

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133852.D
 Acq On : 20 Jun 2023 12:52
 Operator : CG\JU
 Sample : 03222-13 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB-06

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 13:59:27 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	94498	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	353348	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	157290	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	246026	20.000	ng	0.00
76) Chrysene-d12	14.045	240	203191	20.000	ng	0.00
86) Perylene-d12	15.551	264	211703	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	277564	51.135	ng	0.00
7) Phenol-d6	6.493	99	325803	46.111	ng	0.00
23) Nitrobenzene-d5	7.416	82	222076	34.232	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	75339	37.840	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	436615	39.459	ng	0.00
79) Terphenyl-d14	12.980	244	344478	26.233	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	72552	5.812	ng	99
75) Fluoranthene	12.610	202	155444	11.727	ng	99
78) Pyrene	12.839	202	164851	8.709	ng	99
81) Benzo(a)anthracene	14.033	228	101910	7.251	ng	94
83) Chrysene	14.069	228	91502	6.883	ng	96
87) Indeno(1,2,3-cd)pyrene	17.092	276	42831	2.941	ng	99
88) Benzo(b)fluoranthene	15.104	252	152663m	11.871	ng	
89) Benzo(k)fluoranthene	15.133	252	36761m	2.934	ng	
90) Benzo(a)pyrene	15.486	252	92011	7.709	ng	95
92) Benzo(g,h,i)perylene	17.562	276	41643	3.483	ng #	95

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

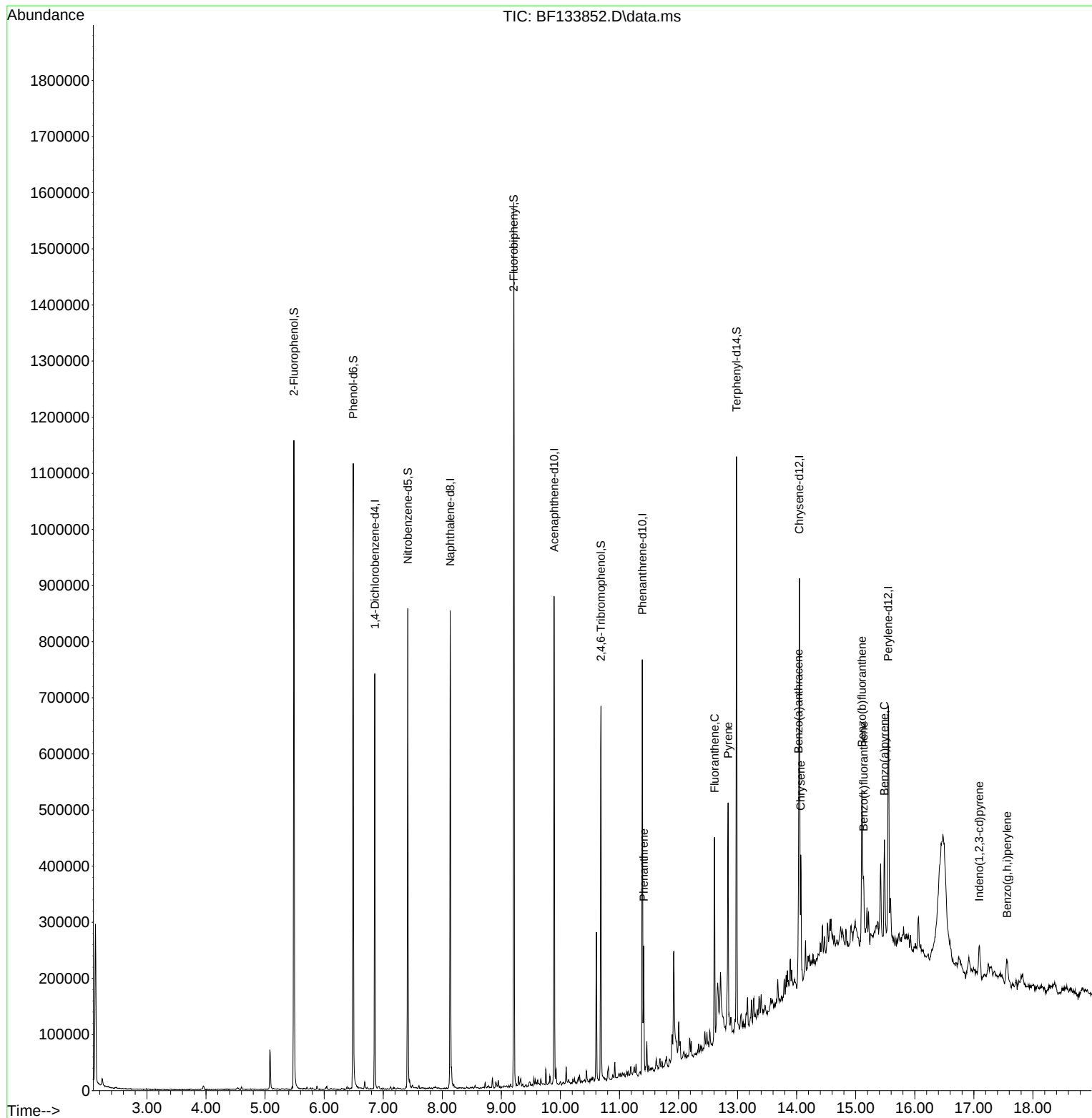
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
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ALS Vial : 10 Sample Multiplier: 1

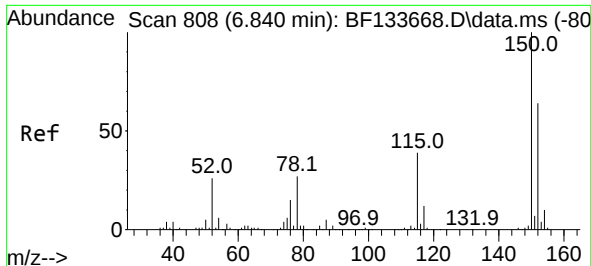
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Quant Time: Jun 20 13:59:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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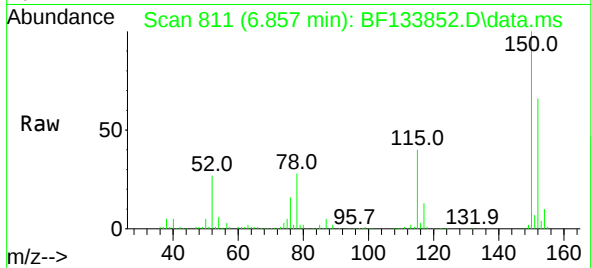
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

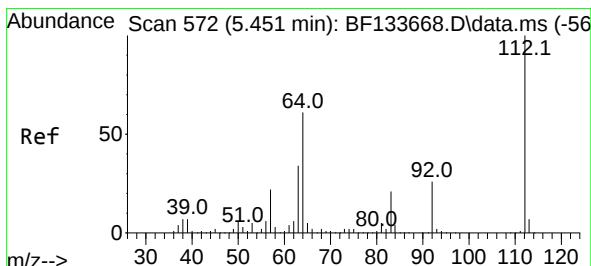
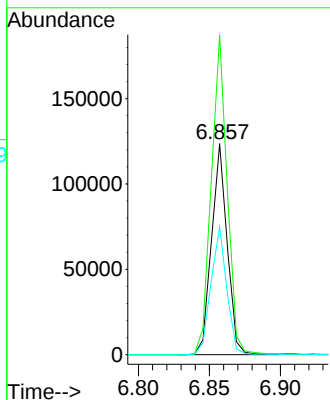
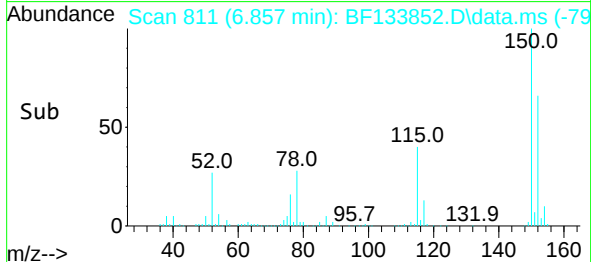
Instrument :
BNA_F
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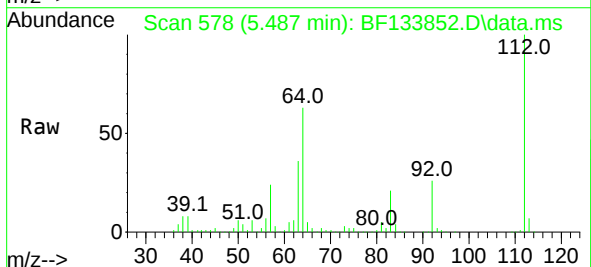
Tgt Ion:152 Resp: 94498
Ion Ratio Lower Upper
152 100
150 151.6 124.3 186.5
115 60.7 48.5 72.7

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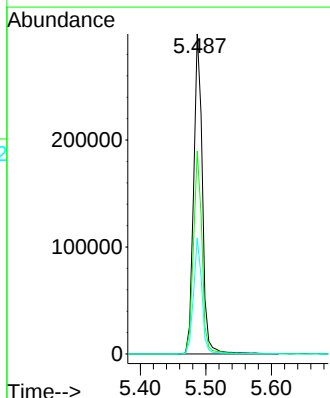
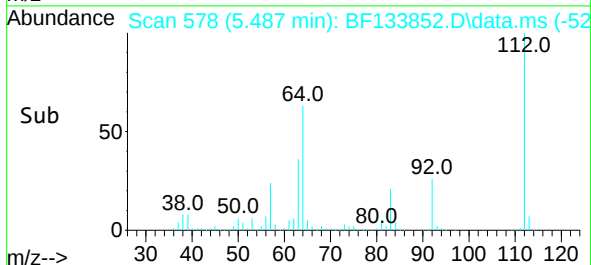
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

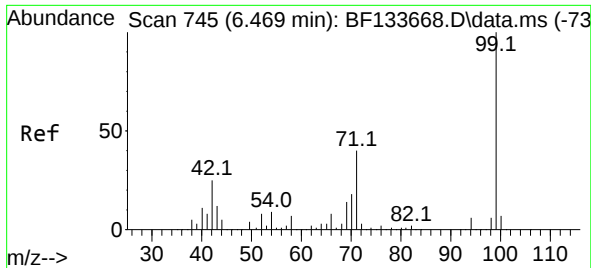


#5
2-Fluorophenol
Concen: 51.135 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52



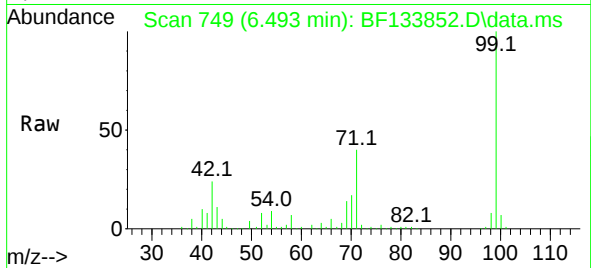
Tgt Ion:112 Resp: 277564
Ion Ratio Lower Upper
112 100
64 63.4 49.0 73.4
63 36.3 26.8 40.2





#7
Phenol-d6
Concen: 46.111 ng
RT: 6.493 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

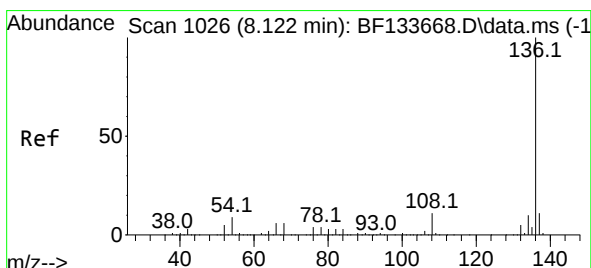
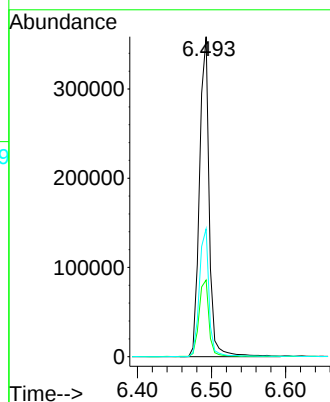
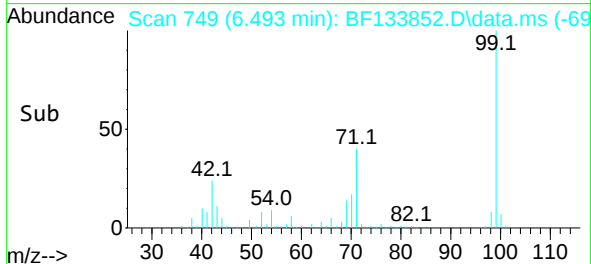
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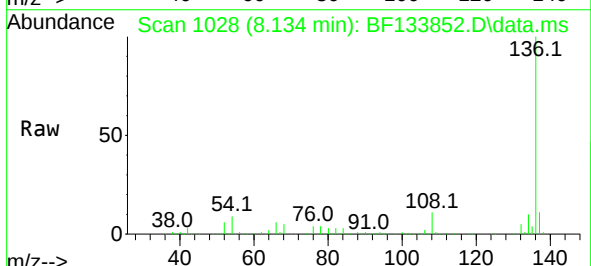
Tgt Ion: 99 Resp: 32580
Ion Ratio Lower Upper
99 100
42 23.9 19.9 29.9
71 40.0 32.2 48.4

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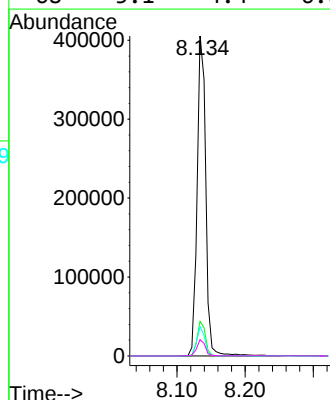
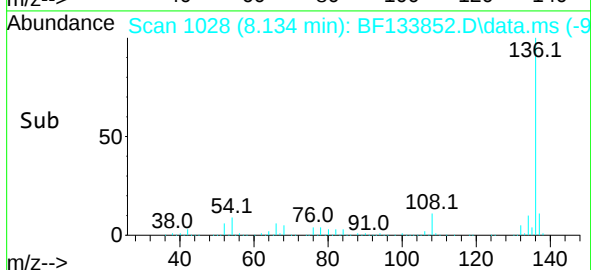
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

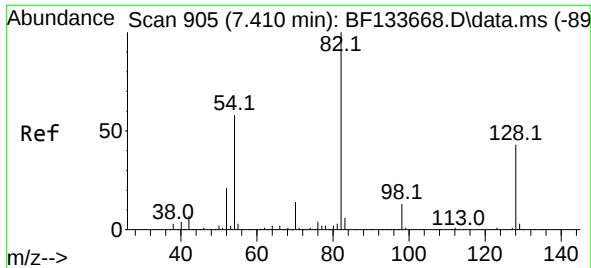


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52



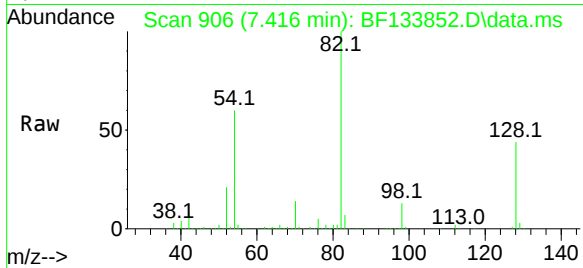
Tgt Ion:136 Resp: 353348
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.2 7.4 11.0
68 5.1 4.4 6.6





#23
Nitrobenzene-d5
Concen: 34.232 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

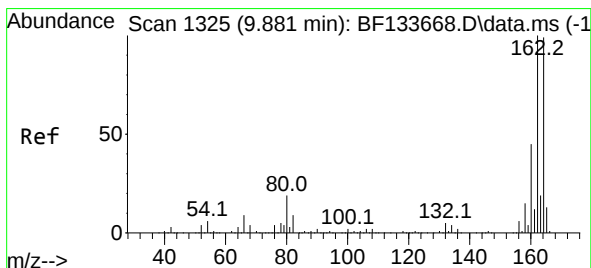
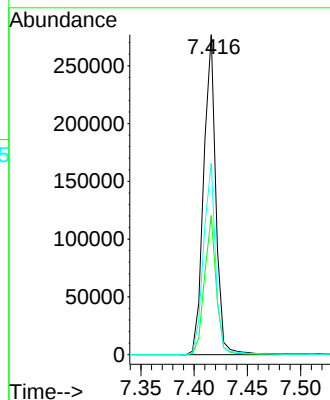
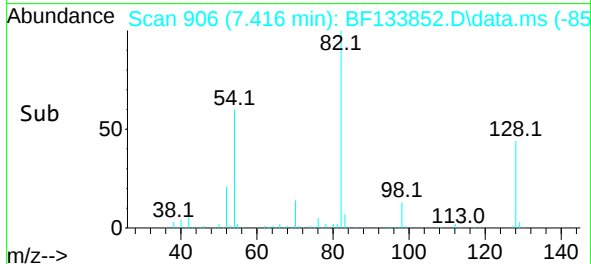
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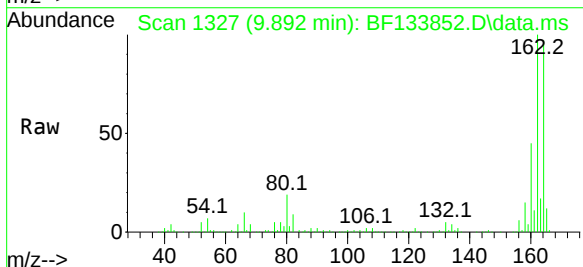
Tgt Ion: 82 Resp: 222070
Ion Ratio Lower Upper
82 100
128 43.5 34.2 51.2
54 59.8 46.5 69.7

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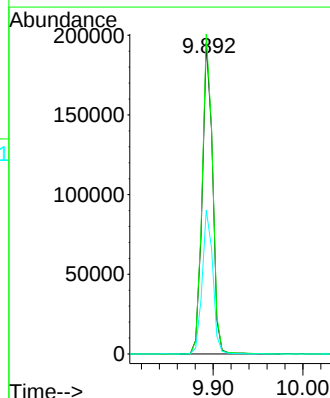
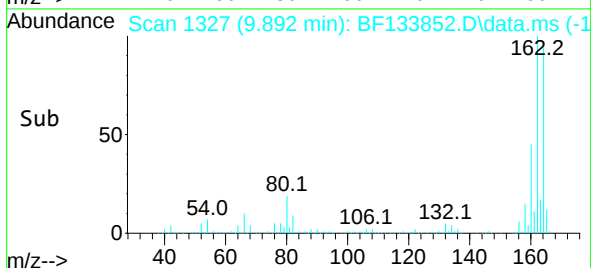
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

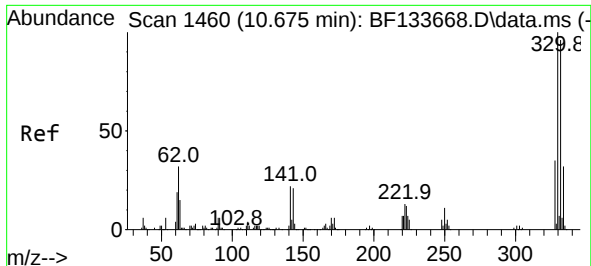


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52



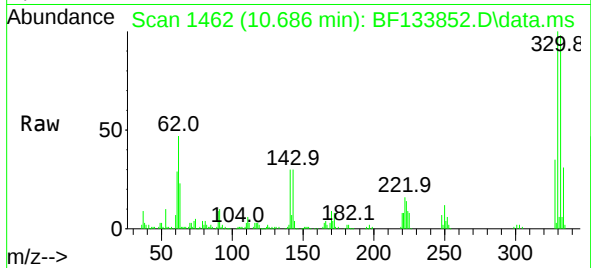
Tgt Ion:164 Resp: 157290
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 46.3 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 37.840 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

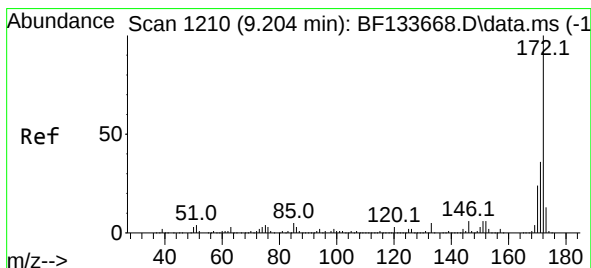
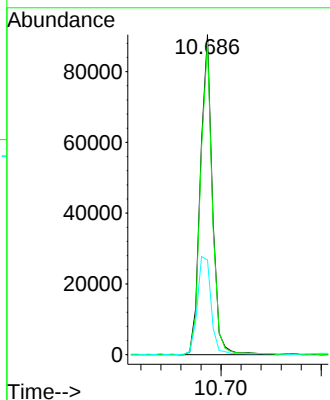
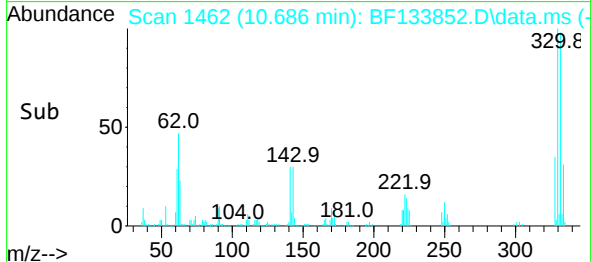
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



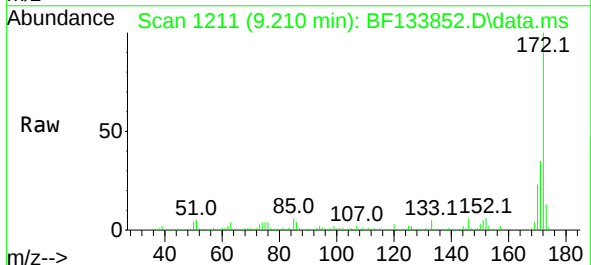
Tgt Ion: 330 Resp: 75339
Ion Ratio Lower Upper
330 100
332 96.4 77.2 115.8
141 35.4 24.9 37.3

Manual Integrations
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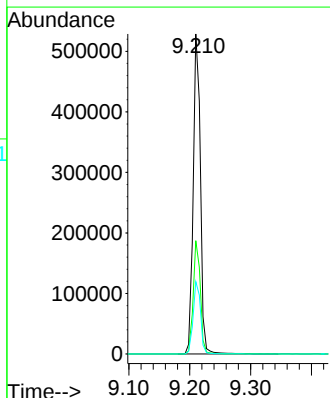
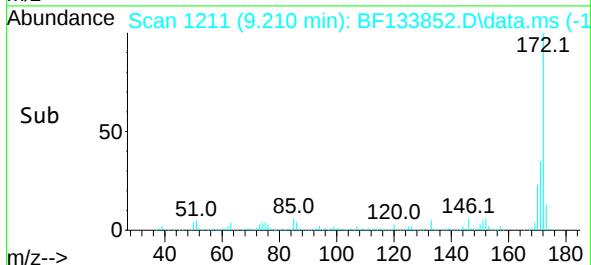
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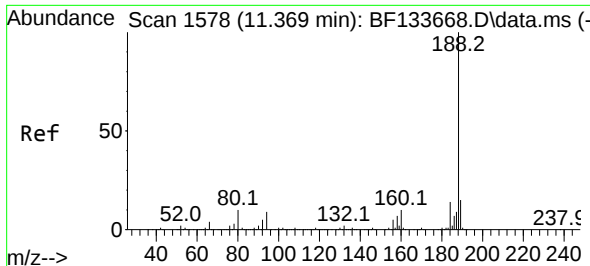


#45
2-Fluorobiphenyl
Concen: 39.459 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52



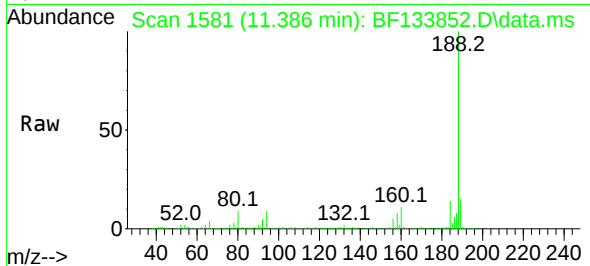
Tgt Ion: 172 Resp: 436615
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 22.6 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

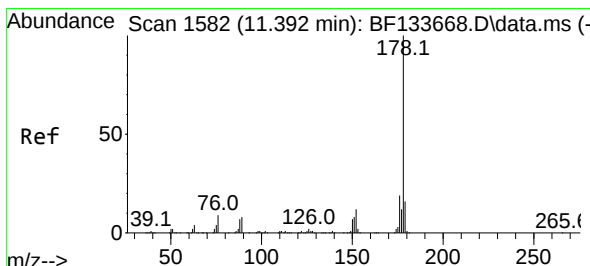
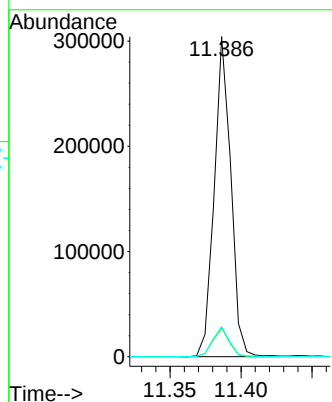
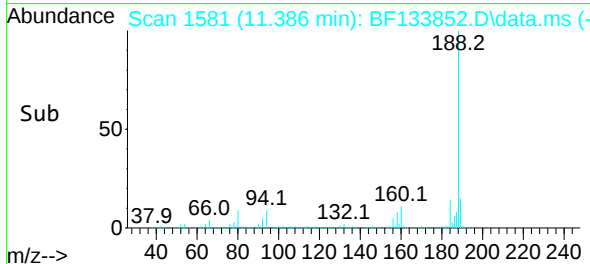
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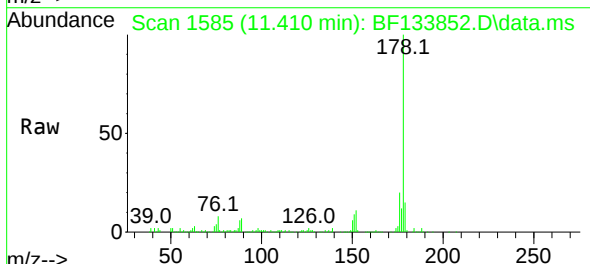
Tgt Ion:188 Resp: 246020
Ion Ratio Lower Upper
188 100
94 9.0 6.8 10.2
80 9.4 7.8 11.6

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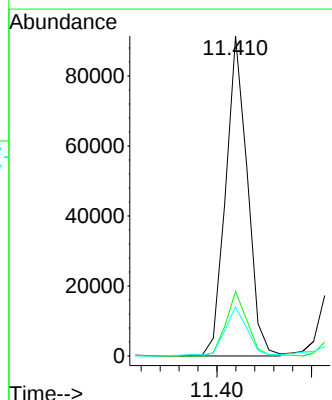
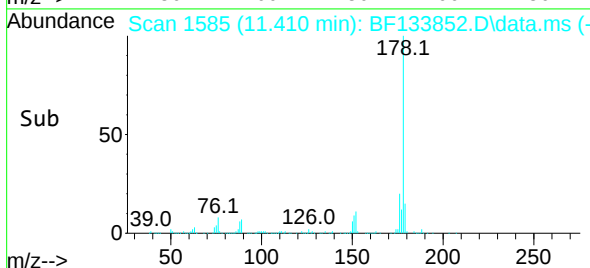
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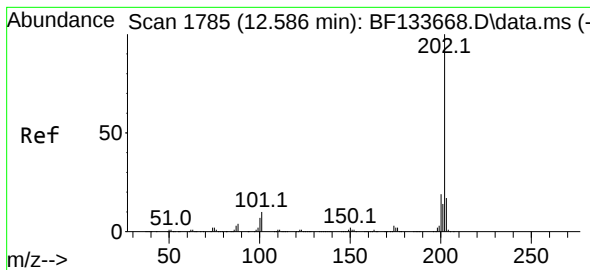


#71
Phenanthrene
Concen: 5.812 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52



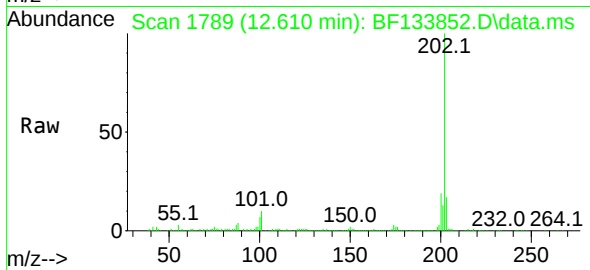
Tgt Ion:178 Resp: 72552
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 15.3 12.4 18.6





#75
Fluoranthene
Concen: 11.727 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

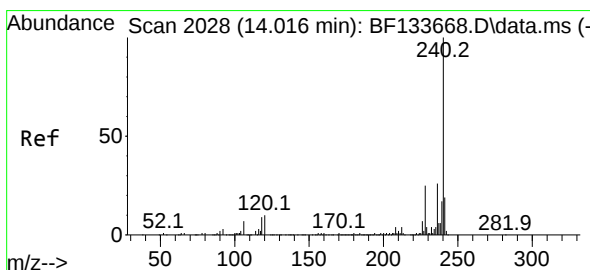
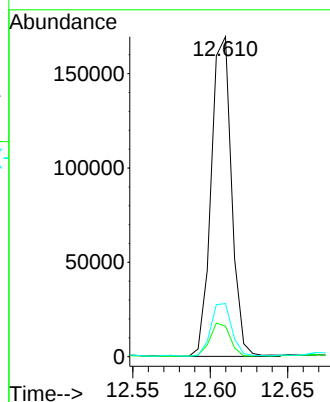
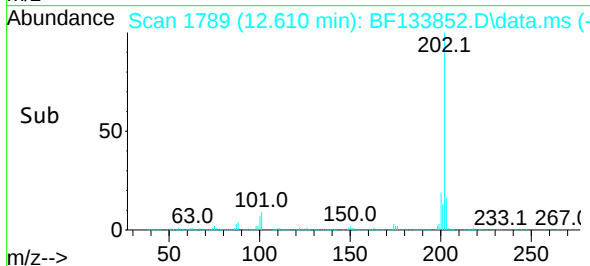
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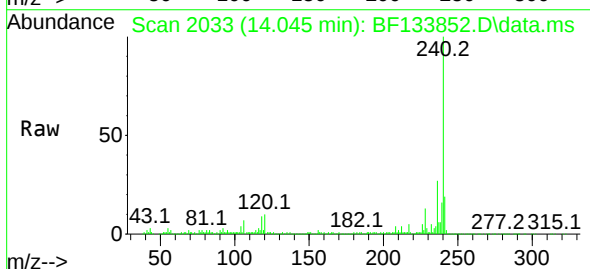
Tgt Ion:202 Resp: 15544
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.6
203 16.6 0.0 37.4

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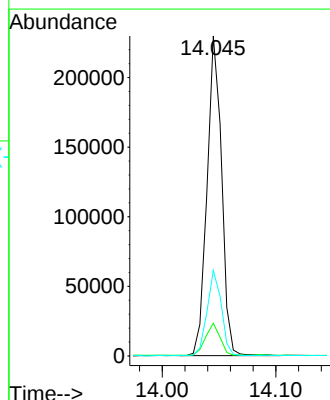
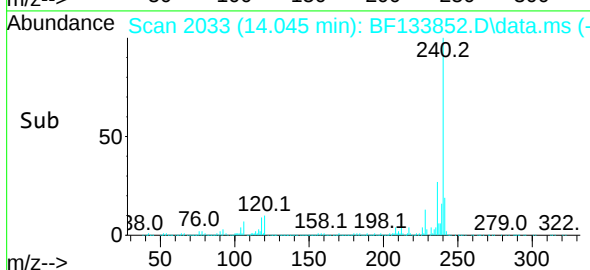
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

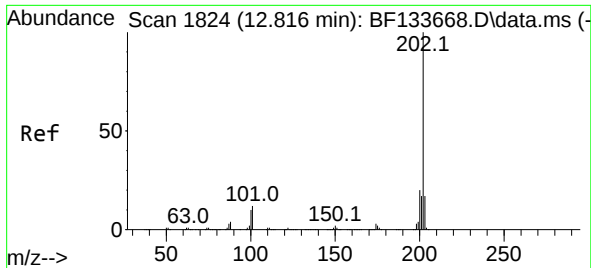


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52



Tgt Ion:240 Resp: 203191
Ion Ratio Lower Upper
240 100
120 10.2 8.1 12.1
236 26.7 20.5 30.7





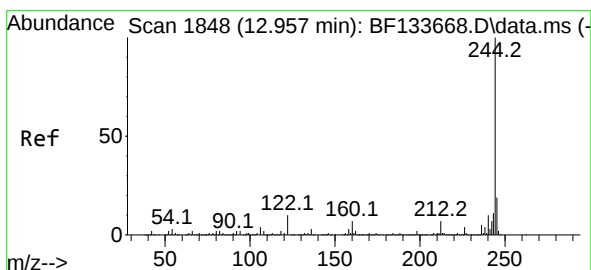
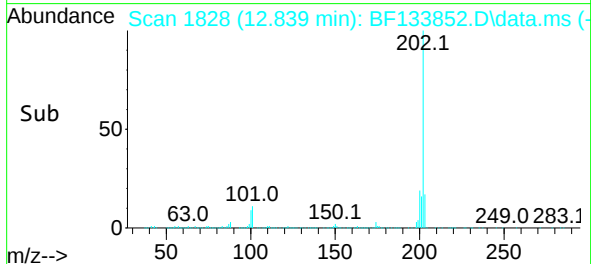
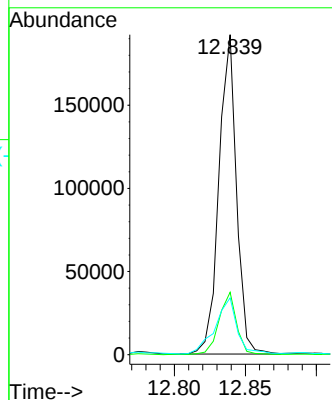
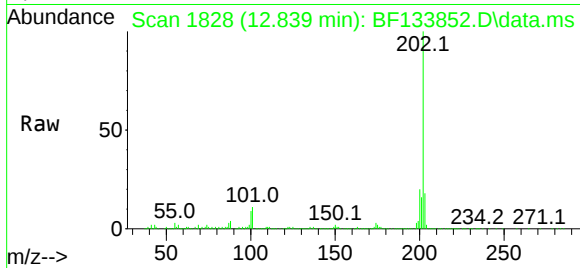
#78
Pyrene
Concen: 8.709 ng
RT: 12.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

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Tgt Ion:202 Resp: 16485
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 17.7 13.9 20.9

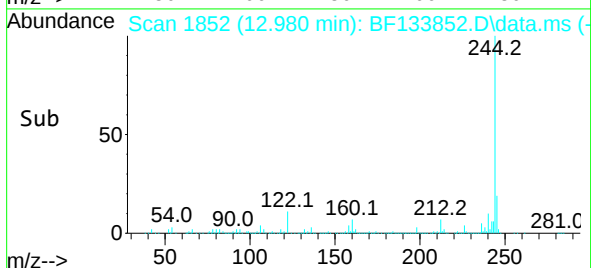
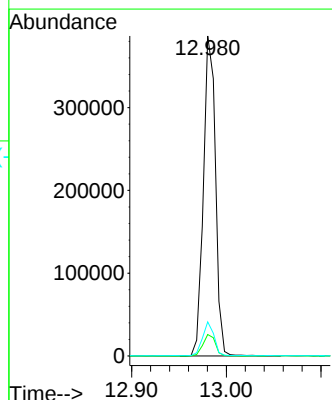
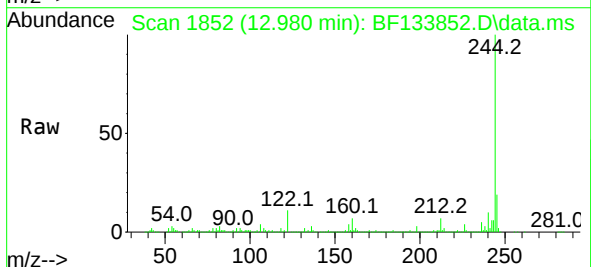
Manual Integrations
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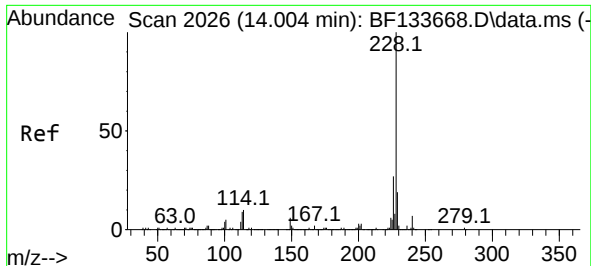
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#79
Terphenyl-d14
Concen: 26.233 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

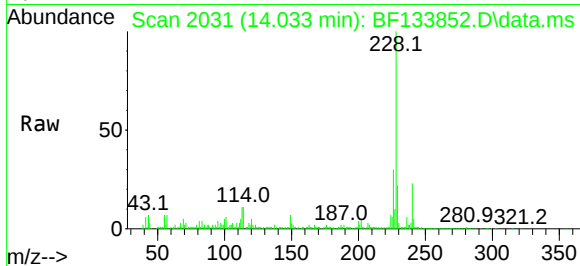
Tgt Ion:244 Resp: 344478
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.7 8.1 12.1





#81
Benzo(a)anthracene
Concen: 7.251 ng
RT: 14.033 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

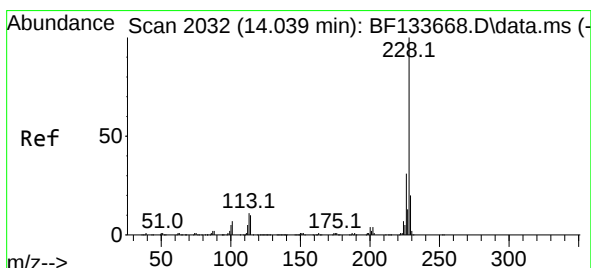
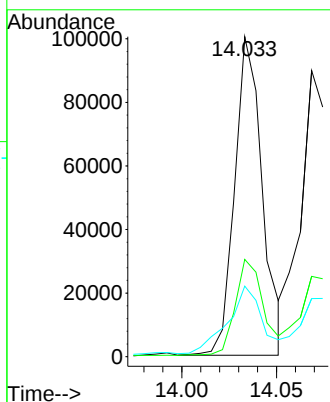
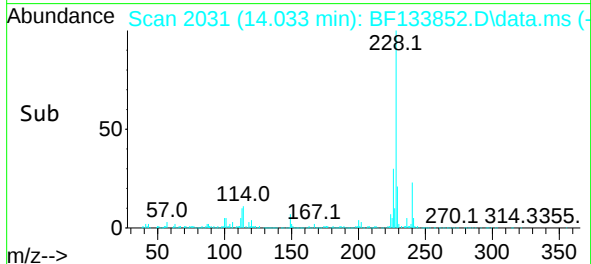
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



Tgt Ion:228 Resp: 101910
Ion Ratio Lower Upper
228 100
226 30.4 21.7 32.5
229 22.0 15.4 23.2

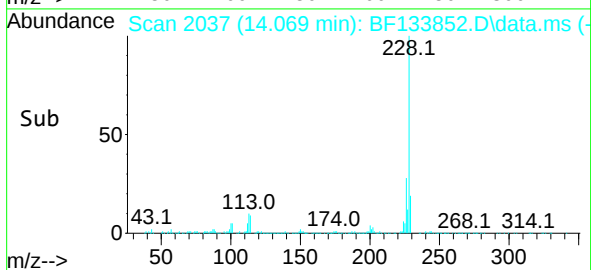
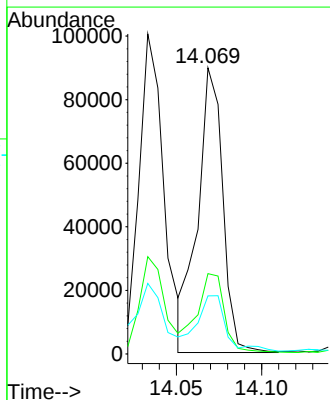
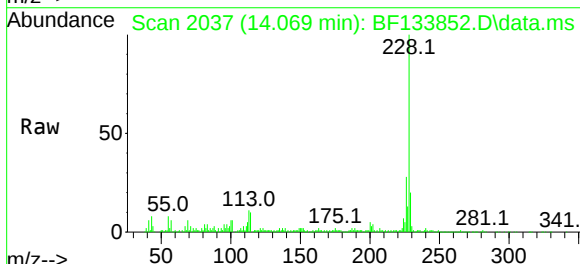
Manual Integrations
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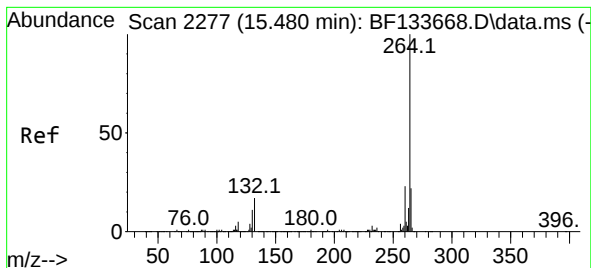
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023



#83
Chrysene
Concen: 6.883 ng
RT: 14.069 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

Tgt Ion:228 Resp: 91502
Ion Ratio Lower Upper
228 100
226 28.1 25.0 37.6
229 20.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21170

Delta R.T. 0.000 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

Instrument :

BNA_F

ClientSampleId :

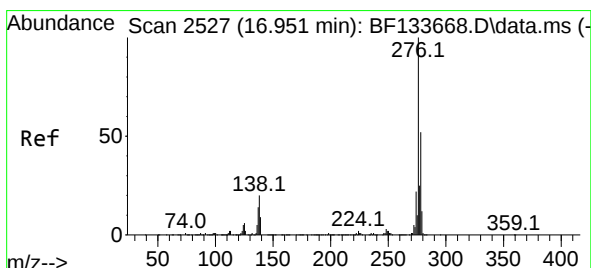
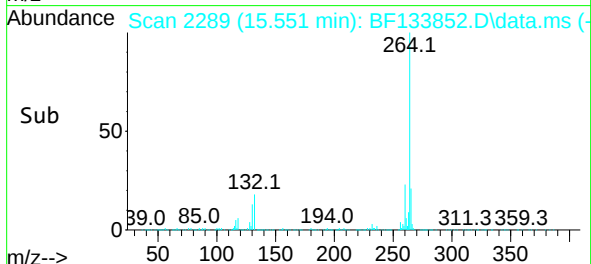
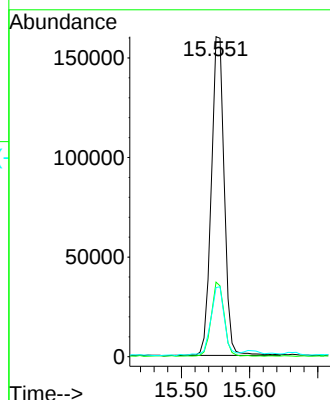
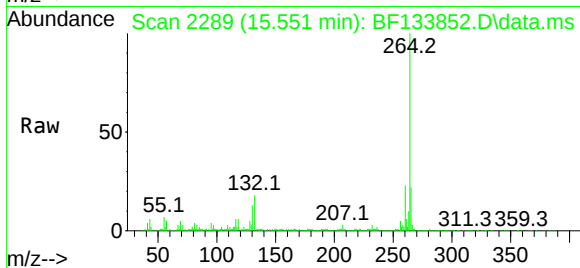
COMPOSITE-SB-06

Tgt Ion:264	Resp: 21170
Ion Ratio	Lower Upper
264 100	
260 23.3	18.2 27.2
265 21.6	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: 2.941 ng

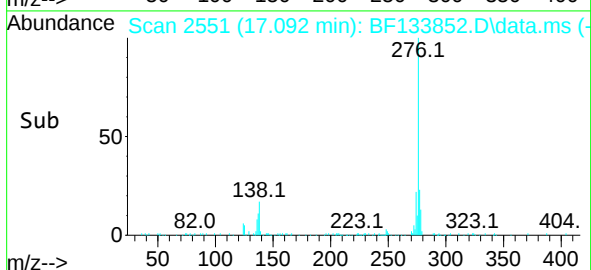
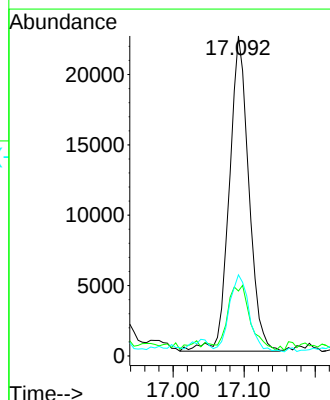
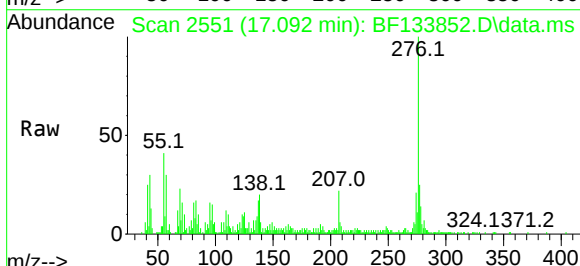
RT: 17.092 min Scan# 2551

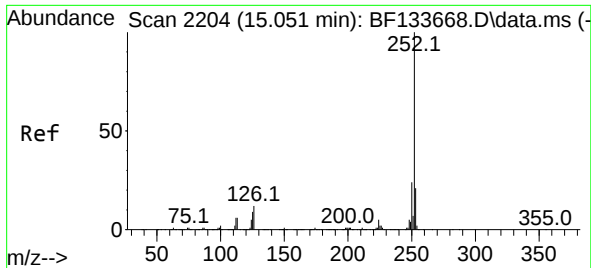
Delta R.T. -0.006 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

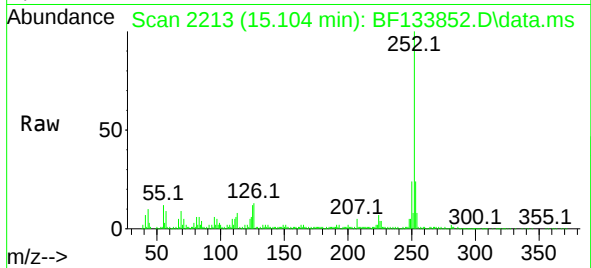
Tgt Ion:276	Resp: 42831
Ion Ratio	Lower Upper
276 100	
138 23.3	17.9 26.9
277 24.8	20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 11.871 ng m
RT: 15.104 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

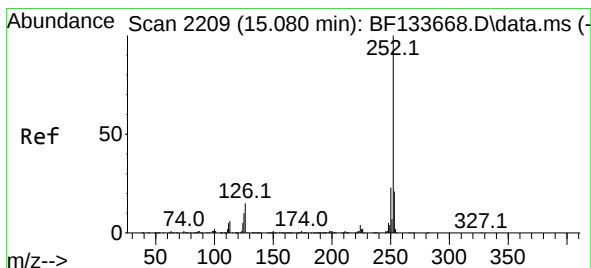
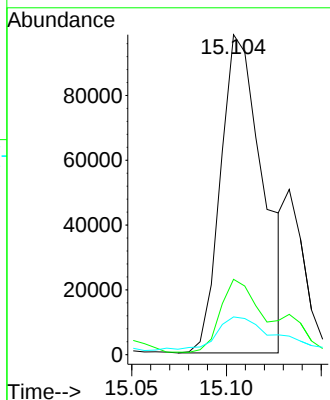
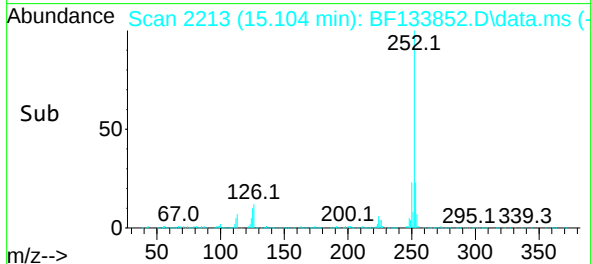
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



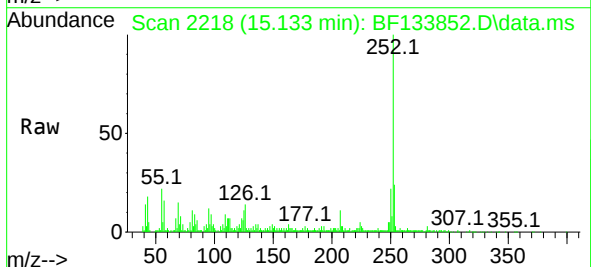
Tgt Ion:252 Resp: 15266
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 11.8 7.3 10.9

Manual Integrations
APPROVED

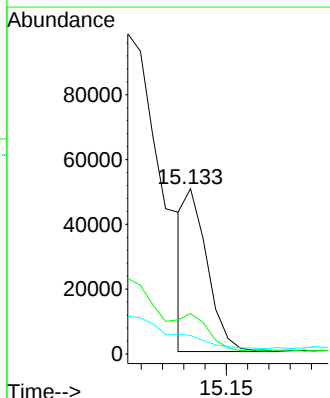
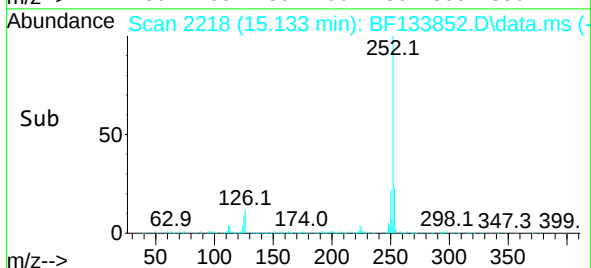
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/21/2023

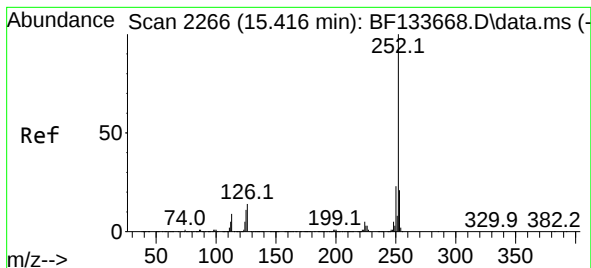


#89
Benzo(k)fluoranthene
Concen: 2.934 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52



Tgt Ion:252 Resp: 36761
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.4
125 11.2 7.8 11.6





#90

Benzo(a)pyrene

Concen: 7.709 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

Instrument :

BNA_F

ClientSampleId :

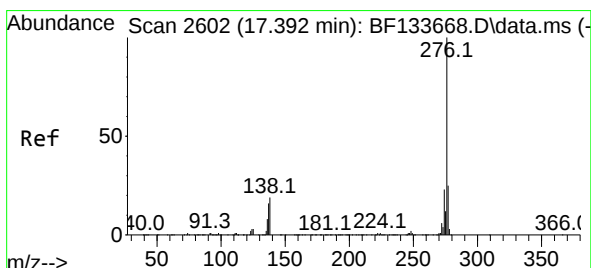
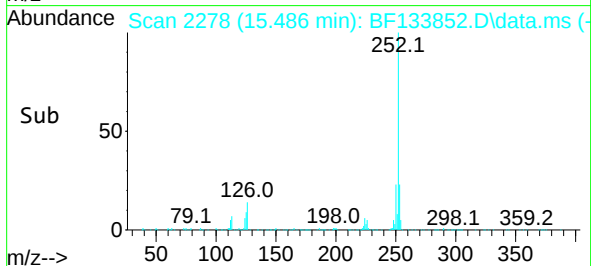
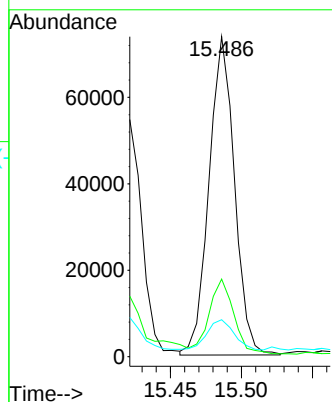
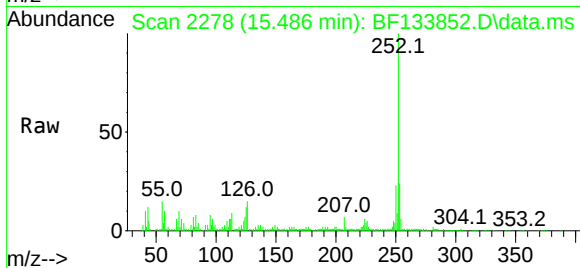
COMPOSITE-SB-06

Tgt Ion:252 Resp: 9201
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.1 25.7
 125 11.6 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: 3.483 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.012 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

Tgt Ion:276 Resp: 41643
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.8 29.8
 138 22.8 15.0 22.4#

