

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134023.D
 Acq On : 28 Jun 2023 10:09
 Operator : CG\JU
 Sample : 03362-08
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-12-13

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 11:34:33 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	100015	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	320385	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	131062	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	252616	20.000	ng	0.00
76) Chrysene-d12	14.051	240	124588	20.000	ng	0.00
86) Perylene-d12	15.557	264	113222	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	560333	93.717	ng	0.01
7) Phenol-d6	6.492	99	628930	85.534	ng	0.00
23) Nitrobenzene-d5	7.416	82	396892	66.778	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	144278	87.800	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	653764	72.523	ng	0.00
79) Terphenyl-d14	12.986	244	677129	87.471	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	73350	4.740	ng	100
37) 2-Methylnaphthalene	8.845	142	27798	2.540	ng	100
52) Acenaphthene	9.922	154	36482	4.785	ng	96
55) Dibenzofuran	10.098	168	44171	3.707	ng	98
58) Fluorene	10.439	166	54907	5.923	ng	98
71) Phenanthrene	11.410	178	448371	35.257	ng	100
72) Anthracene	11.463	178	128515	9.716	ng	97
73) Carbazole	11.621	167	57507	4.750	ng	99
75) Fluoranthene	12.610	202	660016	48.007	ng	99
78) Pyrene	12.839	202	563326	48.585	ng	99
80) Butylbenzylphthalate	13.463	149	24919	5.730	ng	98
81) Benzo(a)anthracene	14.039	228	234943	27.191	ng	99
83) Chrysene	14.074	228	185331	22.145	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	38181	7.641	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	86838	11.053	ng	95
88) Benzo(b)fluoranthene	15.115	252	232534m	34.928	ng	
89) Benzo(k)fluoranthene	15.139	252	70850m	10.452	ng	
90) Benzo(a)pyrene	15.492	252	159424	24.764	ng	97
91) Dibenzo(a,h)anthracene	17.121	278	22151	3.452	ng	# 79
92) Benzo(g,h,i)perylene	17.580	276	81225	12.274	ng	98

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

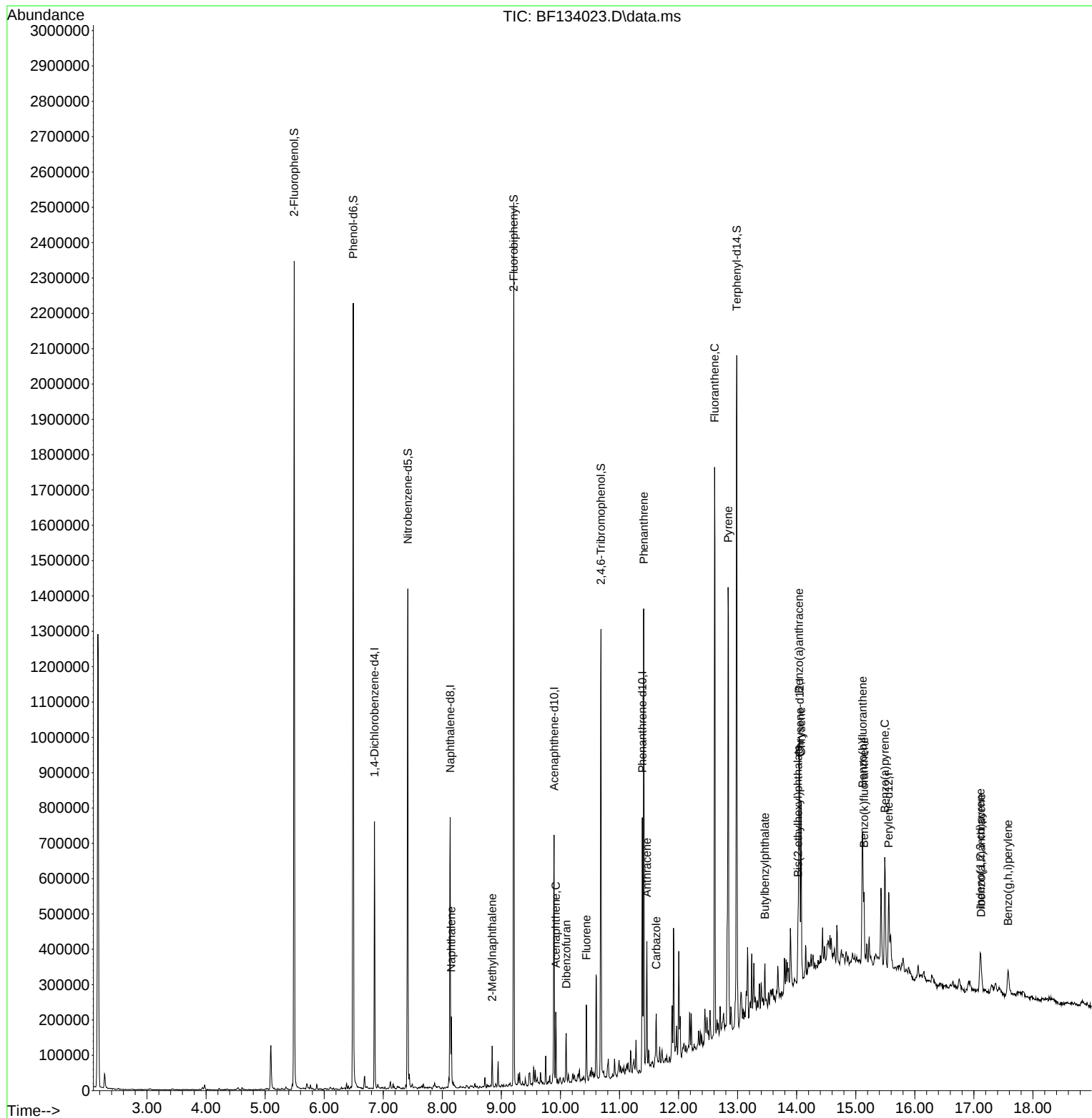
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134023.D
Acq On : 28 Jun 2023 10:09
Operator : CG\JU
Sample : 03362-08
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13

Quant Time: Jun 28 11:34:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

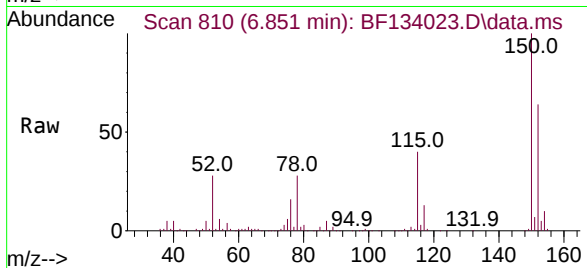
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

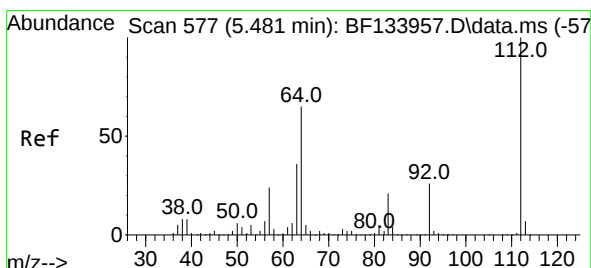
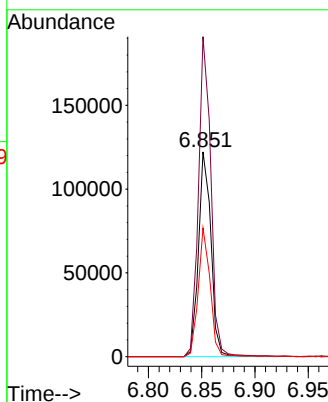
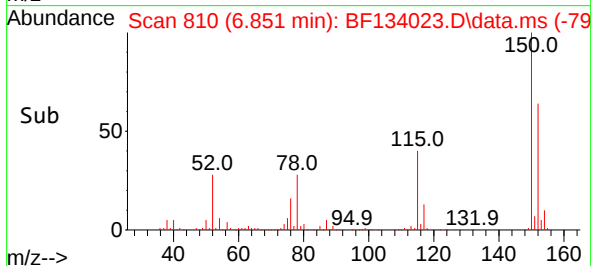
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13



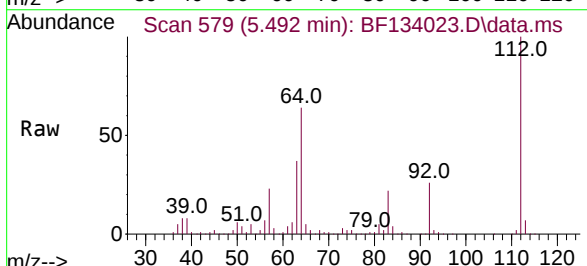
Tgt Ion:152 Resp: 100015
Ion Ratio Lower Upper
152 100
150 156.3 124.5 186.7
115 62.9 50.2 75.2

Manual Integrations
APPROVED

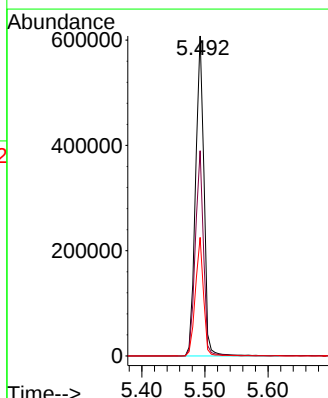
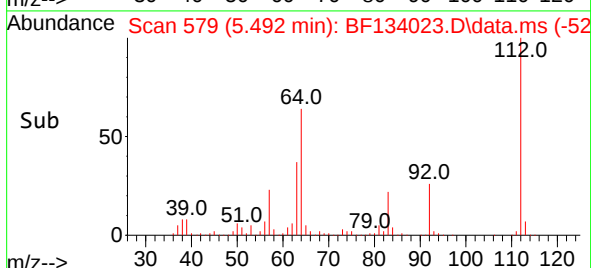
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

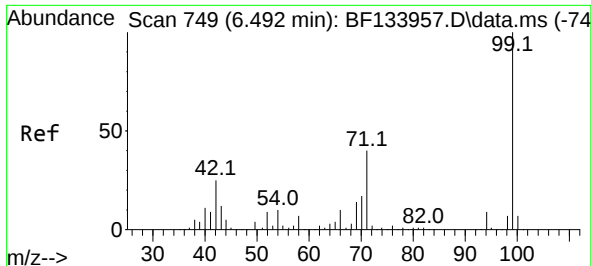


#5
2-Fluorophenol
Concen: 93.717 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09



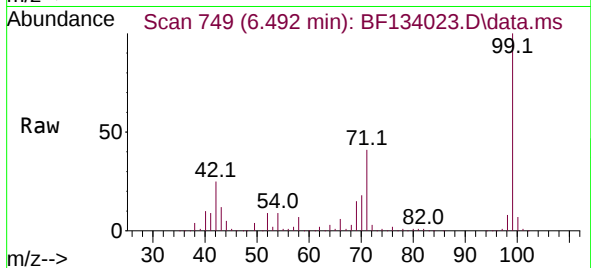
Tgt Ion:112 Resp: 560333
Ion Ratio Lower Upper
112 100
64 64.1 52.1 78.1
63 37.1 28.6 42.8





#7
Phenol-d6
Concen: 85.534 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

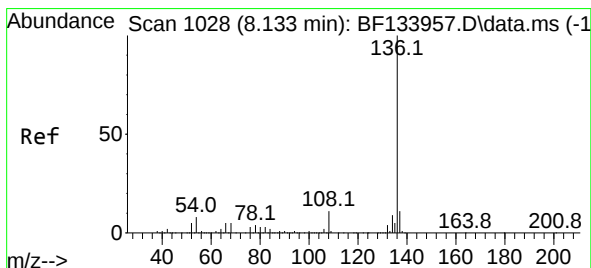
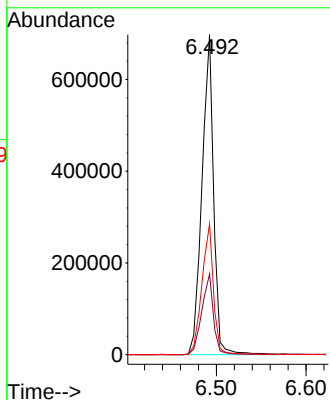
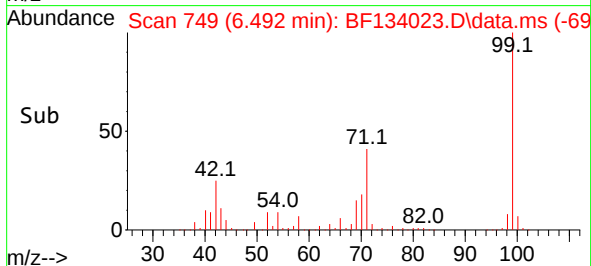
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13



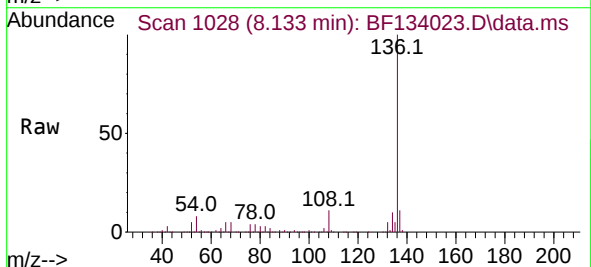
Tgt Ion: 99 Resp: 628930
Ion Ratio Lower Upper
99 100
42 25.2 19.8 29.6
71 40.9 31.9 47.9

Manual Integrations
APPROVED

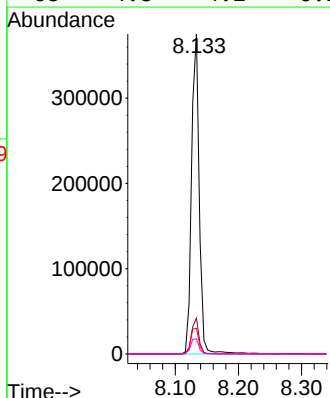
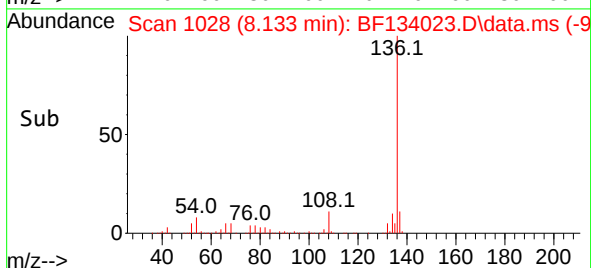
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

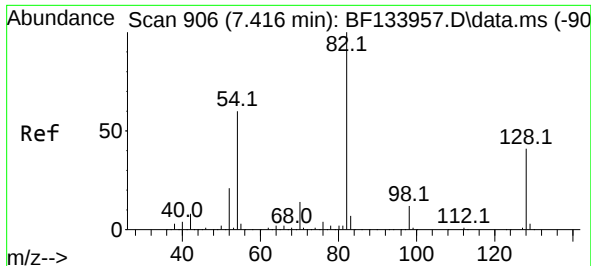


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09



Tgt Ion:136 Resp: 320385
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 8.0 6.5 9.7
68 4.8 4.2 6.2





#23

Nitrobenzene-d5

Concen: 66.778 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF134023.D

Acq: 28 Jun 2023 10:09

Instrument :

BNA_F

ClientSampleId :

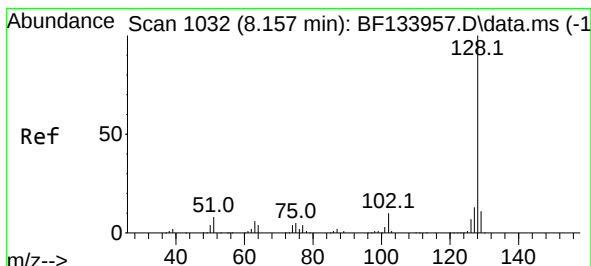
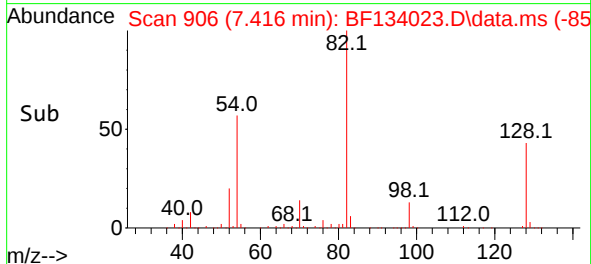
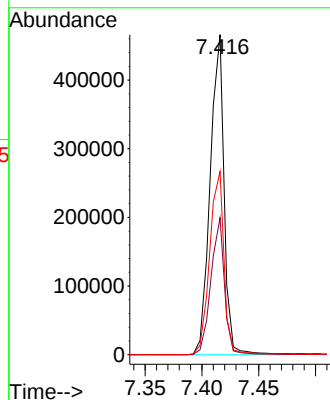
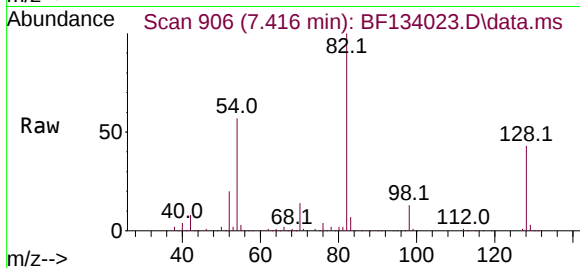
COMPOSIT-SB-12-13

Tgt Ion: 82 Resp: 396892
 Ion Ratio Lower Upper
 82 100
 128 42.8 32.5 48.7
 54 57.3 48.2 72.2

Manual Integrations

APPROVED

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



#31

Naphthalene

Concen: 4.740 ng

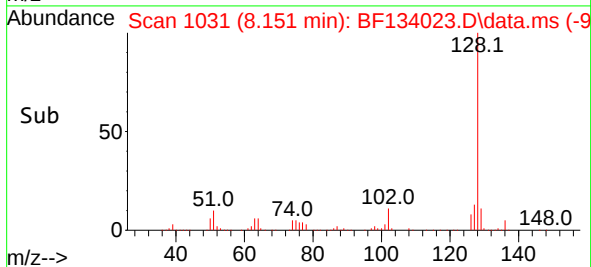
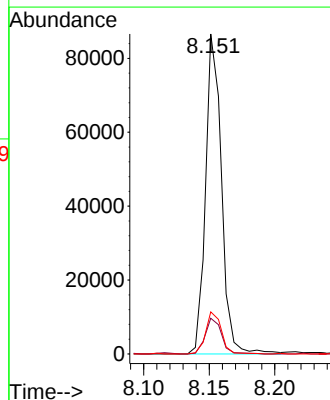
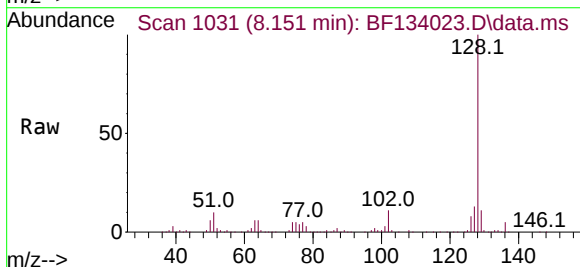
RT: 8.151 min Scan# 1031

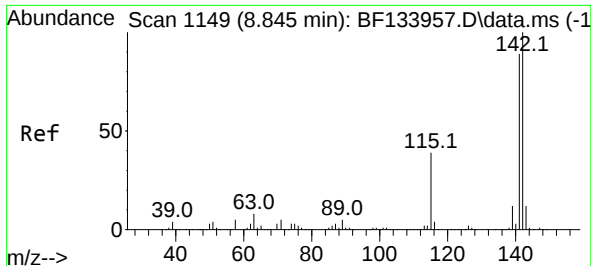
Delta R.T. -0.006 min

Lab File: BF134023.D

Acq: 28 Jun 2023 10:09

Tgt Ion:128 Resp: 73350
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.7 13.1
 127 13.2 10.6 15.8





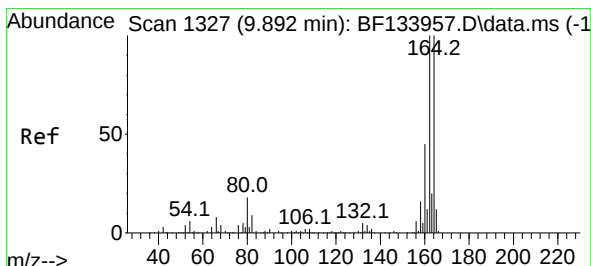
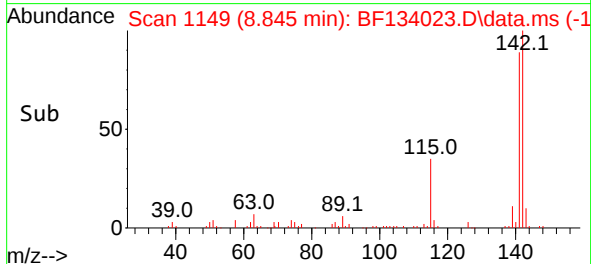
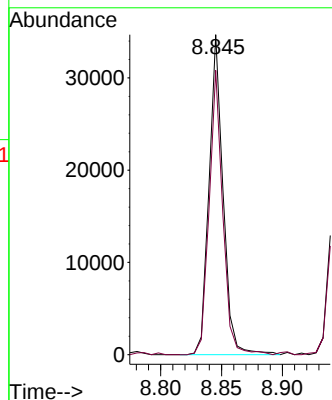
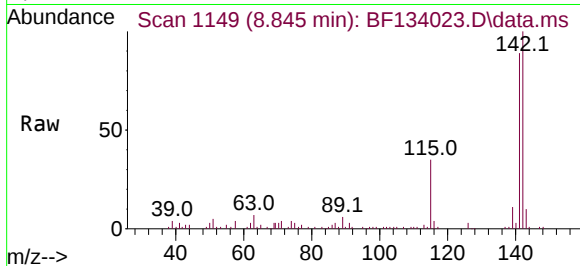
#37
2-Methylnaphthalene
Concen: 2.540 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13

Tgt Ion:142 Resp: 27798
Ion Ratio Lower Upper
142 100
141 88.9 71.0 106.4

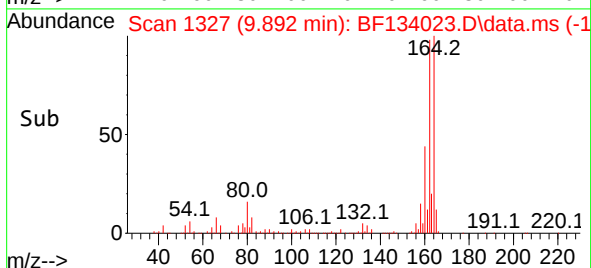
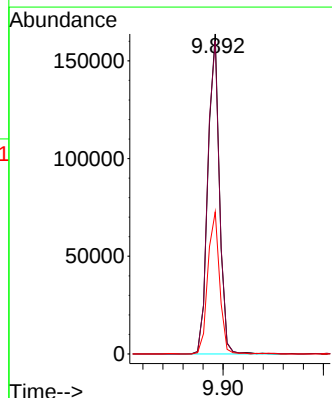
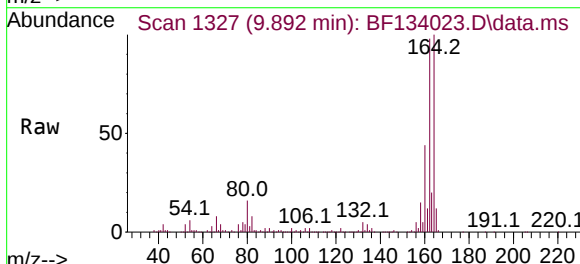
Manual Integrations
APPROVED

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: BF134023.D
Acq: 28 Jun 2023 10:09

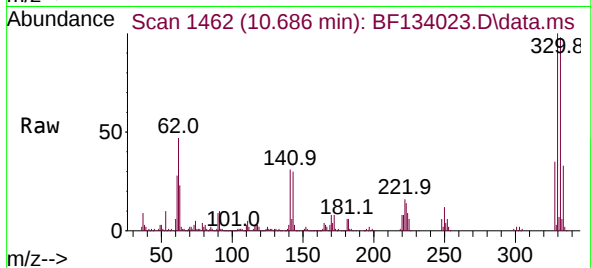
Tgt Ion:164 Resp: 131062
Ion Ratio Lower Upper
164 100
162 97.8 80.0 120.0
160 44.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 87.800 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

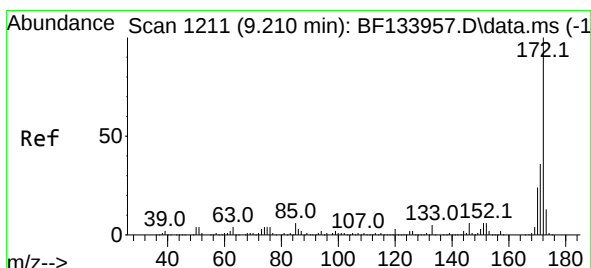
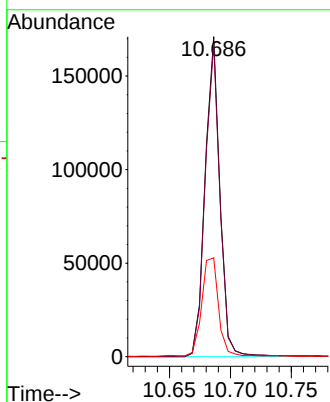
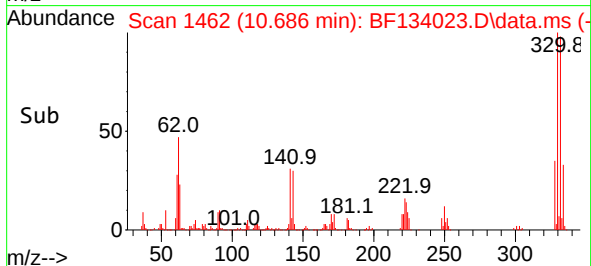
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13



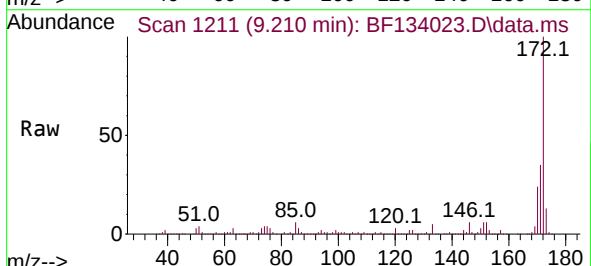
Tgt Ion: 330 Resp: 144278
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.6
141 35.6 26.3 39.5

Manual Integrations
APPROVED

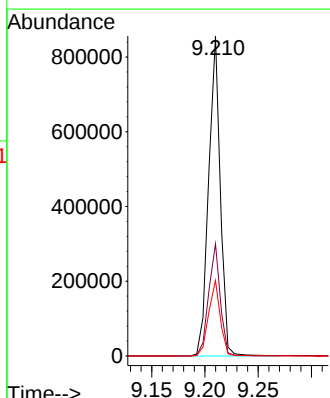
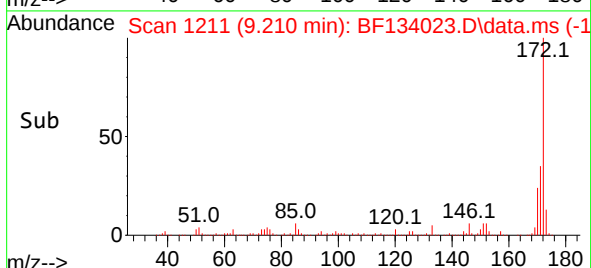
Reviewed By : Yogesh Patel 06/29/2023
Supervised By : mohammad ahmed 06/29/2023

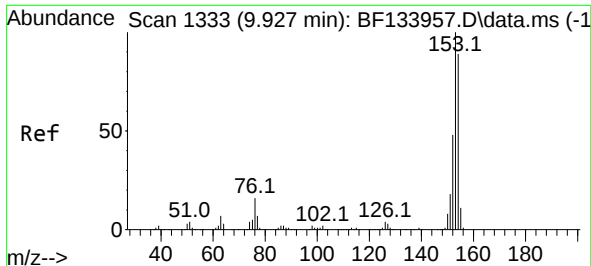


#45
2-Fluorobiphenyl
Concen: 72.523 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09



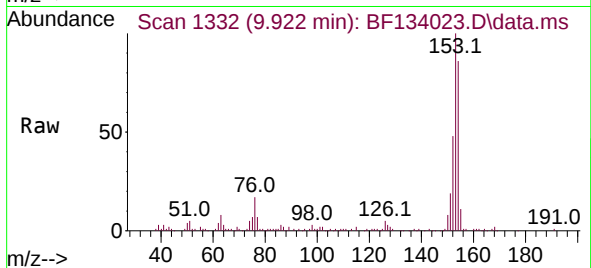
Tgt Ion: 172 Resp: 653764
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.6 19.4 29.0





#52
Acenaphthene
Concen: 4.785 ng
RT: 9.922 min Scan# 1333
Delta R.T. -0.005 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

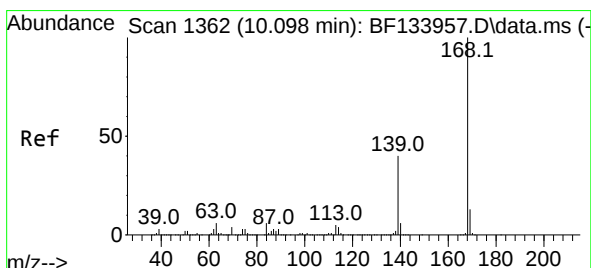
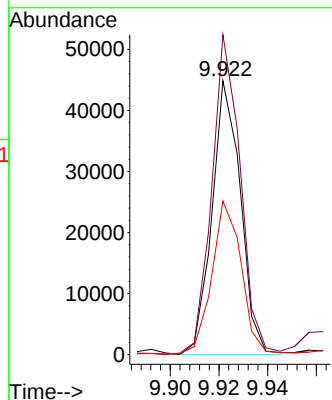
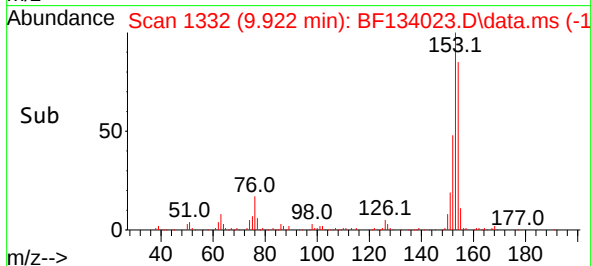
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13



Tgt Ion:154 Resp: 3648
Ion Ratio Lower Upper
154 100
153 116.8 89.4 134.2
152 56.1 42.8 64.2

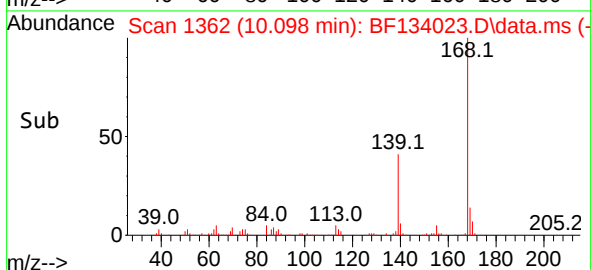
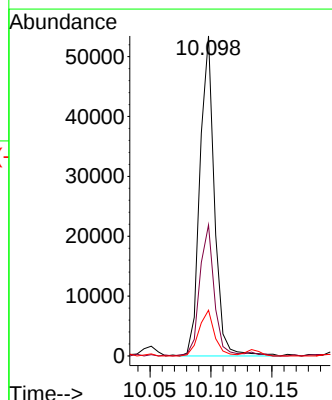
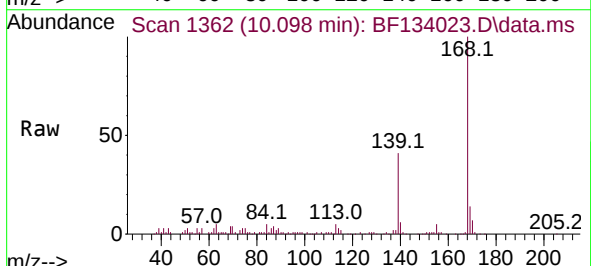
Manual Integrations
APPROVED

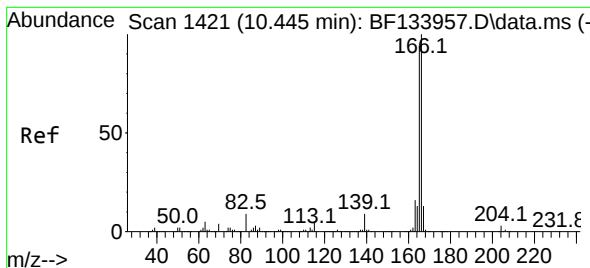
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#55
Dibenzofuran
Concen: 3.707 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

Tgt Ion:168 Resp: 44171
Ion Ratio Lower Upper
168 100
139 41.0 32.0 48.0
169 14.3 10.6 16.0





#58

Fluorene

Concen: 5.923 ng

RT: 10.439 min Scan# 1421

Delta R.T. -0.006 min

Lab File: BF134023.D

Acq: 28 Jun 2023 10:09

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-12-13

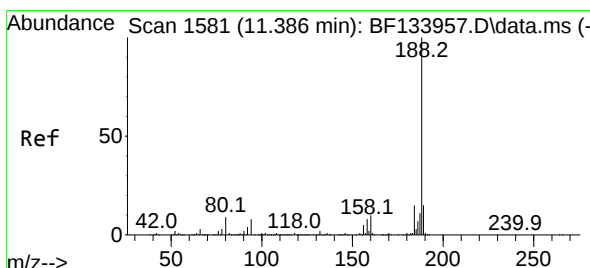
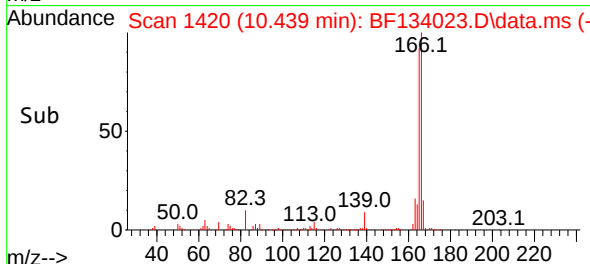
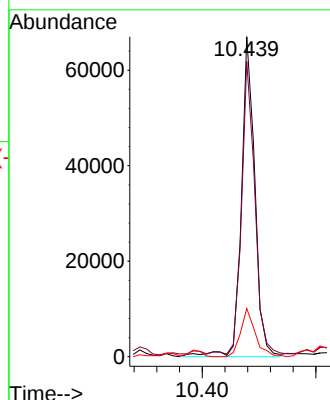
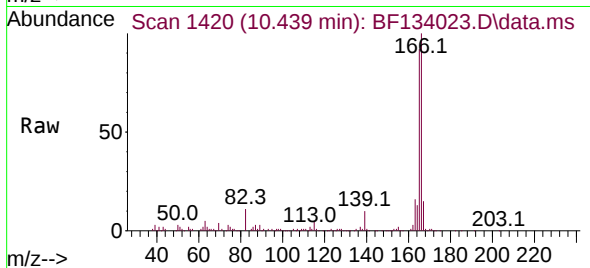
Tgt Ion:166	Resp:	5490
Ion Ratio	Lower	Upper
166	100	
165	92.2	75.0 112.4
167	15.0	10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

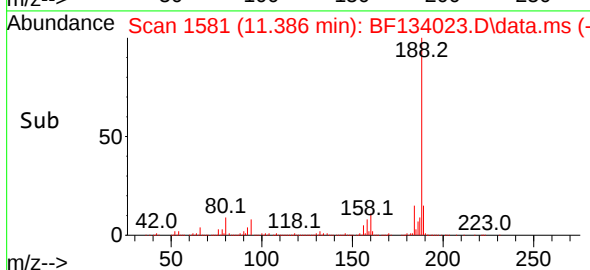
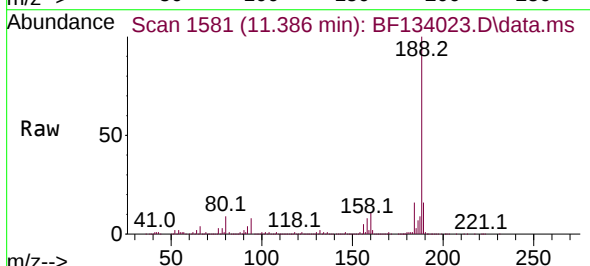
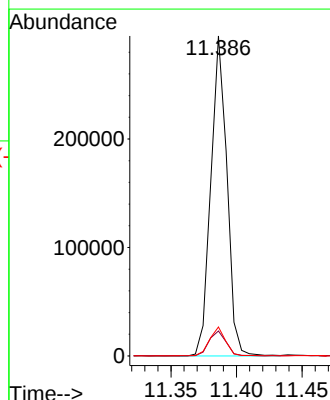
RT: 11.386 min Scan# 1581

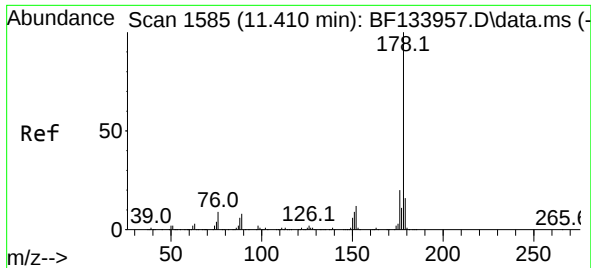
Delta R.T. 0.000 min

Lab File: BF134023.D

Acq: 28 Jun 2023 10:09

Tgt Ion:188	Resp:	252616
Ion Ratio	Lower	Upper
188	100	
94	7.8	6.4 9.6
80	9.0	7.3 10.9





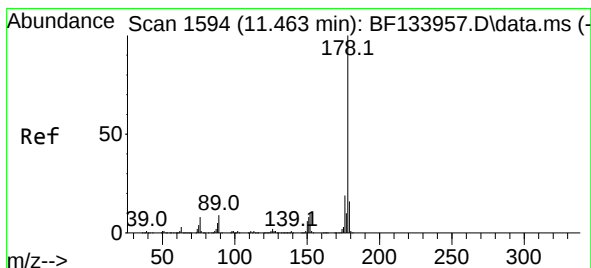
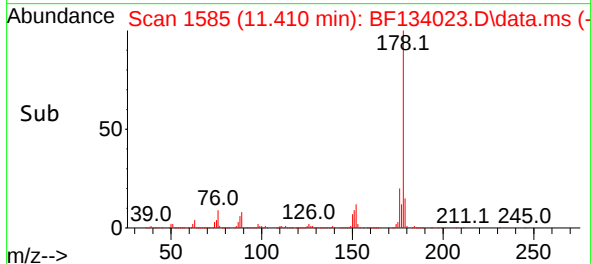
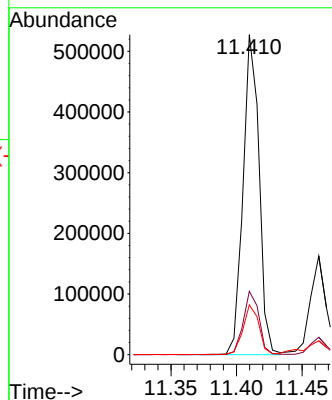
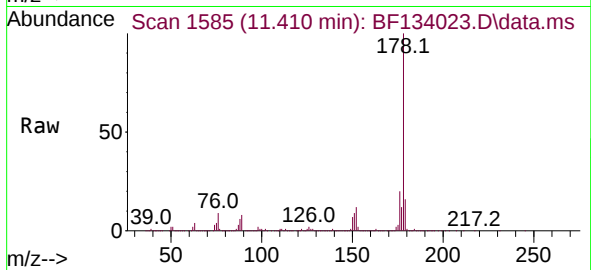
#71
Phenanthrene
Concen: 35.257 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13

Tgt Ion:178 Resp: 44837
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.5 12.4 18.6

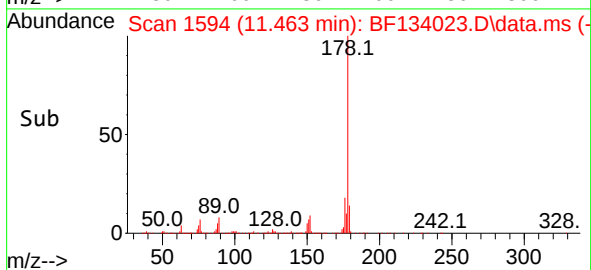
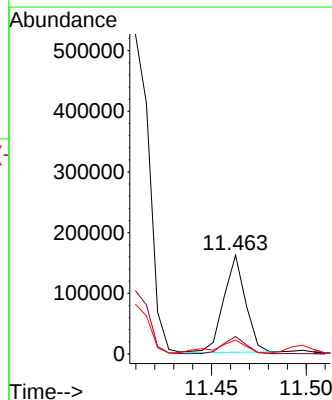
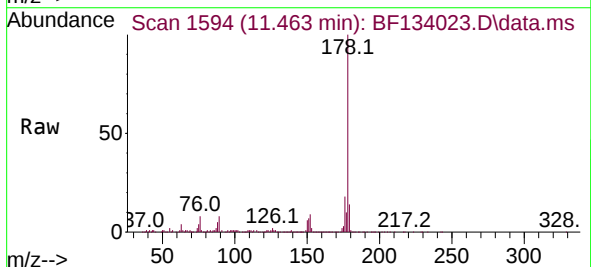
Manual Integrations
APPROVED

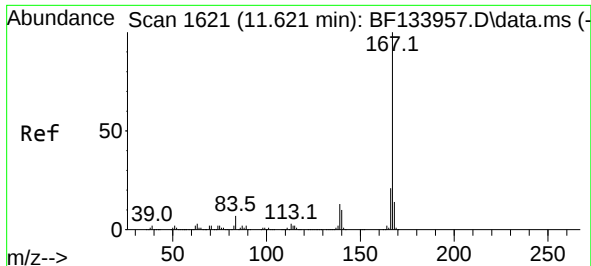
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#72
Anthracene
Concen: 9.716 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

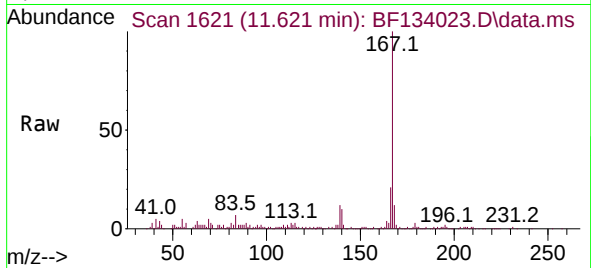
Tgt Ion:178 Resp: 128515
Ion Ratio Lower Upper
178 100
176 17.7 15.3 22.9
179 14.1 12.4 18.6





#73
 Carbazole
 Concen: 4.750 ng
 RT: 11.621 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF134023.D
 Acq: 28 Jun 2023 10:09

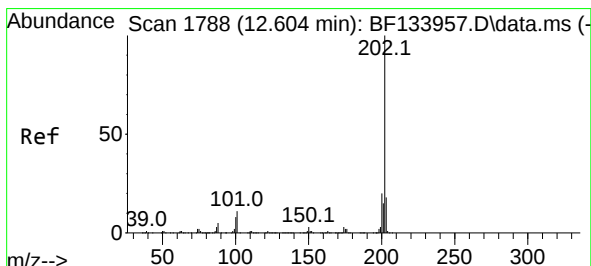
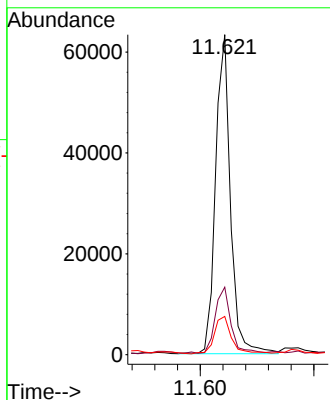
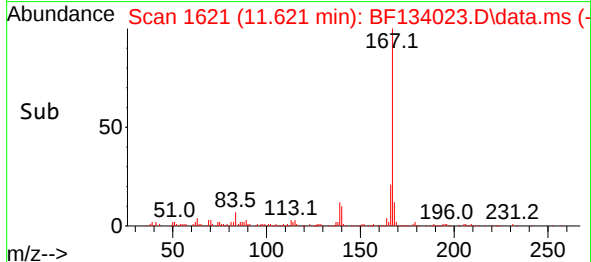
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-12-13



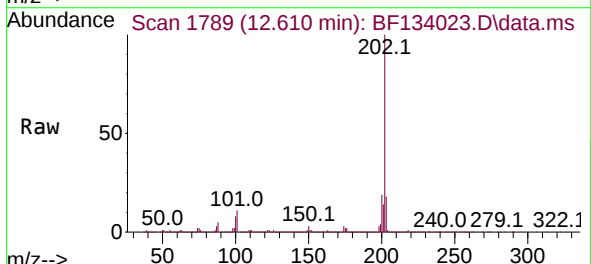
Tgt Ion:167 Resp: 5750
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.6
 139 12.0 10.4 15.6

Manual Integrations
 APPROVED

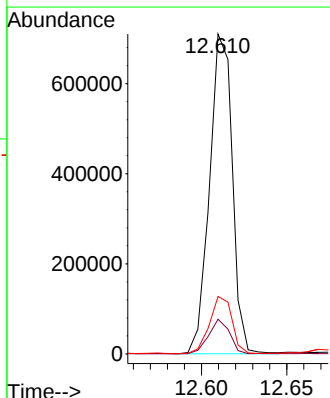
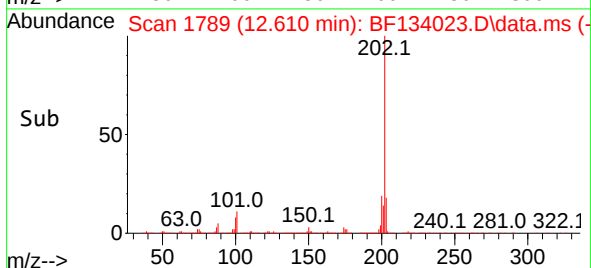
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

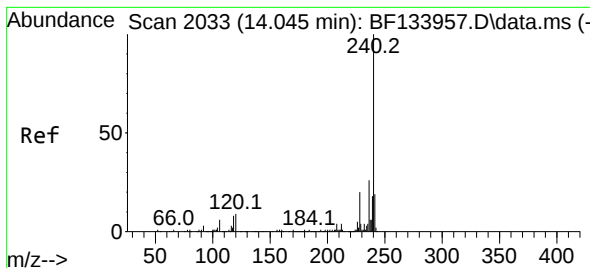


#75
 Fluoranthene
 Concen: 48.007 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134023.D
 Acq: 28 Jun 2023 10:09



Tgt Ion:202 Resp: 660016
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.0
 203 18.0 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: BF134023.D

Acq: 28 Jun 2023 10:09

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-12-13

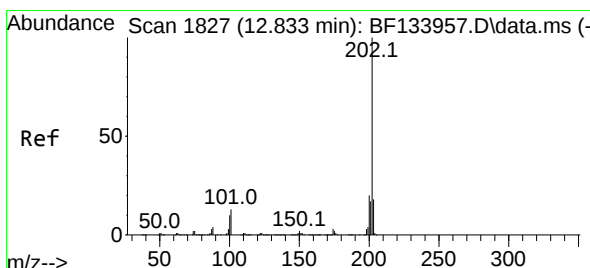
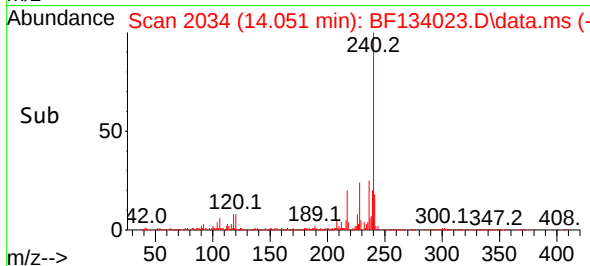
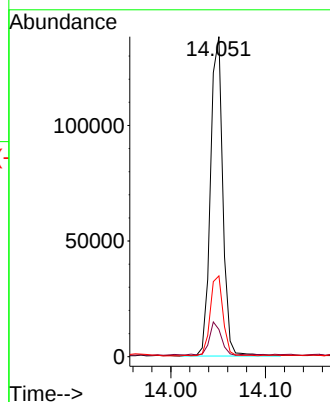
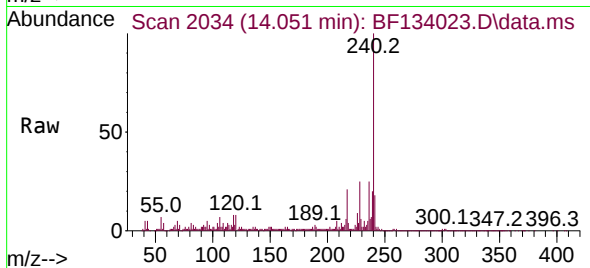
Tgt Ion:240 Resp: 124588
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.4 11.0
 236 25.2 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#78

Pyrene

Concen: 48.585 ng

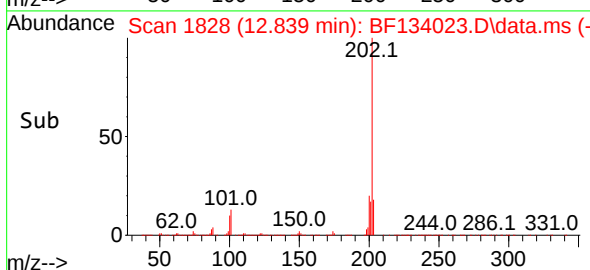
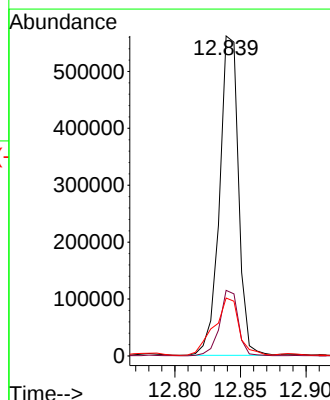
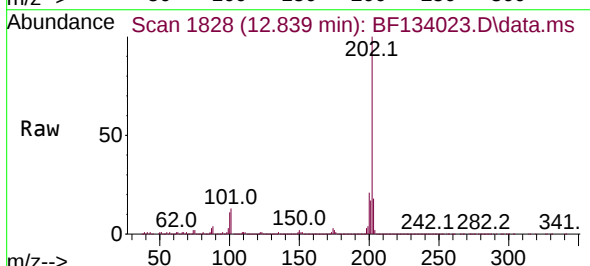
RT: 12.839 min Scan# 1828

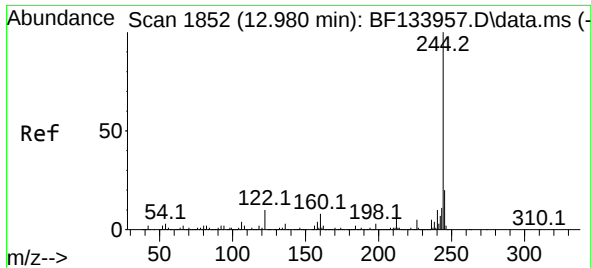
Delta R.T. 0.006 min

Lab File: BF134023.D

Acq: 28 Jun 2023 10:09

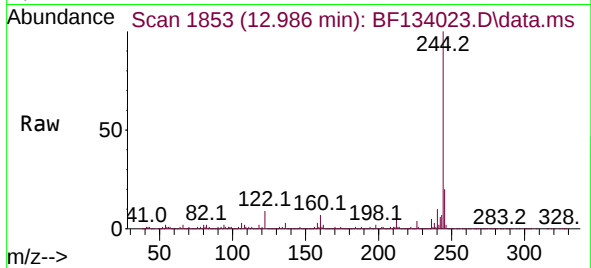
Tgt Ion:202 Resp: 563326
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.1 24.1
 203 18.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 87.471 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: BF134023.D
 Acq: 28 Jun 2023 10:09

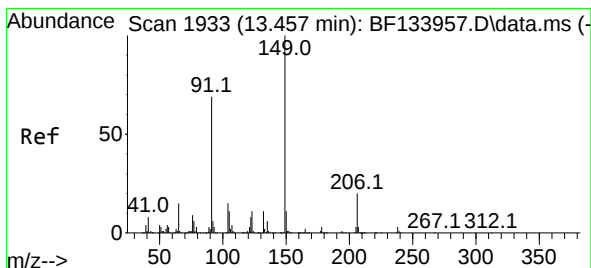
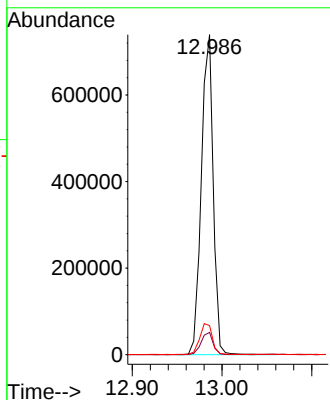
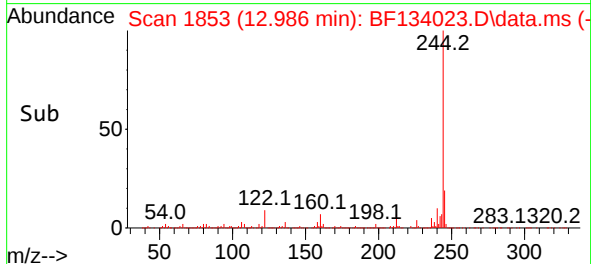
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-12-13



Tgt Ion:244 Resp: 677129
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.1 8.3 12.5

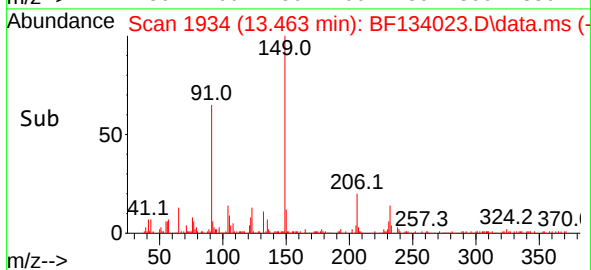
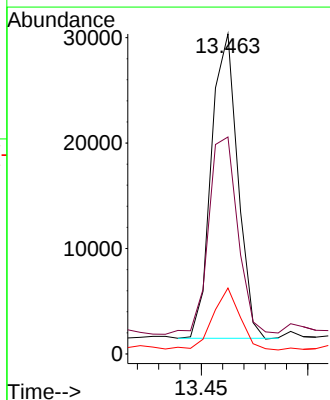
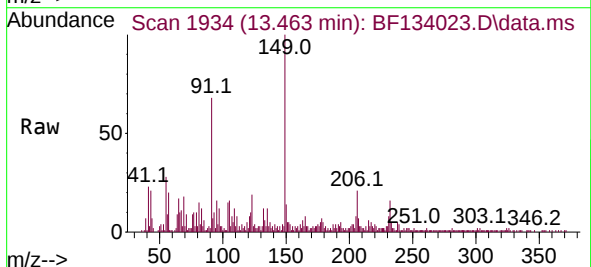
Manual Integrations
 APPROVED

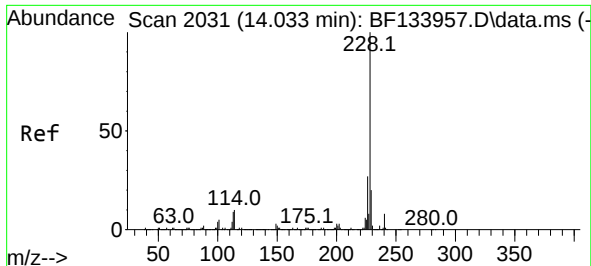
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023



#80
 Butylbenzylphthalate
 Concen: 5.730 ng
 RT: 13.463 min Scan# 1934
 Delta R.T. 0.006 min
 Lab File: BF134023.D
 Acq: 28 Jun 2023 10:09

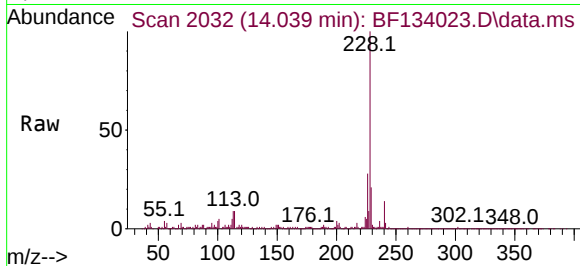
Tgt Ion:149 Resp: 24919
 Ion Ratio Lower Upper
 149 100
 91 67.8 55.1 82.7
 206 20.6 15.7 23.5





#81
Benzo(a)anthracene
Concen: 27.191 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

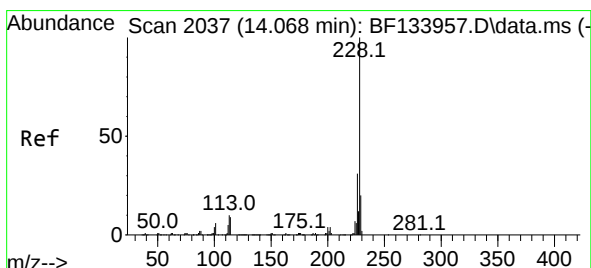
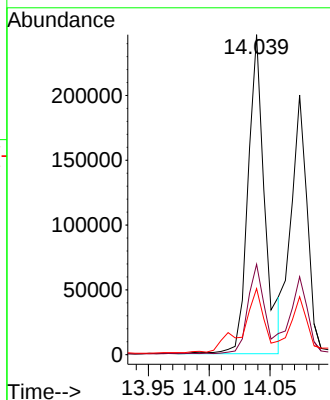
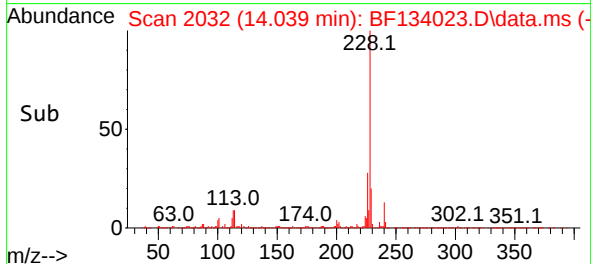
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13



Tgt Ion:228 Resp: 23494
Ion Ratio Lower Upper
228 100
226 28.2 22.0 33.0
229 20.7 16.3 24.5

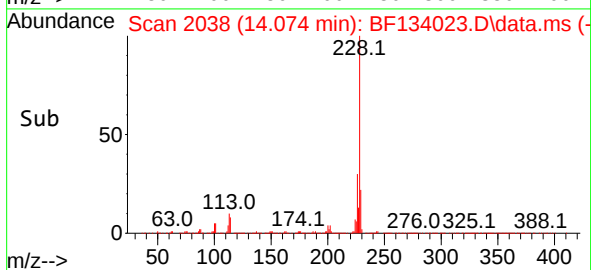
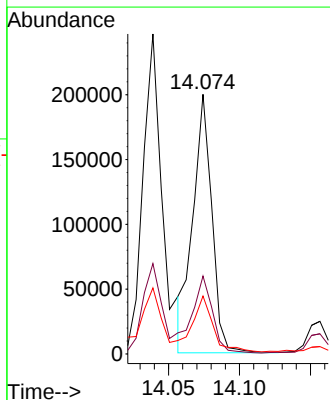
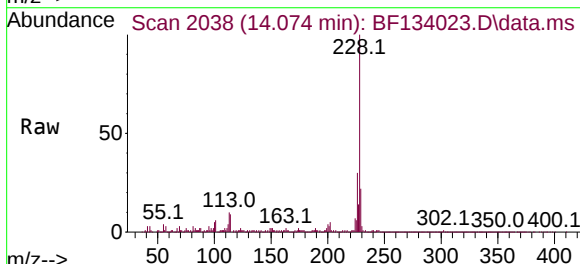
Manual Integrations
APPROVED

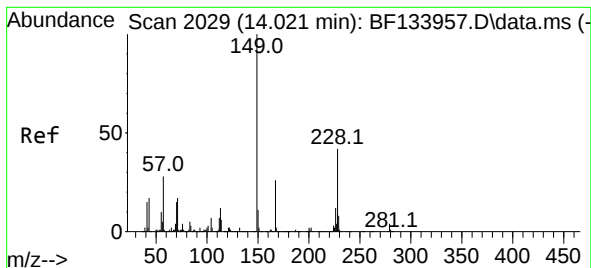
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#83
Chrysene
Concen: 22.145 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

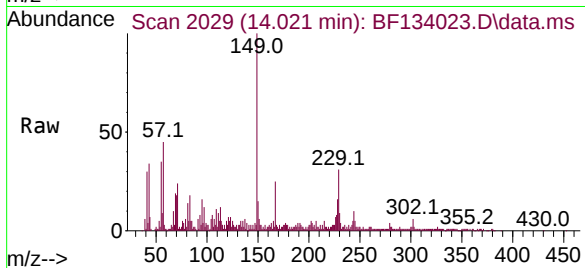
Tgt Ion:228 Resp: 185331
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 22.3 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 7.641 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

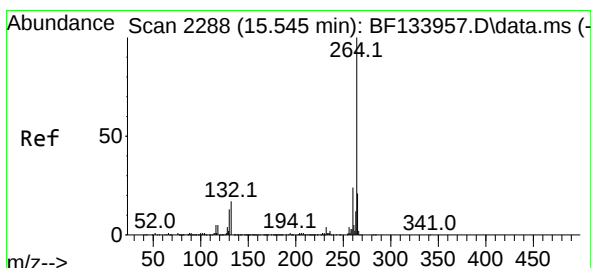
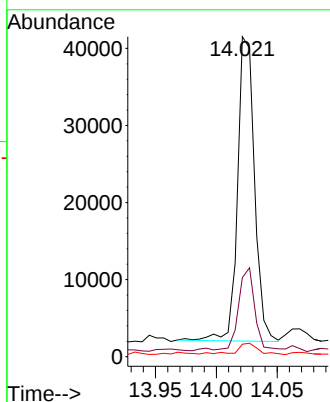
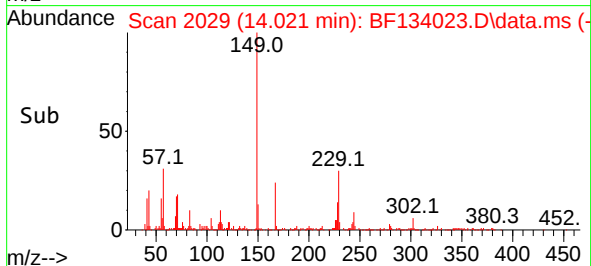
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13



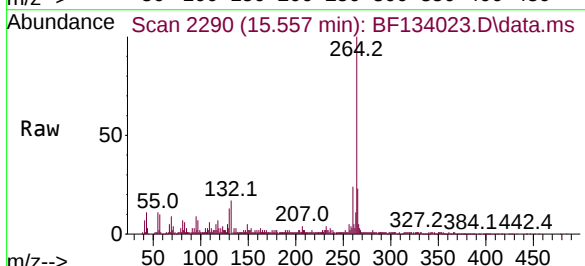
Tgt Ion:149 Resp: 3818
Ion Ratio Lower Upper
149 100
167 24.7 21.0 31.4
279 3.9 3.3 4.9

Manual Integrations
APPROVED

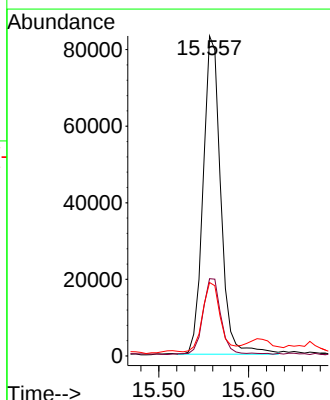
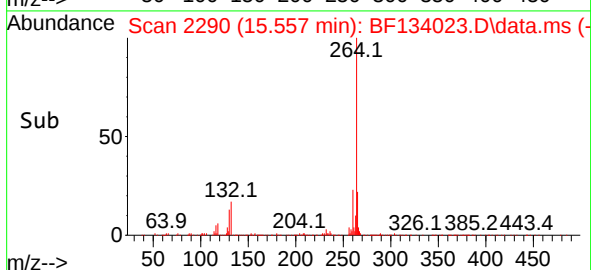
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

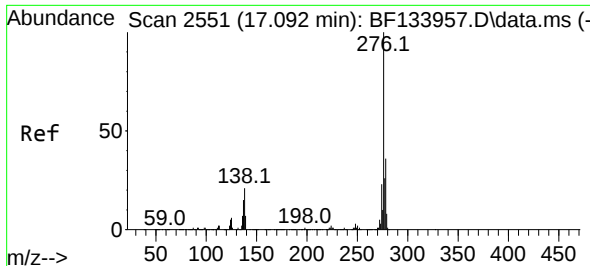


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.012 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09



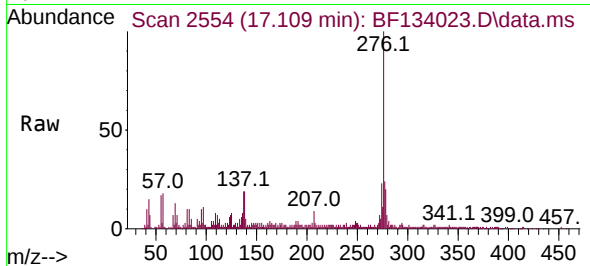
Tgt Ion:264 Resp: 113222
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.9 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.053 ng
RT: 17.109 min Scan# 2155
Delta R.T. 0.018 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

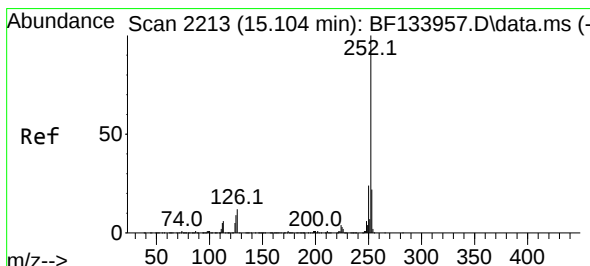
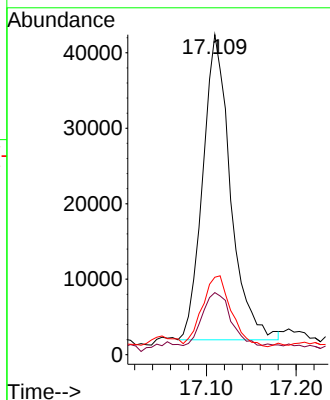
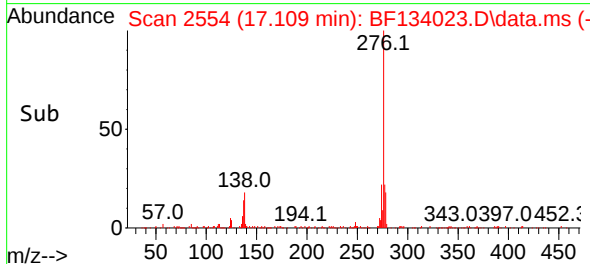
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13



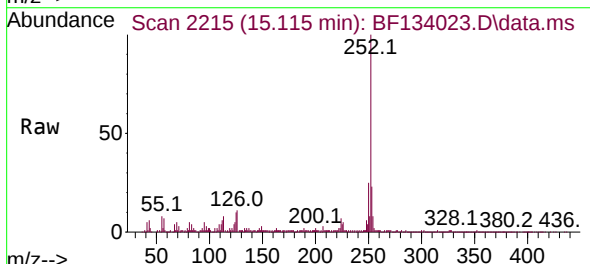
Tgt Ion:276 Resp: 86838
Ion Ratio Lower Upper
276 100
138 19.0 18.7 28.1
277 24.4 19.9 29.9

Manual Integrations
APPROVED

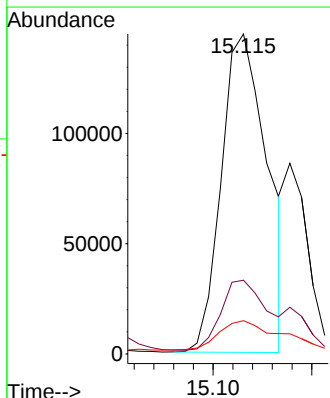
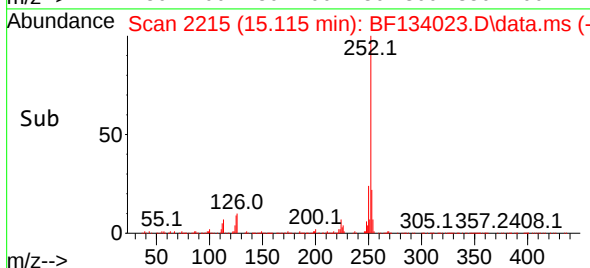
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

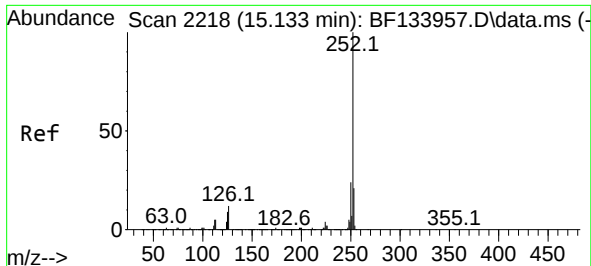


#88
Benzo(b)fluoranthene
Concen: 34.928 ng m
RT: 15.115 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09



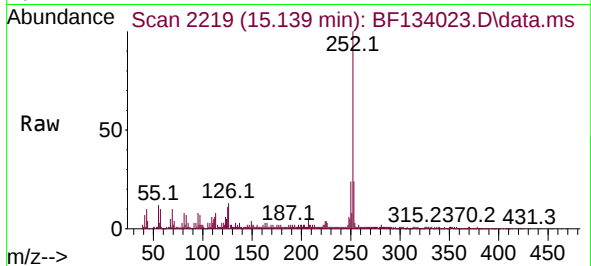
Tgt Ion:252 Resp: 232534
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.4 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 10.452 ng m
RT: 15.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

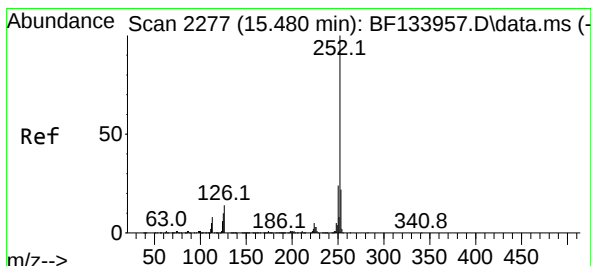
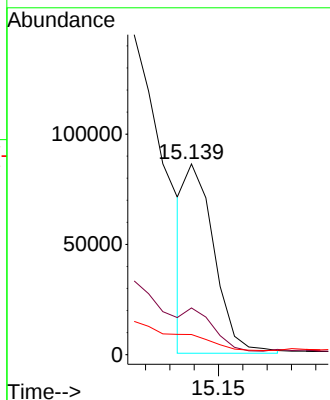
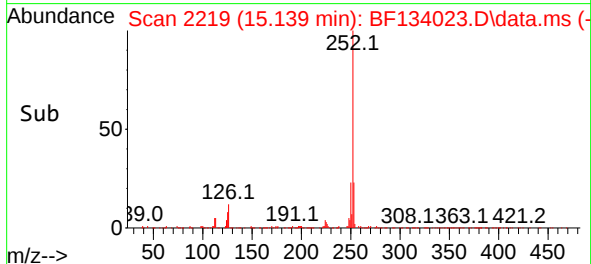
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-12-13



Tgt Ion:252 Resp: 70850
Ion Ratio Lower Upper
252 100
253 24.5 16.9 25.3
125 10.6 7.4 11.2

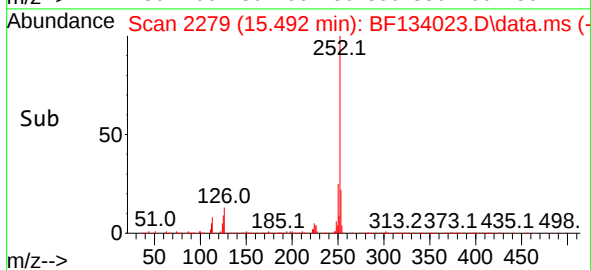
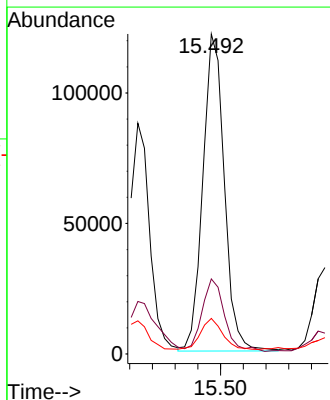
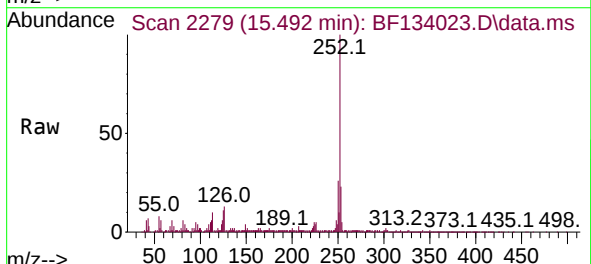
Manual Integrations
APPROVED

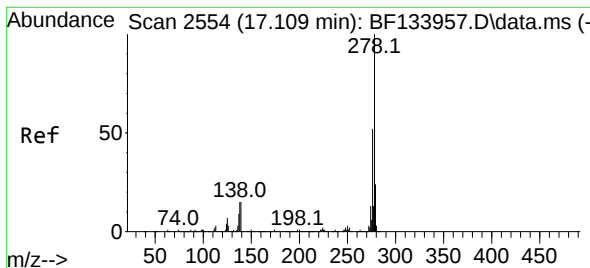
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#90
Benzo(a)pyrene
Concen: 24.764 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF134023.D
Acq: 28 Jun 2023 10:09

Tgt Ion:252 Resp: 159424
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.1 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 3.452 ng

RT: 17.121 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134023.D

Acq: 28 Jun 2023 10:09

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-12-13

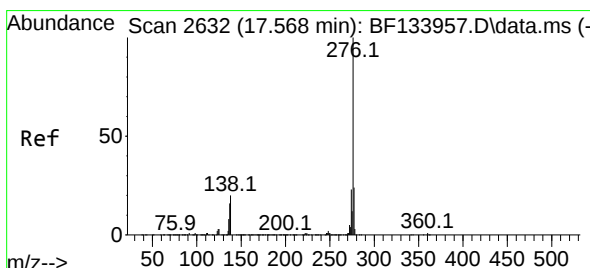
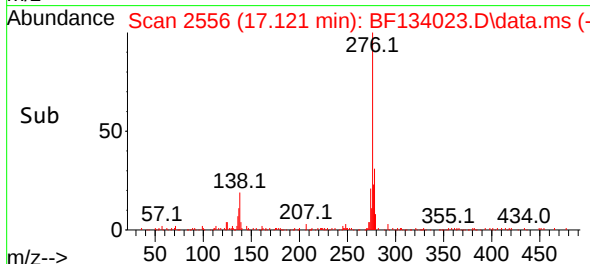
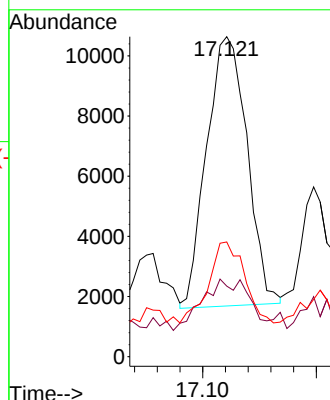
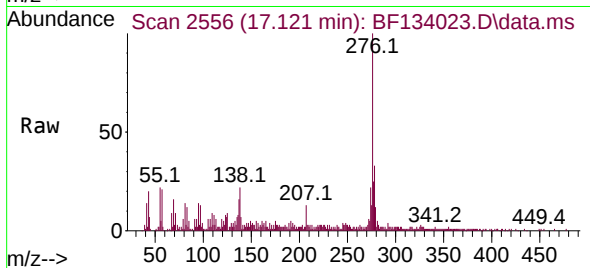
Tgt Ion:	278	Resp:	2215
Ion Ratio	Lower	Upper	
278	100		
139	22.1	12.2	18.4
279	35.8	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#92

Benzo(g,h,i)perylene

Concen: 12.274 ng

RT: 17.580 min Scan# 2634

Delta R.T. 0.012 min

Lab File: BF134023.D

Acq: 28 Jun 2023 10:09

Tgt Ion:	276	Resp:	81225
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.0	28.6
138	21.7	16.2	24.2

