

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133924.D
 Acq On : 23 Jun 2023 03:38
 Operator : CG\JU
 Sample : 03329-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW01-0-8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 23 05:07:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 02:21:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	91346	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	344597	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	164295	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	288741	20.000	ng	0.00
76) Chrysene-d12	14.051	240	189611	20.000	ng	0.00
86) Perylene-d12	15.557	264	191762	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	594520	113.305	ng	0.00
7) Phenol-d6	6.493	99	704277	103.117	ng	0.00
23) Nitrobenzene-d5	7.422	82	482716	76.298	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	204553	98.358	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	908339	78.591	ng	0.00
79) Terphenyl-d14	12.986	244	814744	66.488	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.928	154	25403	2.623	ng	96
58) Fluorene	10.445	166	29434	2.605	ng	95
71) Phenanthrene	11.410	178	365120	24.924	ng	100
72) Anthracene	11.463	178	104185	6.821	ng	97
73) Carbazole	11.622	167	39119	2.750	ng	97
75) Fluoranthene	12.610	202	719358	46.242	ng	98
78) Pyrene	12.845	202	768167	43.490	ng	99
81) Benzo(a)anthracene	14.039	228	412030	31.416	ng	97
83) Chrysene	14.074	228	346166	27.906	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	106425	11.591	ng	98
87) Indeno(1,2,3-cd)pyrene	17.104	276	164550	12.473	ng	95
88) Benzo(b)fluoranthene	15.110	252	461533m	39.621	ng	
89) Benzo(k)fluoranthene	15.139	252	113746m	10.024	ng	
90) Benzo(a)pyrene	15.492	252	317345	29.354	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	43016	3.938	ng	92
92) Benzo(g,h,i)perylene	17.574	276	155096	14.322	ng	98

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

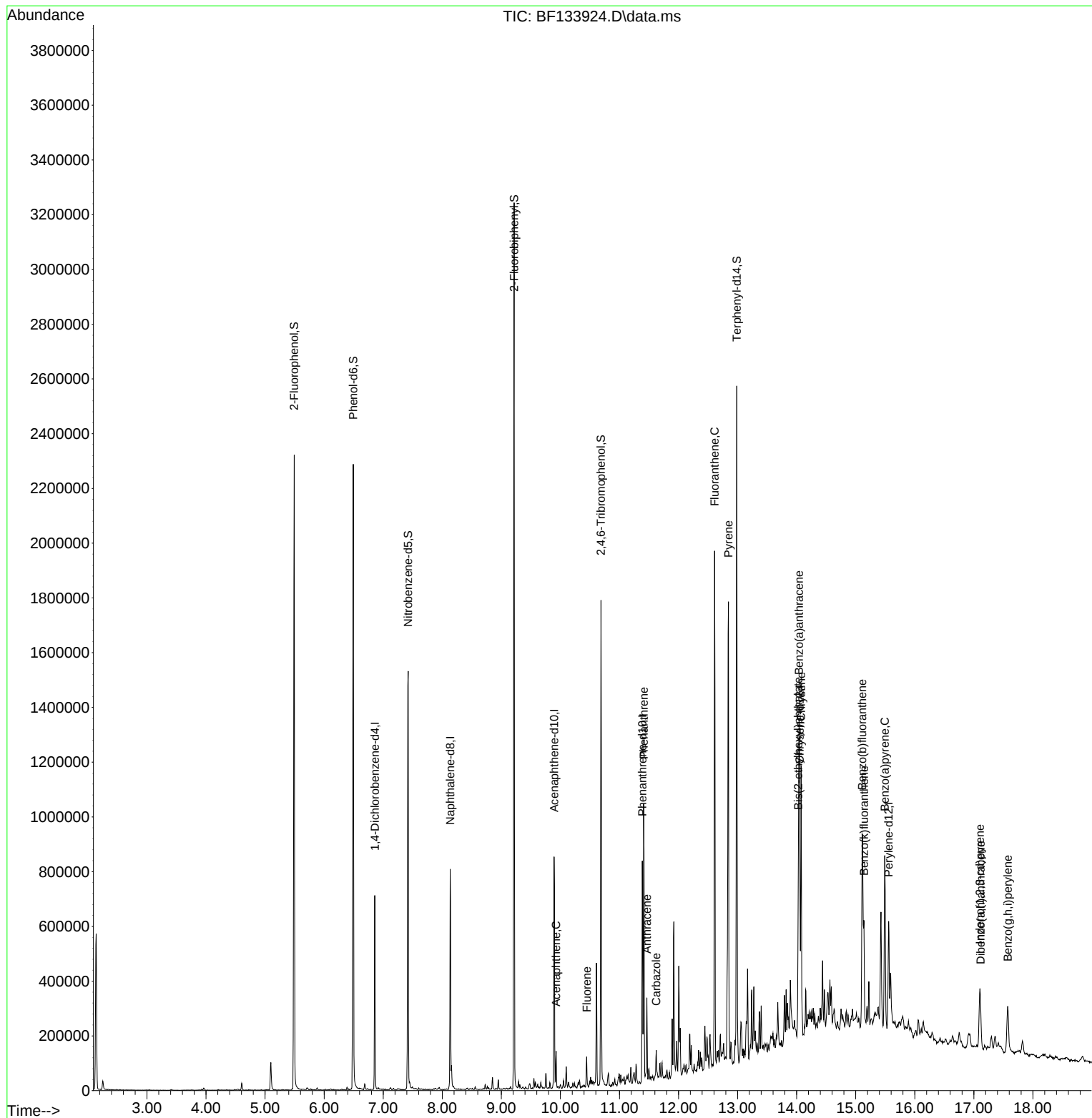
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
Data File : BF133924.D
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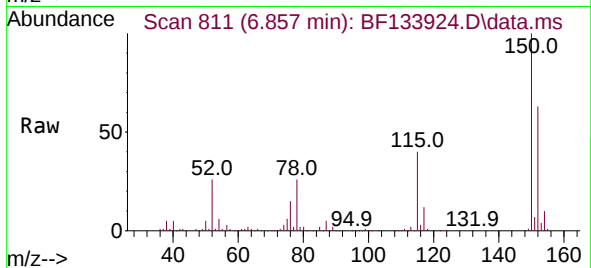
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

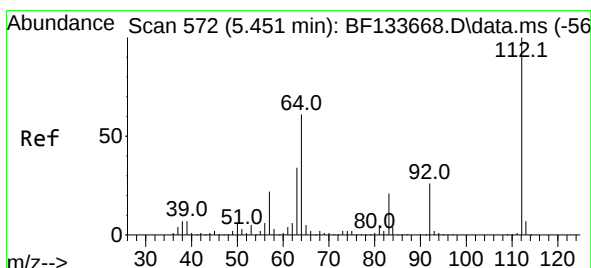
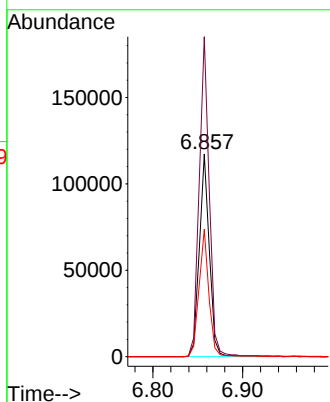
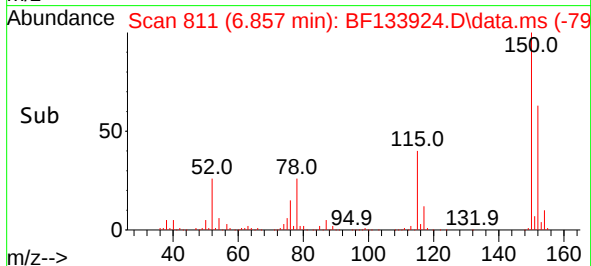
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8



Tgt Ion:152 Resp: 91340
Ion Ratio Lower Upper
152 100
150 158.0 124.3 186.5
115 62.9 48.5 72.7

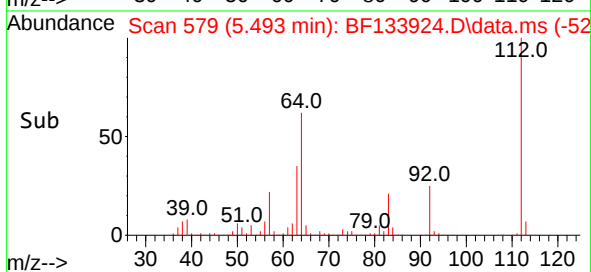
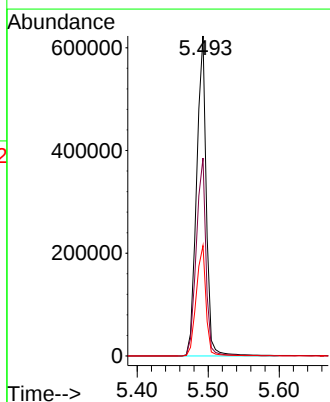
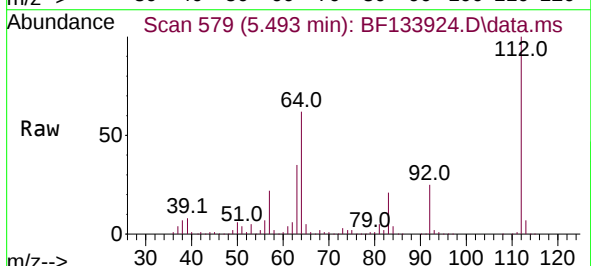
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#5
2-Fluorophenol
Concen: 113.305 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

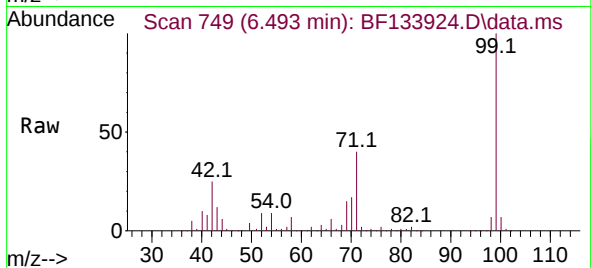
Tgt Ion:112 Resp: 594520
Ion Ratio Lower Upper
112 100
64 61.9 49.0 73.4
63 34.5 26.8 40.2





#7
Phenol-d6
Concen: 103.117 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

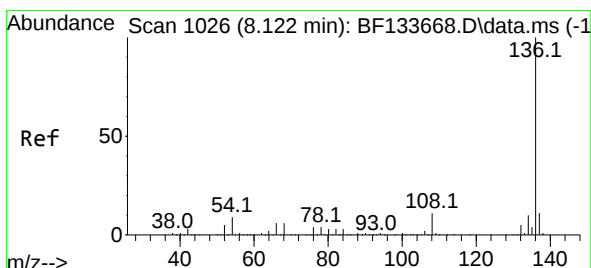
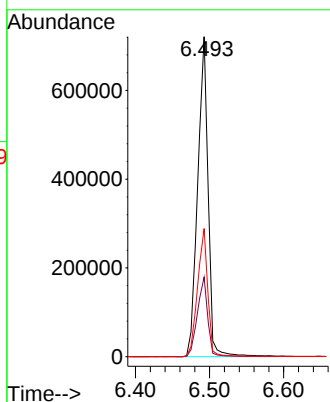
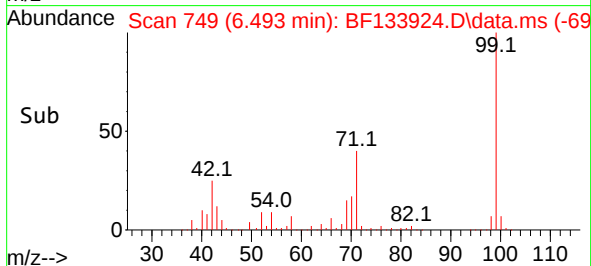
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8



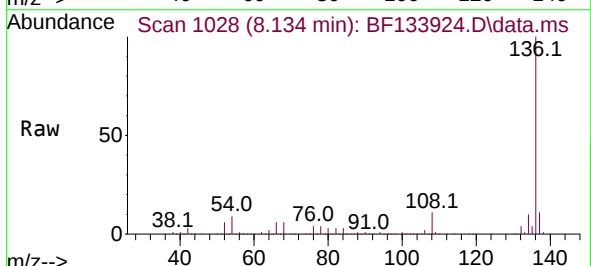
Tgt Ion: 99 Resp: 70427
Ion Ratio Lower Upper
99 100
42 24.9 19.9 29.9
71 40.1 32.2 48.4

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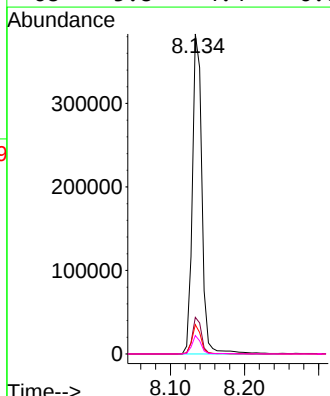
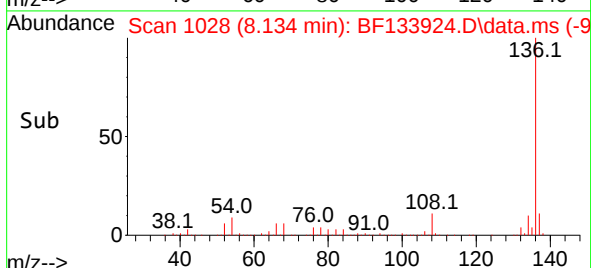
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38



Tgt Ion:136 Resp: 344597
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 9.2 7.4 11.0
68 5.8 4.4 6.6





#23

Nitrobenzene-d5

Concen: 76.298 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-0-8

Tgt Ion: 82 Resp: 482710

Ion Ratio Lower Upper

82 100

128 45.8 34.2 51.2

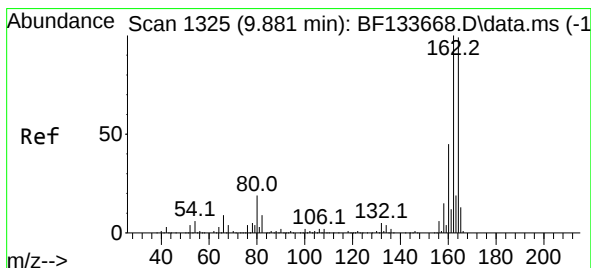
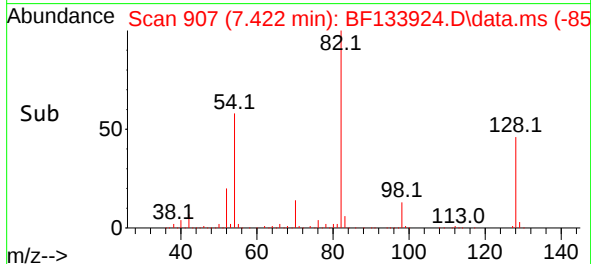
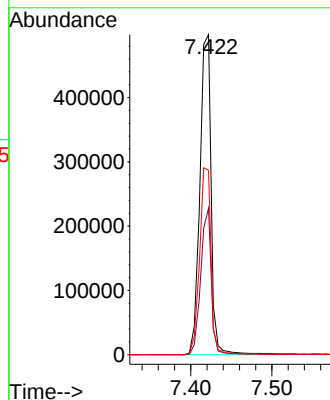
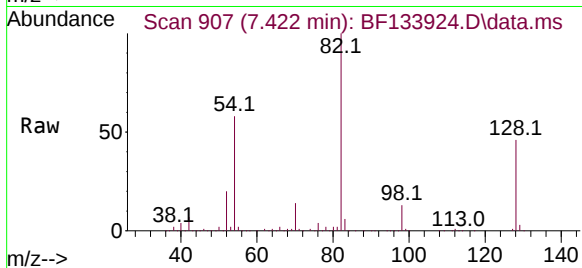
54 57.6 46.5 69.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

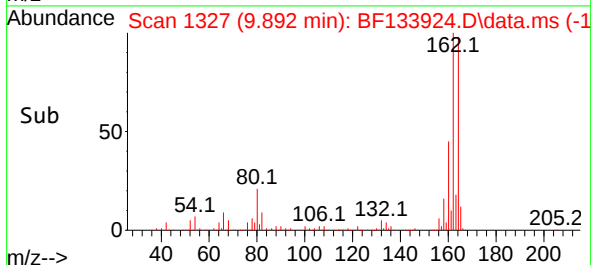
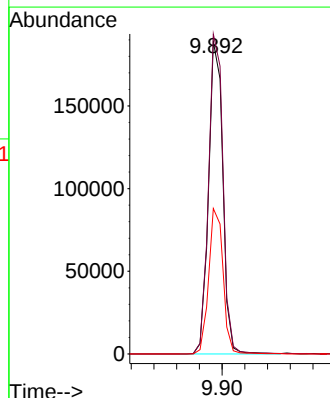
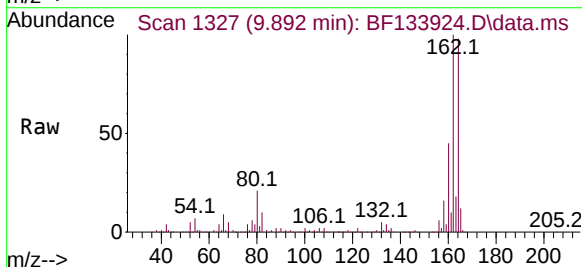
Tgt Ion:164 Resp: 164295

Ion Ratio Lower Upper

164 100

162 102.4 80.8 121.2

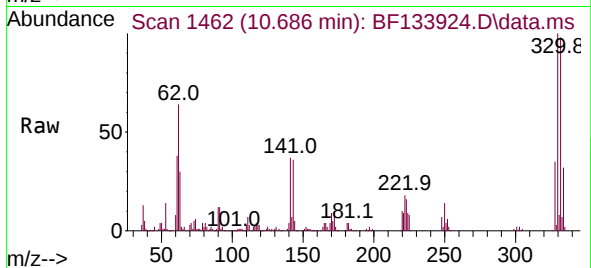
160 46.6 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 98.358 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

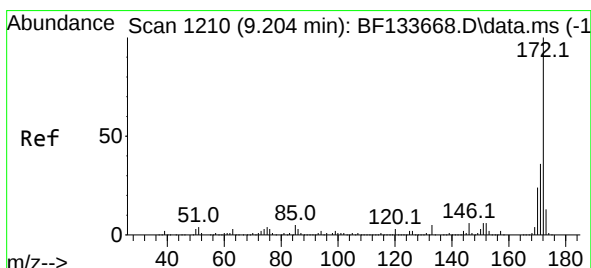
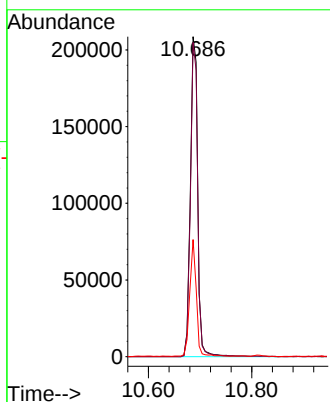
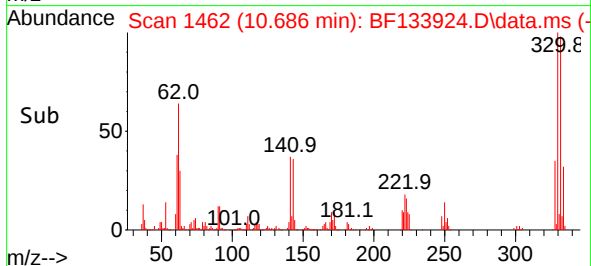
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8



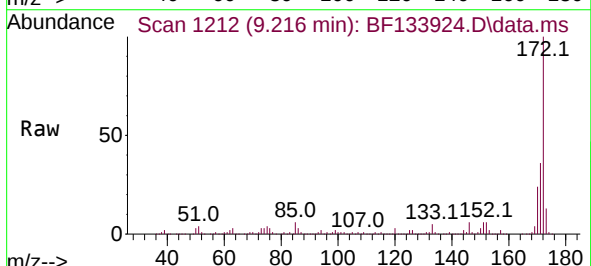
Tgt Ion:330 Resp: 20455
Ion Ratio Lower Upper
330 100
332 96.9 77.2 115.8
141 32.9 24.9 37.3

Manual Integrations
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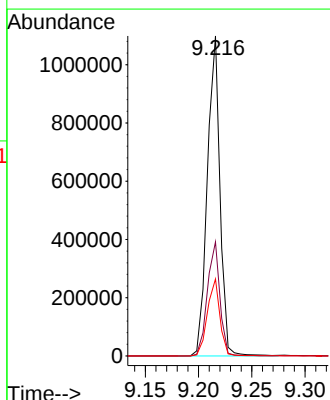
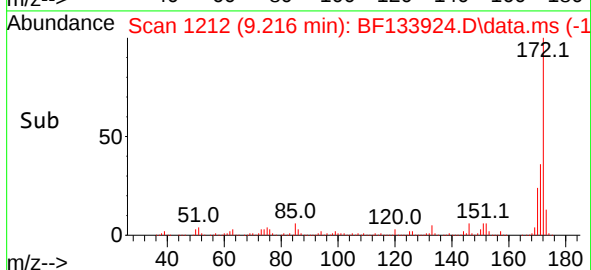
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

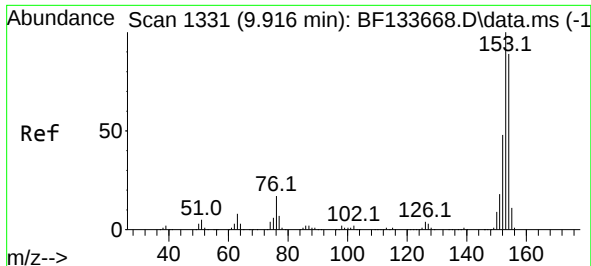


#45
2-Fluorobiphenyl
Concen: 78.591 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38



Tgt Ion:172 Resp: 908339
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 24.1 19.1 28.7





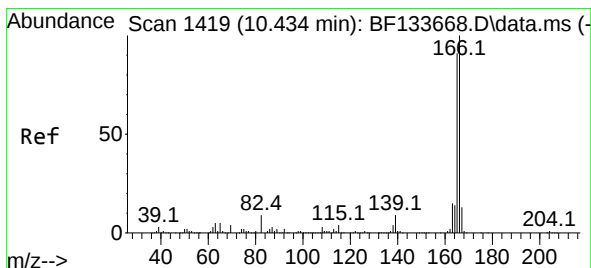
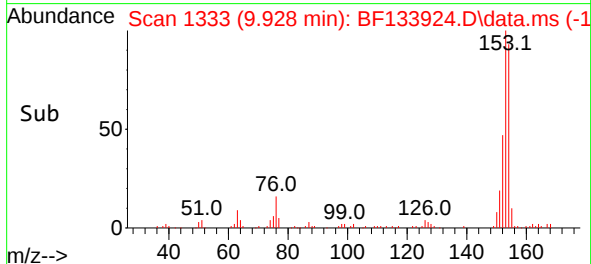
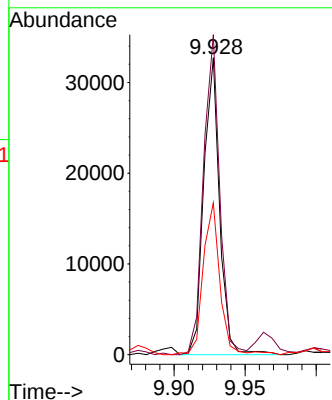
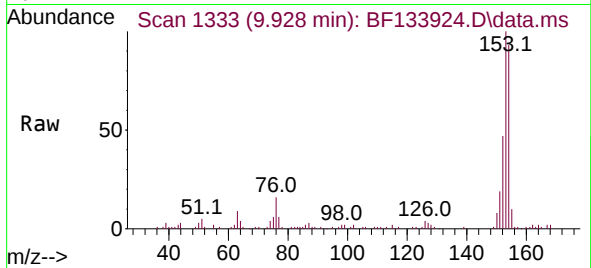
#52
Acenaphthene
Concen: 2.623 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

Tgt Ion:154 Resp: 2540
Ion Ratio Lower Upper
154 100
153 107.7 89.8 134.8
152 51.1 43.4 65.2

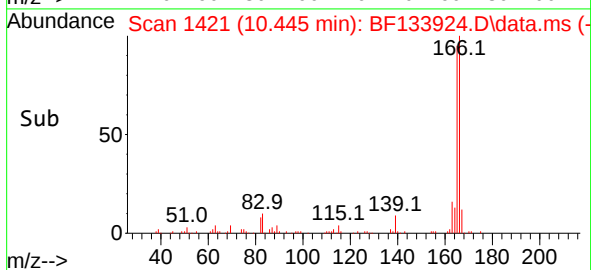
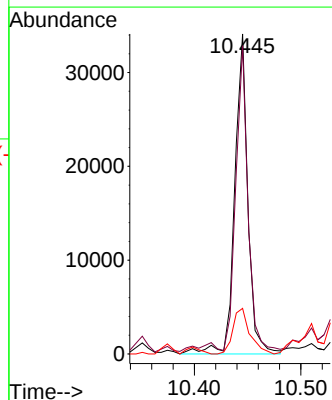
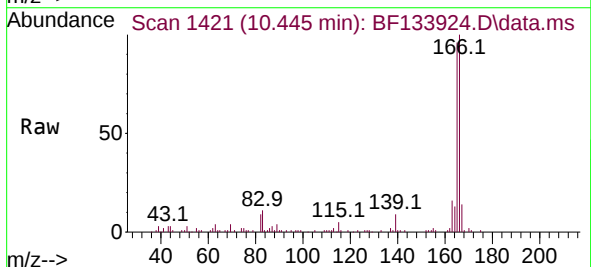
Manual Integrations
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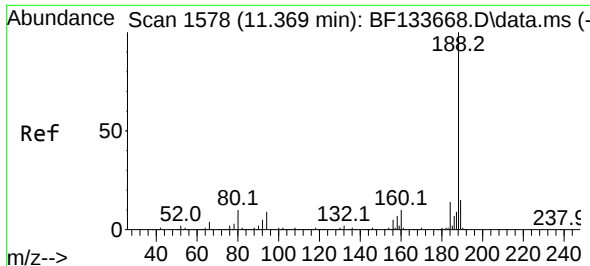
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#58
Fluorene
Concen: 2.605 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

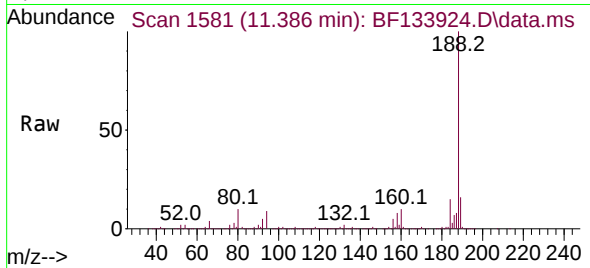
Tgt Ion:166 Resp: 29434
Ion Ratio Lower Upper
166 100
165 96.3 73.1 109.7
167 14.3 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

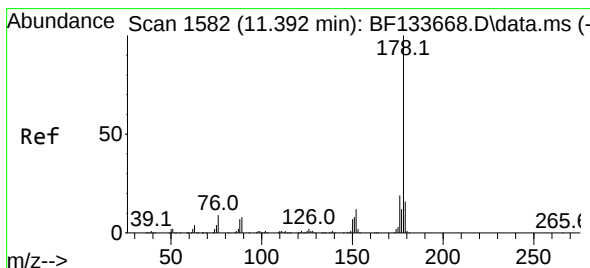
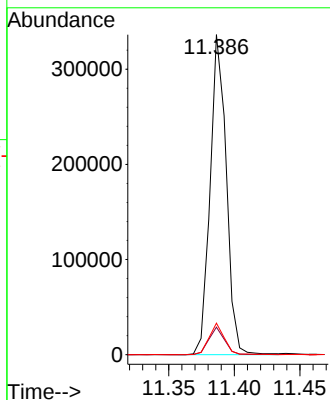
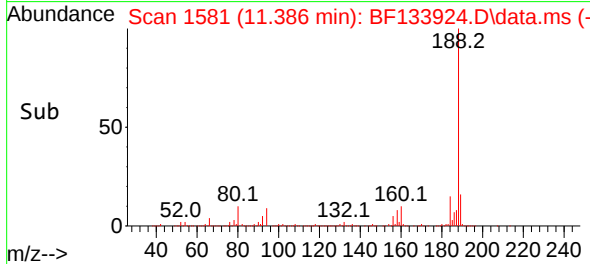
Instrument :
BNA_F
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COMPOSIT-SW01-0-8



Tgt Ion:188 Resp: 28874
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.9 7.8 11.6

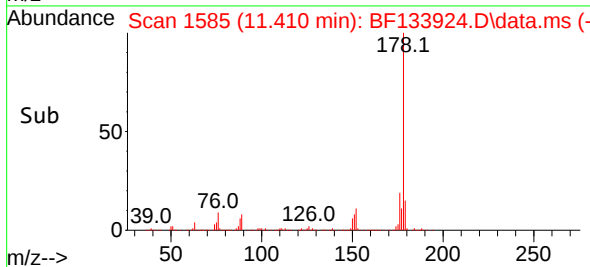
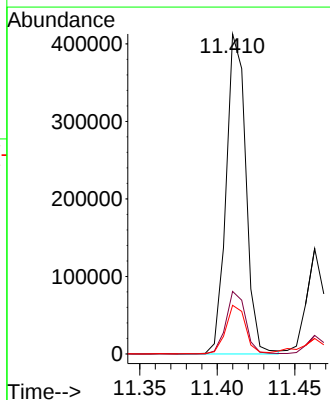
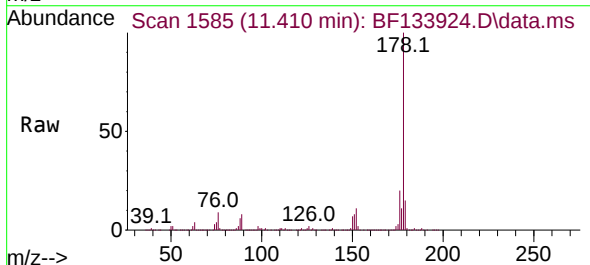
Manual Integrations
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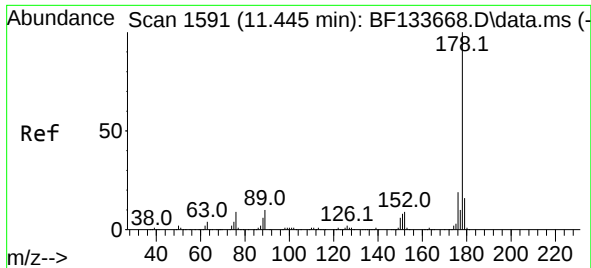
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#71
Phenanthrene
Concen: 24.924 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

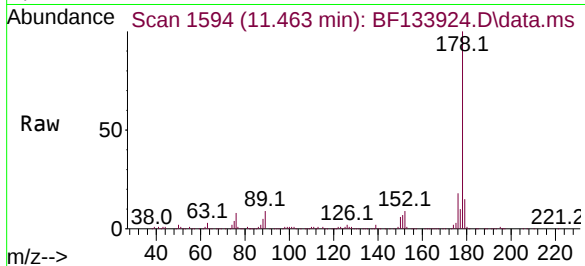
Tgt Ion:178 Resp: 365120
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 6.821 ng
 RT: 11.463 min Scan# 1591
 Delta R.T. -0.012 min
 Lab File: BF133924.D
 Acq: 23 Jun 2023 03:38

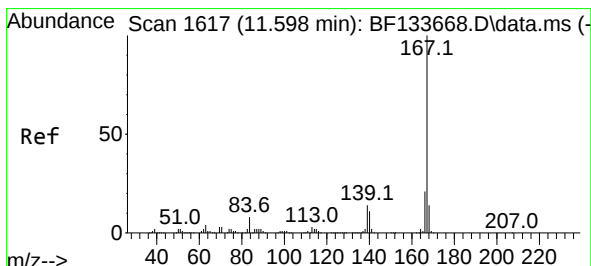
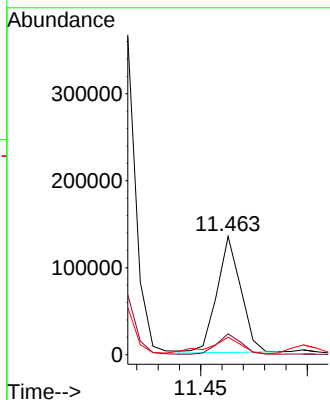
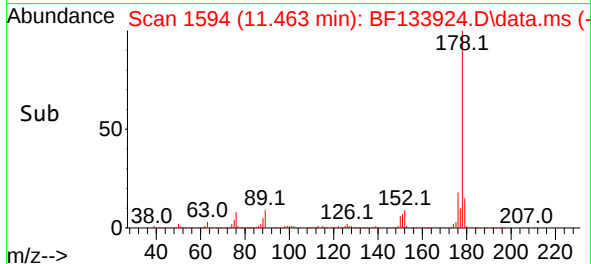
Instrument :
 BNA_F
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 COMPOSIT-SW01-0-8



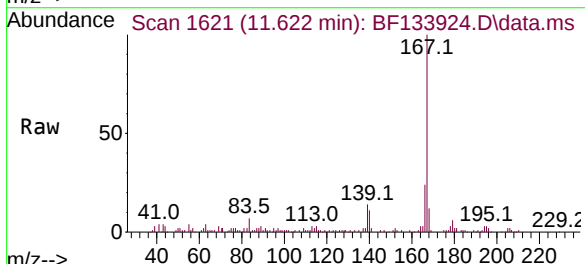
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 Ion Ratio Lower Upper
 178 100
 176 17.6 15.1 22.7
 179 14.7 12.6 18.8

Manual Integrations
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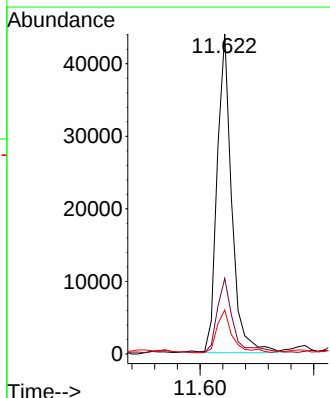
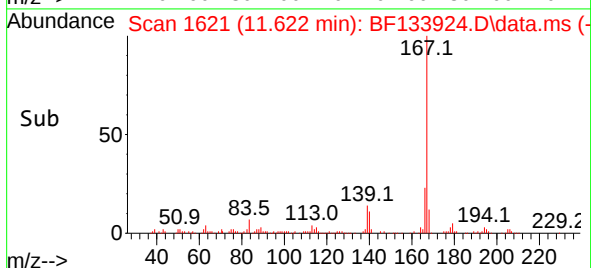
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

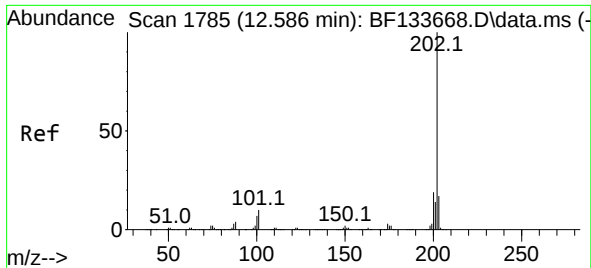


#73
 Carbazole
 Concen: 2.750 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF133924.D
 Acq: 23 Jun 2023 03:38



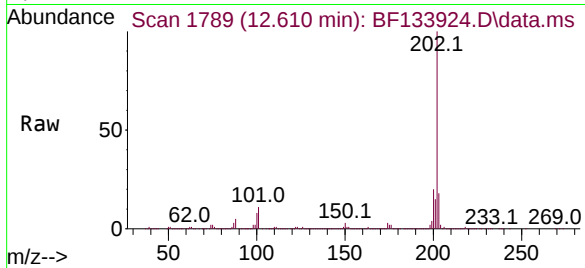
Tgt Ion:167 Resp: 39119
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.0 25.6
 139 13.8 11.2 16.8





#75
Fluoranthene
Concen: 46.242 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

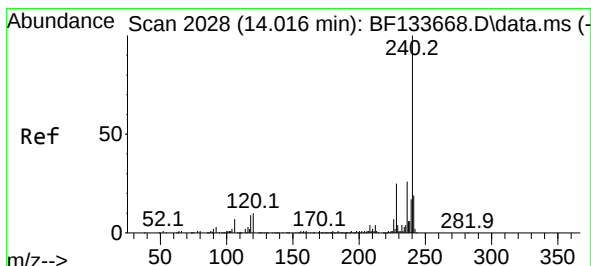
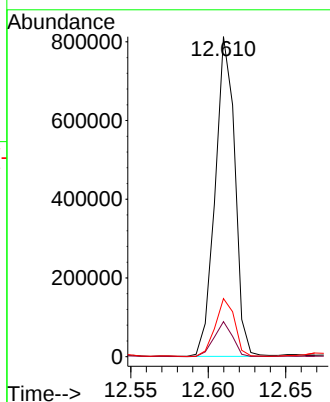
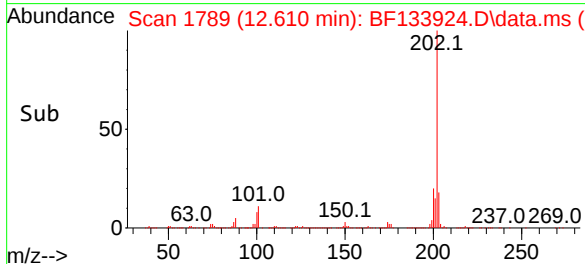
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8



Tgt Ion:202 Resp: 719358
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.6
203 18.2 0.0 37.4

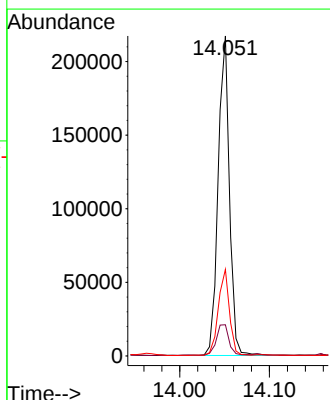
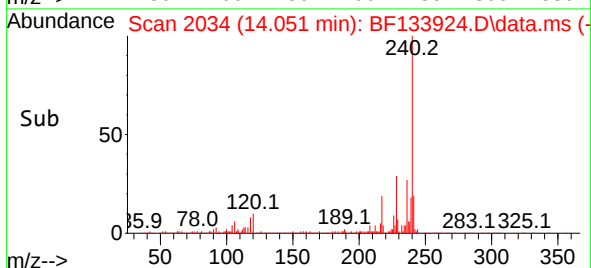
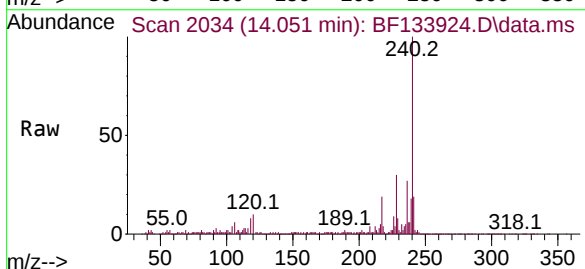
Manual Integrations
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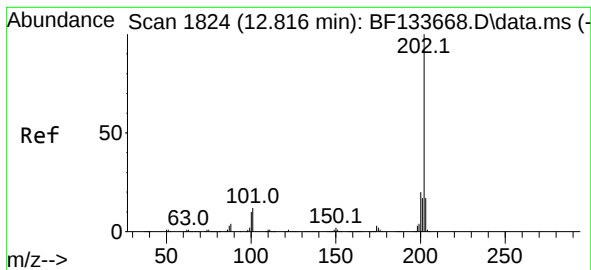
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:240 Resp: 189611
Ion Ratio Lower Upper
240 100
120 9.7 8.1 12.1
236 27.1 20.5 30.7





#78

Pyrene

Concen: 43.490 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-0-8

Tgt Ion:202 Resp: 76816

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

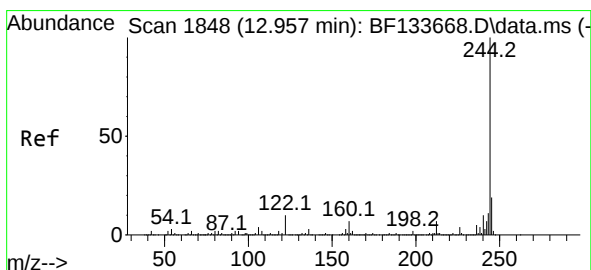
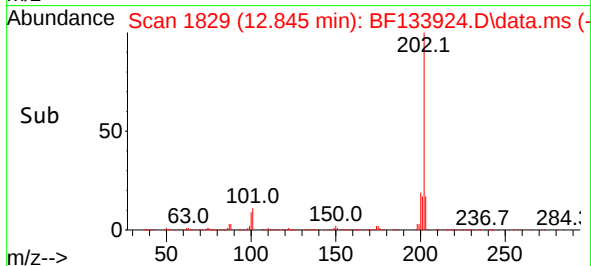
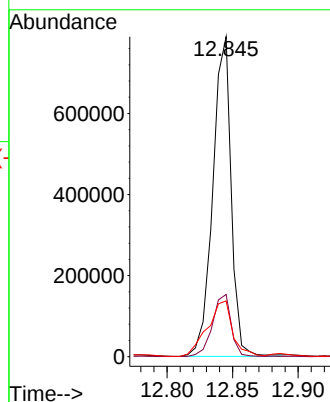
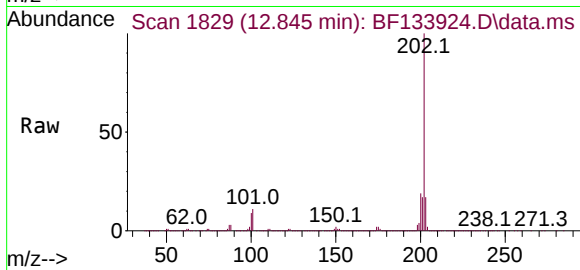
203 17.4 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#79

Terphenyl-d14

Concen: 66.488 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

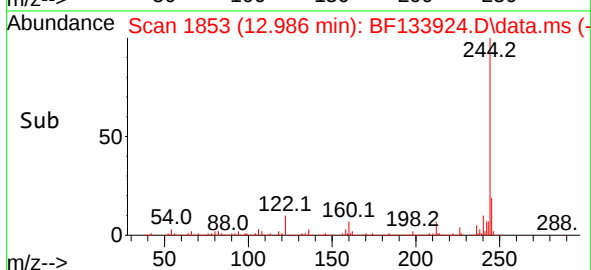
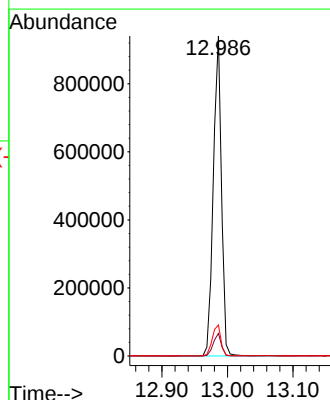
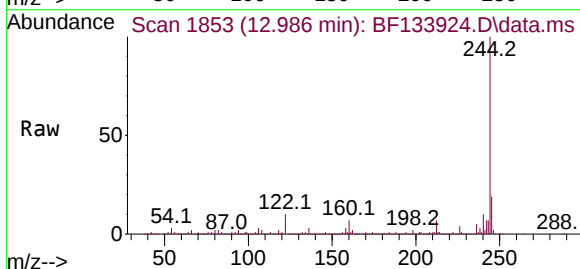
Tgt Ion:244 Resp: 814744

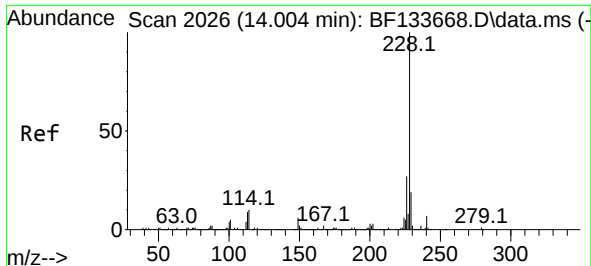
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 9.7 8.1 12.1





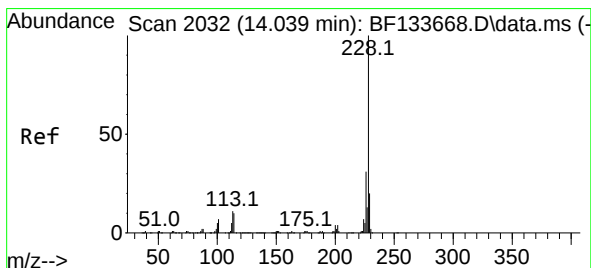
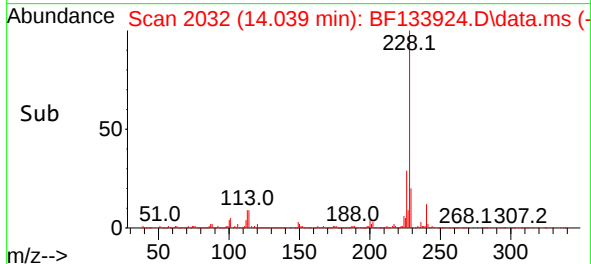
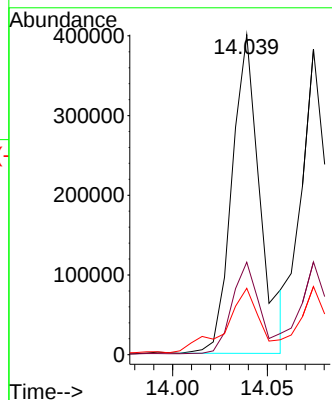
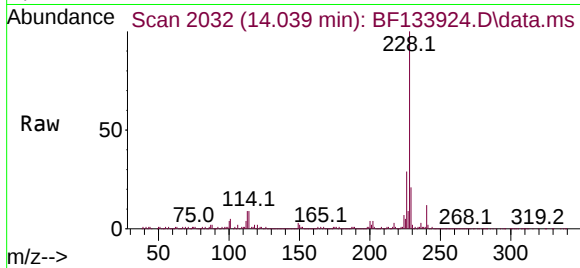
#81
Benzo(a)anthracene
Concen: 31.416 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8

Tgt Ion:228 Resp: 412030
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 20.8 15.4 23.2

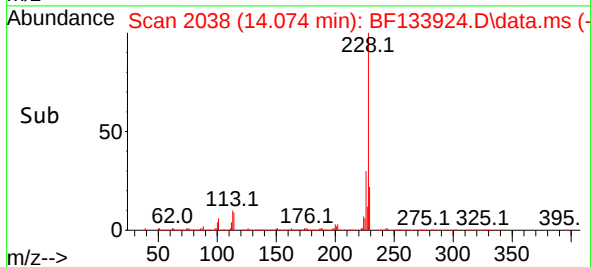
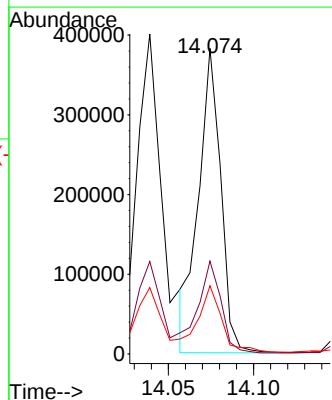
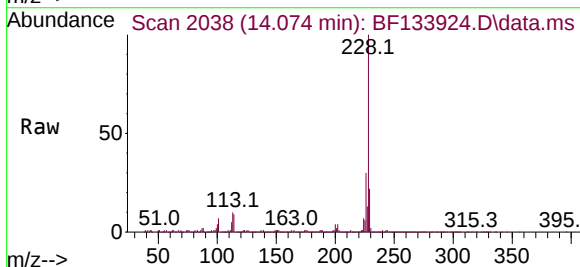
Manual Integrations
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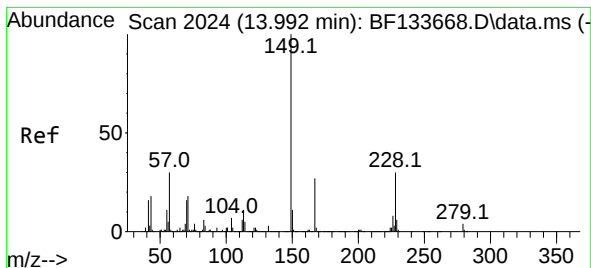
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#83
Chrysene
Concen: 27.906 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

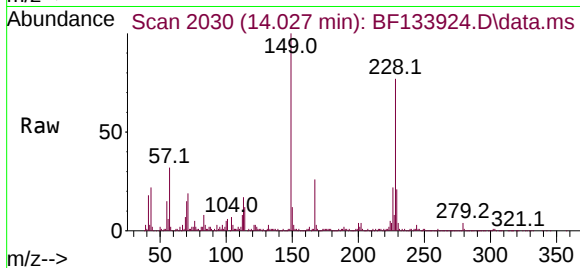
Tgt Ion:228 Resp: 346166
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.3 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 11.591 ng
RT: 14.027 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

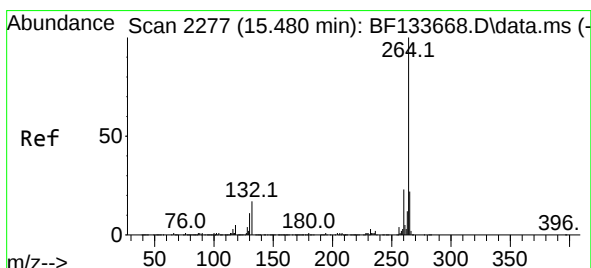
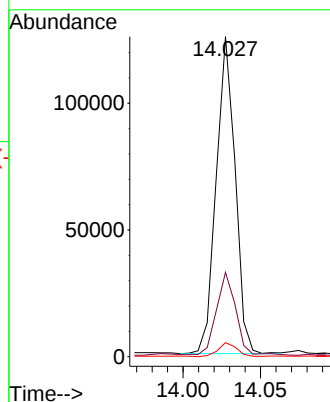
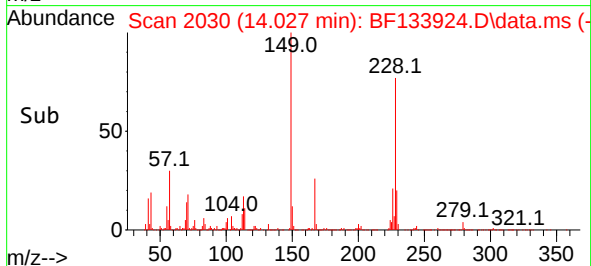
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8



Tgt Ion:149 Resp: 106429
Ion Ratio Lower Upper
149 100
167 26.3 21.8 32.8
279 4.4 3.3 4.9

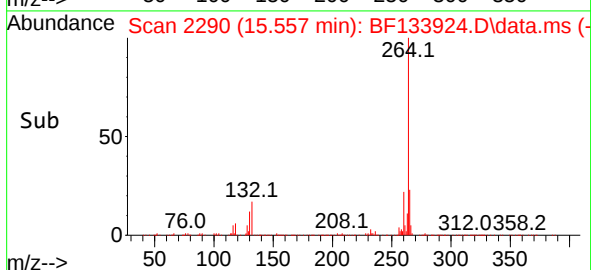
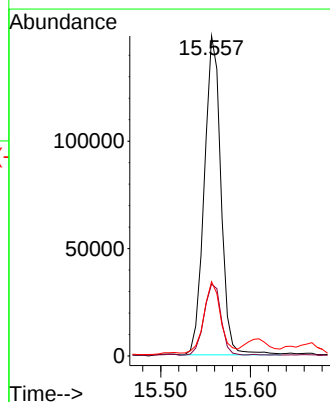
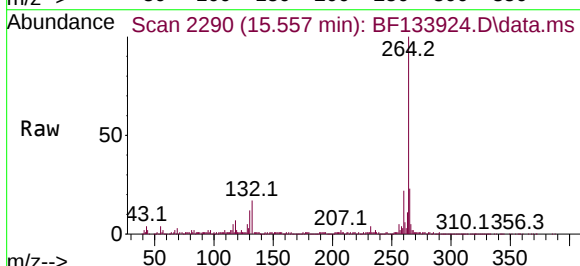
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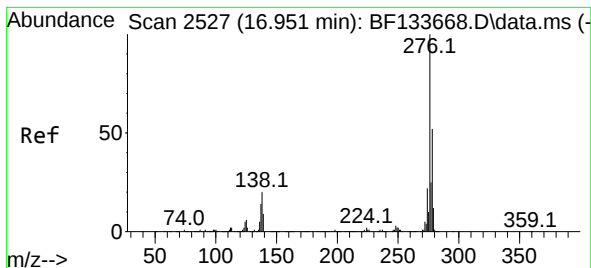
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:264 Resp: 191762
Ion Ratio Lower Upper
264 100
260 22.4 18.2 27.2
265 23.2 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.473 ng

RT: 17.104 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-0-8

Tgt Ion:276 Resp: 164550

Ion Ratio Lower Upper

276 100

138 19.7 17.9 26.9

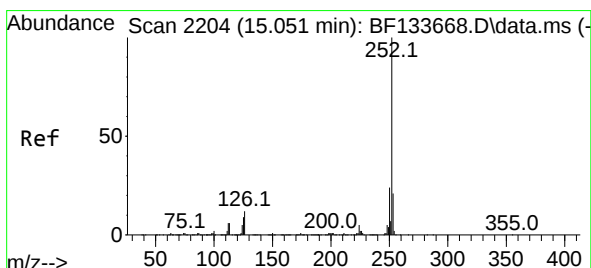
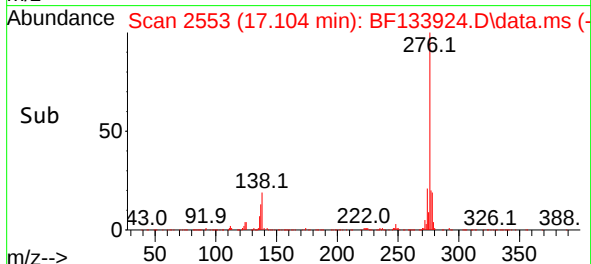
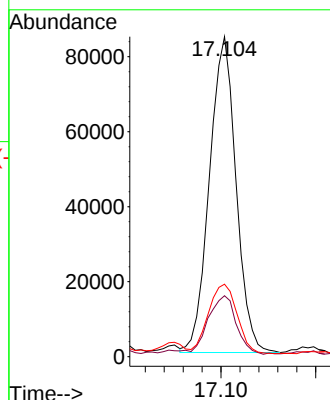
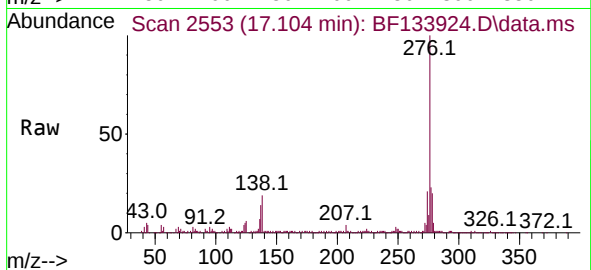
277 23.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#88

Benzo(b)fluoranthene

Concen: 39.621 ng m

RT: 15.110 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF133924.D

Acq: 23 Jun 2023 03:38

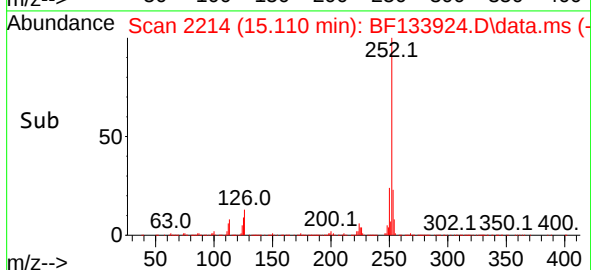
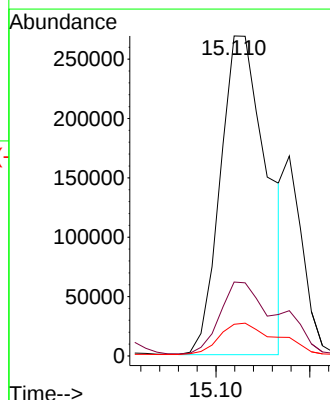
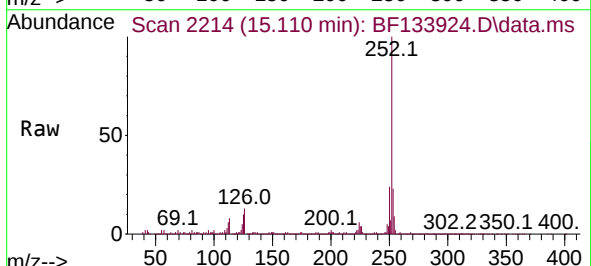
Tgt Ion:252 Resp: 461533

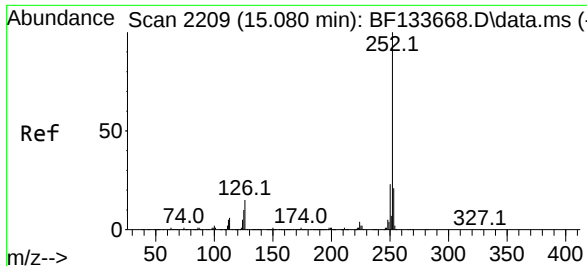
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

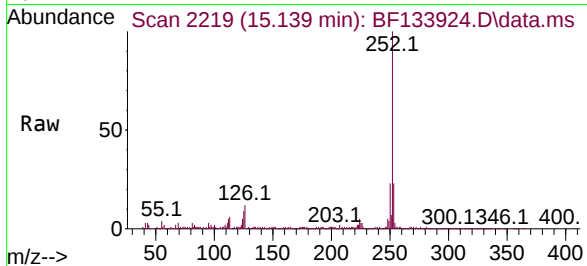
125 9.9 7.3 10.9





#89
Benzo(k)fluoranthene
Concen: 10.024 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

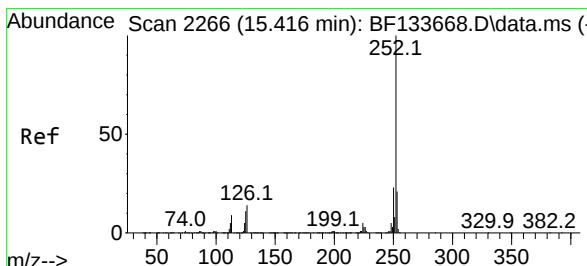
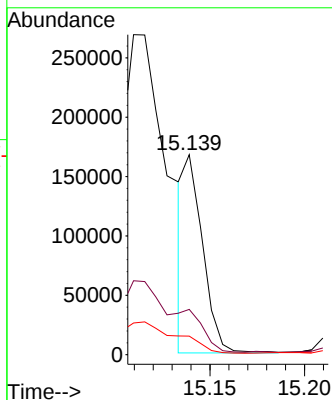
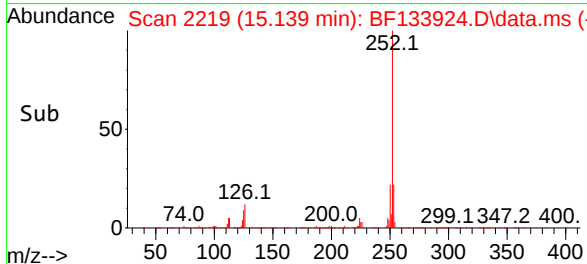
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8



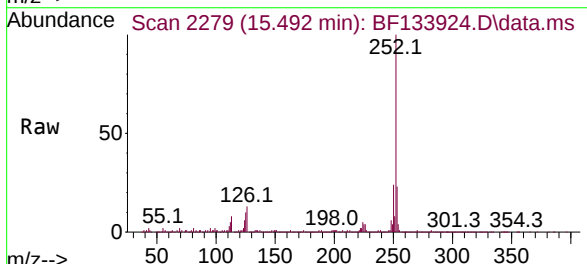
Tgt Ion:252 Resp: 113740
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 9.3 7.8 11.6

Manual Integrations
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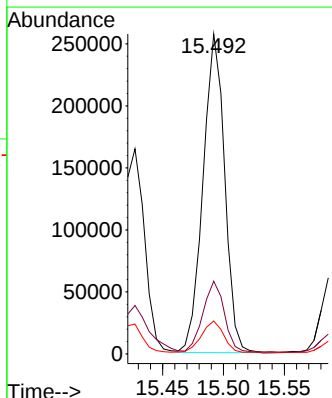
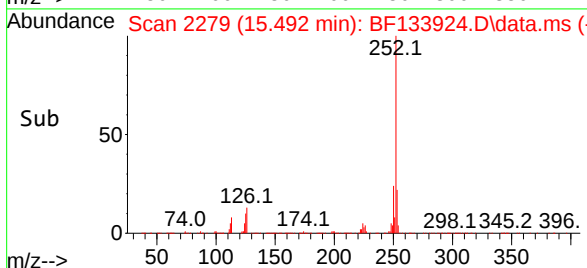
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

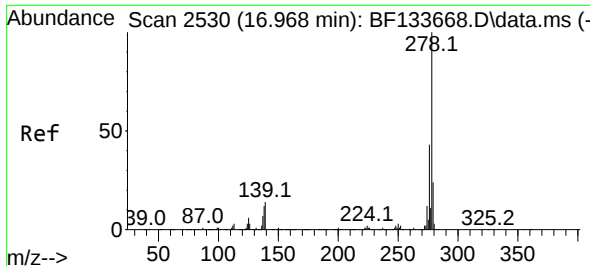


#90
Benzo(a)pyrene
Concen: 29.354 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38



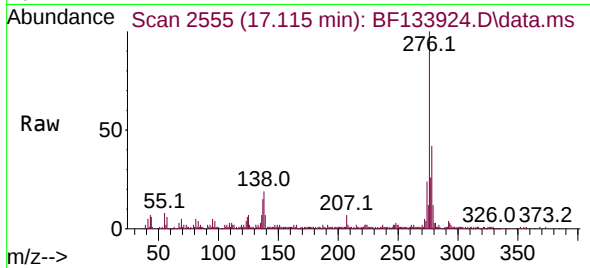
Tgt Ion:252 Resp: 317345
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 10.3 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 3.938 ng
RT: 17.115 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

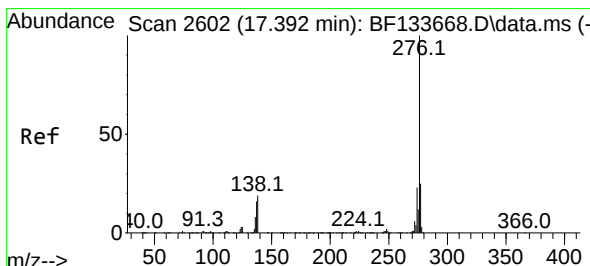
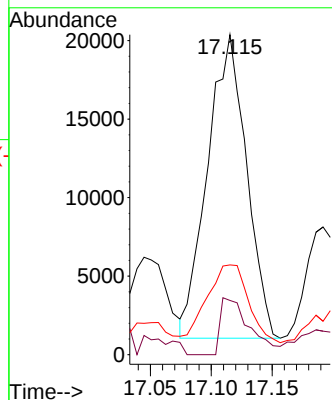
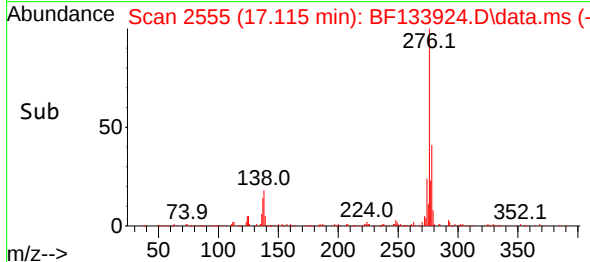
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-0-8



Tgt Ion:278 Resp: 43010
Ion Ratio Lower Upper
278 100
139 17.0 11.4 17.2
279 28.1 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#92
Benzo(g,h,i)perylene
Concen: 14.322 ng
RT: 17.574 min Scan# 2633
Delta R.T. -0.017 min
Lab File: BF133924.D
Acq: 23 Jun 2023 03:38

Tgt Ion:276 Resp: 155096
Ion Ratio Lower Upper
276 100
277 23.4 19.8 29.8
138 19.2 15.0 22.4

