

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134024.D
 Acq On : 28 Jun 2023 10:41
 Operator : CG\JU
 Sample : 03361-01 2X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-28-29

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 11:48:36 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	100908	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	370274	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	139149	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	306930	20.000	ng	0.00
76) Chrysene-d12	14.051	240	132011	20.000	ng	0.00
86) Perylene-d12	15.563	264	107577	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	286407	47.478	ng	0.00
7) Phenol-d6	6.487	99	331001	44.617	ng	0.00
23) Nitrobenzene-d5	7.410	82	213567	31.092	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	59870	34.316	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	372966	38.969	ng	0.00
79) Terphenyl-d14	12.980	244	370461	45.165	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	38751	2.167	ng	99
49) Acenaphthylene	9.751	152	37199	2.666	ng	98
52) Acenaphthene	9.922	154	29022	3.585	ng	96
55) Dibenzofuran	10.098	168	28648	2.264	ng	99
58) Fluorene	10.439	166	29925	3.040	ng	99
71) Phenanthrene	11.410	178	383840	24.842	ng	100
72) Anthracene	11.463	178	106453	6.624	ng	99
73) Carbazole	11.622	167	44682	3.038	ng	97
75) Fluoranthene	12.610	202	549823	32.915	ng	99
78) Pyrene	12.839	202	466502	37.972	ng	100
81) Benzo(a)anthracene	14.039	228	203827	22.263	ng	96
83) Chrysene	14.074	228	162888	18.369	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	26483	5.002	ng	# 91
87) Indeno(1,2,3-cd)pyrene	17.115	276	67866	9.092	ng	95
88) Benzo(b)fluoranthene	15.116	252	210774m	33.321	ng	
89) Benzo(k)fluoranthene	15.139	252	68281m	10.602	ng	
90) Benzo(a)pyrene	15.498	252	127528	20.849	ng	96
91) Dibenzo(a,h)anthracene	17.121	278	17462	2.864	ng	# 77
92) Benzo(g,h,i)perylene	17.592	276	63005	10.020	ng	97

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

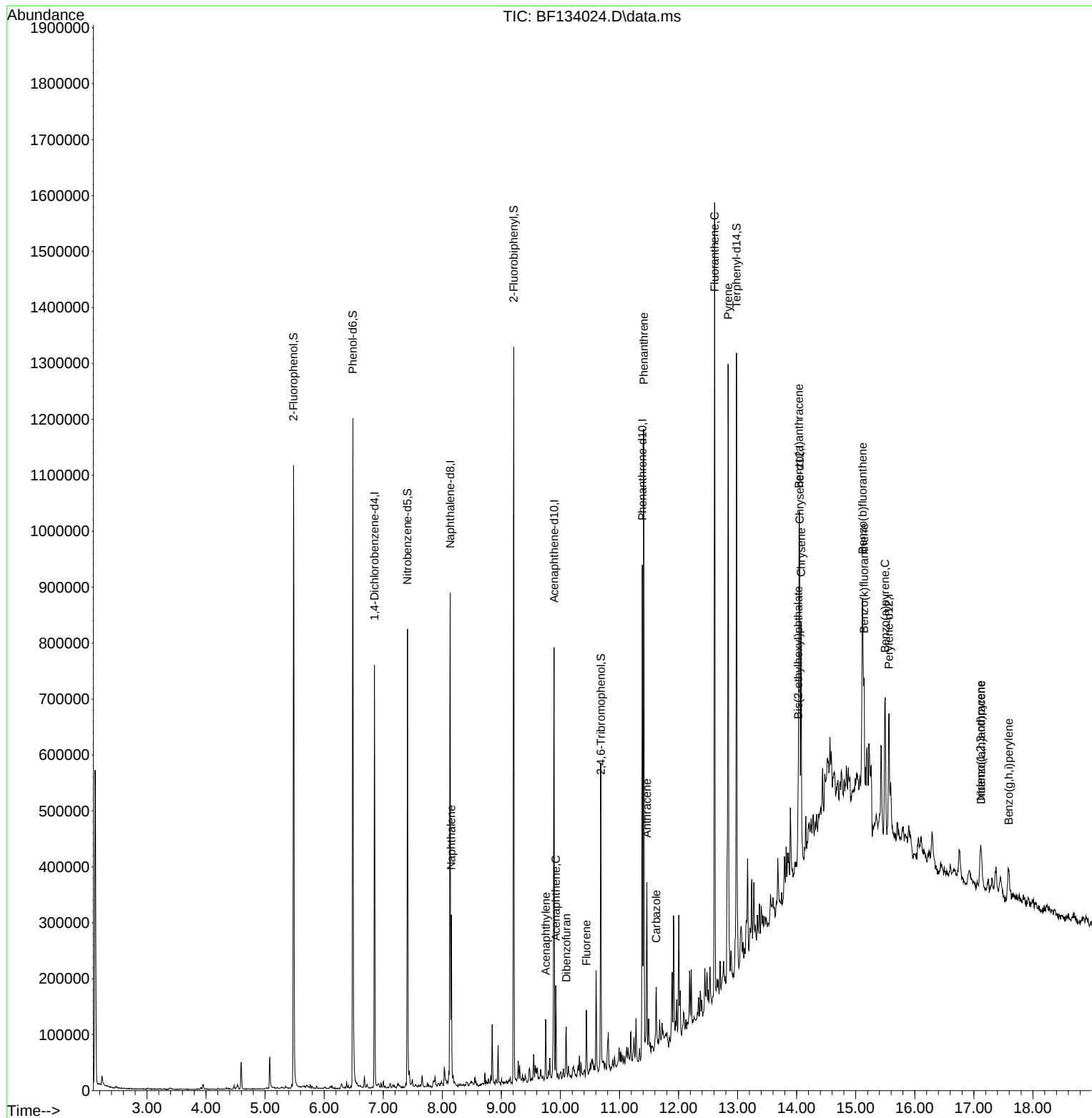
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134024.D
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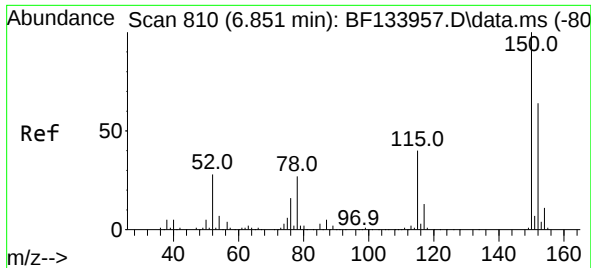
Instrument :
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COMPOSIT-SB-28-29

Quant Time: Jun 28 11:48:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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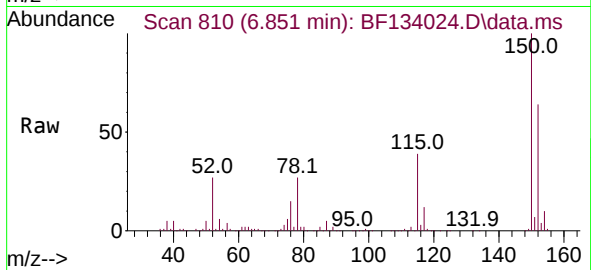
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

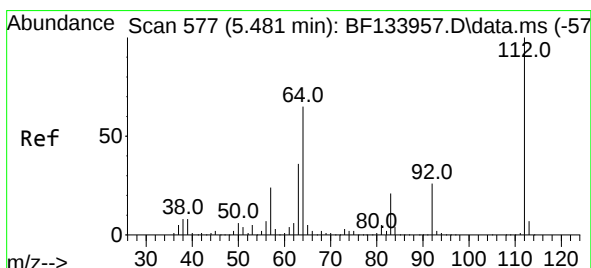
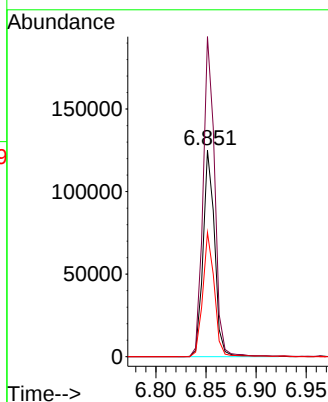
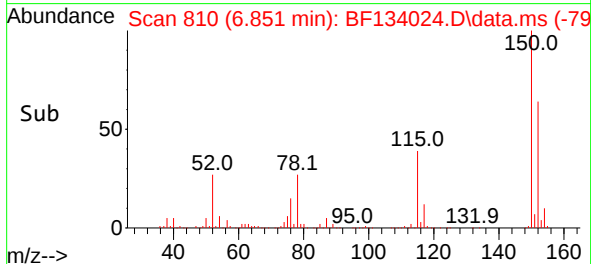
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion:152 Resp: 100908
Ion Ratio Lower Upper
152 100
150 155.1 124.5 186.7
115 60.2 50.2 75.2

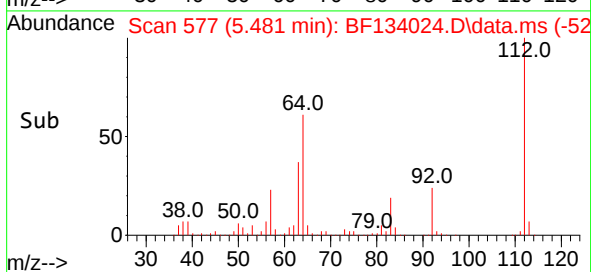
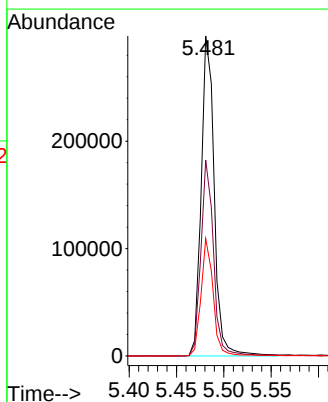
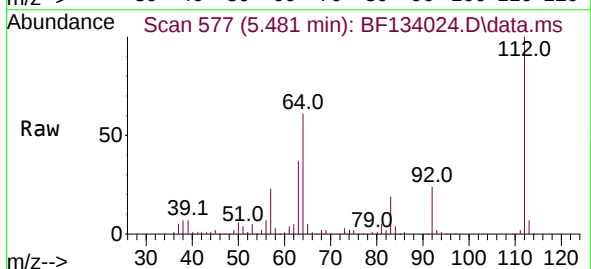
Manual Integrations
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Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#5
2-Fluorophenol
Concen: 47.478 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

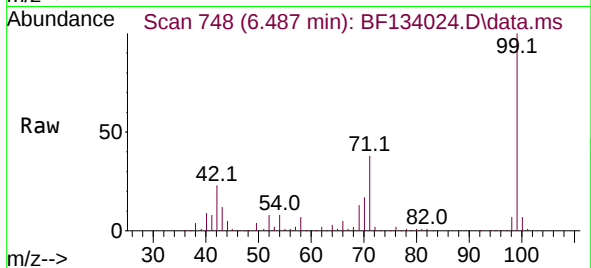
Tgt Ion:112 Resp: 286407
Ion Ratio Lower Upper
112 100
64 61.3 52.1 78.1
63 36.6 28.6 42.8





#7
Phenol-d6
Concen: 44.617 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

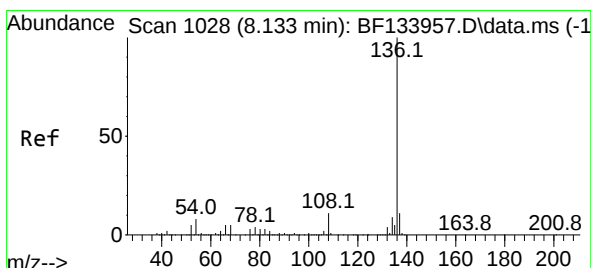
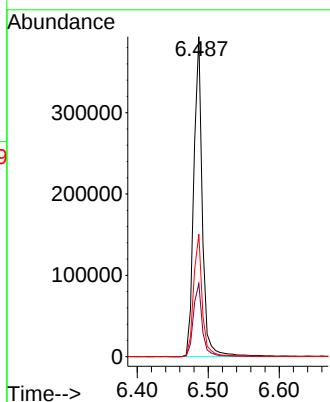
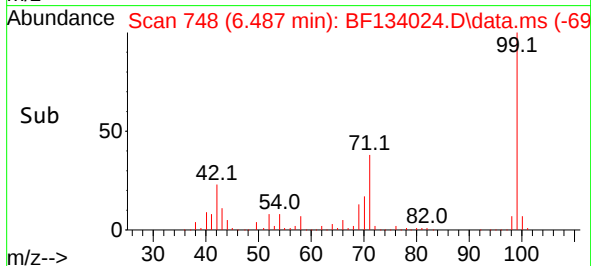
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion: 99 Resp: 33100
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.6
71 38.2 31.9 47.9

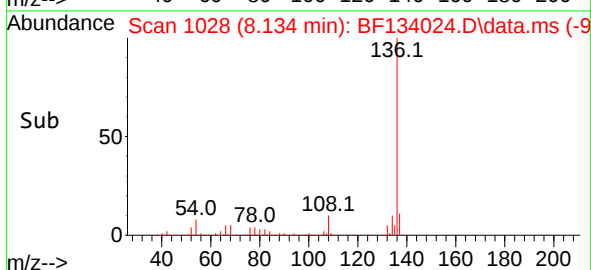
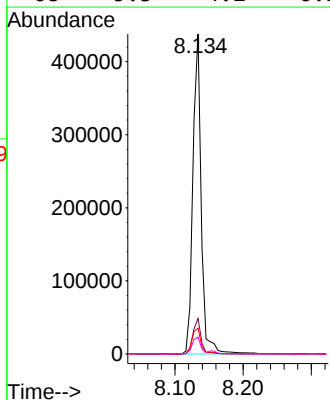
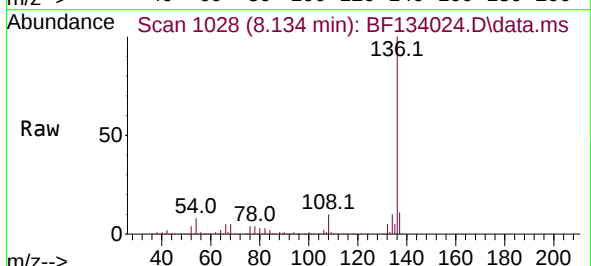
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Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

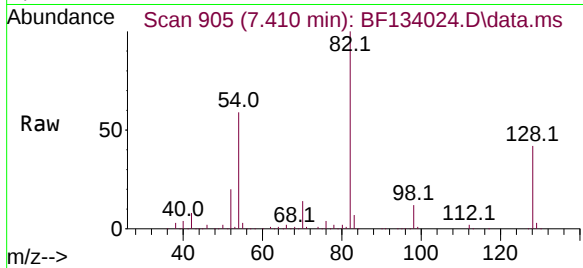
Tgt Ion:136 Resp: 370274
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.0 6.5 9.7
68 5.3 4.2 6.2





#23
Nitrobenzene-d5
Concen: 31.092 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

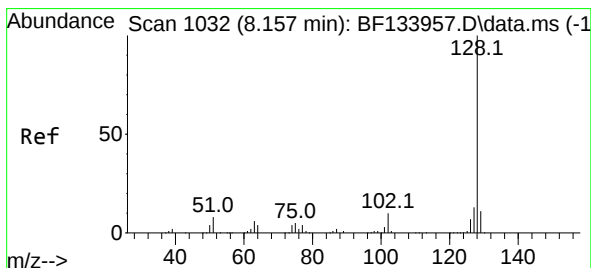
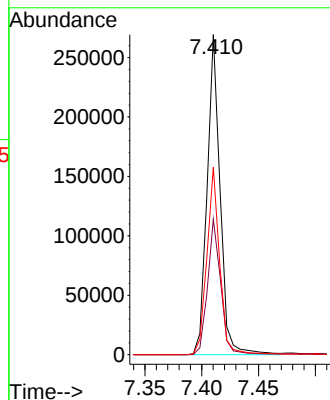
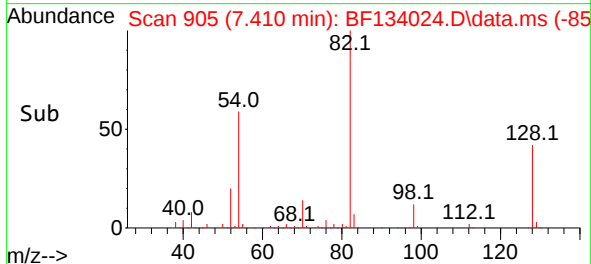
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion: 82 Resp: 21356
Ion Ratio Lower Upper
82 100
128 42.4 32.5 48.7
54 58.6 48.2 72.2

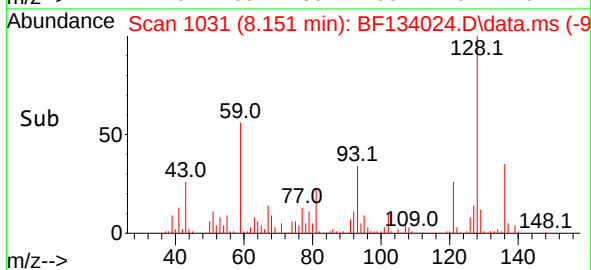
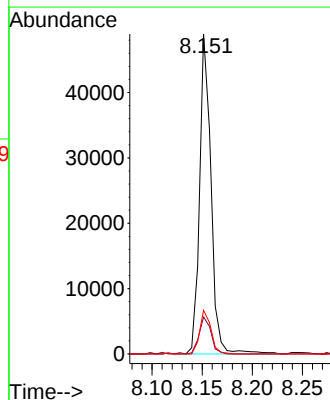
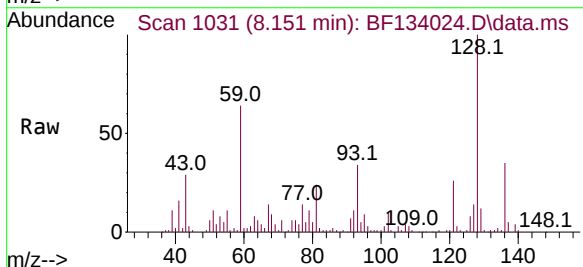
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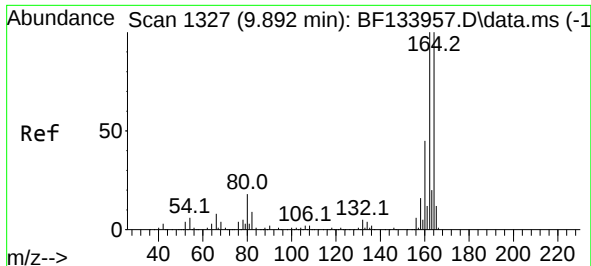
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#31
Naphthalene
Concen: 2.167 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

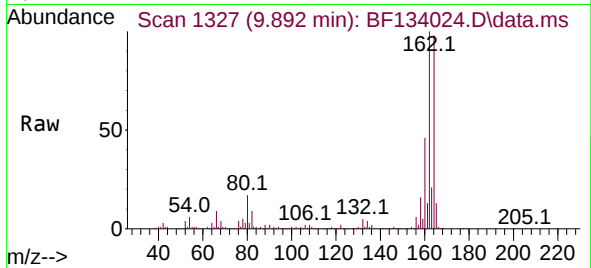
Tgt Ion:128 Resp: 38751
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.6 10.6 15.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

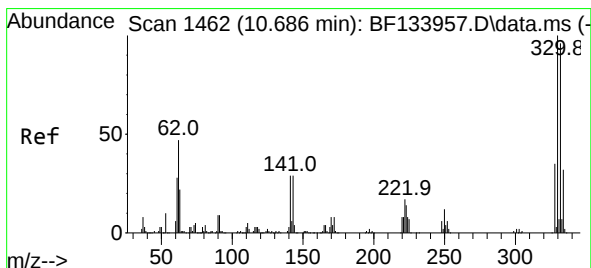
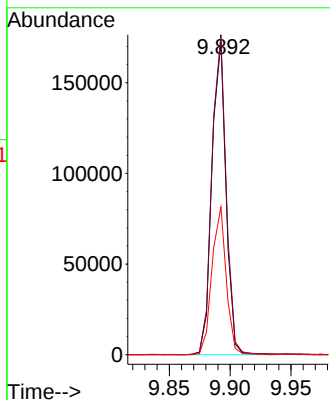
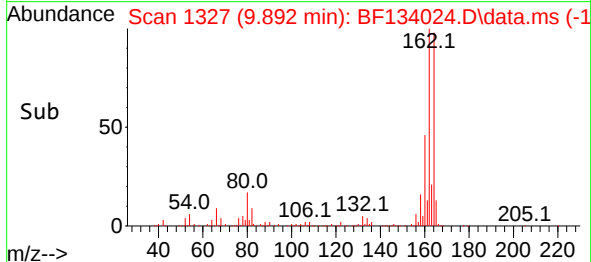
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



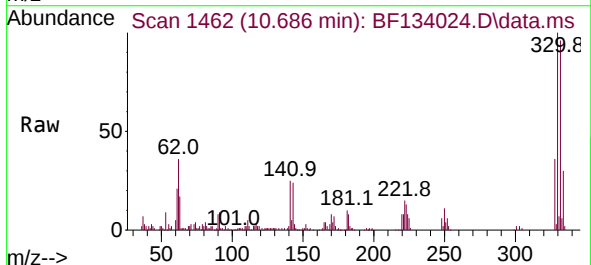
Tgt Ion:164 Resp: 139149
Ion Ratio Lower Upper
164 100
162 102.1 80.0 120.0
160 47.1 35.9 53.9

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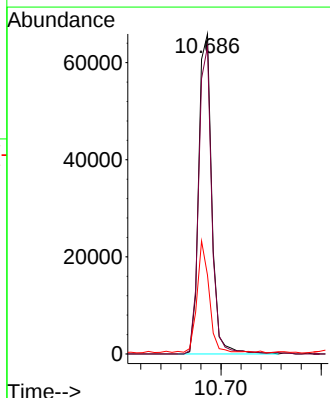
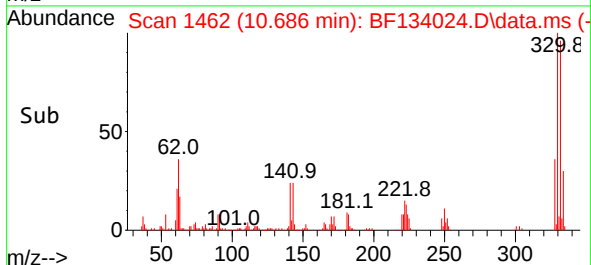
Reviewed By :Yogesh Patel 06/29/2023
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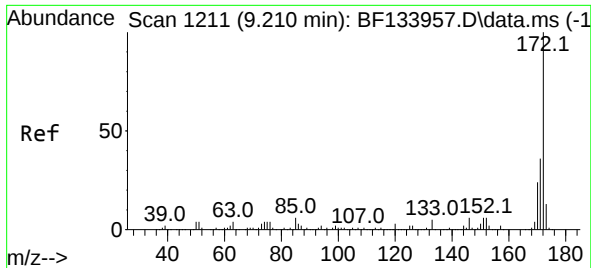


#42
2,4,6-Tribromophenol
Concen: 34.316 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41



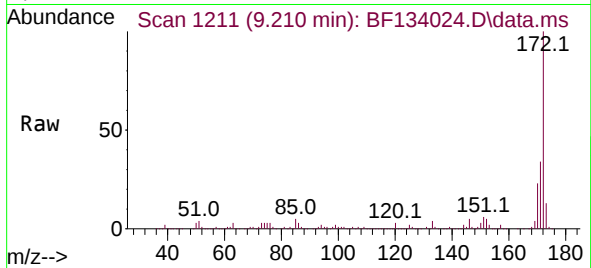
Tgt Ion:330 Resp: 59870
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 31.7 26.3 39.5





#45
2-Fluorobiphenyl
Concen: 38.969 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

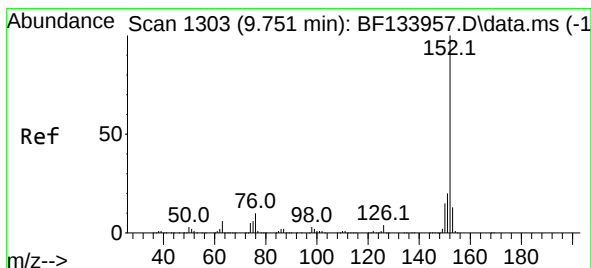
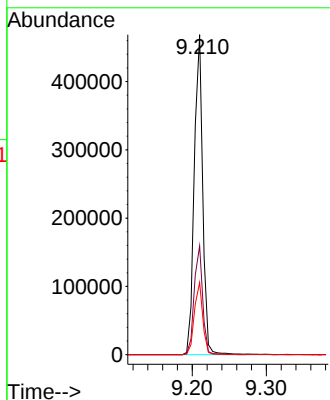
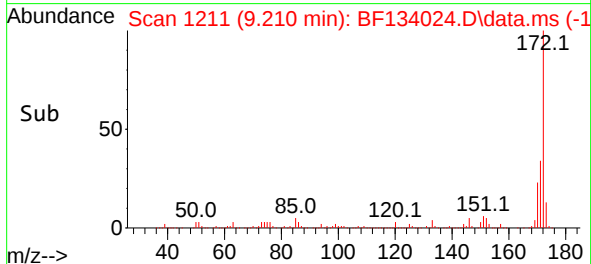
Instrument :
BNA_F
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COMPOSIT-SB-28-29



Tgt Ion:172 Resp: 372960
Ion Ratio Lower Upper
172 100
171 34.0 28.6 43.0
170 22.6 19.4 29.0

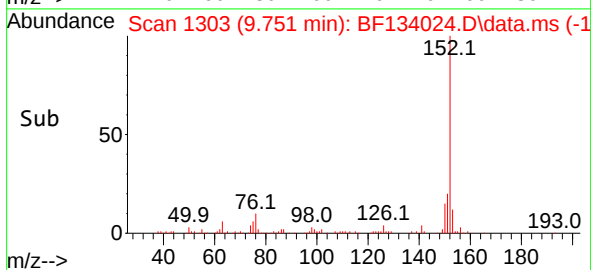
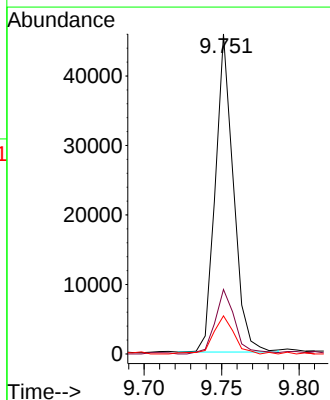
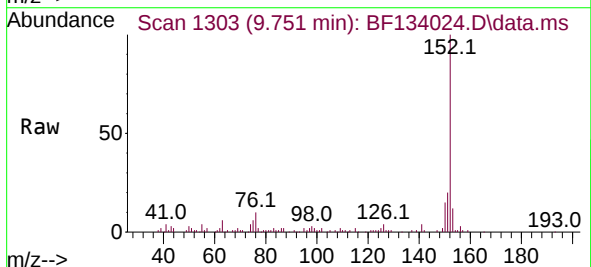
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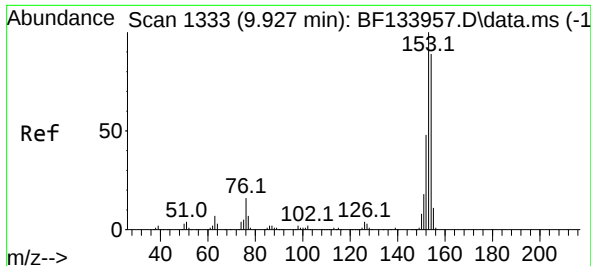
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#49
Acenaphthylene
Concen: 2.666 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

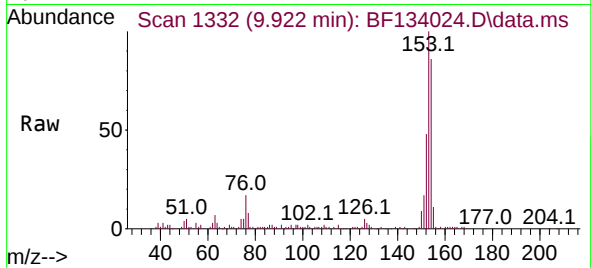
Tgt Ion:152 Resp: 37199
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 11.9 10.8 16.2





#52
Acenaphthene
Concen: 3.585 ng
RT: 9.922 min Scan# 1333
Delta R.T. -0.005 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

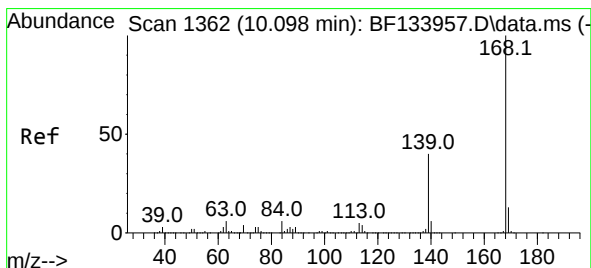
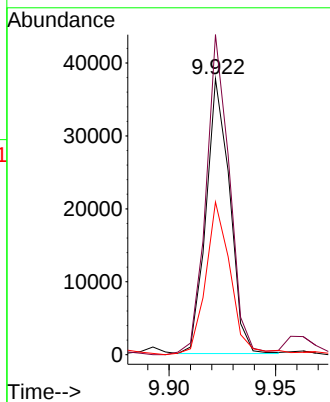
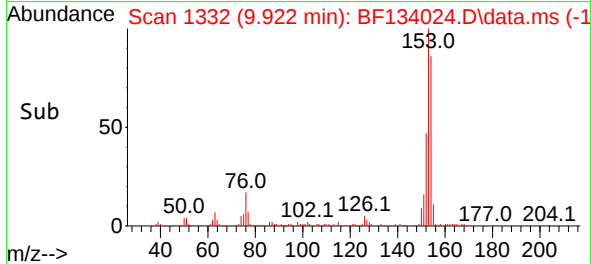
Instrument :
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COMPOSIT-SB-28-29



Tgt Ion:154 Resp: 2902
Ion Ratio Lower Upper
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153 116.0 89.4 134.2
152 55.3 42.8 64.2

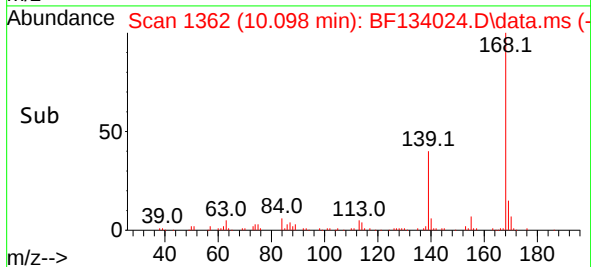
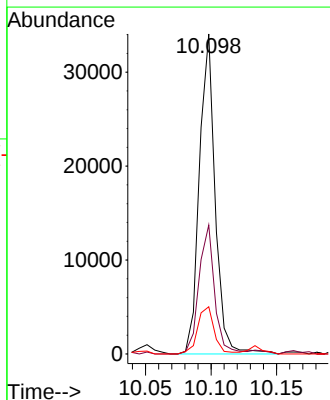
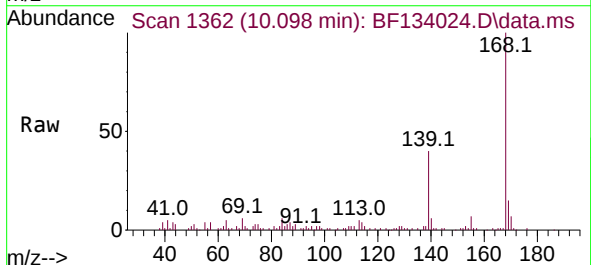
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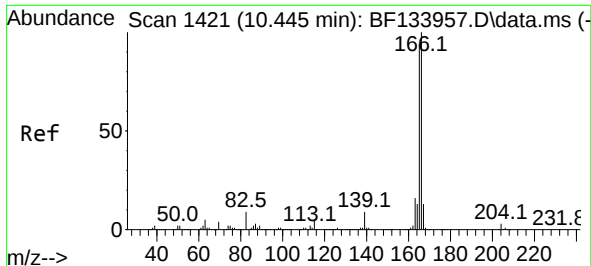
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#55
Dibenzofuran
Concen: 2.264 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

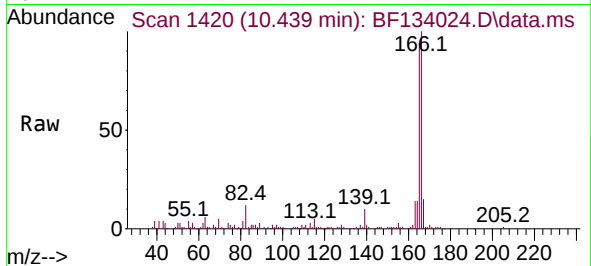
Tgt Ion:168 Resp: 28648
Ion Ratio Lower Upper
168 100
139 40.3 32.0 48.0
169 14.8 10.6 16.0





#58
Fluorene
Concen: 3.040 ng
RT: 10.439 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

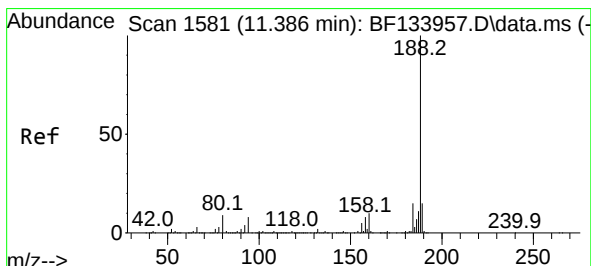
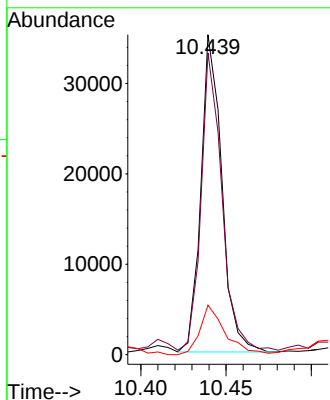
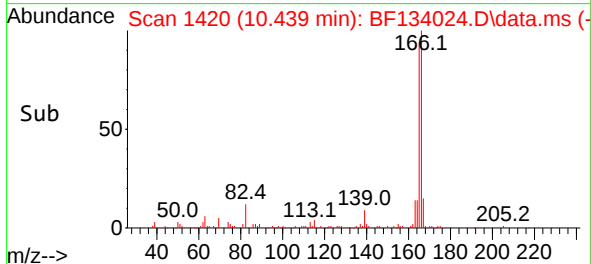
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion:166 Resp: 29925
Ion Ratio Lower Upper
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165 94.3 75.0 112.4
167 15.4 10.6 15.8

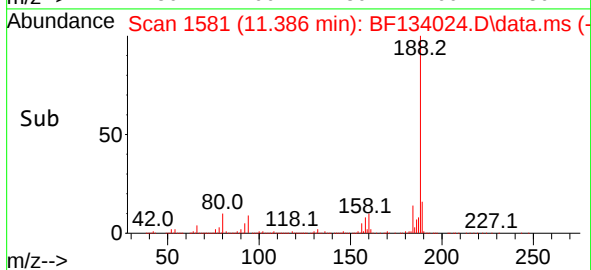
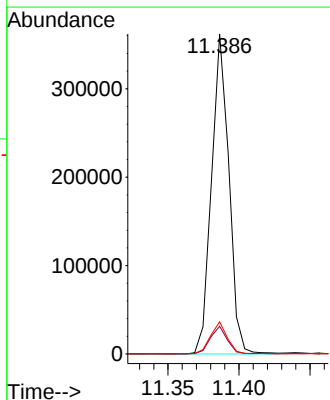
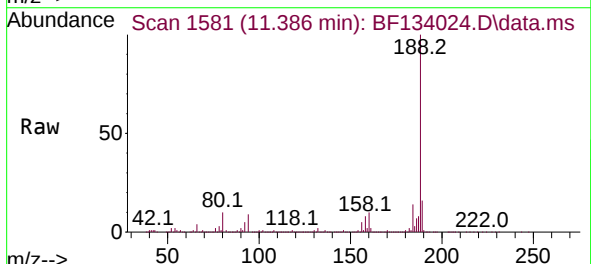
Manual Integrations
APPROVED

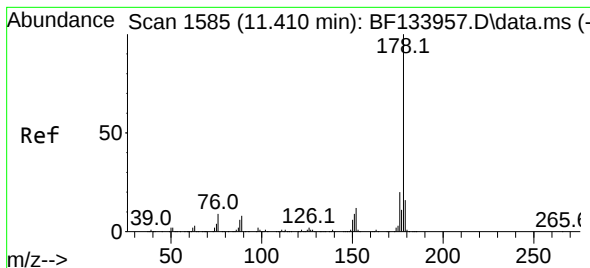
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

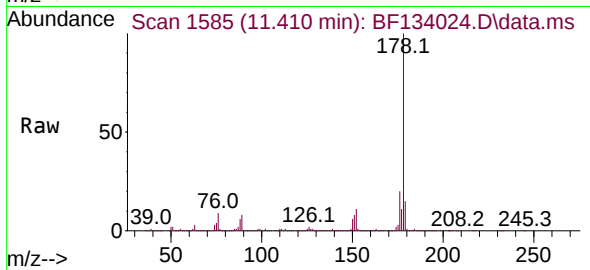
Tgt Ion:188 Resp: 306930
Ion Ratio Lower Upper
188 100
94 8.6 6.4 9.6
80 10.0 7.3 10.9





#71
Phenanthrene
Concen: 24.842 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

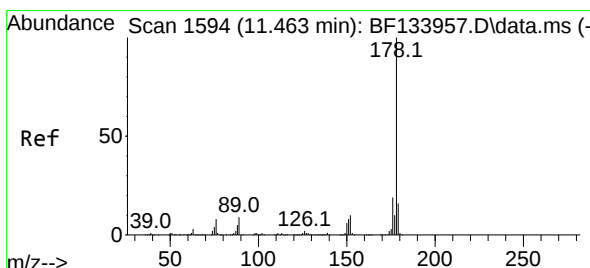
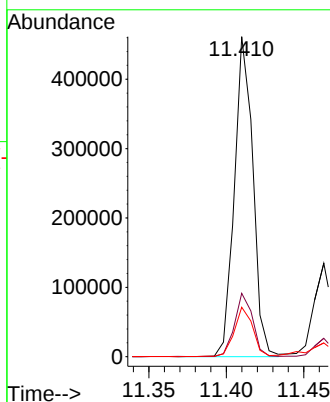
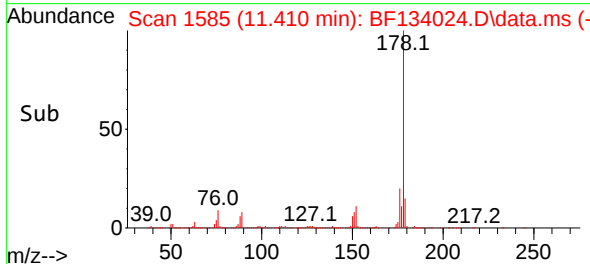
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



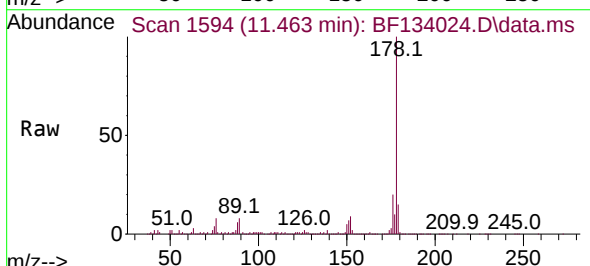
Tgt Ion:178 Resp: 383840
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.5 12.4 18.6

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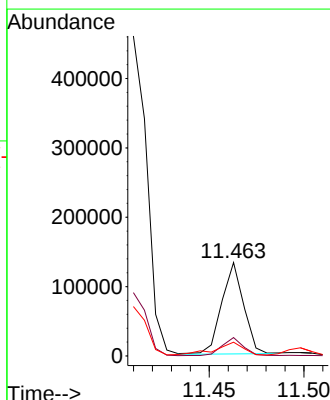
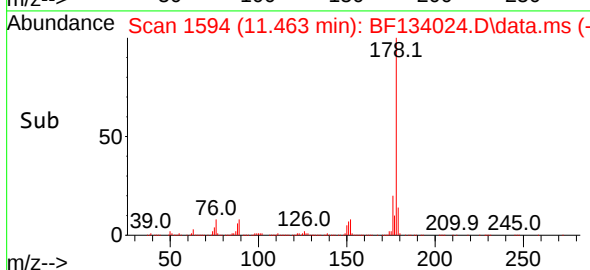
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

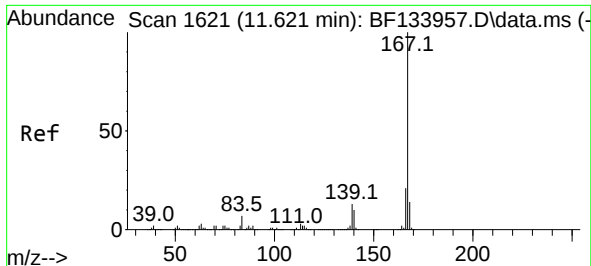


#72
Anthracene
Concen: 6.624 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41



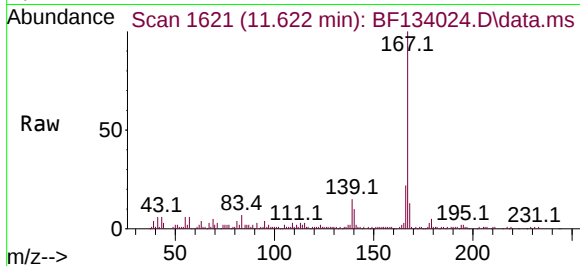
Tgt Ion:178 Resp: 106453
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 14.7 12.4 18.6





#73
 Carbazole
 Concen: 3.038 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF134024.D
 Acq: 28 Jun 2023 10:41

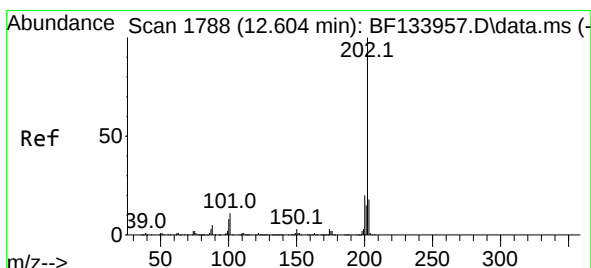
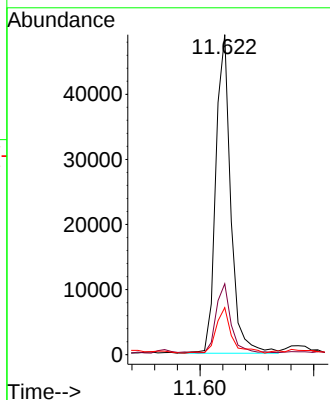
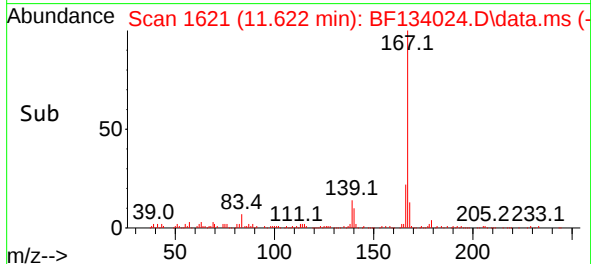
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-28-29



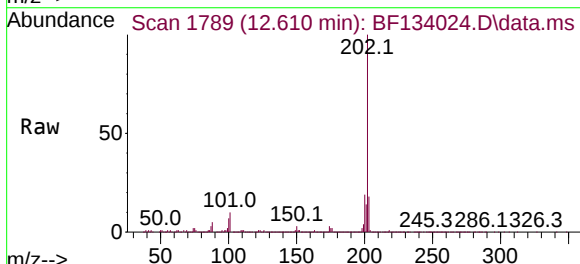
Tgt Ion:167 Resp: 44682
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.6
 139 14.7 10.4 15.6

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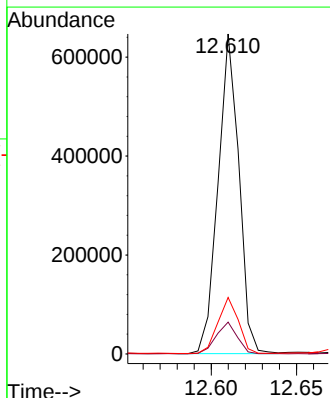
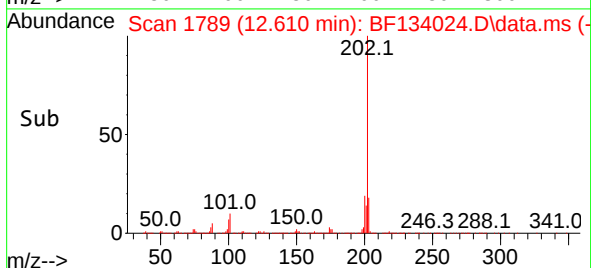
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

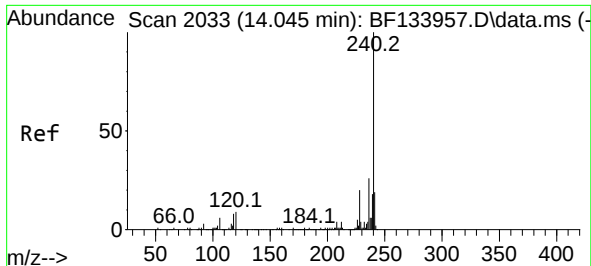


#75
 Fluoranthene
 Concen: 32.915 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134024.D
 Acq: 28 Jun 2023 10:41



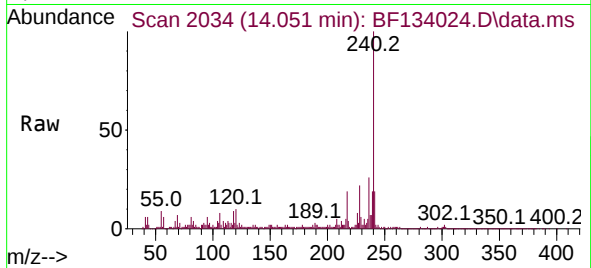
Tgt Ion:202 Resp: 549823
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 31.0
 203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

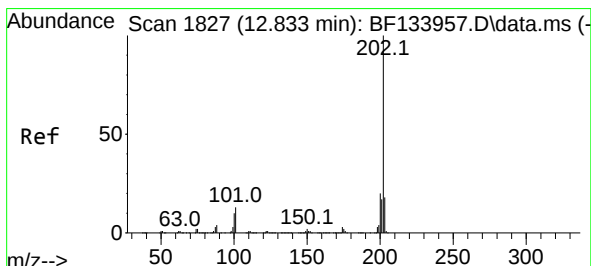
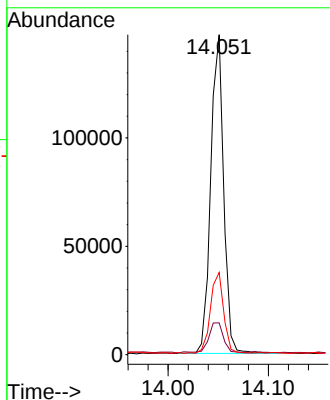
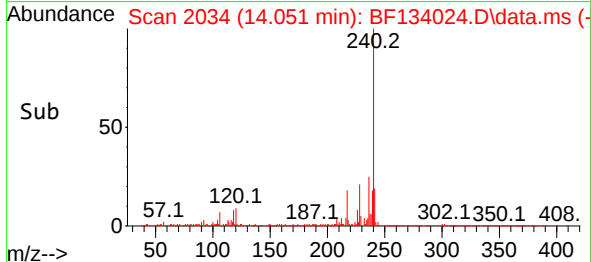
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion:240 Resp: 13201
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 25.7 21.0 31.6

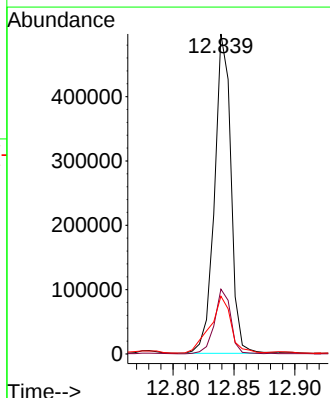
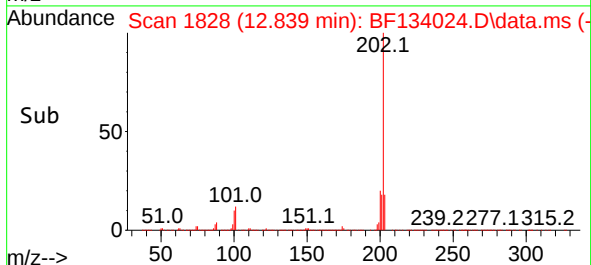
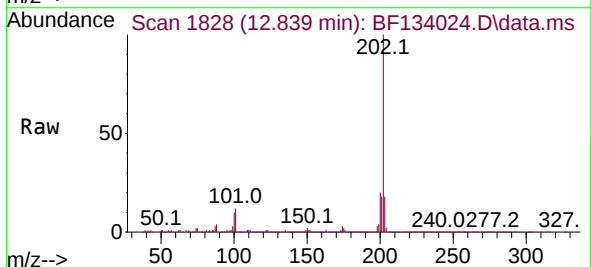
Manual Integrations
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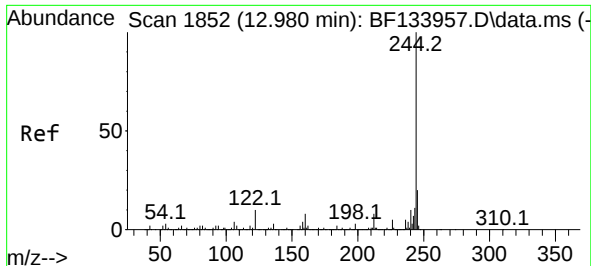
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#78
Pyrene
Concen: 37.972 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.006 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

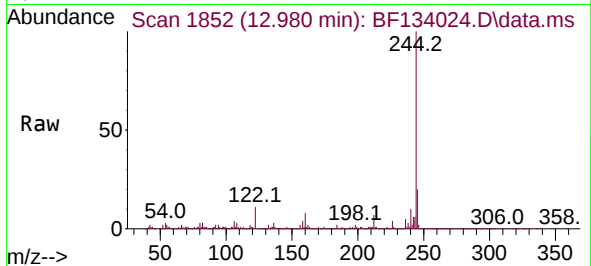
Tgt Ion:202 Resp: 466502
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 18.1 14.3 21.5





#79
Terphenyl-d14
Concen: 45.165 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

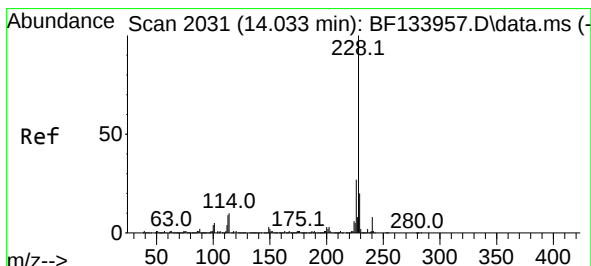
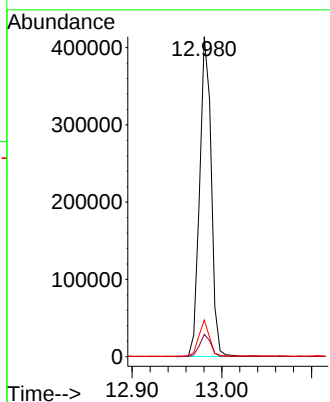
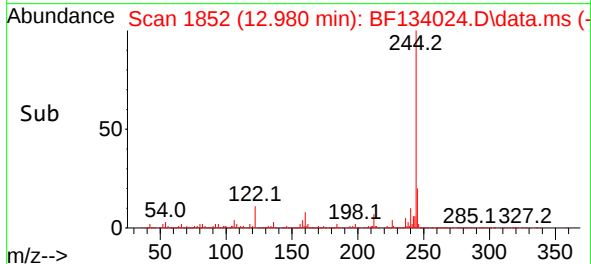
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion:244 Resp: 37046
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 11.4 8.3 12.5

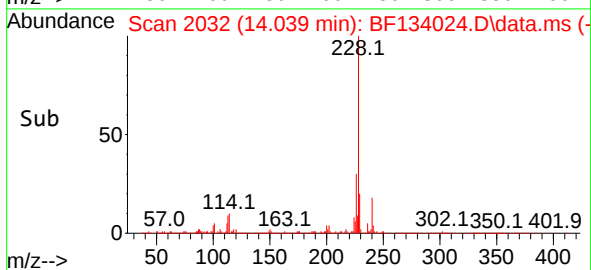
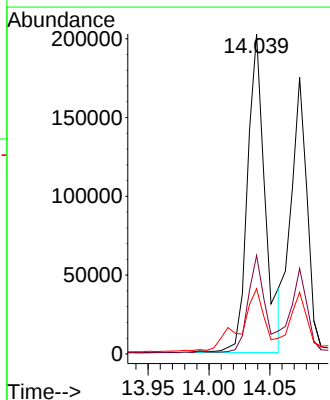
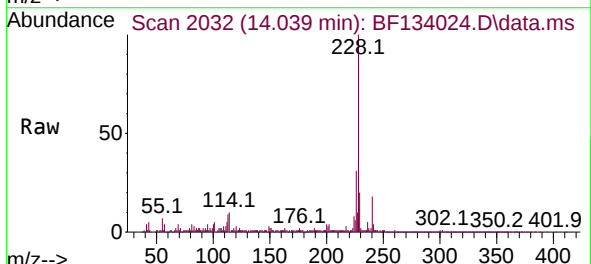
Manual Integrations
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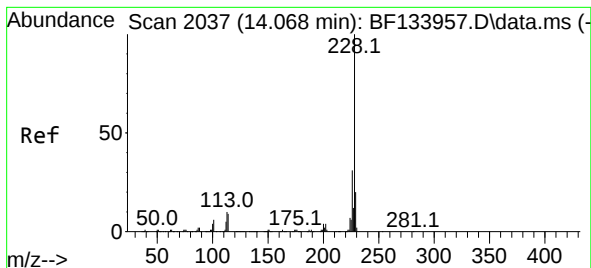
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#81
Benzo(a)anthracene
Concen: 22.263 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

Tgt Ion:228 Resp: 203827
Ion Ratio Lower Upper
228 100
226 30.8 22.0 33.0
229 20.4 16.3 24.5





#83

Chrysene

Concen: 18.369 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.006 min

Lab File: BF134024.D

Acq: 28 Jun 2023 10:41

Instrument :

BNA_F

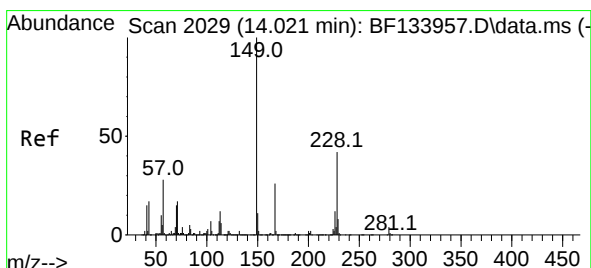
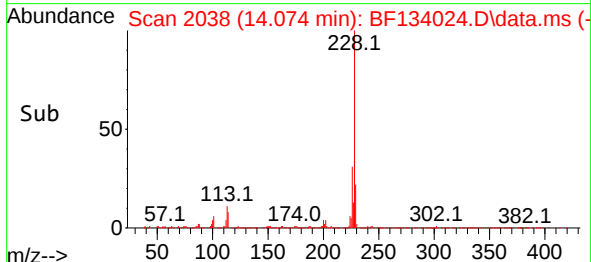
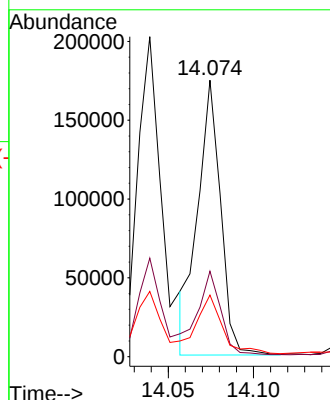
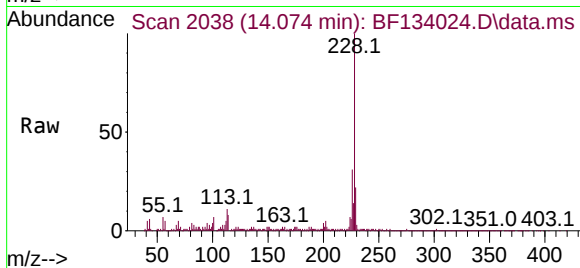
ClientSampleId :

COMPOSIT-SB-28-29

Tgt Ion:228 Resp: 162888
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.4 36.6
 229 22.3 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: 5.002 ng

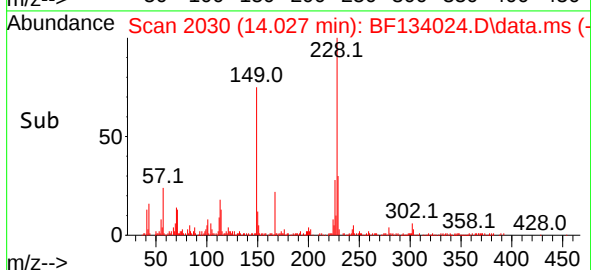
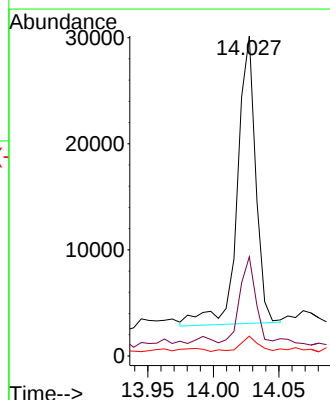
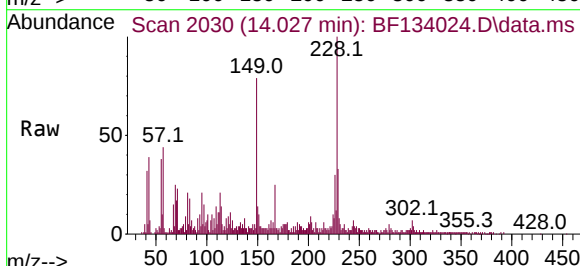
RT: 14.027 min Scan# 2030

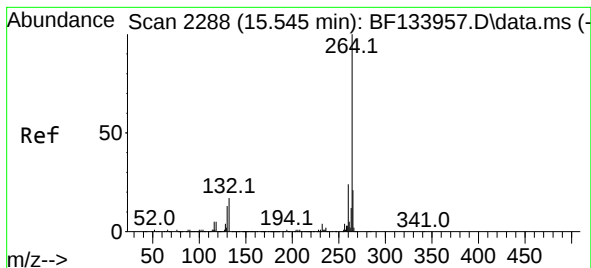
Delta R.T. 0.006 min

Lab File: BF134024.D

Acq: 28 Jun 2023 10:41

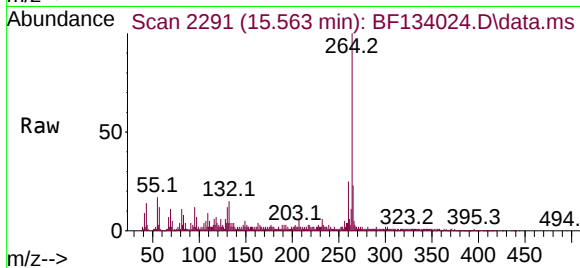
Tgt Ion:149 Resp: 26483
 Ion Ratio Lower Upper
 149 100
 167 31.0 21.0 31.4
 279 6.2 3.3 4.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

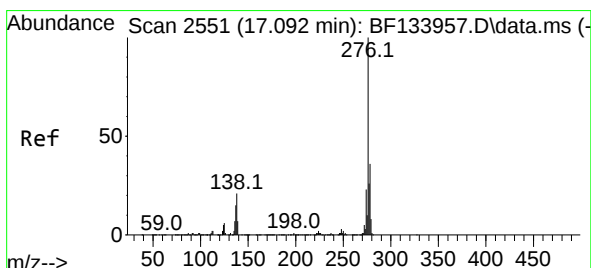
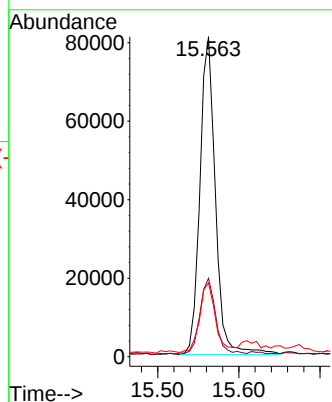
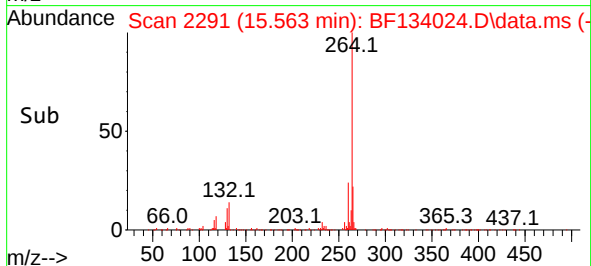
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion:264 Resp: 10757
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 23.0 16.6 25.0

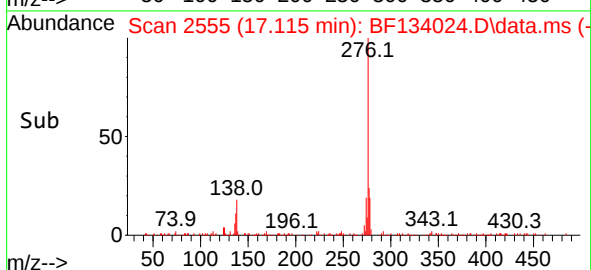
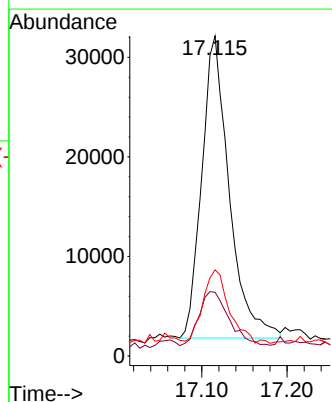
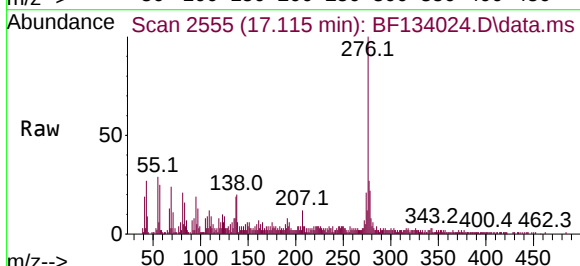
Manual Integrations
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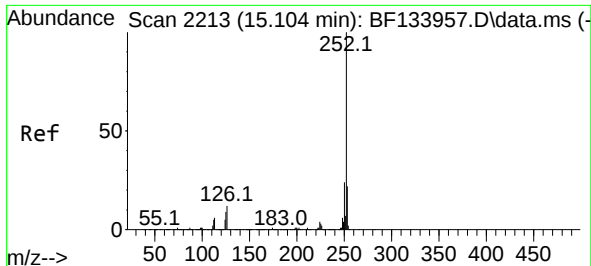
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.092 ng
RT: 17.115 min Scan# 2555
Delta R.T. 0.024 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

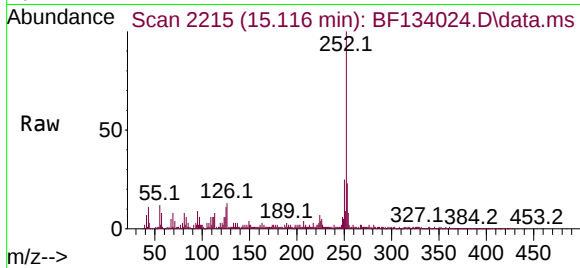
Tgt Ion:276 Resp: 67866
Ion Ratio Lower Upper
276 100
138 19.7 18.7 28.1
277 23.6 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 33.321 ng m
RT: 15.116 min Scan# 2116
Delta R.T. 0.012 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

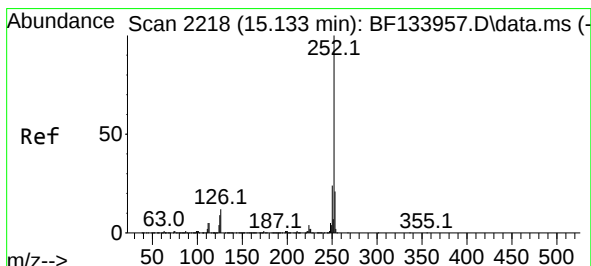
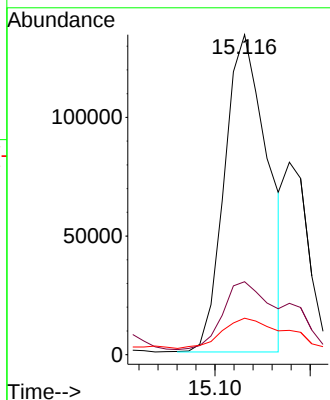
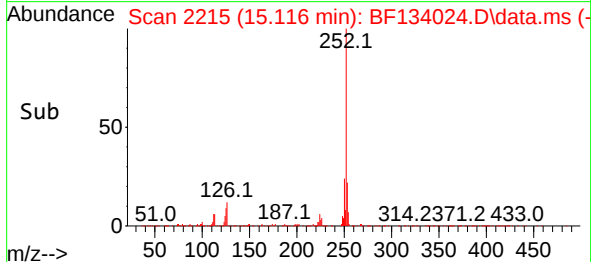
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion:252 Resp: 210774
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 11.4 7.1 10.7

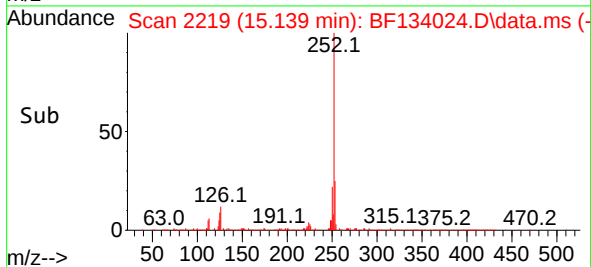
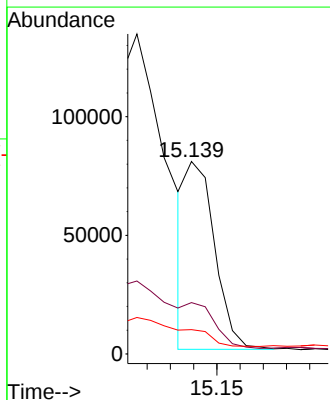
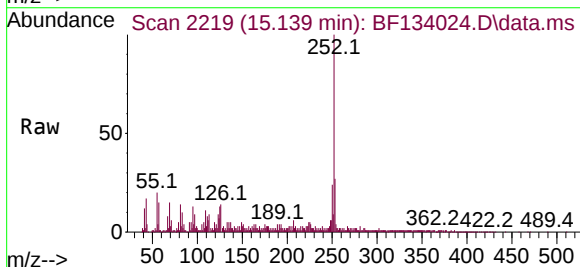
Manual Integrations
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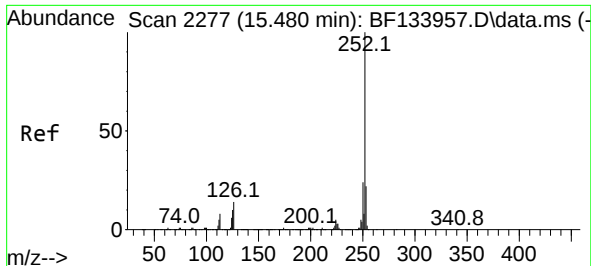
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#89
Benzo(k)fluoranthene
Concen: 10.602 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.006 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

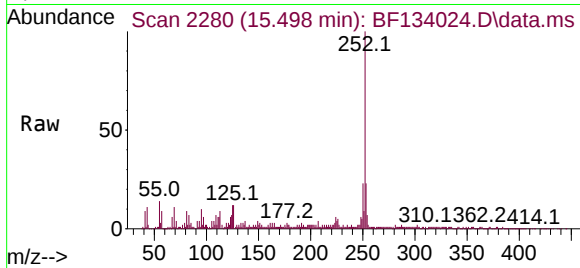
Tgt Ion:252 Resp: 68281
Ion Ratio Lower Upper
252 100
253 26.7 16.9 25.3#
125 12.6 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 20.849 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

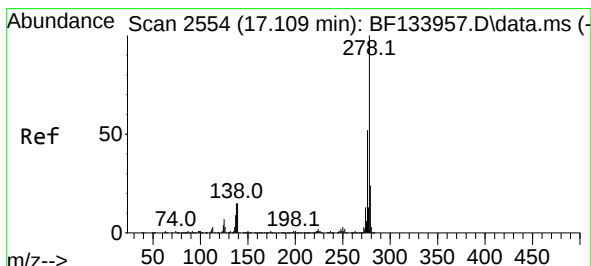
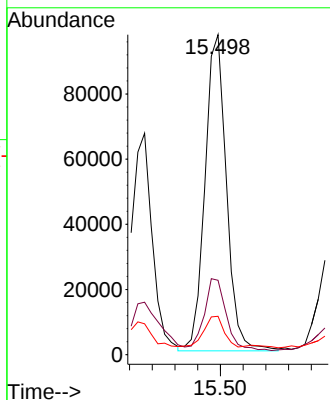
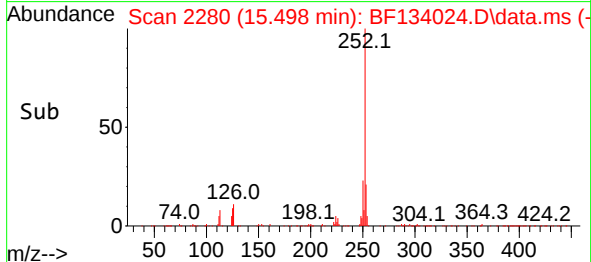
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion:252 Resp: 127528
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 12.0 8.4 12.6

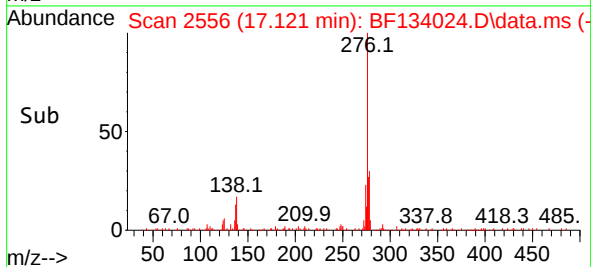
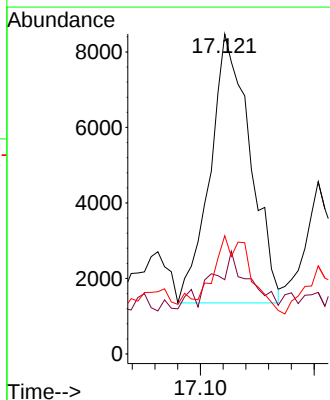
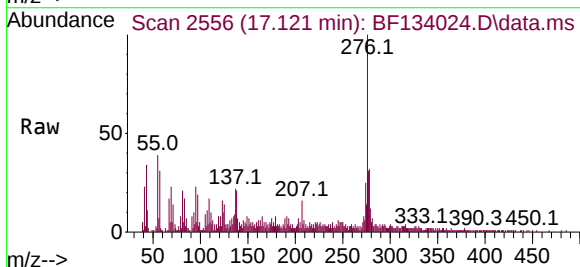
Manual Integrations
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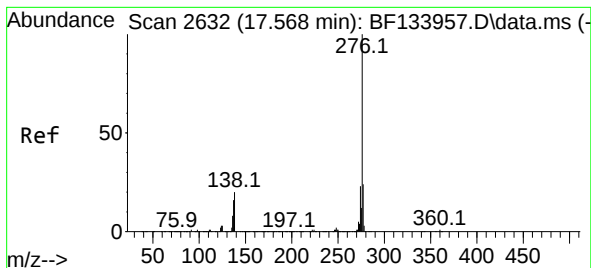
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.864 ng
RT: 17.121 min Scan# 2556
Delta R.T. 0.012 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

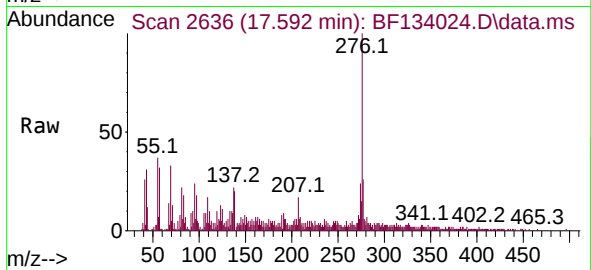
Tgt Ion:278 Resp: 17462
Ion Ratio Lower Upper
278 100
139 23.2 12.2 18.4#
279 36.9 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 10.020 ng
RT: 17.592 min Scan# 20
Delta R.T. 0.024 min
Lab File: BF134024.D
Acq: 28 Jun 2023 10:41

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-28-29



Tgt Ion: 276 Resp: 6300
Ion Ratio Lower Upper
276 100
277 25.7 19.0 28.6
138 19.8 16.2 24.2

Manual Integrations
APPROVED

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

