

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133928.D
 Acq On : 23 Jun 2023 05:46
 Operator : CG\JU
 Sample : 03329-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW03-8-15

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 06:08:38 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	116343	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	423757	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	191069	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	311524	20.000	ng	0.00
76) Chrysene-d12	14.051	240	213021	20.000	ng	0.00
86) Perylene-d12	15.563	264	177551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	556589	83.285	ng	0.00
7) Phenol-d6	6.493	99	664325	76.369	ng	0.00
23) Nitrobenzene-d5	7.422	82	447184	57.478	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	170836	70.634	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	830853	61.814	ng	0.00
79) Terphenyl-d14	12.986	244	711812	51.705	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.928	154	28809	2.558	ng	96
58) Fluorene	10.445	166	33930	2.582	ng	97
71) Phenanthrene	11.416	178	447853	28.336	ng	99
72) Anthracene	11.463	178	125785	7.633	ng	100
73) Carbazole	11.622	167	47879	3.119	ng	96
75) Fluoranthene	12.616	202	947221	56.436	ng	99
78) Pyrene	12.845	202	853386	43.005	ng	99
81) Benzo(a)anthracene	14.045	228	483043	32.783	ng	97
83) Chrysene	14.080	228	422176	30.293	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	22896	2.220	ng	99
87) Indeno(1,2,3-cd)pyrene	17.110	276	178156	14.585	ng	96
88) Benzo(b)fluoranthene	15.121	252	460769m	42.721	ng	
89) Benzo(k)fluoranthene	15.145	252	171029m	16.279	ng	
90) Benzo(a)pyrene	15.498	252	318506	31.820	ng	98
91) Dibenzo(a,h)anthracene	17.121	278	45646	4.514	ng	94
92) Benzo(g,h,i)perylene	17.586	276	167882	16.744	ng	98

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

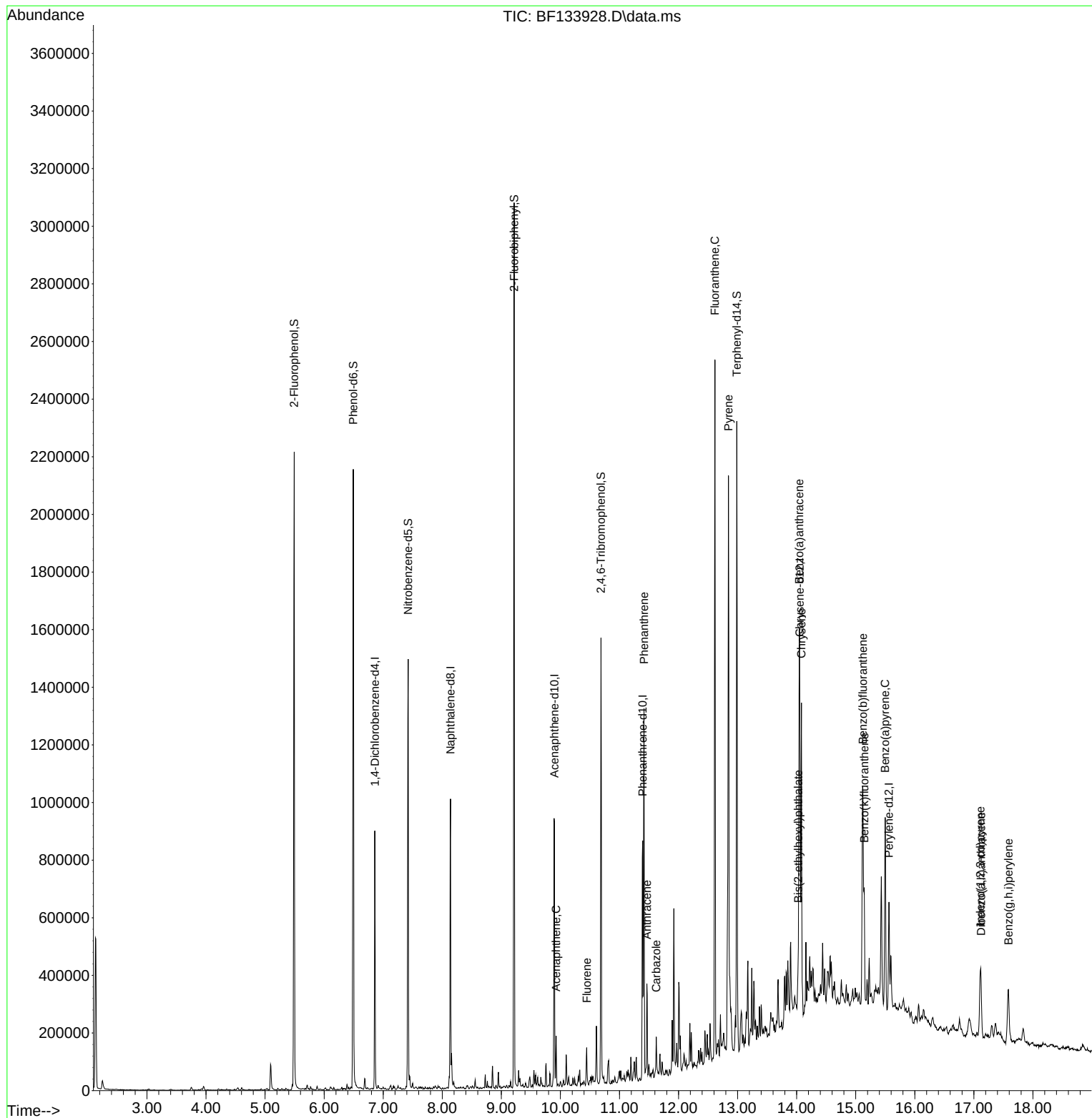
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
Data File : BF133928.D
Acq On : 23 Jun 2023 05:46
Operator : CG\JU
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ALS Vial : 22 Sample Multiplier: 1

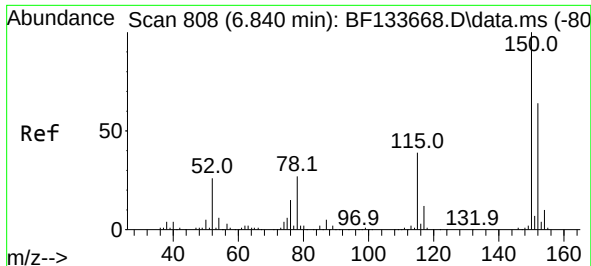
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Quant Time: Jun 23 06:08:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 02:21:26 2023
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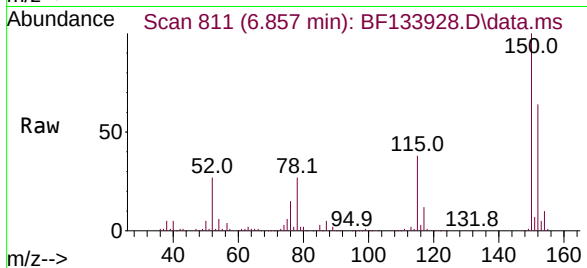
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

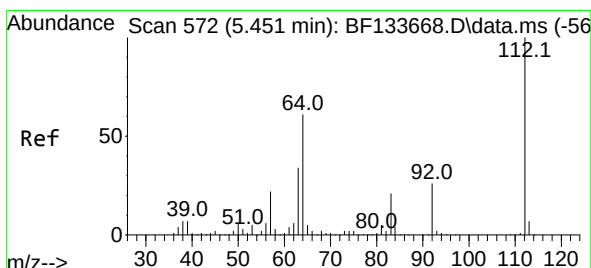
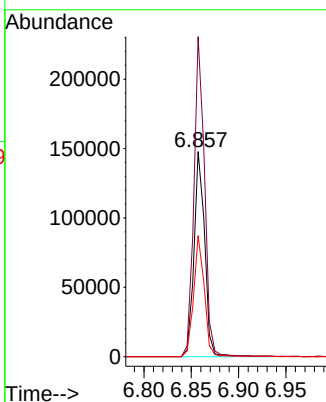
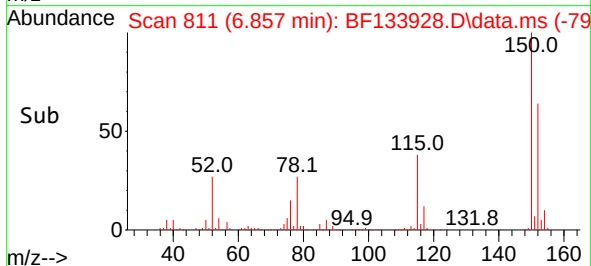
Instrument :
BNA_F
ClientSampleId :
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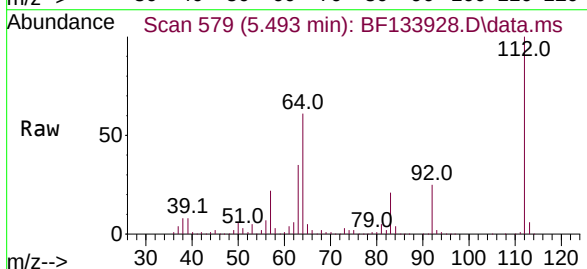
Tgt Ion:152 Resp: 11634
Ion Ratio Lower Upper
152 100
150 155.9 124.3 186.5
115 59.0 48.5 72.7

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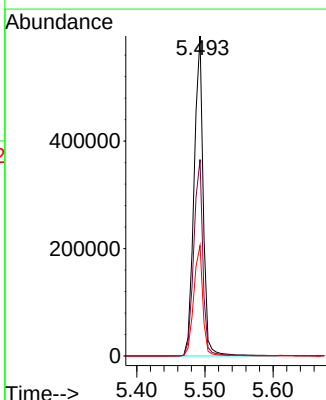
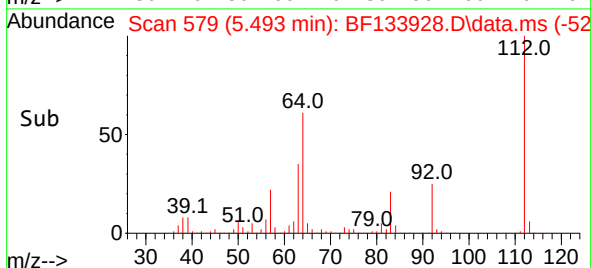
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

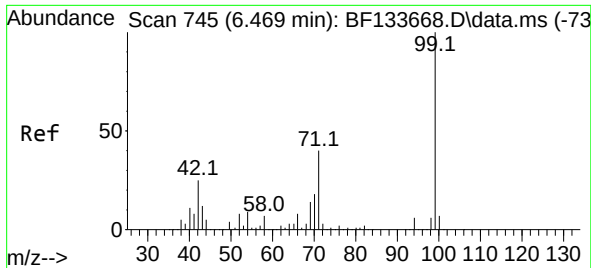


#5
2-Fluorophenol
Concen: 83.285 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46



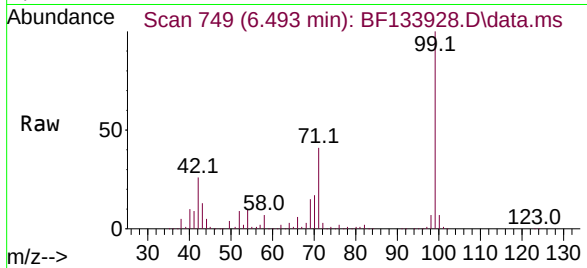
Tgt Ion:112 Resp: 556589
Ion Ratio Lower Upper
112 100
64 61.4 49.0 73.4
63 34.5 26.8 40.2





#7
Phenol-d6
Concen: 76.369 ng
RT: 6.493 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

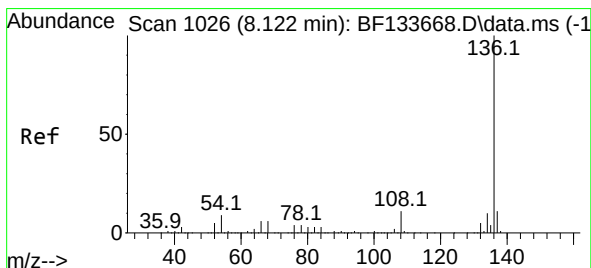
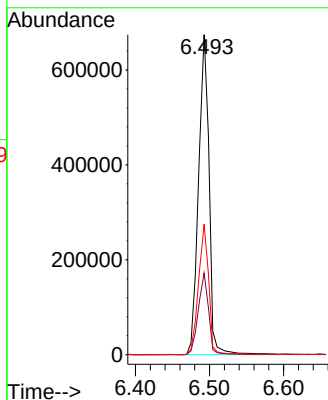
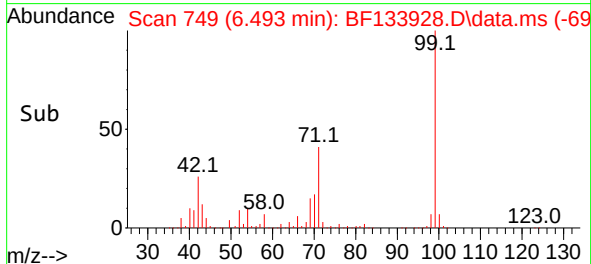
Instrument :
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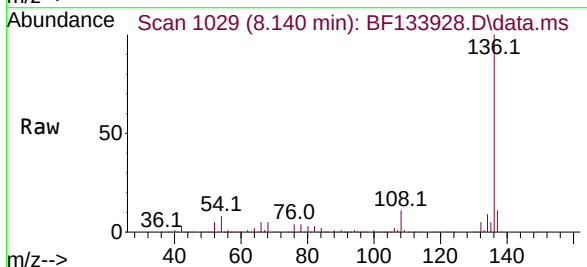
Tgt Ion: 99 Resp: 664325
Ion Ratio Lower Upper
99 100
42 25.5 19.9 29.9
71 40.8 32.2 48.4

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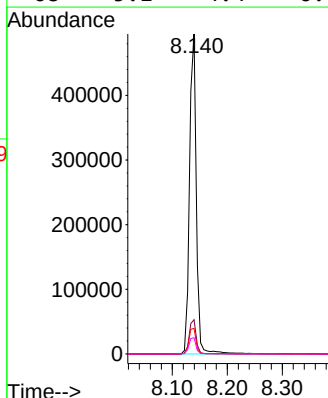
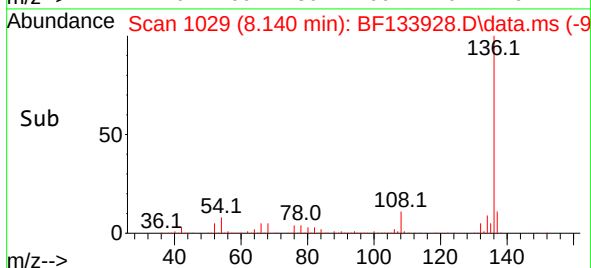
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

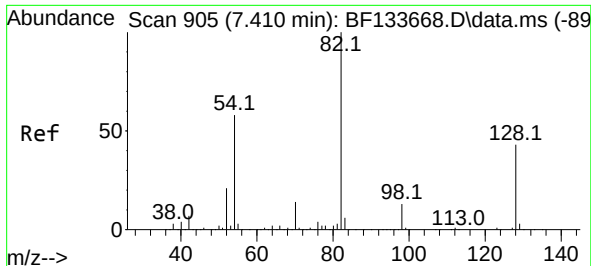


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46



Tgt Ion:136 Resp: 423757
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.0 7.4 11.0
68 5.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 57.478 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

Tgt Ion: 82 Resp: 447184

Ion Ratio Lower Upper

82 100

128 42.7 34.2 51.2

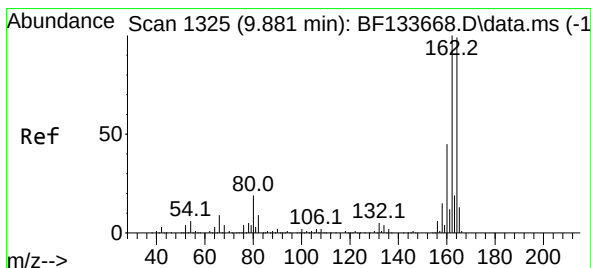
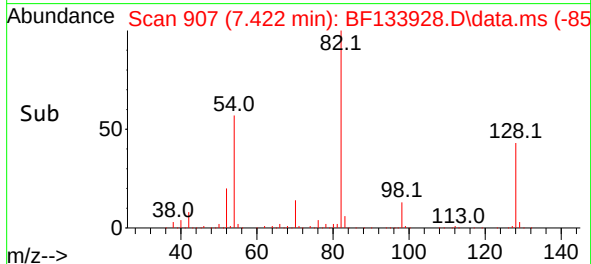
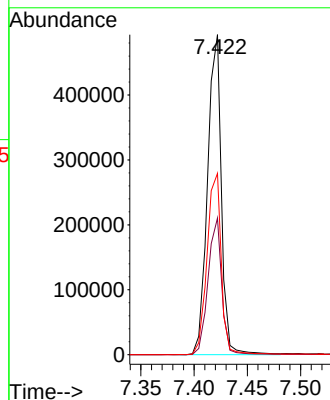
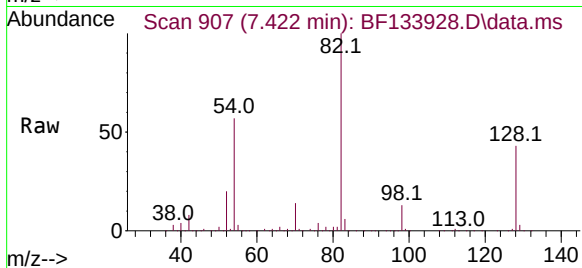
54 56.7 46.5 69.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

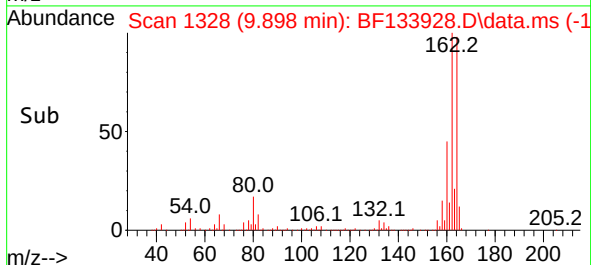
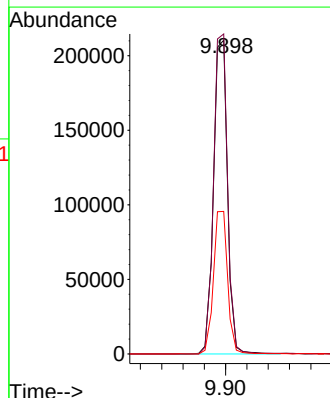
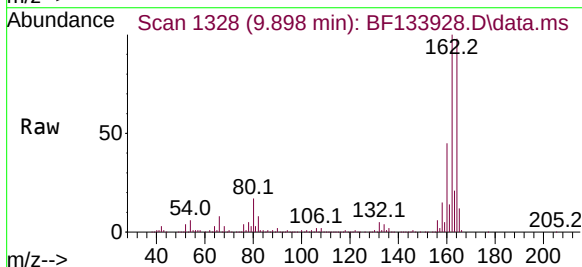
Tgt Ion:164 Resp: 191069

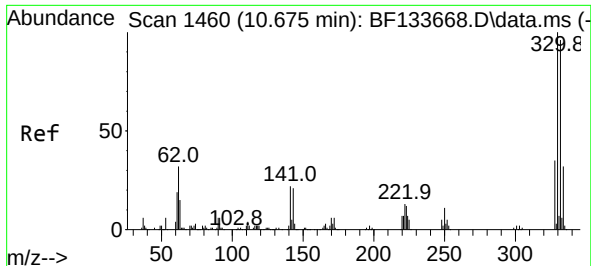
Ion Ratio Lower Upper

164 100

162 102.0 80.8 121.2

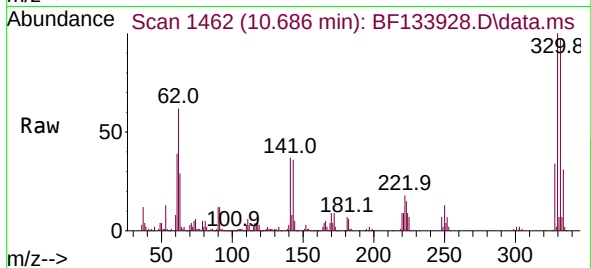
160 45.4 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 70.634 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

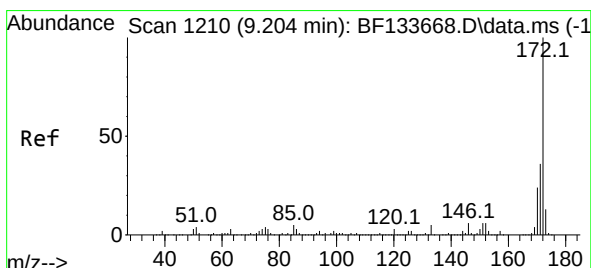
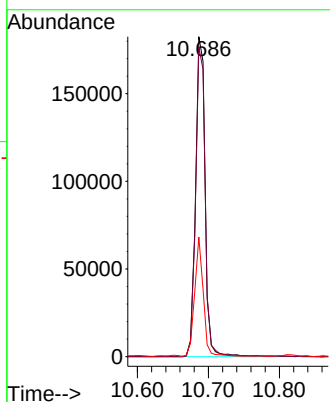
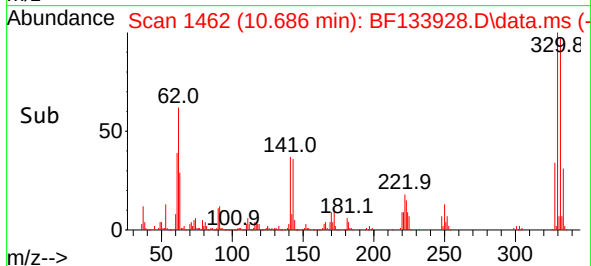
Instrument :
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ClientSampleId :
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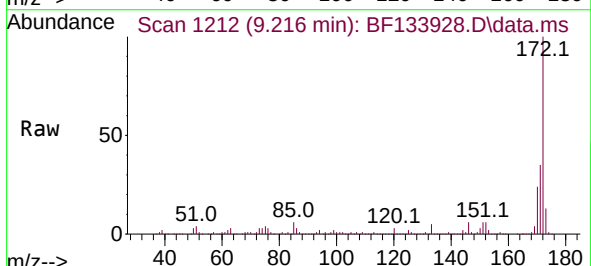
Tgt Ion: 330 Resp: 170830
Ion Ratio Lower Upper
330 100
332 96.9 77.2 115.8
141 33.9 24.9 37.3

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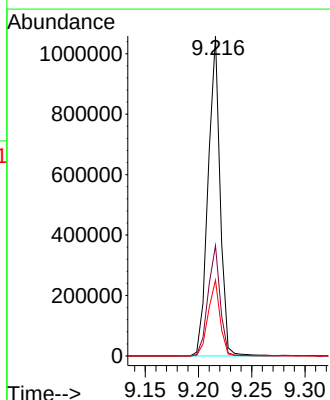
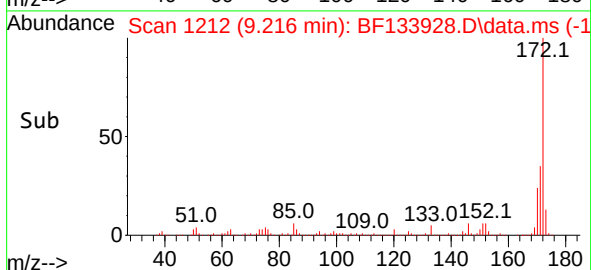
Reviewed By : Yogesh Patel 06/23/2023
Supervised By : mohammad ahmed 06/23/2023

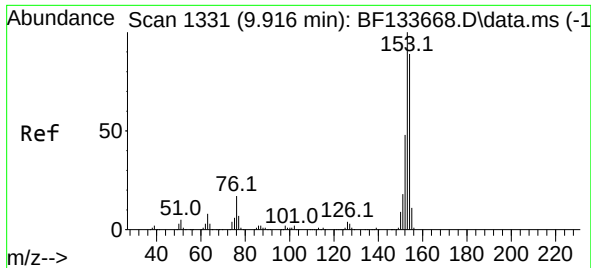


#45
2-Fluorobiphenyl
Concen: 61.814 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46



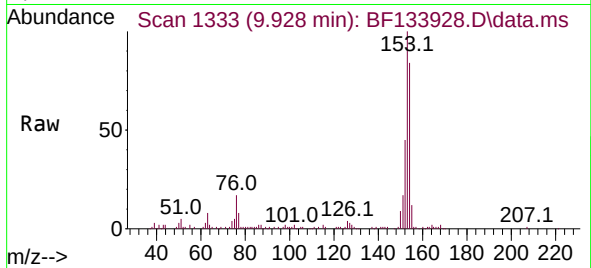
Tgt Ion: 172 Resp: 830853
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 23.7 19.1 28.7





#52
Acenaphthene
Concen: 2.558 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

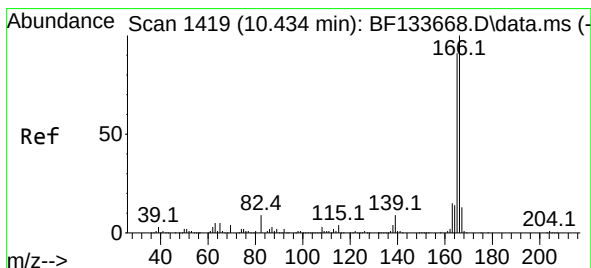
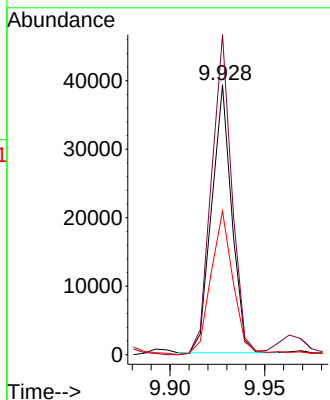
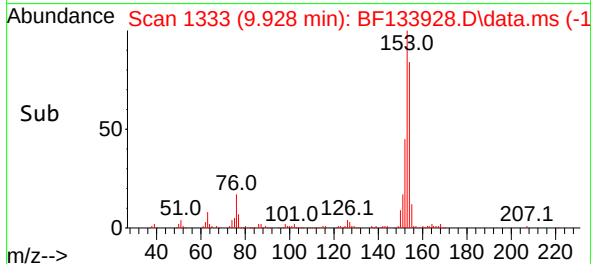
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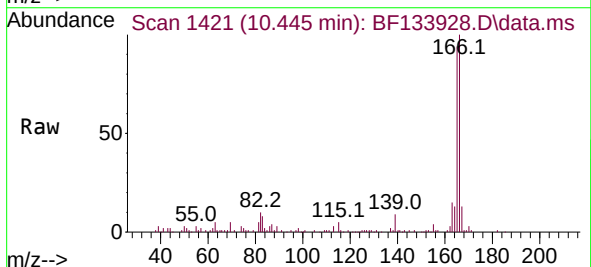
Tgt Ion:154 Resp: 28809
Ion Ratio Lower Upper
154 100
153 118.6 89.8 134.8
152 53.2 43.4 65.2

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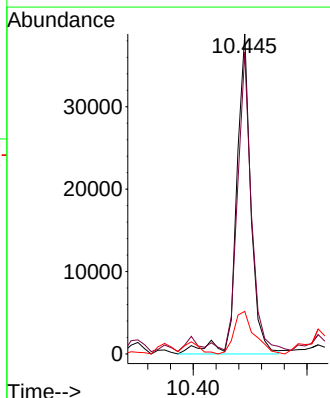
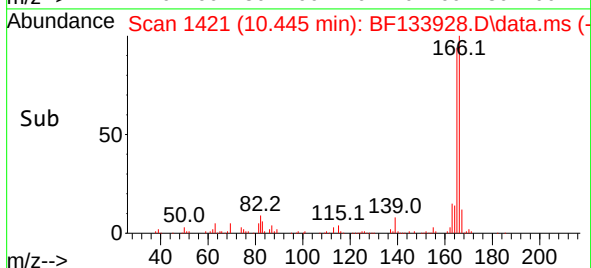
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

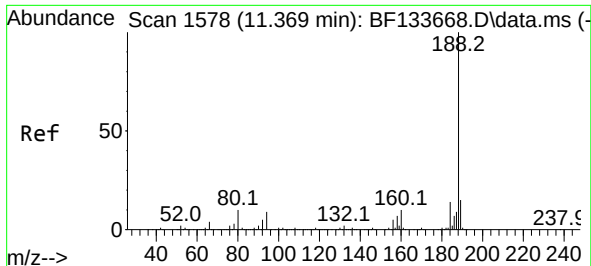


#58
Fluorene
Concen: 2.582 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46



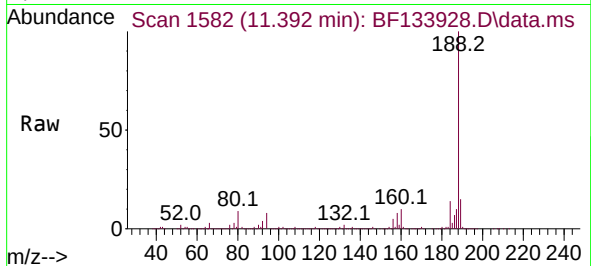
Tgt Ion:166 Resp: 33930
Ion Ratio Lower Upper
166 100
165 94.3 73.1 109.7
167 13.3 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11392
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

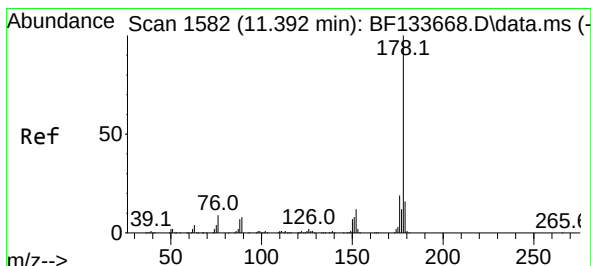
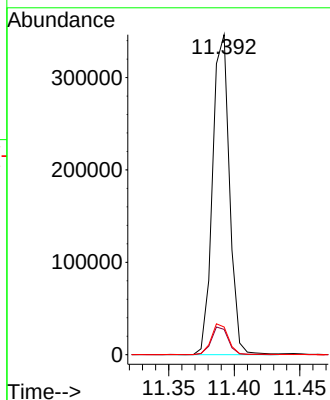
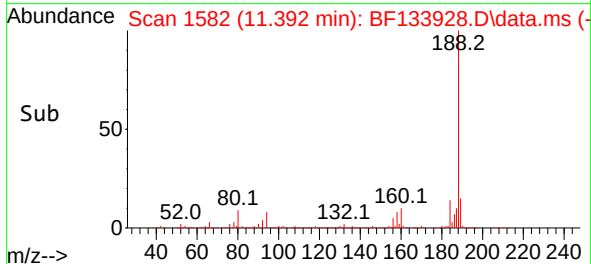
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Tgt Ion:188 Resp: 311524
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.7 7.8 11.6

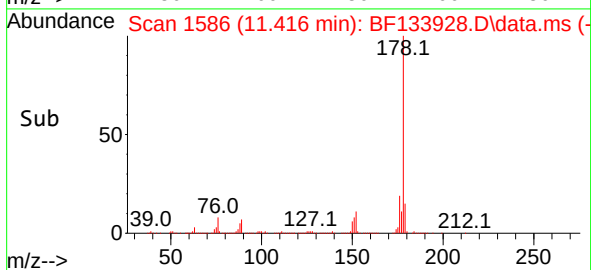
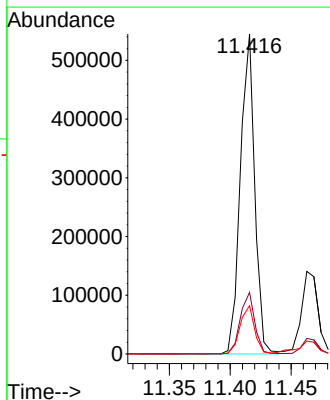
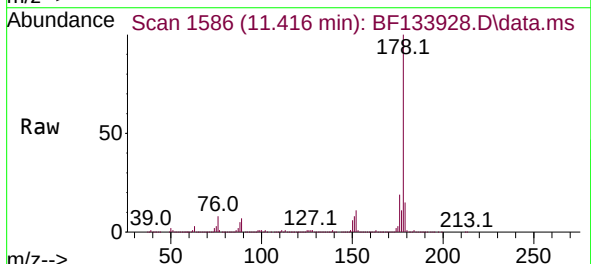
Manual Integrations
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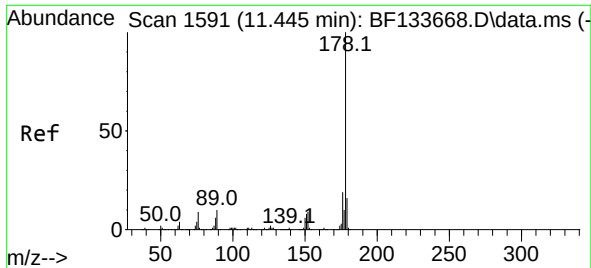
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#71
Phenanthrene
Concen: 28.336 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

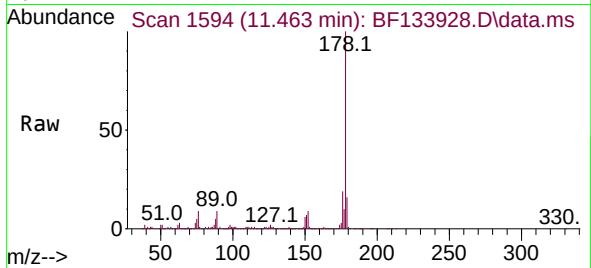
Tgt Ion:178 Resp: 447853
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.0 12.4 18.6





#72
 Anthracene
 Concen: 7.633 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133928.D
 Acq: 23 Jun 2023 05:46

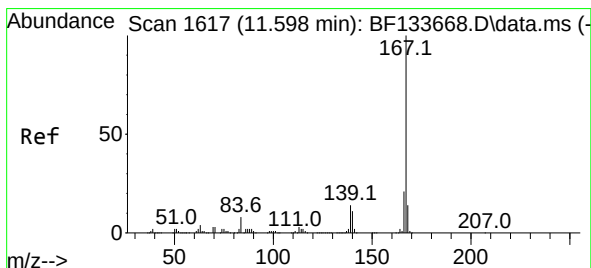
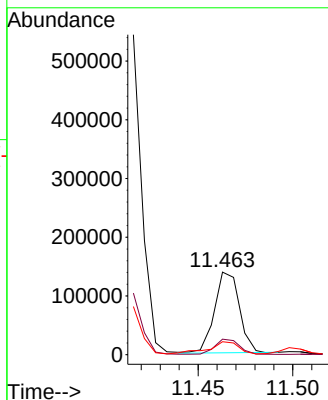
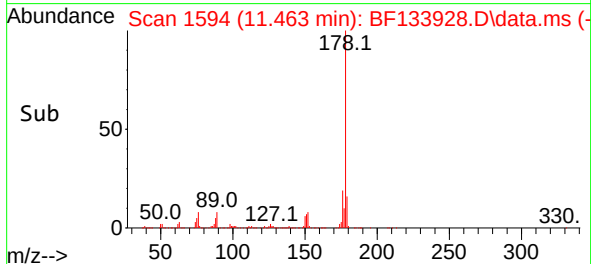
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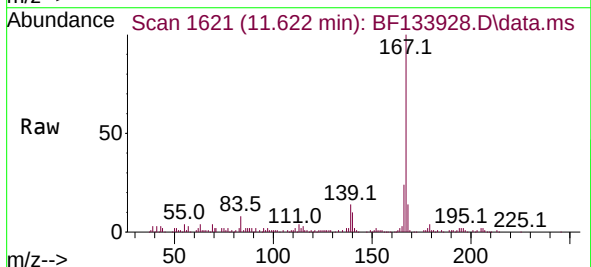
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 Ion Ratio Lower Upper
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 176 18.7 15.1 22.7
 179 15.8 12.6 18.8

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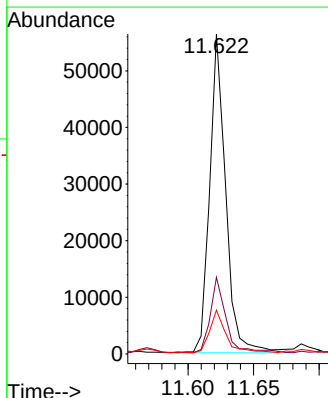
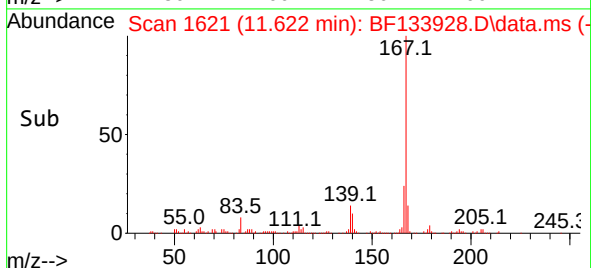
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

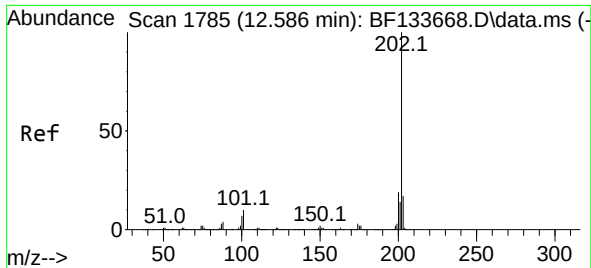


#73
 Carbazole
 Concen: 3.119 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF133928.D
 Acq: 23 Jun 2023 05:46



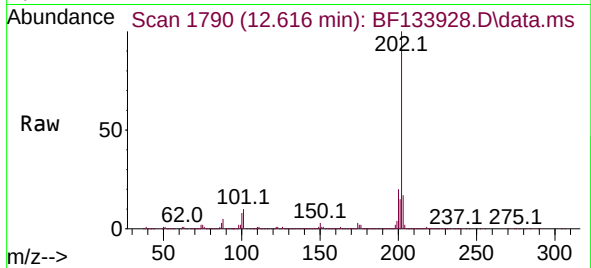
Tgt Ion:167 Resp: 47879
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.0 25.6
 139 13.7 11.2 16.8





#75
Fluoranthene
Concen: 56.436 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

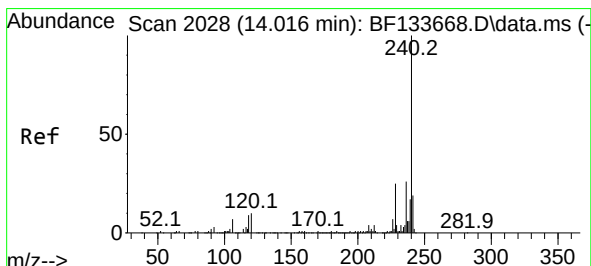
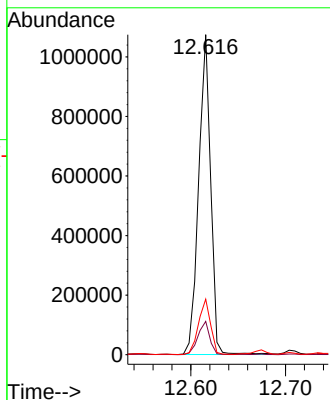
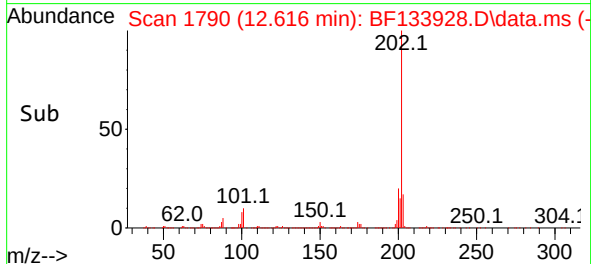
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-8-15



Tgt Ion:202 Resp: 94722
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.6
203 17.3 0.0 37.4

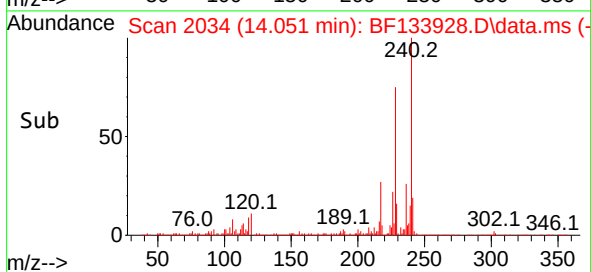
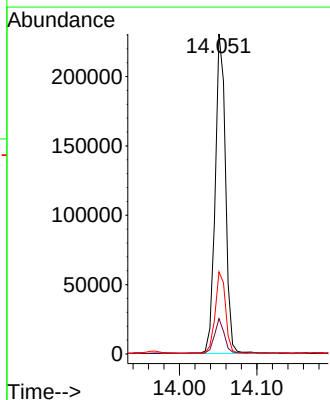
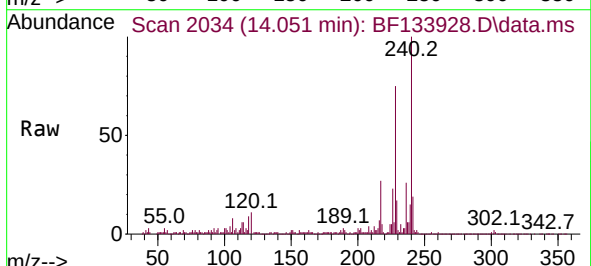
Manual Integrations
APPROVED

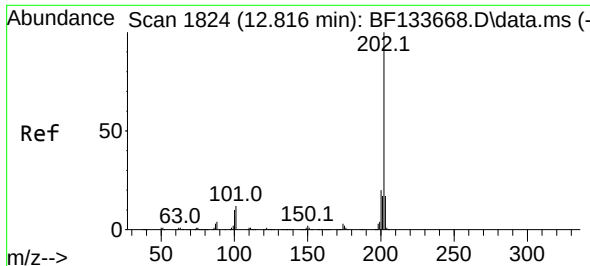
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

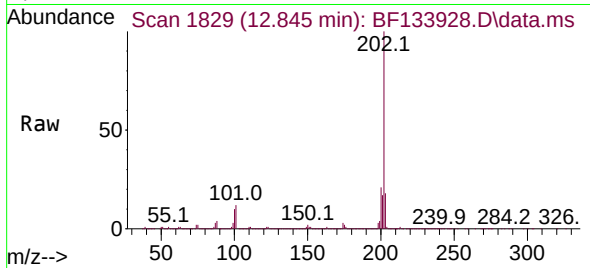
Tgt Ion:240 Resp: 213021
Ion Ratio Lower Upper
240 100
120 11.1 8.1 12.1
236 25.7 20.5 30.7





#78
Pyrene
Concen: 43.005 ng
RT: 12.845 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

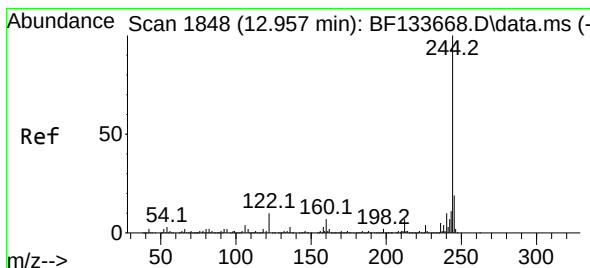
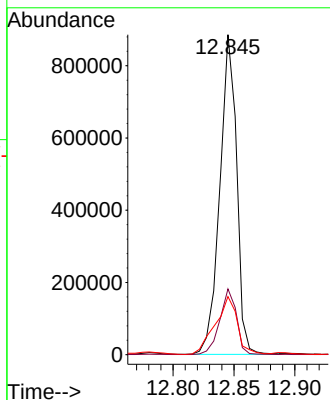
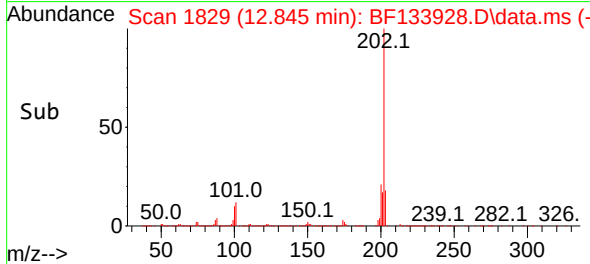
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-8-15



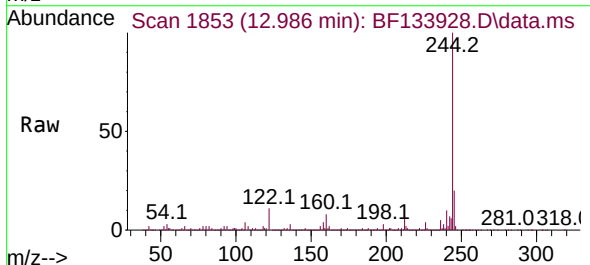
Tgt Ion:202 Resp: 853380
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 18.2 13.9 20.9

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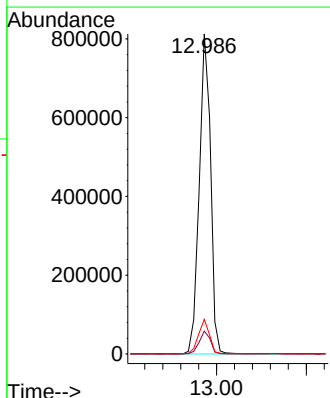
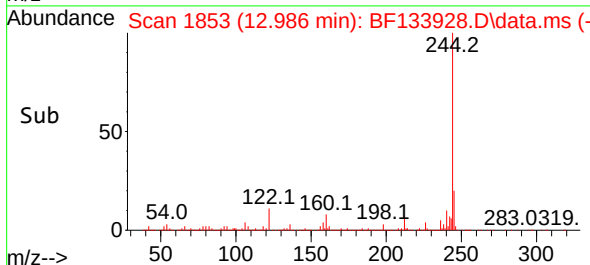
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

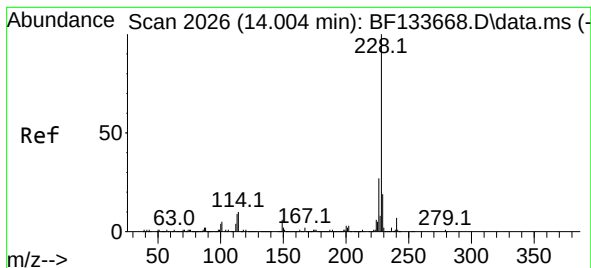


#79
Terphenyl-d14
Concen: 51.705 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46



Tgt Ion:244 Resp: 711812
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 10.8 8.1 12.1





#81

Benzo(a)anthracene

Concen: 32.783 ng

RT: 14.045 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

Tgt Ion:228 Resp: 48304

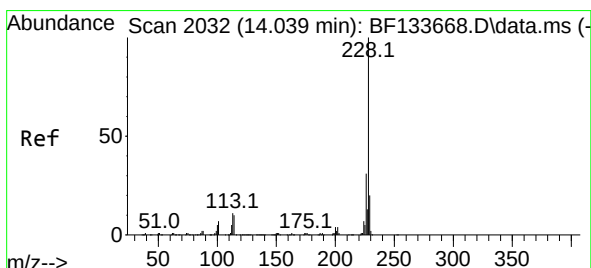
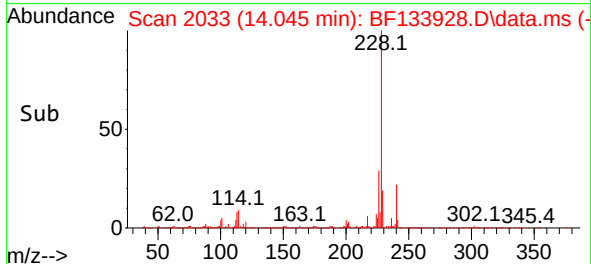
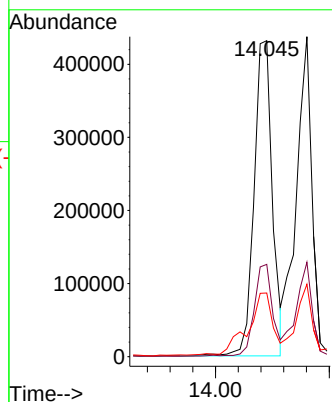
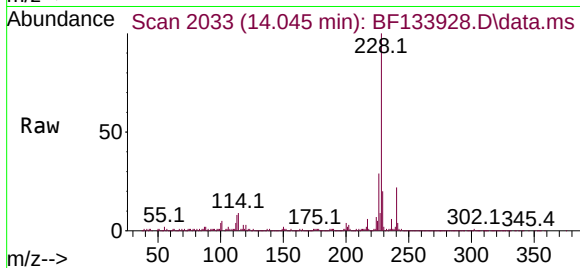
Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.7	32.5
229	20.2	15.4	23.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#83

Chrysene

Concen: 30.293 ng

RT: 14.080 min Scan# 2039

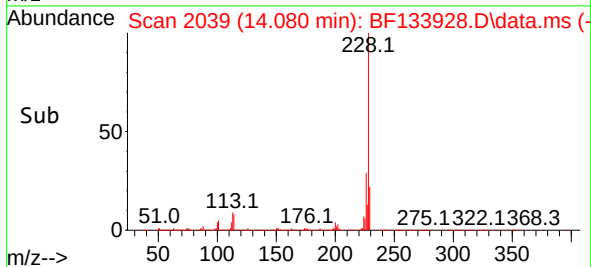
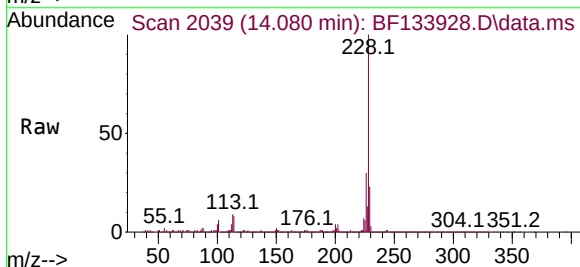
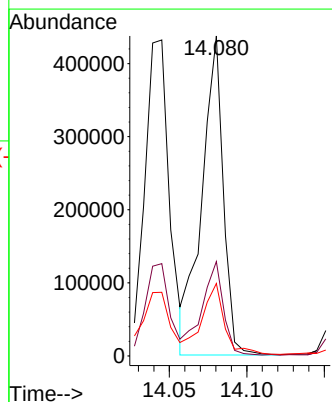
Delta R.T. 0.000 min

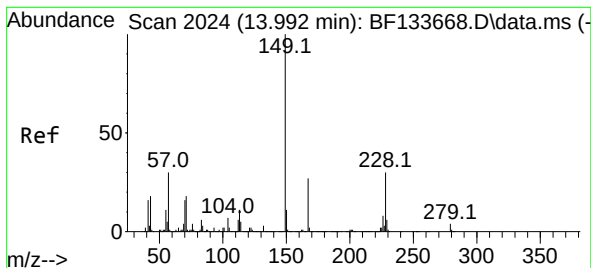
Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Tgt Ion:228 Resp: 422176

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	22.6	15.8	23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.220 ng

RT: 14.027 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

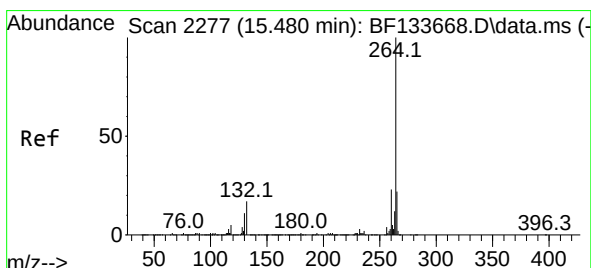
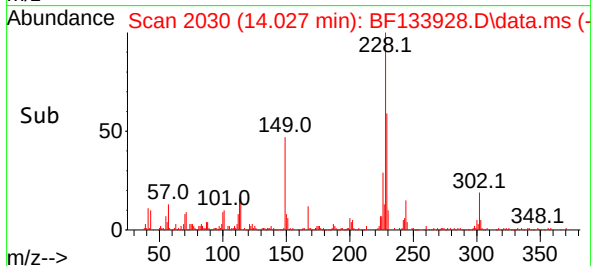
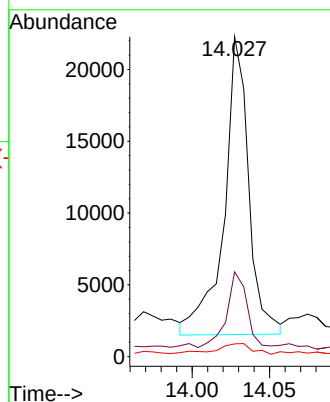
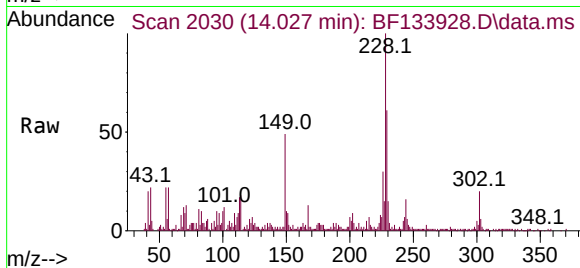
Tgt Ion:	149	Resp:	22890
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.8	32.8
279	4.0	3.3	4.9

Manual Integrations

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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

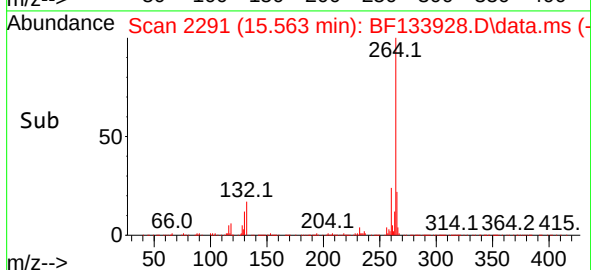
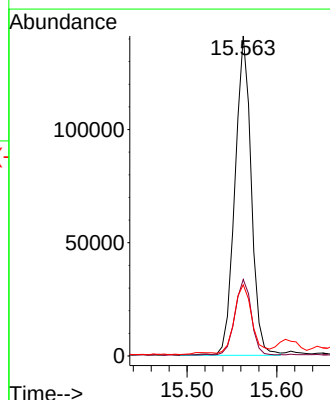
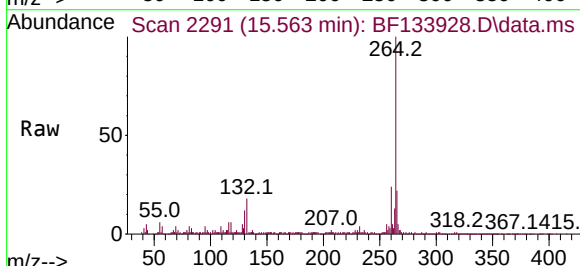
RT: 15.563 min Scan# 2291

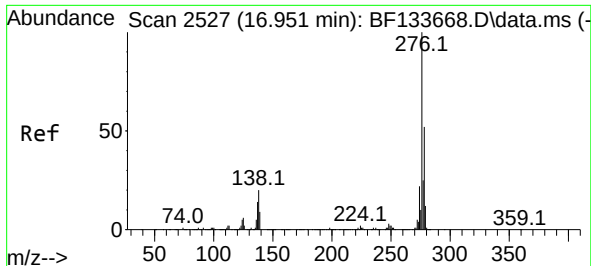
Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

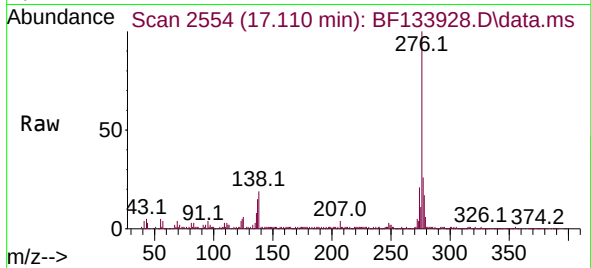
Tgt Ion:	264	Resp:	177551
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.2	27.2
265	22.3	17.8	26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 14.585 ng
RT: 17.110 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

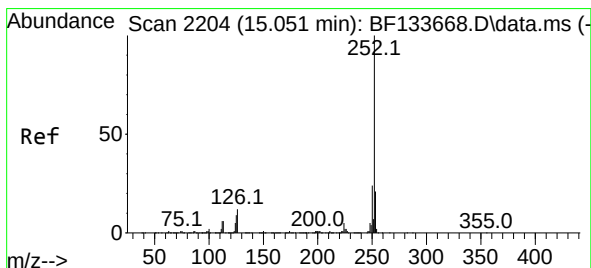
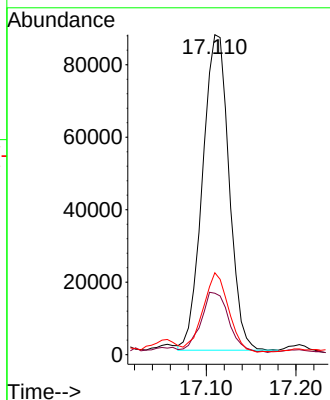
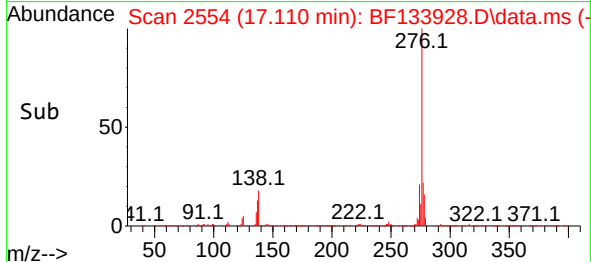
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-8-15



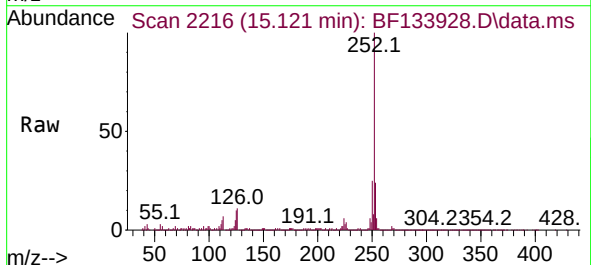
Tgt Ion:276 Resp: 178150
Ion Ratio Lower Upper
276 100
138 20.3 17.9 26.9
277 23.8 20.3 30.5

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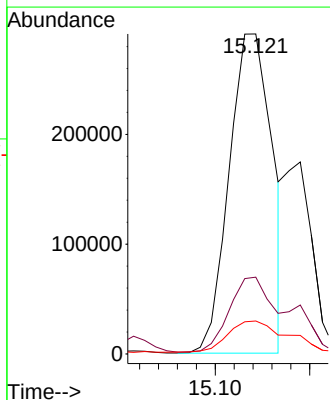
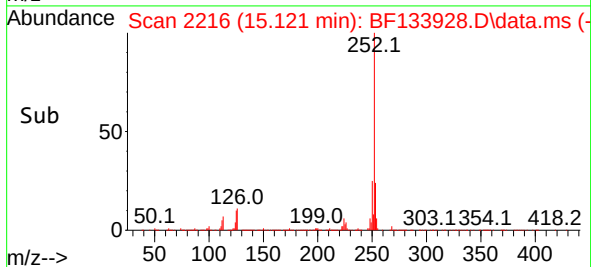
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

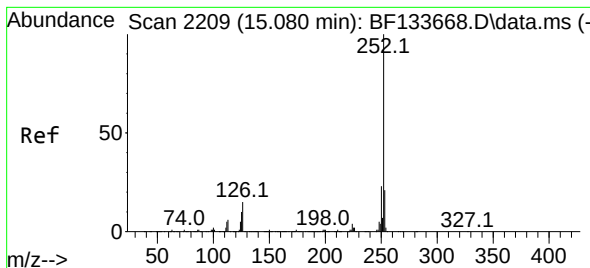


#88
Benzo(b)fluoranthene
Concen: 42.721 ng m
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46



Tgt Ion:252 Resp: 460769
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 10.3 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 16.279 ng m

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW03-8-15

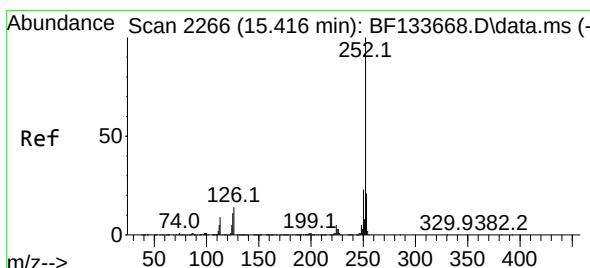
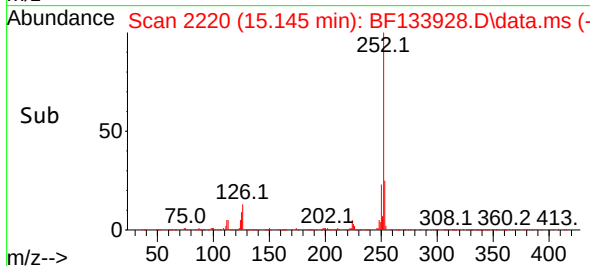
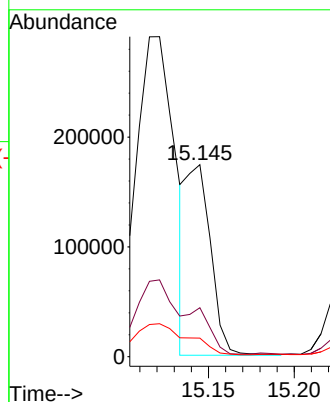
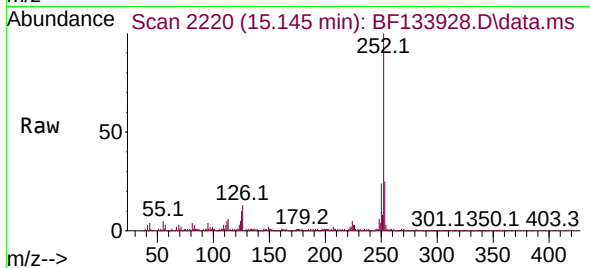
Tgt Ion:252 Resp: 171029
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.0 25.4
 125 9.7 7.8 11.6

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: 31.820 ng

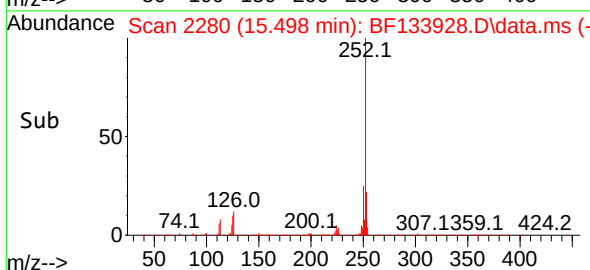
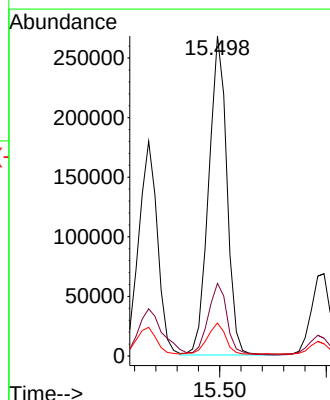
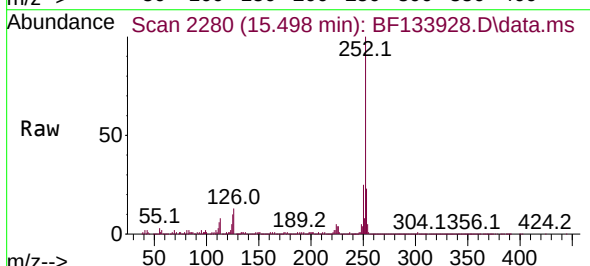
RT: 15.498 min Scan# 2280

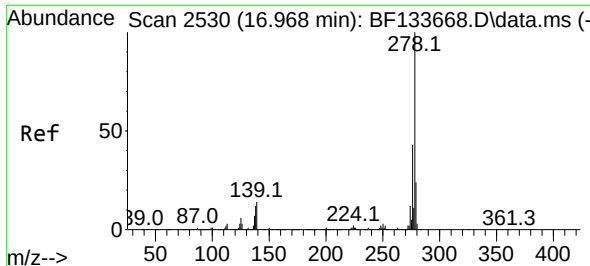
Delta R.T. 0.000 min

Lab File: BF133928.D

Acq: 23 Jun 2023 05:46

Tgt Ion:252 Resp: 318506
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.1 25.7
 125 10.3 8.6 13.0





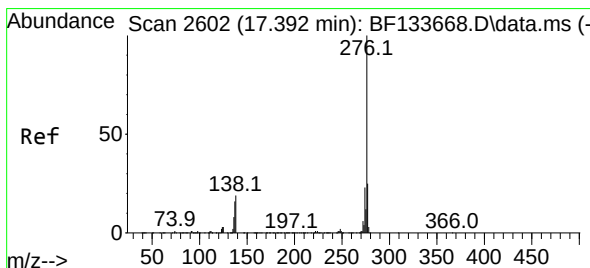
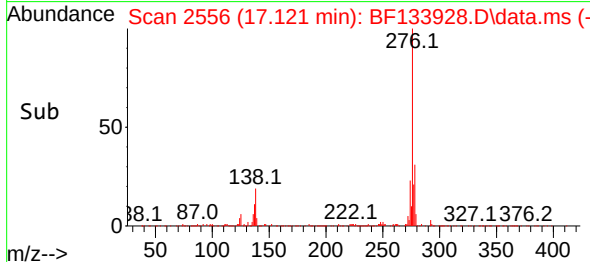
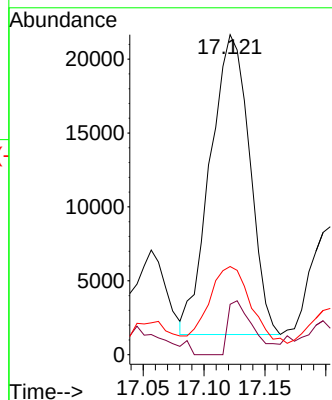
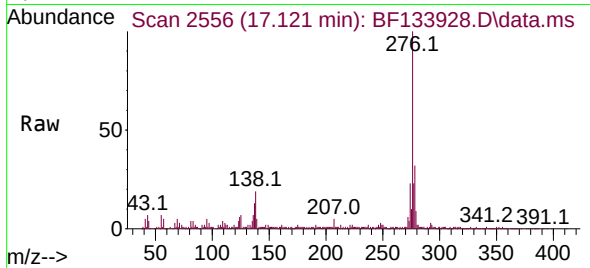
#91
Dibenzo(a,h)anthracene
Concen: 4.514 ng
RT: 17.121 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW03-8-15

Tgt Ion:278 Resp: 45640
Ion Ratio Lower Upper
278 100
139 15.7 11.4 17.2
279 27.6 19.0 28.4

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



#92
Benzo(g,h,i)perylene
Concen: 16.744 ng
RT: 17.586 min Scan# 2635
Delta R.T. -0.006 min
Lab File: BF133928.D
Acq: 23 Jun 2023 05:46

Tgt Ion:276 Resp: 167882
Ion Ratio Lower Upper
276 100
277 23.5 19.8 29.8
138 18.1 15.0 22.4

