

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134022.D
 Acq On : 28 Jun 2023 09:36
 Operator : CG\JU
 Sample : 03362-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-32-37

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 11:26:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	100568	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	310303	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	154168	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	261173	20.000	ng	0.00
76) Chrysene-d12	14.051	240	139319	20.000	ng	0.00
86) Perylene-d12	15.556	264	143093	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	564229	93.849	ng	0.01
7) Phenol-d6	6.486	99	589304	79.704	ng	0.00
23) Nitrobenzene-d5	7.416	82	363026	63.064	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	160124	82.839	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	686065	64.700	ng	0.00
79) Terphenyl-d14	12.986	244	658262	76.043	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.922	154	18140	2.023	ng	100
71) Phenanthrene	11.410	178	289028	21.983	ng	98
72) Anthracene	11.463	178	79001	5.777	ng	98
73) Carbazole	11.621	167	35254	2.816	ng	97
75) Fluoranthene	12.610	202	510741	35.932	ng	98
78) Pyrene	12.839	202	451429	34.818	ng	99
81) Benzo(a)anthracene	14.039	228	204281	21.143	ng	96
83) Chrysene	14.074	228	158737	16.962	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	21323	3.816	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.109	276	72411	7.293	ng	96
88) Benzo(b)fluoranthene	15.115	252	209518m	24.901	ng	
89) Benzo(k)fluoranthene	15.139	252	54607m	6.374	ng	
90) Benzo(a)pyrene	15.492	252	154998	19.050	ng	97
91) Dibenzo(a,h)anthracene	17.121	278	19300	2.380	ng	# 64
92) Benzo(g,h,i)perylene	17.580	276	74549	8.914	ng	# 93

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

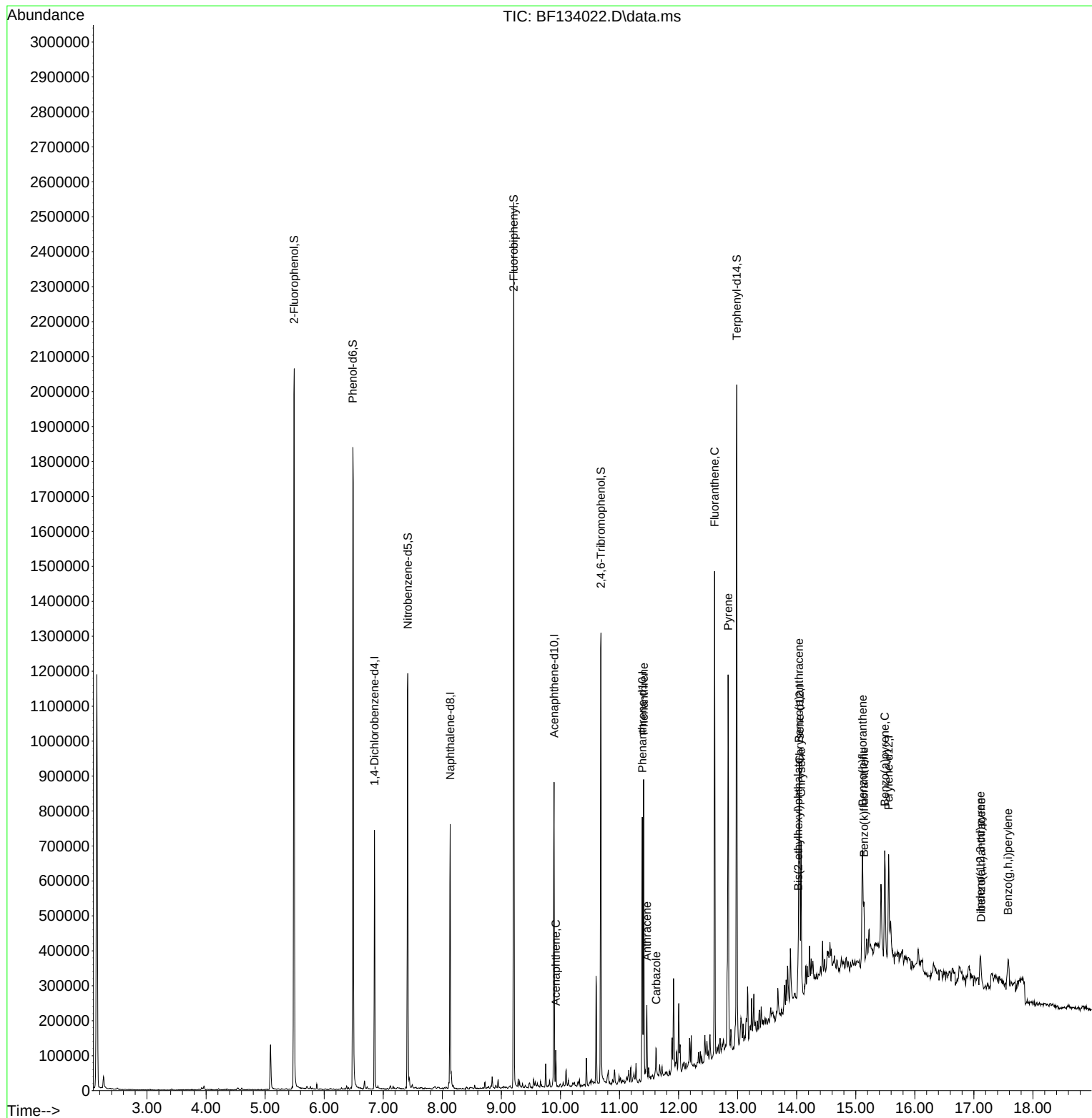
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
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ALS Vial : 39 Sample Multiplier: 1

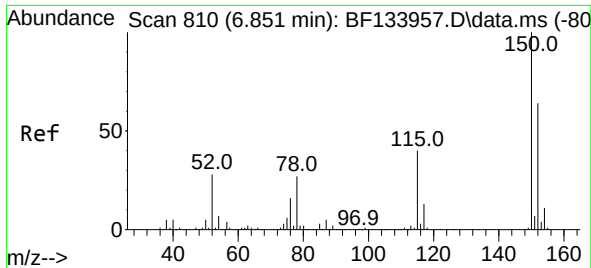
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Quant Time: Jun 28 11:26:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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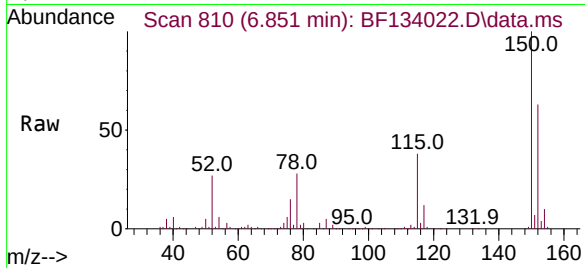
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

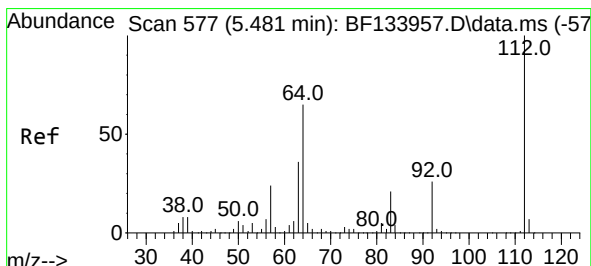
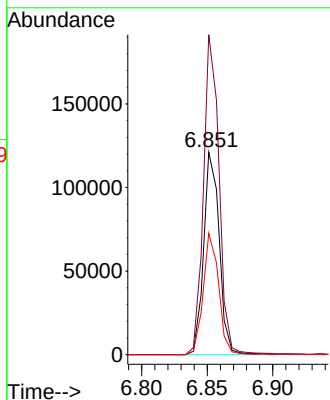
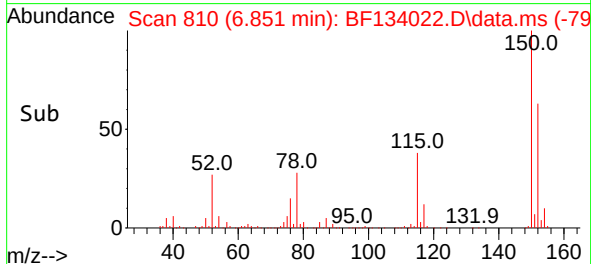
Instrument :
BNA_F
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Tgt Ion:152 Resp: 100568
Ion Ratio Lower Upper
152 100
150 158.1 124.5 186.7
115 60.0 50.2 75.2

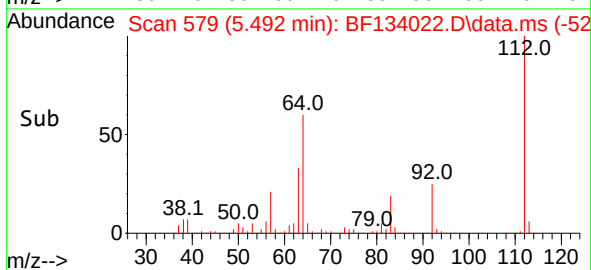
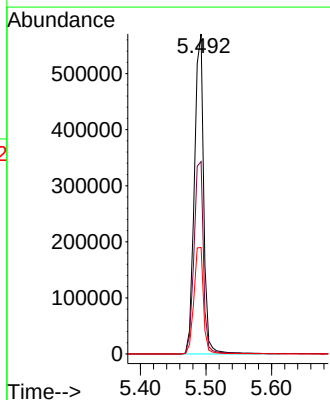
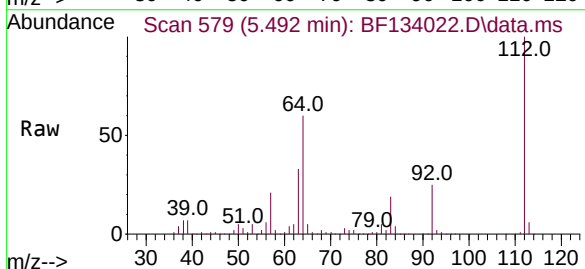
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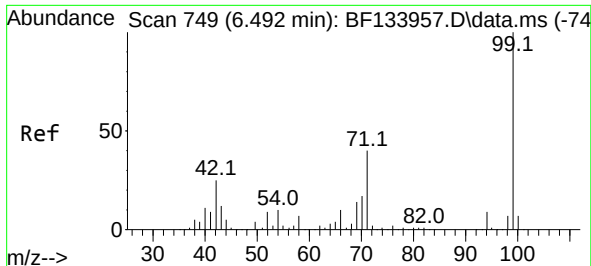
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#5
2-Fluorophenol
Concen: 93.849 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

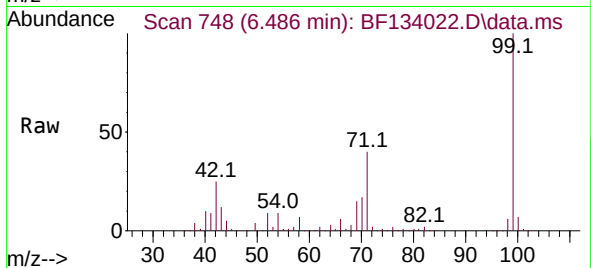
Tgt Ion:112 Resp: 564229
Ion Ratio Lower Upper
112 100
64 60.1 52.1 78.1
63 33.2 28.6 42.8





#7
Phenol-d6
Concen: 79.704 ng
RT: 6.486 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

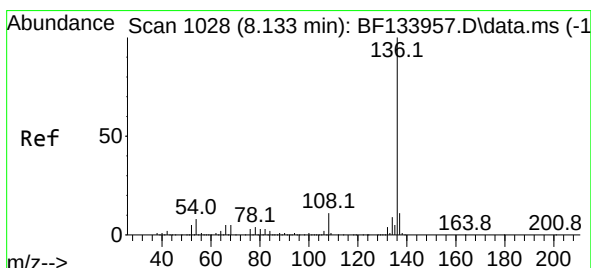
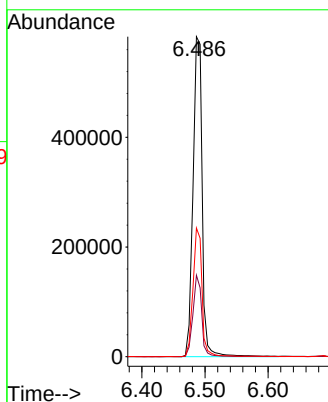
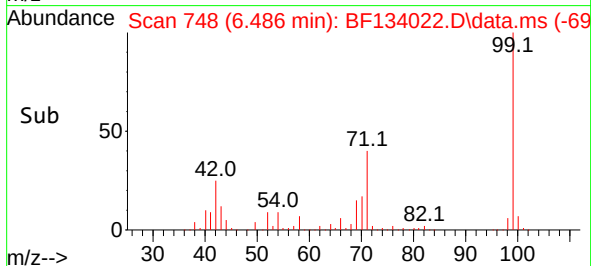
Instrument :
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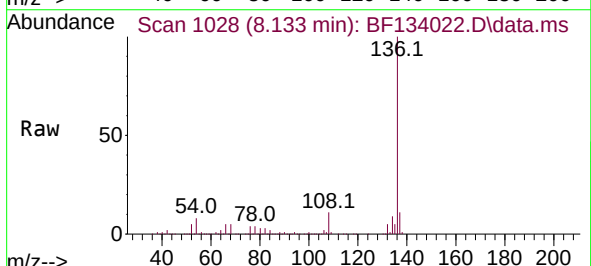
Tgt Ion: 99 Resp: 589304
Ion Ratio Lower Upper
99 100
42 25.4 19.8 29.6
71 40.2 31.9 47.9

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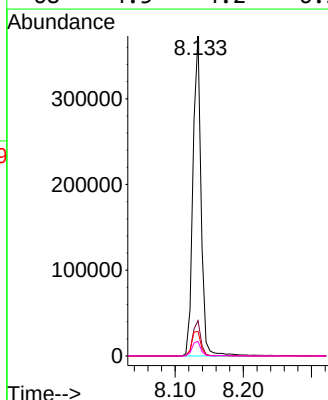
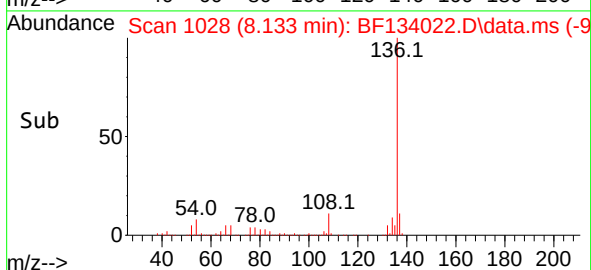
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

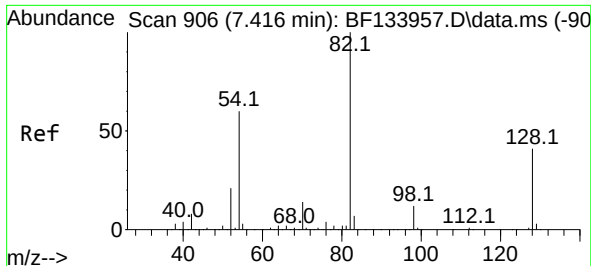


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36



Tgt Ion:136 Resp: 310303
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.7 6.5 9.7
68 4.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 63.064 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF134022.D

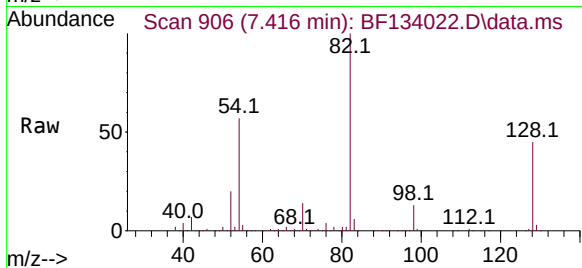
Acq: 28 Jun 2023 09:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-32-37



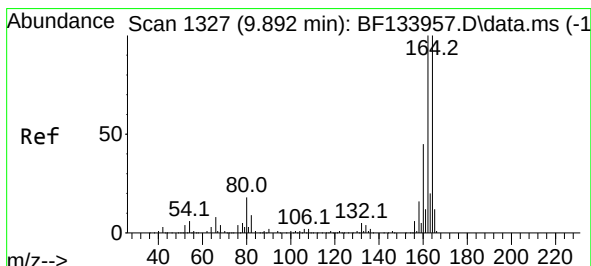
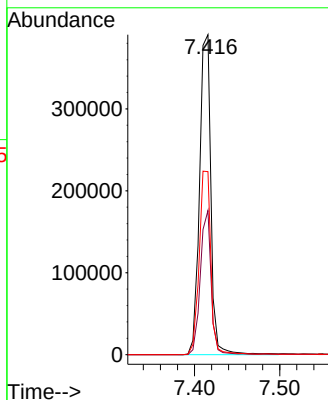
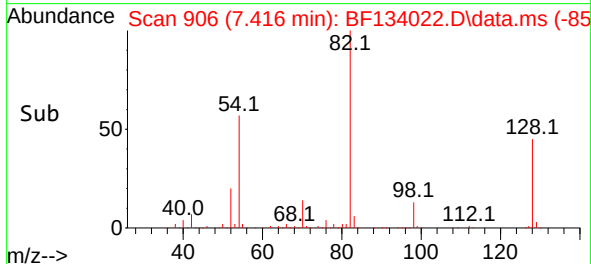
Tgt Ion: 82 Resp: 363020

Ion	Ratio	Lower	Upper
82	100		
128	45.1	32.5	48.7
54	57.2	48.2	72.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

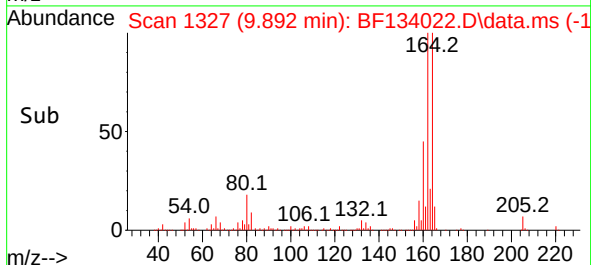
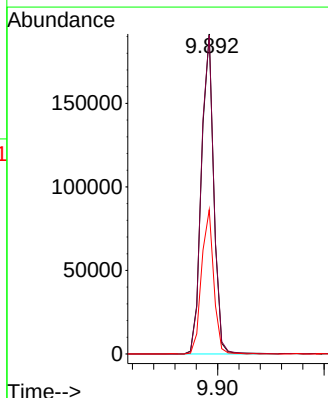
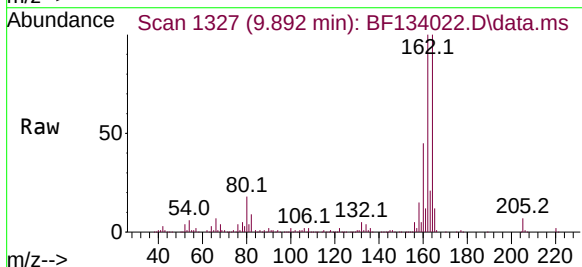
Delta R.T. 0.000 min

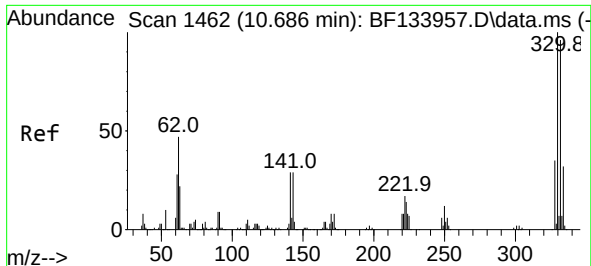
Lab File: BF134022.D

Acq: 28 Jun 2023 09:36

Tgt Ion:164 Resp: 154168

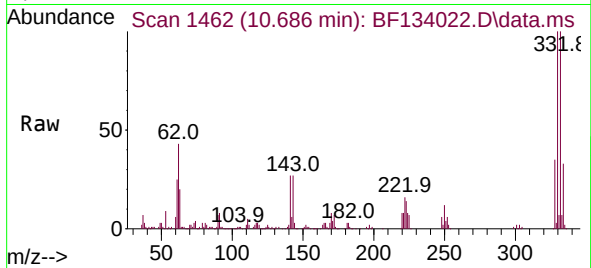
Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.0	120.0
160	45.1	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 82.839 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

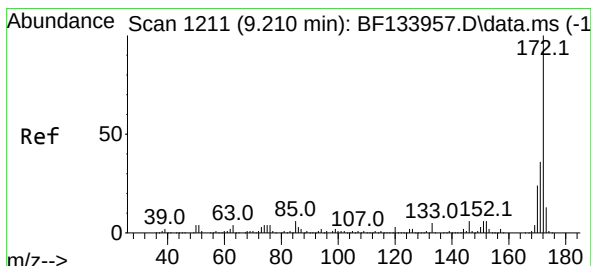
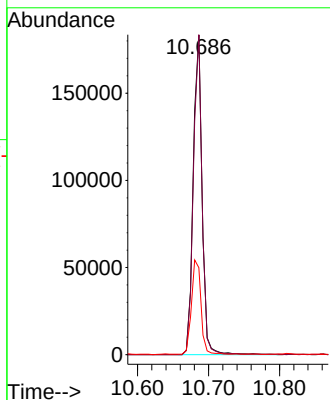
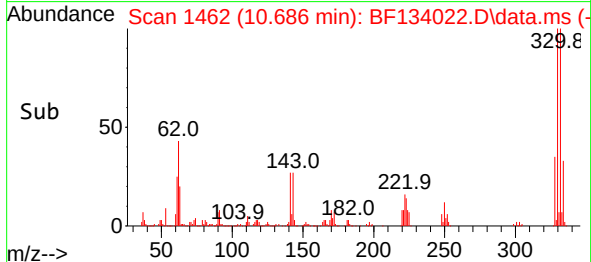
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37



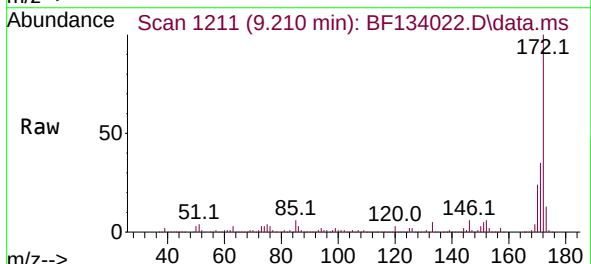
Tgt Ion:330 Resp: 160124
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.6
141 31.4 26.3 39.5

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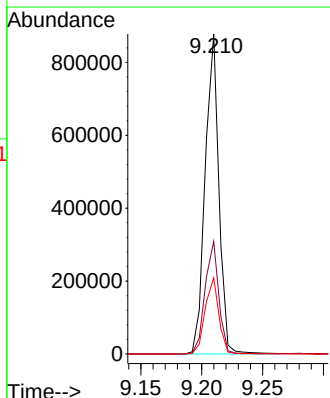
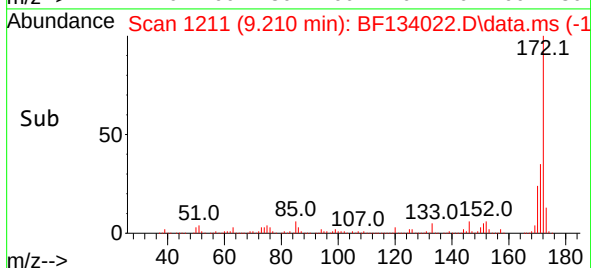
Reviewed By :Yogesh Patel 06/29/2023
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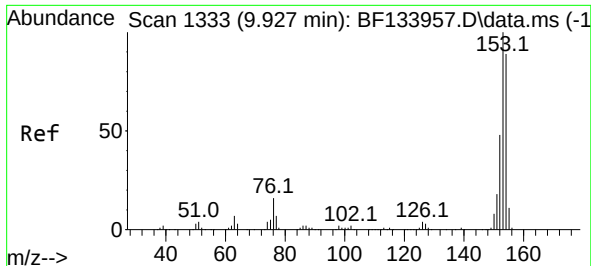


#45
2-Fluorobiphenyl
Concen: 64.700 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36



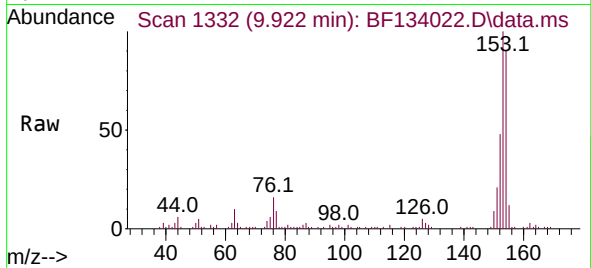
Tgt Ion:172 Resp: 686065
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.8 19.4 29.0





#52
Acenaphthene
Concen: 2.023 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

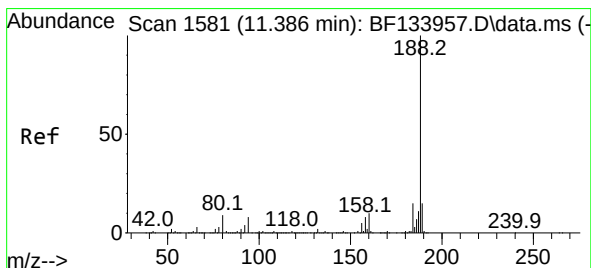
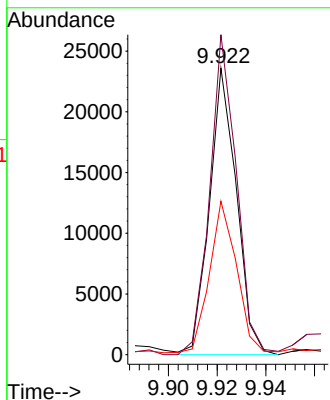
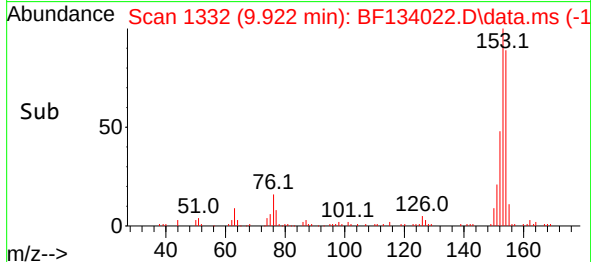
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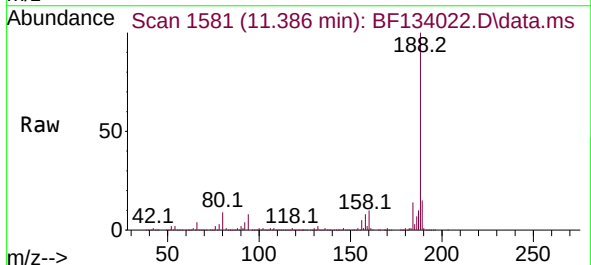
Tgt Ion:154 Resp: 18140
Ion Ratio Lower Upper
154 100
153 111.7 89.4 134.2
152 53.5 42.8 64.2

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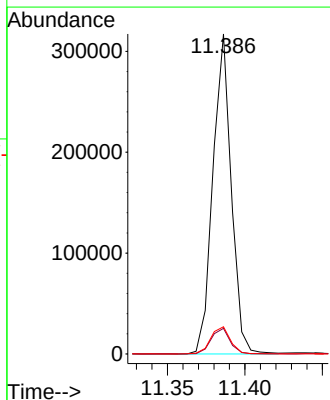
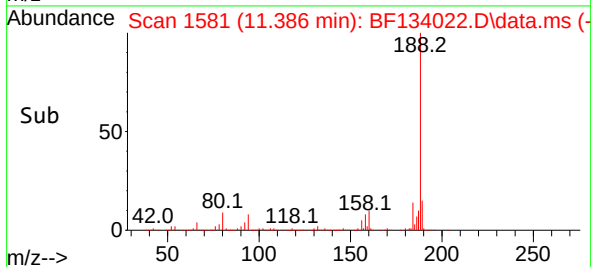
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

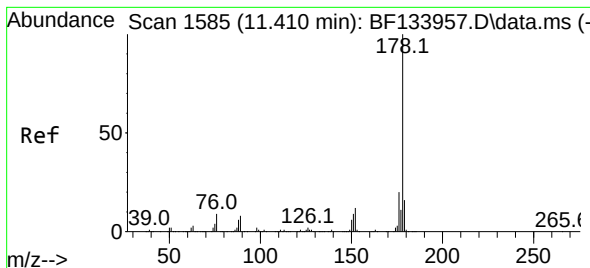


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36



Tgt Ion:188 Resp: 261173
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.5 7.3 10.9





#71

Phenanthrene

Concen: 21.983 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF134022.D

Acq: 28 Jun 2023 09:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-32-37

Tgt Ion:178 Resp: 289028

Ion Ratio Lower Upper

178 100

176 18.9 16.0 24.0

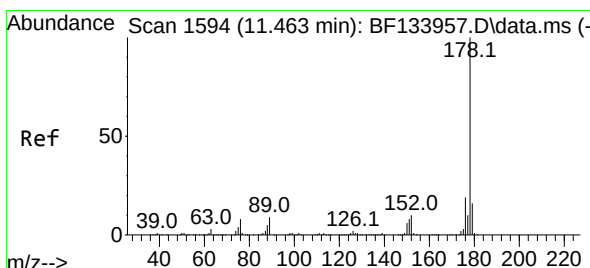
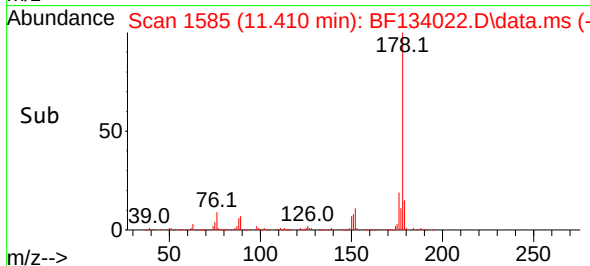
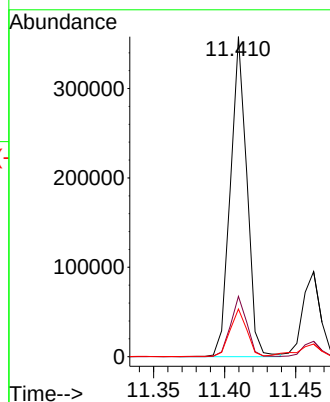
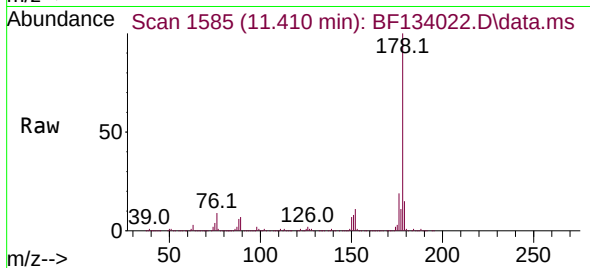
179 14.9 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#72

Anthracene

Concen: 5.777 ng

RT: 11.463 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF134022.D

Acq: 28 Jun 2023 09:36

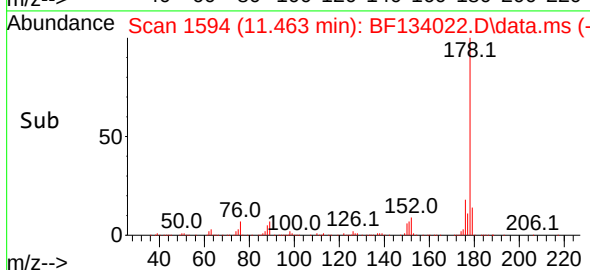
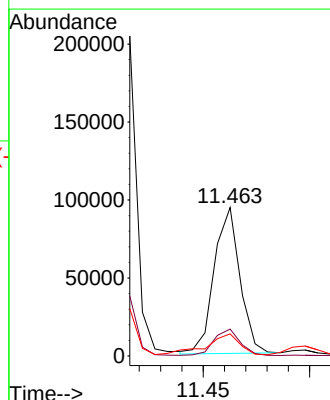
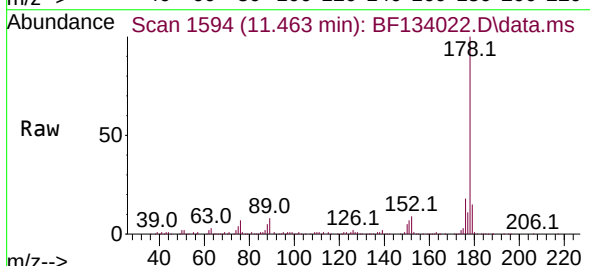
Tgt Ion:178 Resp: 79001

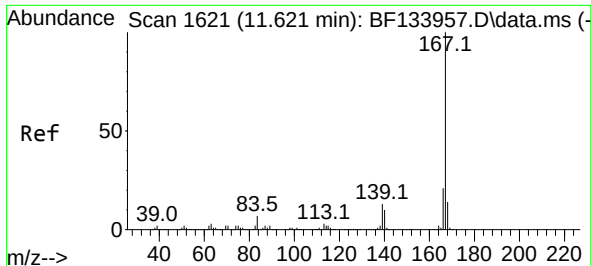
Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

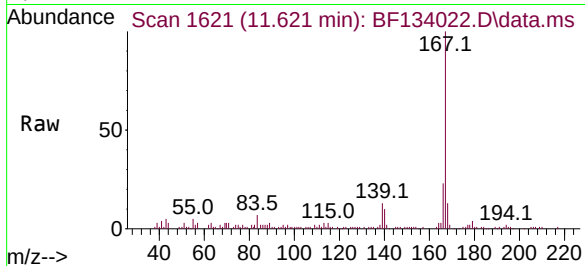
179 14.9 12.4 18.6





#73
 Carbazole
 Concen: 2.816 ng
 RT: 11.621 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF134022.D
 Acq: 28 Jun 2023 09:36

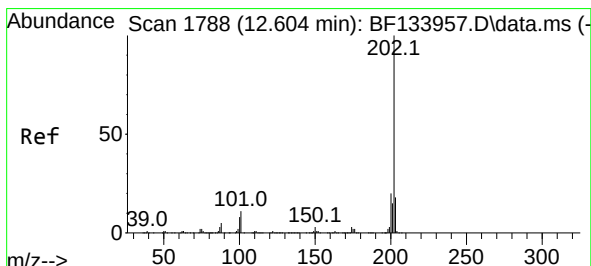
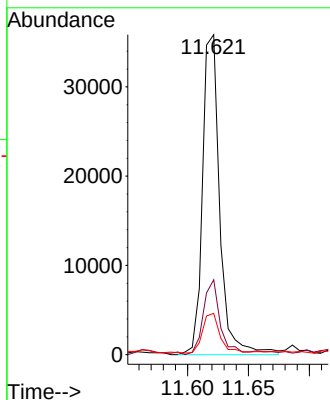
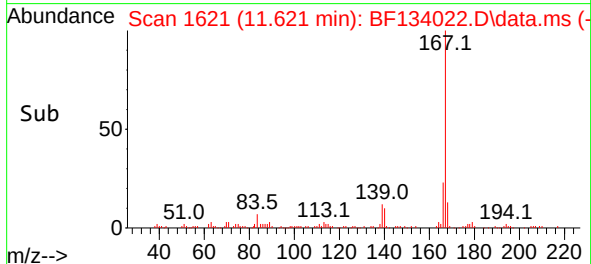
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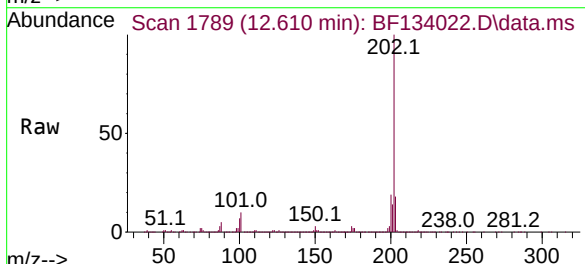
Tgt Ion:167 Resp: 35254
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.0 25.6
 139 12.9 10.4 15.6

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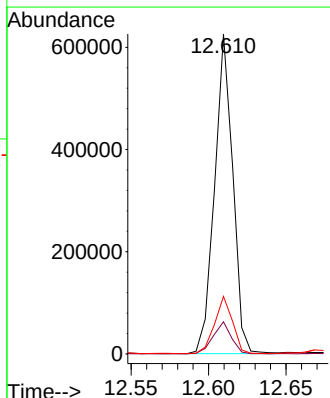
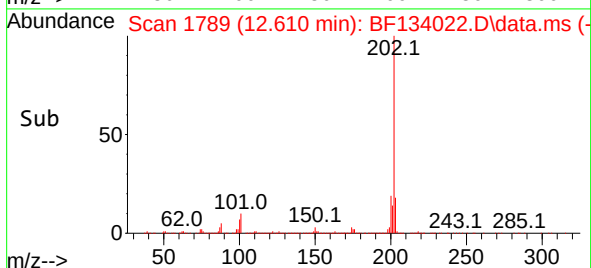
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

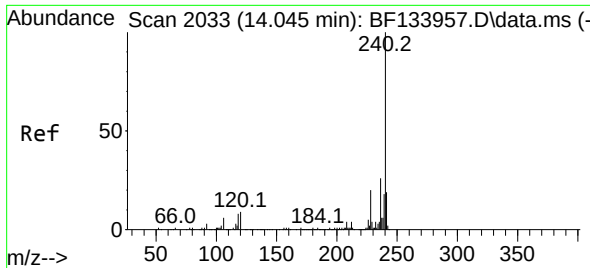


#75
 Fluoranthene
 Concen: 35.932 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134022.D
 Acq: 28 Jun 2023 09:36



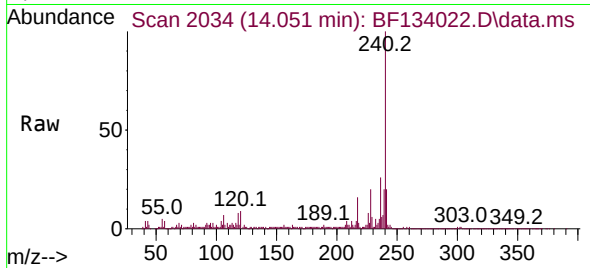
Tgt Ion:202 Resp: 510741
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.0
 203 18.0 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

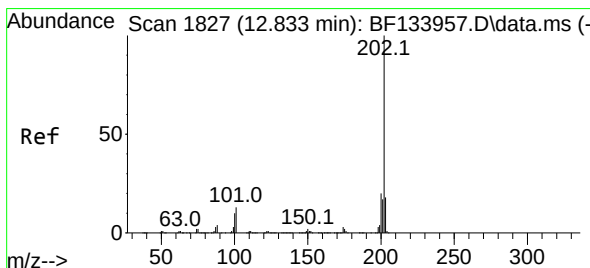
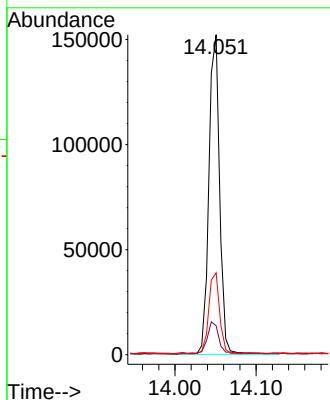
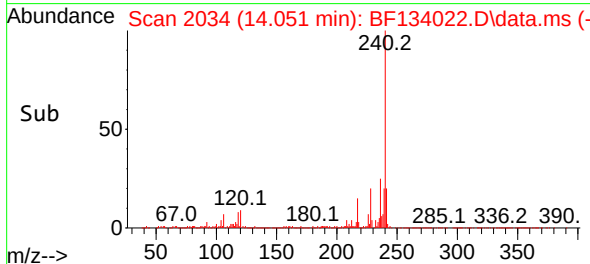
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37



Tgt Ion:240 Resp: 139319
Ion Ratio Lower Upper
240 100
120 9.0 7.4 11.0
236 25.6 21.0 31.6

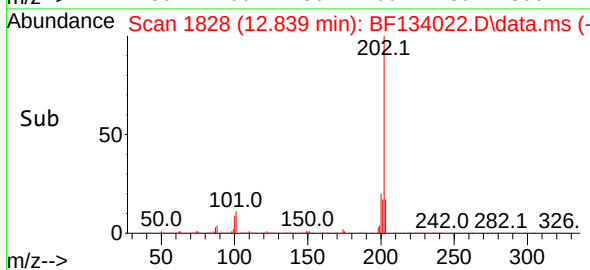
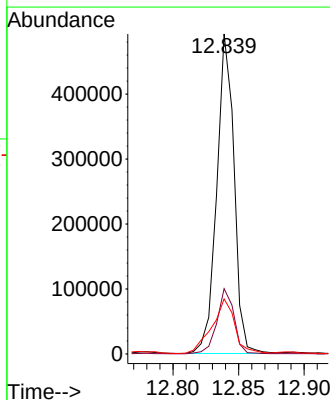
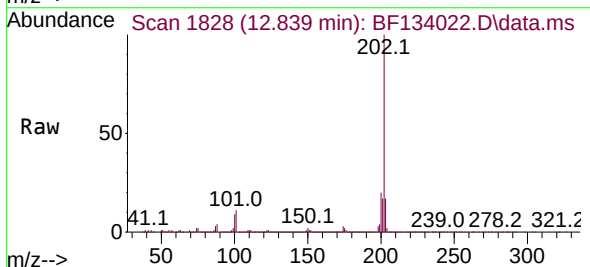
Manual Integrations
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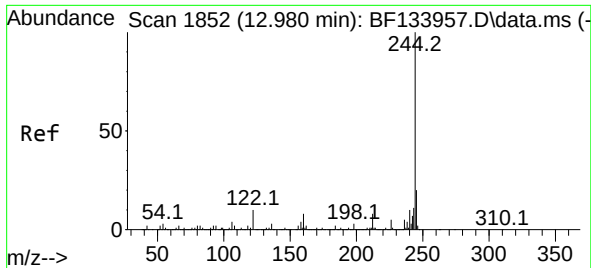
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#78
Pyrene
Concen: 34.818 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.006 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

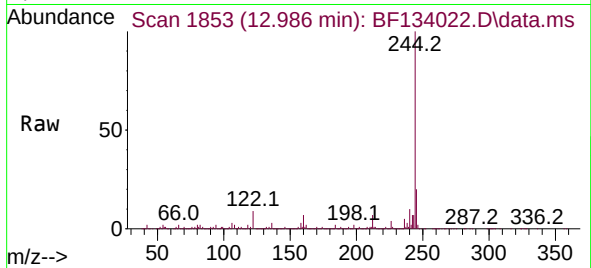
Tgt Ion:202 Resp: 451429
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 17.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 76.043 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: BF134022.D
 Acq: 28 Jun 2023 09:36

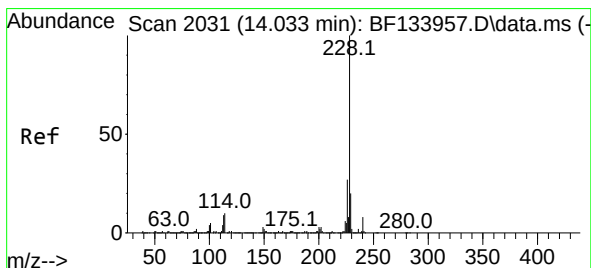
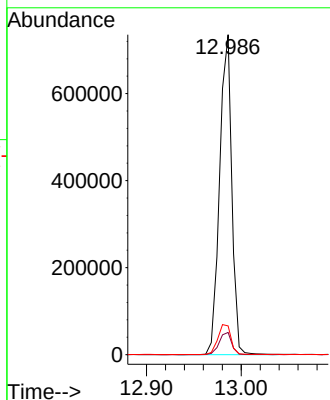
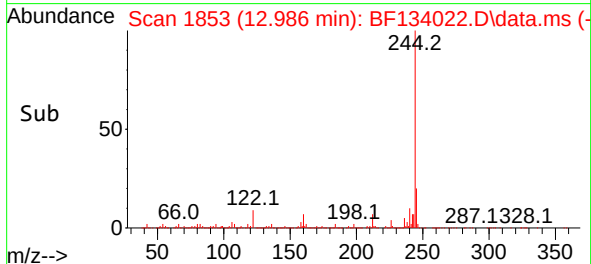
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-32-37



Tgt Ion:244 Resp: 658262
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.0 8.3 12.5

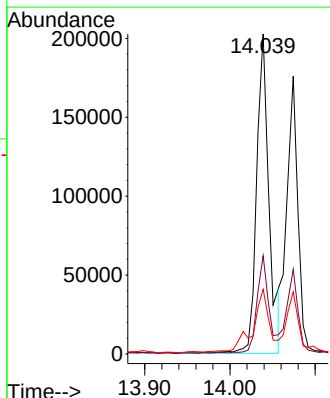
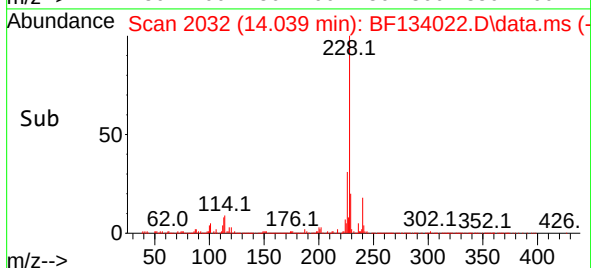
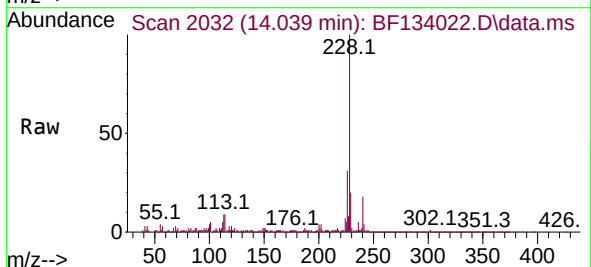
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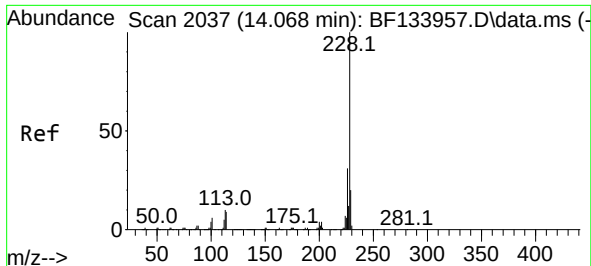
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023



#81
 Benzo(a)anthracene
 Concen: 21.143 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF134022.D
 Acq: 28 Jun 2023 09:36

Tgt Ion:228 Resp: 204281
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.0 33.0
 229 20.2 16.3 24.5





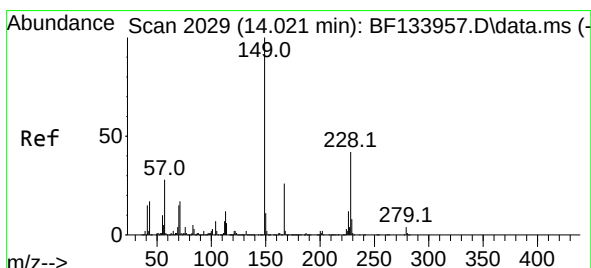
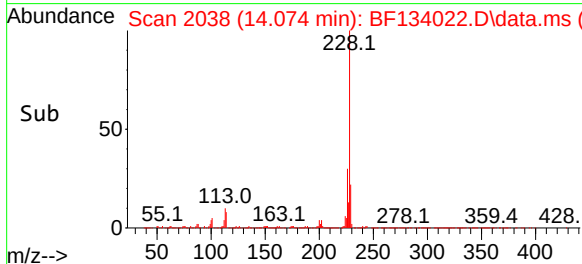
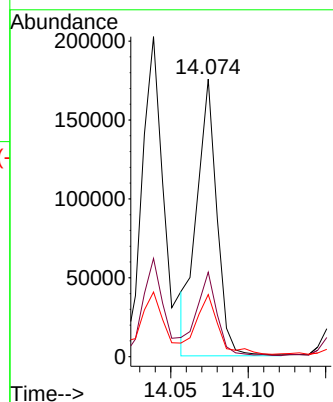
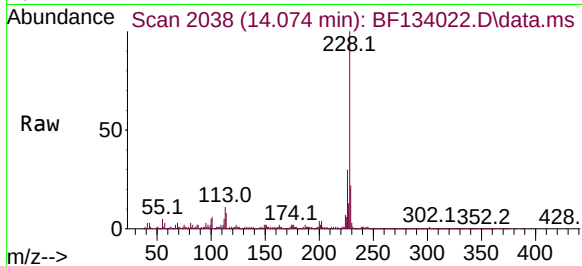
#83
Chrysene
Concen: 16.962 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37

Tgt Ion:228 Resp: 15873
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.4 16.1 24.1

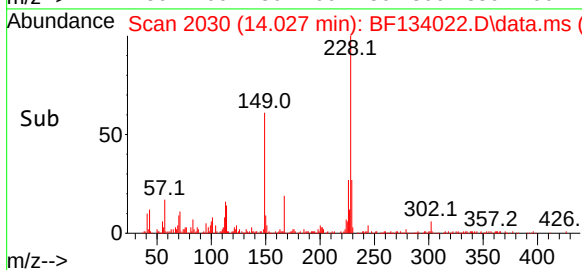
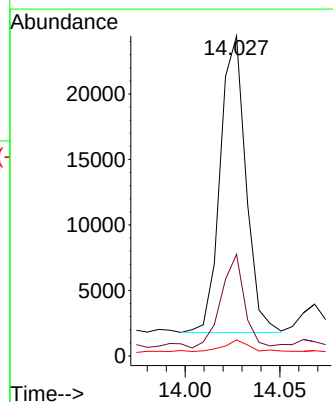
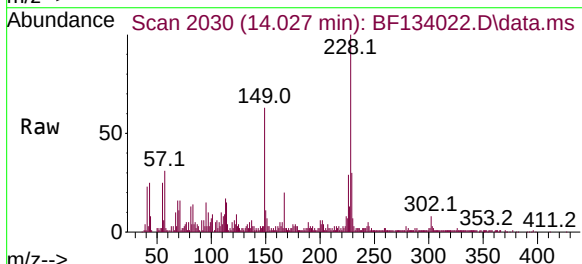
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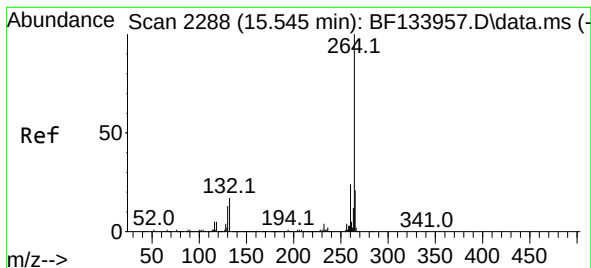
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.816 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

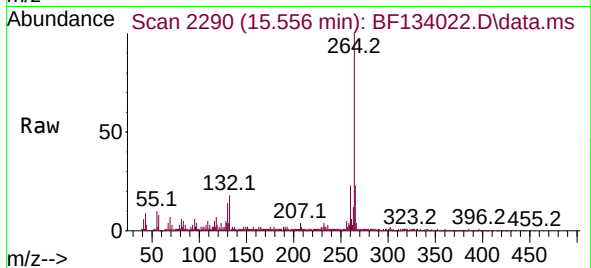
Tgt Ion:149 Resp: 21323
Ion Ratio Lower Upper
149 100
167 31.8 21.0 31.4#
279 5.0 3.3 4.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

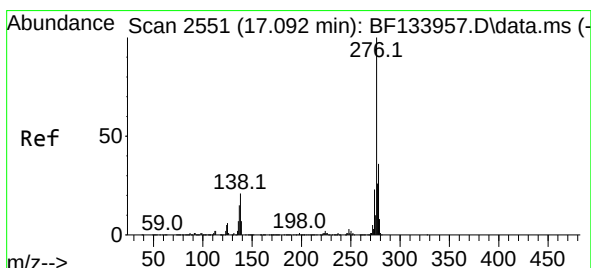
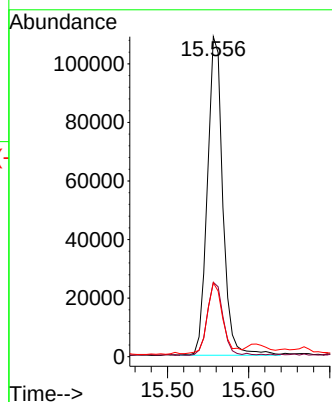
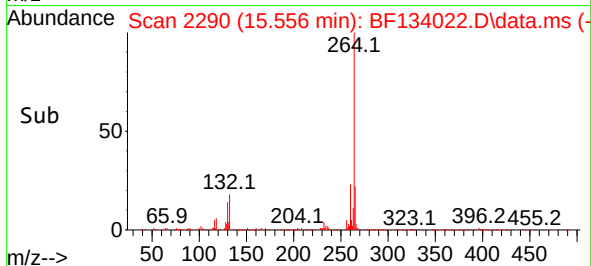
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37



Tgt Ion:264 Resp: 14309
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 23.1 16.6 25.0

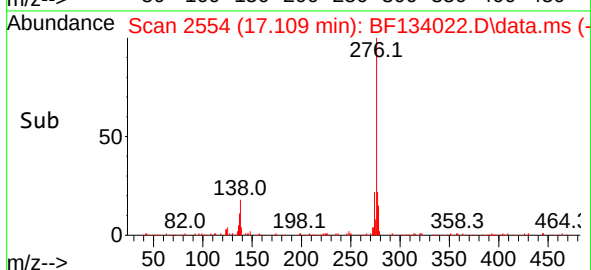
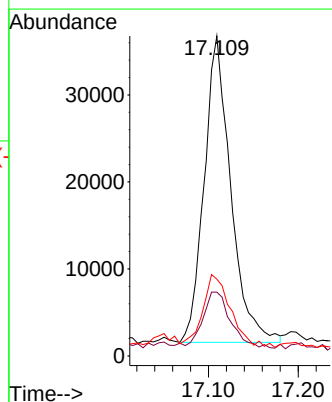
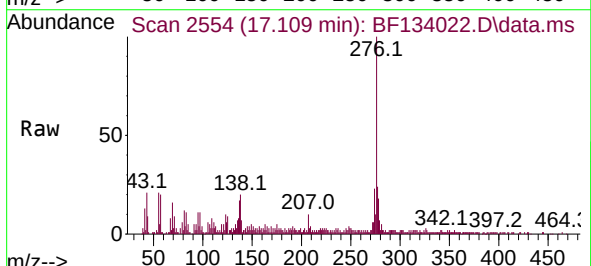
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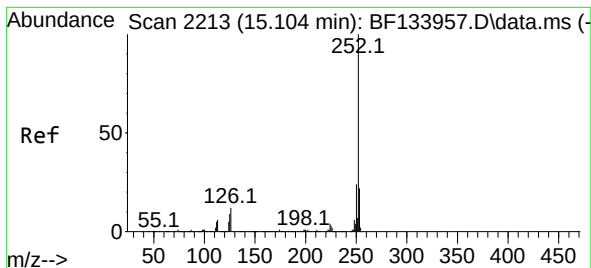
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.293 ng
RT: 17.109 min Scan# 2554
Delta R.T. 0.018 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

Tgt Ion:276 Resp: 72411
Ion Ratio Lower Upper
276 100
138 19.5 18.7 28.1
277 25.2 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 24.901 ng m

RT: 15.115 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF134022.D

Acq: 28 Jun 2023 09:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-32-37

Tgt Ion:252 Resp: 209518

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

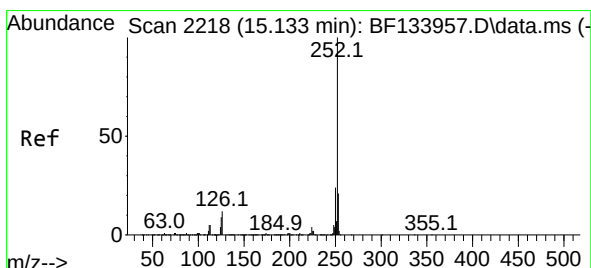
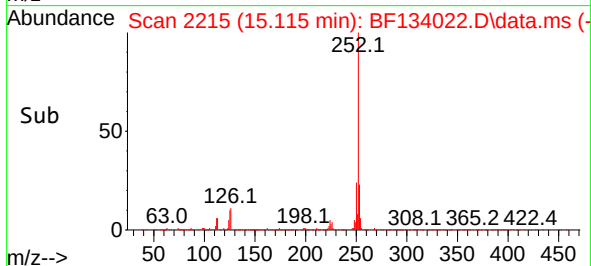
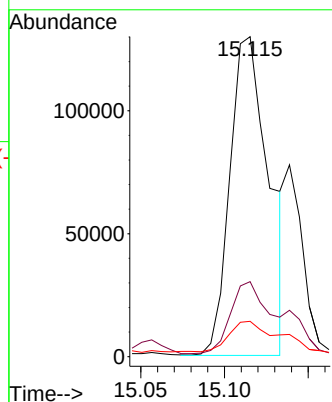
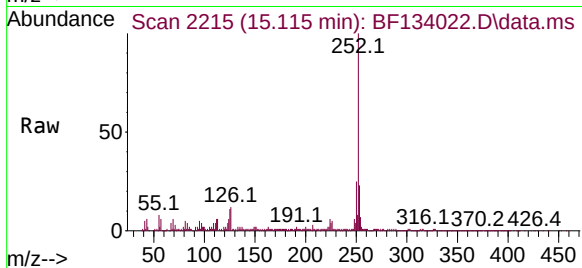
125 11.0 7.1 10.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#89

Benzo(k)fluoranthene

Concen: 6.374 ng m

RT: 15.139 min Scan# 2219

Delta R.T. 0.006 min

Lab File: BF134022.D

Acq: 28 Jun 2023 09:36

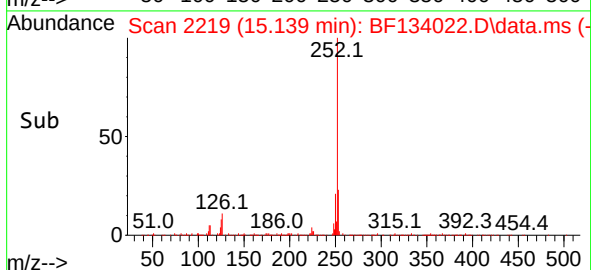
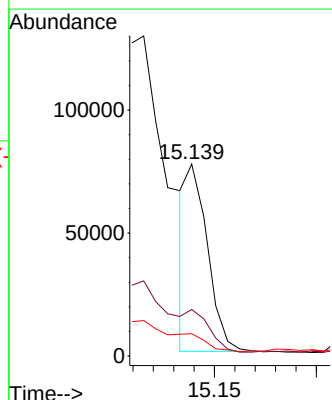
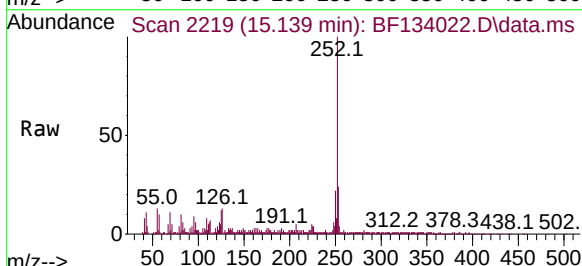
Tgt Ion:252 Resp: 54607

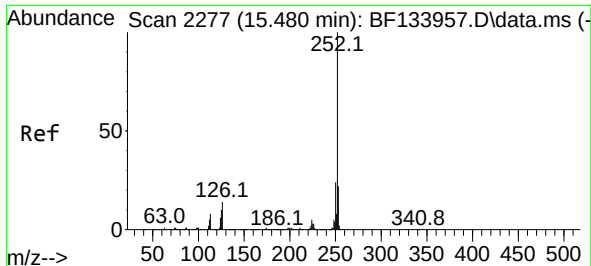
Ion Ratio Lower Upper

252 100

253 24.2 16.9 25.3

125 11.6 7.4 11.2#





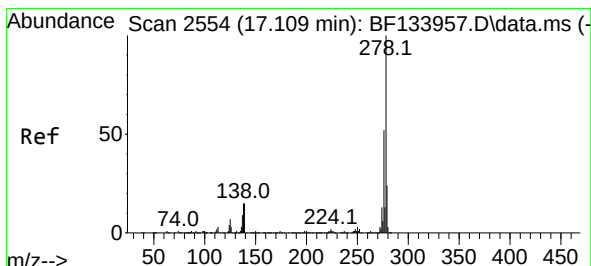
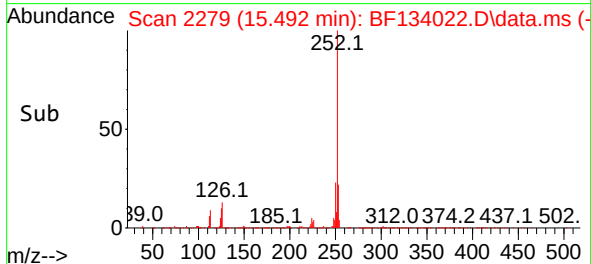
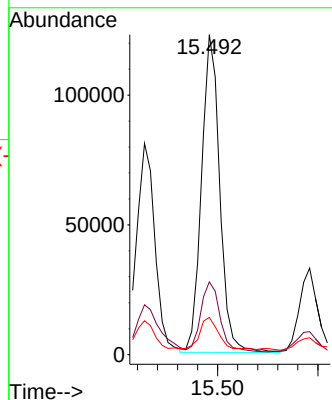
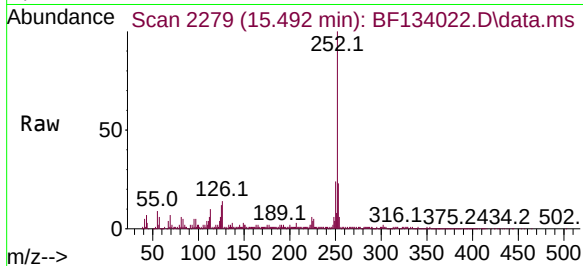
#90
Benzo(a)pyrene
Concen: 19.050 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37

Tgt Ion:252 Resp: 154998
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 11.6 8.4 12.6

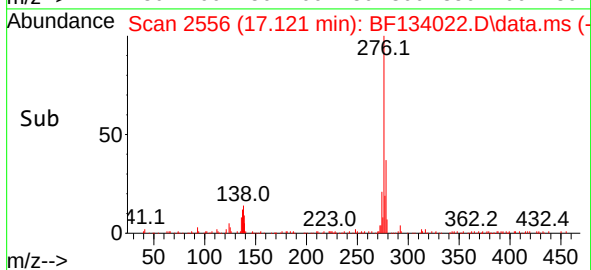
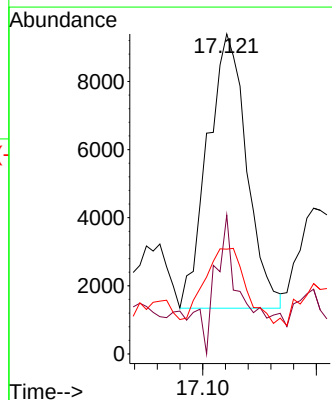
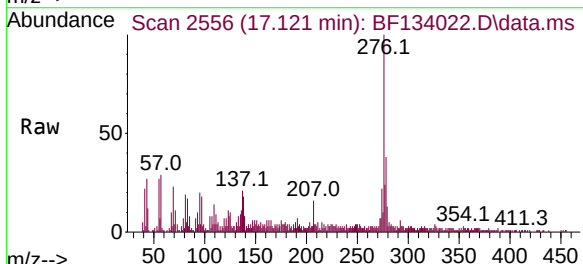
Manual Integrations
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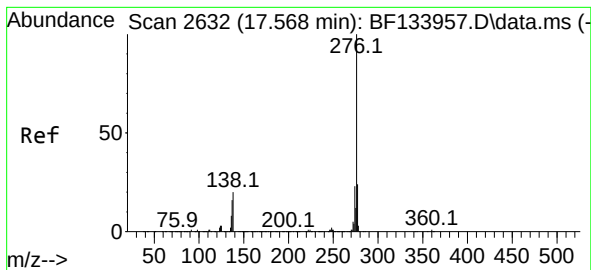
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.380 ng
RT: 17.121 min Scan# 2556
Delta R.T. 0.012 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

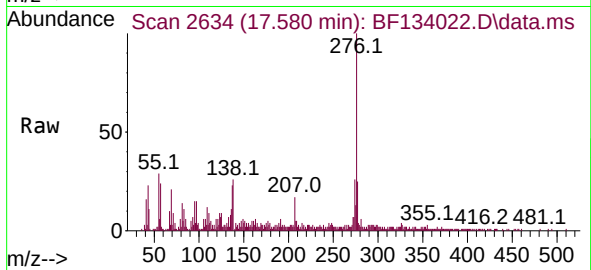
Tgt Ion:278 Resp: 19300
Ion Ratio Lower Upper
278 100
139 43.4 12.2 18.4#
279 32.8 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 8.914 ng
RT: 17.580 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF134022.D
Acq: 28 Jun 2023 09:36

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-32-37



Tgt Ion:276 Resp: 74549
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.6
138 25.6 16.2 24.2

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

