

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134043.D
 Acq On : 29 Jun 2023 18:37
 Operator : CG\JU
 Sample : 03362-20RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-25RE

Quant Time: Jun 30 05:13:02 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 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	99627	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	337314	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	137043	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	247786	20.000	ng	0.00
76) Chrysene-d12	14.045	240	176315	20.000	ng	0.00
86) Perylene-d12	15.545	264	143649	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	517509	86.891	ng	0.00
7) Phenol-d6	6.481	99	610591	83.363	ng	-0.01
23) Nitrobenzene-d5	7.410	82	405337	64.776	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	120329	70.030	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	662654	70.301	ng	0.00
79) Terphenyl-d14	12.980	244	699159	63.820	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.145	128	35522	2.180	ng	98
37) 2-Methylnaphthalene	8.839	142	24891	2.160	ng	95
49) Acenaphthylene	9.745	152	30674	2.232	ng	99
52) Acenaphthene	9.916	154	127115	15.944	ng	97
55) Dibenzofuran	10.092	168	137048	10.999	ng	99
58) Fluorene	10.433	166	87946	9.072	ng	97
71) Phenanthrene	11.404	178	557757	44.714	ng	99
72) Anthracene	11.457	178	298127	22.978	ng	100
73) Carbazole	11.616	167	38384	3.232	ng	97
75) Fluoranthene	12.610	202	1015334	75.291	ng	98
78) Pyrene	12.839	202	830519	50.615	ng	99
81) Benzo(a)anthracene	14.033	228	315157	25.774	ng	98
83) Chrysene	14.068	228	294258m	24.846	ng	
84) Bis(2-ethylhexyl)phtha...	14.015	149	16444	2.325	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.092	276	104364	10.470	ng	95
88) Benzo(b)fluoranthene	15.104	252	284699m	33.705	ng	
89) Benzo(k)fluoranthene	15.127	252	96697m	11.244	ng	
90) Benzo(a)pyrene	15.480	252	178667	21.874	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	26944m	3.309	ng	
92) Benzo(g,h,i)perylene	17.562	276	95103	11.327	ng	98

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

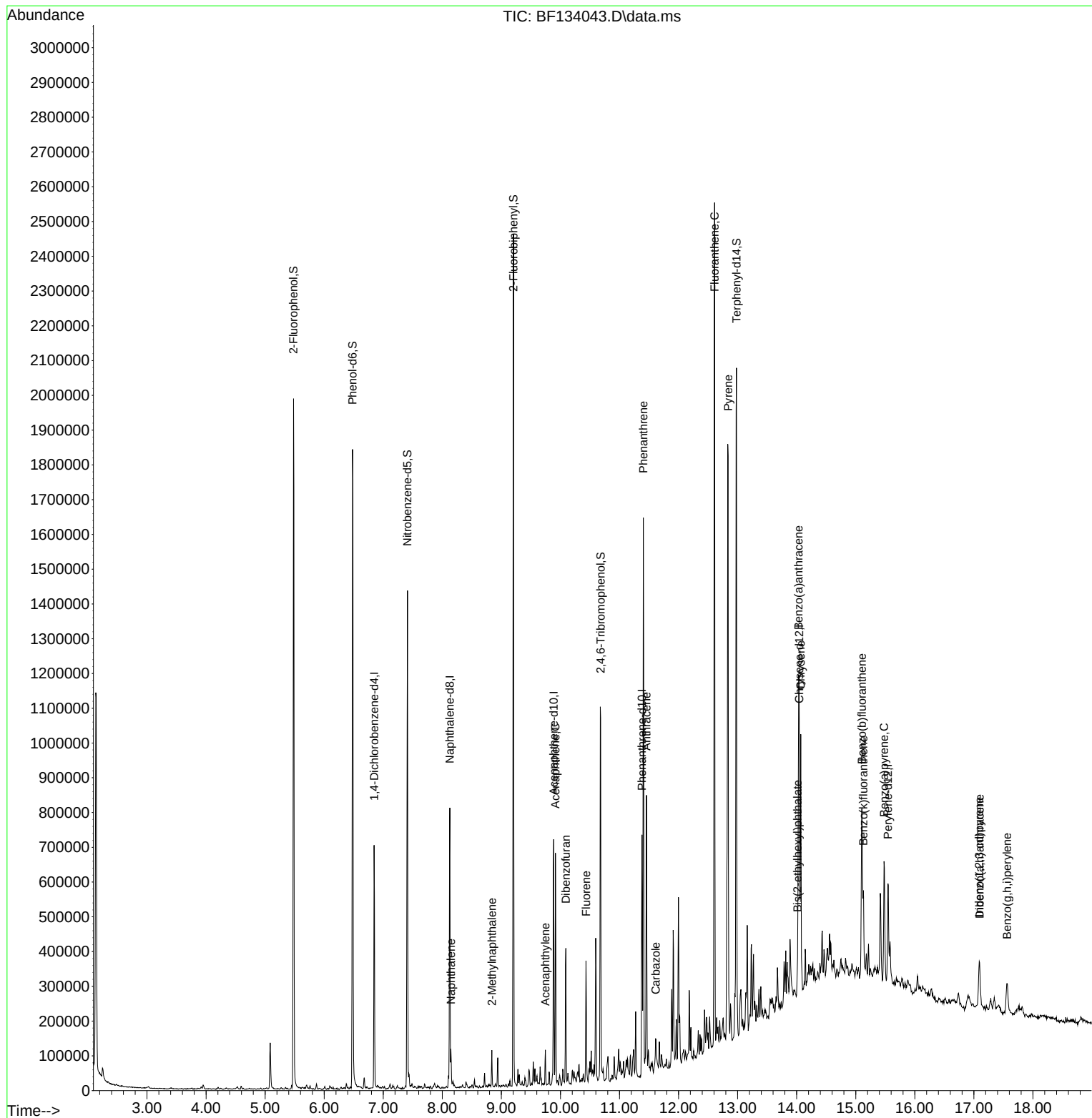
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
Data File : BF134043.D
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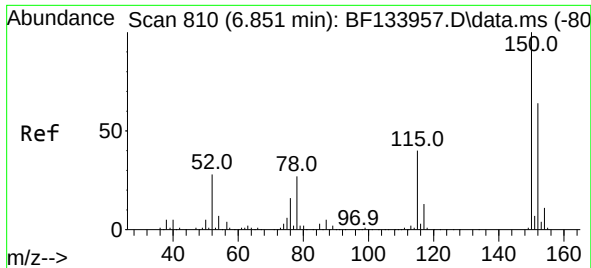
Instrument :
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Quant Time: Jun 30 05:13:02 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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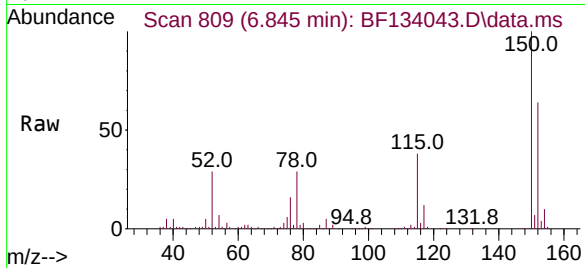
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

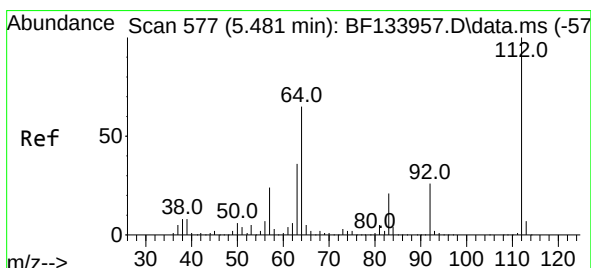
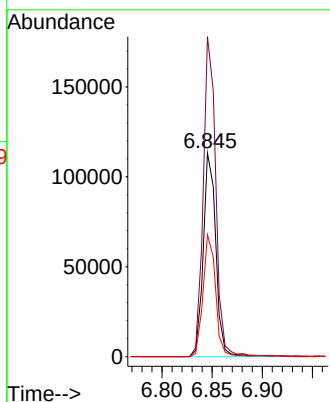
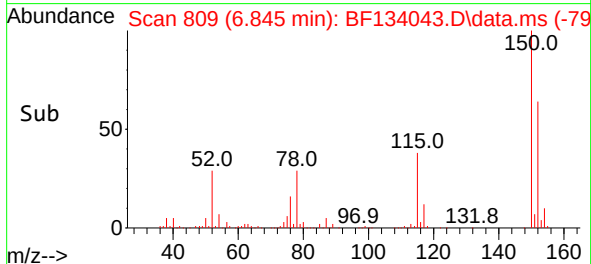
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE



Tgt Ion:152 Resp: 9962
Ion Ratio Lower Upper
152 100
150 157.1 124.5 186.7
115 59.8 50.2 75.2

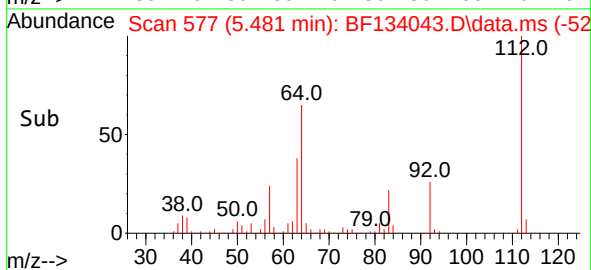
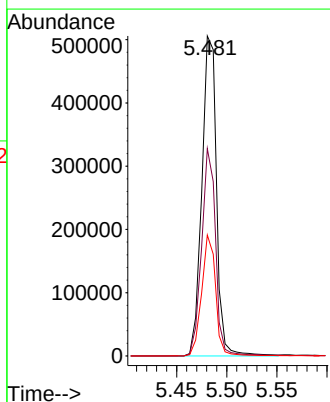
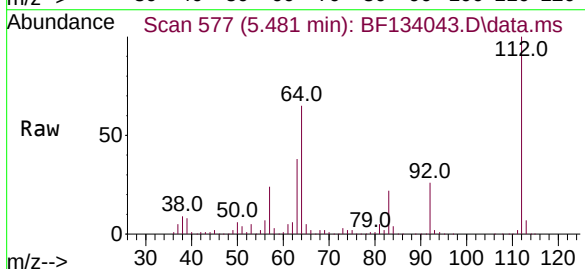
Manual Integrations
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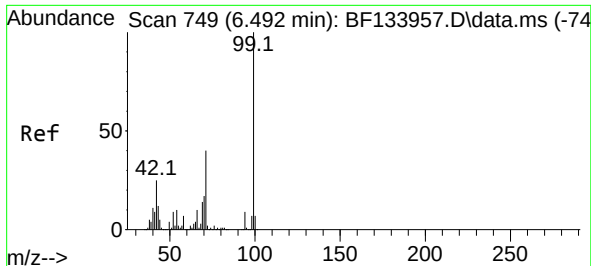
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#5
2-Fluorophenol
Concen: 86.891 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

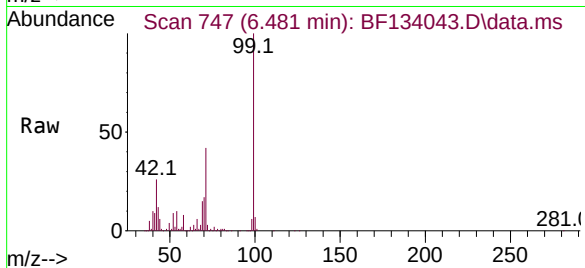
Tgt Ion:112 Resp: 517509
Ion Ratio Lower Upper
112 100
64 64.8 52.1 78.1
63 37.8 28.6 42.8





#7
Phenol-d6
Concen: 83.363 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

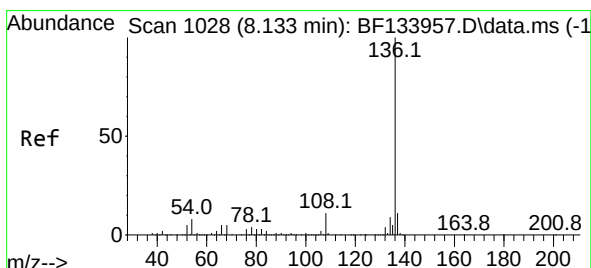
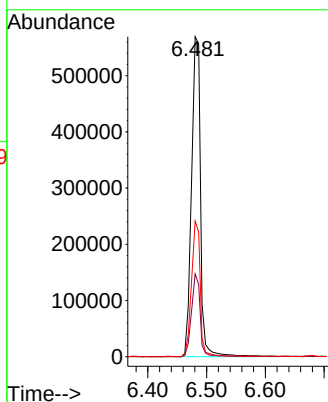
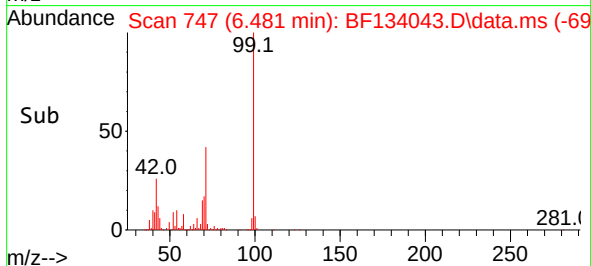
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE



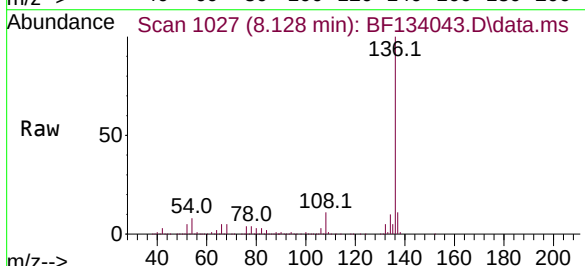
Tgt Ion: 99 Resp: 61059
Ion Ratio Lower Upper
99 100
42 25.9 19.8 29.6
71 42.4 31.9 47.9

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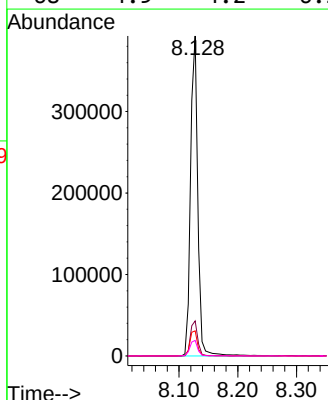
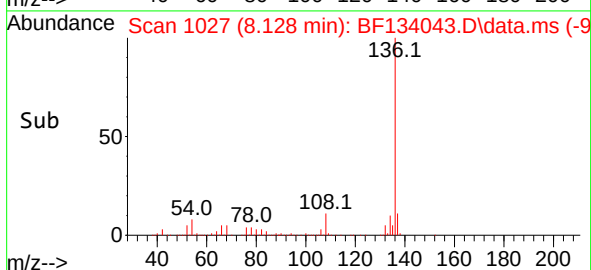
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

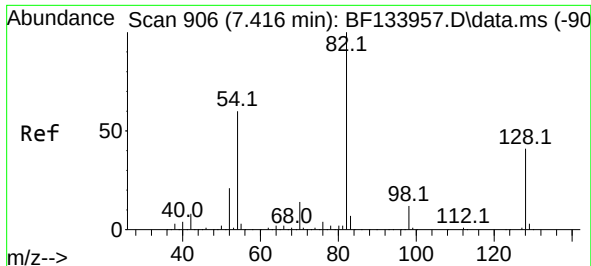


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37



Tgt Ion:136 Resp: 337314
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.8 6.5 9.7
68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 64.776 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134043.D

Acq: 29 Jun 2023 18:37

Instrument :

BNA_F

ClientSampleId :

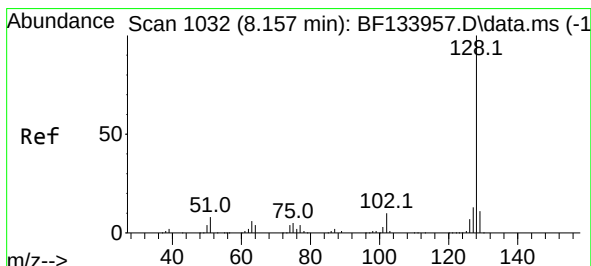
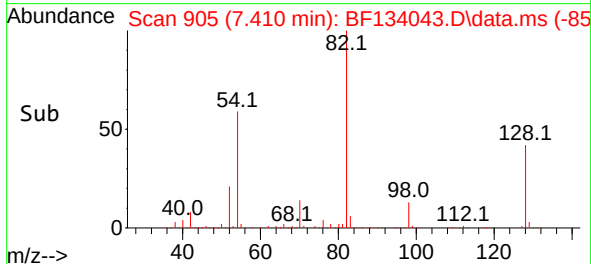
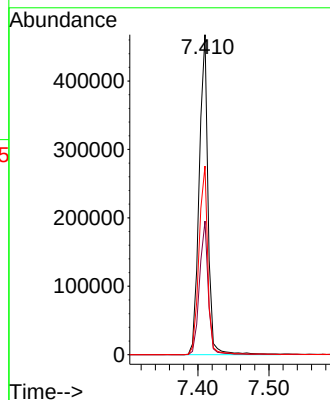
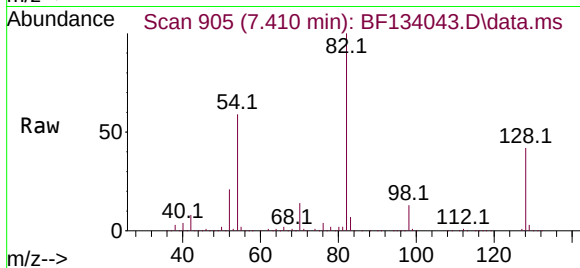
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Tgt Ion: 82 Resp: 40533
 Ion Ratio Lower Upper
 82 100
 128 41.7 32.5 48.7
 54 58.9 48.2 72.2

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Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023



#31

Naphthalene

Concen: 2.180 ng

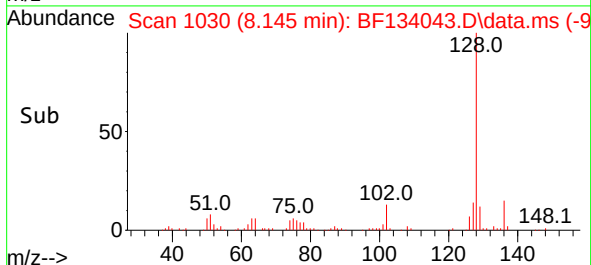
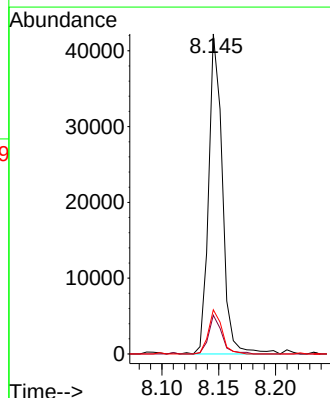
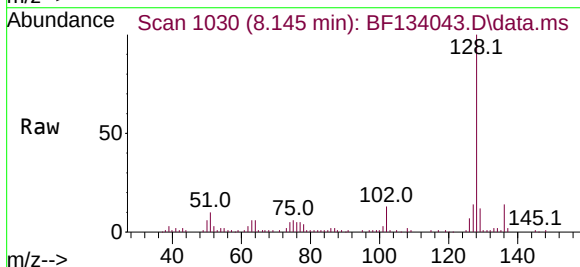
RT: 8.145 min Scan# 1030

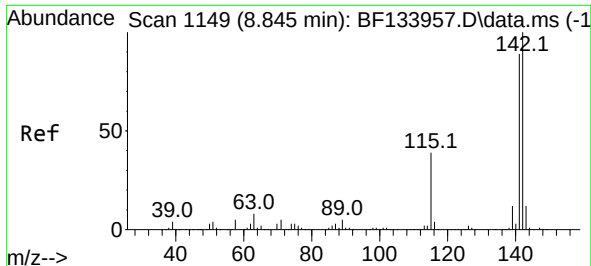
Delta R.T. -0.012 min

Lab File: BF134043.D

Acq: 29 Jun 2023 18:37

Tgt Ion:128 Resp: 35522
 Ion Ratio Lower Upper
 128 100
 129 12.1 8.7 13.1
 127 13.8 10.6 15.8





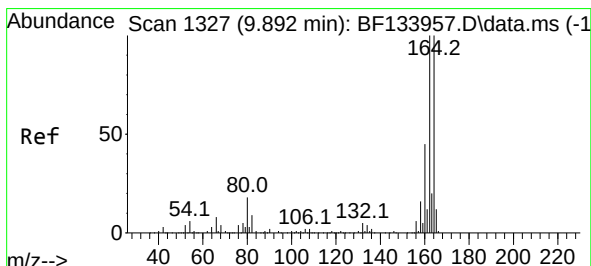
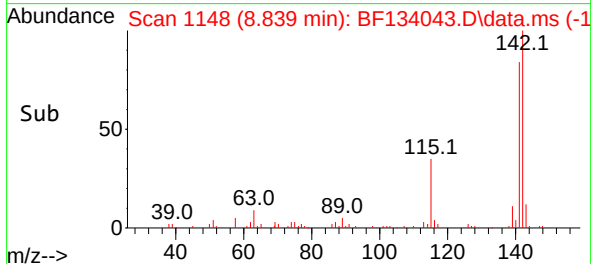
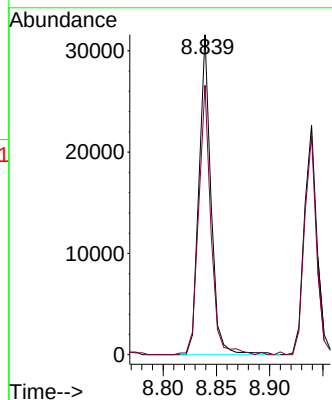
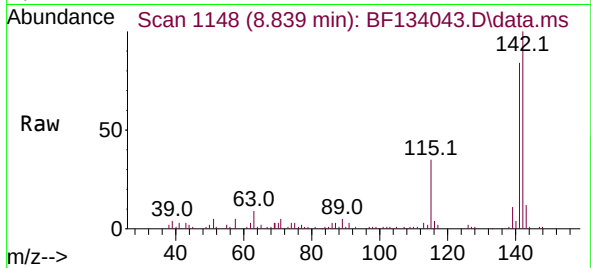
#37
2-Methylnaphthalene
Concen: 2.160 ng
RT: 8.839 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE

Tgt Ion:142 Resp: 2489
Ion Ratio Lower Upper
142 100
141 84.2 71.0 106.4

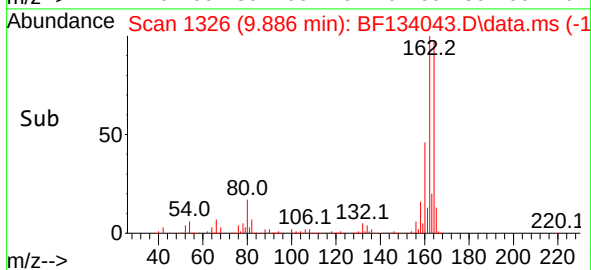
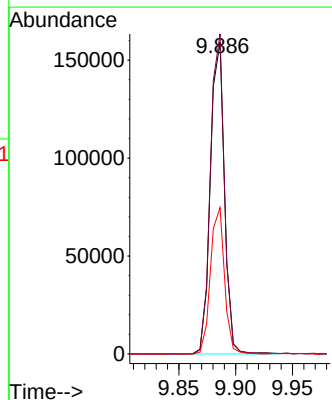
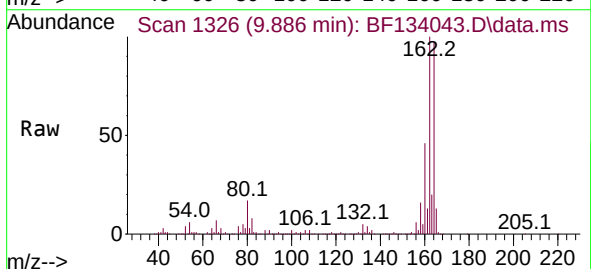
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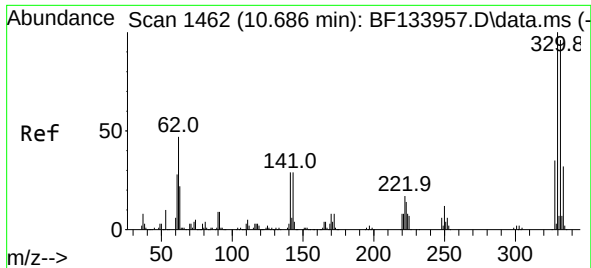
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

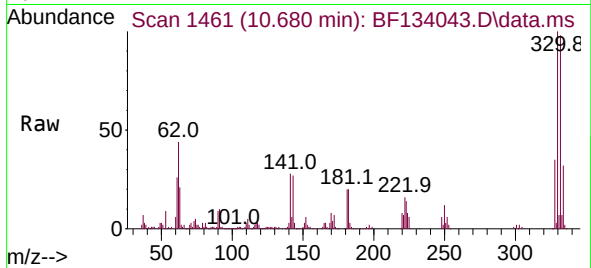
Tgt Ion:164 Resp: 137043
Ion Ratio Lower Upper
164 100
162 102.7 80.0 120.0
160 47.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 70.030 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

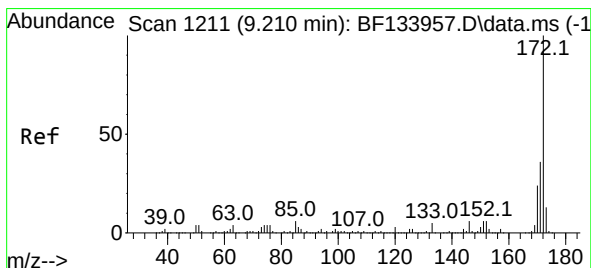
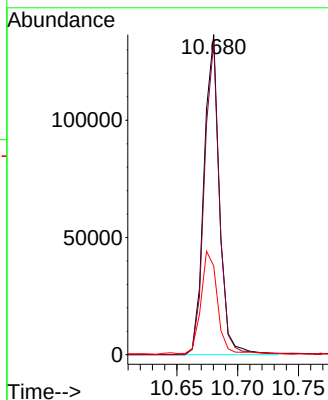
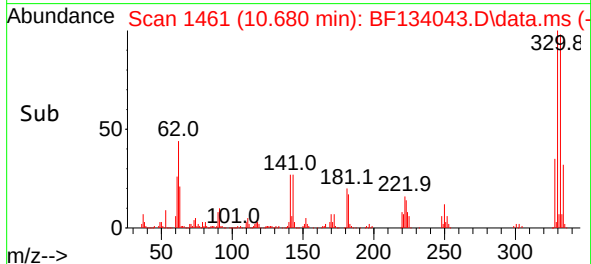
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE



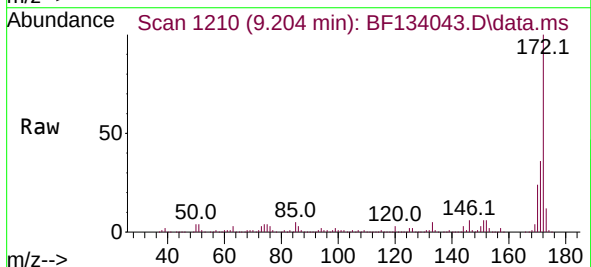
Tgt Ion:330 Resp: 120329
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 34.9 26.3 39.5

Manual Integrations
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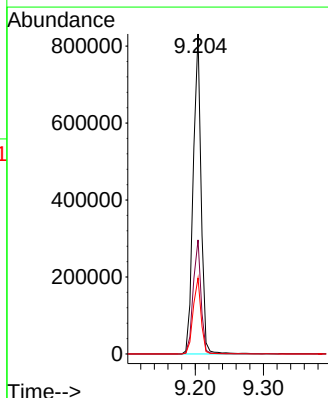
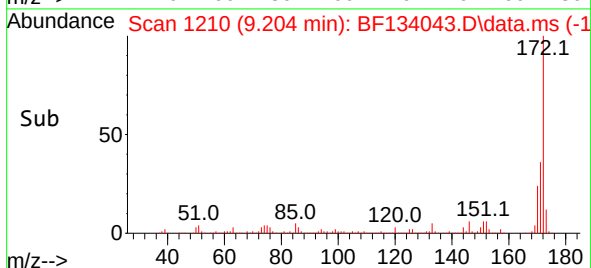
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

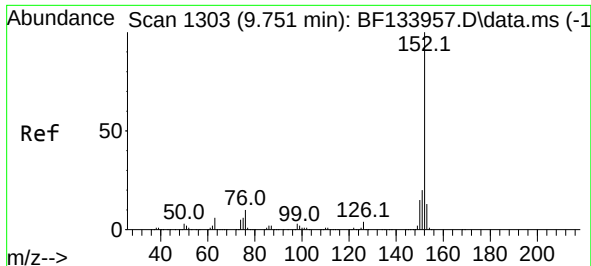


#45
2-Fluorobiphenyl
Concen: 70.301 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37



Tgt Ion:172 Resp: 662654
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.8 19.4 29.0





#49

Acenaphthylene

Concen: 2.232 ng

RT: 9.745 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134043.D

Acq: 29 Jun 2023 18:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-25RE

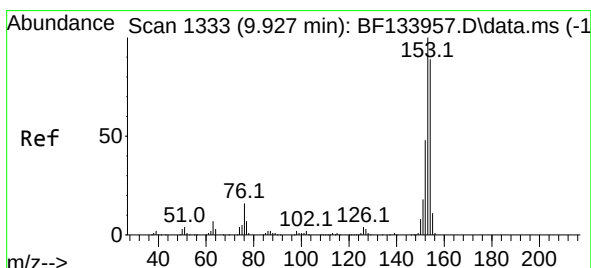
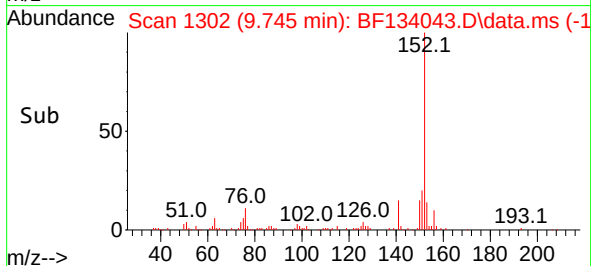
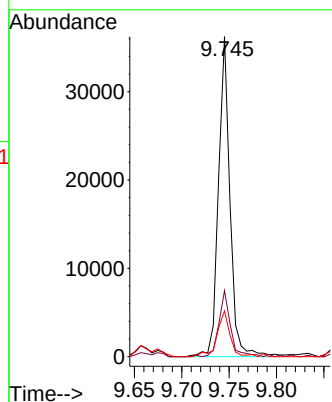
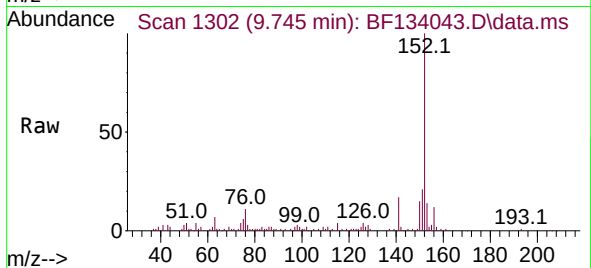
Tgt Ion:	152	Resp:	30674
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.2	24.2
153	14.3	10.8	16.2

Manual Integrations

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Supervised By :mohammad ahmed 06/30/2023



#52

Acenaphthene

Concen: 15.944 ng

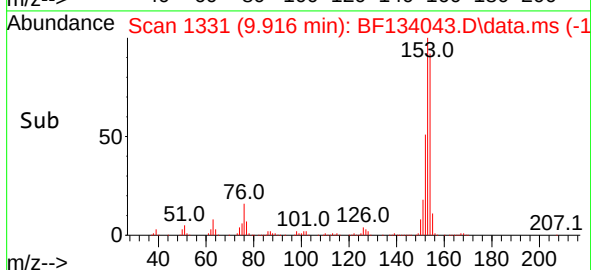
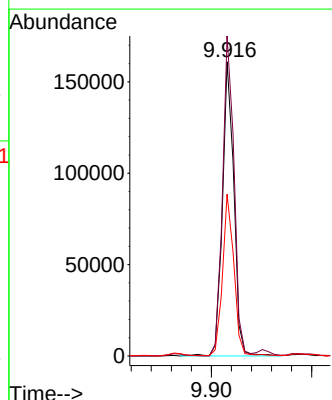
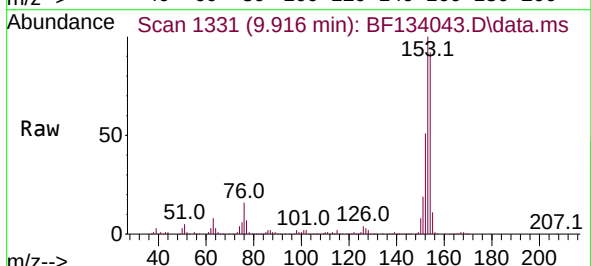
RT: 9.916 min Scan# 1331

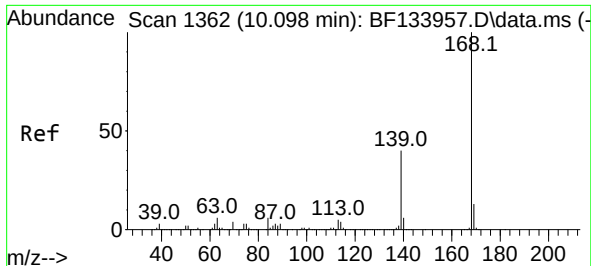
Delta R.T. -0.011 min

Lab File: BF134043.D

Acq: 29 Jun 2023 18:37

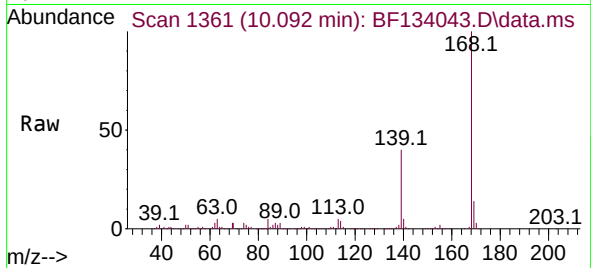
Tgt Ion:	154	Resp:	127115
Ion Ratio	Lower	Upper	
154	100		
153	108.7	89.4	134.2
152	55.0	42.8	64.2





#55
Dibenzenofuran
Concen: 10.999 ng
RT: 10.092 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

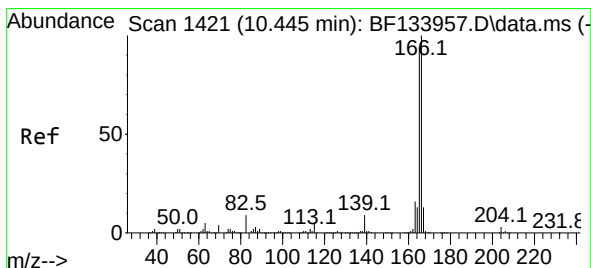
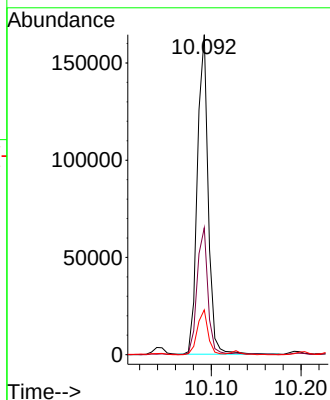
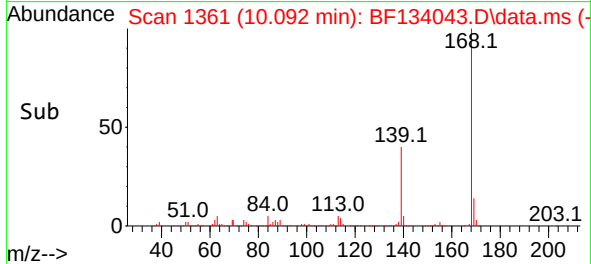
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE



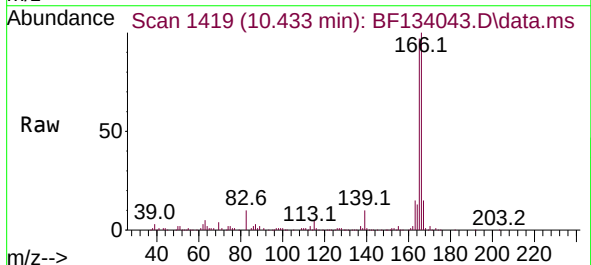
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Ion Ratio Lower Upper
168 100
139 39.6 32.0 48.0
169 14.0 10.6 16.0

Manual Integrations
APPROVED

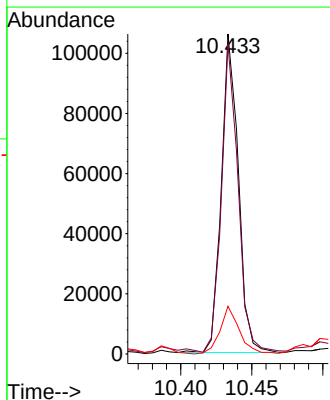
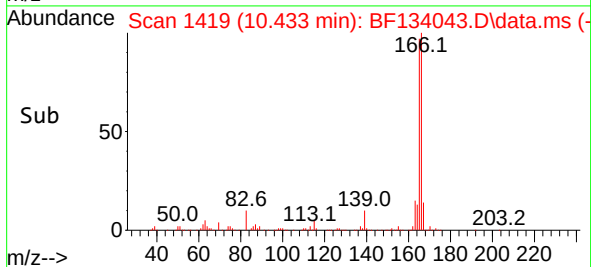
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

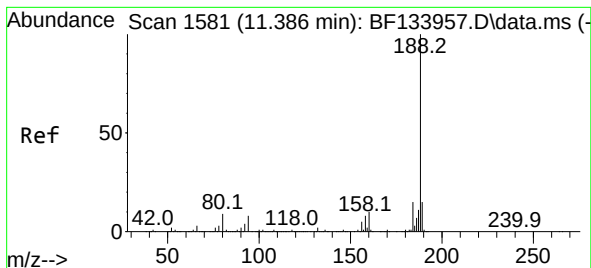


#58
Fluorene
Concen: 9.072 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37



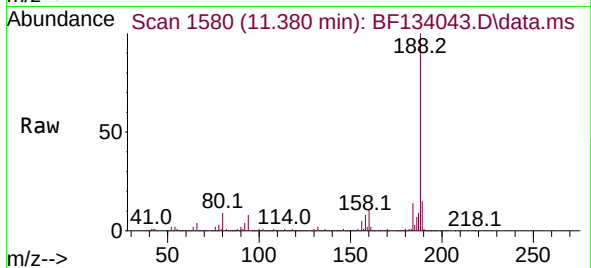
Tgt Ion:166 Resp: 87946
Ion Ratio Lower Upper
166 100
165 96.9 75.0 112.4
167 14.9 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 11380
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

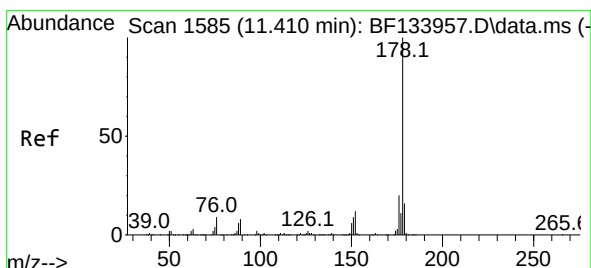
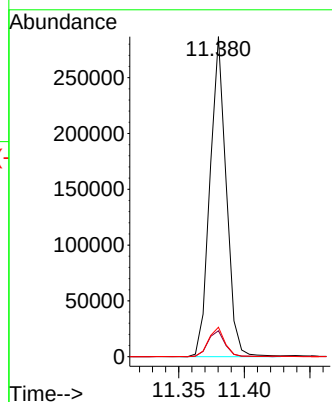
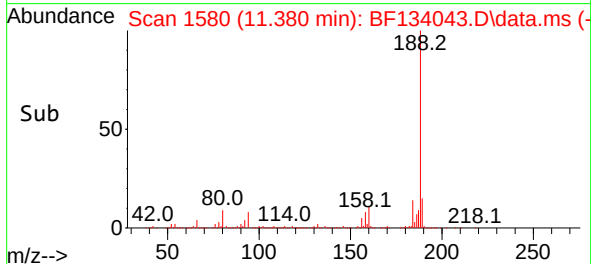
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE



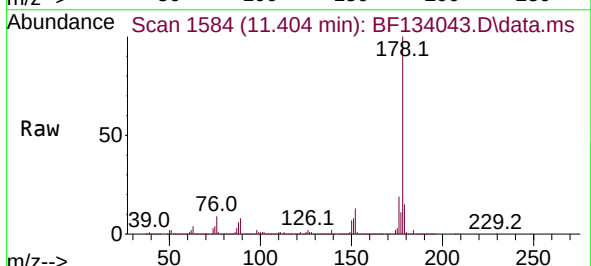
Tgt Ion:188 Resp: 247780
Ion Ratio Lower Upper
188 100
94 8.1 6.4 9.6
80 9.2 7.3 10.9

Manual Integrations
APPROVED

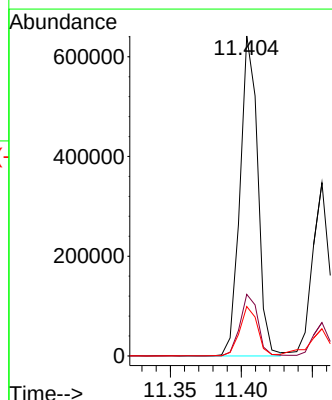
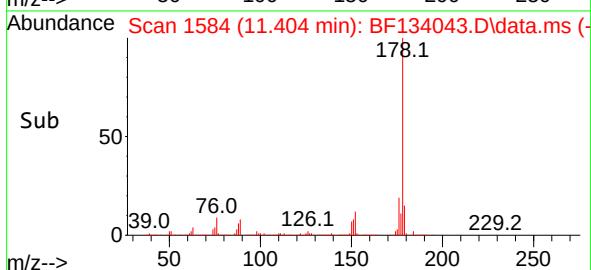
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

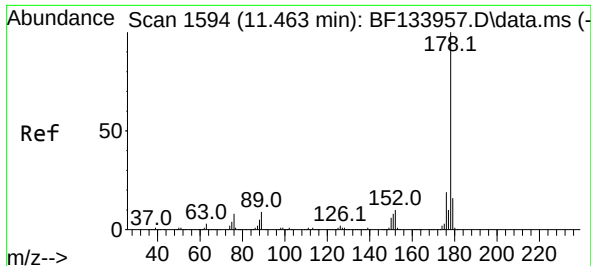


#71
Phenanthrene
Concen: 44.714 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37



Tgt Ion:178 Resp: 557757
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 12.4 18.6





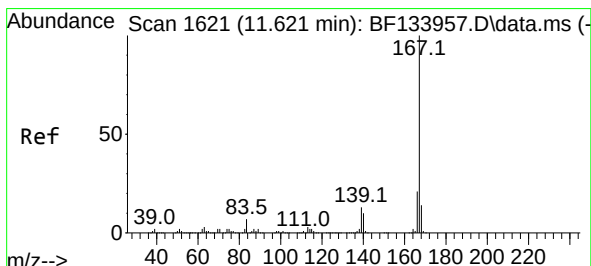
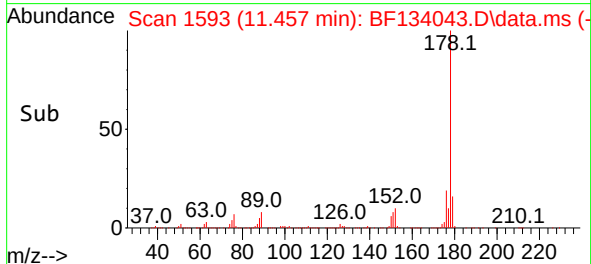
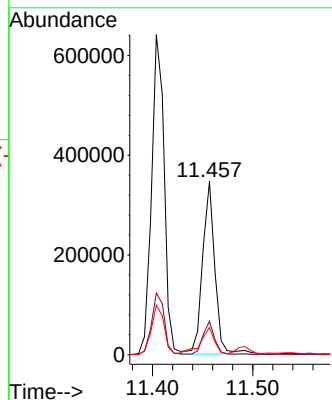
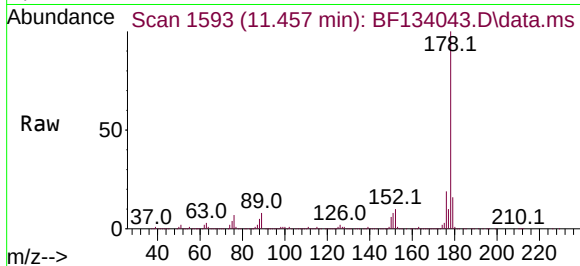
#72
 Anthracene
 Concen: 22.978 ng
 RT: 11.457 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF134043.D
 Acq: 29 Jun 2023 18:37

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-25RE

Tgt Ion:178 Resp: 29812
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.3 22.9
 179 15.7 12.4 18.6

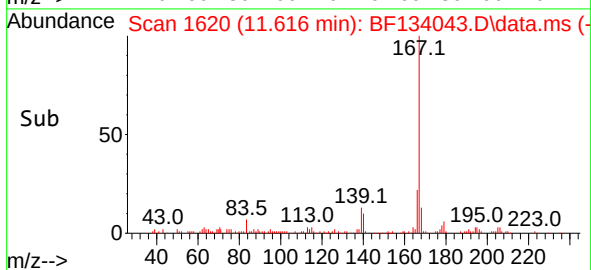
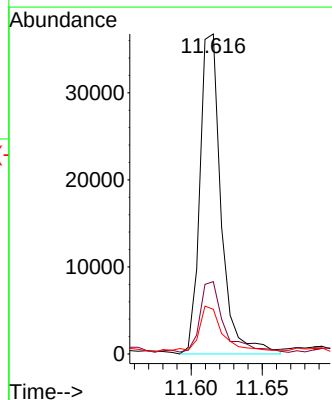
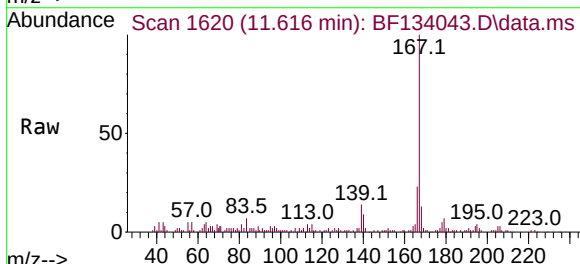
Manual Integrations
 APPROVED

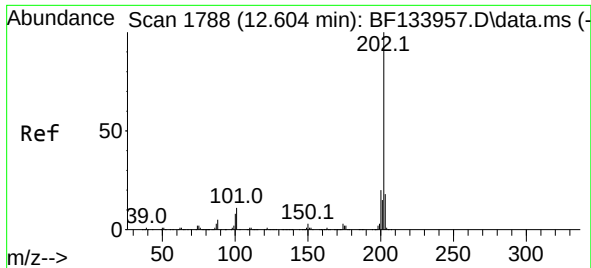
Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023



#73
 Carbazole
 Concen: 3.232 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF134043.D
 Acq: 29 Jun 2023 18:37

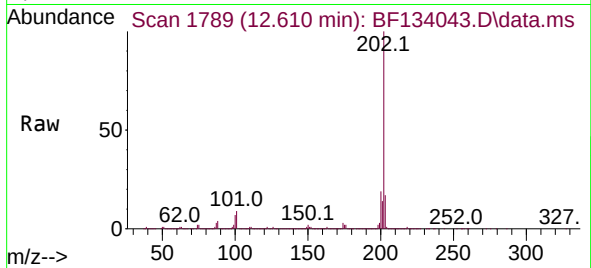
Tgt Ion:167 Resp: 38384
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.0 25.6
 139 13.9 10.4 15.6





#75
Fluoranthene
Concen: 75.291 ng
RT: 12.610 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

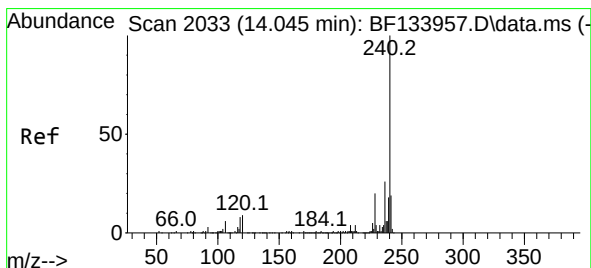
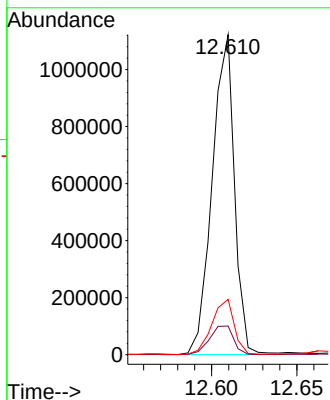
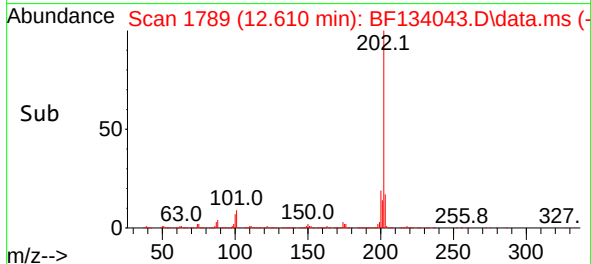
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE



Tgt Ion:202 Resp: 1015334
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.0
203 17.3 0.0 37.6

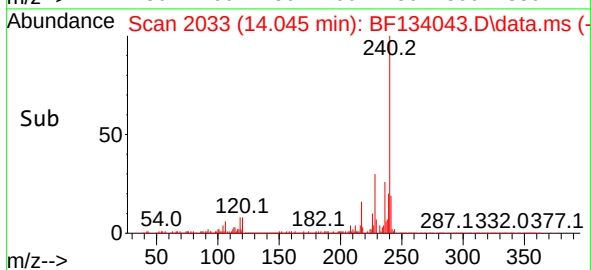
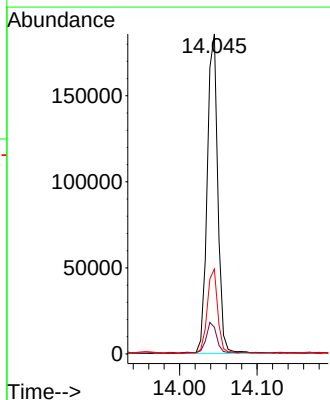
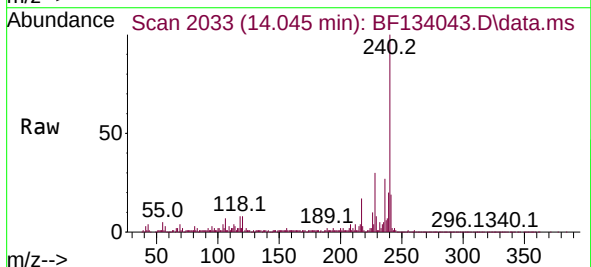
Manual Integrations
APPROVED

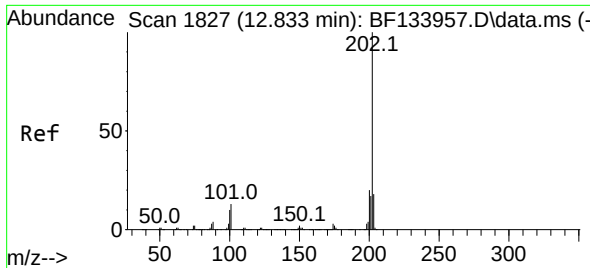
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

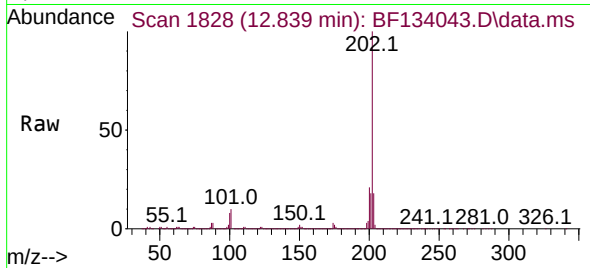
Tgt Ion:240 Resp: 176315
Ion Ratio Lower Upper
240 100
120 8.4 7.4 11.0
236 26.5 21.0 31.6





#78
Pyrene
Concen: 50.615 ng
RT: 12.839 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

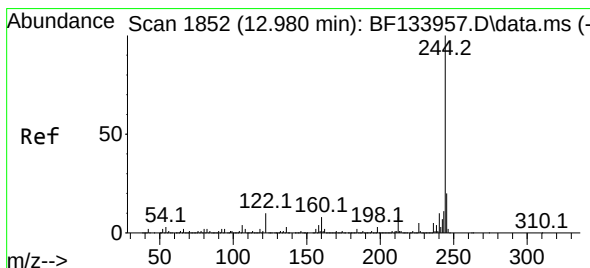
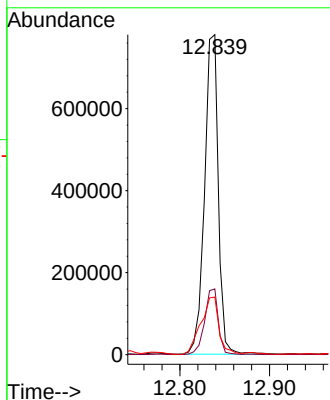
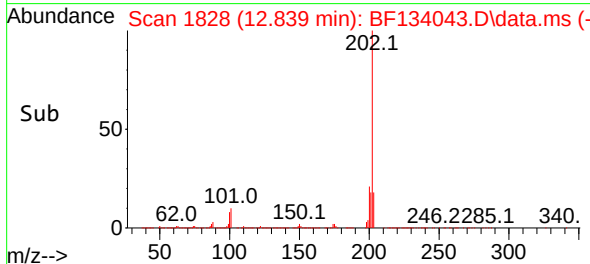
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE



Tgt Ion:202 Resp: 830519
Ion Ratio Lower Upper
202 100
200 20.6 16.1 24.1
203 18.0 14.3 21.5

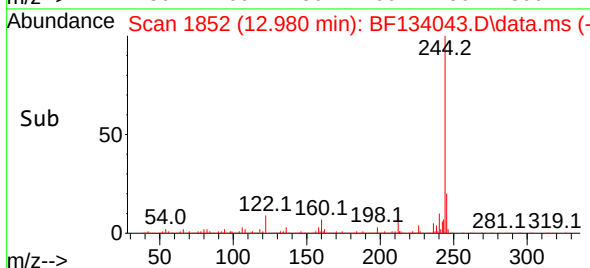
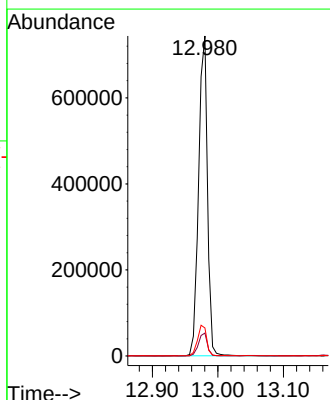
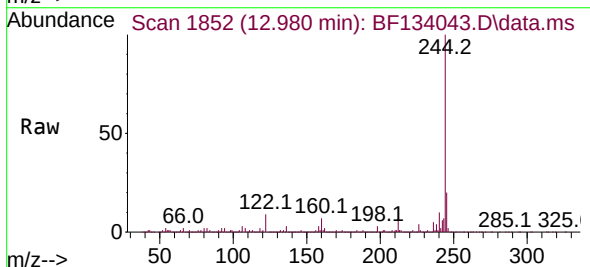
Manual Integrations
APPROVED

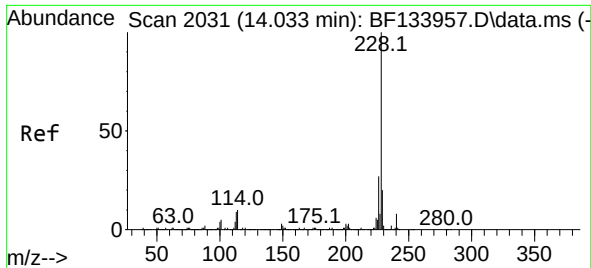
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#79
Terphenyl-d14
Concen: 63.820 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

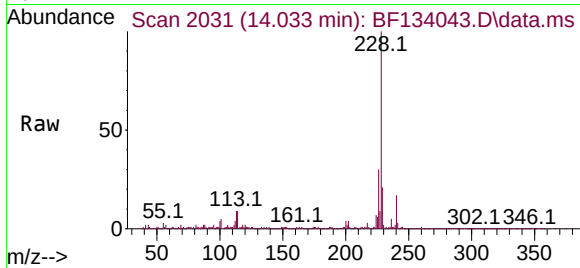
Tgt Ion:244 Resp: 699159
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 8.8 8.3 12.5





#81
Benzo(a)anthracene
Concen: 25.774 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

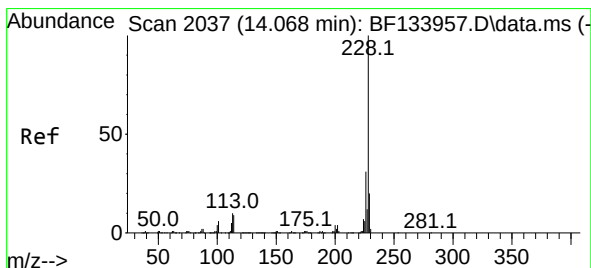
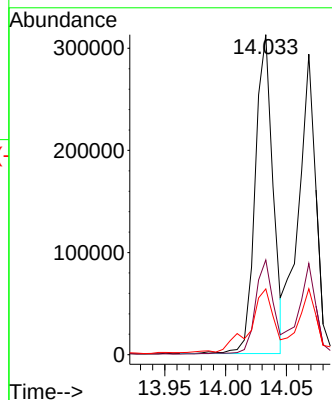
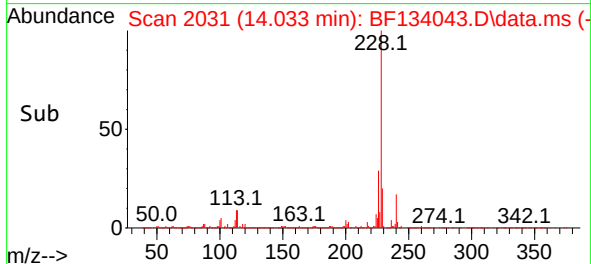
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE



Tgt Ion:228 Resp: 31515
Ion Ratio Lower Upper
228 100
226 29.6 22.0 33.0
229 20.5 16.3 24.5

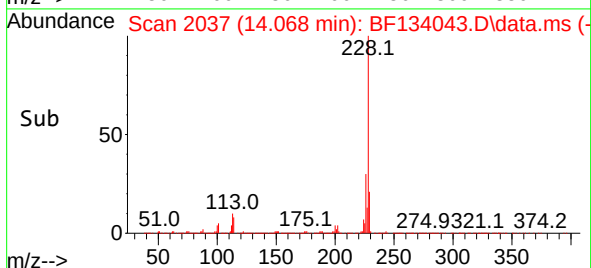
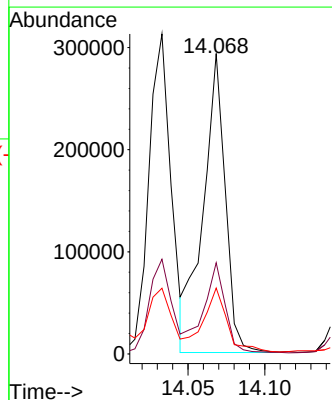
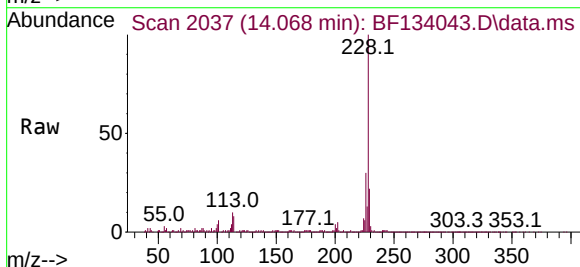
Manual Integrations
APPROVED

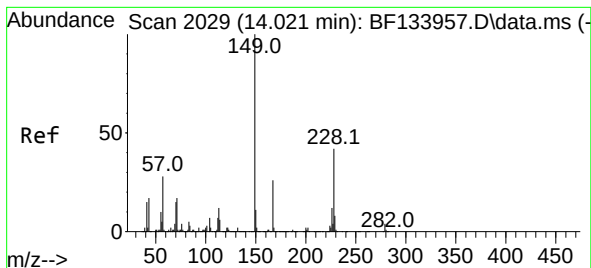
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#83
Chrysene
Concen: 24.846 ng m
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

Tgt Ion:228 Resp: 294258
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.9 16.1 24.1





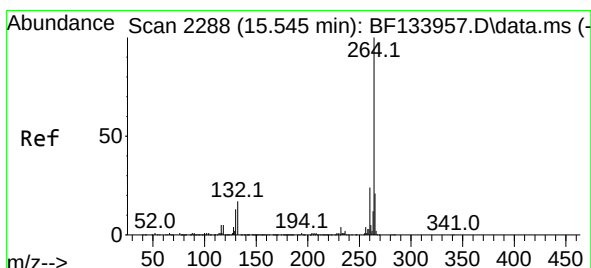
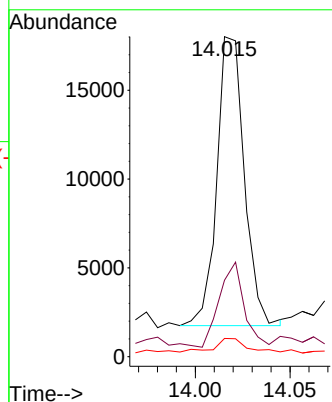
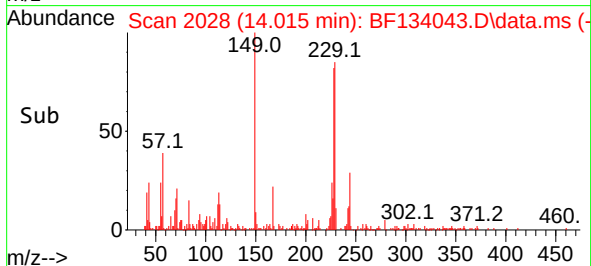
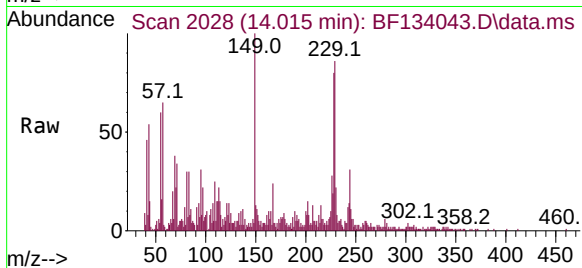
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.325 ng
RT: 14.015 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE

Tgt Ion:149 Resp: 1644
Ion Ratio Lower Upper
149 100
167 23.9 21.0 31.4
279 5.7 3.3 4.9

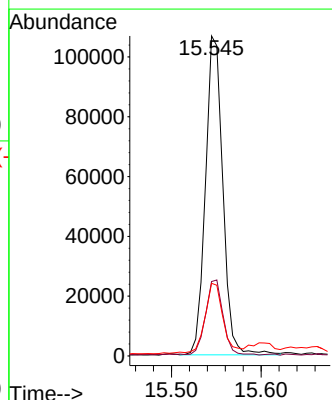
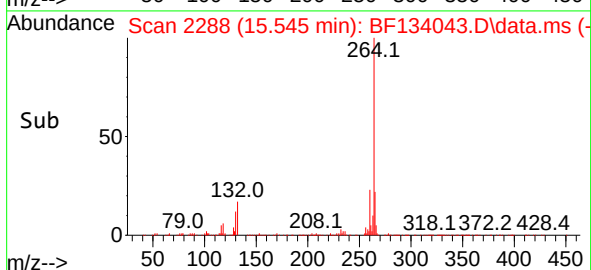
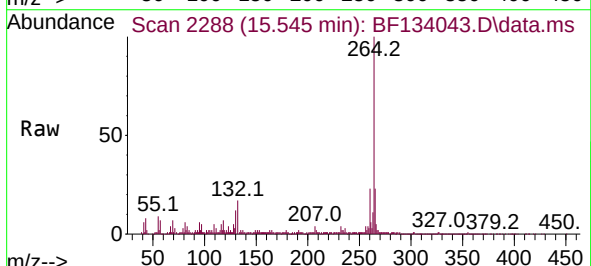
Manual Integrations
APPROVED

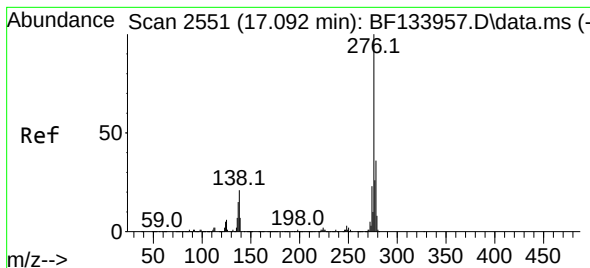
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

Tgt Ion:264 Resp: 143649
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 22.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.470 ng

RT: 17.092 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134043.D

Acq: 29 Jun 2023 18:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-25RE

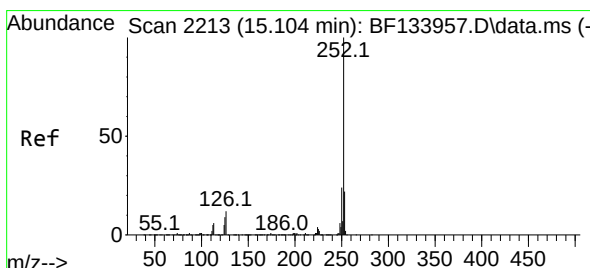
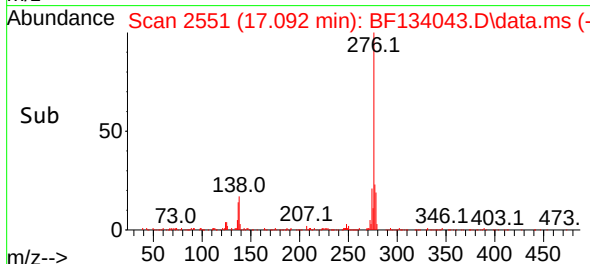
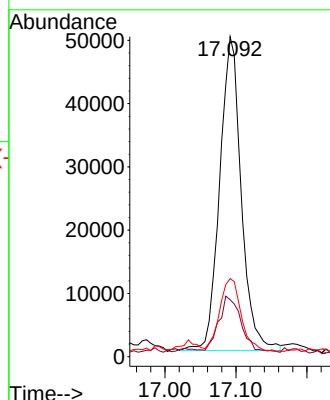
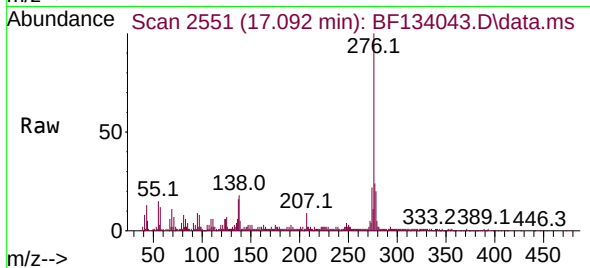
Tgt Ion:	276	Resp:	104364
Ion Ratio	Lower	Upper	
276	100		
138	19.9	18.7	28.1
277	23.5	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#88

Benzo(b)fluoranthene

Concen: 33.705 ng m

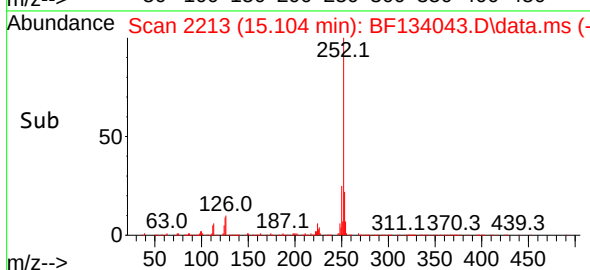
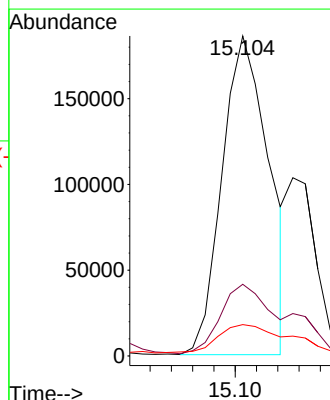
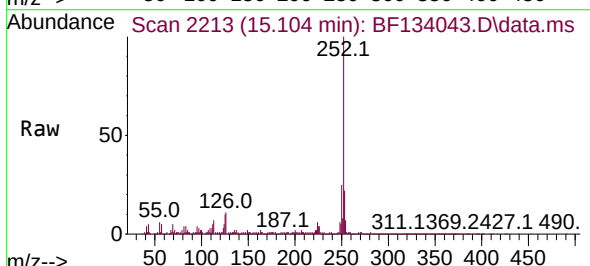
RT: 15.104 min Scan# 2213

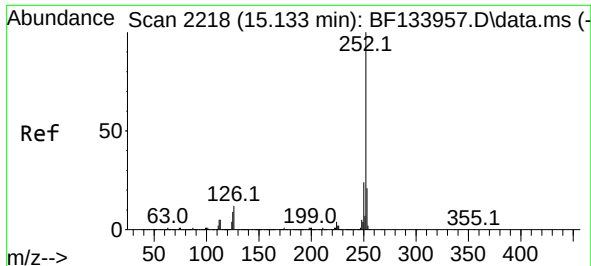
Delta R.T. 0.000 min

Lab File: BF134043.D

Acq: 29 Jun 2023 18:37

Tgt Ion:	252	Resp:	284699
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	9.8	7.1	10.7





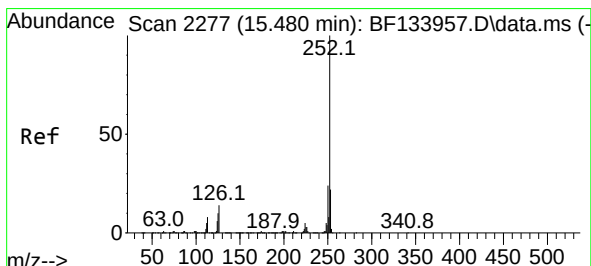
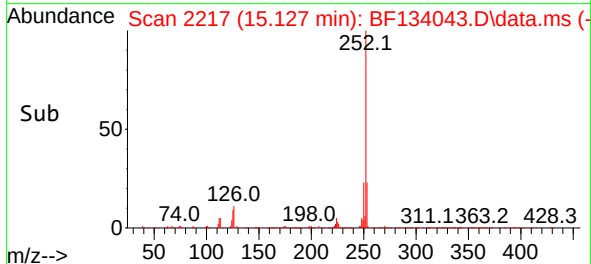
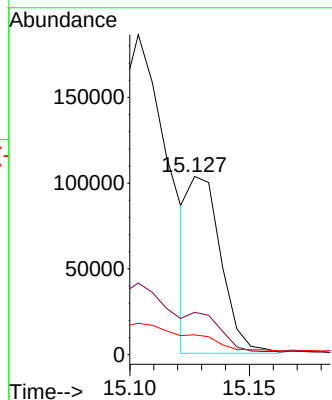
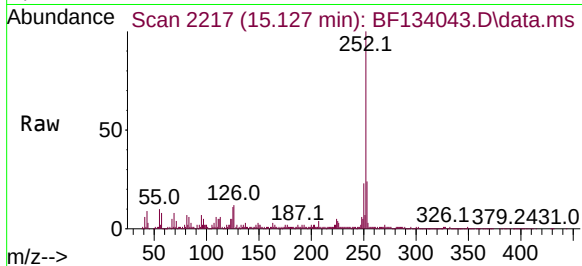
#89
Benzo(k)fluoranthene
Concen: 11.244 ng m
RT: 15.127 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-25RE

Tgt Ion:252 Resp: 9669
Ion Ratio Lower Upper
252 100
253 23.8 16.9 25.3
125 11.2 7.4 11.2

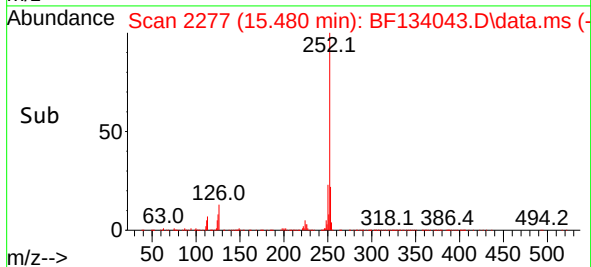
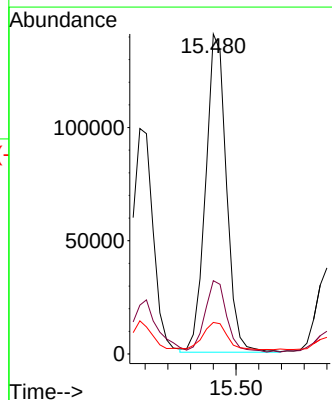
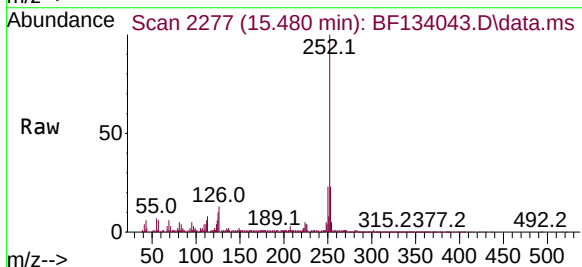
Manual Integrations
APPROVED

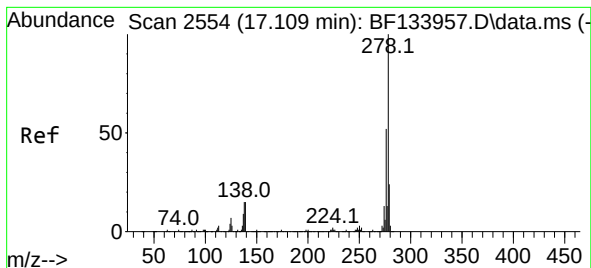
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#90
Benzo(a)pyrene
Concen: 21.874 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF134043.D
Acq: 29 Jun 2023 18:37

Tgt Ion:252 Resp: 178667
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 9.9 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 3.309 ng m

RT: 17.098 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134043.D

Acq: 29 Jun 2023 18:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-25RE

Tgt Ion:278 Resp: 26944

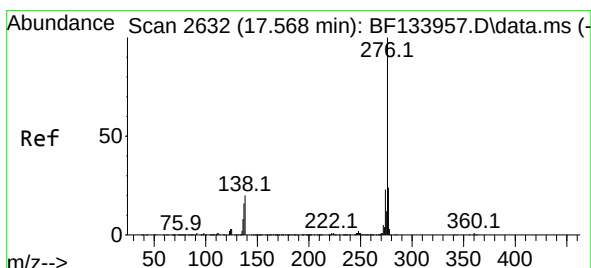
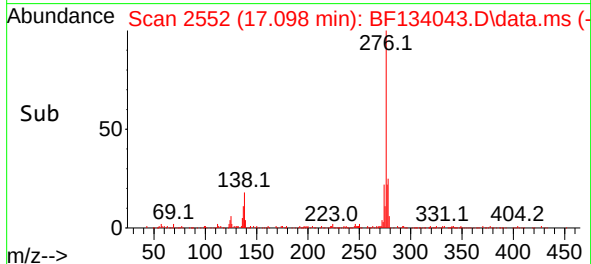
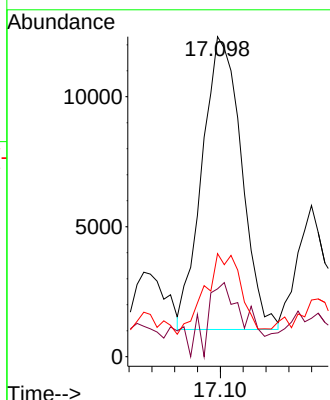
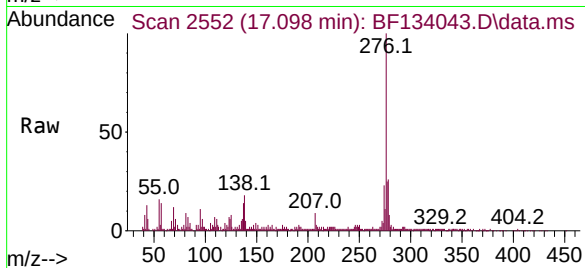
Ion	Ratio	Lower	Upper
278	100		
139	21.2	12.2	18.4
279	32.2	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#92

Benzo(g,h,i)perylene

Concen: 11.327 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134043.D

Acq: 29 Jun 2023 18:37

Tgt Ion:276 Resp: 95103

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.6
138	21.0	16.2	24.2

