

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133853.D
 Acq On : 20 Jun 2023 13:24
 Operator : CG\JU
 Sample : 03222-19RE 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-16RE

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 13:59:57 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	74494	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	256637	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	112354	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	200575	20.000	ng	0.00
76) Chrysene-d12	14.045	240	187503	20.000	ng	0.00
86) Perylene-d12	15.557	264	144691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	191705	44.801	ng	0.00
7) Phenol-d6	6.487	99	219829	39.467	ng	0.00
23) Nitrobenzene-d5	7.416	82	144957	30.765	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	55041	38.701	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	272942	34.533	ng	0.00
79) Terphenyl-d14	12.980	244	298486	24.632	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.157	128	82349	6.586	ng	99
37) 2-Methylnaphthalene	8.851	142	27949	3.217	ng	99
38) 1-Methylnaphthalene	8.945	142	20713	2.591	ng	98
71) Phenanthrene	11.410	178	104772	10.296	ng	98
72) Anthracene	11.463	178	33656	3.172	ng	99
75) Fluoranthene	12.610	202	233061	21.567	ng	99
78) Pyrene	12.839	202	217343	12.443	ng	99
80) Butylbenzylphthalate	13.463	149	59716	8.098	ng	91
81) Benzo(a)anthracene	14.039	228	121556	9.372	ng	97
83) Chrysene	14.074	228	116163	9.470	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	194447	21.417	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	42867	4.306	ng	97
88) Benzo(b)fluoranthene	15.110	252	128278m	14.595	ng	
89) Benzo(k)fluoranthene	15.139	252	47138m	5.506	ng	
90) Benzo(a)pyrene	15.492	252	81393	9.978	ng	# 95
92) Benzo(g,h,i)perylene	17.568	276	41835	5.120	ng	# 88

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

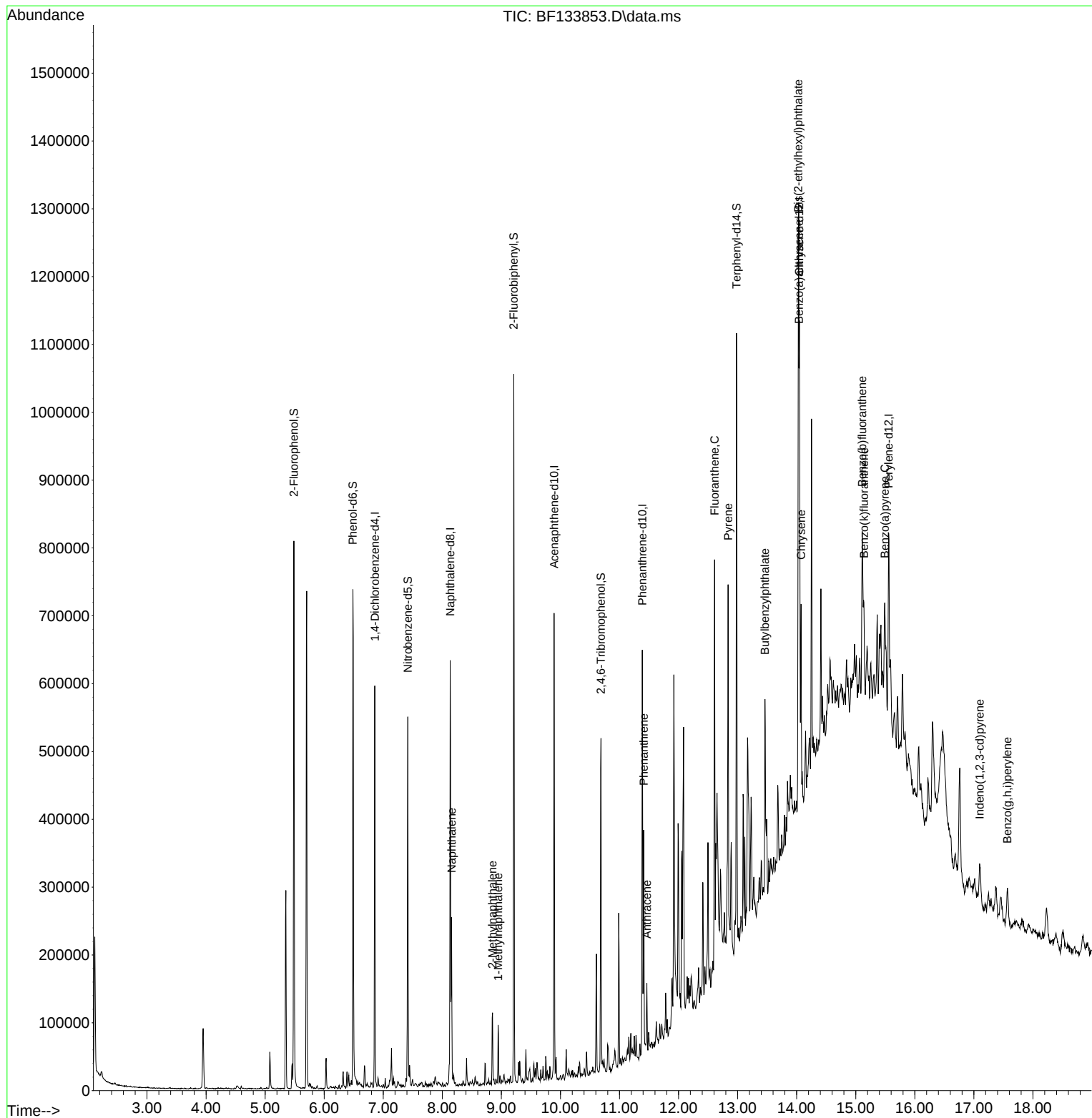
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
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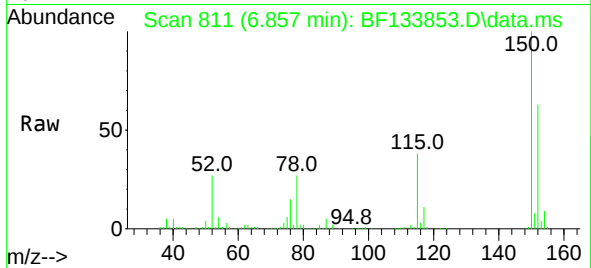
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

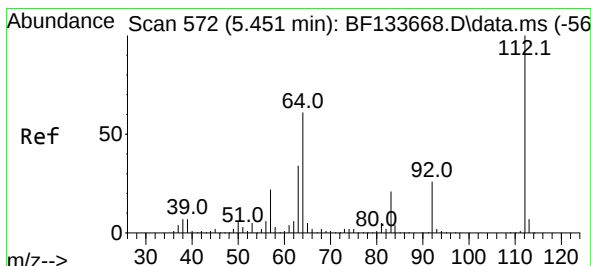
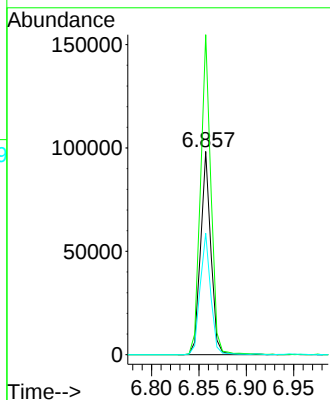
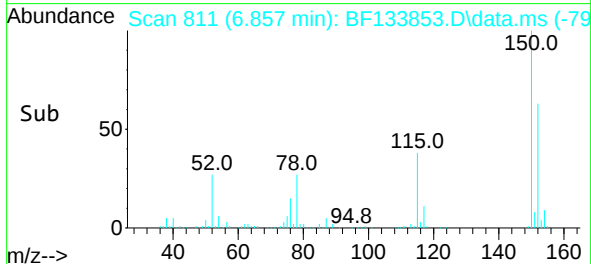
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE



Tgt Ion:152 Resp: 74494
Ion Ratio Lower Upper
152 100
150 157.5 124.3 186.5
115 59.8 48.5 72.7

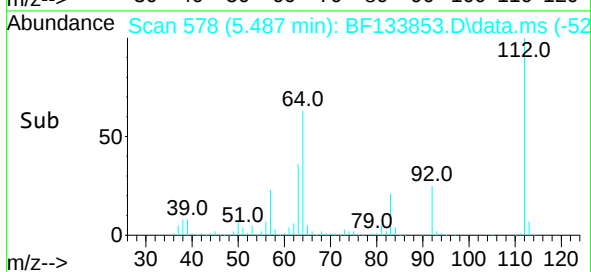
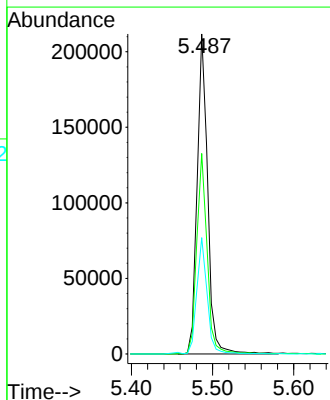
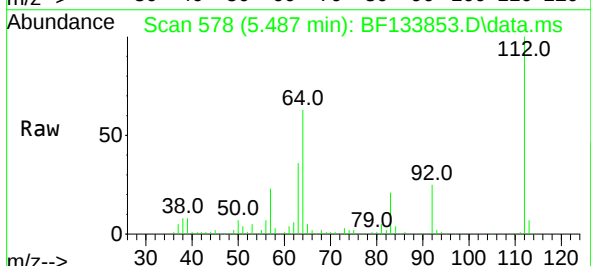
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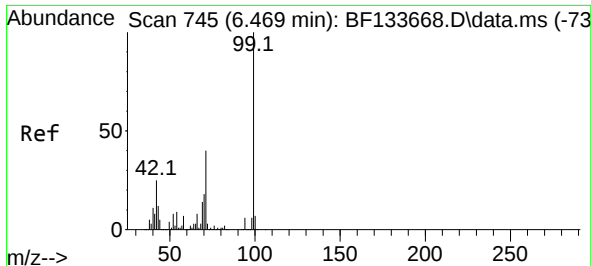
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#5
2-Fluorophenol
Concen: 44.801 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

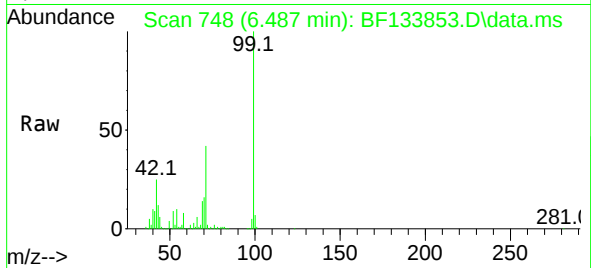
Tgt Ion:112 Resp: 191705
Ion Ratio Lower Upper
112 100
64 62.6 49.0 73.4
63 36.3 26.8 40.2





#7
Phenol-d6
Concen: 39.467 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

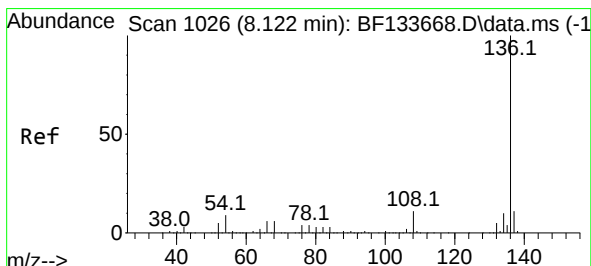
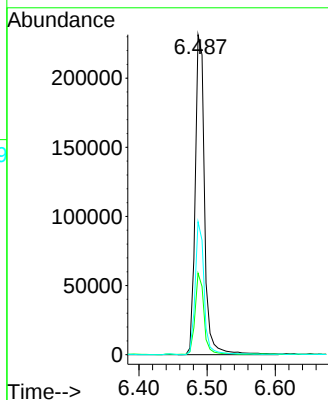
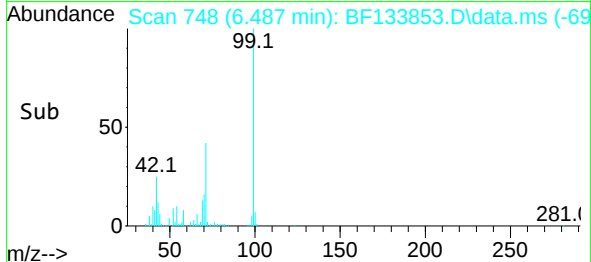
Instrument :
BNA_F
ClientSampleId :
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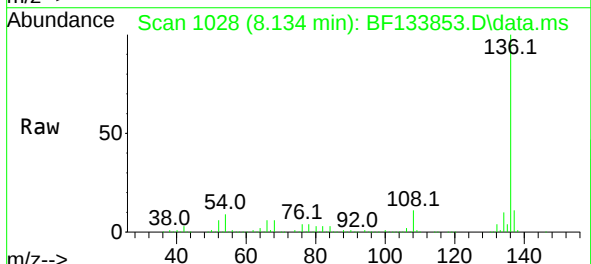
Tgt Ion: 99 Resp: 219829
Ion Ratio Lower Upper
99 100
42 25.4 19.9 29.9
71 41.6 32.2 48.4

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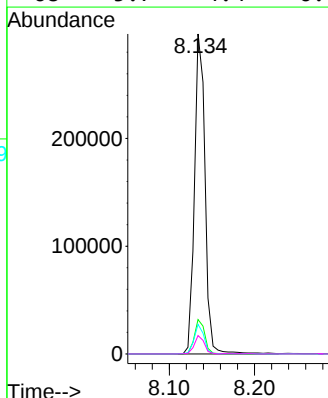
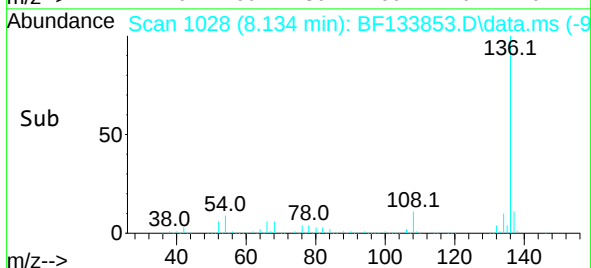
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

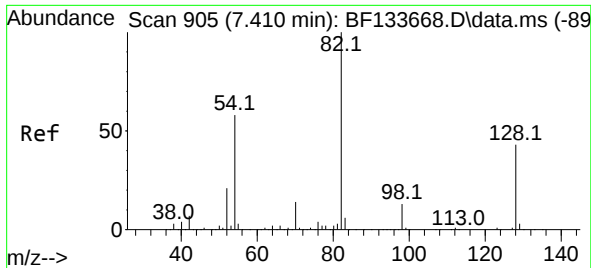


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24



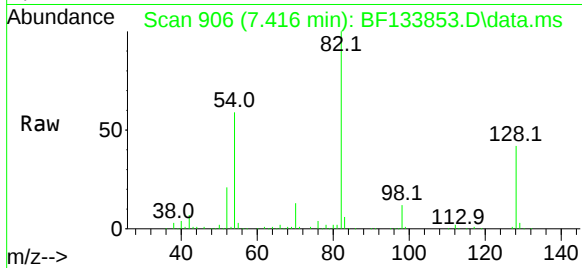
Tgt Ion:136 Resp: 256637
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.3 7.4 11.0
68 5.7 4.4 6.6





#23
Nitrobenzene-d5
Concen: 30.765 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

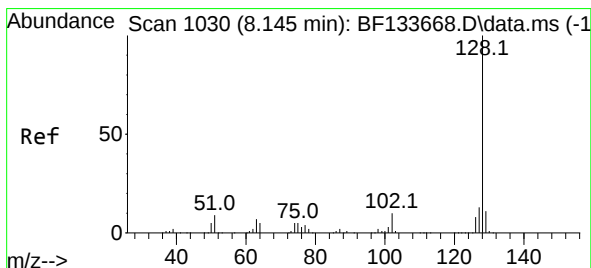
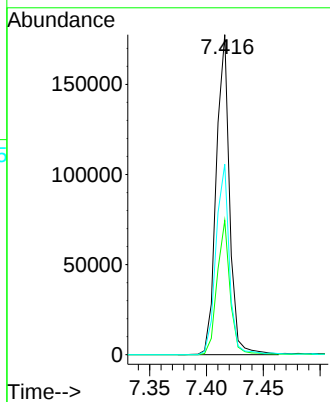
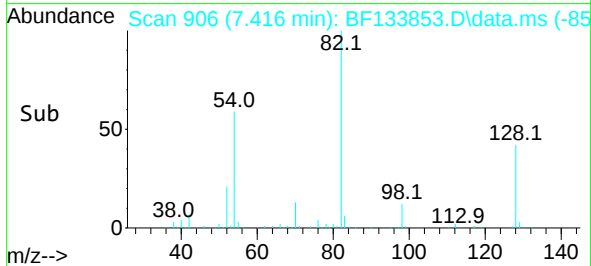
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE



Tgt Ion: 82 Resp: 14495
Ion Ratio Lower Upper
82 100
128 42.0 34.2 51.2
54 59.5 46.5 69.7

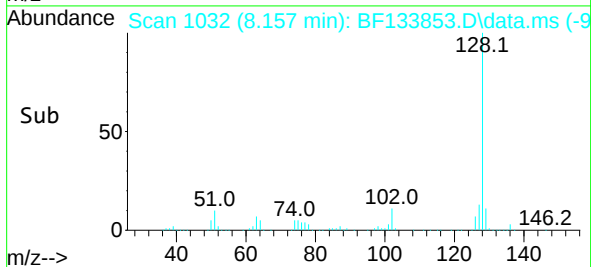
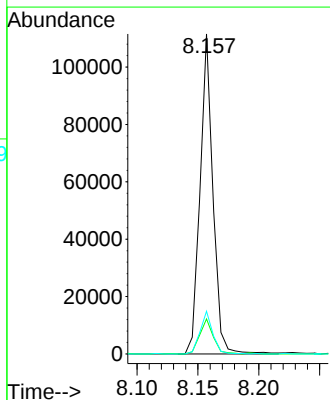
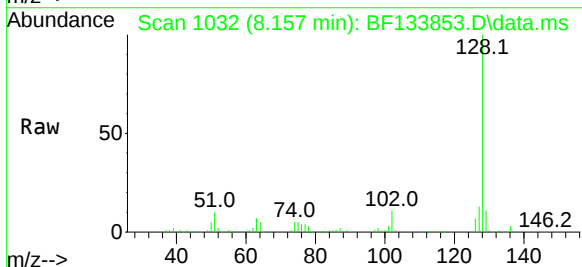
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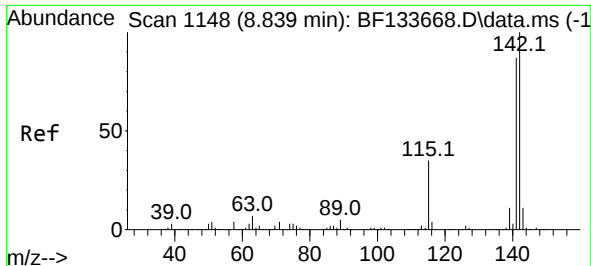
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#31
Naphthalene
Concen: 6.586 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:128 Resp: 82349
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.3 10.5 15.7





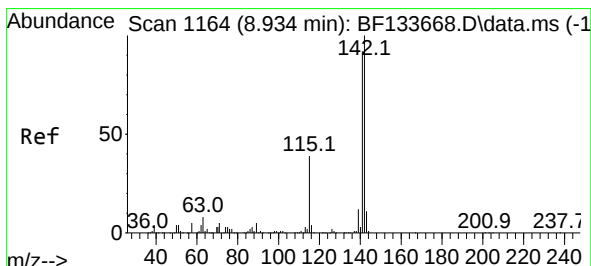
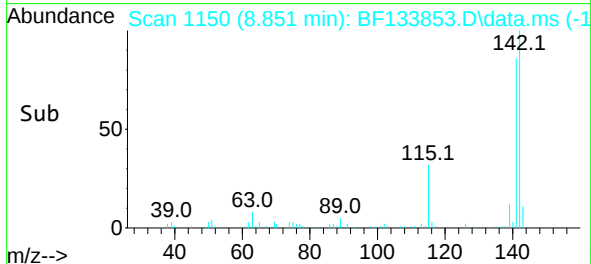
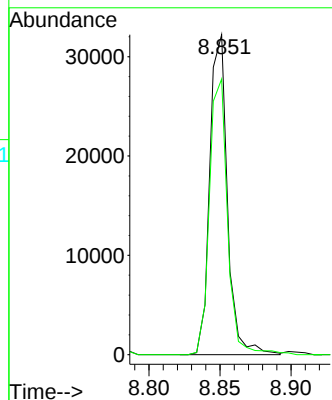
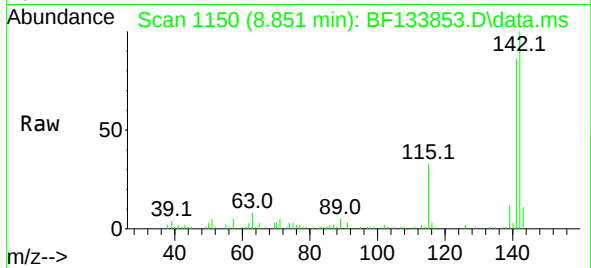
#37
2-Methylnaphthalene
Concen: 3.217 ng
RT: 8.851 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE

Tgt Ion:142 Resp: 27949
Ion Ratio Lower Upper
142 100
141 86.1 69.8 104.8

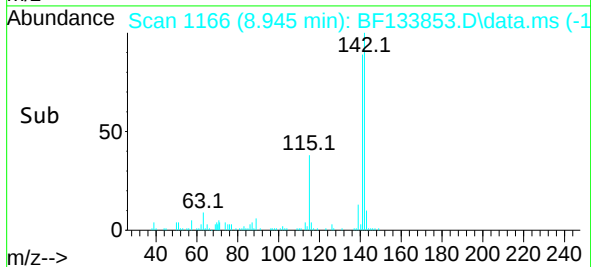
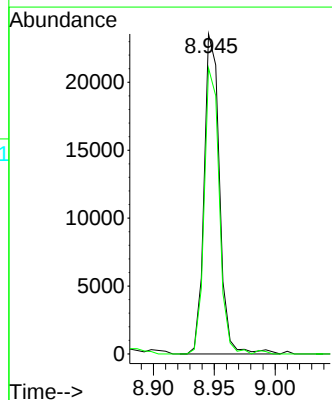
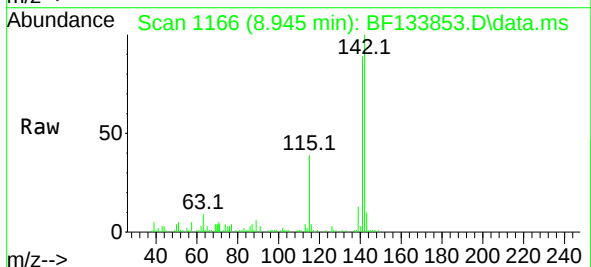
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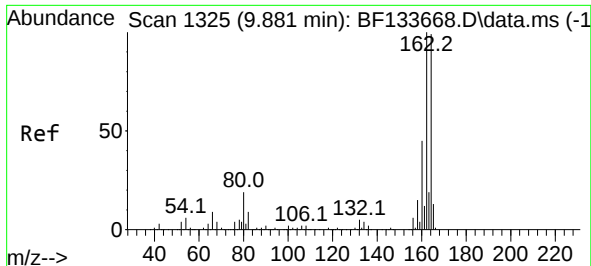
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#38
1-Methylnaphthalene
Concen: 2.591 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:142 Resp: 20713
Ion Ratio Lower Upper
142 100
141 89.4 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 112354

Delta R.T. -0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

Tgt Ion:164 Resp: 112354

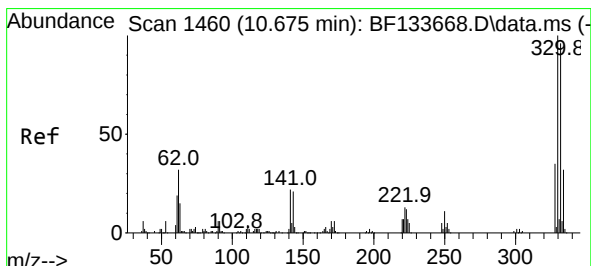
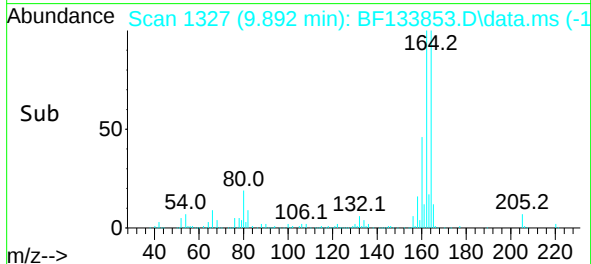
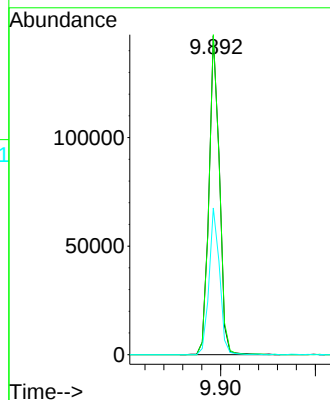
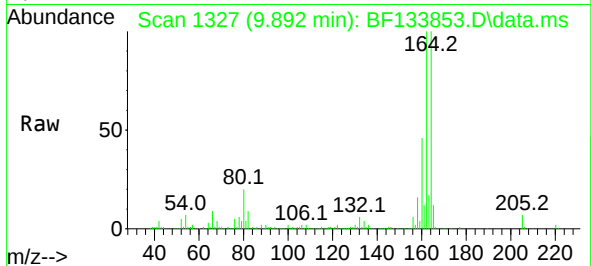
Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.8	121.2
160	46.0	36.7	55.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#42

2,4,6-Tribromophenol

Concen: 38.701 ng

RT: 10.686 min Scan# 1462

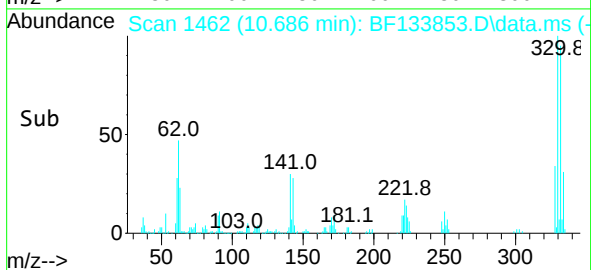
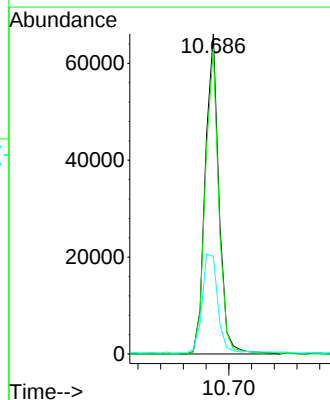
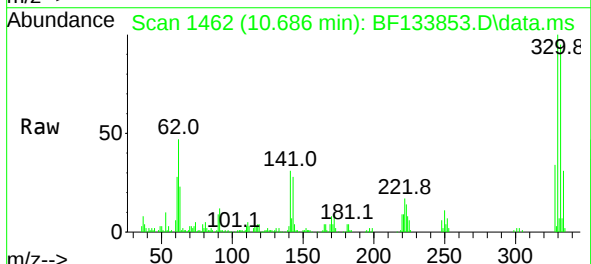
Delta R.T. -0.006 min

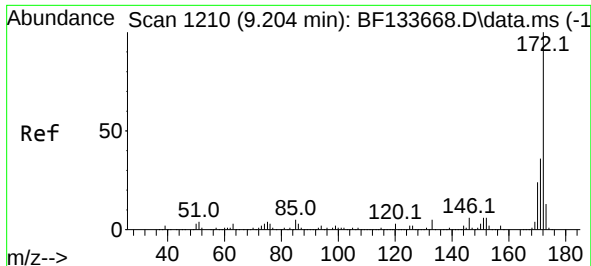
Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Tgt Ion:330 Resp: 55041

Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.2	115.8
141	37.3	24.9	37.3





#45

2-Fluorobiphenyl

Concen: 34.533 ng

RT: 9.210 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

Tgt Ion:172 Resp: 27294

Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

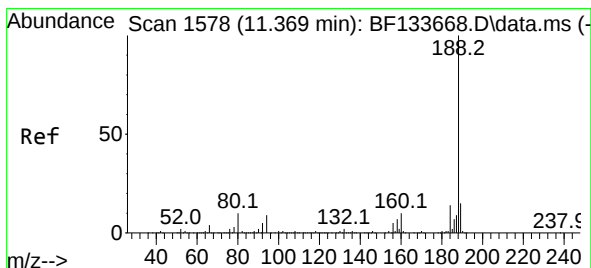
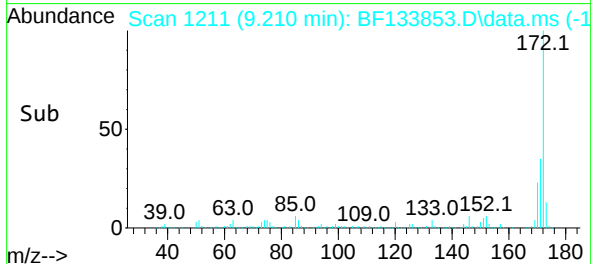
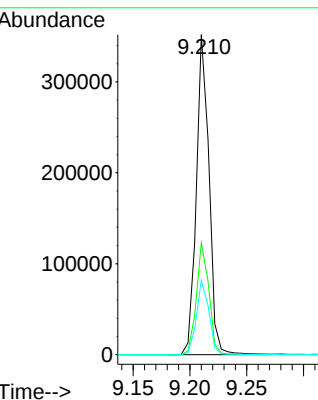
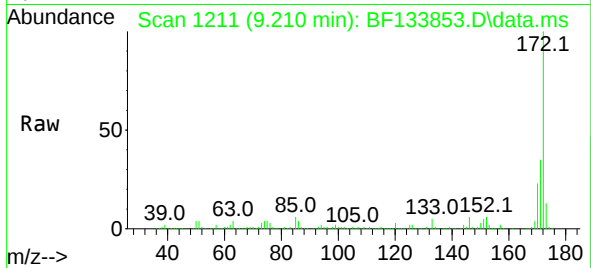
170 23.2 19.1 28.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

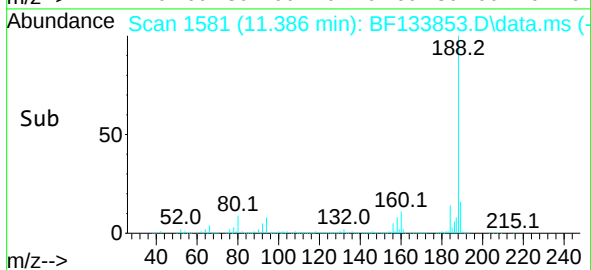
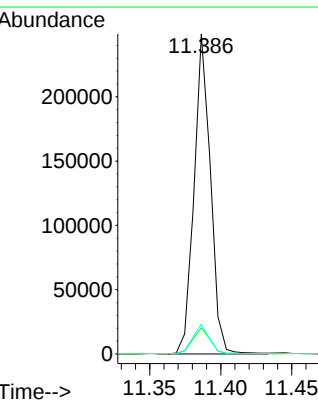
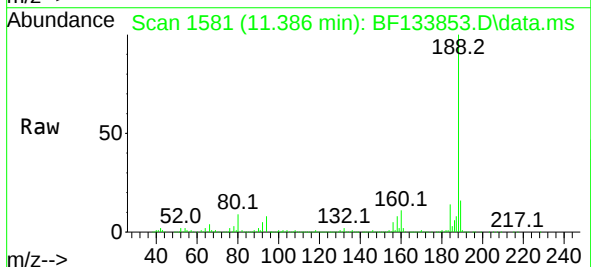
Tgt Ion:188 Resp: 200575

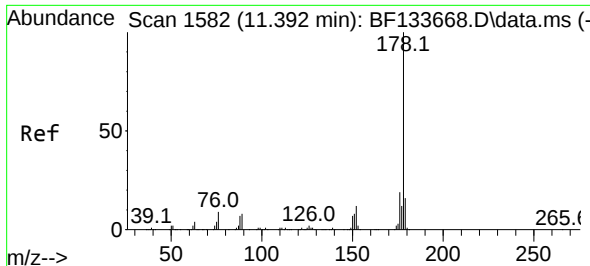
Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

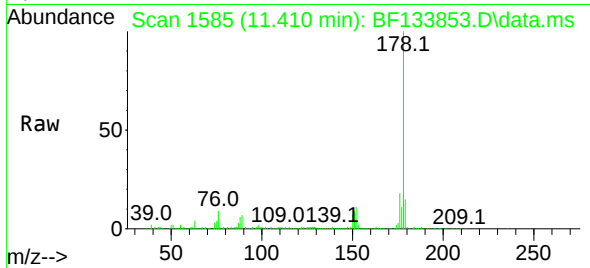
80 9.3 7.8 11.6





#71
Phenanthrene
Concen: 10.296 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

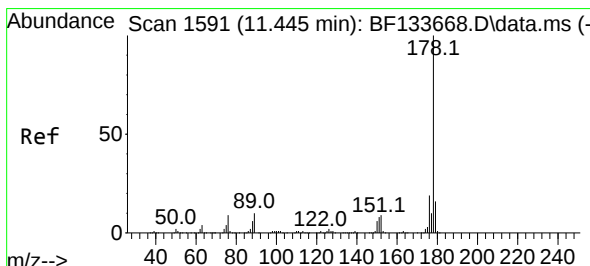
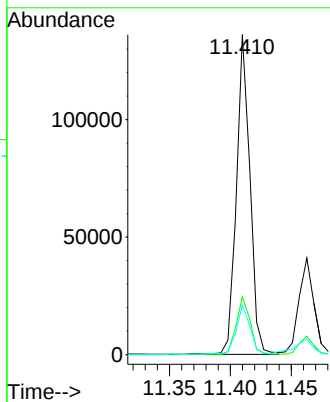
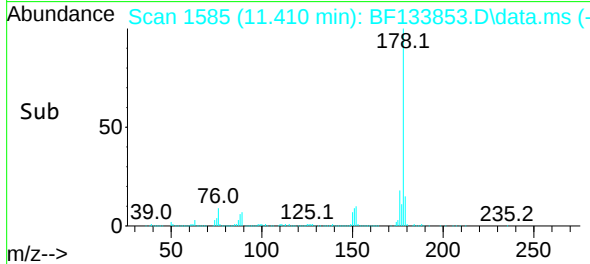
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE



Tgt Ion:178 Resp: 104772
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.5 12.4 18.6

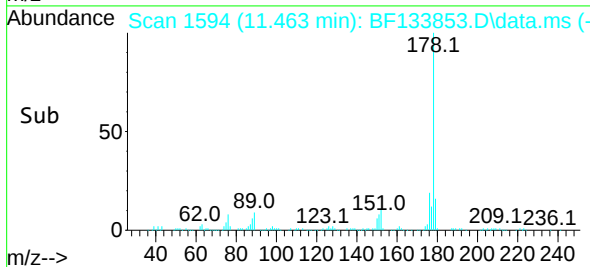
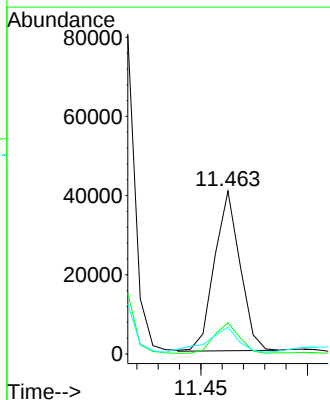
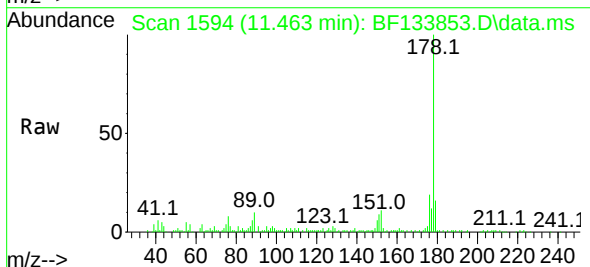
Manual Integrations
APPROVED

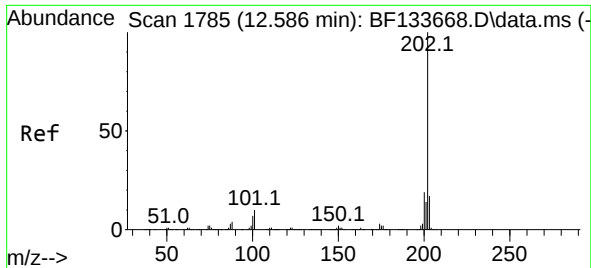
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#72
Anthracene
Concen: 3.172 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

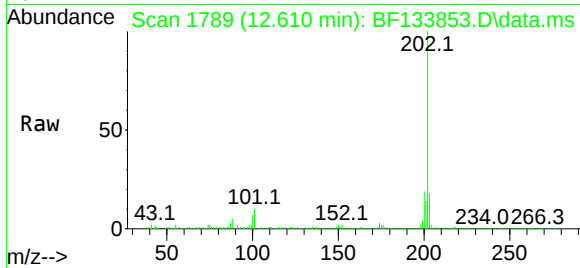
Tgt Ion:178 Resp: 33656
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 16.3 12.6 18.8





#75
Fluoranthene
Concen: 21.567 ng
RT: 12.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

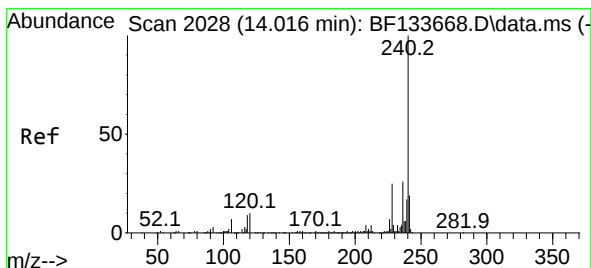
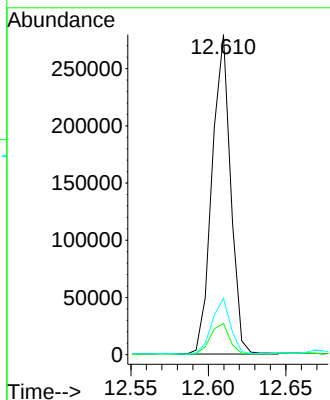
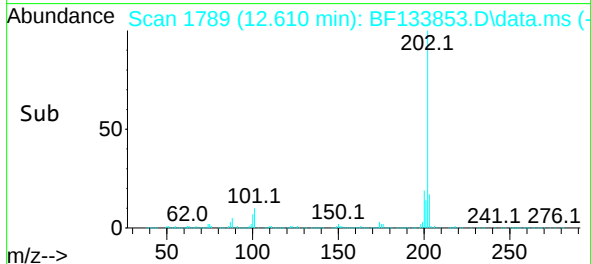
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE



Tgt Ion:202 Resp: 23306
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.6
203 17.6 0.0 37.4

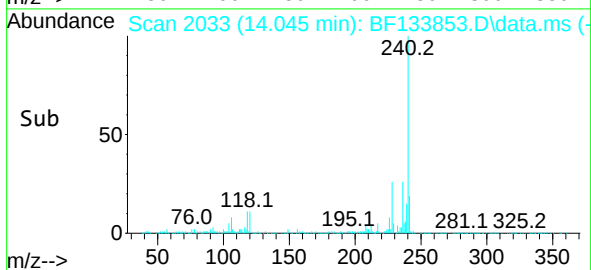
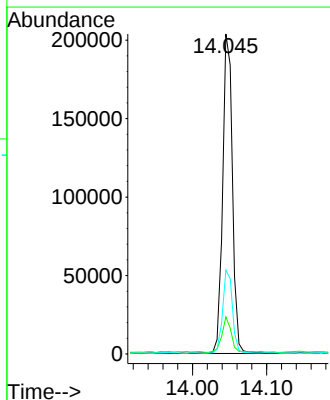
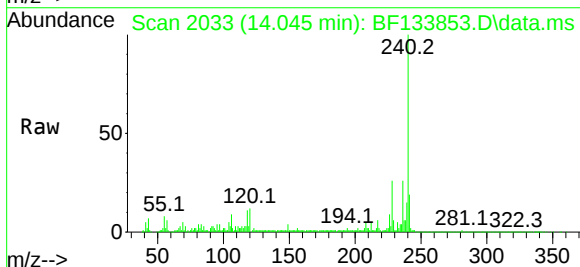
Manual Integrations
APPROVED

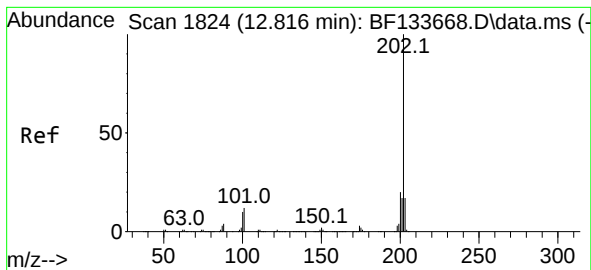
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:240 Resp: 187503
Ion Ratio Lower Upper
240 100
120 11.6 8.1 12.1
236 26.2 20.5 30.7





#78

Pyrene

Concen: 12.443 ng

RT: 12.839 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

Tgt Ion:202 Resp: 21734

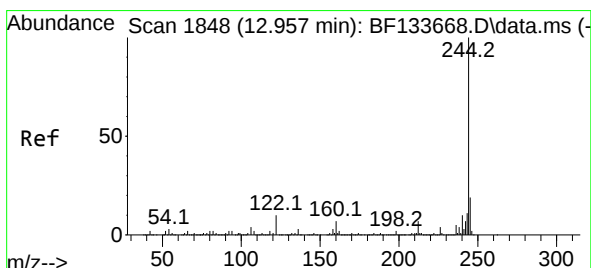
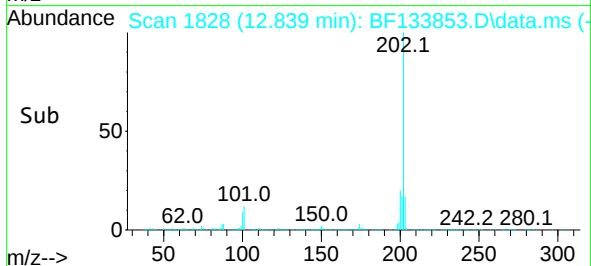
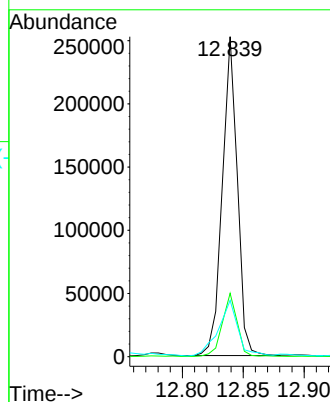
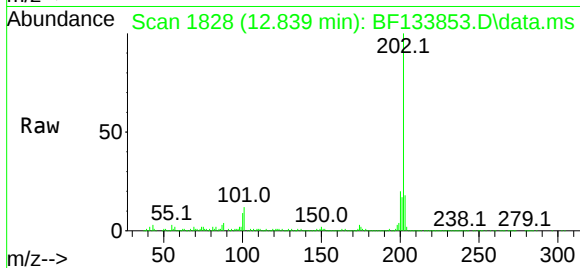
Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.2
203	17.6	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#79

Terphenyl-d14

Concen: 24.632 ng

RT: 12.980 min Scan# 1852

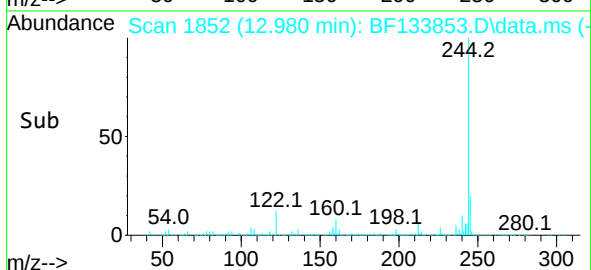
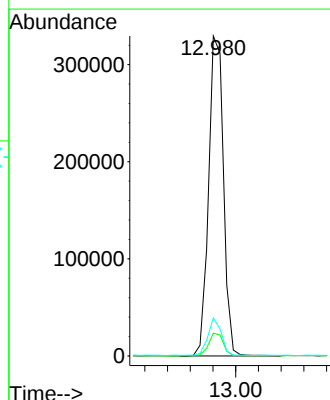
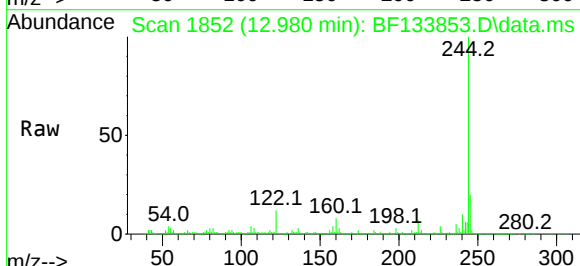
Delta R.T. -0.006 min

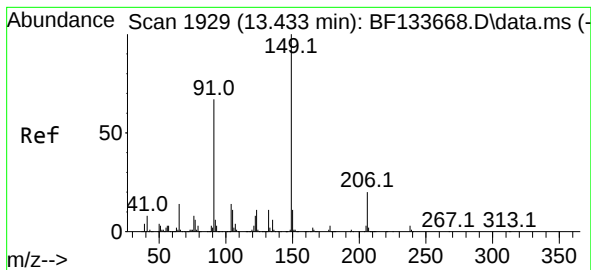
Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Tgt Ion:244 Resp: 298486

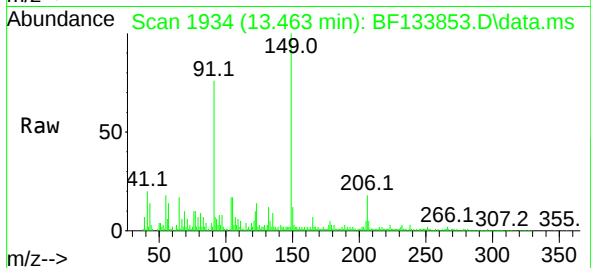
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	11.9	8.1	12.1





#80
Butylbenzylphthalate
Concen: 8.098 ng
RT: 13.463 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

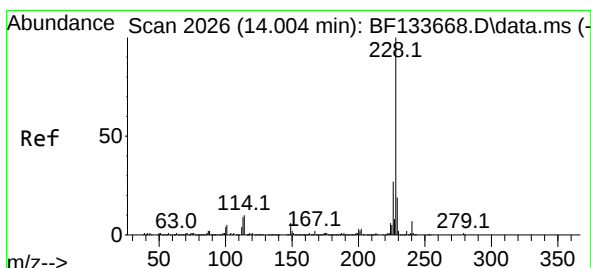
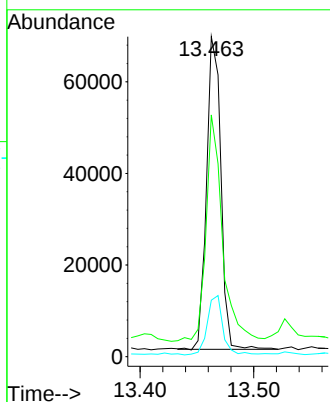
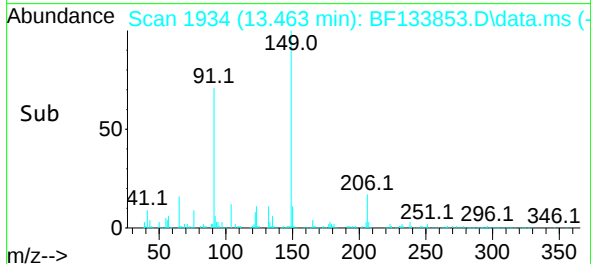
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE



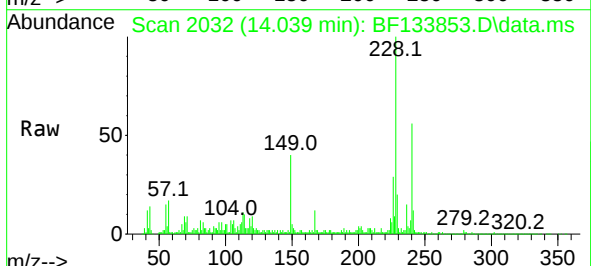
Tgt Ion:149 Resp: 59710
Ion Ratio Lower Upper
149 100
91 75.6 54.0 81.0
206 17.6 15.6 23.4

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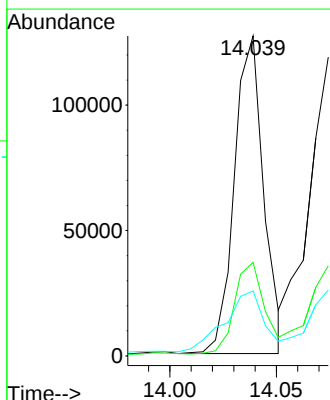
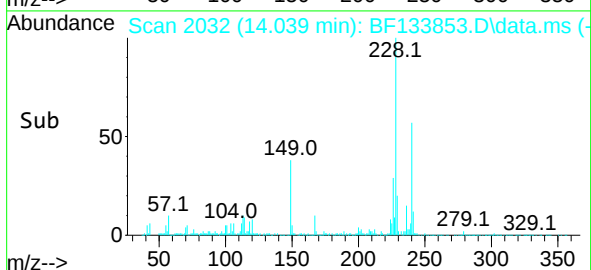
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

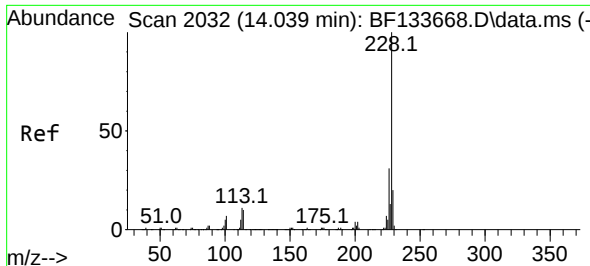


#81
Benzo(a)anthracene
Concen: 9.372 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24



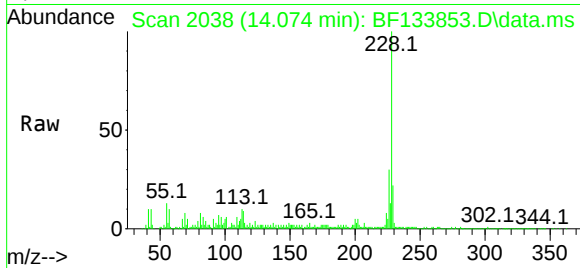
Tgt Ion:228 Resp: 121556
Ion Ratio Lower Upper
228 100
226 29.3 21.7 32.5
229 20.3 15.4 23.2





#83
Chrysene
Concen: 9.470 ng
RT: 14.074 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

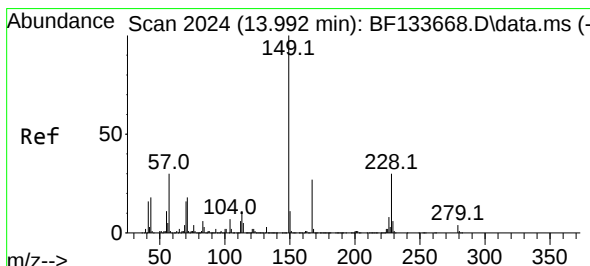
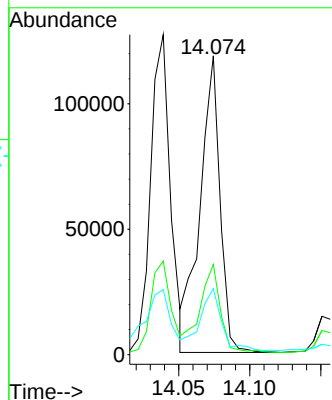
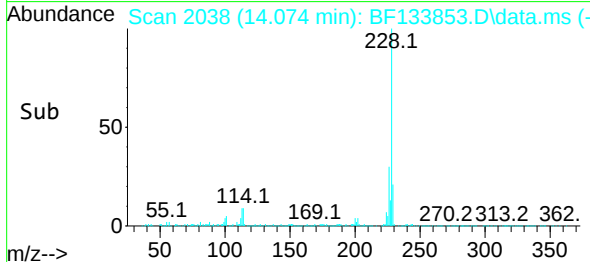
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE



Tgt Ion:228 Resp: 11616
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.1 15.8 23.8

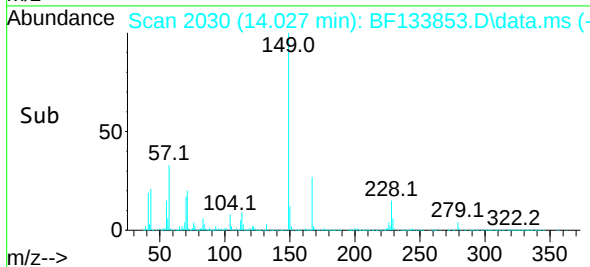
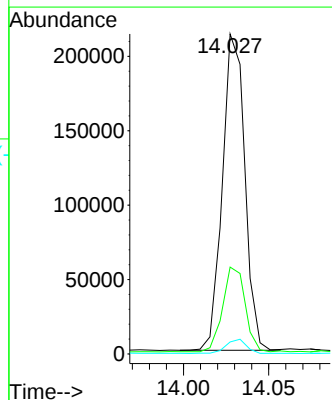
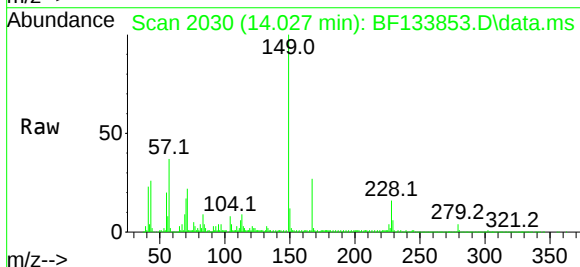
Manual Integrations
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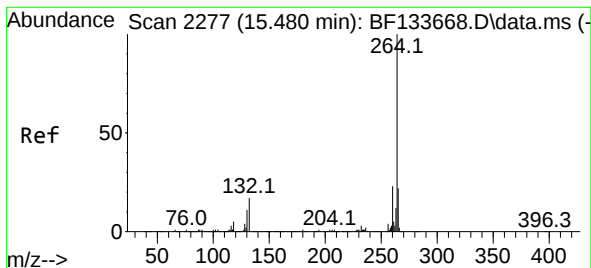
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 21.417 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

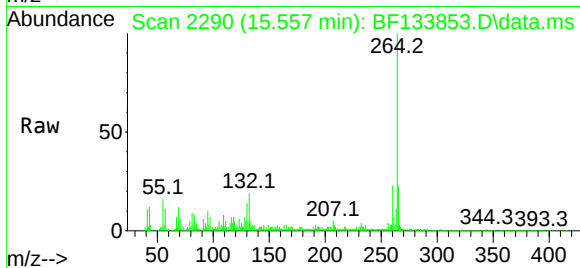
Tgt Ion:149 Resp: 194447
Ion Ratio Lower Upper
149 100
167 27.2 21.8 32.8
279 3.7 3.3 4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

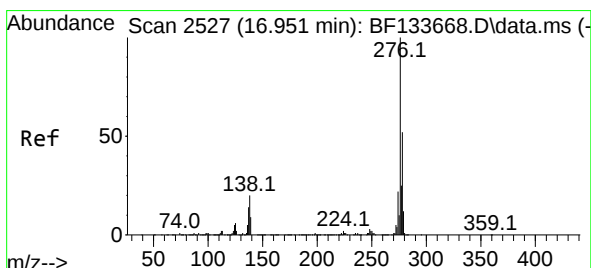
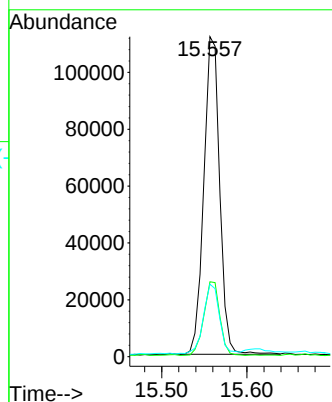
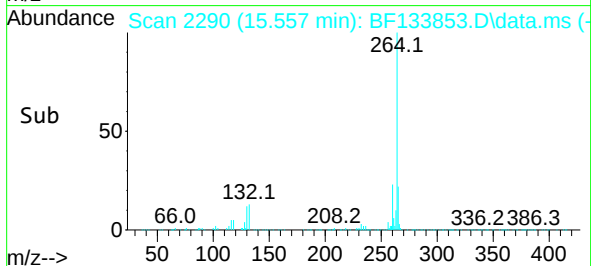
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16RE



Tgt Ion:264 Resp: 14469
Ion Ratio Lower Upper
264 100
260 23.4 18.2 27.2
265 22.6 17.8 26.6

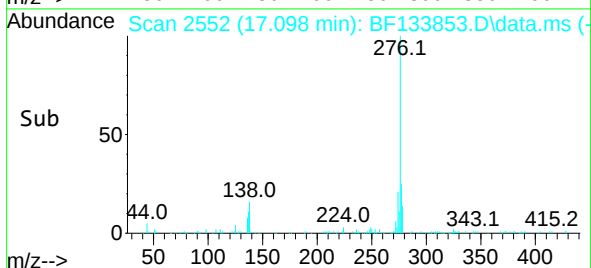
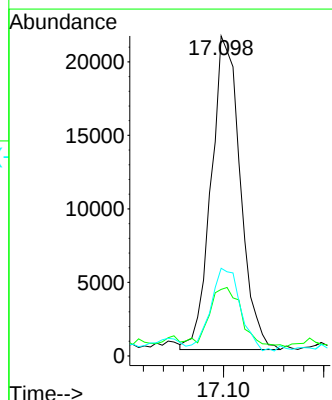
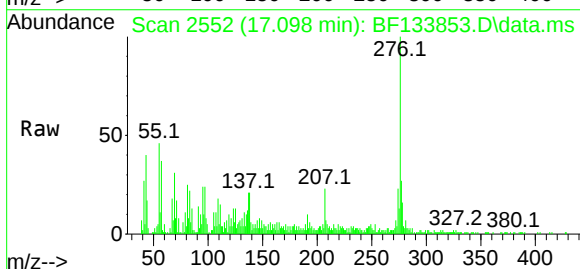
Manual Integrations
APPROVED

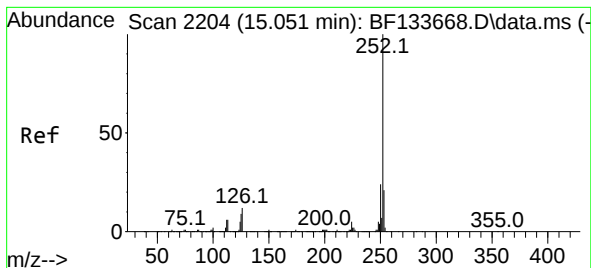
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.306 ng
RT: 17.098 min Scan# 2552
Delta R.T. 0.000 min
Lab File: BF133853.D
Acq: 20 Jun 2023 13:24

Tgt Ion:276 Resp: 42867
Ion Ratio Lower Upper
276 100
138 21.0 17.9 26.9
277 27.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 14.595 ng m

RT: 15.110 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

Tgt Ion:252 Resp: 128278

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

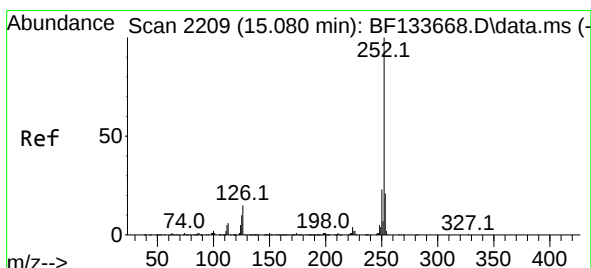
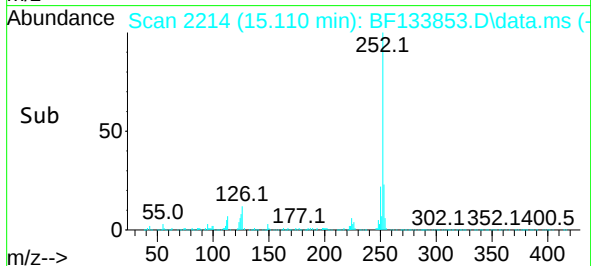
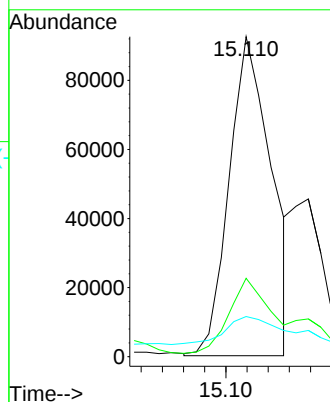
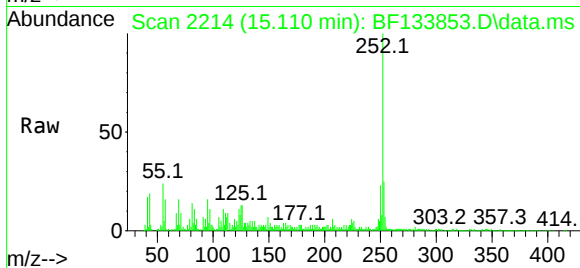
125 12.6 7.3 10.9

Manual Integrations

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Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#89

Benzo(k)fluoranthene

Concen: 5.506 ng m

RT: 15.139 min Scan# 2219

Delta R.T. 0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

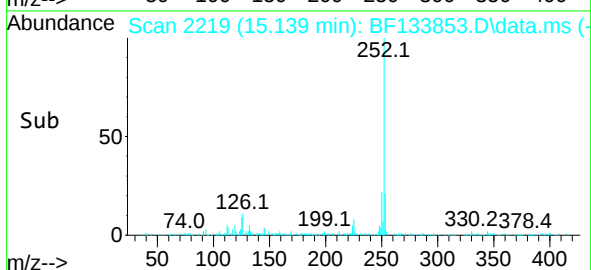
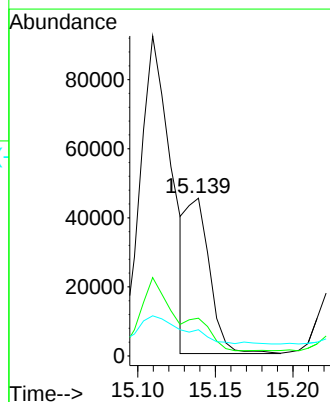
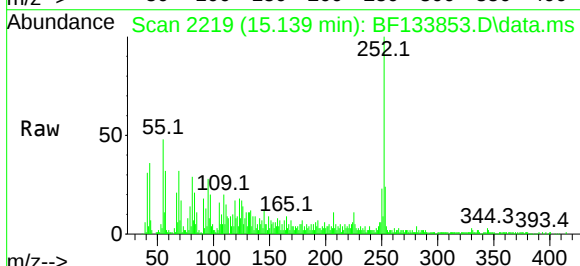
Tgt Ion:252 Resp: 47138

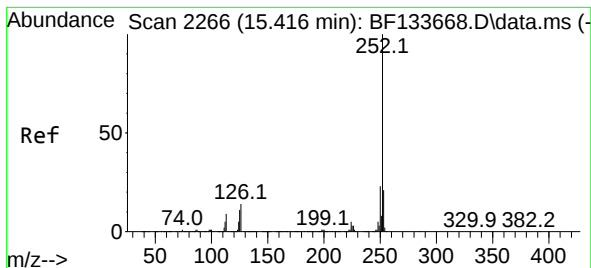
Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.4

125 16.6 7.8 11.6





#90

Benzo(a)pyrene

Concen: 9.978 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16RE

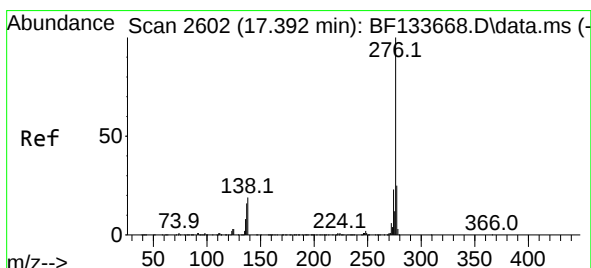
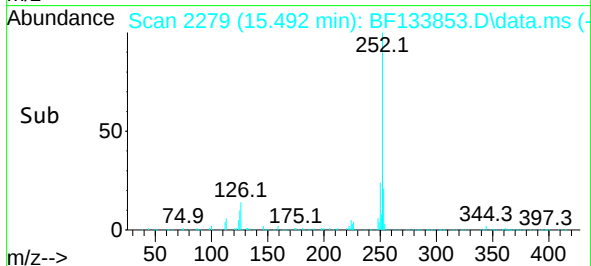
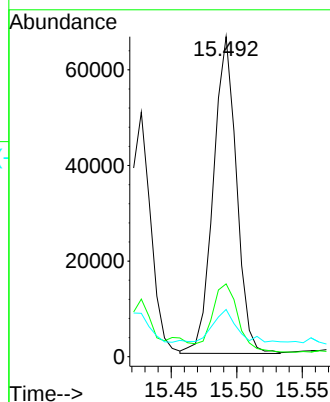
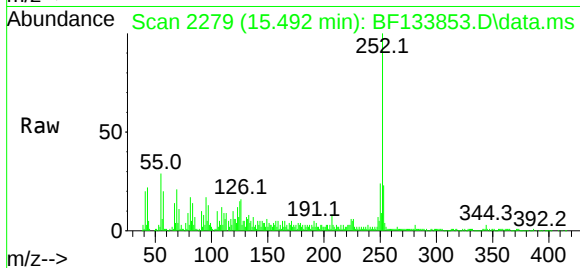
Tgt Ion:	252	Resp:	8139
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	14.7	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/21/2023



#92

Benzo(g,h,i)perylene

Concen: 5.120 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.006 min

Lab File: BF133853.D

Acq: 20 Jun 2023 13:24

Tgt Ion:	276	Resp:	41835
Ion Ratio	Lower	Upper	
276	100		
277	26.3	19.8	29.8
138	28.9	15.0	22.4

