

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134021.D
 Acq On : 28 Jun 2023 09:04
 Operator : CG\JU
 Sample : 03362-20
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-25

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 09:23:52 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	103065	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	348470	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	146905	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	282081	20.000	ng	0.00
76) Chrysene-d12	14.051	240	148310	20.000	ng	0.00
86) Perylene-d12	15.557	264	125696	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	546198	88.649	ng	0.01
7) Phenol-d6	6.492	99	638398	84.252	ng	0.00
23) Nitrobenzene-d5	7.416	82	414659	64.144	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	160270	87.014	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	703763	69.650	ng	0.00
79) Terphenyl-d14	12.986	244	735200	79.782	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	37315	2.217	ng	99
37) 2-Methylnaphthalene	8.845	142	25513	2.143	ng	96
49) Acenaphthylene	9.751	152	35864	2.435	ng	96
52) Acenaphthene	9.922	154	138246	16.176	ng	98
55) Dibenzofuran	10.098	168	153101	11.463	ng	99
58) Fluorene	10.439	166	99721	9.597	ng	95
71) Phenanthrene	11.416	178	625222	44.028	ng	100
72) Anthracene	11.463	178	315326	21.349	ng	99
73) Carbazole	11.622	167	44007	3.255	ng	100
75) Fluoranthene	12.616	202	1056253	68.802	ng	98
78) Pyrene	12.845	202	828846	60.051	ng	99
81) Benzo(a)anthracene	14.039	228	285142	27.723	ng	97
83) Chrysene	14.074	228	222850	22.369	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	17371	2.920	ng	# 92
87) Indeno(1,2,3-cd)pyrene	17.109	276	82955m	9.511	ng	
88) Benzo(b)fluoranthene	15.110	252	231505m	31.322	ng	
89) Benzo(k)fluoranthene	15.139	252	88015m	11.696	ng	
90) Benzo(a)pyrene	15.492	252	155818	21.802	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	24000	3.369	ng	# 86
92) Benzo(g,h,i)perylene	17.580	276	75922	10.334	ng	99

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

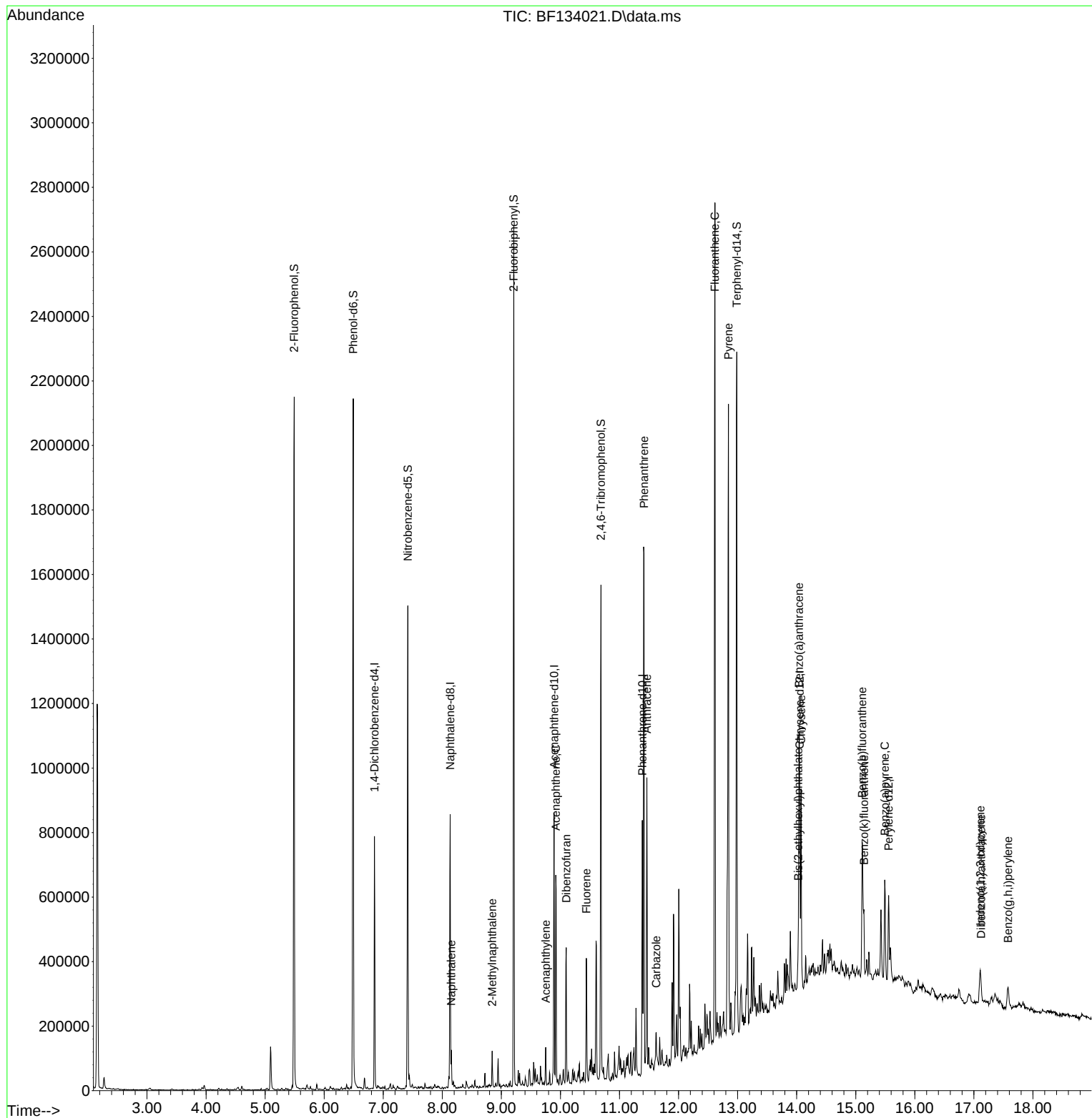
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
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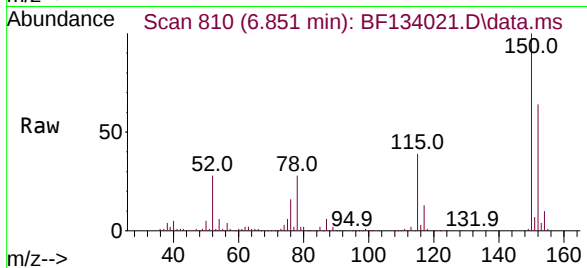
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

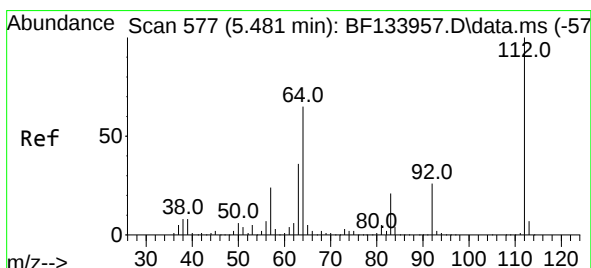
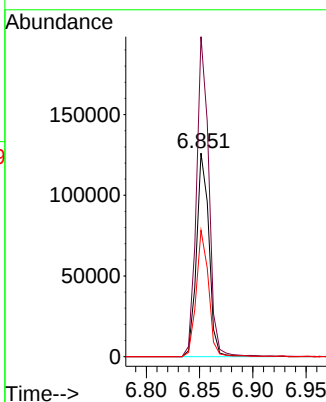
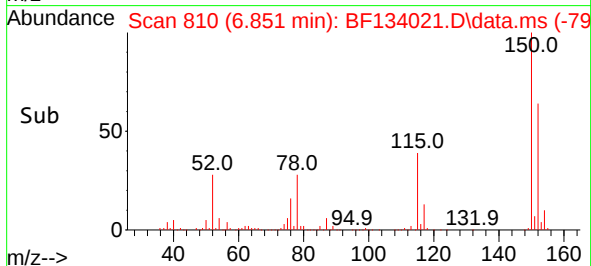
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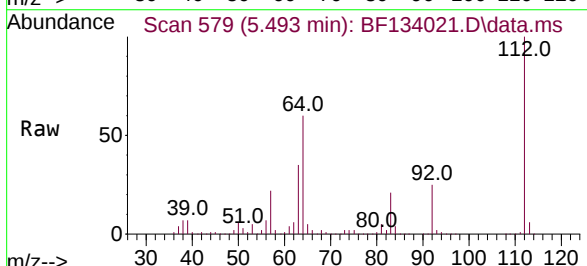
Tgt Ion:152 Resp: 10306
Ion Ratio Lower Upper
152 100
150 157.3 124.5 186.7
115 62.1 50.2 75.2

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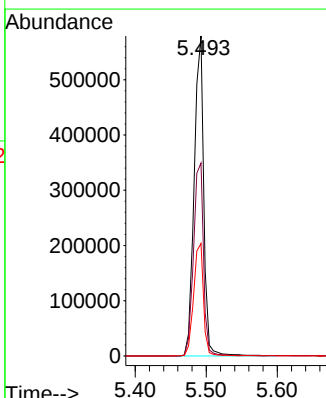
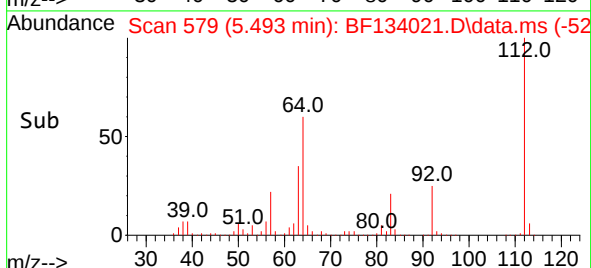
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

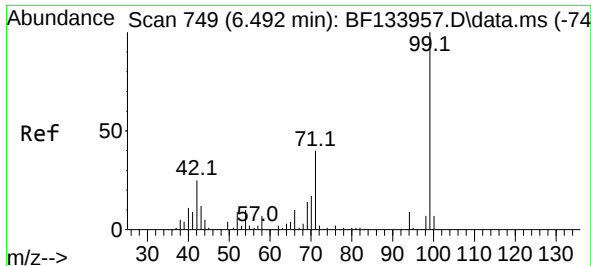


#5
2-Fluorophenol
Concen: 88.649 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04



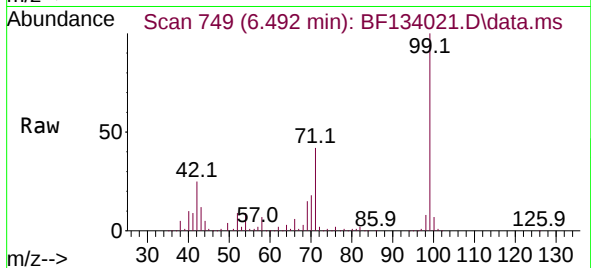
Tgt Ion:112 Resp: 546198
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 35.1 28.6 42.8





#7
Phenol-d6
Concen: 84.252 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

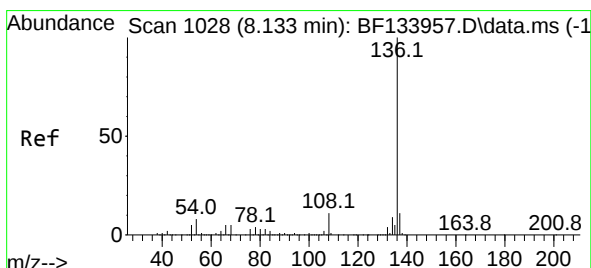
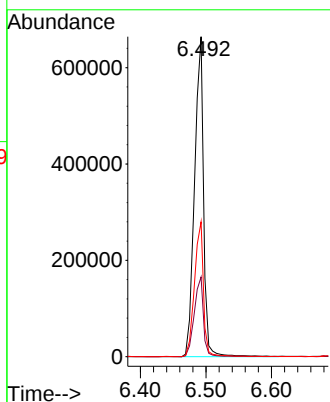
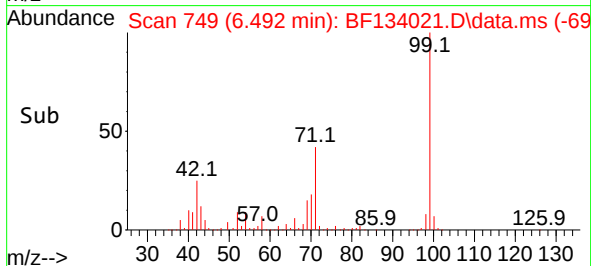
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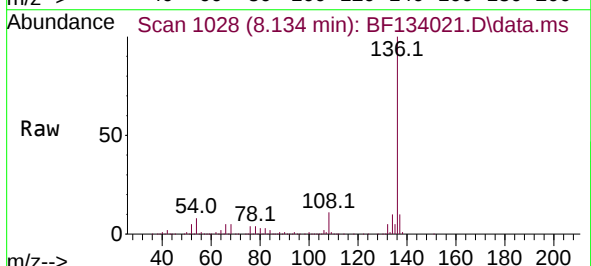
Tgt Ion: 99 Resp: 638398
Ion Ratio Lower Upper
99 100
42 24.9 19.8 29.6
71 42.1 31.9 47.9

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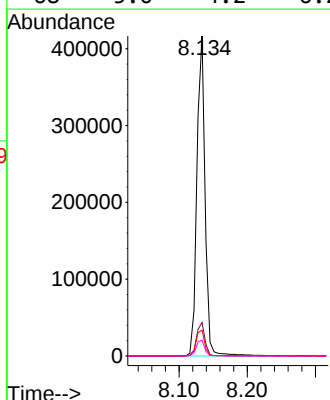
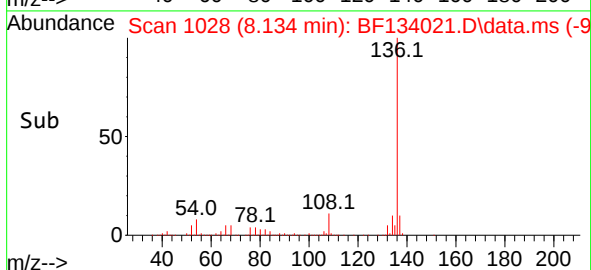
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

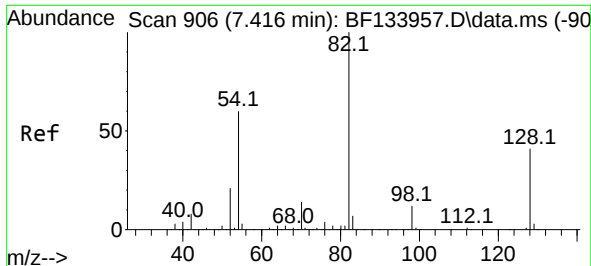


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04



Tgt Ion:136 Resp: 348470
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 8.1 6.5 9.7
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 64.144 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF134021.D

Acq: 28 Jun 2023 09:04

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-25

Tgt Ion: 82 Resp: 41465

Ion Ratio Lower Upper

82 100

128 42.2 32.5 48.7

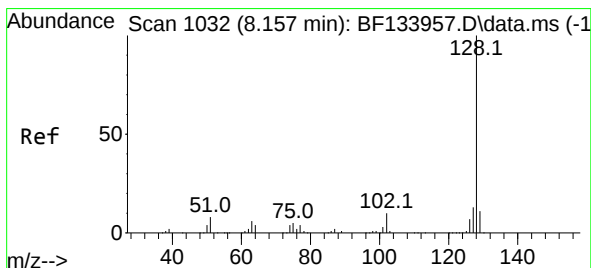
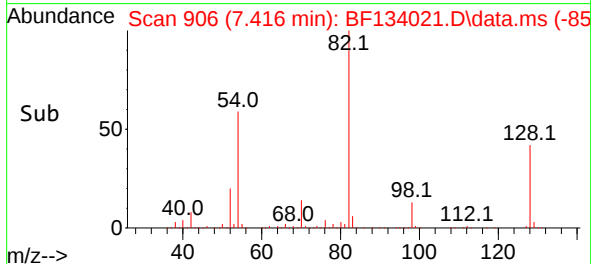
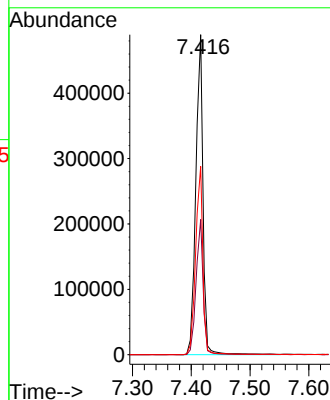
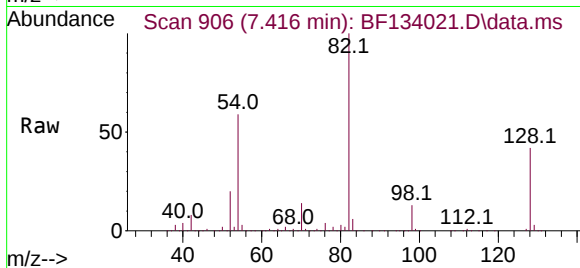
54 58.8 48.2 72.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#31

Naphthalene

Concen: 2.217 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF134021.D

Acq: 28 Jun 2023 09:04

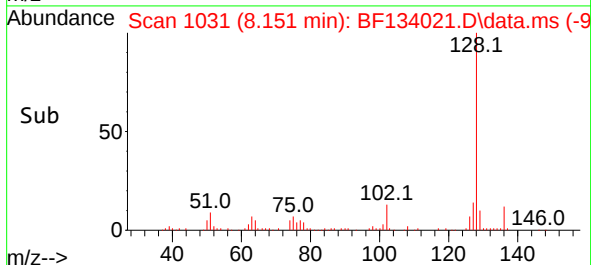
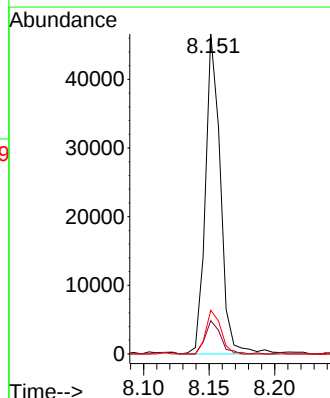
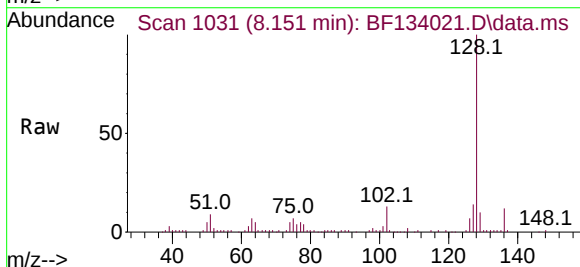
Tgt Ion:128 Resp: 37315

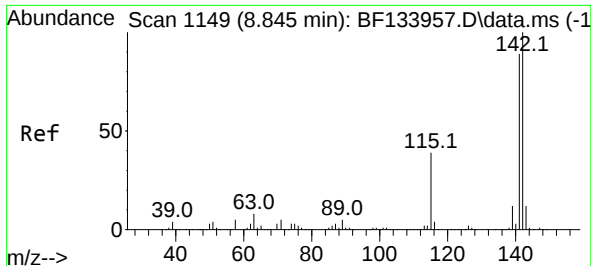
Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

127 13.7 10.6 15.8





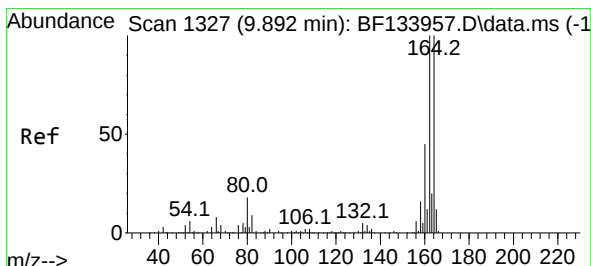
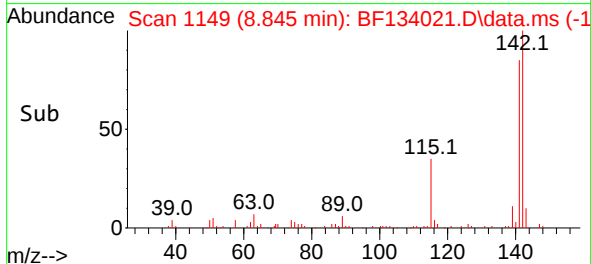
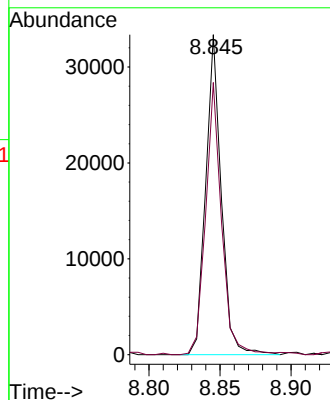
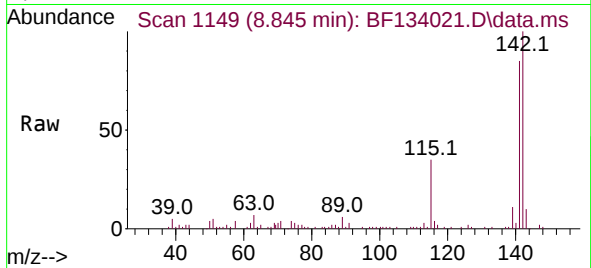
#37
2-Methylnaphthalene
Concen: 2.143 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 2551
Ion Ratio Lower Upper
142 100
141 85.1 71.0 106.4

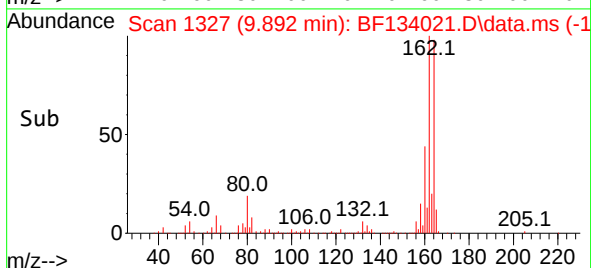
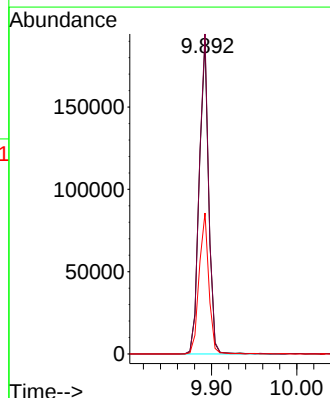
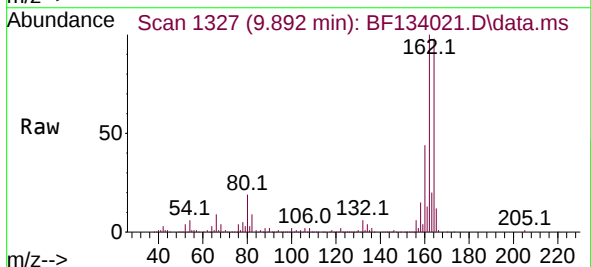
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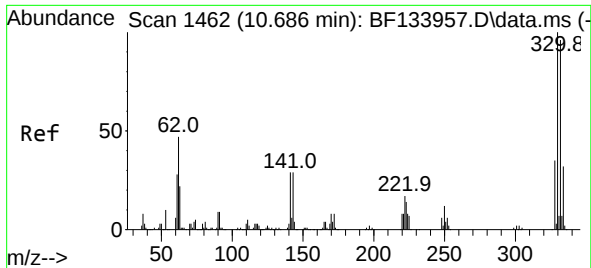
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

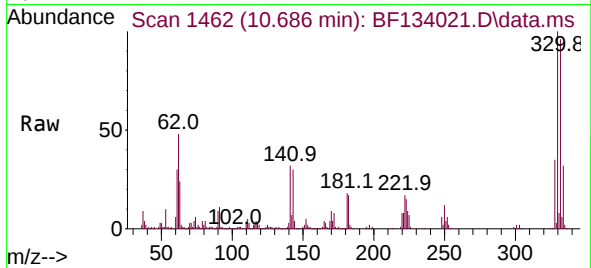
Tgt Ion:164 Resp: 146905
Ion Ratio Lower Upper
164 100
162 102.5 80.0 120.0
160 45.2 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 87.014 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

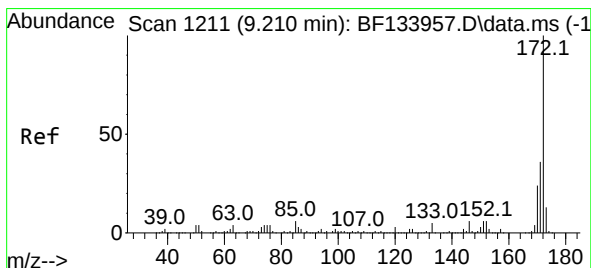
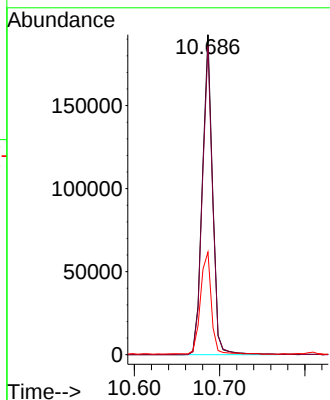
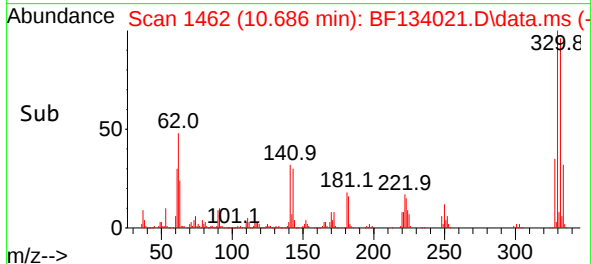
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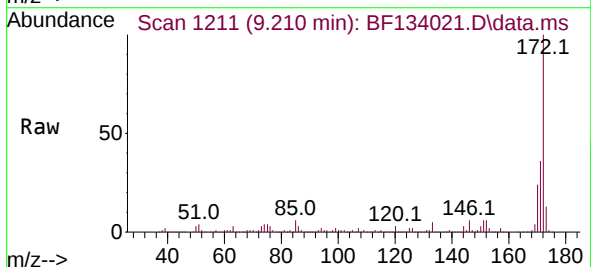
Tgt Ion: 330 Resp: 160270
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 34.3 26.3 39.5

Manual Integrations
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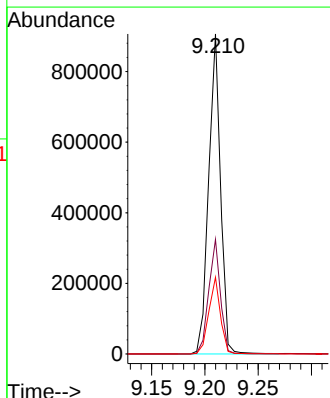
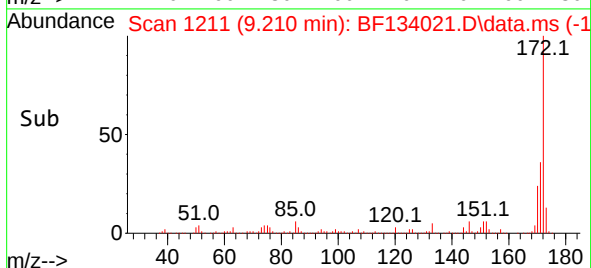
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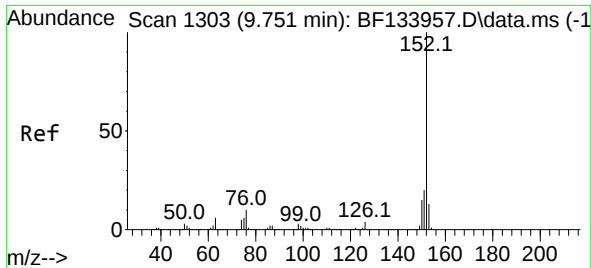


#45
2-Fluorobiphenyl
Concen: 69.650 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04



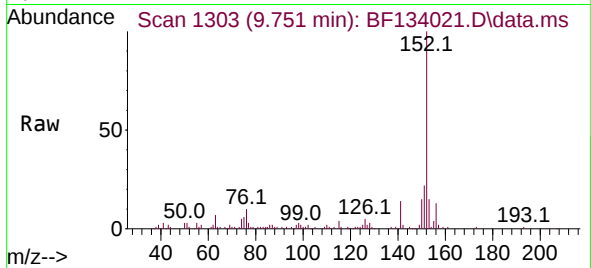
Tgt Ion: 172 Resp: 703763
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 24.0 19.4 29.0





#49
Acenaphthylene
Concen: 2.435 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

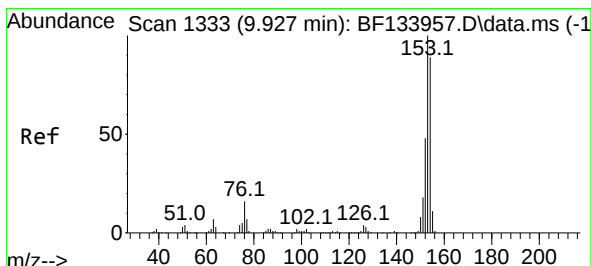
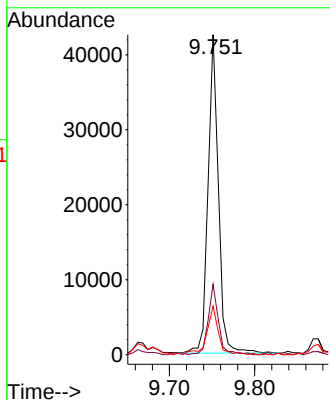
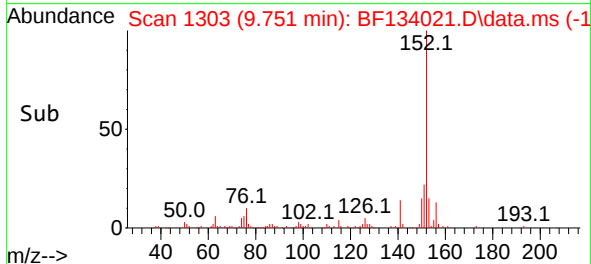
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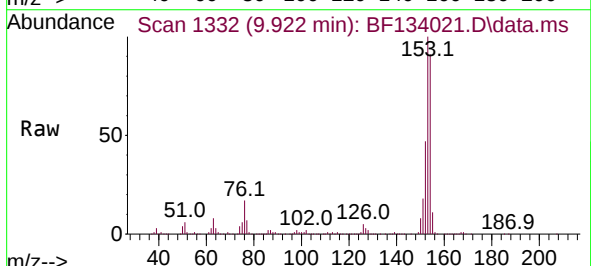
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Ion Ratio Lower Upper
152 100
151 22.0 16.2 24.2
153 15.2 10.8 16.2

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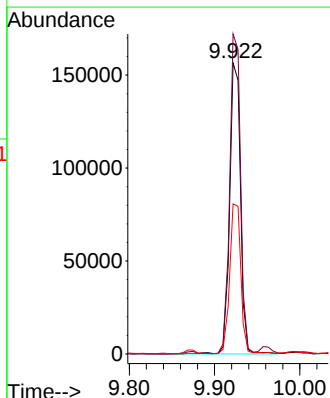
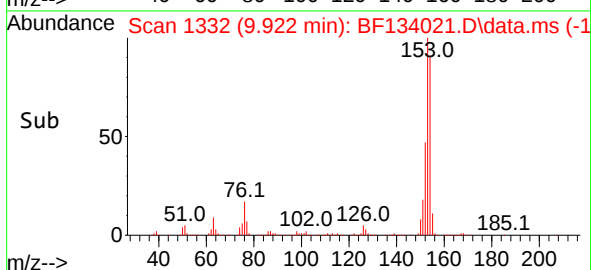
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

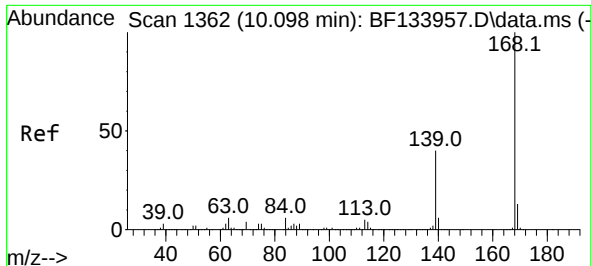


#52
Acenaphthene
Concen: 16.176 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.005 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04



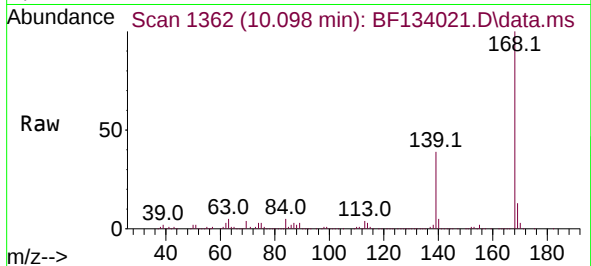
Tgt Ion:154 Resp: 138246
Ion Ratio Lower Upper
154 100
153 110.0 89.4 134.2
152 51.6 42.8 64.2





#55
Dibenzenofuran
Concen: 11.463 ng
RT: 10.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

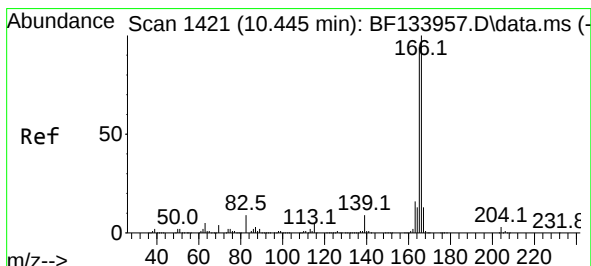
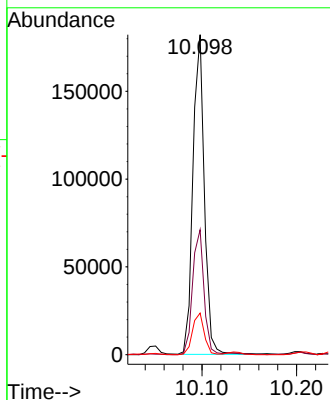
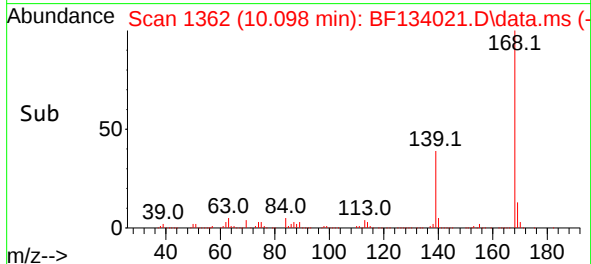
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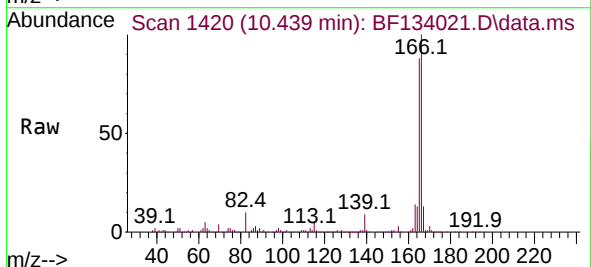
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Manual Integrations
APPROVED

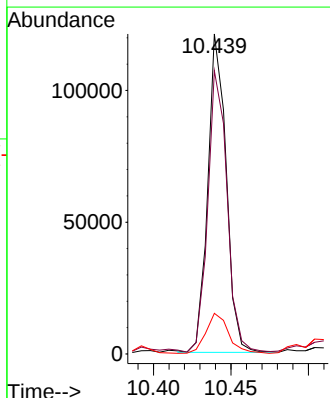
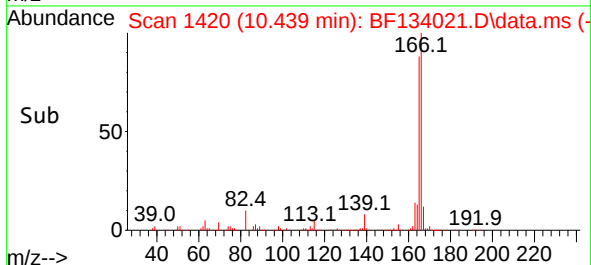
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

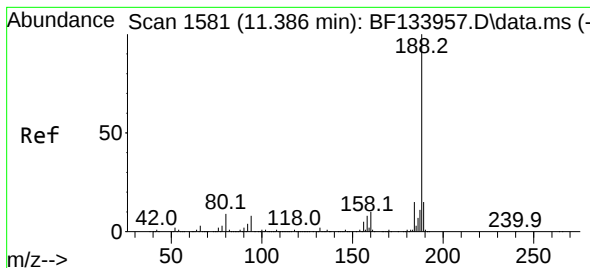


#58
Fluorene
Concen: 9.597 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04



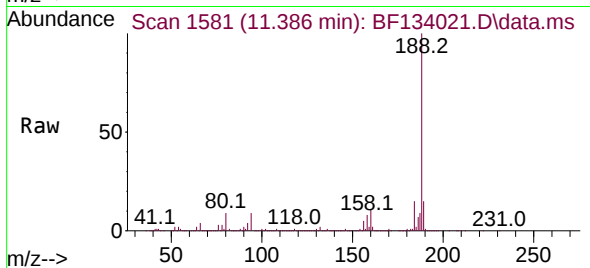
Tgt Ion:166 Resp: 99721
Ion Ratio Lower Upper
166 100
165 88.5 75.0 112.4
167 12.7 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

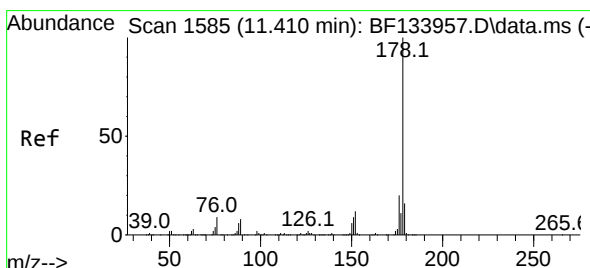
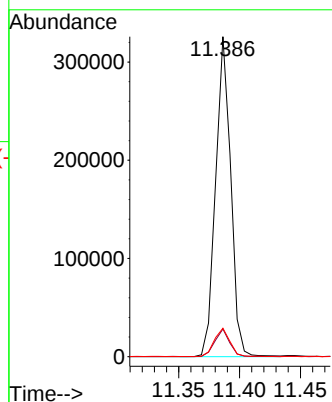
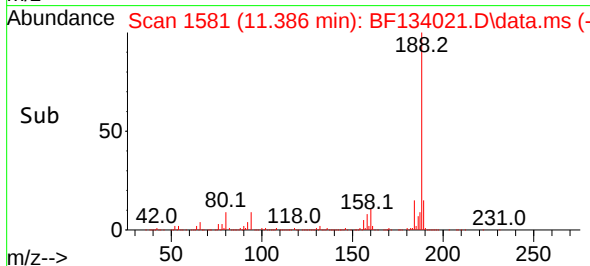
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25



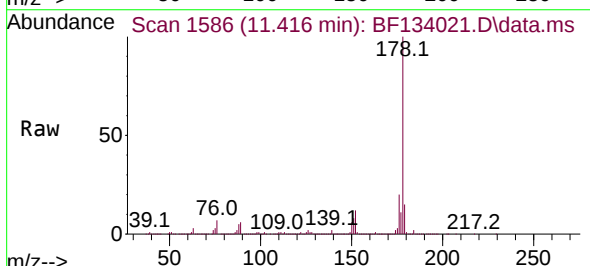
Tgt Ion:188 Resp: 28208
Ion Ratio Lower Upper
188 100
94 8.7 6.4 9.6
80 8.9 7.3 10.9

Manual Integrations
APPROVED

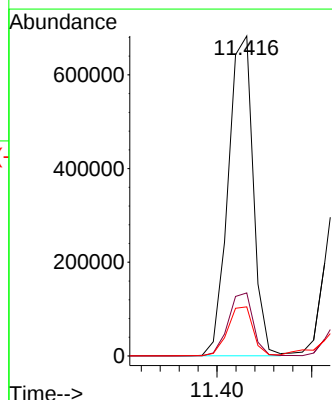
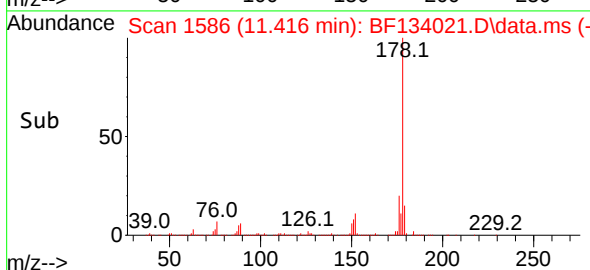
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

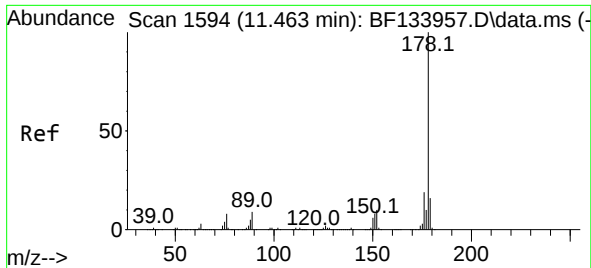


#71
Phenanthrene
Concen: 44.028 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04



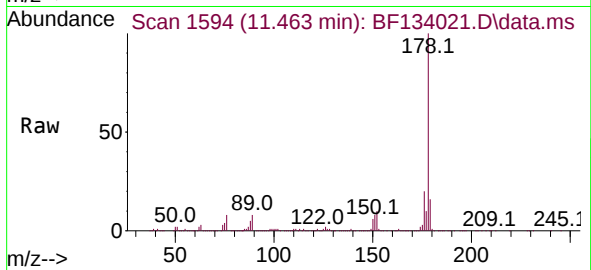
Tgt Ion:178 Resp: 625222
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 21.349 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. 0.000 min
 Lab File: BF134021.D
 Acq: 28 Jun 2023 09:04

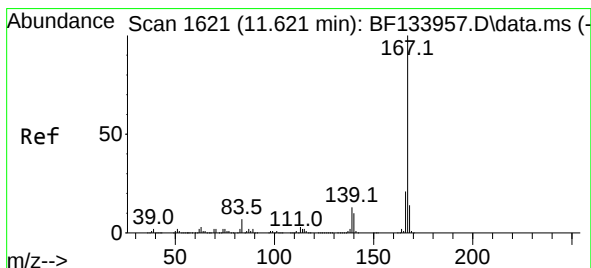
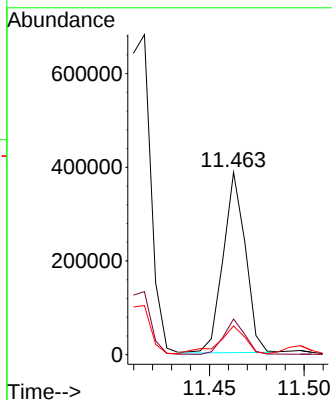
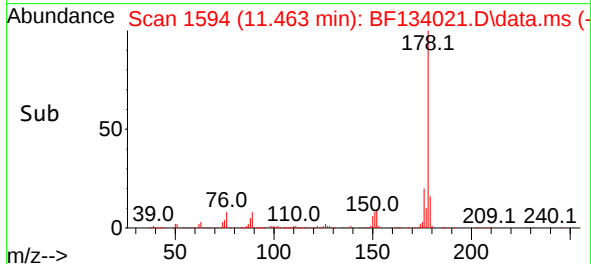
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-25



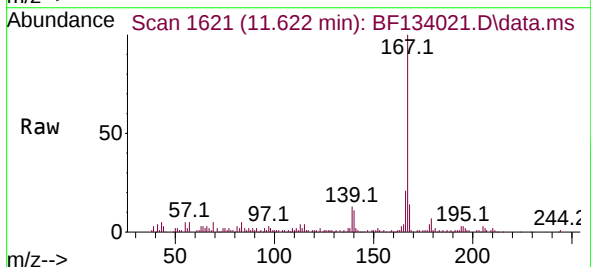
Tgt Ion:178 Resp: 315320
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.3 22.9
 179 15.8 12.4 18.6

Manual Integrations
 APPROVED

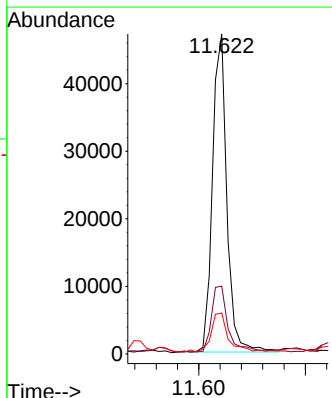
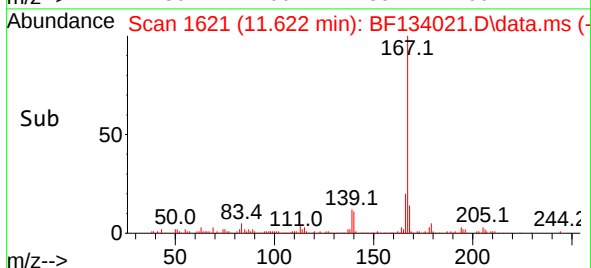
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

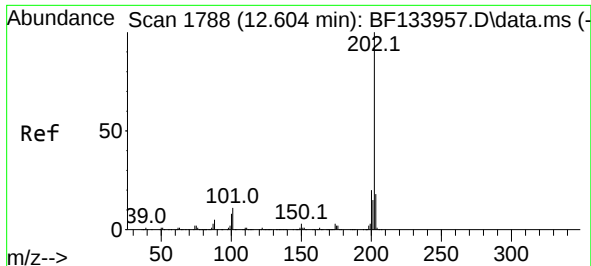


#73
 Carbazole
 Concen: 3.255 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF134021.D
 Acq: 28 Jun 2023 09:04



Tgt Ion:167 Resp: 44007
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.8 10.4 15.6





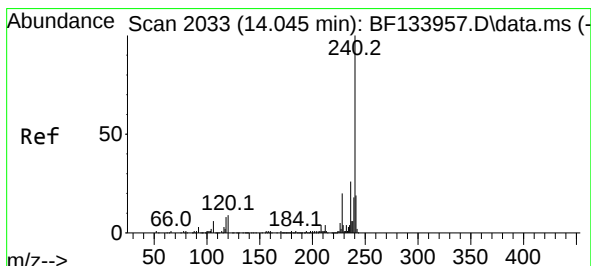
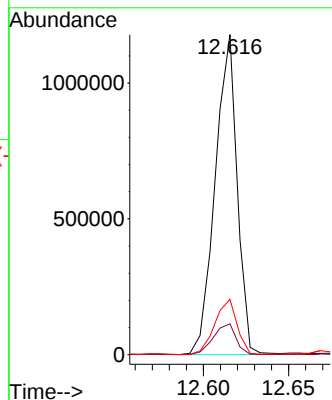
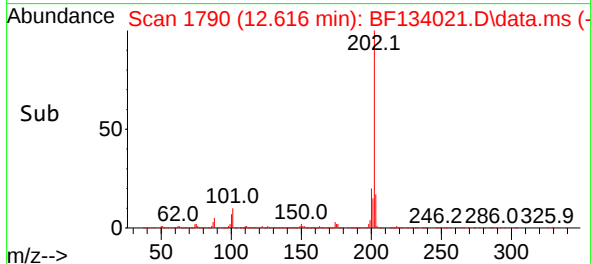
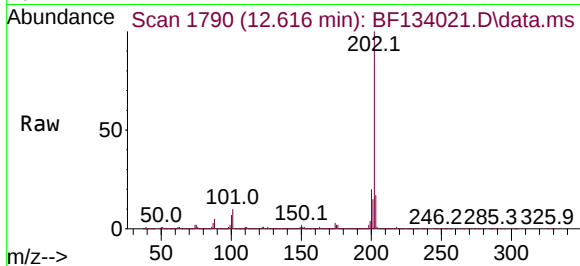
#75
Fluoranthene
Concen: 68.802 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25

Tgt Ion:202 Resp: 105625
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.0
203 17.3 0.0 37.6

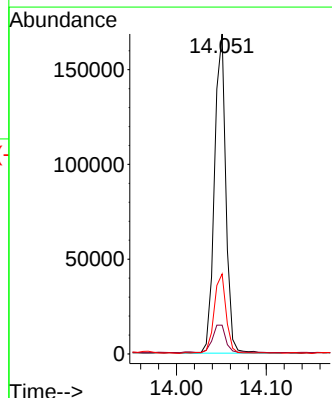
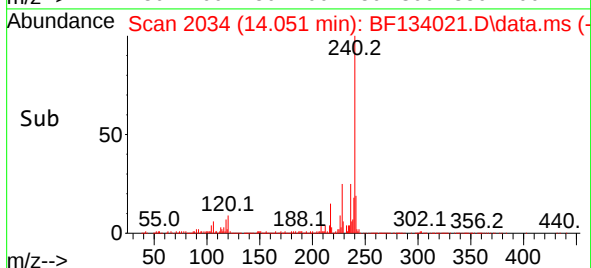
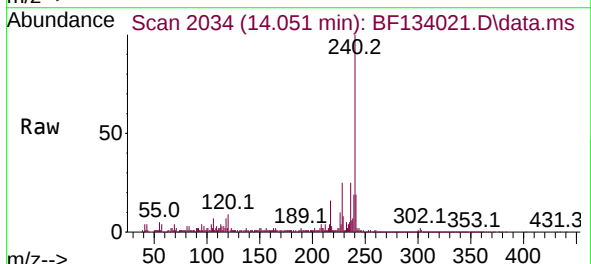
Manual Integrations
APPROVED

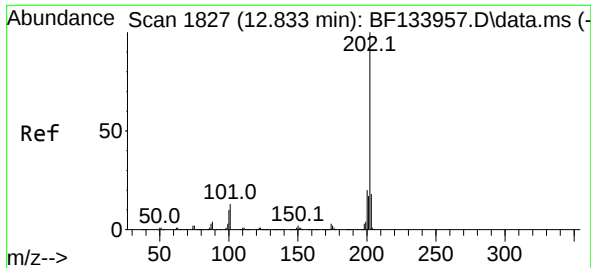
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

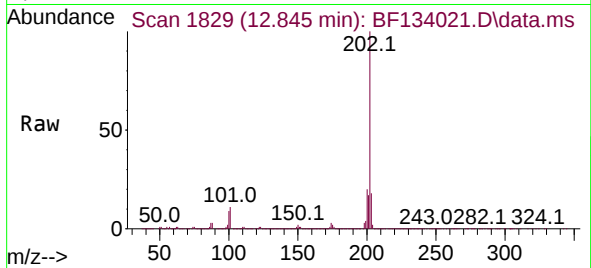
Tgt Ion:240 Resp: 148310
Ion Ratio Lower Upper
240 100
120 9.0 7.4 11.0
236 25.0 21.0 31.6





#78
Pyrene
Concen: 60.051 ng
RT: 12.845 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

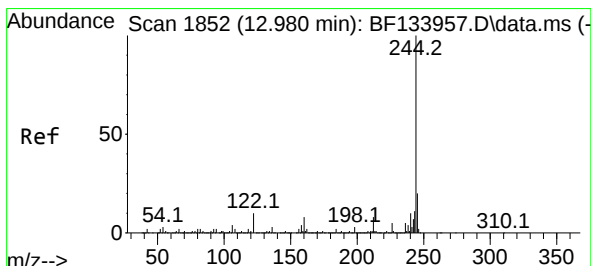
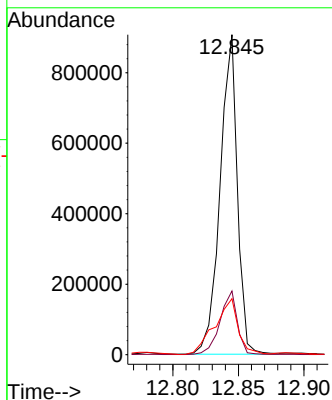
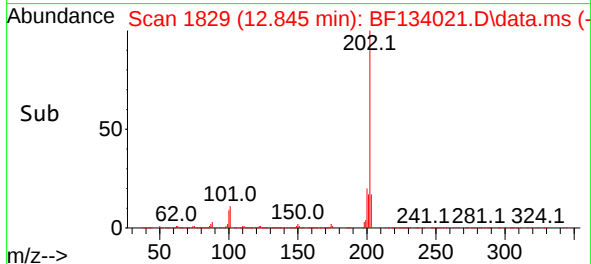
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25



Tgt Ion:202 Resp: 828840
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 17.5 14.3 21.5

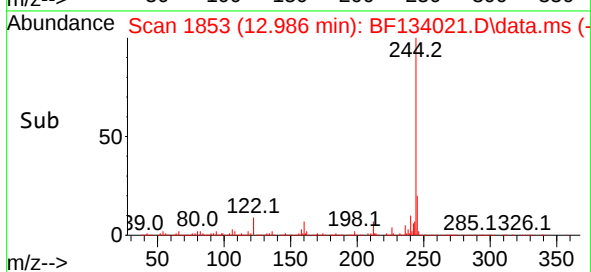
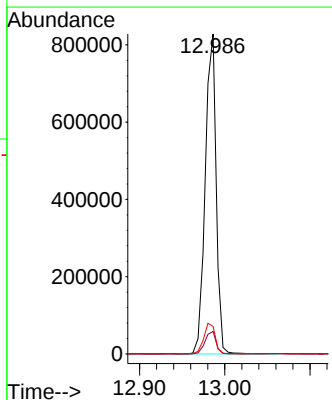
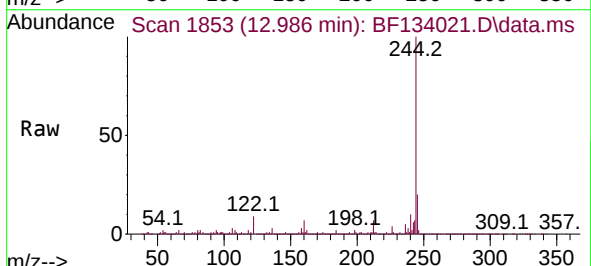
Manual Integrations
APPROVED

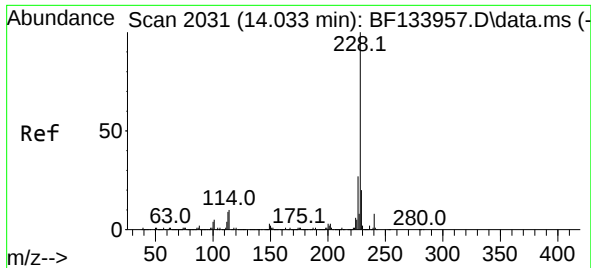
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#79
Terphenyl-d14
Concen: 79.782 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

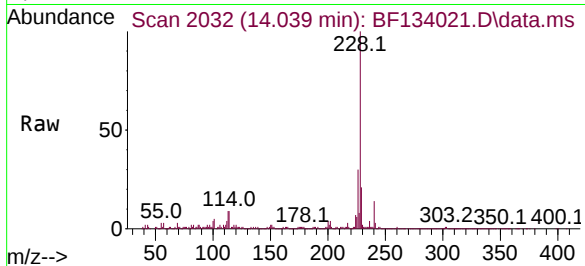
Tgt Ion:244 Resp: 735200
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 8.6 8.3 12.5





#81
Benzo(a)anthracene
Concen: 27.723 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

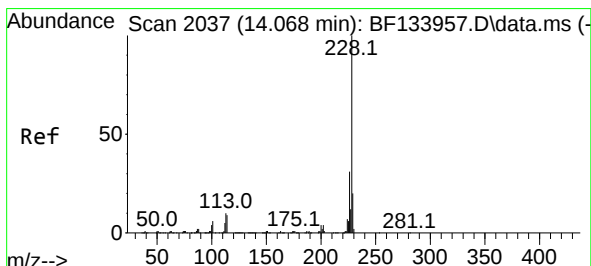
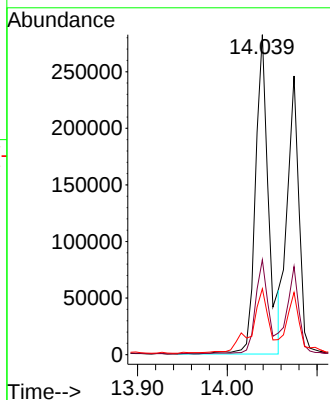
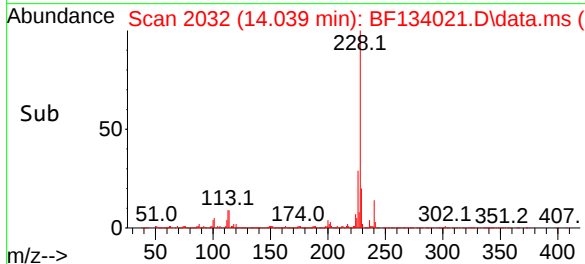
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25



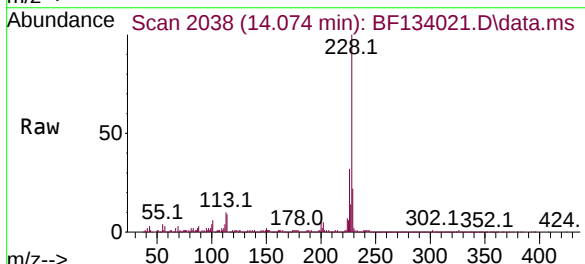
Tgt Ion:228 Resp: 28514
Ion Ratio Lower Upper
228 100
226 29.7 22.0 33.0
229 20.6 16.3 24.5

Manual Integrations
APPROVED

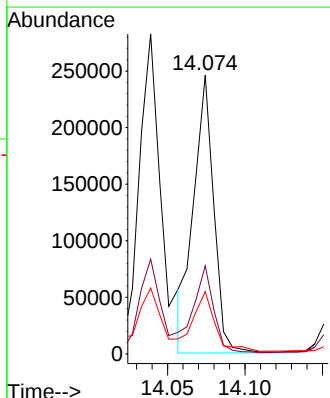
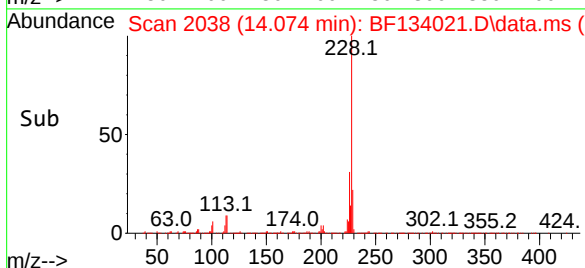
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

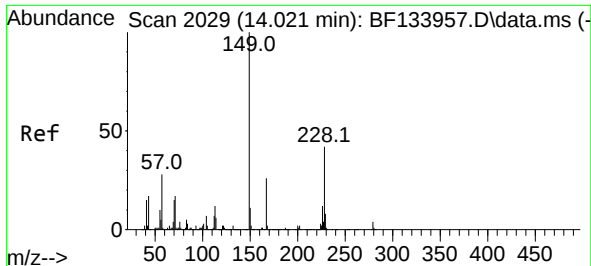


#83
Chrysene
Concen: 22.369 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04



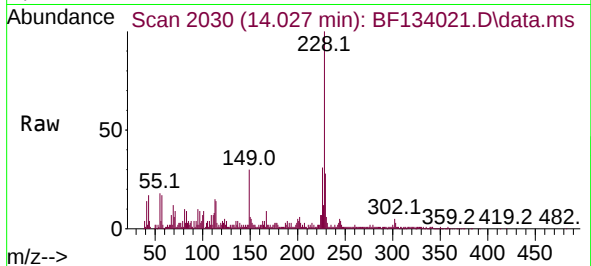
Tgt Ion:228 Resp: 222850
Ion Ratio Lower Upper
228 100
226 31.6 24.4 36.6
229 22.3 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.920 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

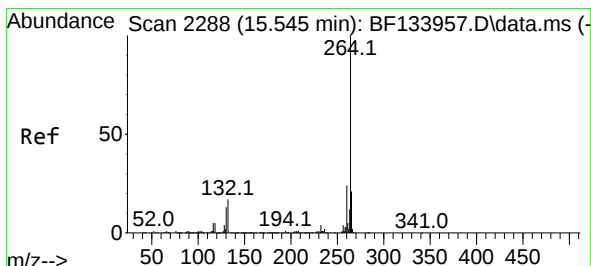
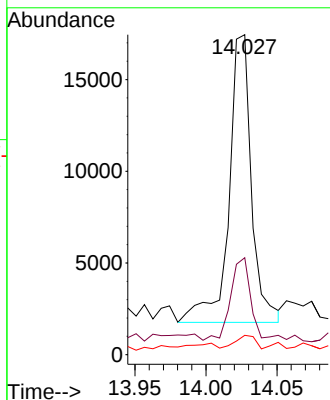
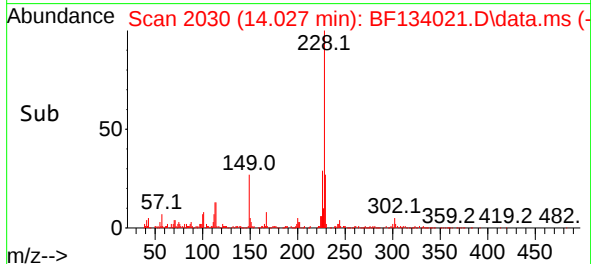
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25



Tgt Ion:149 Resp: 1737
Ion Ratio Lower Upper
149 100
167 30.3 21.0 31.4
279 6.1 3.3 4.9

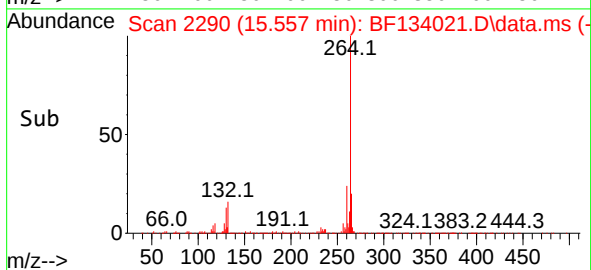
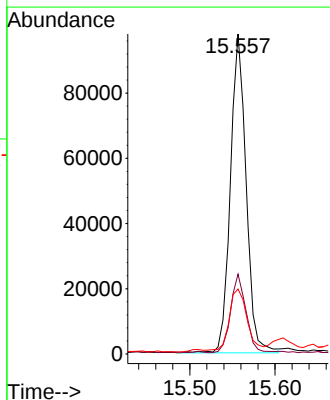
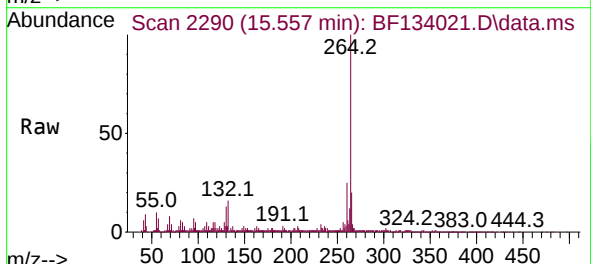
Manual Integrations
APPROVED

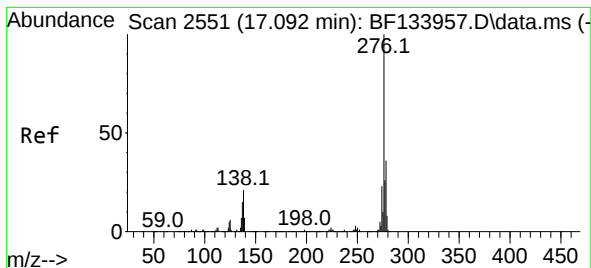
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.012 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

Tgt Ion:264 Resp: 125696
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 20.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.511 ng m

RT: 17.109 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134021.D

Acq: 28 Jun 2023 09:04

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-25

Tgt Ion:276 Resp: 8295

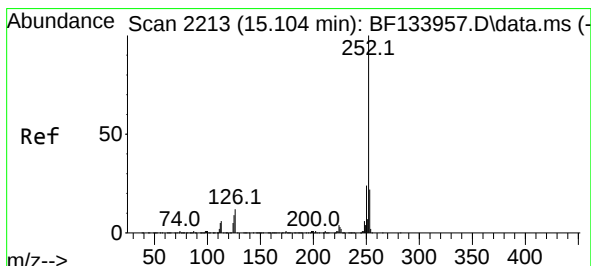
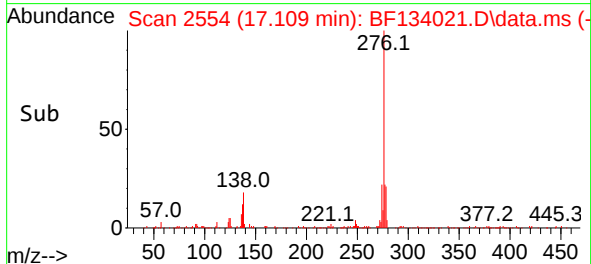
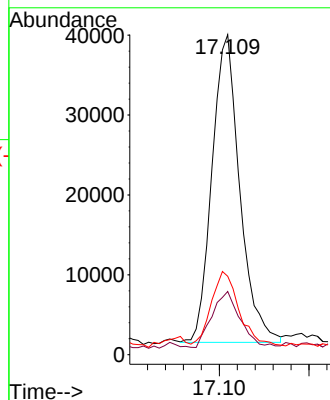
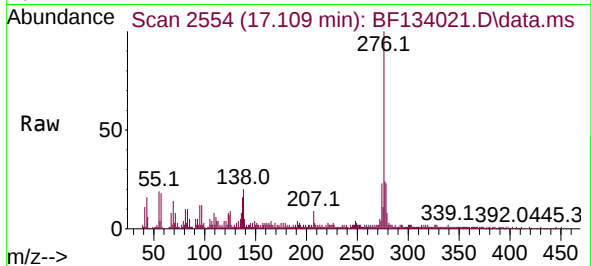
Ion	Ratio	Lower	Upper
276	100		
138	4.4	18.7	28.1
277	5.4	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#88

Benzo(b)fluoranthene

Concen: 31.322 ng m

RT: 15.110 min Scan# 2214

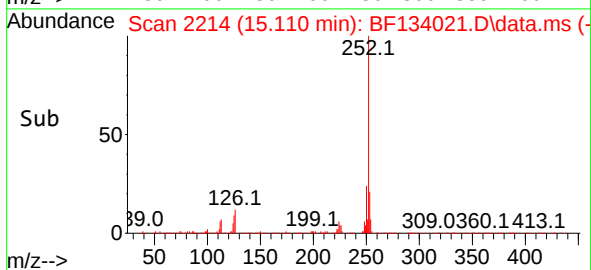
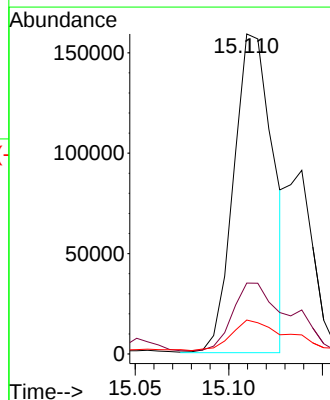
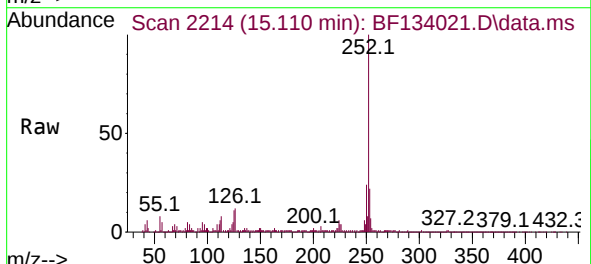
Delta R.T. 0.006 min

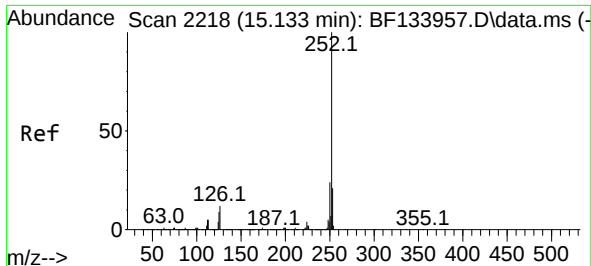
Lab File: BF134021.D

Acq: 28 Jun 2023 09:04

Tgt Ion:252 Resp: 231505

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	10.6	7.1	10.7





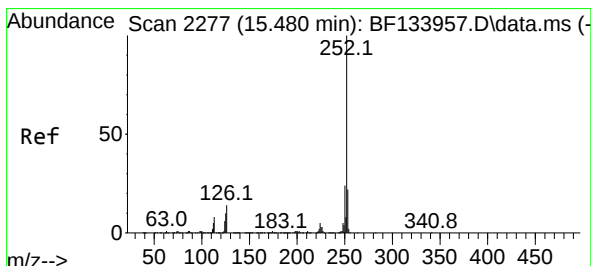
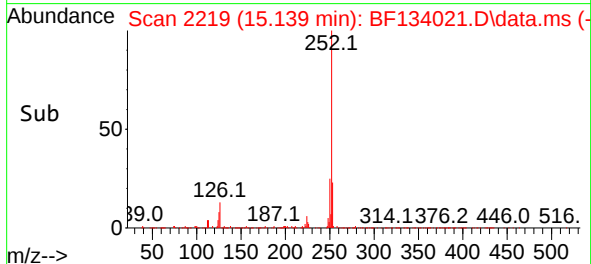
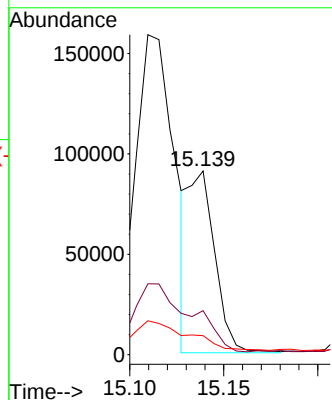
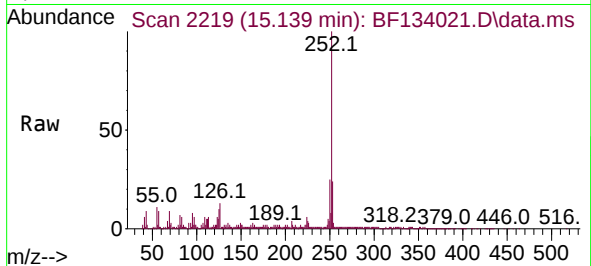
#89
Benzo(k)fluoranthene
Concen: 11.696 ng m
RT: 15.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25

Tgt Ion:252 Resp: 88015
Ion Ratio Lower Upper
252 100
253 24.0 16.9 25.3
125 10.4 7.4 11.2

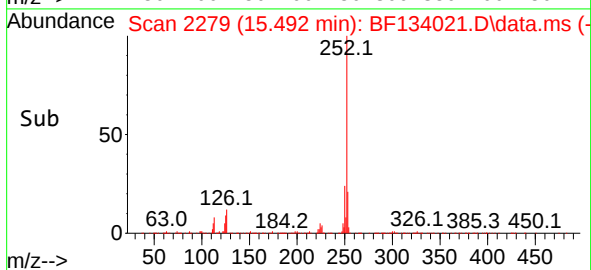
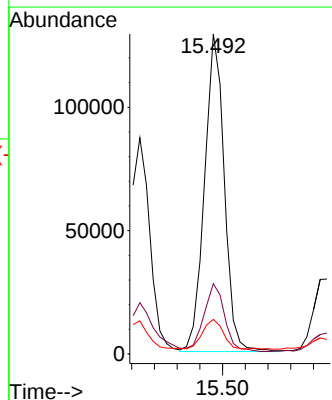
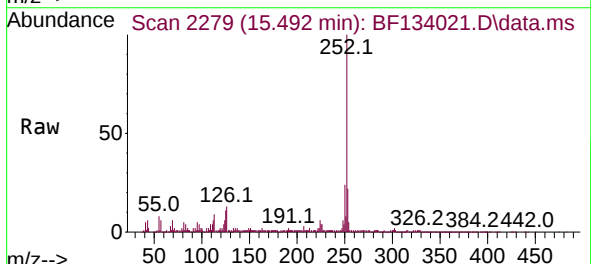
Manual Integrations
APPROVED

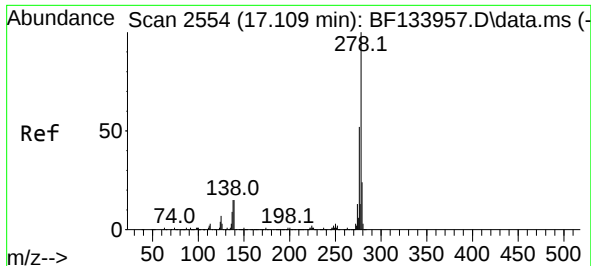
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#90
Benzo(a)pyrene
Concen: 21.802 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

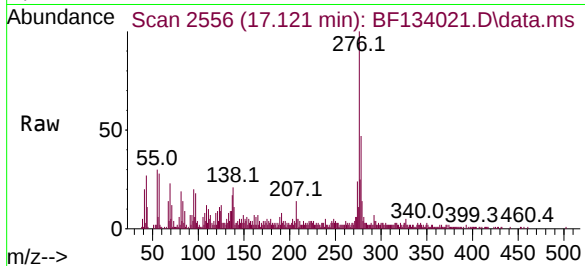
Tgt Ion:252 Resp: 155818
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.8 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 3.369 ng
RT: 17.121 min Scan# 2554
Delta R.T. 0.012 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

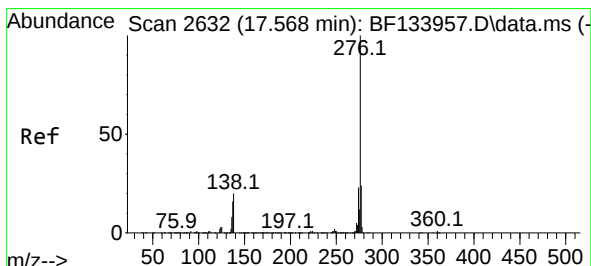
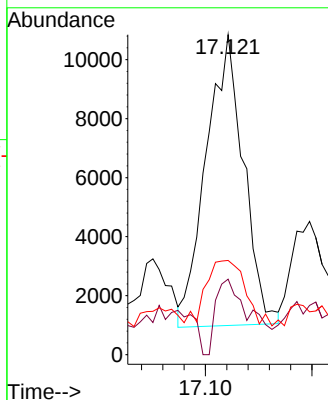
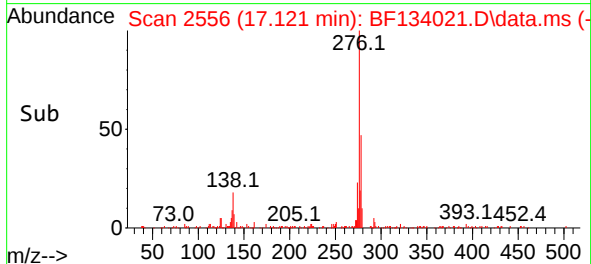
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25



Tgt Ion:278 Resp: 24000
Ion Ratio Lower Upper
278 100
139 23.6 12.2 18.4
279 29.4 19.4 29.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 10.334 ng
RT: 17.580 min Scan# 2634
Delta R.T. 0.012 min
Lab File: BF134021.D
Acq: 28 Jun 2023 09:04

Tgt Ion:276 Resp: 75922
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 19.5 16.2 24.2

