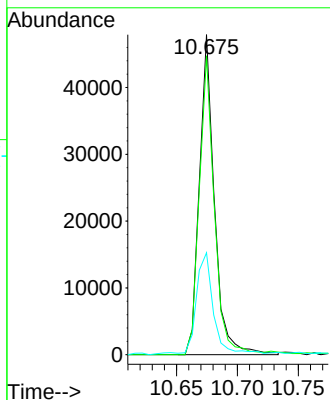
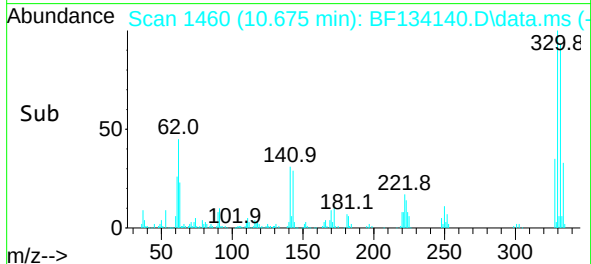
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



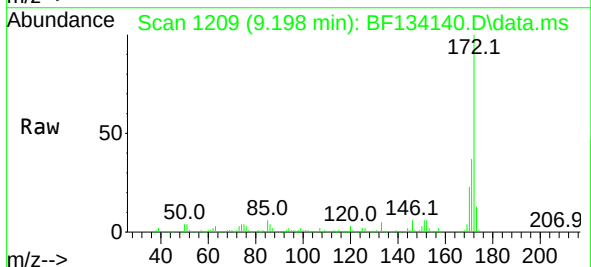
Tgt Ion: 330 Resp: 4113
Ion Ratio Lower Upper
330 100
332 93.5 77.0 115.6
141 37.2 26.3 39.5

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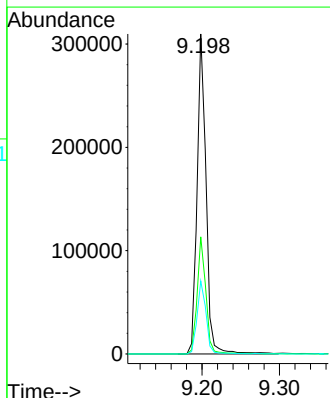
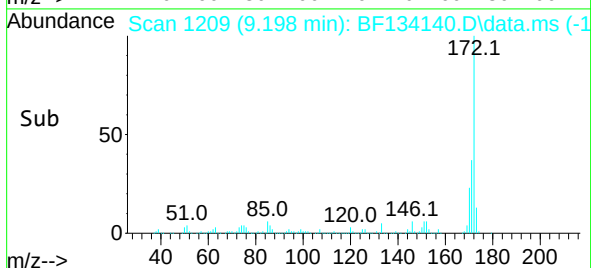
Reviewed By : Yogesh Patel 07/09/2023
Supervised By : mohammad ahmed 07/09/2023

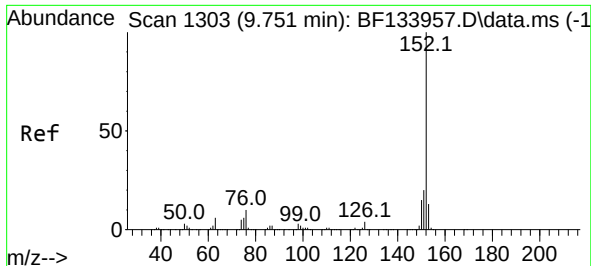


#45
2-Fluorobiphenyl
Concen: 21.916 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24



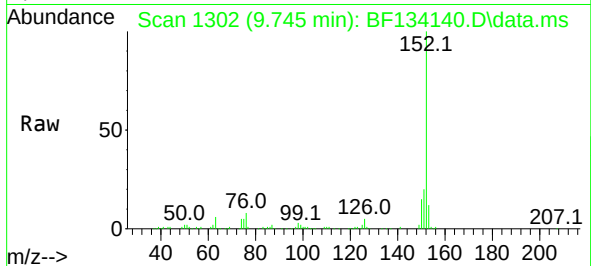
Tgt Ion: 172 Resp: 249076
Ion Ratio Lower Upper
172 100
171 36.6 28.6 43.0
170 22.8 19.4 29.0





#49
Acenaphthylene
Concen: 3.506 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

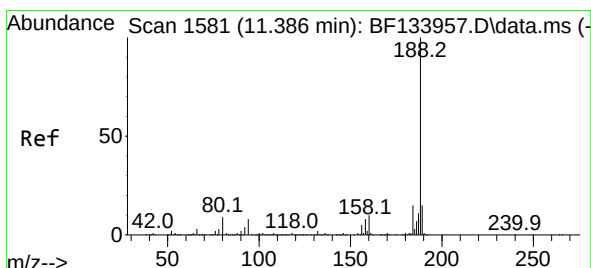
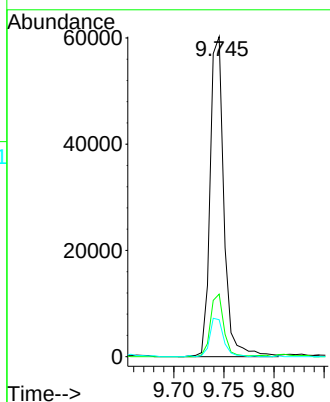
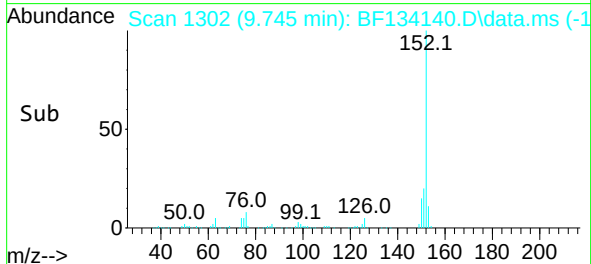
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



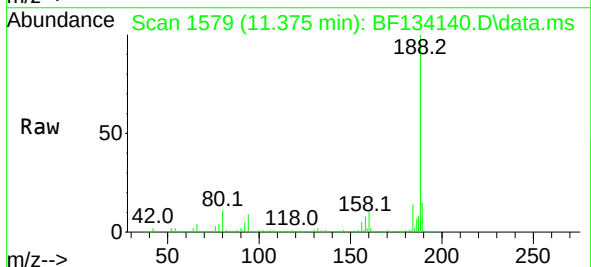
Tgt Ion:152 Resp: 5808
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 11.5 10.8 16.2

Manual Integrations
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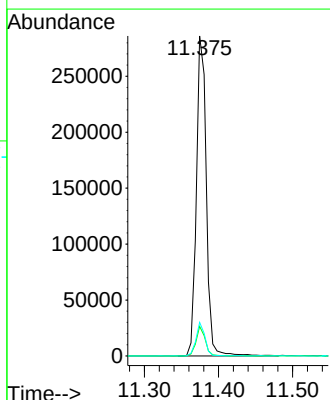
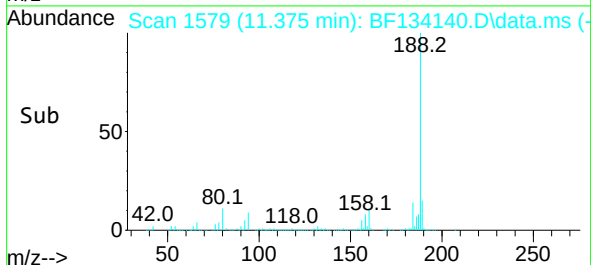
Reviewed By :Yogesh Patel 07/09/2023
Supervised By :mohammad ahmed 07/09/2023

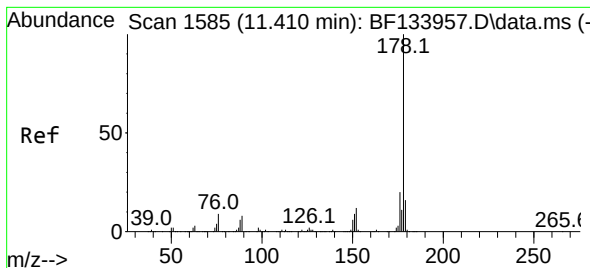


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24



Tgt Ion:188 Resp: 264845
Ion Ratio Lower Upper
188 100
94 9.3 6.4 9.6
80 10.5 7.3 10.9





#71

Phenanthrene

Concen: 9.463 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

Tgt Ion:178 Resp: 126172

Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

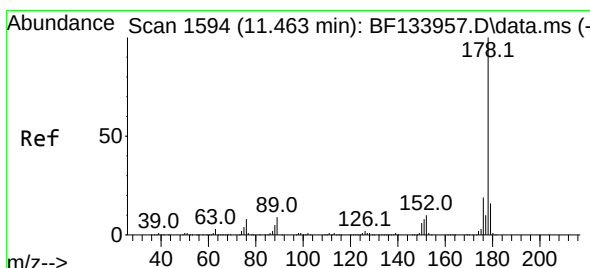
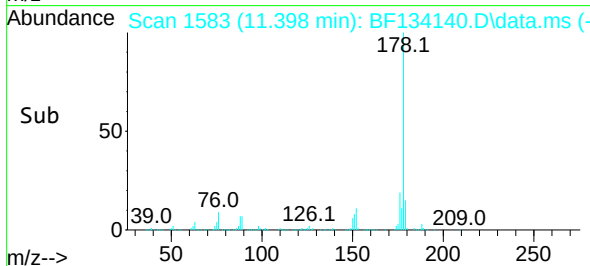
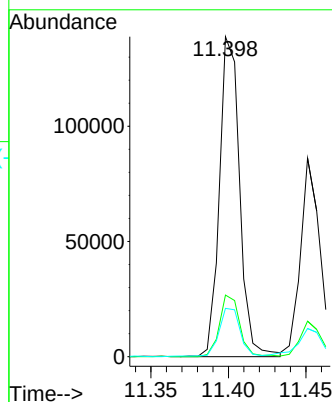
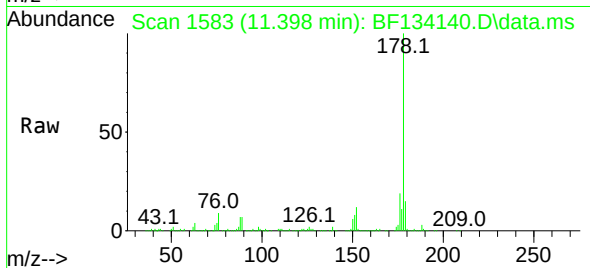
179 15.1 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/09/2023

Supervised By :mohammad ahmed 07/09/2023



#72

Anthracene

Concen: 5.783 ng

RT: 11.451 min Scan# 1592

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

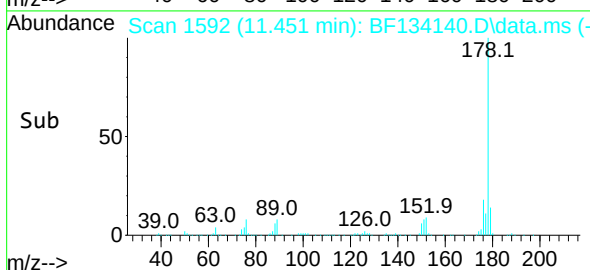
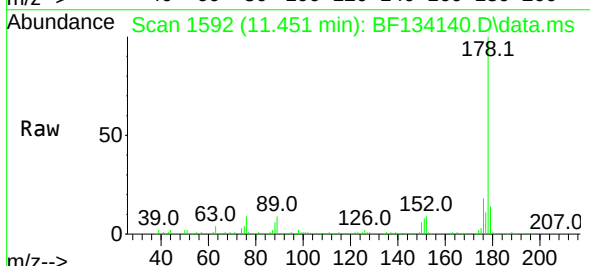
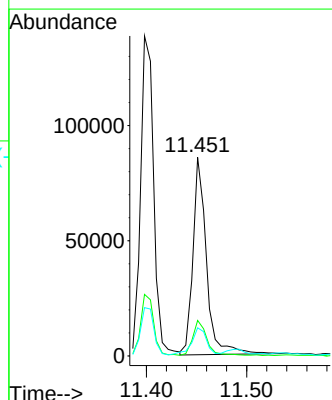
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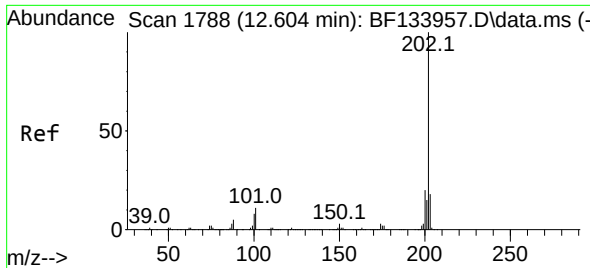
Ion Ratio Lower Upper

178 100

176 17.9 15.3 22.9

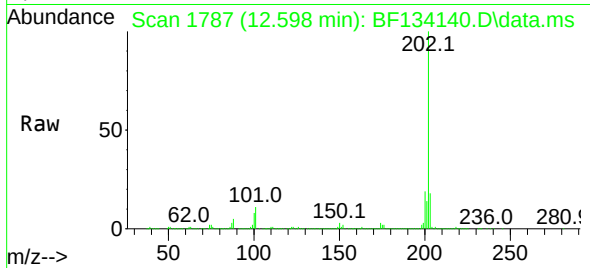
179 14.2 12.4 18.6





#75
Fluoranthene
Concen: 43.004 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

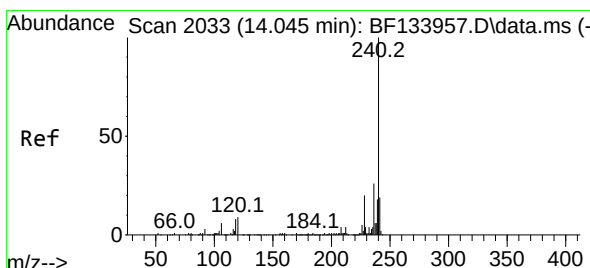
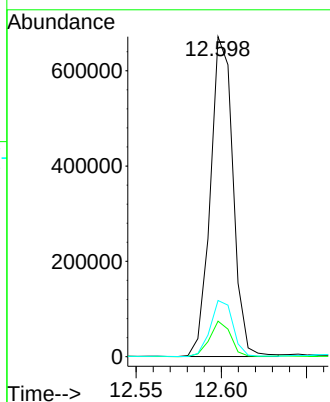
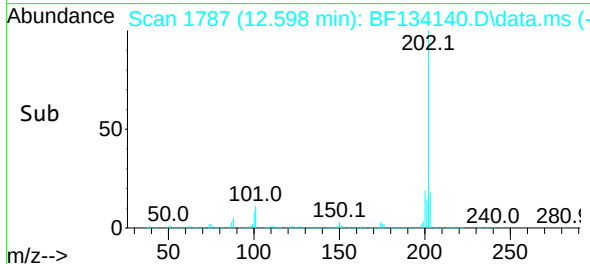
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:202 Resp: 619850
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.0
203 17.5 0.0 37.6

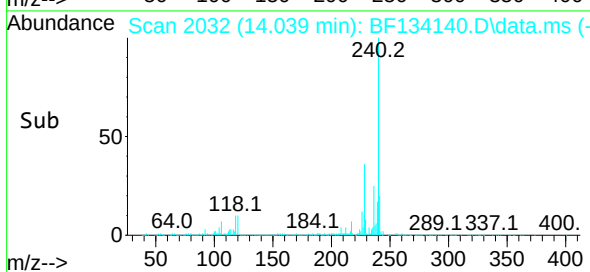
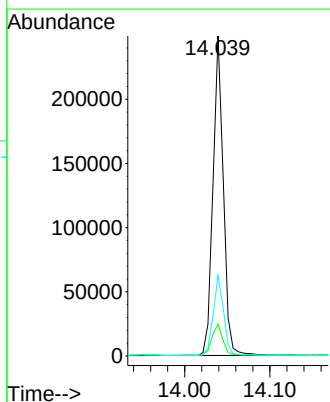
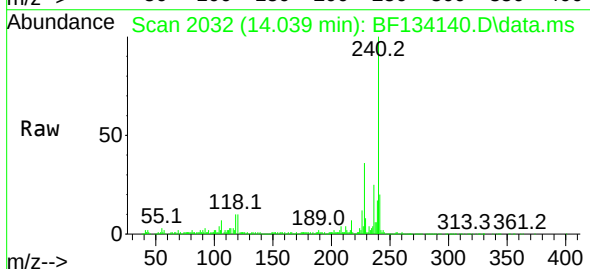
Manual Integrations
APPROVED

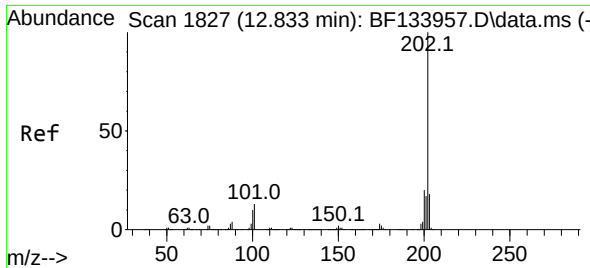
Reviewed By :Yogesh Patel 07/09/2023
Supervised By :mohammad ahmed 07/09/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

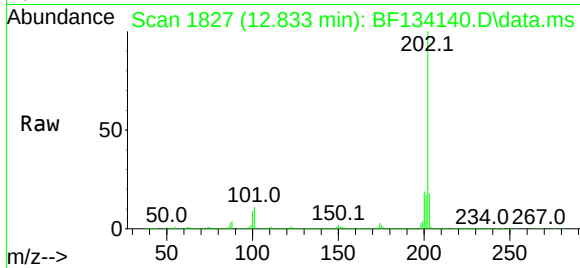
Tgt Ion:240 Resp: 211331
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 25.1 21.0 31.6





#78
Pyrene
Concen: 27.571 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

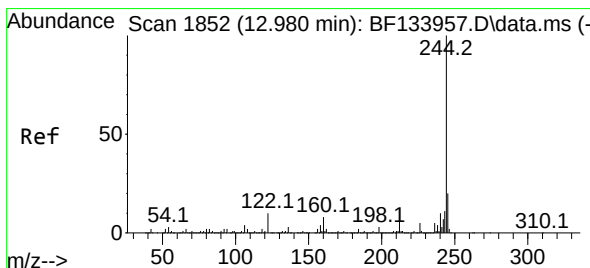
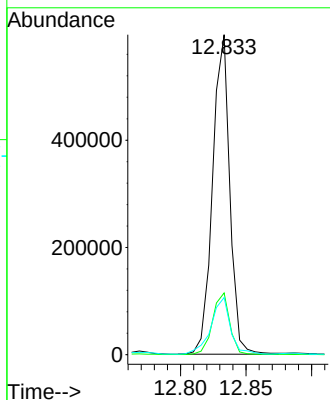
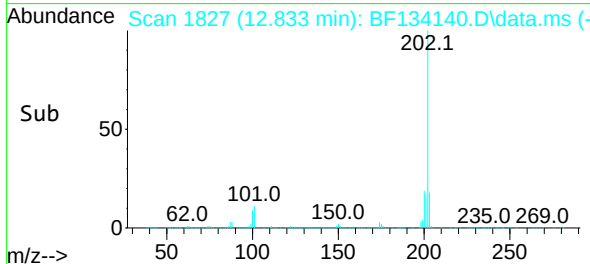
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



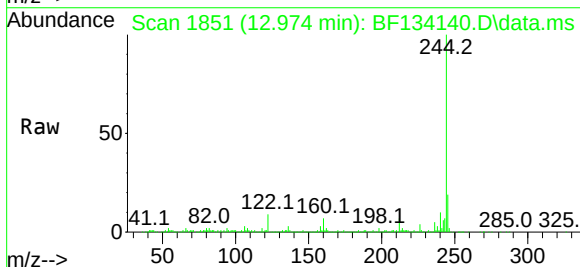
Tgt Ion:202 Resp: 54224
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 17.9 14.3 21.5

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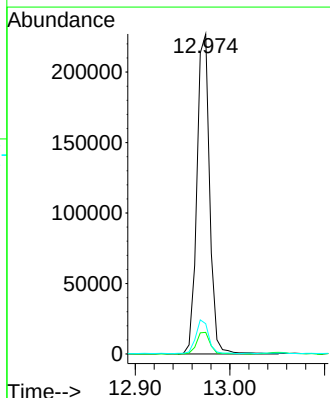
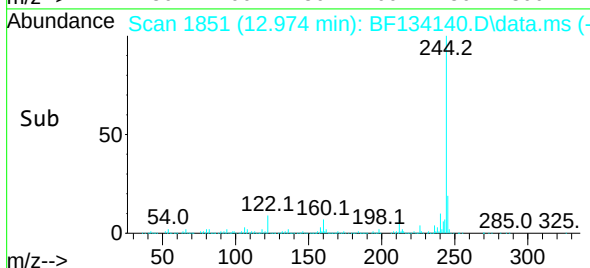
Reviewed By :Yogesh Patel 07/09/2023
Supervised By :mohammad ahmed 07/09/2023

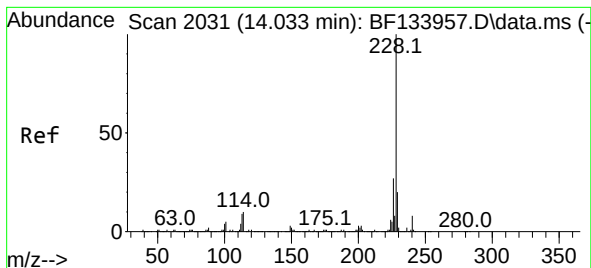


#79
Terphenyl-d14
Concen: 16.218 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24



Tgt Ion:244 Resp: 212961
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 9.4 8.3 12.5





#81

Benzo(a)anthracene

Concen: 23.368 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

Tgt Ion:228 Resp: 34248

Ion Ratio Lower Upper

228 100

226 29.4 22.0 33.0

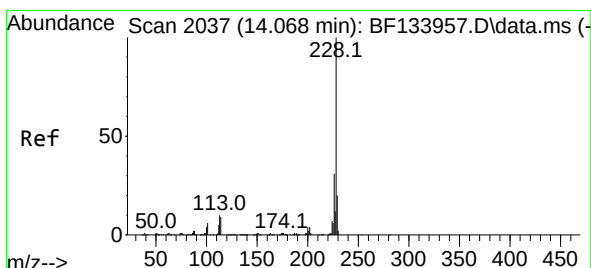
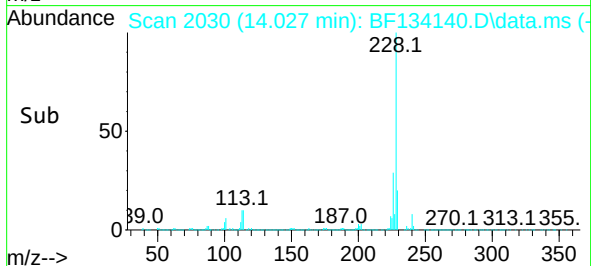
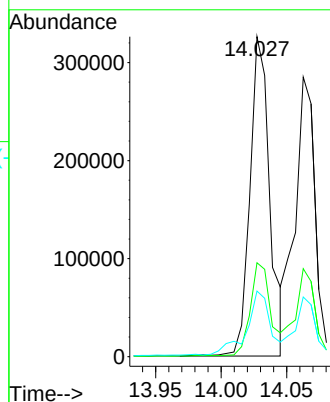
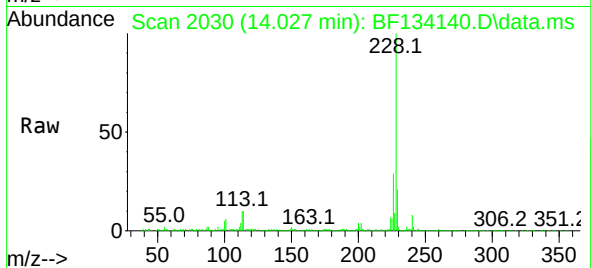
229 20.5 16.3 24.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/09/2023

Supervised By :mohammad ahmed 07/09/2023



#83

Chrysene

Concen: 21.504 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

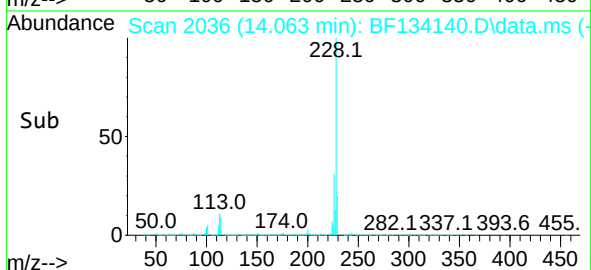
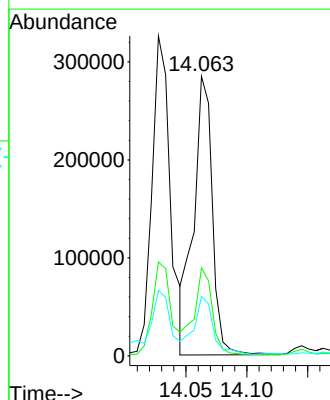
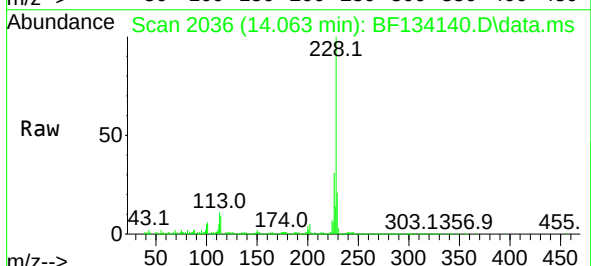
Tgt Ion:228 Resp: 305255

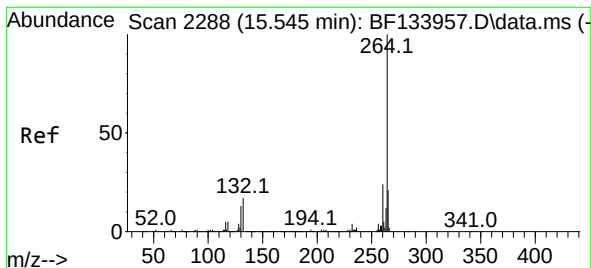
Ion Ratio Lower Upper

228 100

226 31.5 24.4 36.6

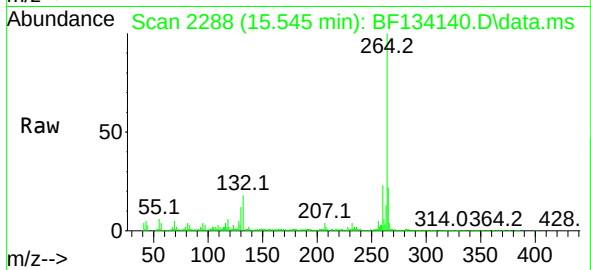
229 21.3 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

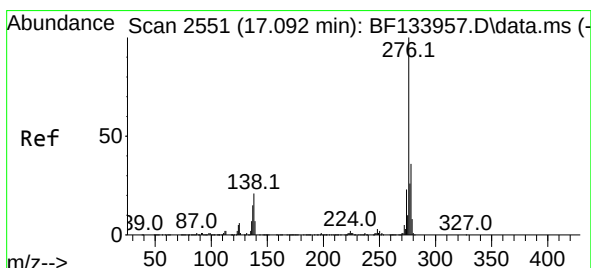
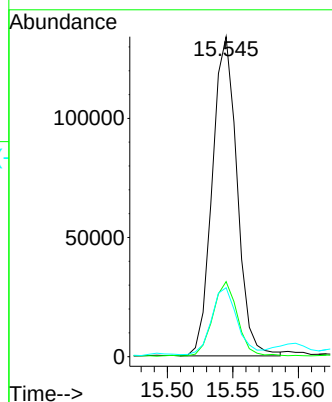
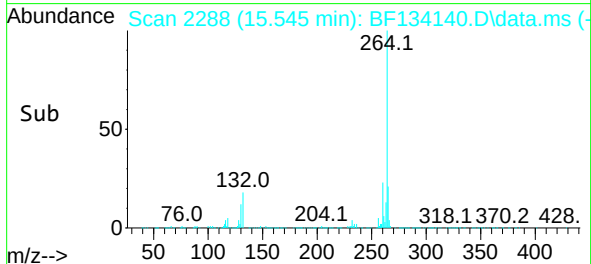
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:264 Resp: 175764
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.5 16.6 25.0

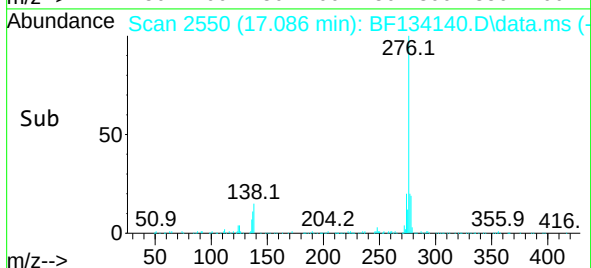
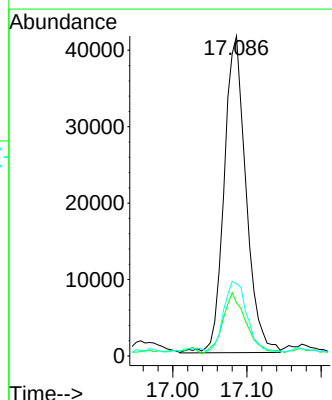
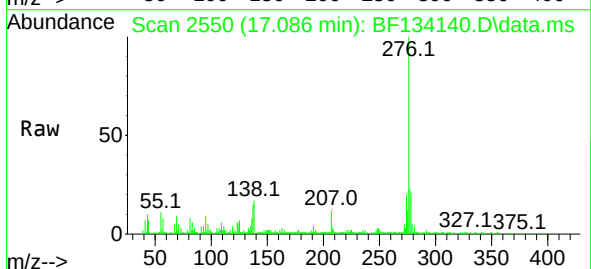
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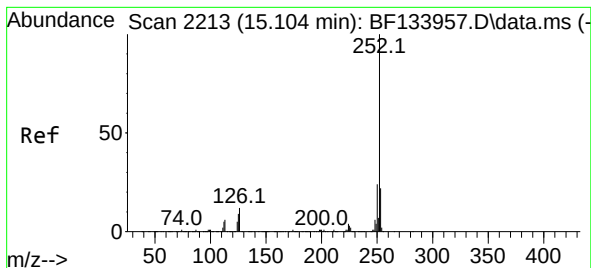
Reviewed By :Yogesh Patel 07/09/2023
Supervised By :mohammad ahmed 07/09/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.973 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.024 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

Tgt Ion:276 Resp: 85043
Ion Ratio Lower Upper
276 100
138 20.1 18.7 28.1
277 23.0 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 28.970 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

Tgt Ion:252 Resp: 29940

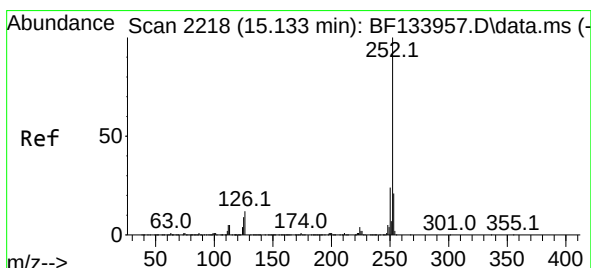
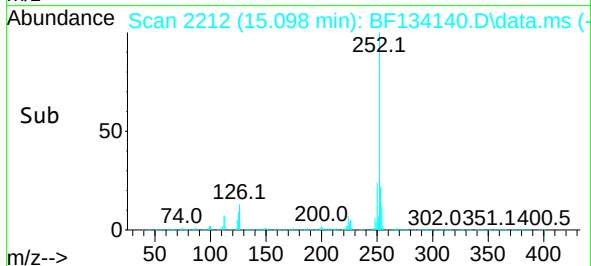
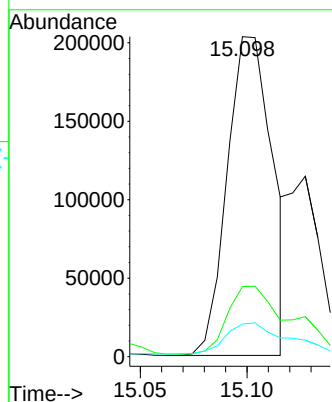
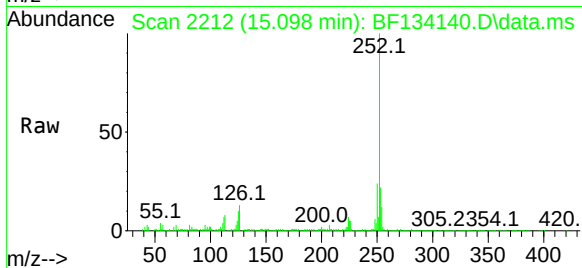
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.2	7.1	10.7

Manual Integrations

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Reviewed By :Yogesh Patel 07/09/2023

Supervised By :mohammad ahmed 07/09/2023



#89

Benzo(k)fluoranthene

Concen: 11.076 ng m

RT: 15.127 min Scan# 2217

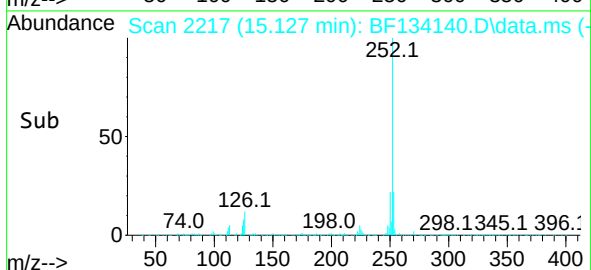
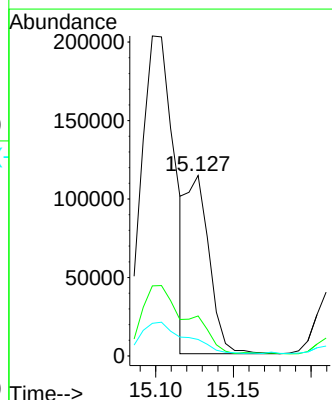
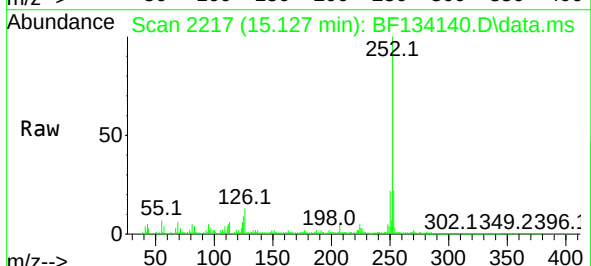
Delta R.T. -0.012 min

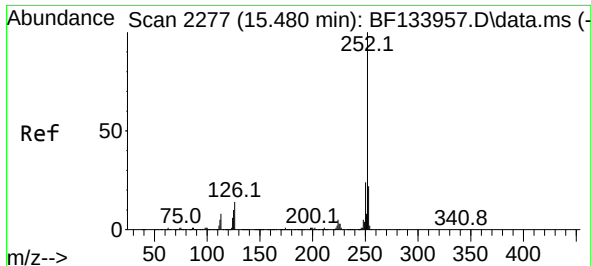
Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

Tgt Ion:252 Resp: 116545

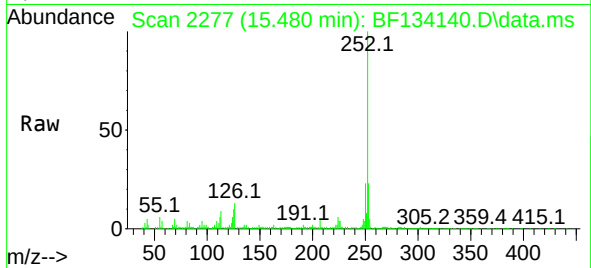
Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.9	25.3
125	9.2	7.4	11.2





#90
Benzo(a)pyrene
Concen: 16.979 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

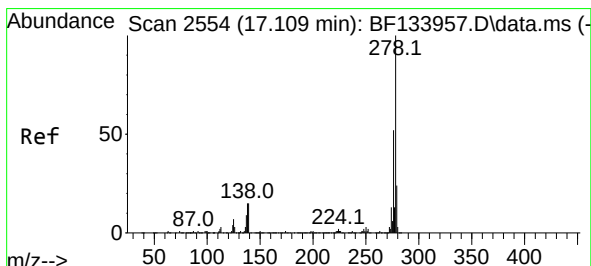
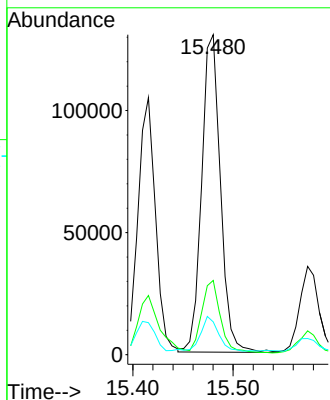
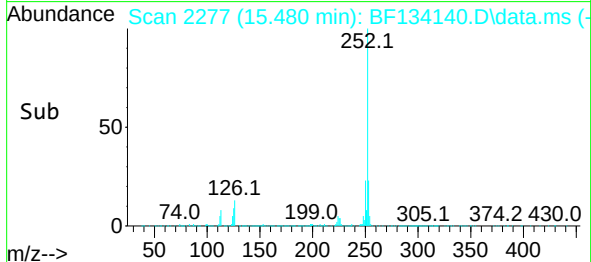
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



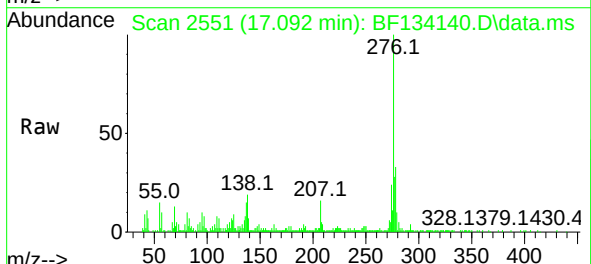
Tgt Ion:252 Resp: 16968
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 10.2 8.4 12.6

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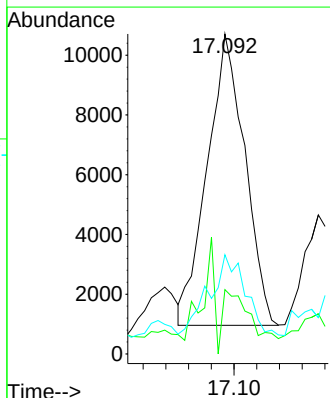
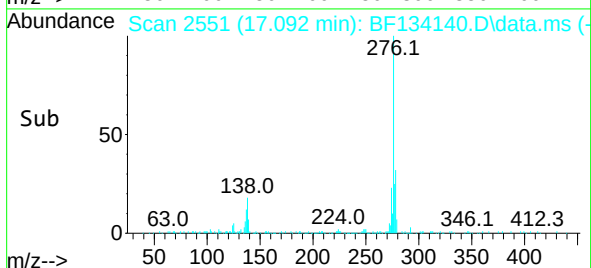
Reviewed By :Yogesh Patel 07/09/2023
Supervised By :mohammad ahmed 07/09/2023

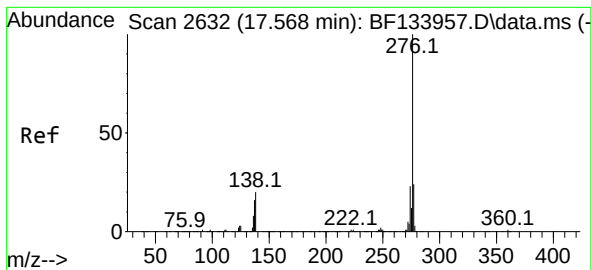


#91
Dibenzo(a,h)anthracene
Concen: 2.256 ng m
RT: 17.092 min Scan# 2551
Delta R.T. -0.035 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24



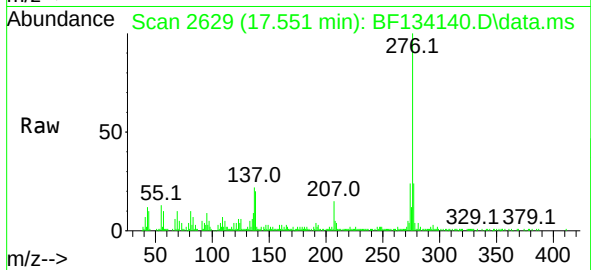
Tgt Ion:278 Resp: 22473
Ion Ratio Lower Upper
278 100
139 20.1 12.2 18.4#
279 31.0 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 7.231 ng
RT: 17.551 min Scan# 20
Delta R.T. -0.029 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:276 Resp: 74280
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.6
138 19.8 16.2 24.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2023
Supervised By :mohammad ahmed 07/09/2023

