

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134026.D
 Acq On : 28 Jun 2023 11:46
 Operator : CG\JU
 Sample : 03361-19 2X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-7-22

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 13:18:14 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	6.857	152	88640	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	283661	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	119201	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	235115	20.000	ng	0.00
76) Chrysene-d12	14.051	240	116893	20.000	ng	0.00
86) Perylene-d12	15.568	264	102526	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.486	112	334733	63.169	ng	0.00
7) Phenol-d6	6.486	99	364459	55.927	ng	0.00
23) Nitrobenzene-d5	7.410	82	215880	41.025	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	85172	56.989	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	385731	47.048	ng	0.00
79) Terphenyl-d14	12.986	244	405307	55.804	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.157	128	29566	2.158	ng	98
37) 2-Methylnaphthalene	8.845	142	21036	2.171	ng	99
49) Acenaphthylene	9.751	152	32218	2.696	ng	98
52) Acenaphthene	9.921	154	14438	2.082	ng	96
58) Fluorene	10.445	166	20350	2.414	ng	100
71) Phenanthrene	11.415	178	277698	23.462	ng	99
72) Anthracene	11.463	178	67177	5.457	ng	96
73) Carbazole	11.621	167	30079	2.669	ng	97
75) Fluoranthene	12.615	202	459475	35.908	ng	98
78) Pyrene	12.845	202	382666	35.176	ng	100
80) Butylbenzylphthalate	13.462	149	10623	2.604	ng	92
81) Benzo(a)anthracene	14.039	228	157627	19.444	ng	96
83) Chrysene	14.080	228	136481	17.382	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	86434	18.437	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	61638	8.664	ng	# 90
88) Benzo(b)fluoranthene	15.121	252	151248m	25.088	ng	
89) Benzo(k)fluoranthene	15.145	252	59912m	9.761	ng	
90) Benzo(a)pyrene	15.498	252	110136	18.893	ng	# 93
91) Dibenzo(a,h)anthracene	17.127	278	14516	2.498	ng	# 71
92) Benzo(g,h,i)perylene	17.592	276	54603	9.112	ng	# 91

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

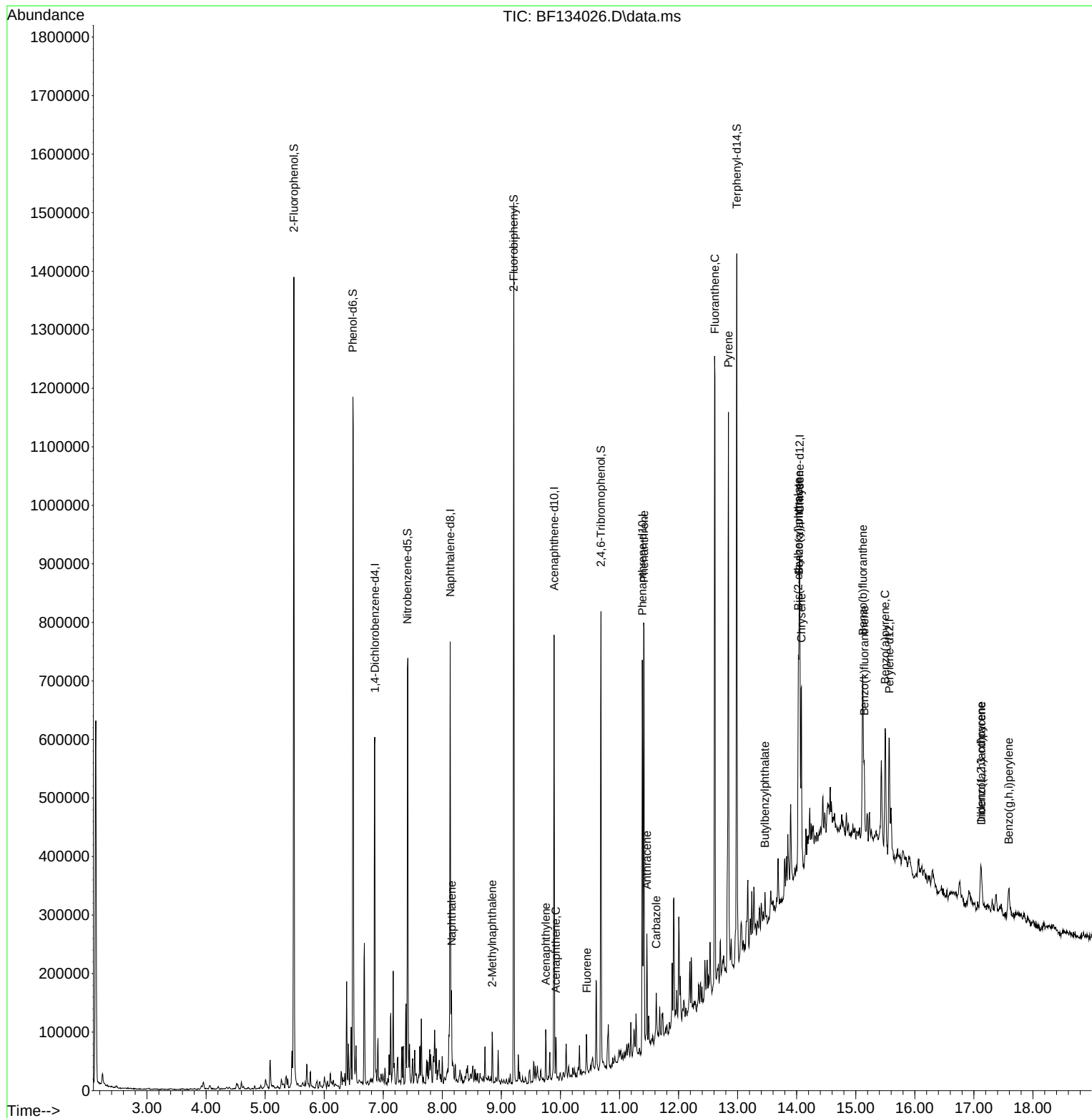
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134026.D
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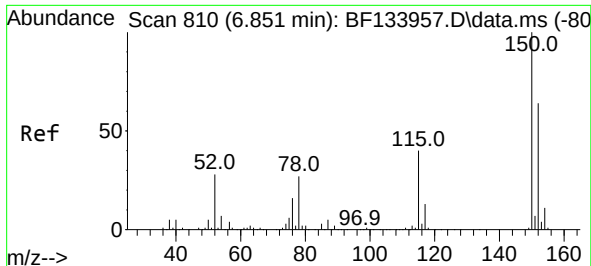
Instrument :
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Quant Time: Jun 28 13:18:14 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
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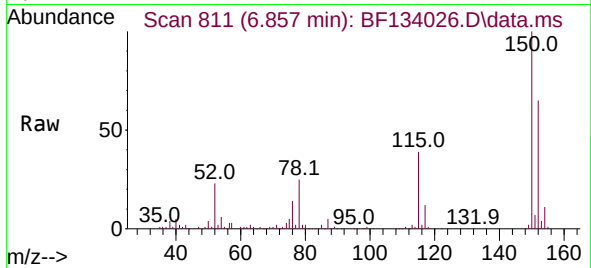
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 810
Delta R.T. 0.006 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

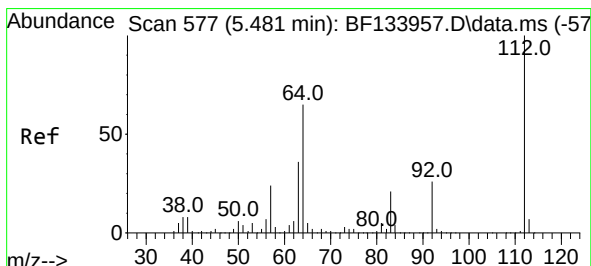
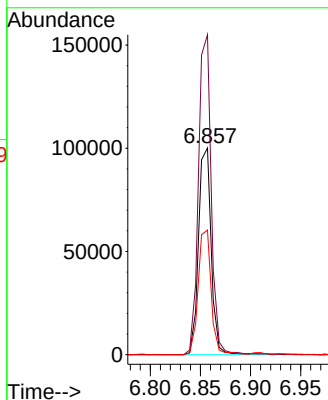
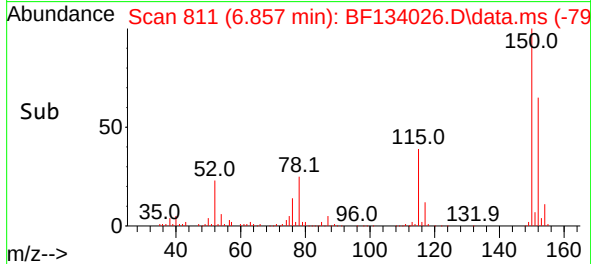
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22



Tgt Ion:152 Resp: 88640
Ion Ratio Lower Upper
152 100
150 154.8 124.5 186.7
115 60.3 50.2 75.2

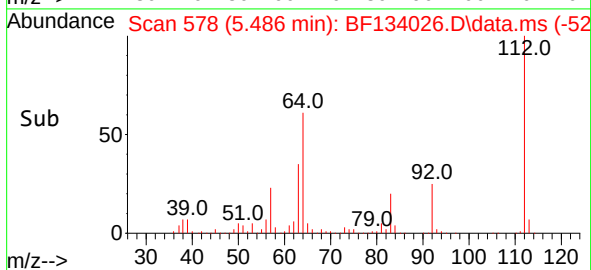
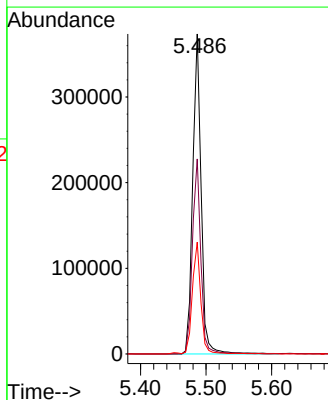
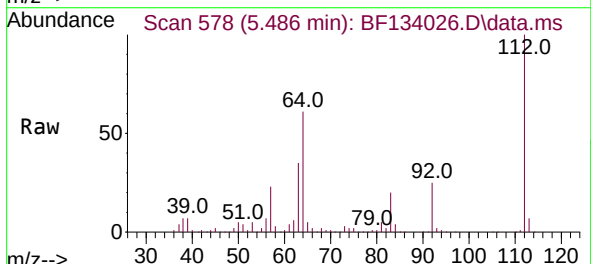
Manual Integrations
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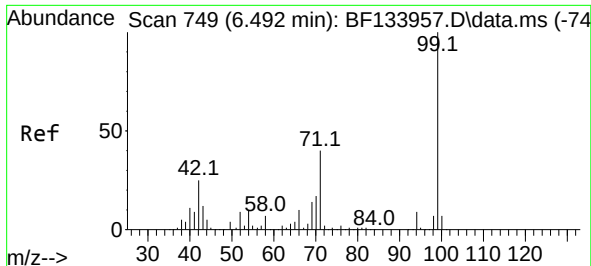
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#5
2-Fluorophenol
Concen: 63.169 ng
RT: 5.486 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

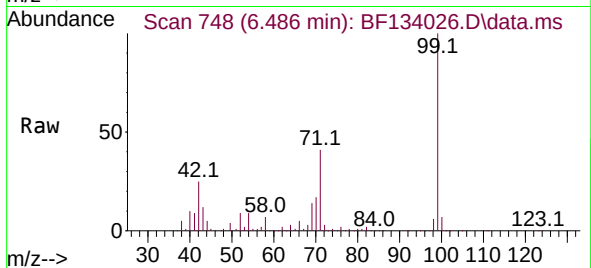
Tgt Ion:112 Resp: 334733
Ion Ratio Lower Upper
112 100
64 61.0 52.1 78.1
63 35.0 28.6 42.8





#7
Phenol-d6
Concen: 55.927 ng
RT: 6.486 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

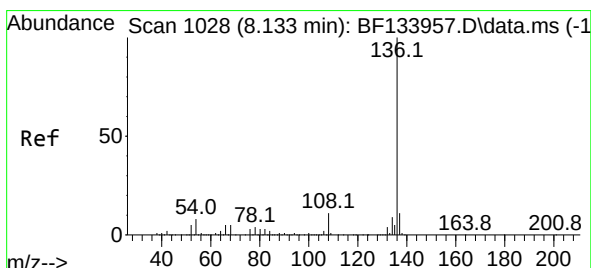
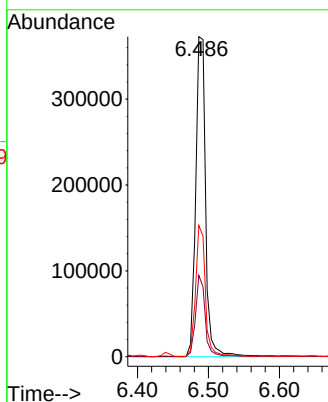
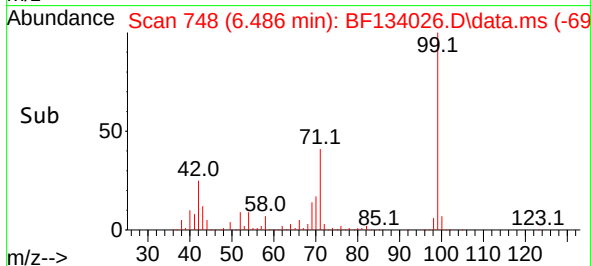
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22



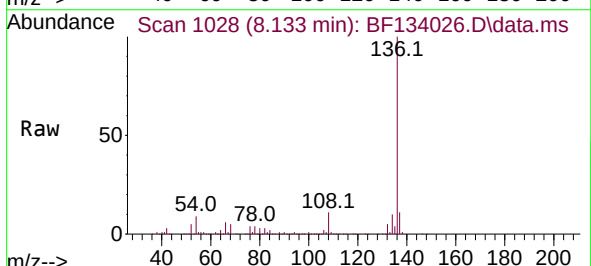
Tgt Ion: 99 Resp: 364459
Ion Ratio Lower Upper
99 100
42 25.4 19.8 29.6
71 41.0 31.9 47.9

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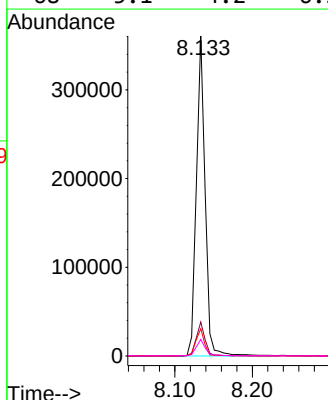
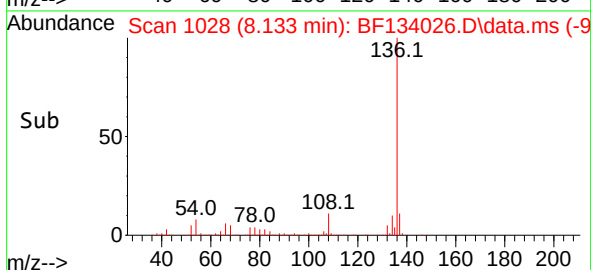
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

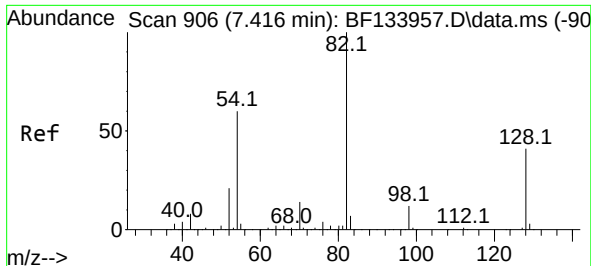


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46



Tgt Ion:136 Resp: 283661
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 8.5 6.5 9.7
68 5.1 4.2 6.2





#23

Nitrobenzene-d5

Concen: 41.025 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134026.D

Acq: 28 Jun 2023 11:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-7-22

Tgt Ion: 82 Resp: 215880

Ion Ratio Lower Upper

82 100

128 38.5 32.5 48.7

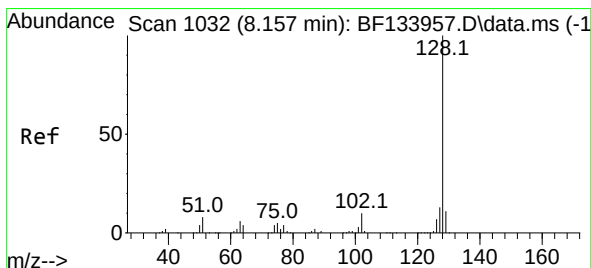
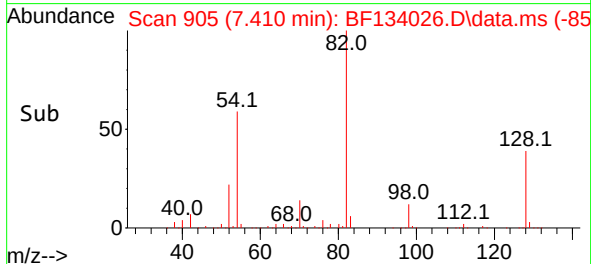
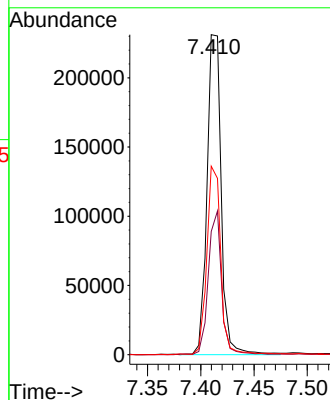
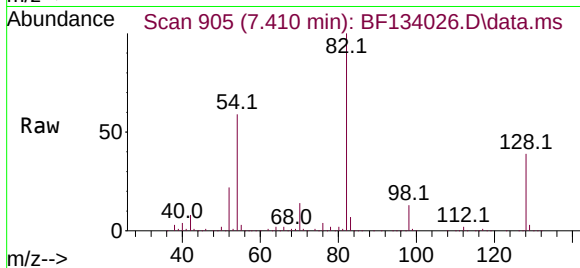
54 58.9 48.2 72.2

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#31

Naphthalene

Concen: 2.158 ng

RT: 8.157 min Scan# 1032

Delta R.T. -0.000 min

Lab File: BF134026.D

Acq: 28 Jun 2023 11:46

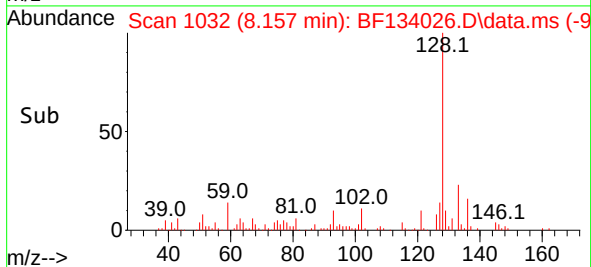
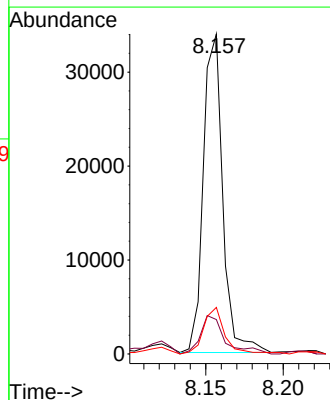
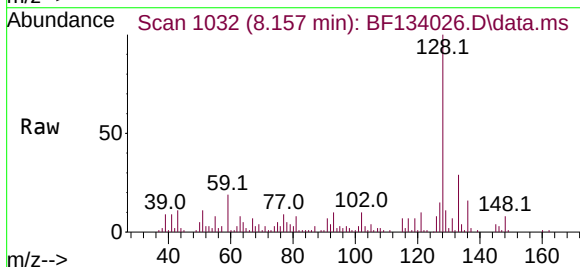
Tgt Ion:128 Resp: 29566

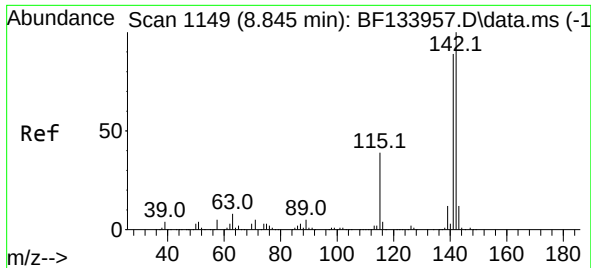
Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 14.6 10.6 15.8





#37

2-Methylnaphthalene

Concen: 2.171 ng

RT: 8.845 min Scan# 1149

Delta R.T. 0.000 min

Lab File: BF134026.D

Acq: 28 Jun 2023 11:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-7-22

Tgt Ion:142 Resp: 21030

Ion Ratio Lower Upper

142 100

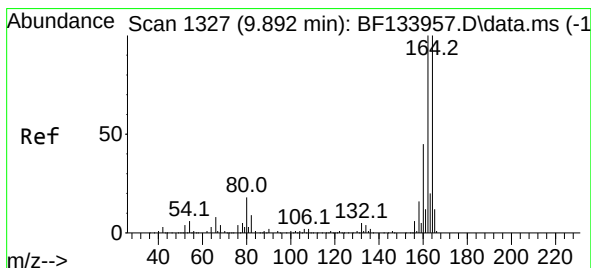
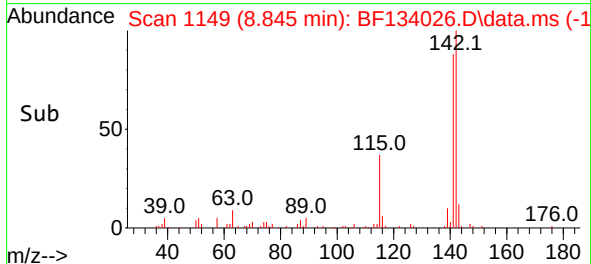
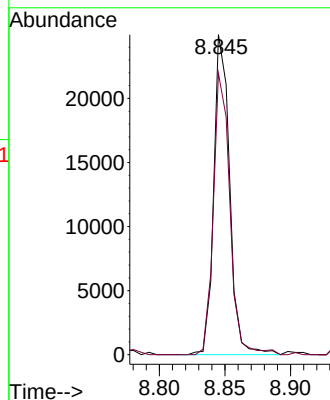
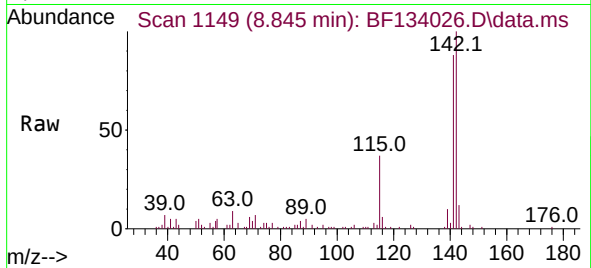
141 88.0 71.0 106.4

Manual Integrations

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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: BF134026.D

Acq: 28 Jun 2023 11:46

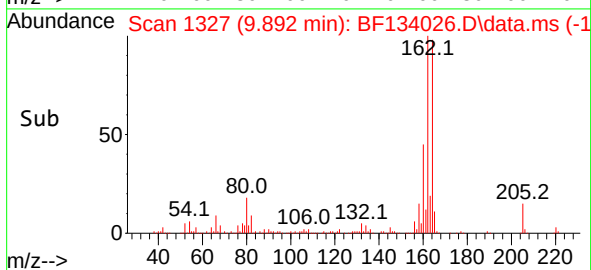
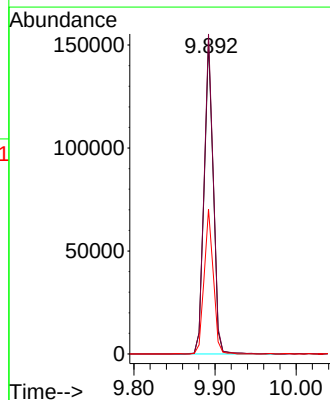
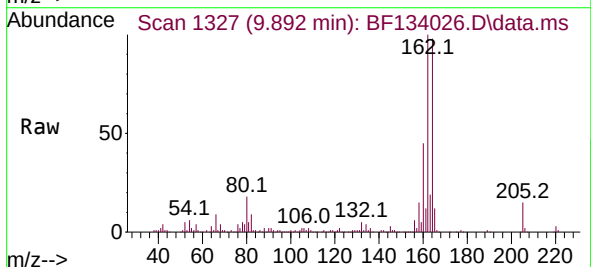
Tgt Ion:164 Resp: 119201

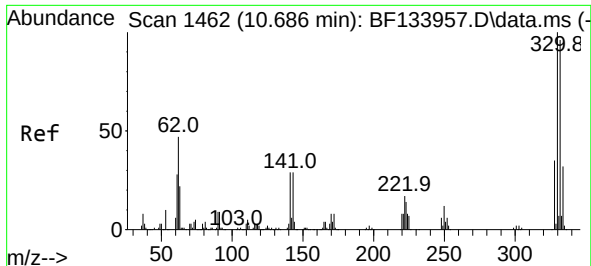
Ion Ratio Lower Upper

164 100

162 102.3 80.0 120.0

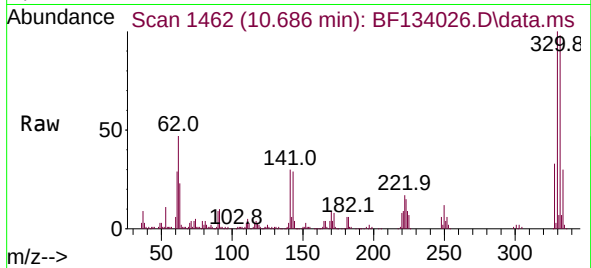
160 46.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 56.989 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

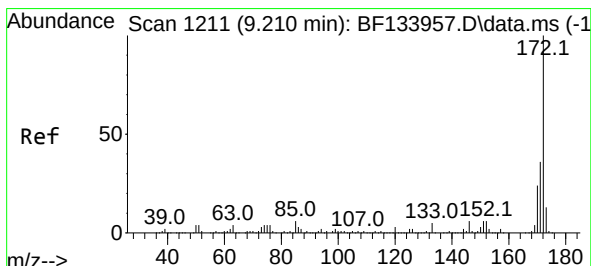
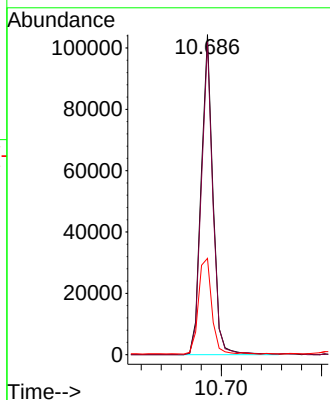
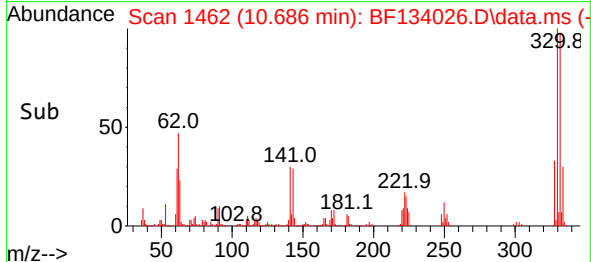
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ClientSampleId :
COMPOSIT-SB-7-22



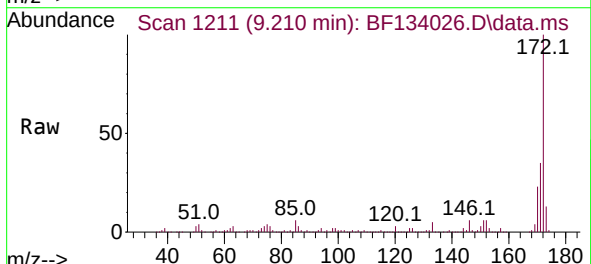
Tgt Ion: 330 Resp: 85172
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 34.1 26.3 39.5

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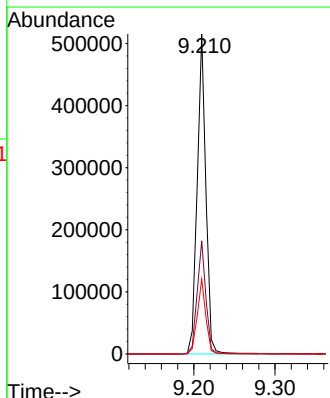
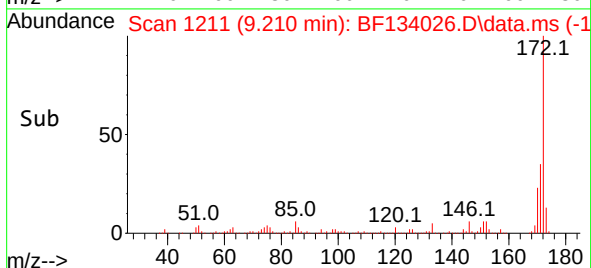
Reviewed By : Yogesh Patel 06/29/2023
Supervised By : mohammad ahmed 06/29/2023

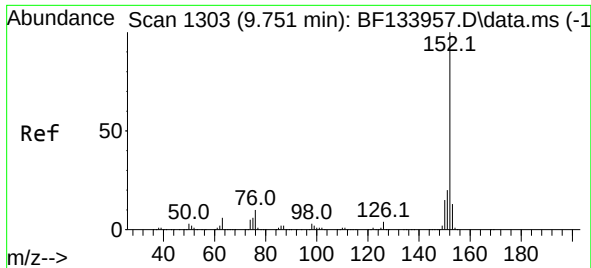


#45
2-Fluorobiphenyl
Concen: 47.048 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46



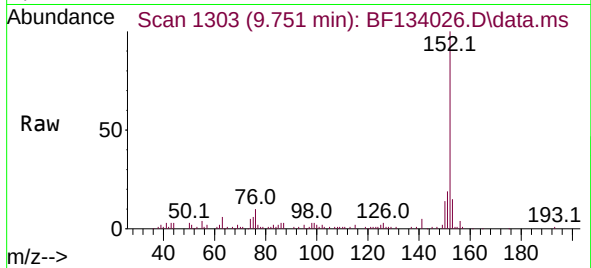
Tgt Ion: 172 Resp: 385731
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.3 19.4 29.0





#49
Acenaphthylene
Concen: 2.696 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

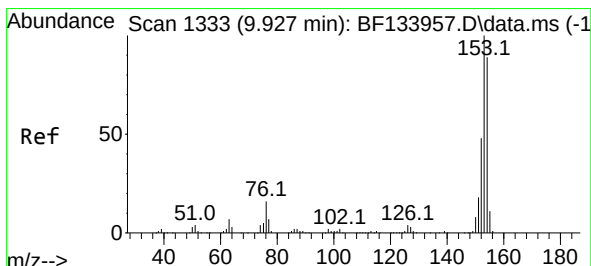
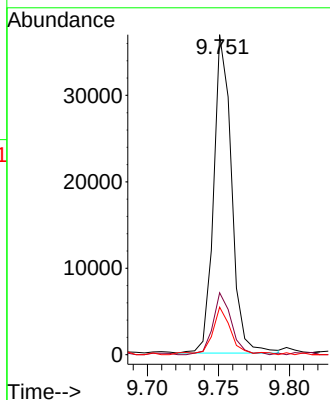
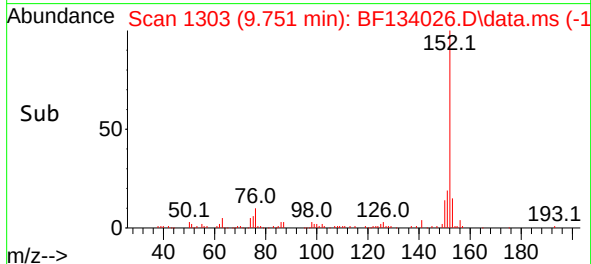
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COMPOSIT-SB-7-22



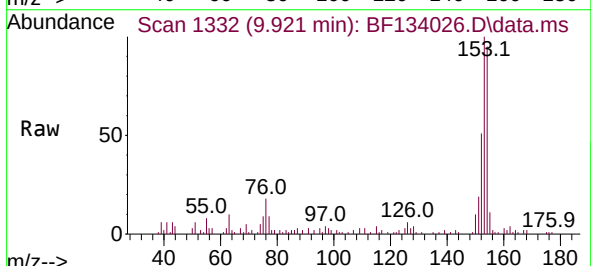
Tgt Ion:152 Resp: 32218
Ion Ratio Lower Upper
152 100
151 19.4 16.2 24.2
153 14.9 10.8 16.2

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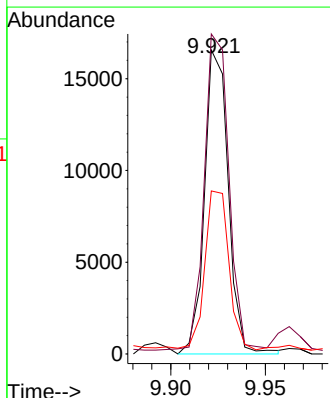
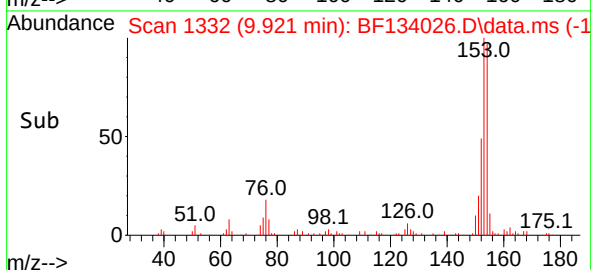
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

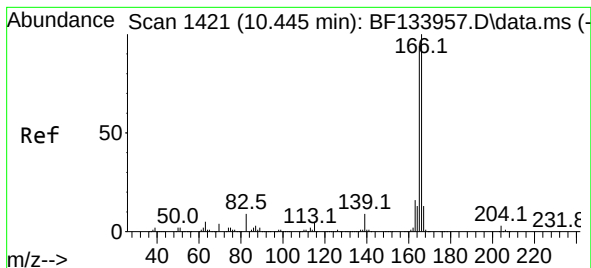


#52
Acenaphthene
Concen: 2.082 ng
RT: 9.921 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46



Tgt Ion:154 Resp: 14438
Ion Ratio Lower Upper
154 100
153 105.3 89.4 134.2
152 53.6 42.8 64.2





#58

Fluorene

Concen: 2.414 ng

RT: 10.445 min Scan# 1421

Delta R.T. -0.000 min

Lab File: BF134026.D

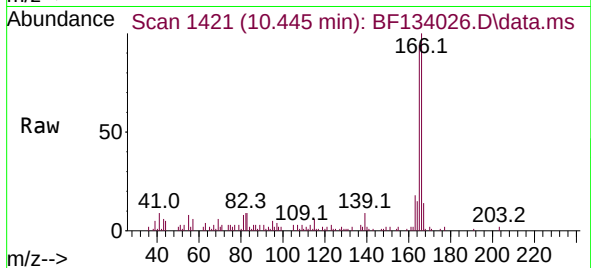
Acq: 28 Jun 2023 11:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-7-22



Tgt Ion:166 Resp: 20350

Ion Ratio Lower Upper

166 100

165 93.6 75.0 112.4

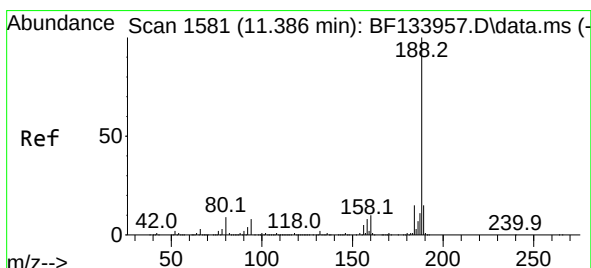
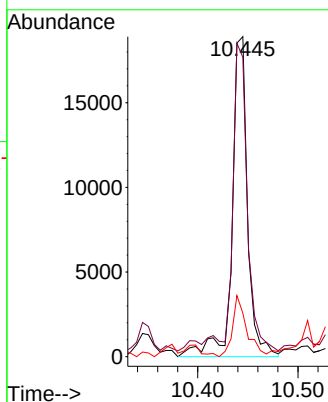
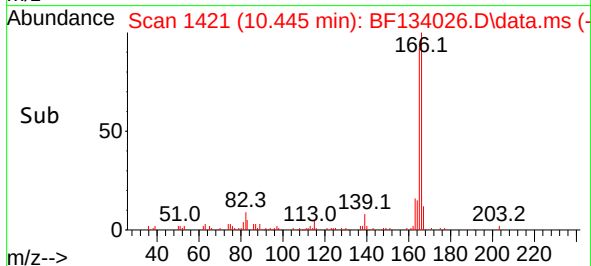
167 13.6 10.6 15.8

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF134026.D

Acq: 28 Jun 2023 11:46

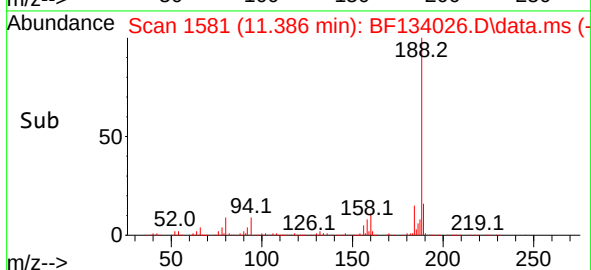
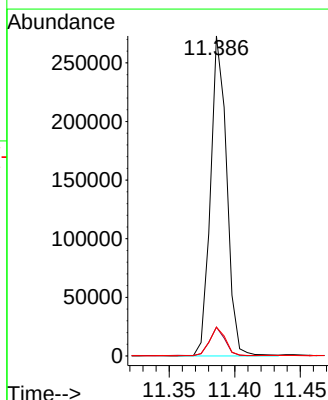
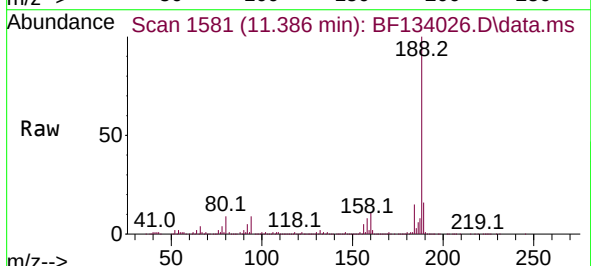
Tgt Ion:188 Resp: 235115

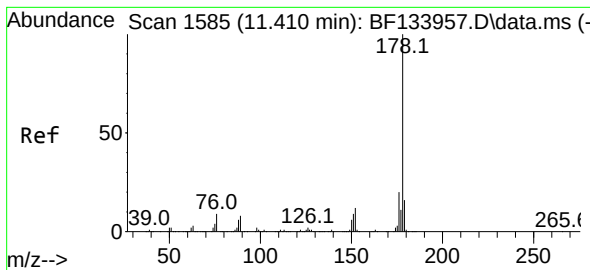
Ion Ratio Lower Upper

188 100

94 9.0 6.4 9.6

80 9.0 7.3 10.9





#71

Phenanthrene

Concen: 23.462 ng

RT: 11.415 min Scan# 1585

Delta R.T. 0.006 min

Lab File: BF134026.D

Acq: 28 Jun 2023 11:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-7-22

Tgt Ion:178 Resp: 277698

Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

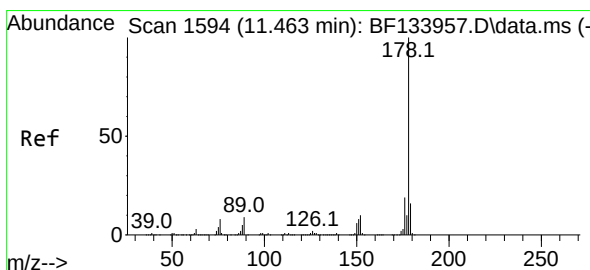
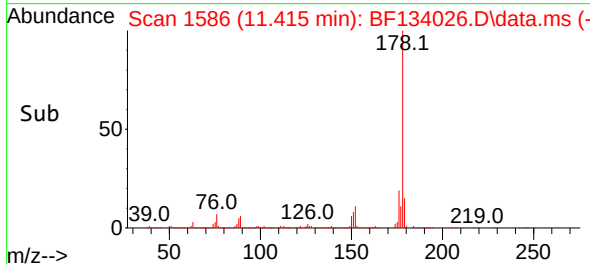
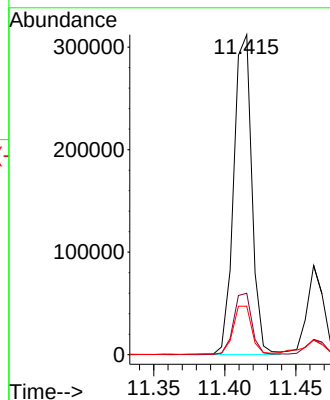
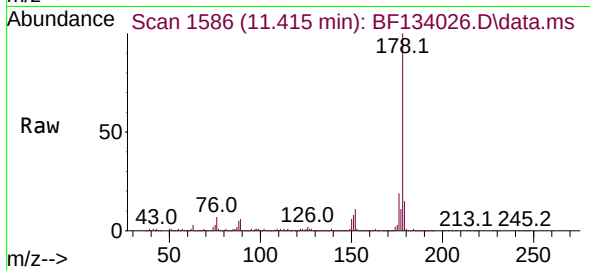
179 15.2 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#72

Anthracene

Concen: 5.457 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.000 min

Lab File: BF134026.D

Acq: 28 Jun 2023 11:46

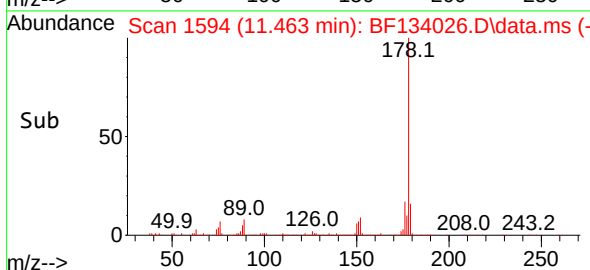
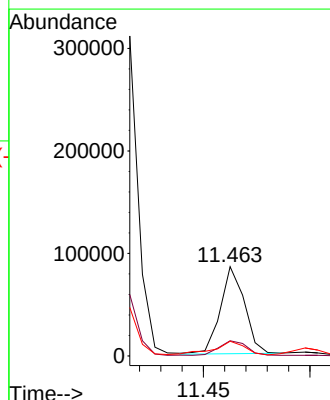
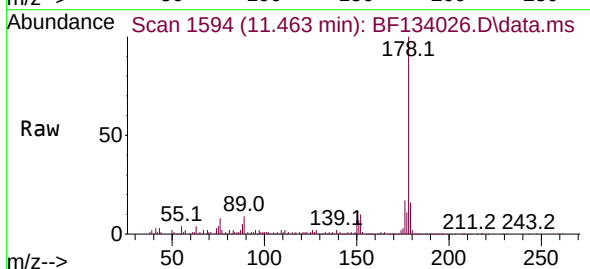
Tgt Ion:178 Resp: 67177

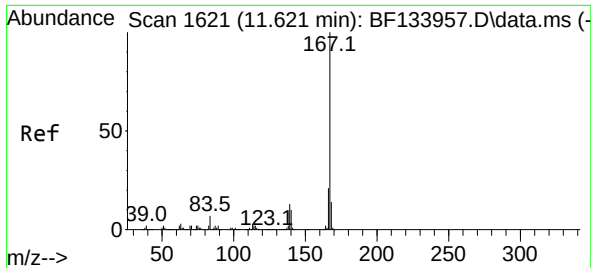
Ion Ratio Lower Upper

178 100

176 17.0 15.3 22.9

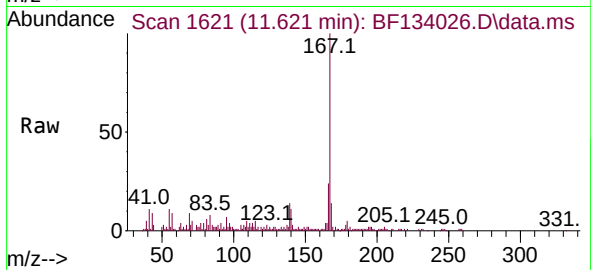
179 16.5 12.4 18.6





#73
 Carbazole
 Concen: 2.669 ng
 RT: 11.621 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF134026.D
 Acq: 28 Jun 2023 11:46

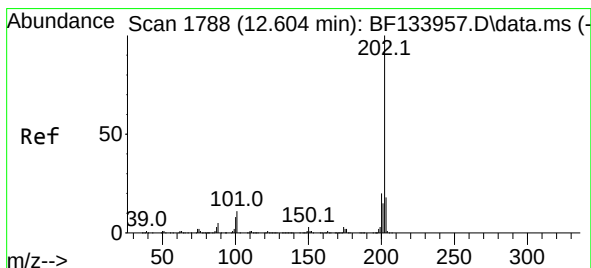
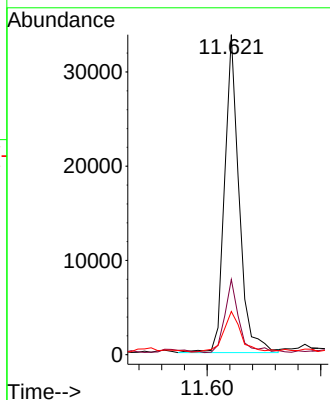
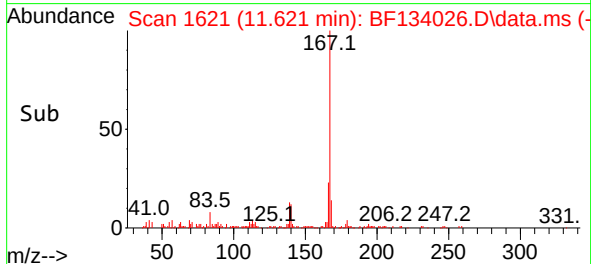
Instrument : BNA_F
 ClientSampleId : COMPOSIT-SB-7-22



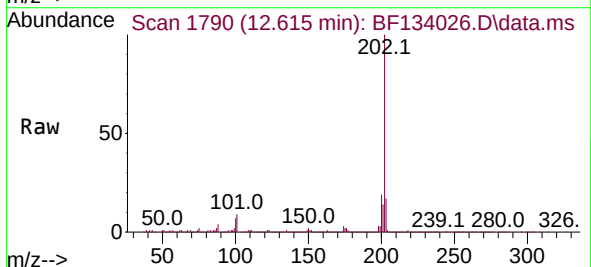
Tgt Ion:167 Resp: 30079
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.0 25.6
 139 13.5 10.4 15.6

Manual Integrations
 APPROVED

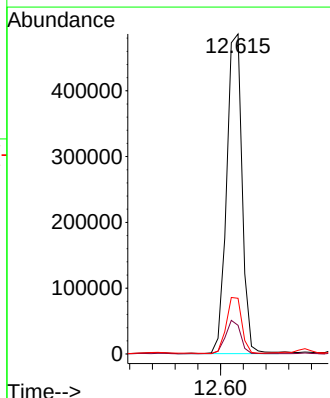
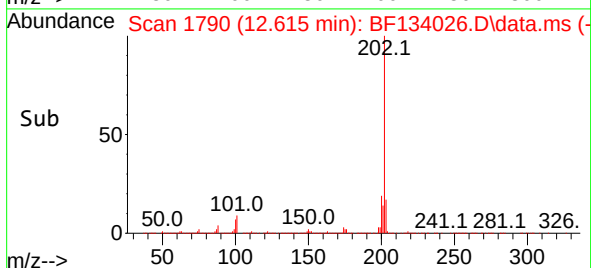
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

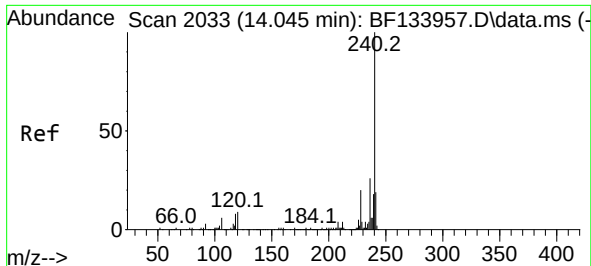


#75
 Fluoranthene
 Concen: 35.908 ng
 RT: 12.615 min Scan# 1790
 Delta R.T. 0.012 min
 Lab File: BF134026.D
 Acq: 28 Jun 2023 11:46



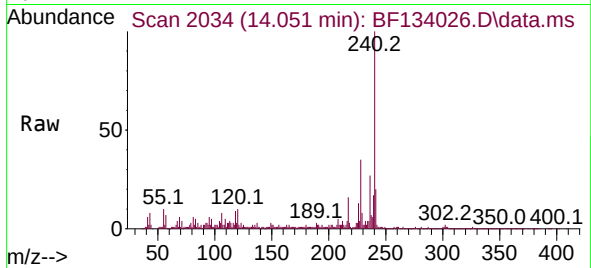
Tgt Ion:202 Resp: 459475
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 31.0
 203 17.4 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

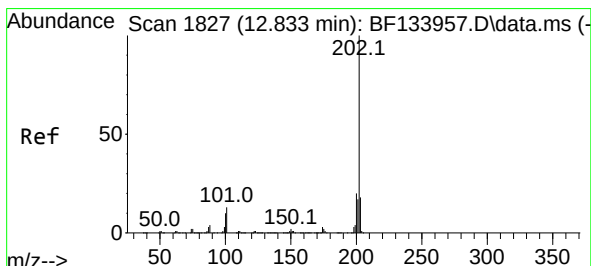
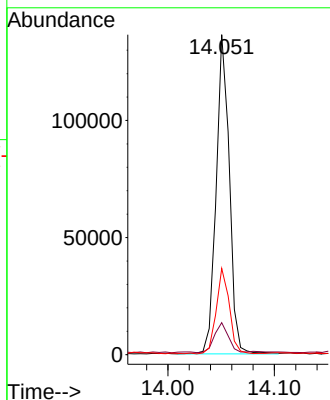
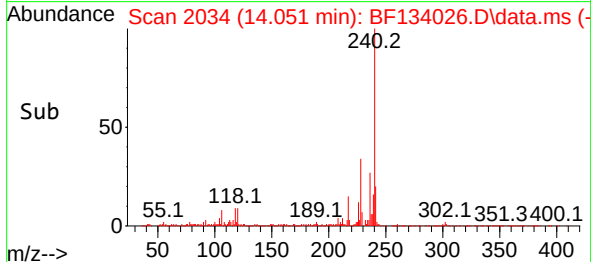
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22



Tgt Ion:240 Resp: 11689
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 27.0 21.0 31.6

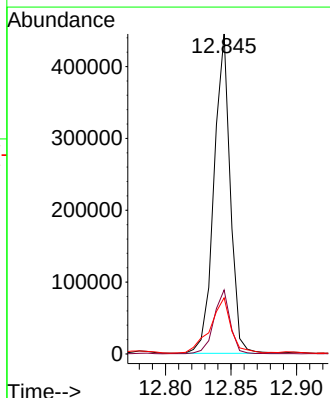
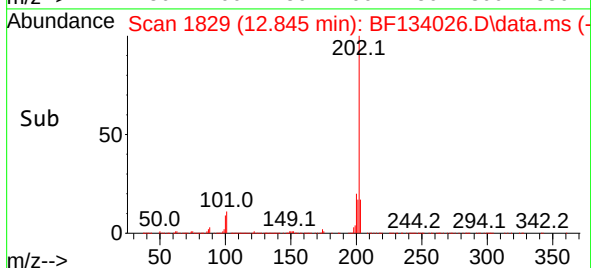
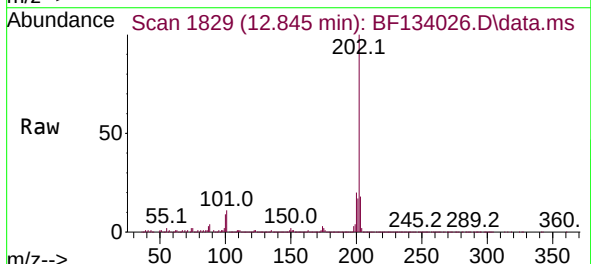
Manual Integrations
APPROVED

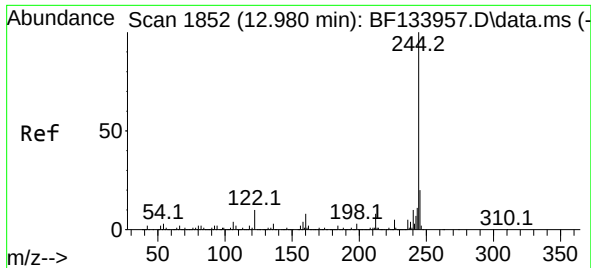
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#78
Pyrene
Concen: 35.176 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.012 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

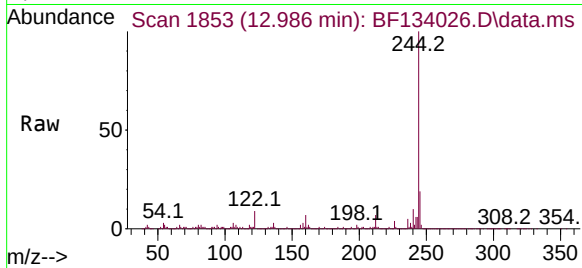
Tgt Ion:202 Resp: 382666
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 17.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 55.804 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: BF134026.D
 Acq: 28 Jun 2023 11:46

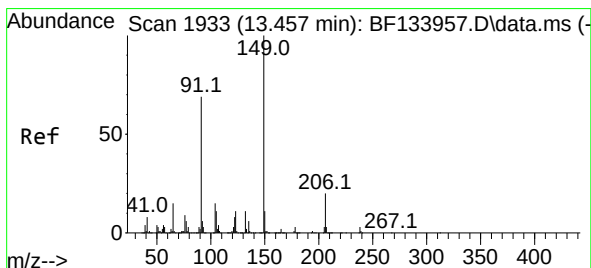
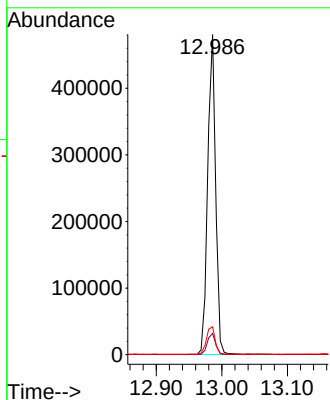
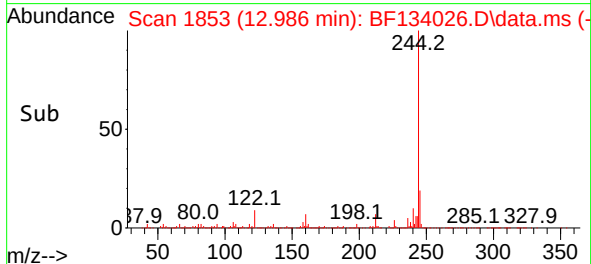
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-7-22



Tgt Ion:244 Resp: 405307
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 8.7 8.3 12.5

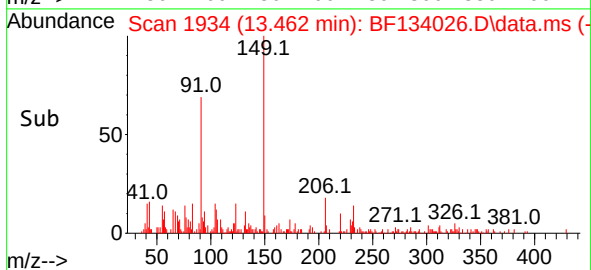
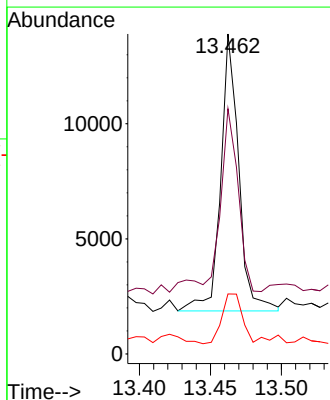
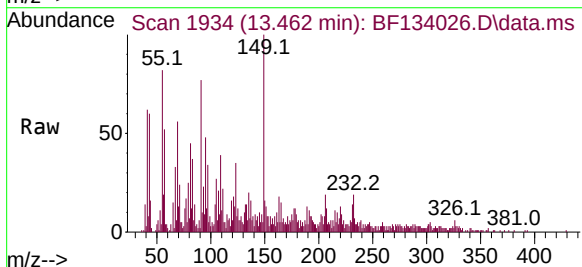
Manual Integrations
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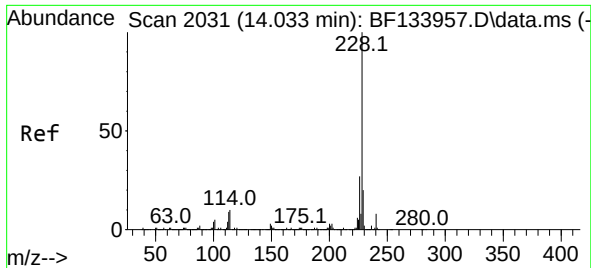
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023



#80
 Butylbenzylphthalate
 Concen: 2.604 ng
 RT: 13.462 min Scan# 1934
 Delta R.T. 0.006 min
 Lab File: BF134026.D
 Acq: 28 Jun 2023 11:46

Tgt Ion:149 Resp: 10623
 Ion Ratio Lower Upper
 149 100
 91 76.7 55.1 82.7
 206 18.8 15.7 23.5





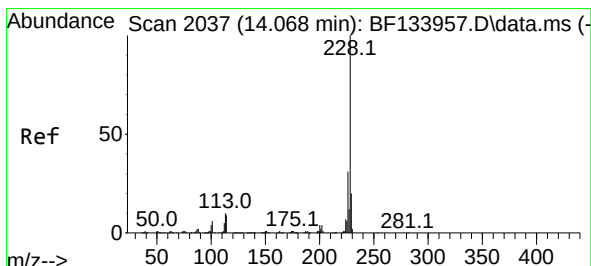
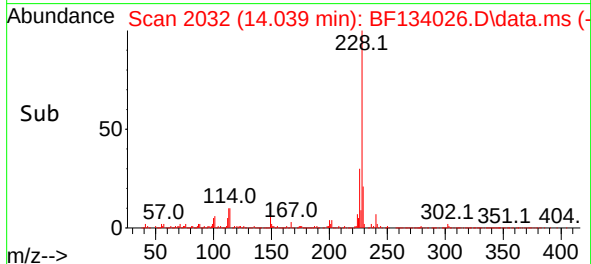
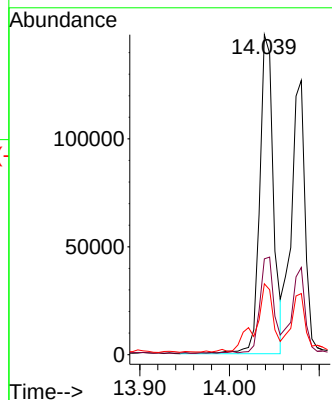
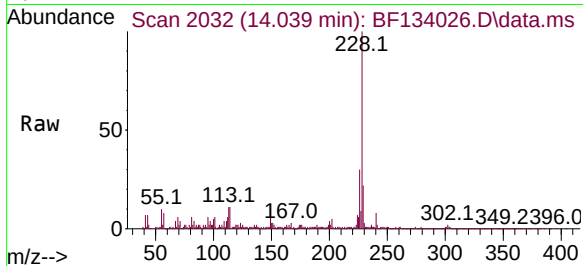
#81
Benzo(a)anthracene
Concen: 19.444 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22

Tgt Ion:228 Resp: 15762
Ion Ratio Lower Upper
228 100
226 30.0 22.0 33.0
229 22.2 16.3 24.5

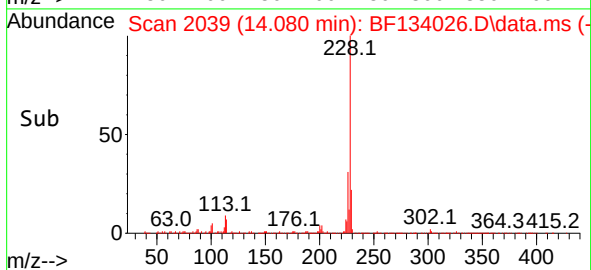
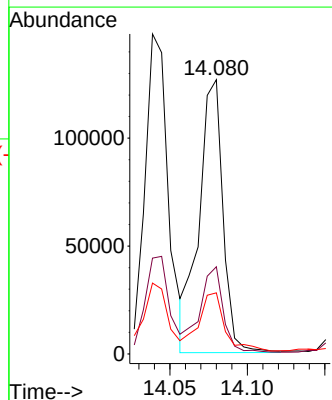
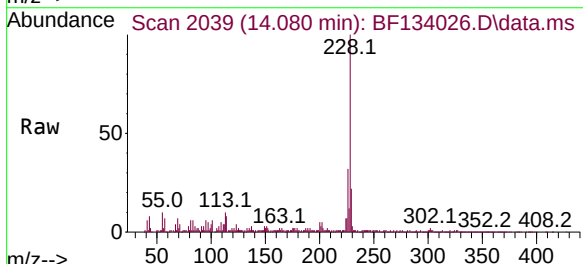
Manual Integrations
APPROVED

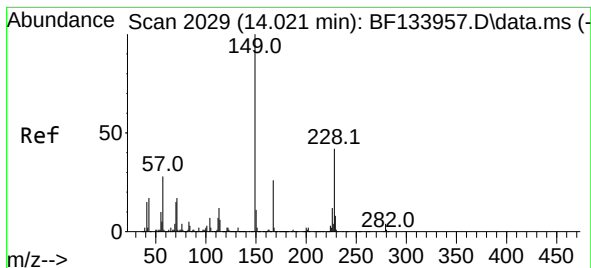
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#83
Chrysene
Concen: 17.382 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.012 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

Tgt Ion:228 Resp: 136481
Ion Ratio Lower Upper
228 100
226 31.8 24.4 36.6
229 22.3 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 18.437 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF134026.D

Acq: 28 Jun 2023 11:46

Instrument :

BNA_F

ClientSampleId :

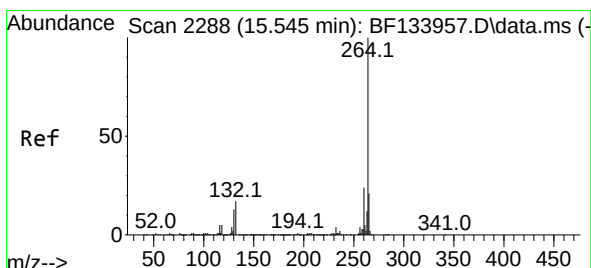
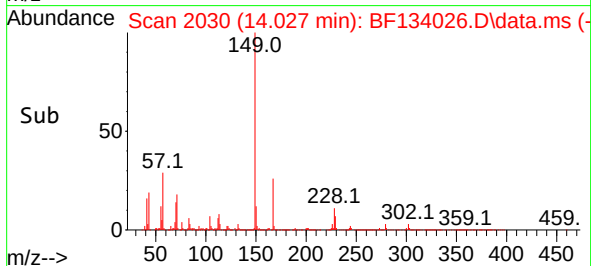
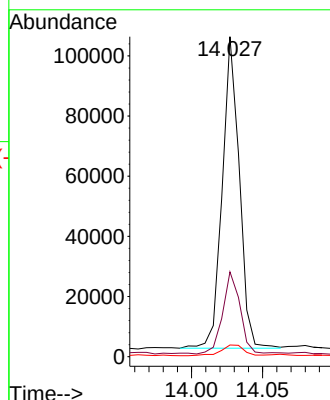
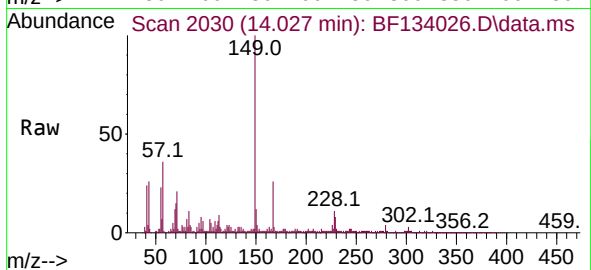
COMPOSIT-SB-7-22

Tgt Ion:	149	Resp:	86434
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.0	31.4
279	3.7	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

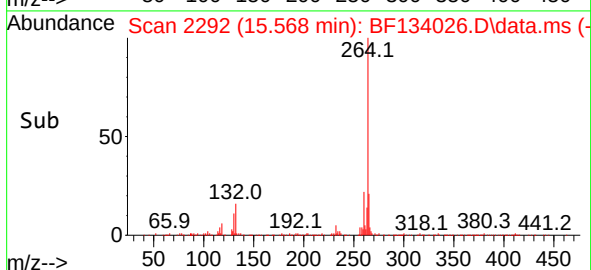
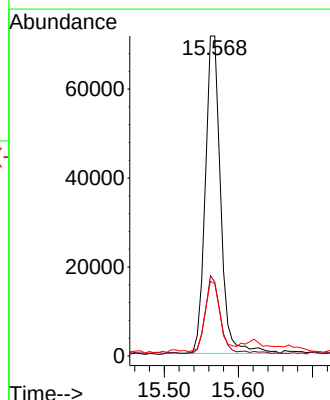
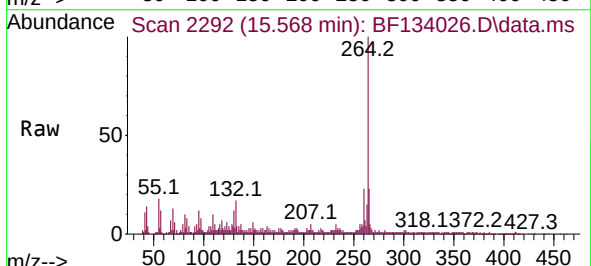
RT: 15.568 min Scan# 2292

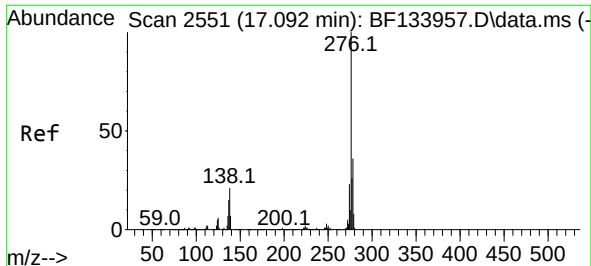
Delta R.T. 0.023 min

Lab File: BF134026.D

Acq: 28 Jun 2023 11:46

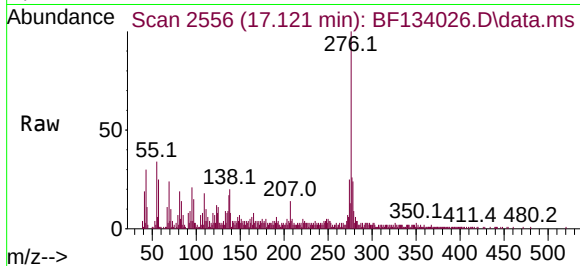
Tgt Ion:	264	Resp:	102526
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.5	29.3
265	22.6	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.664 ng
RT: 17.121 min Scan# 2116
Delta R.T. 0.029 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

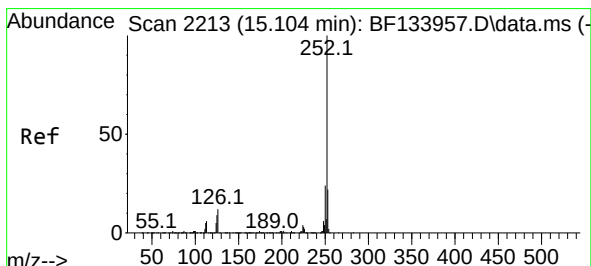
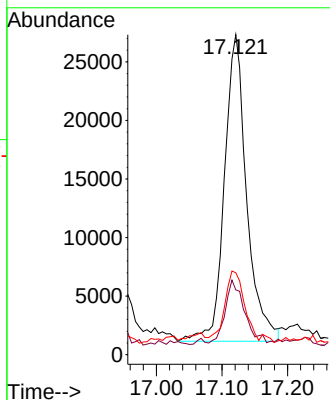
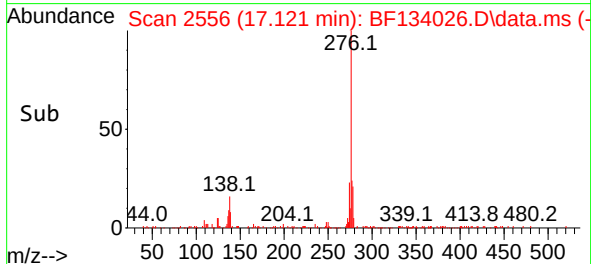
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22



Tgt Ion:276 Resp: 61638
Ion Ratio Lower Upper
276 100
138 17.7 18.7 28.1
277 20.6 19.9 29.9

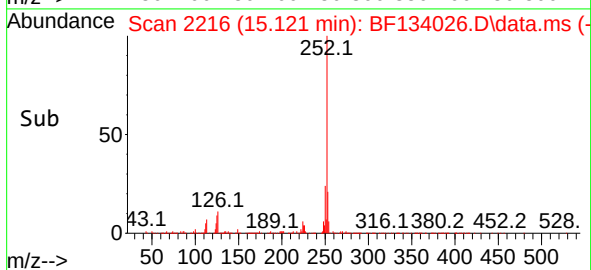
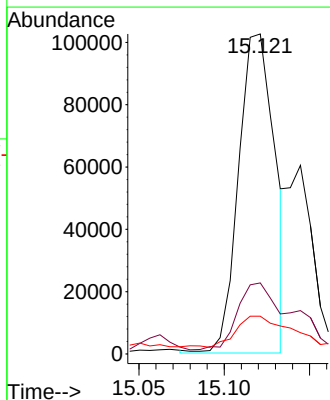
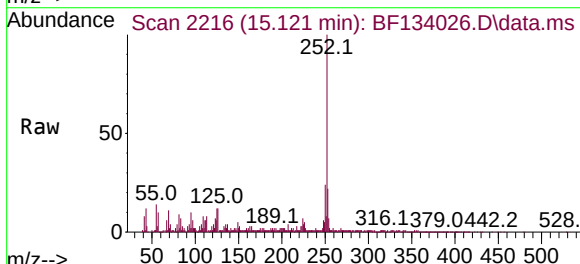
Manual Integrations
APPROVED

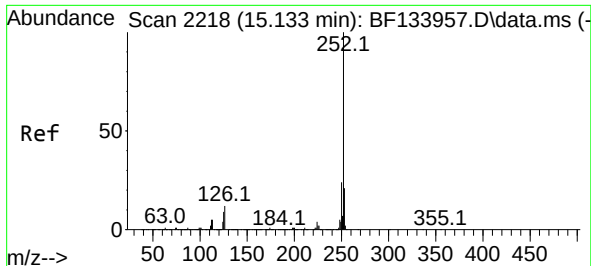
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#88
Benzo(b)fluoranthene
Concen: 25.088 ng m
RT: 15.121 min Scan# 2216
Delta R.T. 0.018 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

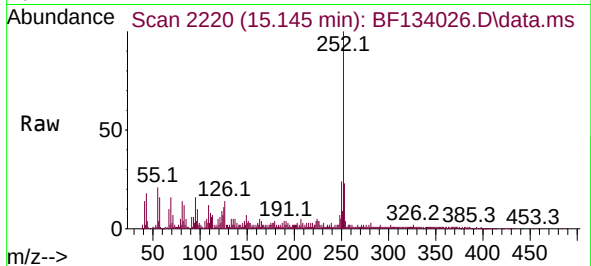
Tgt Ion:252 Resp: 151248
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.8 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 9.761 ng m
RT: 15.145 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

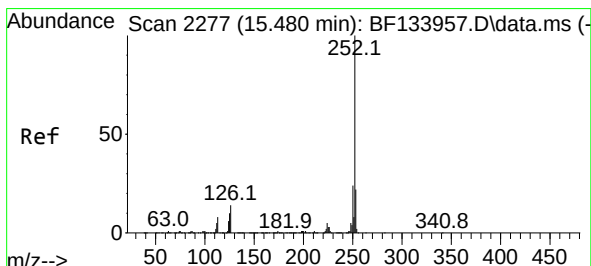
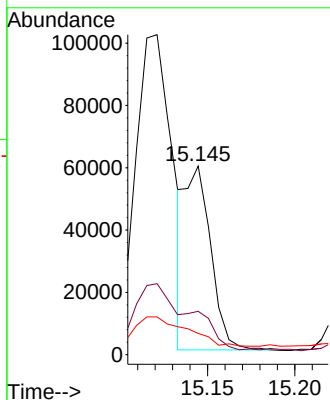
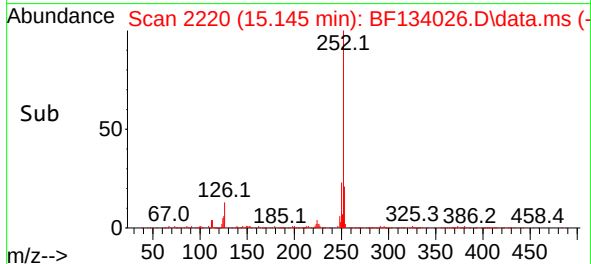
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22



Tgt Ion:252 Resp: 59912
Ion Ratio Lower Upper
252 100
253 23.0 16.9 25.3
125 11.3 7.4 11.2

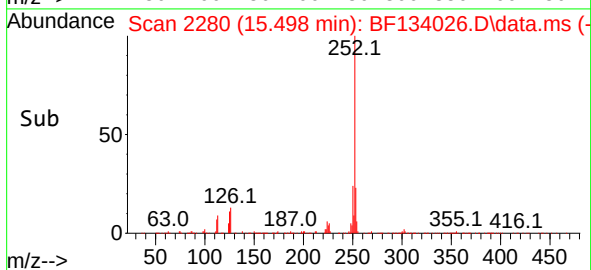
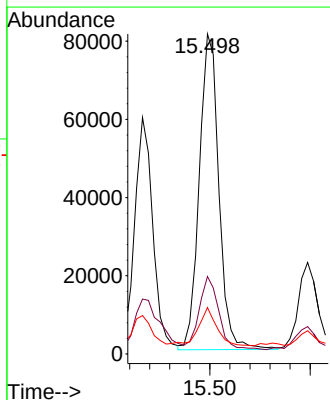
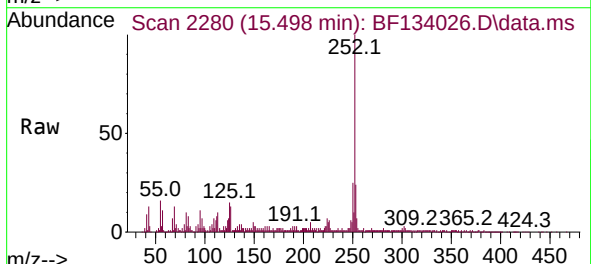
Manual Integrations
APPROVED

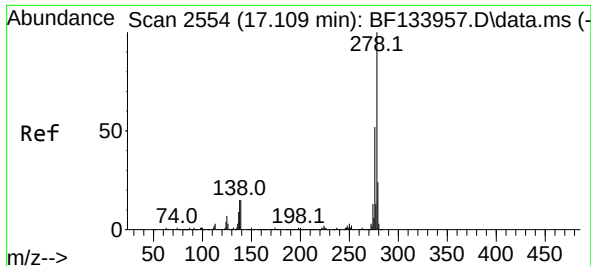
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#90
Benzo(a)pyrene
Concen: 18.893 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.018 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

Tgt Ion:252 Resp: 110136
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 14.5 8.4 12.6





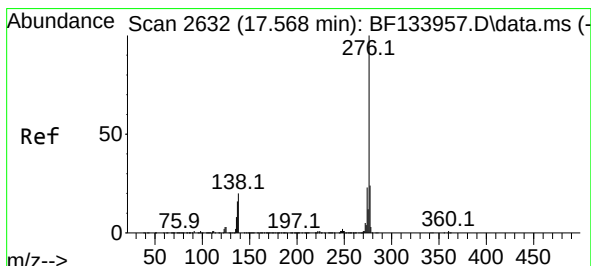
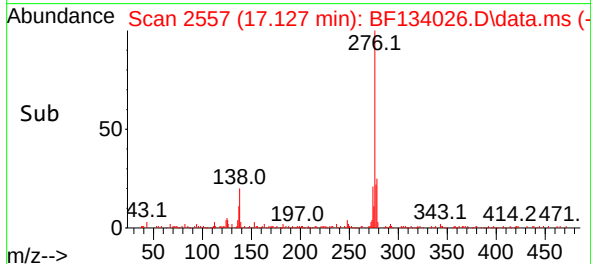
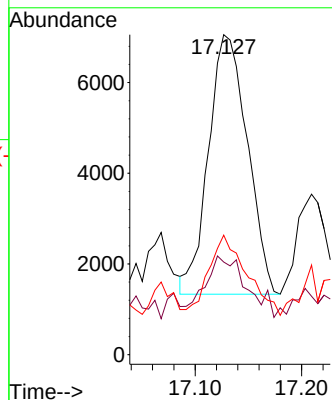
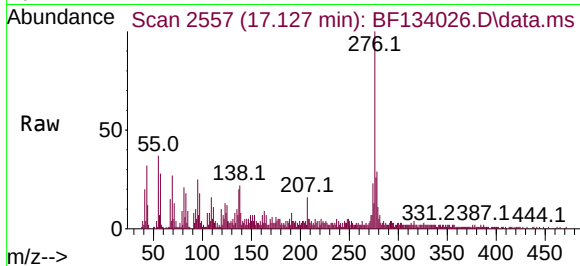
#91
Dibenzo(a,h)anthracene
Concen: 2.498 ng
RT: 17.127 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-7-22

Tgt Ion:278 Resp: 14510
Ion Ratio Lower Upper
278 100
139 29.0 12.2 18.4
279 37.3 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: 9.112 ng
RT: 17.592 min Scan# 2636
Delta R.T. 0.023 min
Lab File: BF134026.D
Acq: 28 Jun 2023 11:46

Tgt Ion:276 Resp: 54603
Ion Ratio Lower Upper
276 100
277 30.4 19.0 28.6
138 21.9 16.2 24.2

