

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134025.D
 Acq On : 28 Jun 2023 11:14
 Operator : CG\JU
 Sample : 03362-14 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

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

Quant Time: Jun 28 13:17:52 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	81296	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	279387	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	123975	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	233216	20.000	ng	0.00
76) Chrysene-d12	14.051	240	105670	20.000	ng	0.00
86) Perylene-d12	15.563	264	97177	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	288013	59.262	ng	0.00
7) Phenol-d6	6.487	99	319812	53.509	ng	0.00
23) Nitrobenzene-d5	7.410	82	195007	37.625	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	81185	52.229	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	405355	47.537	ng	0.00
79) Terphenyl-d14	12.980	244	355805	54.191	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	39120	2.899	ng	98
49) Acenaphthylene	9.751	152	137688	11.077	ng	99
58) Fluorene	10.439	166	22528	2.569	ng	99
71) Phenanthrene	11.410	178	240186	20.458	ng	98
72) Anthracene	11.463	178	184463	15.106	ng	97
73) Carbazole	11.622	167	27383	2.450	ng	96
75) Fluoranthene	12.616	202	1030335	81.176	ng	98
78) Pyrene	12.845	202	888496	90.349	ng	99
81) Benzo(a)anthracene	14.039	228	365373	49.857	ng	97
83) Chrysene	14.074	228	315167	44.402	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	13577	3.204	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.115	276	106242	15.756	ng	93
88) Benzo(b)fluoranthene	15.116	252	349944m	61.242	ng	
89) Benzo(k)fluoranthene	15.139	252	114769m	19.727	ng	
90) Benzo(a)pyrene	15.498	252	203431	36.817	ng	97
91) Dibenzo(a,h)anthracene	17.121	278	26353	4.785	ng	# 86
92) Benzo(g,h,i)perylene	17.586	276	90337	15.905	ng	96

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

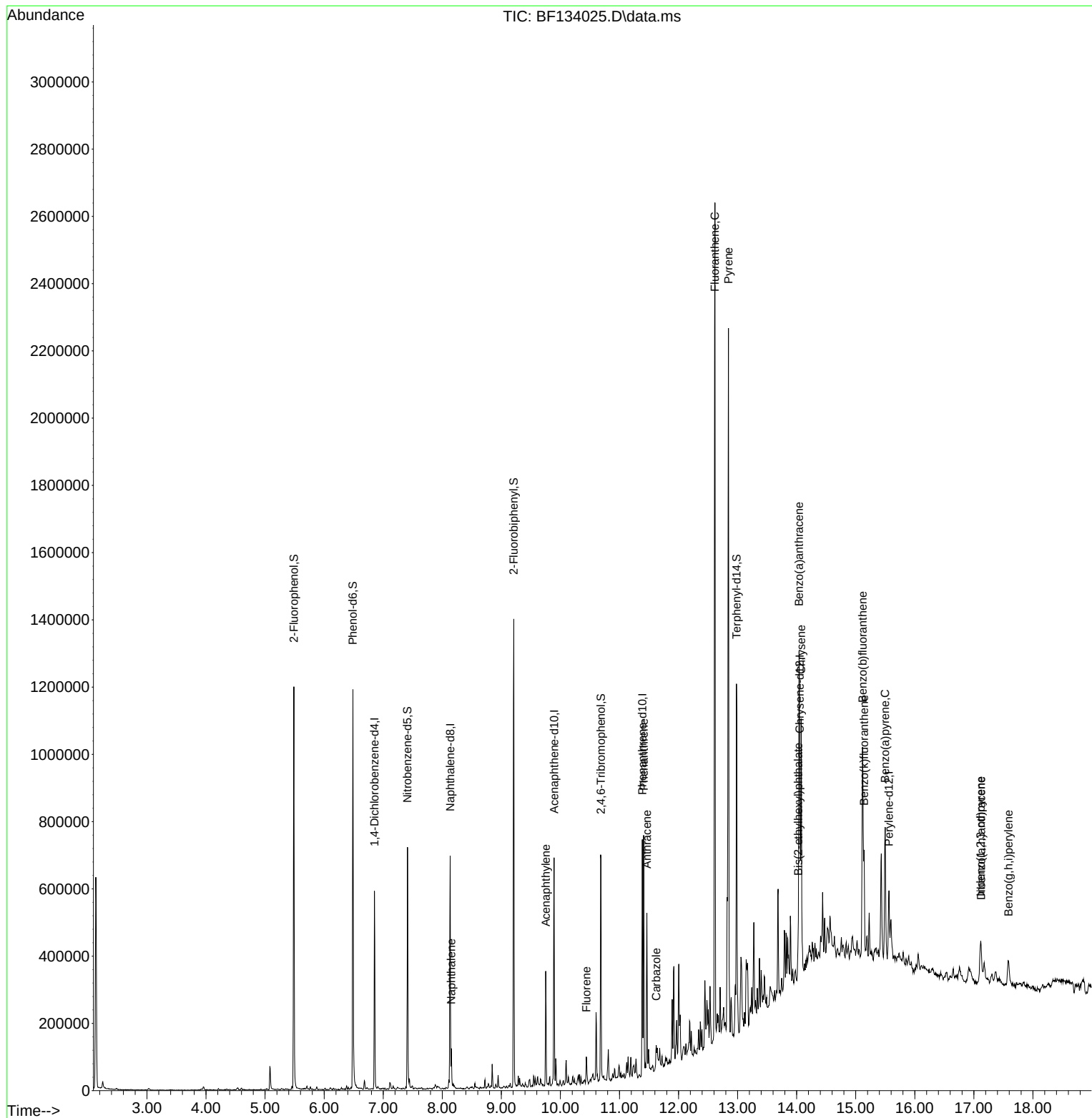
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Data File : BF134025.D
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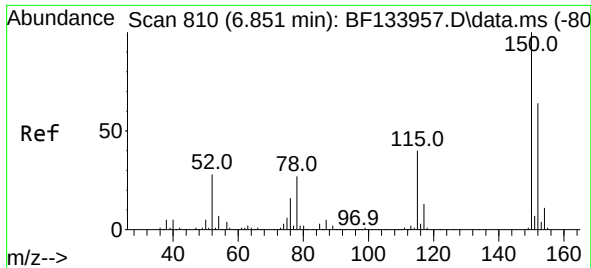
Instrument :
BNA_F
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COMPOSIT-SB-19-20

Quant Time: Jun 28 13:17:52 2023
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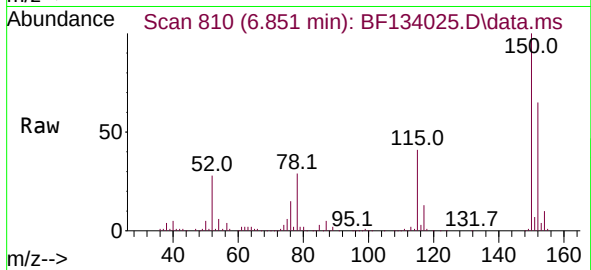
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

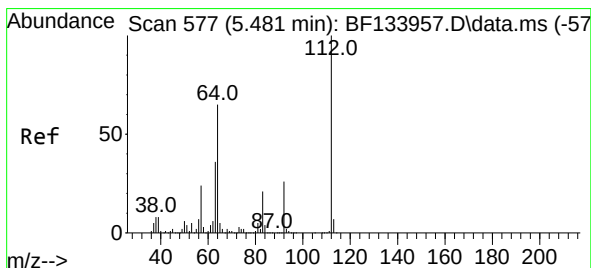
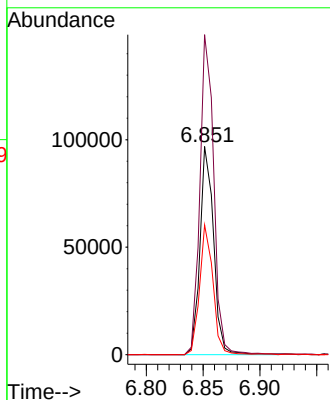
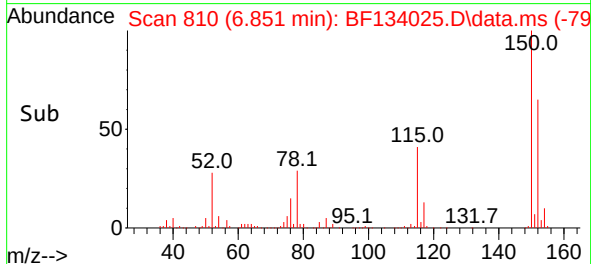
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:152 Resp: 81290
Ion Ratio Lower Upper
152 100
150 153.7 124.5 186.7
115 62.3 50.2 75.2

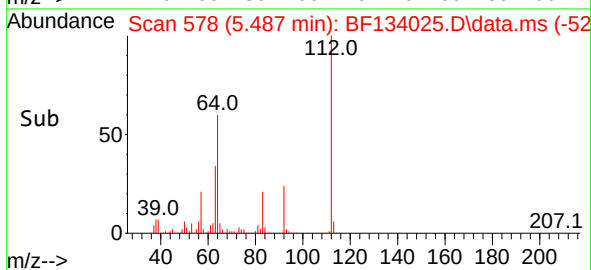
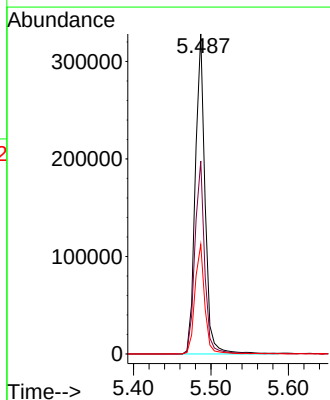
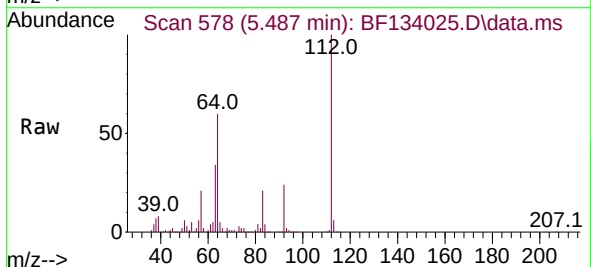
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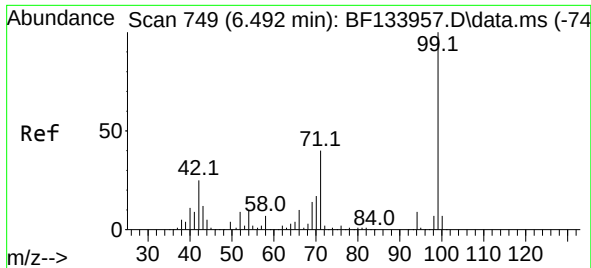
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#5
2-Fluorophenol
Concen: 59.262 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

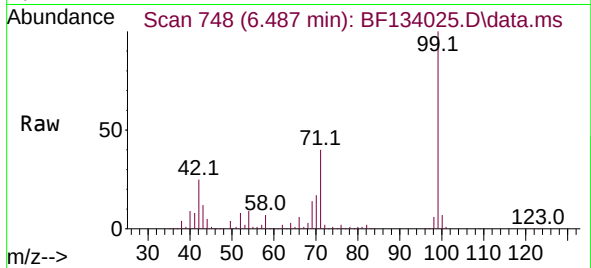
Tgt Ion:112 Resp: 288013
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 34.2 28.6 42.8





#7
Phenol-d6
Concen: 53.509 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

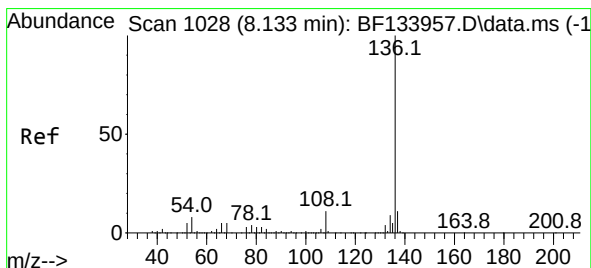
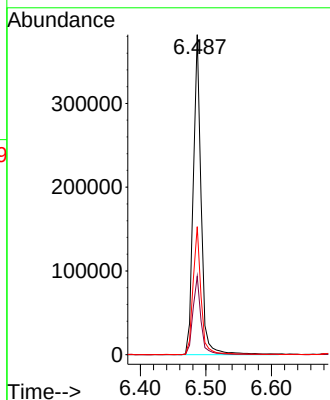
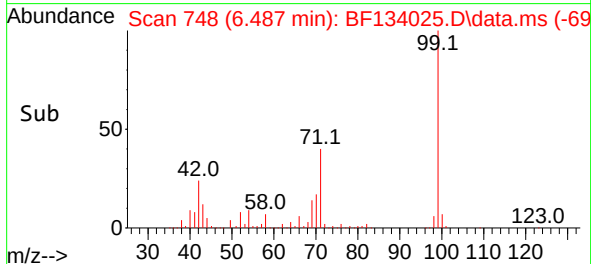
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



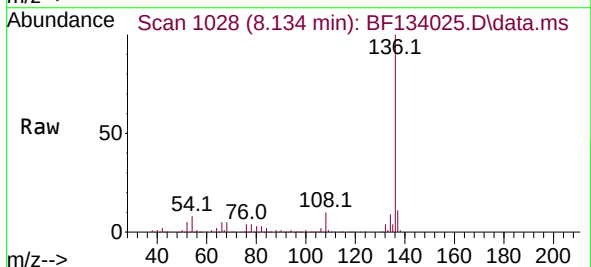
Tgt Ion: 99 Resp: 319812
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 40.0 31.9 47.9

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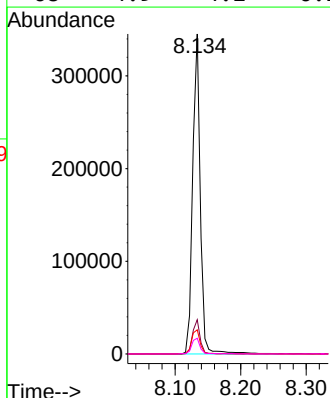
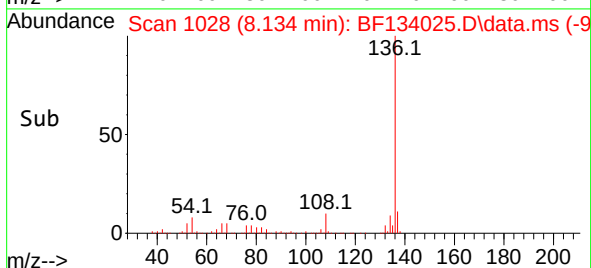
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

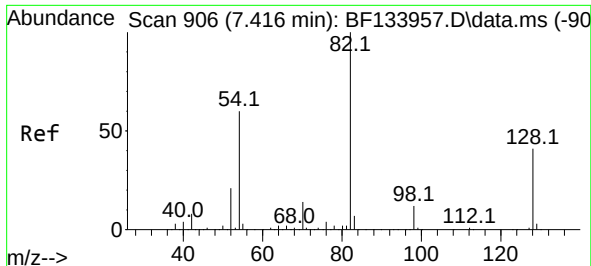


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14



Tgt Ion:136 Resp: 279387
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.6 6.5 9.7
68 4.9 4.2 6.2





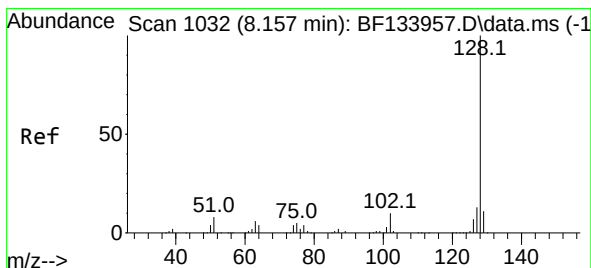
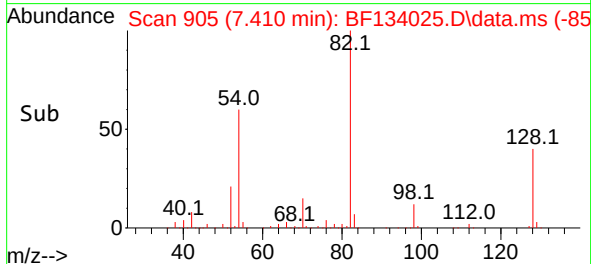
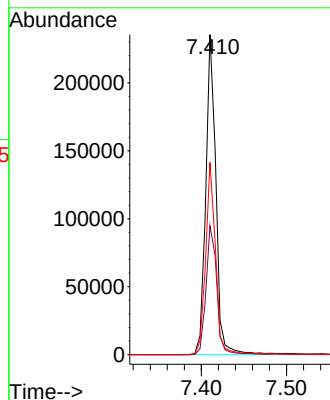
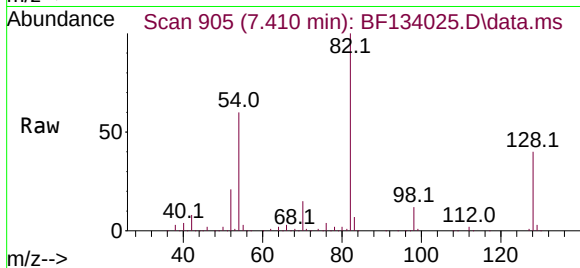
#23
Nitrobenzene-d5
Concen: 37.625 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

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

Tgt Ion: 82 Resp: 19500
Ion Ratio Lower Upper
82 100
128 40.3 32.5 48.7
54 60.1 48.2 72.2

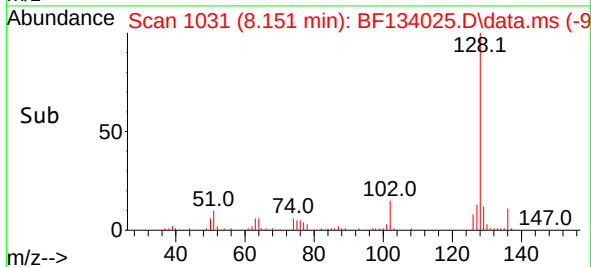
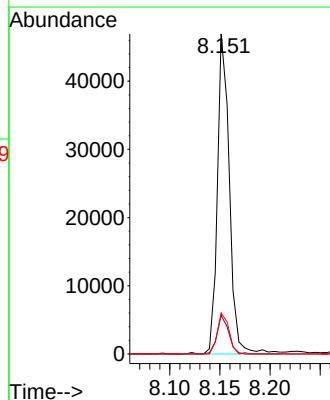
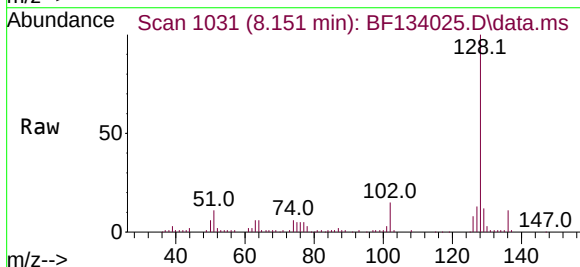
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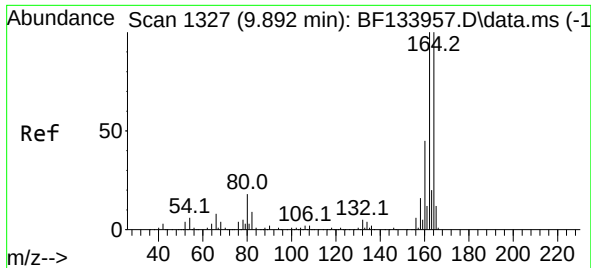
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#31
Naphthalene
Concen: 2.899 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

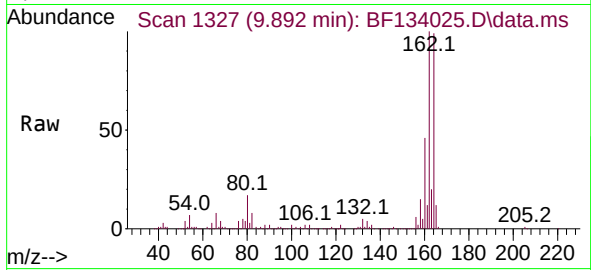
Tgt Ion:128 Resp: 39120
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 12.8 10.6 15.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

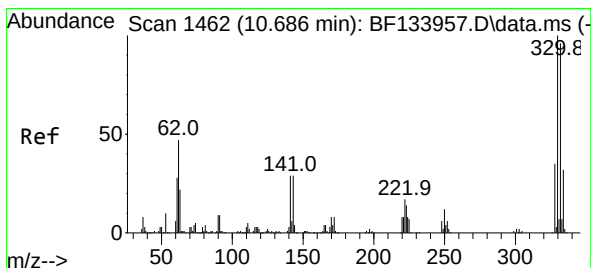
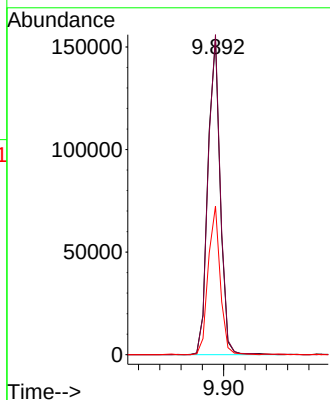
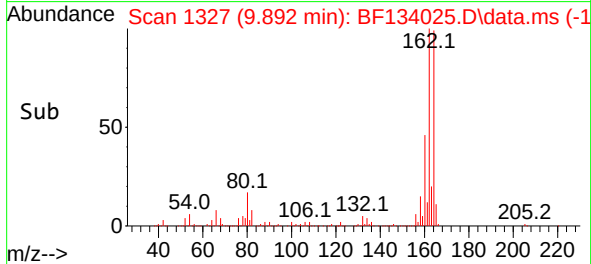
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:164 Resp: 12397
Ion Ratio Lower Upper
164 100
162 101.5 80.0 120.0
160 47.1 35.9 53.9

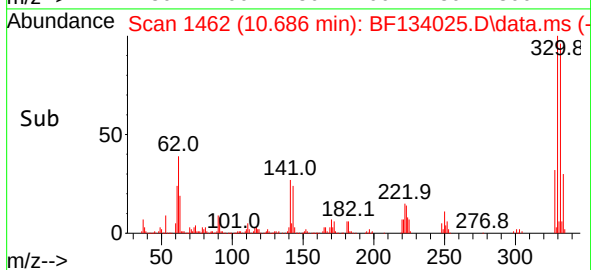
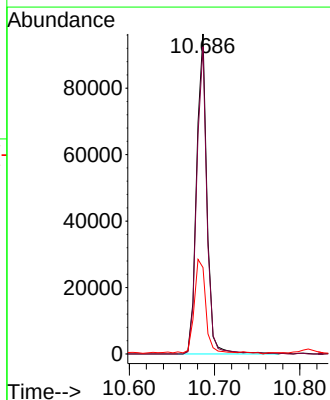
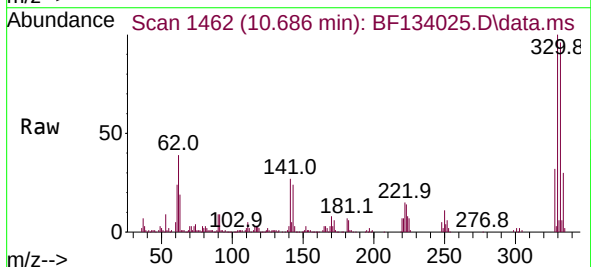
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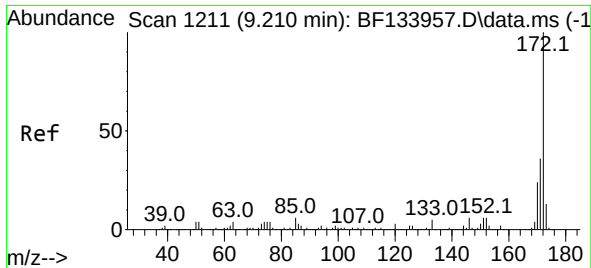
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#42
2,4,6-Tribromophenol
Concen: 52.229 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

Tgt Ion:330 Resp: 81185
Ion Ratio Lower Upper
330 100
332 95.1 77.0 115.6
141 32.0 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 47.537 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.000 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

Tgt Ion:172 Resp: 40535

Ion Ratio Lower Upper

172 100

171 34.4 28.6 43.0

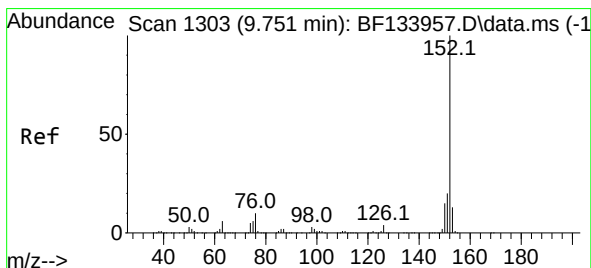
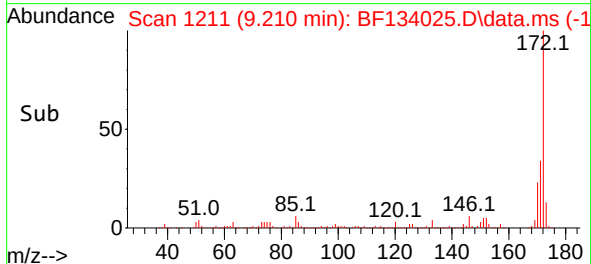
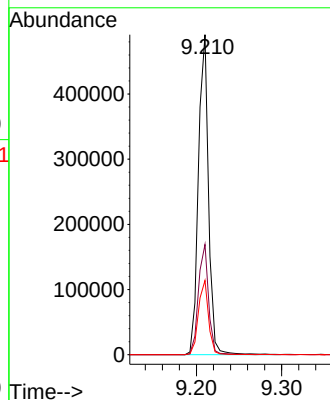
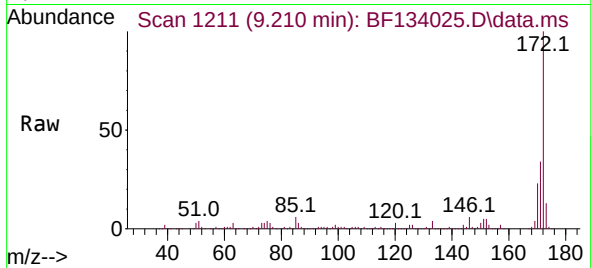
170 23.2 19.4 29.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#49

Acenaphthylene

Concen: 11.077 ng

RT: 9.751 min Scan# 1303

Delta R.T. 0.000 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

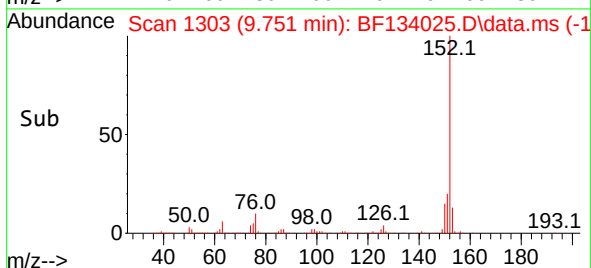
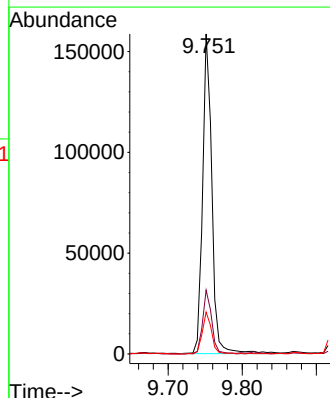
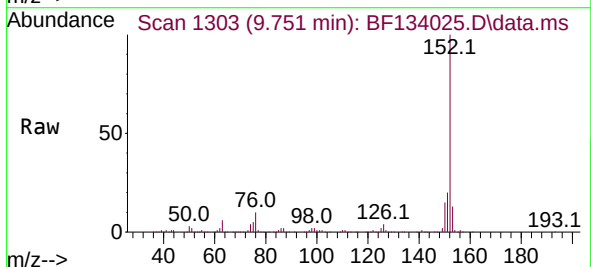
Tgt Ion:152 Resp: 137688

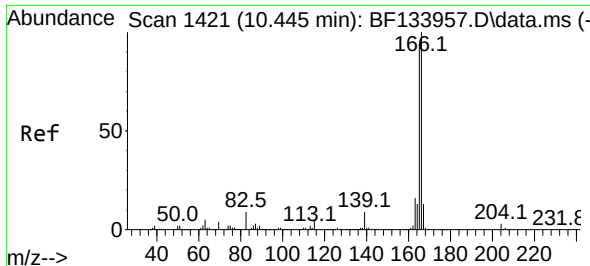
Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

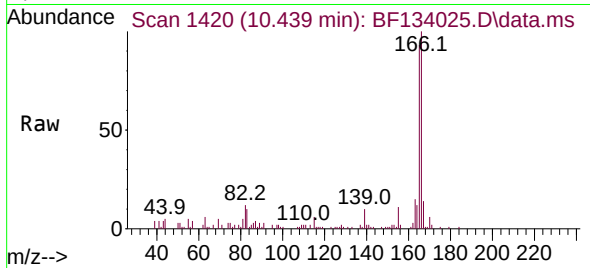
153 13.1 10.8 16.2





#58
Fluorene
Concen: 2.569 ng
RT: 10.439 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

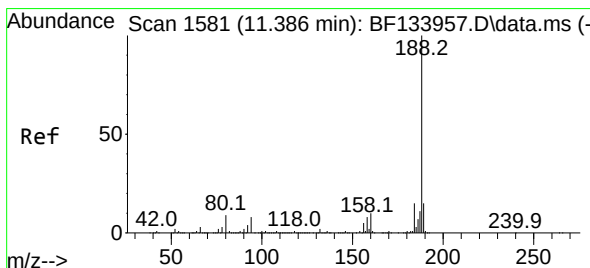
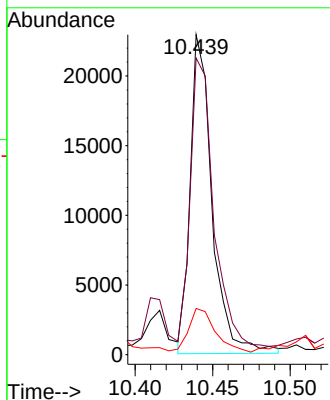
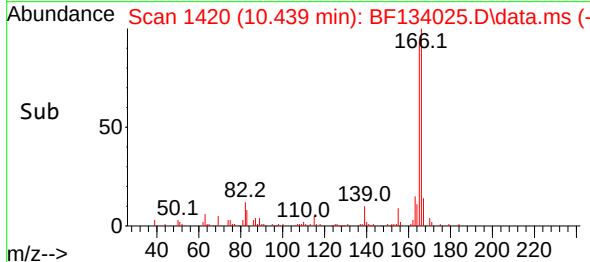
Instrument :
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ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion:166 Resp: 22528
Ion Ratio Lower Upper
166 100
165 92.7 75.0 112.4
167 14.4 10.6 15.8

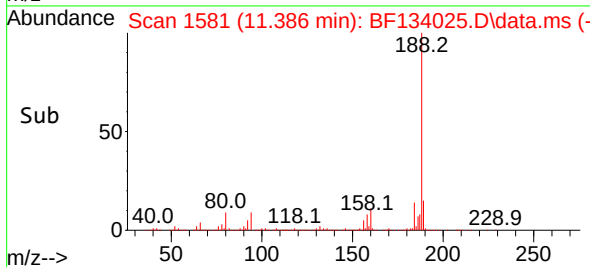
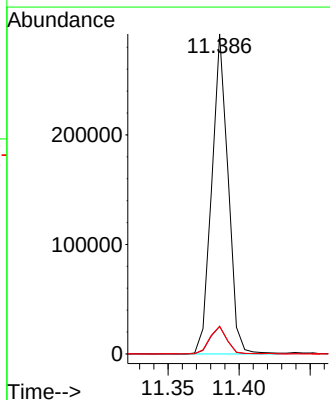
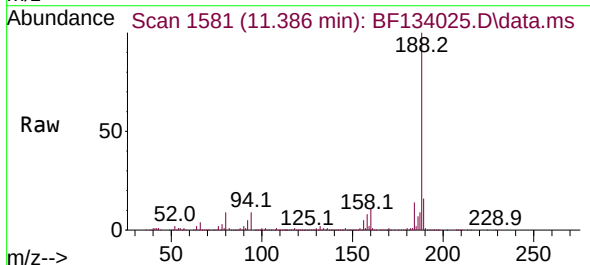
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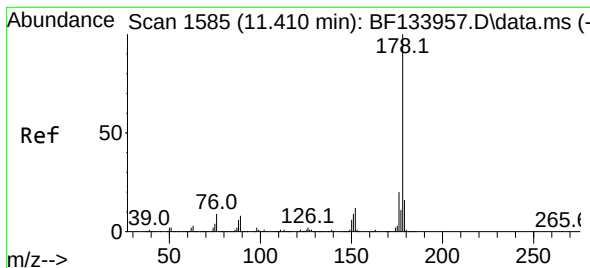
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

Tgt Ion:188 Resp: 233216
Ion Ratio Lower Upper
188 100
94 8.6 6.4 9.6
80 8.7 7.3 10.9





#71

Phenanthrene

Concen: 20.458 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

Tgt Ion:178 Resp: 240180

Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

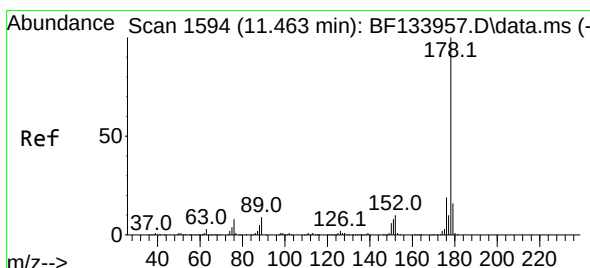
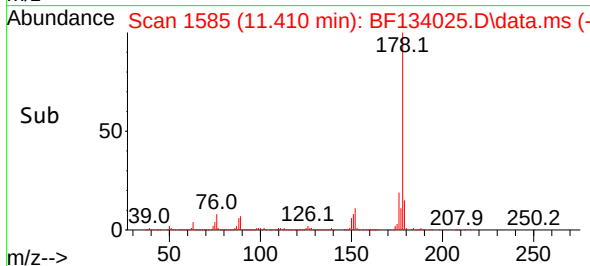
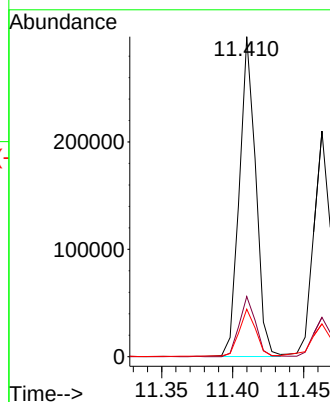
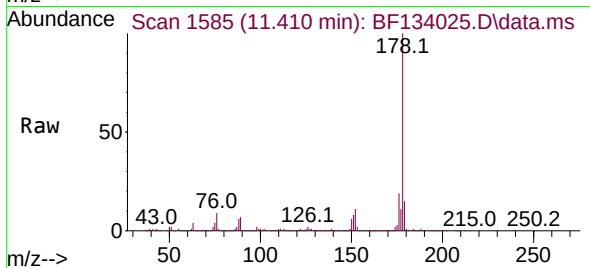
179 14.8 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#72

Anthracene

Concen: 15.106 ng

RT: 11.463 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

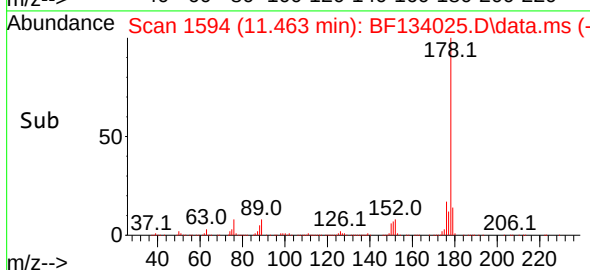
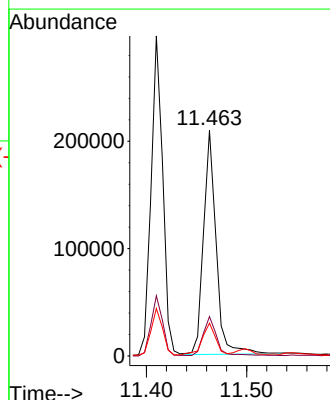
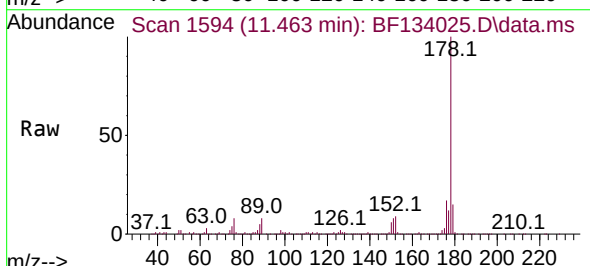
Tgt Ion:178 Resp: 184463

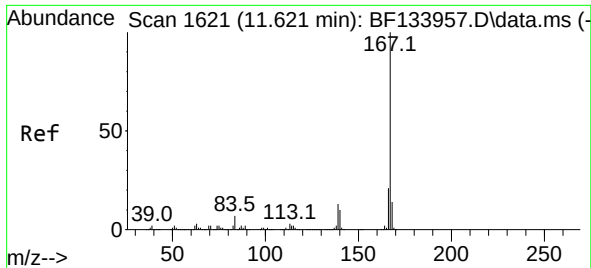
Ion Ratio Lower Upper

178 100

176 17.5 15.3 22.9

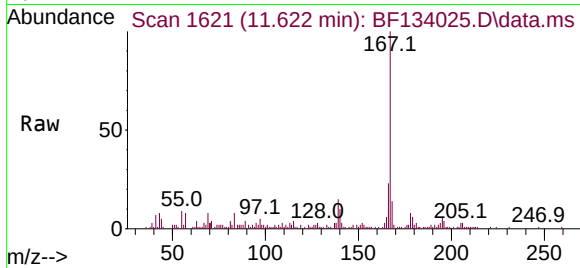
179 14.5 12.4 18.6





#73
 Carbazole
 Concen: 2.450 ng
 RT: 11.622 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: BF134025.D
 Acq: 28 Jun 2023 11:14

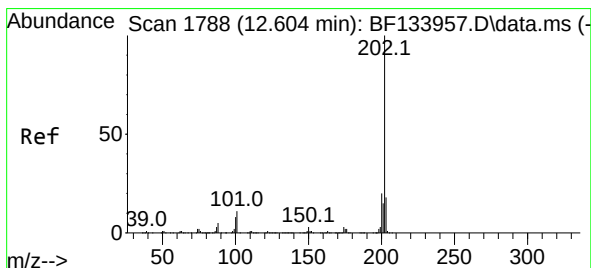
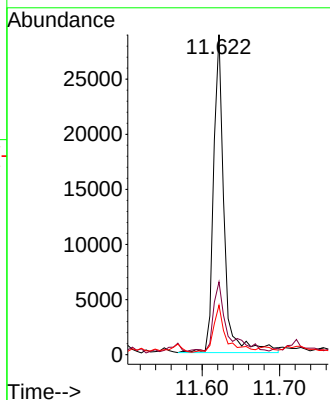
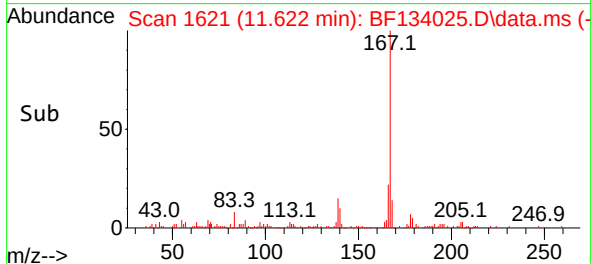
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20



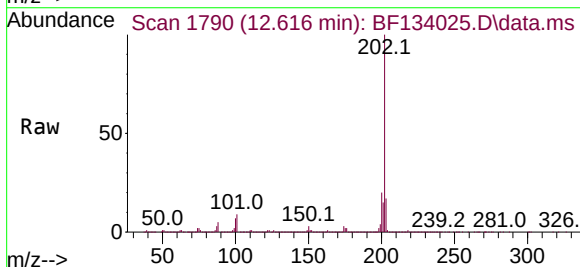
Tgt Ion:167 Resp: 2738
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.0 25.6
 139 15.4 10.4 15.6

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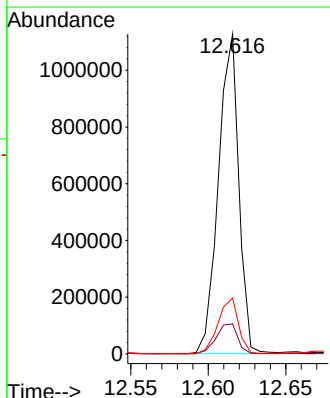
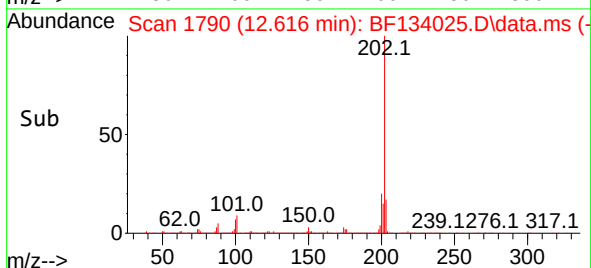
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

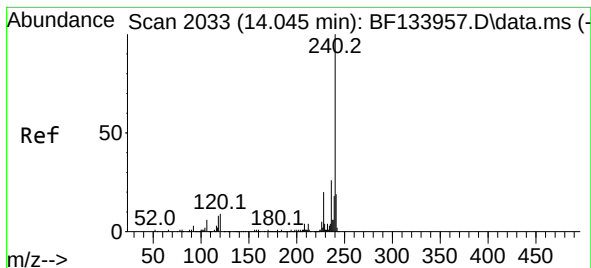


#75
 Fluoranthene
 Concen: 81.176 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.012 min
 Lab File: BF134025.D
 Acq: 28 Jun 2023 11:14



Tgt Ion:202 Resp: 1030335
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 31.0
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

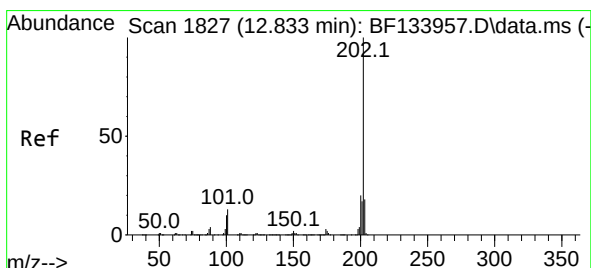
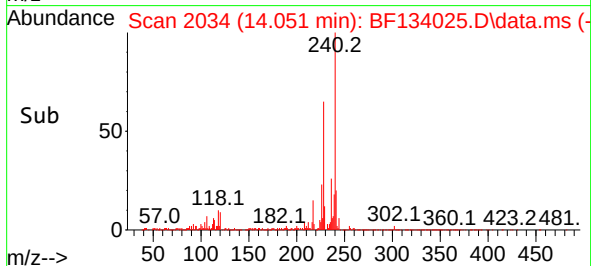
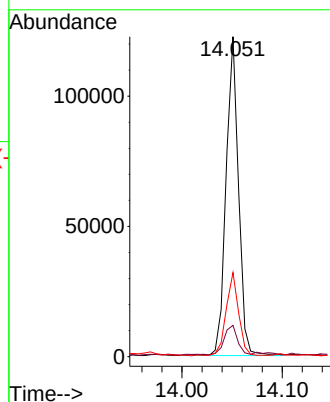
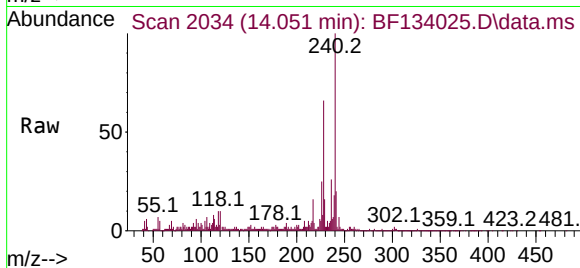
Tgt Ion:240 Resp: 105670
 Ion Ratio Lower Upper
 240 100
 120 9.8 7.4 11.0
 236 26.3 21.0 31.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#78

Pyrene

Concen: 90.349 ng

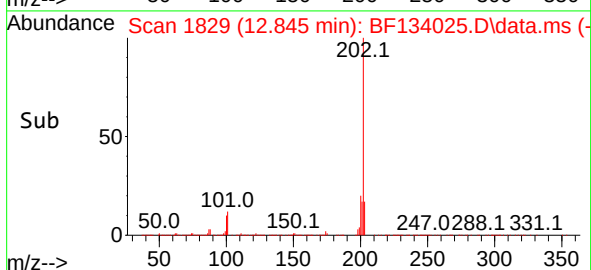
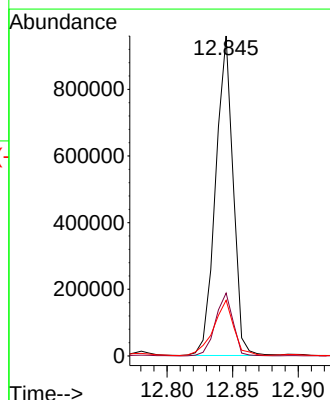
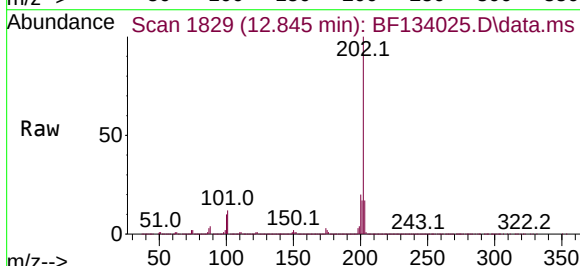
RT: 12.845 min Scan# 1829

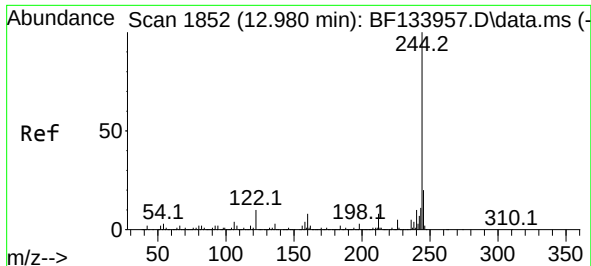
Delta R.T. 0.012 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

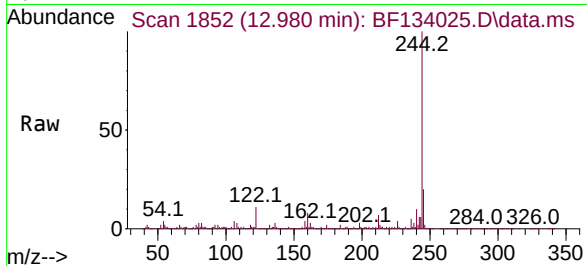
Tgt Ion:202 Resp: 888496
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.1 24.1
 203 17.4 14.3 21.5





#79
 Terphenyl-d14
 Concen: 54.191 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF134025.D
 Acq: 28 Jun 2023 11:14

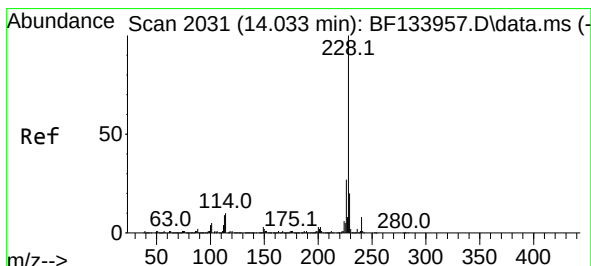
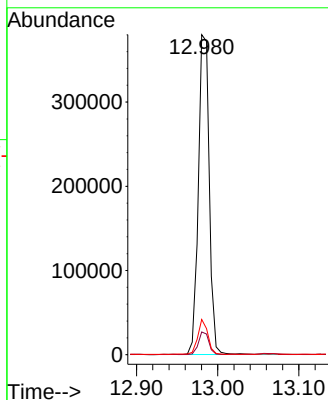
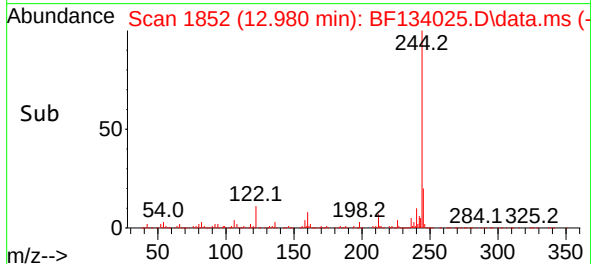
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20



Tgt Ion:244 Resp: 35580
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 11.0 8.3 12.5

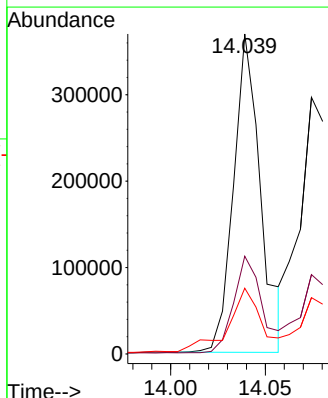
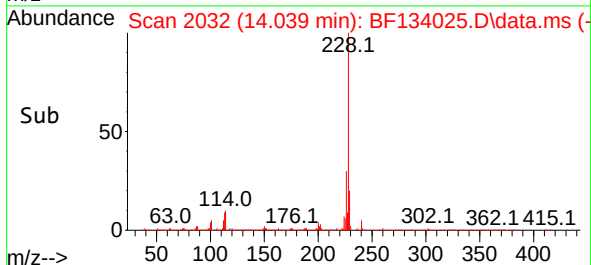
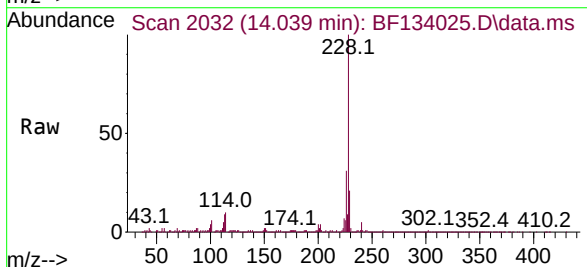
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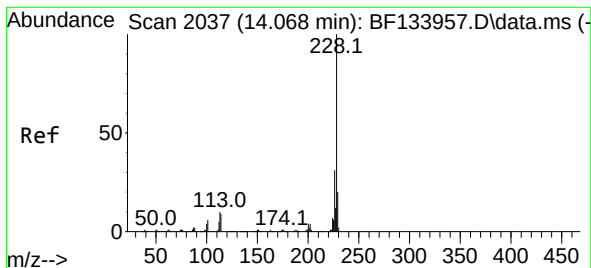
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023



#81
 Benzo(a)anthracene
 Concen: 49.857 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF134025.D
 Acq: 28 Jun 2023 11:14

Tgt Ion:228 Resp: 365373
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.0 33.0
 229 20.6 16.3 24.5





#83

Chrysene

Concen: 44.402 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Instrument :

BNA_F

ClientSampleId :

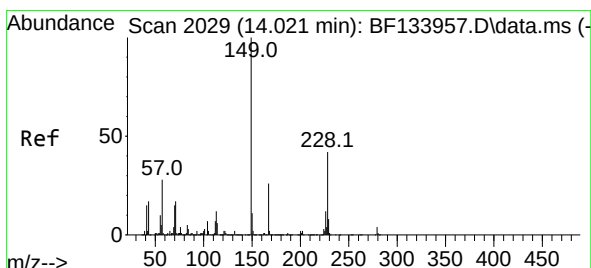
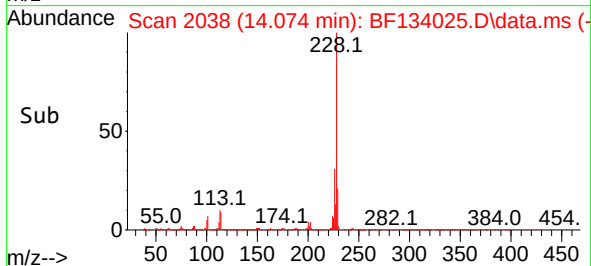
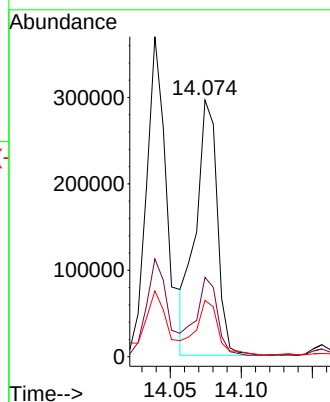
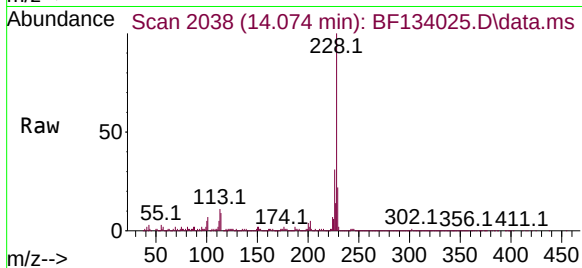
COMPOSIT-SB-19-20

Tgt Ion:228 Resp: 31516
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.4 36.6
 229 21.9 16.1 24.1

Manual Integrations

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.204 ng

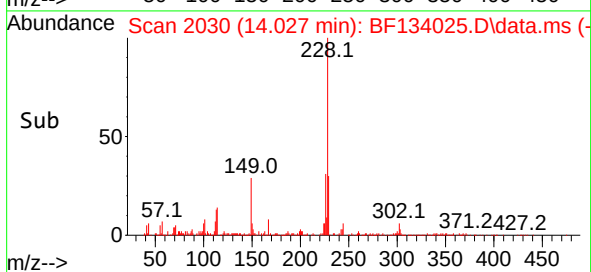
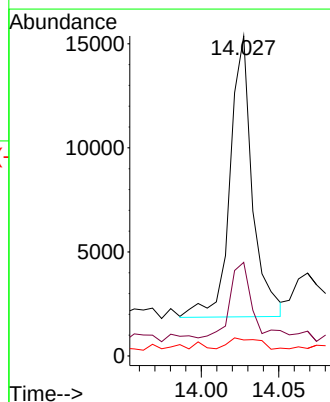
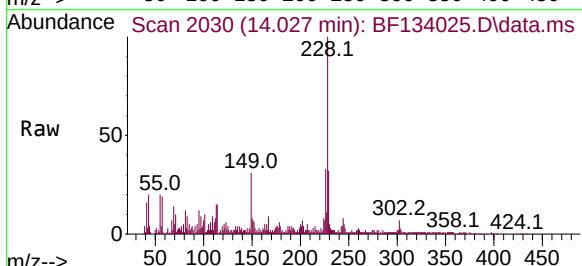
RT: 14.027 min Scan# 2030

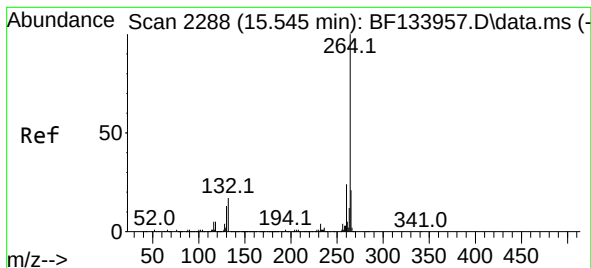
Delta R.T. 0.006 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Tgt Ion:149 Resp: 13577
 Ion Ratio Lower Upper
 149 100
 167 29.3 21.0 31.4
 279 5.0 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

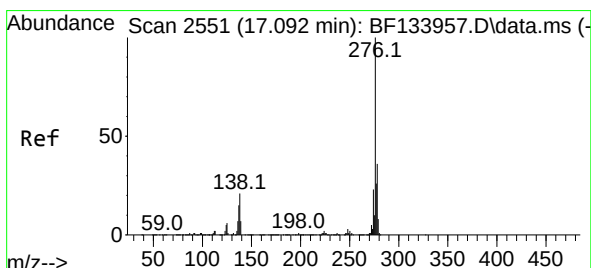
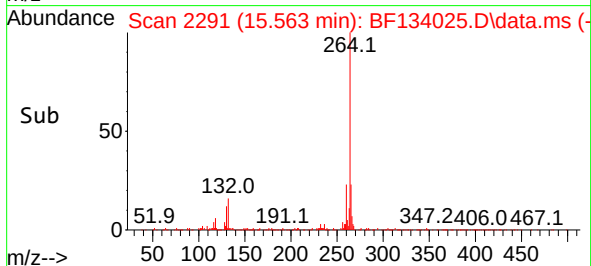
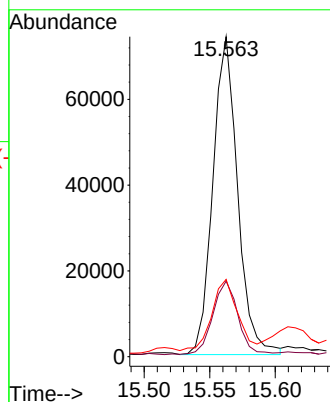
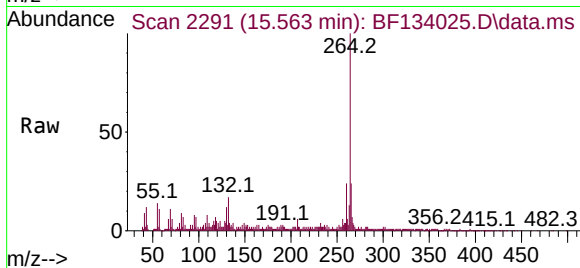
Tgt Ion:264	Resp:	9717
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.5 29.3
265	24.1	16.6 25.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.756 ng

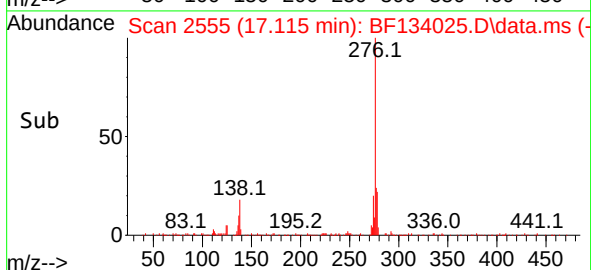
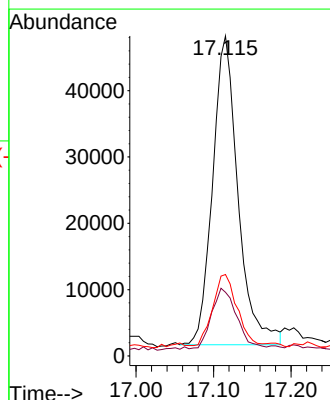
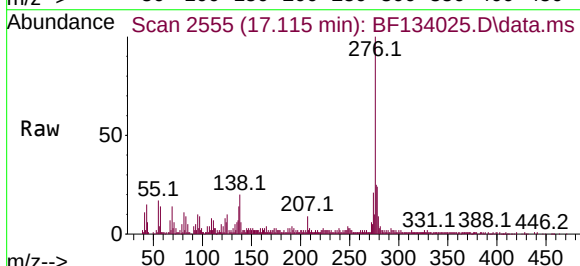
RT: 17.115 min Scan# 2555

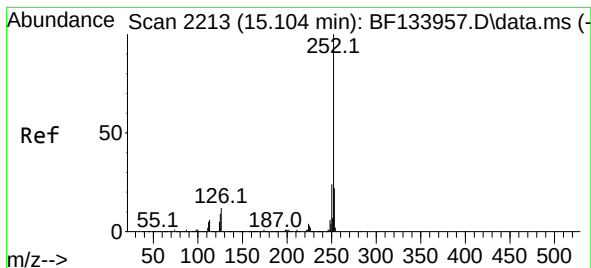
Delta R.T. 0.024 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Tgt Ion:276	Resp:	106242
Ion Ratio	Lower	Upper
276	100	
138	19.2	18.7 28.1
277	21.8	19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 61.242 ng m

RT: 15.116 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

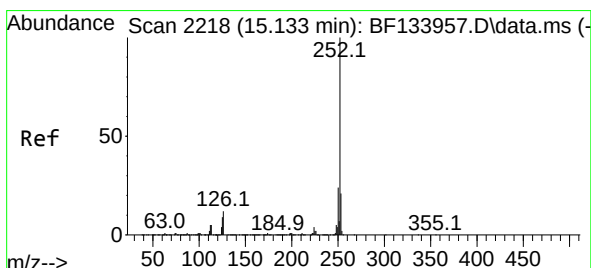
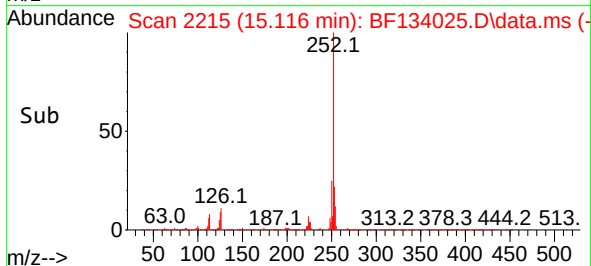
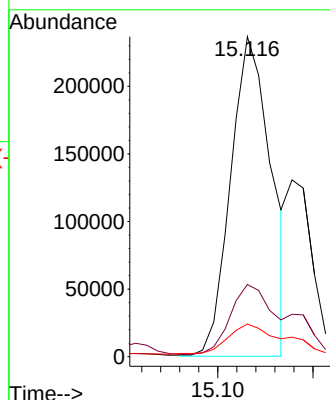
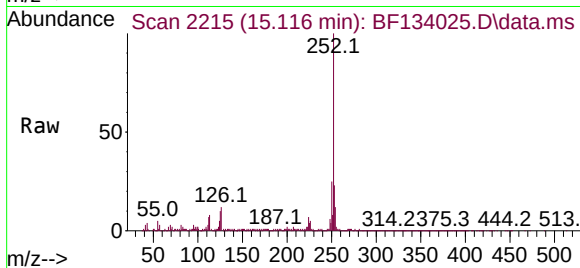
Tgt Ion:252 Resp: 349944
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.4 26.0
 125 10.2 7.1 10.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#89

Benzo(k)fluoranthene

Concen: 19.727 ng m

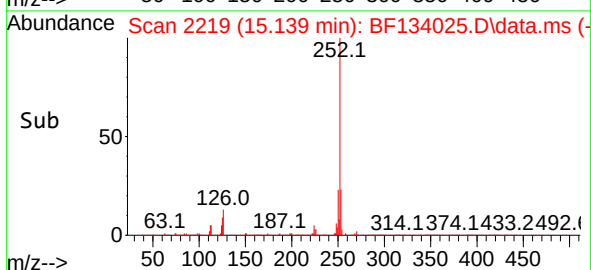
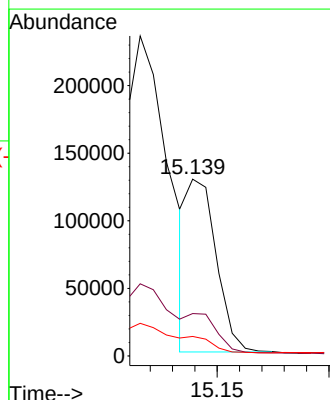
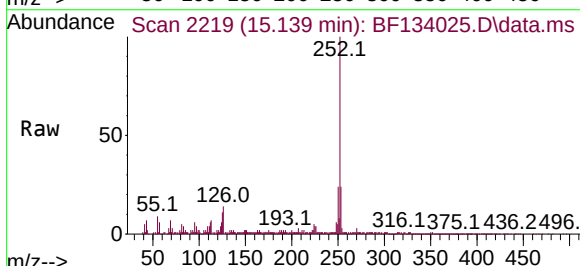
RT: 15.139 min Scan# 2219

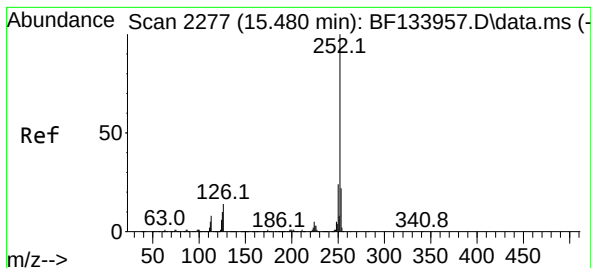
Delta R.T. 0.006 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Tgt Ion:252 Resp: 114769
 Ion Ratio Lower Upper
 252 100
 253 24.0 16.9 25.3
 125 11.0 7.4 11.2





#90

Benzo(a)pyrene

Concen: 36.817 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

Instrument :

BNA_F

ClientSampleId :

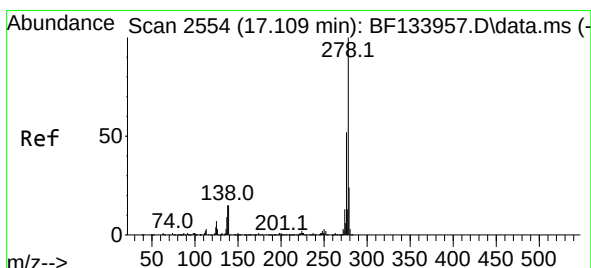
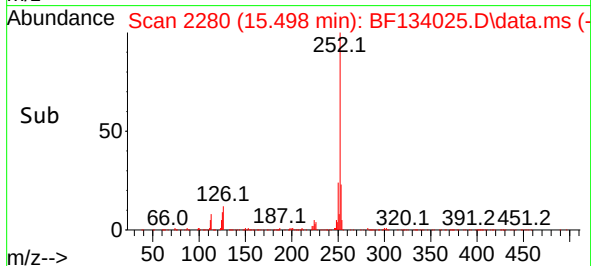
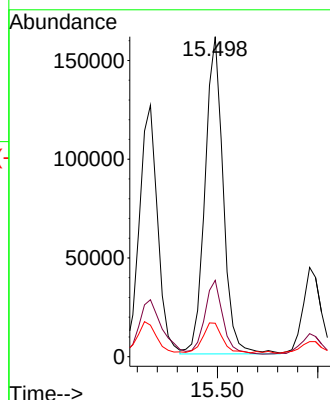
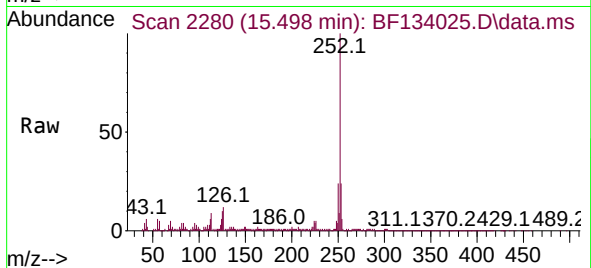
COMPOSIT-SB-19-20

Tgt Ion:252 Resp: 20343
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.4 26.0
 125 10.5 8.4 12.6

Manual Integrations

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



#91

Dibenzo(a,h)anthracene

Concen: 4.785 ng

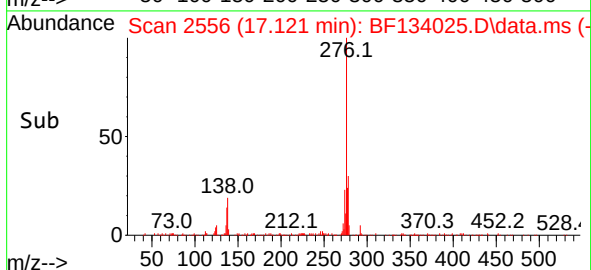
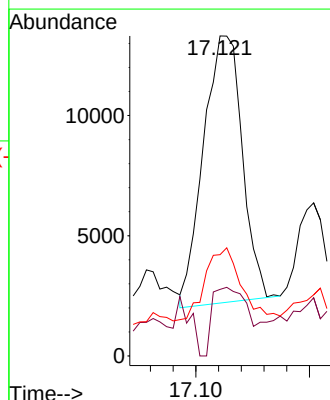
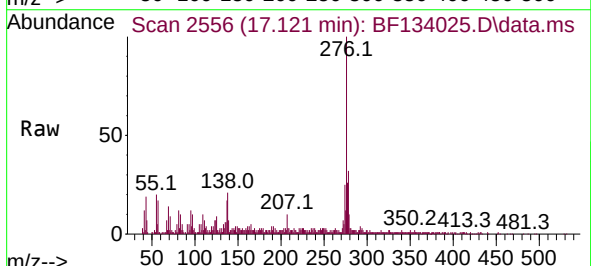
RT: 17.121 min Scan# 2556

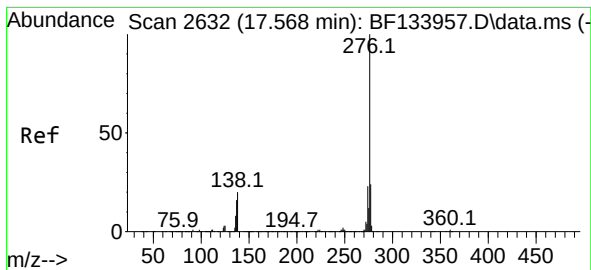
Delta R.T. 0.012 min

Lab File: BF134025.D

Acq: 28 Jun 2023 11:14

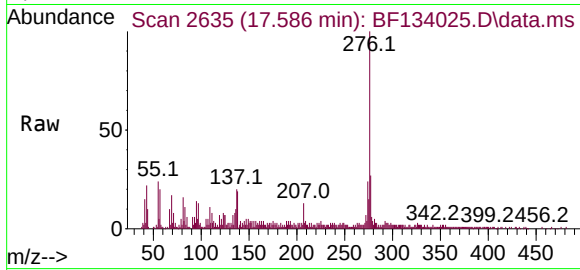
Tgt Ion:278 Resp: 26353
 Ion Ratio Lower Upper
 278 100
 139 20.8 12.2 18.4#
 279 31.7 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 15.905 ng
RT: 17.586 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF134025.D
Acq: 28 Jun 2023 11:14

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



Tgt Ion:276 Resp: 9033
Ion Ratio Lower Upper
276 100
277 26.7 19.0 28.6
138 19.1 16.2 24.2

Manual Integrations
APPROVED

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

