

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133858.D
 Acq On : 20 Jun 2023 16:08
 Operator : CG\JU
 Sample : 03223-19RE 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-03RE

Quant Time: Jun 21 00:12:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	71736	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	242999	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	102006	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	208032	20.000	ng	0.00
76) Chrysene-d12	14.045	240	191907	20.000	ng	0.00
86) Perylene-d12	15.551	264	136018	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	196512	47.690	ng	0.00
7) Phenol-d6	6.487	99	214406	39.974	ng	0.00
23) Nitrobenzene-d5	7.416	82	141153	31.639	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	58156	45.040	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	262568	36.590	ng	0.00
79) Terphenyl-d14	12.980	244	332256	26.790	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	74644	7.072	ng	99
75) Fluoranthene	12.610	202	179685	16.032	ng	98
78) Pyrene	12.839	202	168417	9.421	ng	99
81) Benzo(a)anthracene	14.033	228	98952	7.454	ng	98
83) Chrysene	14.068	228	88296	7.033	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	35357	3.805	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	34369	3.673	ng	# 93
88) Benzo(b)fluoranthene	15.104	252	102246m	12.375	ng	
89) Benzo(k)fluoranthene	15.133	252	28302m	3.516	ng	
90) Benzo(a)pyrene	15.486	252	58368	7.612	ng	# 96
92) Benzo(g,h,i)perylene	17.568	276	34621	4.507	ng	97

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

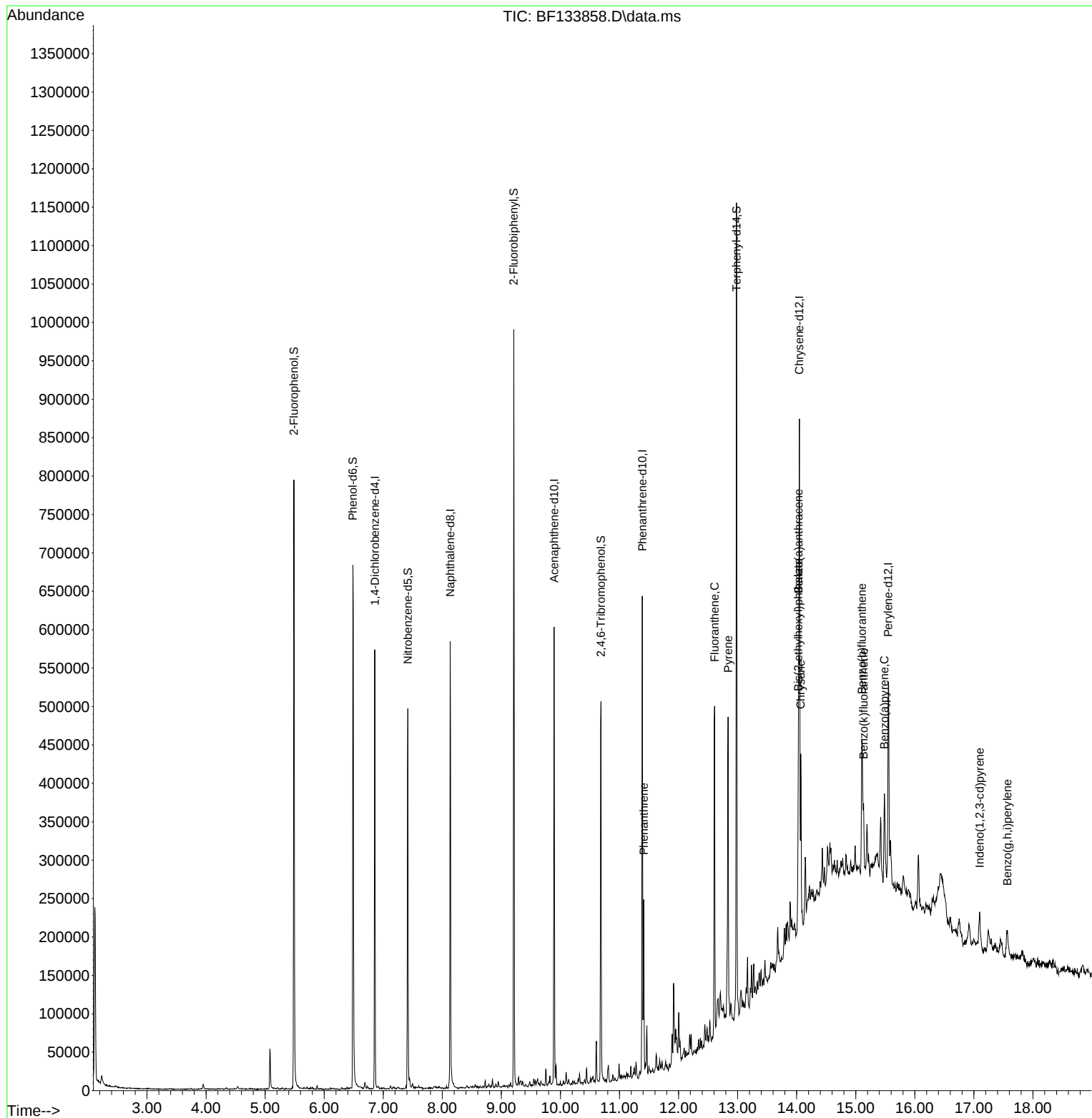
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
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ALS Vial : 16 Sample Multiplier: 1

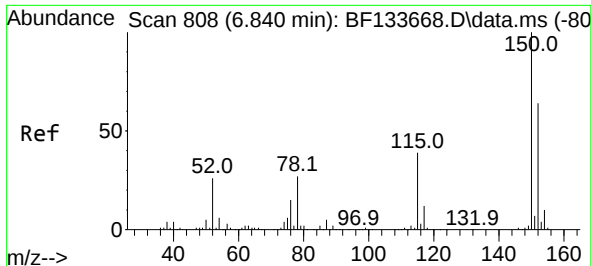
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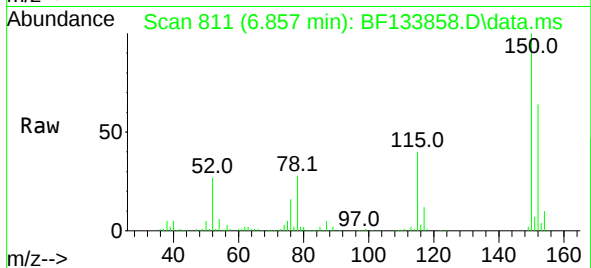
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

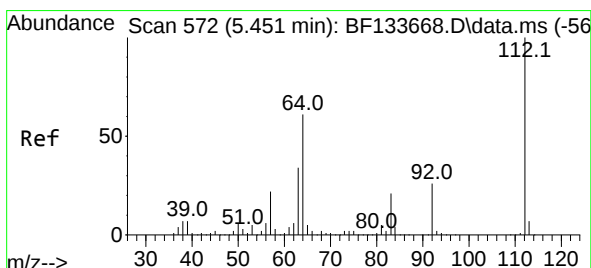
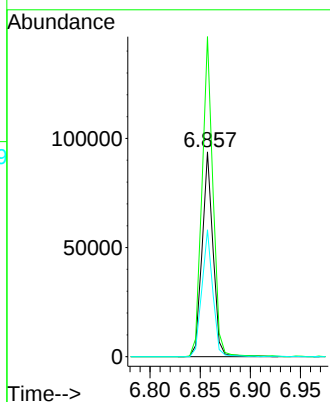
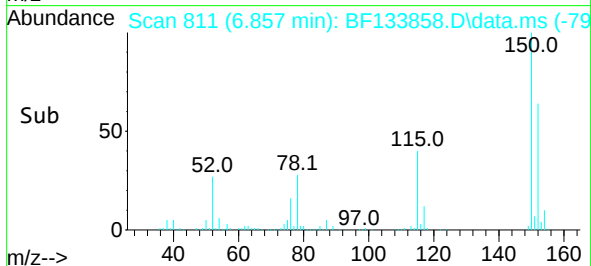
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03RE



Tgt Ion:152 Resp: 71730
Ion Ratio Lower Upper
152 100
150 156.2 124.3 186.5
115 61.9 48.5 72.7

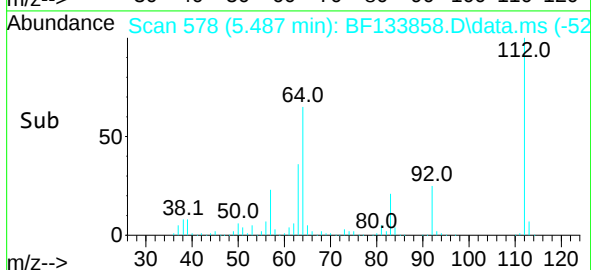
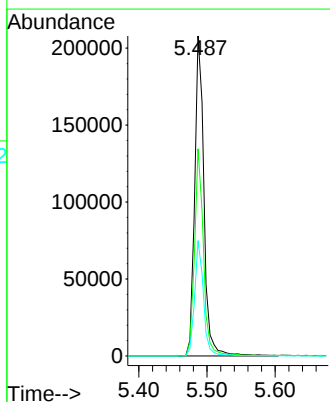
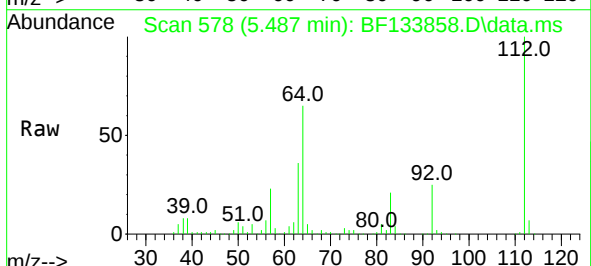
Manual Integrations
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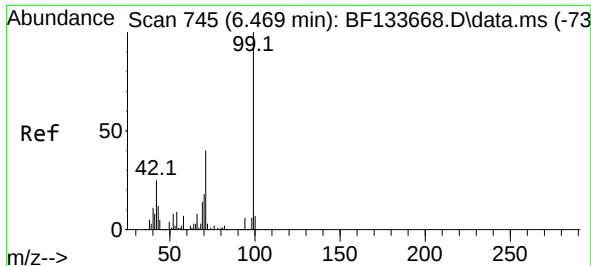
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#5
2-Fluorophenol
Concen: 47.690 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

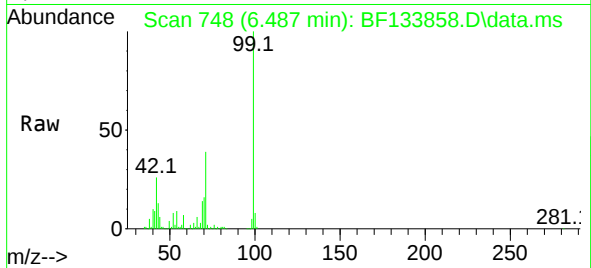
Tgt Ion:112 Resp: 196512
Ion Ratio Lower Upper
112 100
64 64.7 49.0 73.4
63 36.0 26.8 40.2





#7
Phenol-d6
Concen: 39.974 ng
RT: 6.487 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

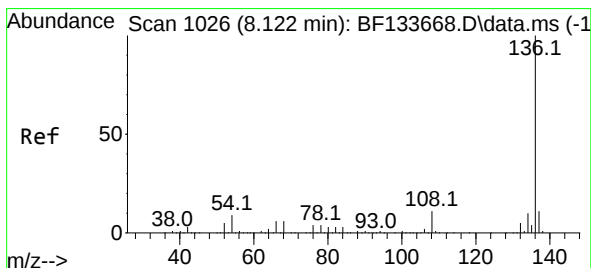
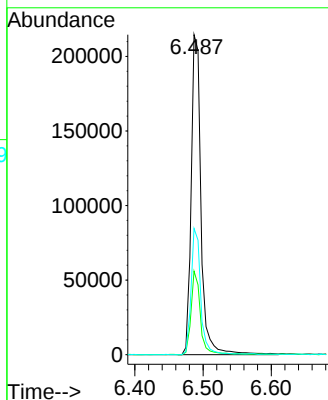
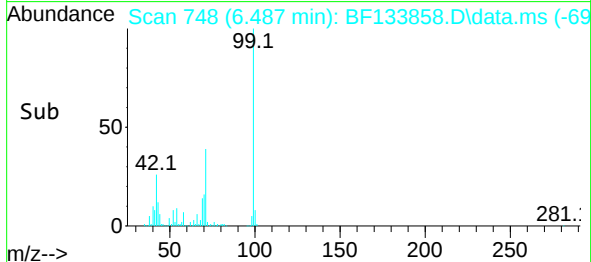
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03RE



Tgt Ion: 99 Resp: 214400
Ion Ratio Lower Upper
99 100
42 26.1 19.9 29.9
71 39.4 32.2 48.4

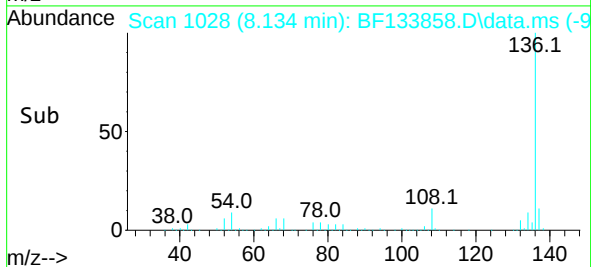
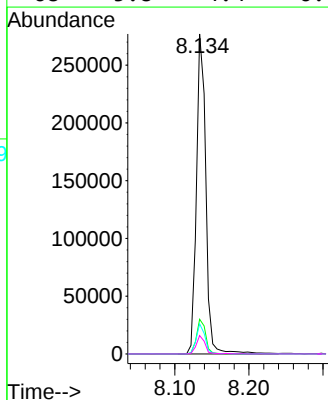
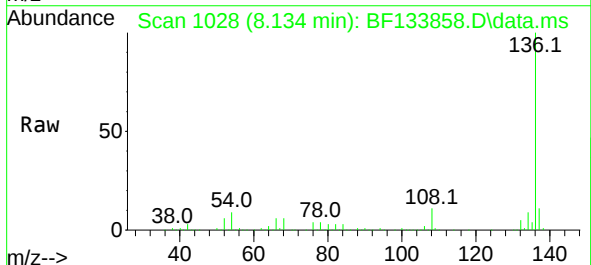
Manual Integrations
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Supervised By :mohammad ahmed 06/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

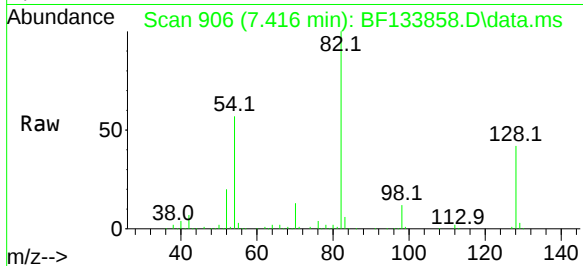
Tgt Ion:136 Resp: 242999
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.4 7.4 11.0
68 5.8 4.4 6.6





#23
Nitrobenzene-d5
Concen: 31.639 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

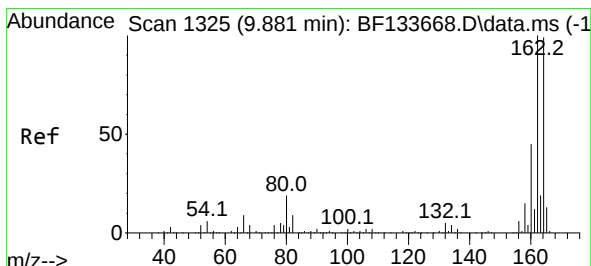
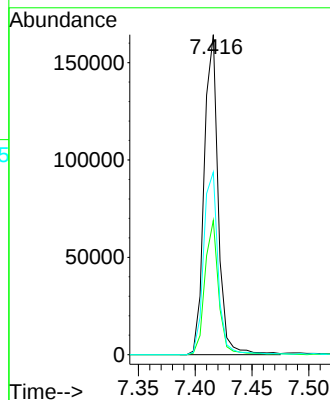
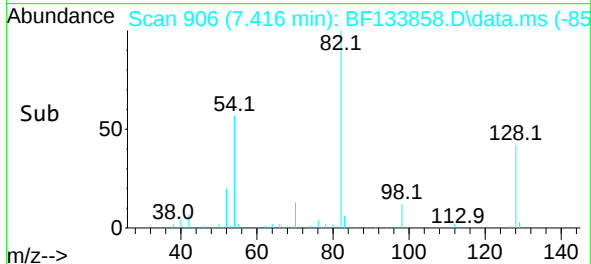
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03RE



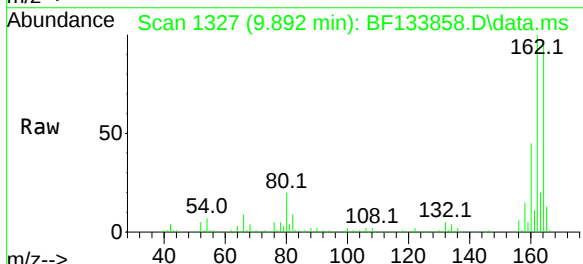
Tgt Ion: 82 Resp: 14115
Ion Ratio Lower Upper
82 100
128 41.9 34.2 51.2
54 57.0 46.5 69.7

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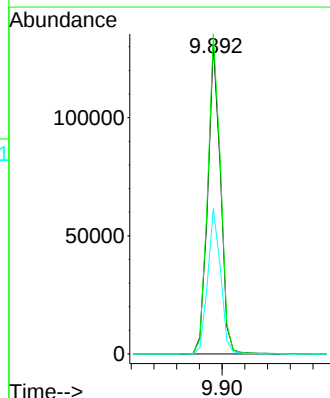
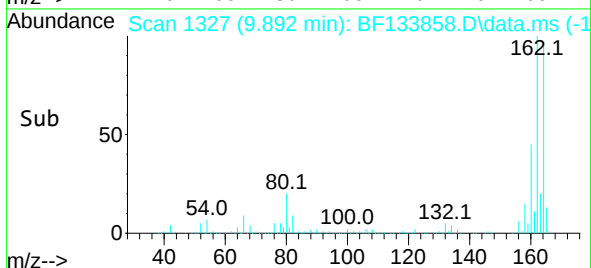
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08



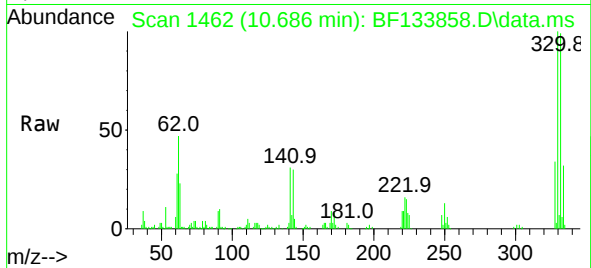
Tgt Ion:164 Resp: 102006
Ion Ratio Lower Upper
164 100
162 103.2 80.8 121.2
160 46.9 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 45.040 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

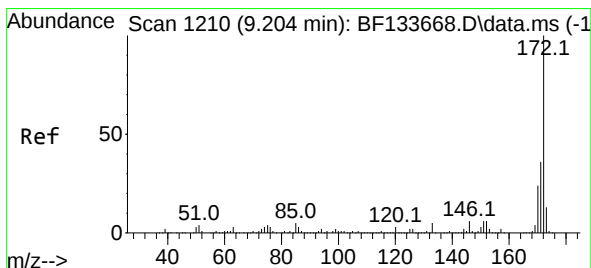
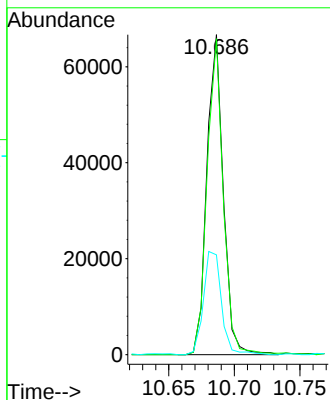
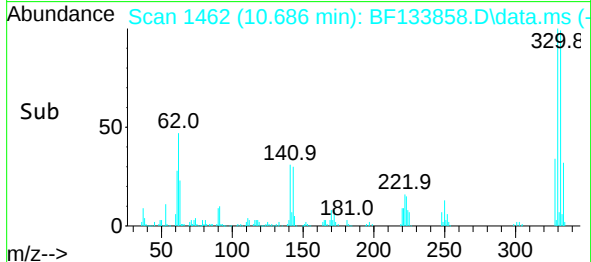
Instrument :
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ClientSampleId :
COMPOSIT-SB-03RE



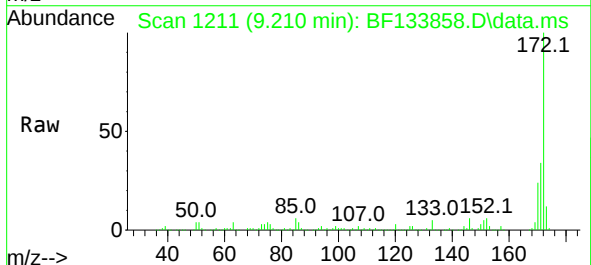
Tgt Ion: 330 Resp: 58150
Ion Ratio Lower Upper
330 100
332 97.9 77.2 115.8
141 35.5 24.9 37.3

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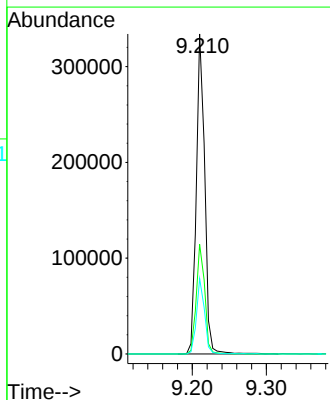
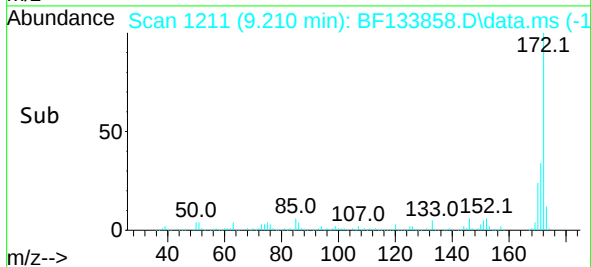
Reviewed By : Yogesh Patel 06/21/2023
Supervised By : mohammad ahmed 06/21/2023



#45
2-Fluorobiphenyl
Concen: 36.590 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08



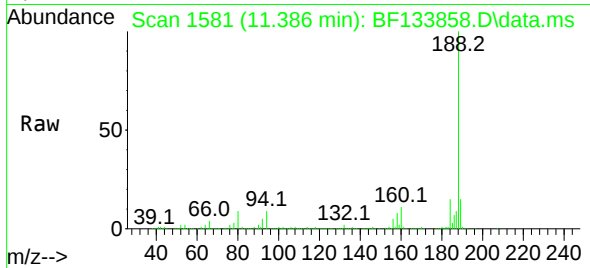
Tgt Ion: 172 Resp: 262568
Ion Ratio Lower Upper
172 100
171 34.2 28.6 43.0
170 23.6 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

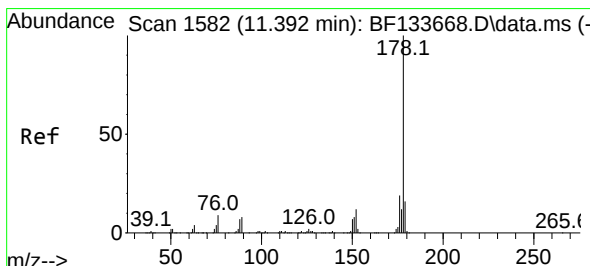
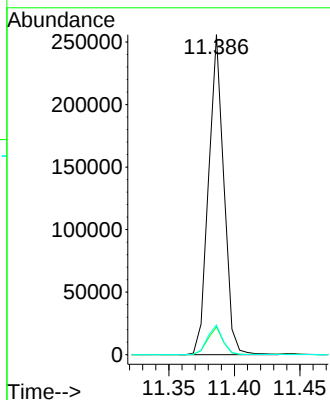
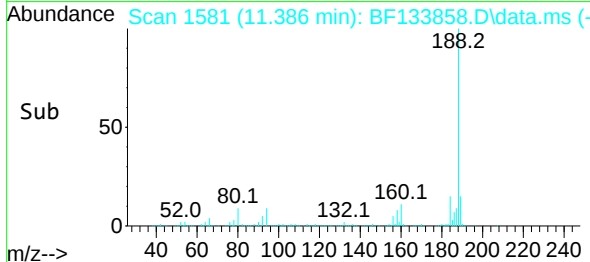
Instrument :
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ClientSampleId :
COMPOSIT-SB-03RE



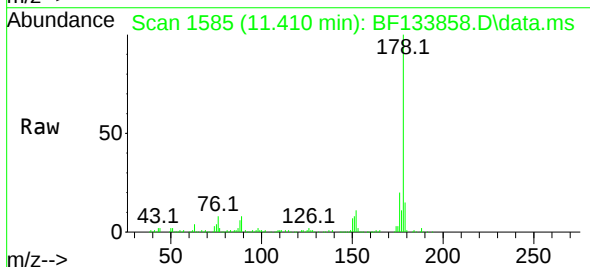
Tgt Ion:188 Resp: 20803
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.3 7.8 11.6

Manual Integrations
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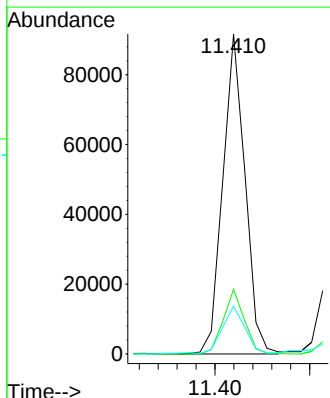
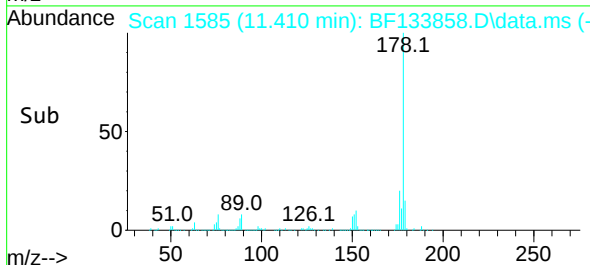
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

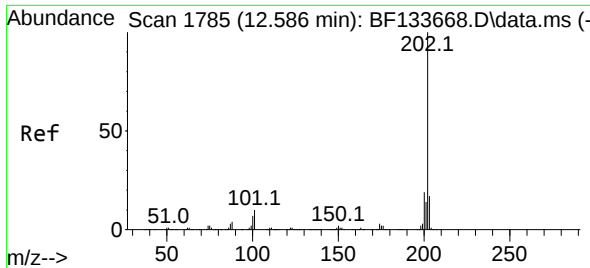


#71
Phenanthrene
Concen: 7.072 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08



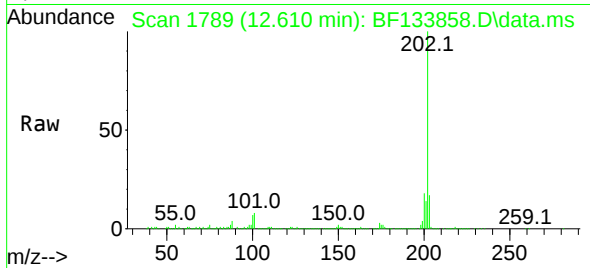
Tgt Ion:178 Resp: 74644
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 15.0 12.4 18.6





#75
Fluoranthene
Concen: 16.032 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

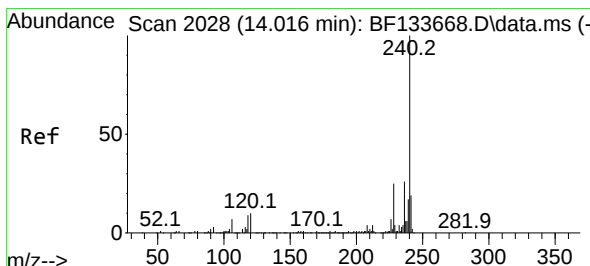
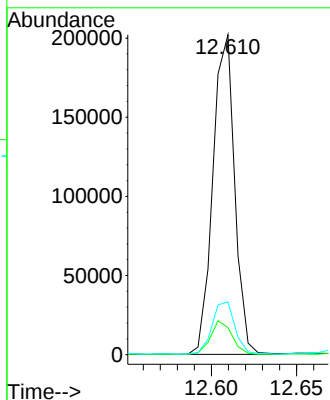
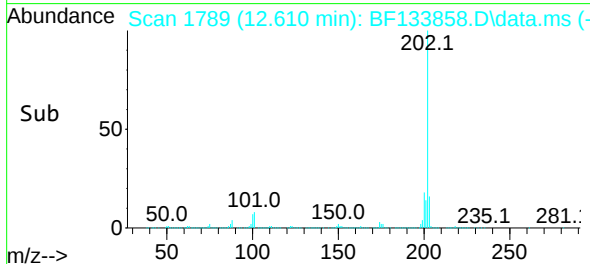
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03RE



Tgt Ion:202 Resp: 17968
Ion Ratio Lower Upper
202 100
101 8.4 0.0 29.6
203 16.5 0.0 37.4

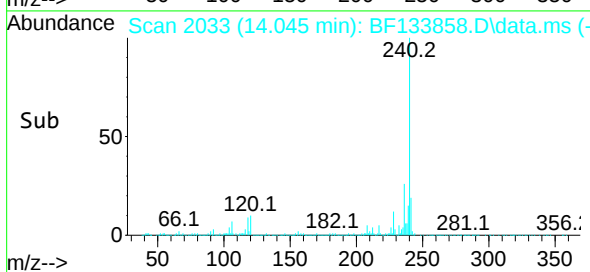
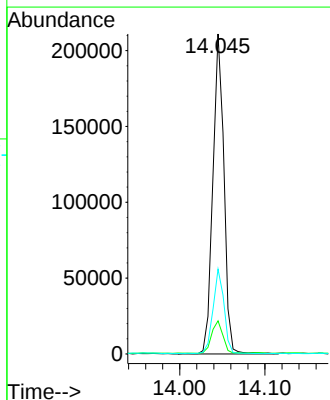
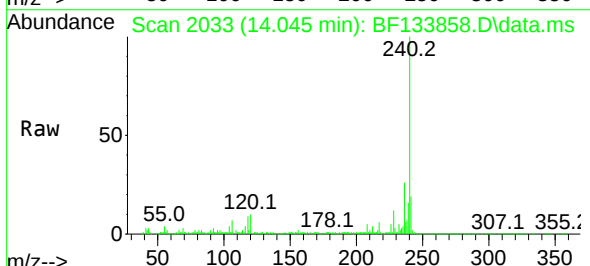
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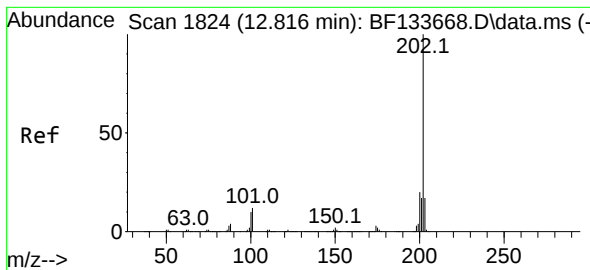
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

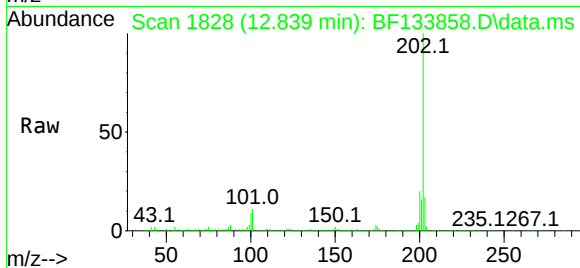
Tgt Ion:240 Resp: 191907
Ion Ratio Lower Upper
240 100
120 10.4 8.1 12.1
236 26.5 20.5 30.7





#78
Pyrene
Concen: 9.421 ng
RT: 12.839 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

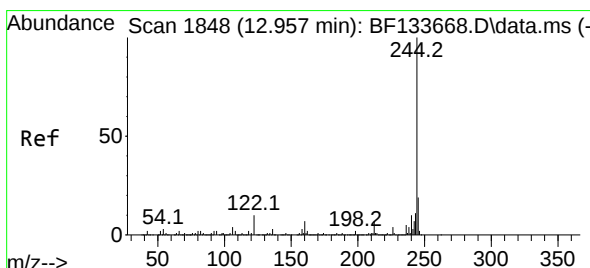
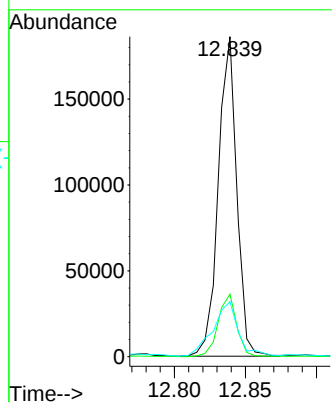
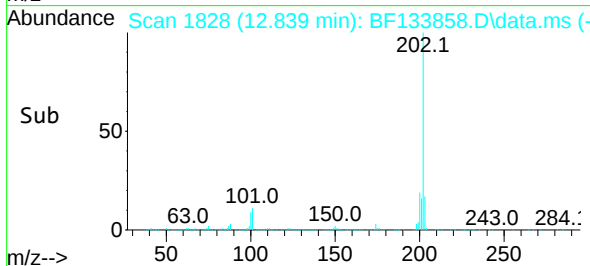
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03RE



Tgt Ion:202 Resp: 16841
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.2
203 17.2 13.9 20.9

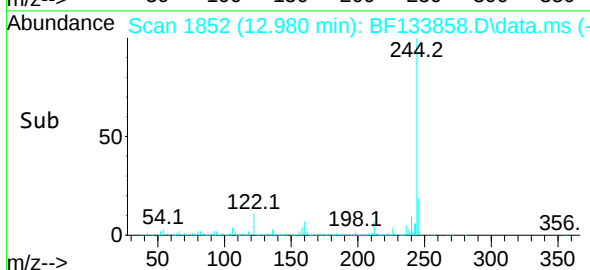
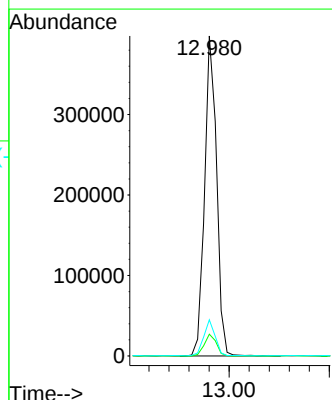
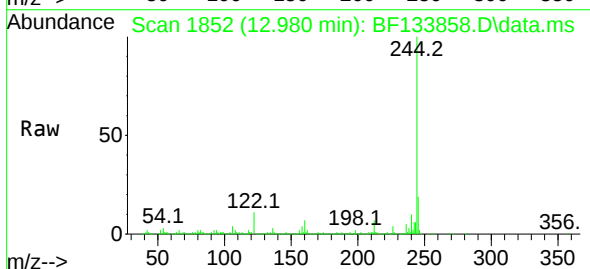
Manual Integrations
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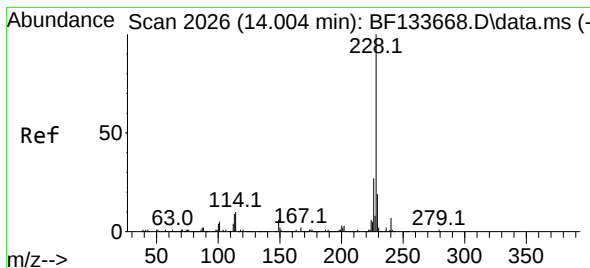
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#79
Terphenyl-d14
Concen: 26.790 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

Tgt Ion:244 Resp: 332256
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.3 8.1 12.1





#81

Benzo(a)anthracene

Concen: 7.454 ng

RT: 14.033 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

Instrument :

BNF

ClientSampleId :

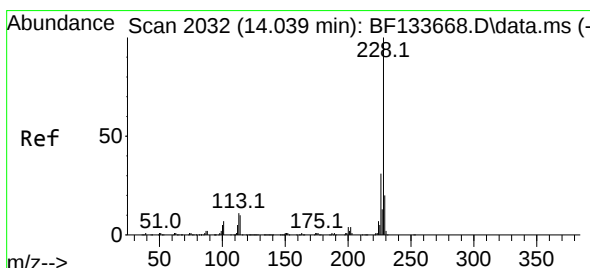
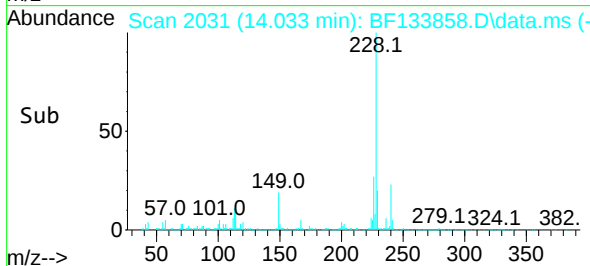
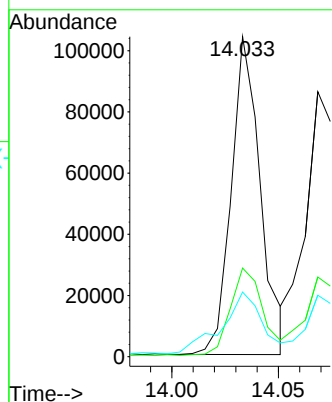
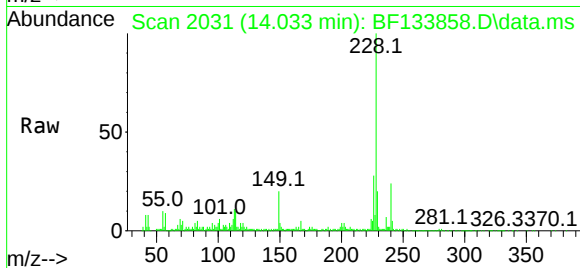
COMPOSIT-SB-03RE

Tgt Ion:228 Resp: 98952
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.7 32.5
 229 20.2 15.4 23.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/21/2023



#83

Chrysene

Concen: 7.033 ng

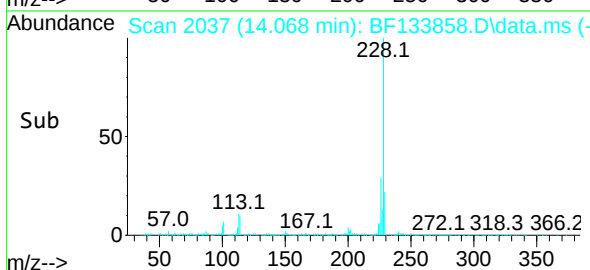
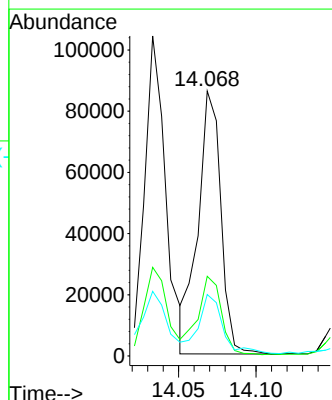
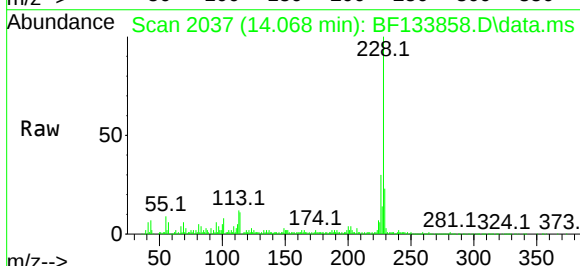
RT: 14.068 min Scan# 2037

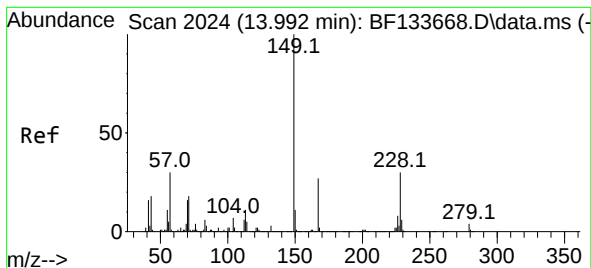
Delta R.T. -0.006 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

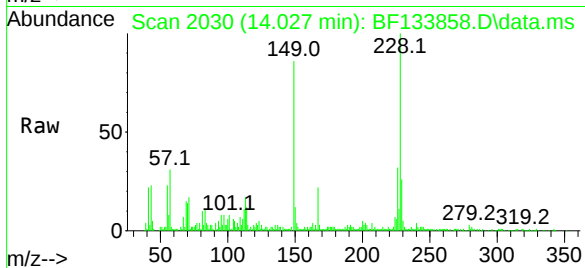
Tgt Ion:228 Resp: 88296
 Ion Ratio Lower Upper
 228 100
 226 30.1 25.0 37.6
 229 23.2 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.805 ng
RT: 14.027 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

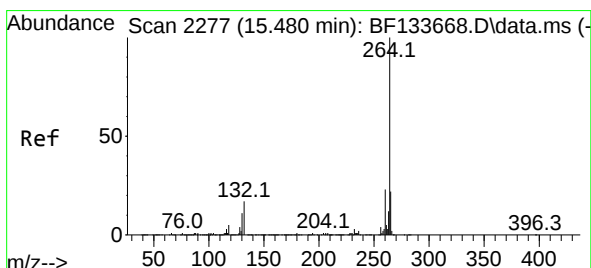
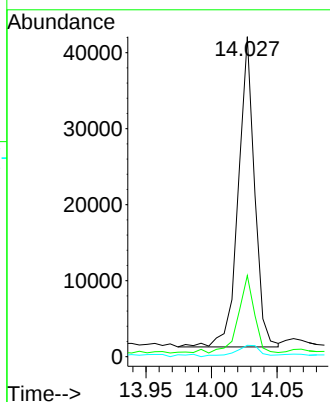
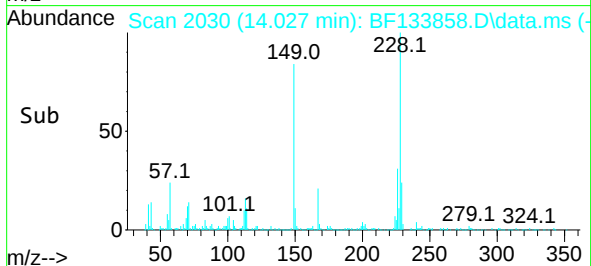
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03RE



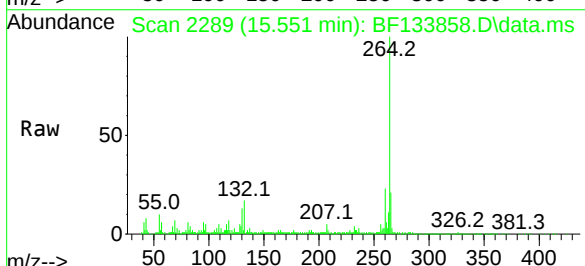
Tgt Ion:149 Resp: 3535
Ion Ratio Lower Upper
149 100
167 25.4 21.8 32.8
279 3.6 3.3 4.9

Manual Integrations
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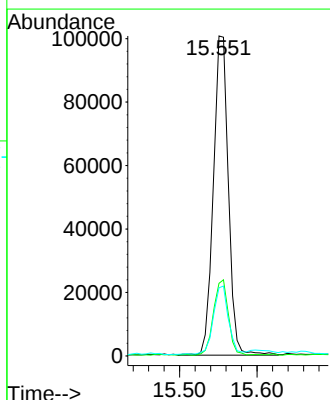
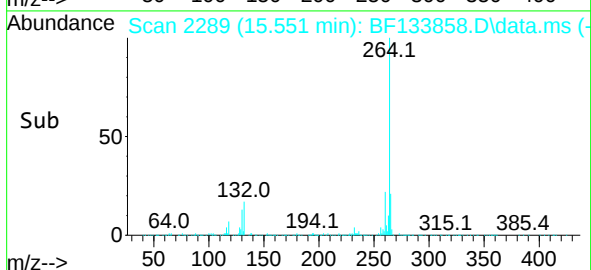
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

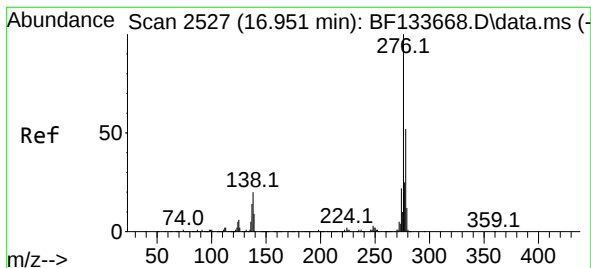


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.000 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08



Tgt Ion:264 Resp: 136018
Ion Ratio Lower Upper
264 100
260 22.7 18.2 27.2
265 21.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.673 ng

RT: 17.098 min Scan# 2113

Delta R.T. 0.000 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-03RE

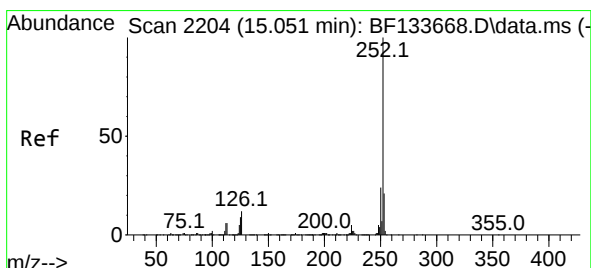
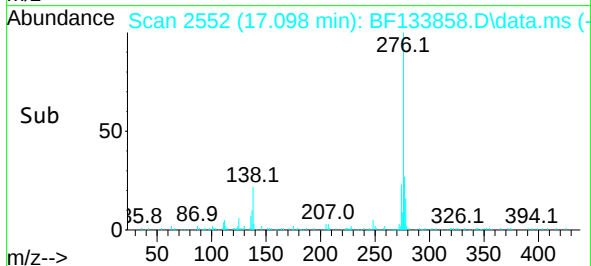
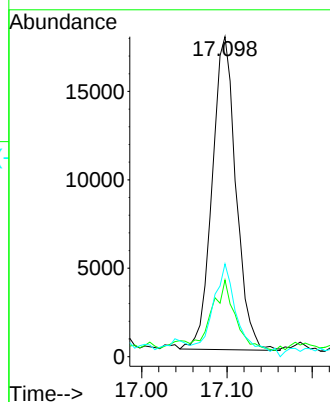
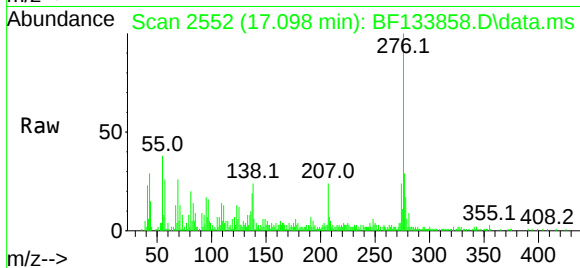
Tgt Ion:	276	Resp:	3436
Ion Ratio	Lower	Upper	
276	100		
138	22.2	17.9	26.9
277	31.4	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#88

Benzo(b)fluoranthene

Concen: 12.375 ng m

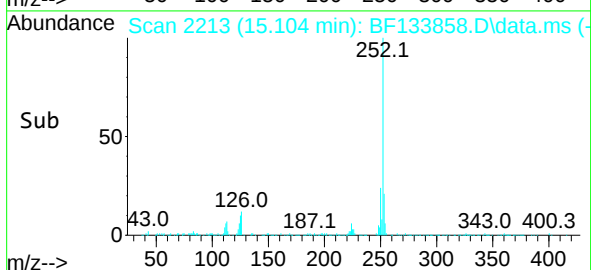
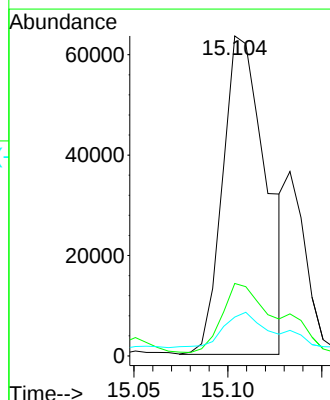
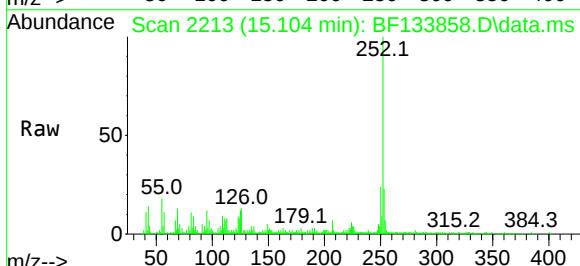
RT: 15.104 min Scan# 2213

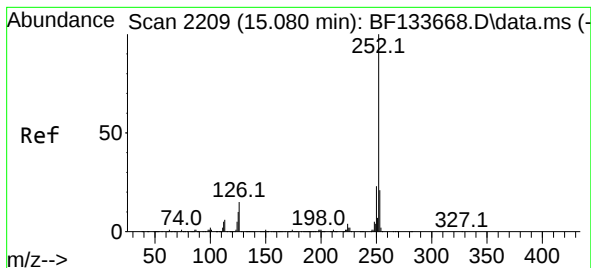
Delta R.T. 0.000 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

Tgt Ion:	252	Resp:	102246
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	12.1	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 3.516 ng m

RT: 15.133 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-03RE

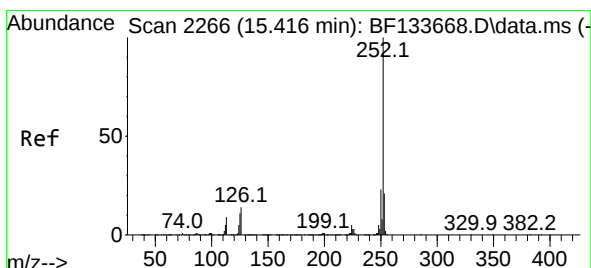
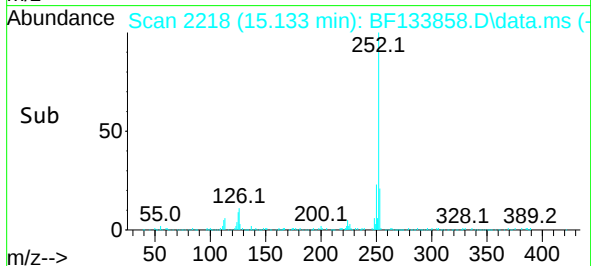
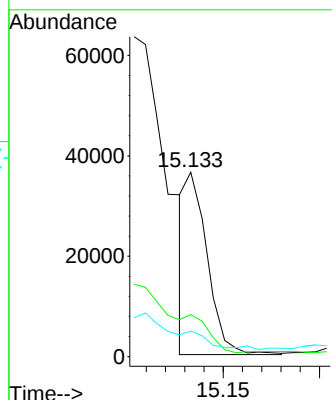
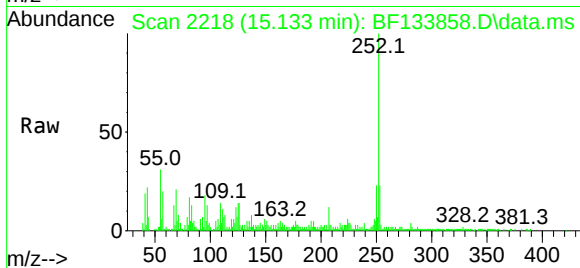
Tgt Ion:	252	Resp:	2830
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.4
125	13.8	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#90

Benzo(a)pyrene

Concen: 7.612 ng

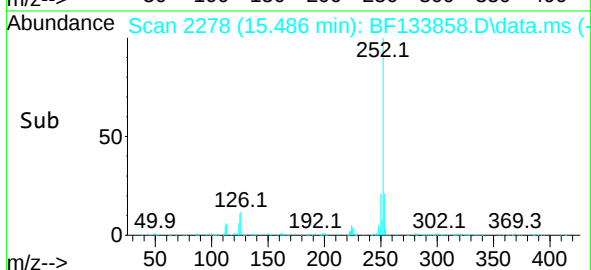
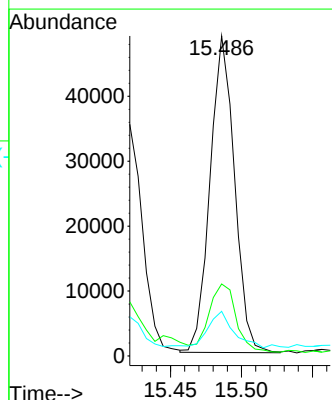
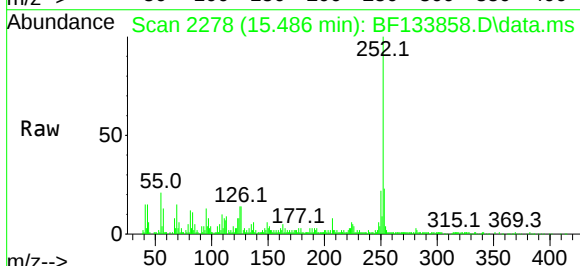
RT: 15.486 min Scan# 2278

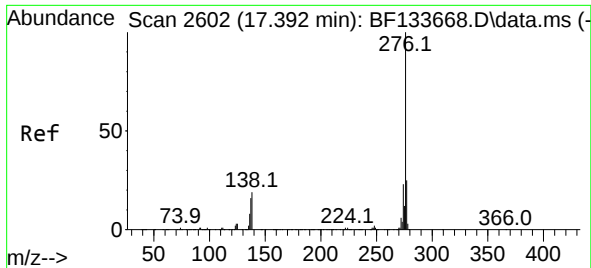
Delta R.T. 0.000 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

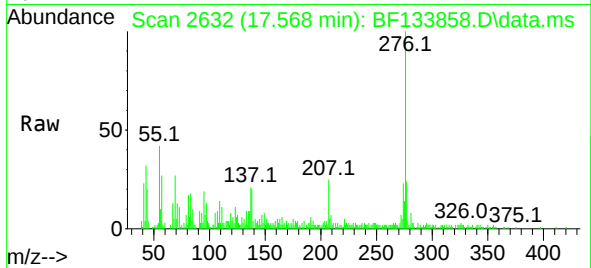
Tgt Ion:	252	Resp:	58368
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	13.9	8.6	13.0





#92
Benzo(g,h,i)perylene
Concen: 4.507 ng
RT: 17.568 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133858.D
Acq: 20 Jun 2023 16:08

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03RE



Tgt Ion:276 Resp: 3462
Ion Ratio Lower Upper
276 100
277 23.7 19.8 29.8
138 20.3 15.0 22.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

