

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
 Data File : BF133939.D
 Acq On : 23 Jun 2023 13:03
 Operator : CG\JU
 Sample : 03331-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 23 13:29:57 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	118344	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	433442	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	193921	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	342571	20.000	ng	0.00
76) Chrysene-d12	14.051	240	212341	20.000	ng	0.00
86) Perylene-d12	15.562	264	188538	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	497609	73.201	ng	0.00
7) Phenol-d6	6.498	99	605240	68.400	ng	0.00
23) Nitrobenzene-d5	7.422	82	412933	51.890	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	153421	62.501	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	763556	55.972	ng	0.00
79) Terphenyl-d14	12.986	244	703876	51.292	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	237541	13.667	ng	98
72) Anthracene	11.469	178	64566	3.563	ng	97
75) Fluoranthene	12.616	202	454238	24.611	ng	99
78) Pyrene	12.845	202	414932	20.977	ng	98
81) Benzo(a)anthracene	14.039	228	200643	13.661	ng	97
83) Chrysene	14.074	228	182300	13.123	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	88663	6.836	ng	98
88) Benzo(b)fluoranthene	15.115	252	217843m	19.021	ng	
89) Benzo(k)fluoranthene	15.139	252	68245m	6.117	ng	
90) Benzo(a)pyrene	15.498	252	148958	14.014	ng	99
91) Dibenzo(a,h)anthracene	17.127	278	23566	2.195	ng	# 87
92) Benzo(g,h,i)perylene	17.586	276	86182	8.095	ng	99

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

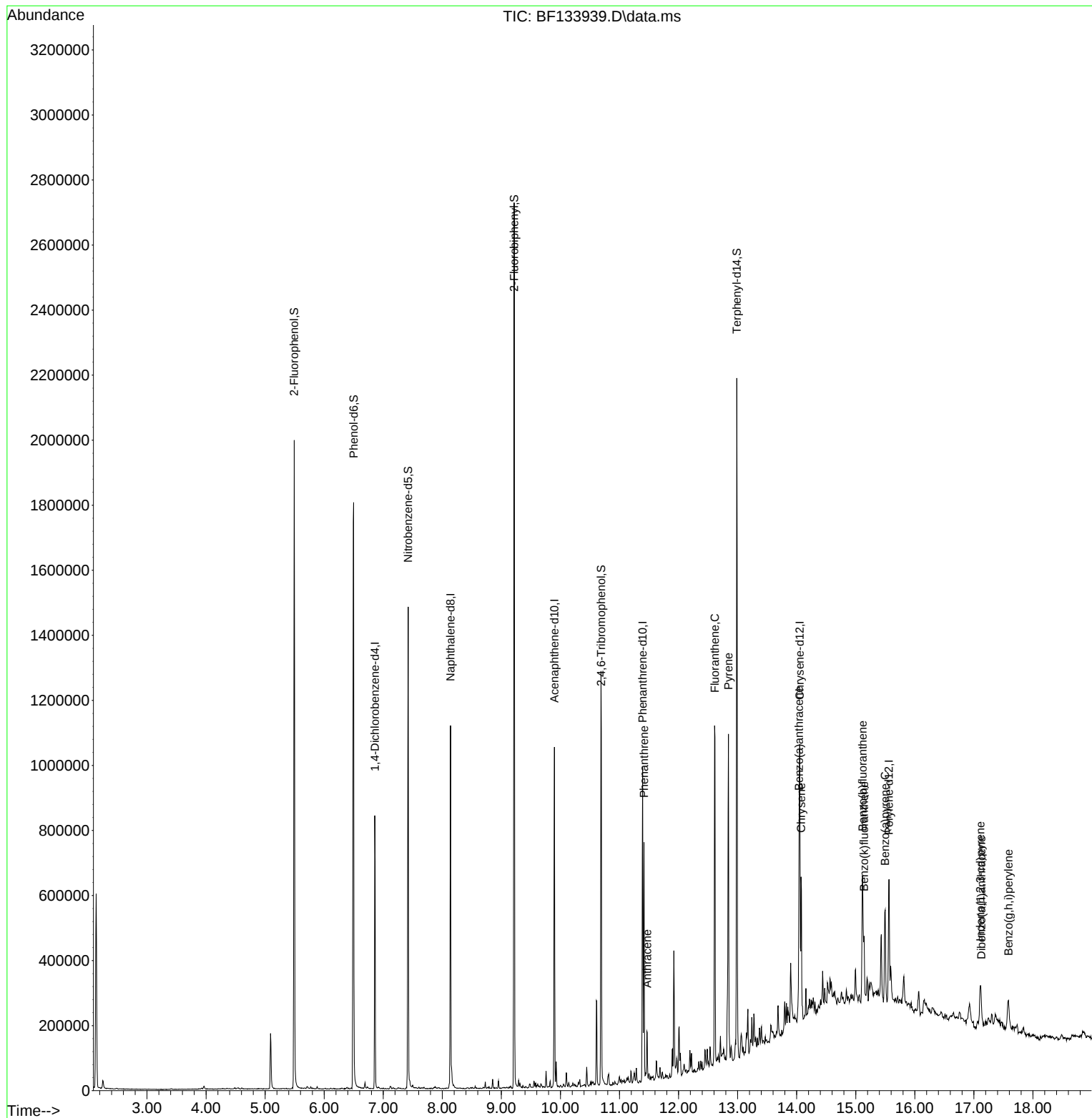
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
Data File : BF133939.D
Acq On : 23 Jun 2023 13:03
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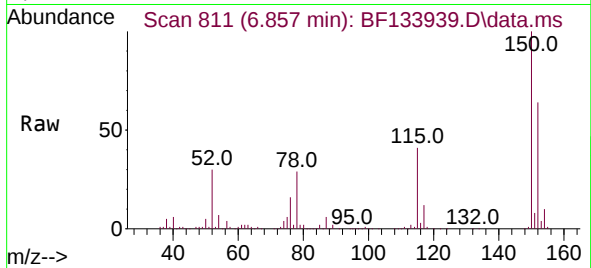
Quant Time: Jun 23 13:29:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 02:21:26 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03

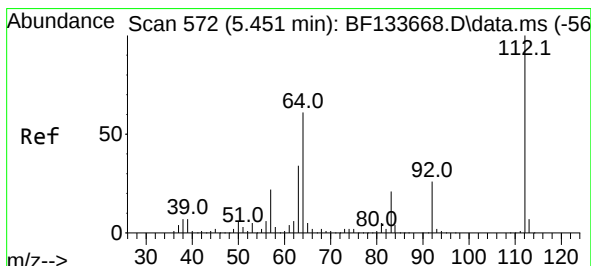
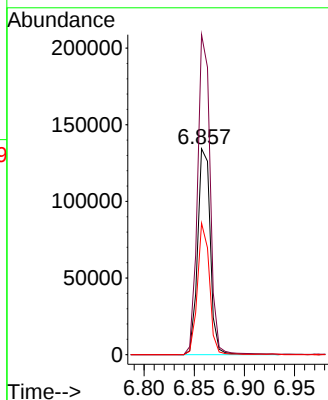
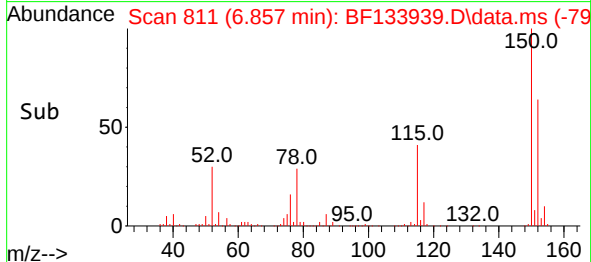
Instrument :
BNA_F
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COMPOSITE-SB8



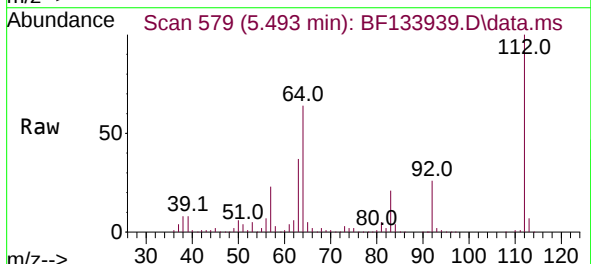
Tgt Ion:152 Resp: 118344
Ion Ratio Lower Upper
152 100
150 155.3 124.3 186.5
115 63.8 48.5 72.7

Manual Integrations
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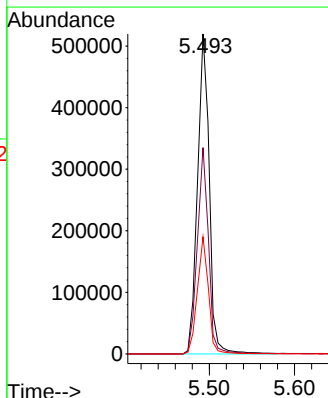
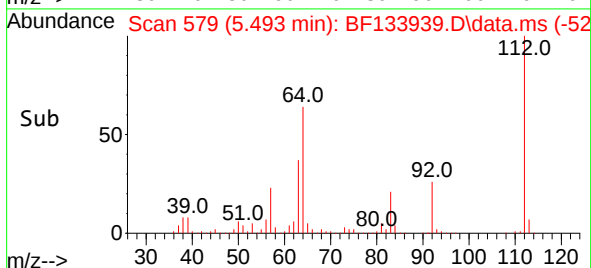
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#5
2-Fluorophenol
Concen: 73.201 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03



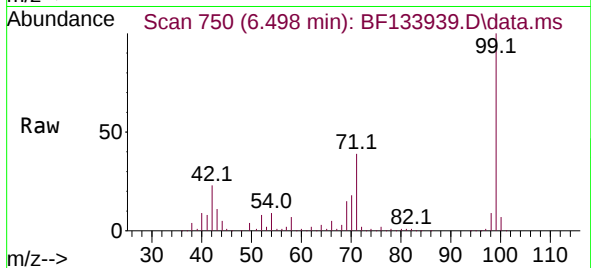
Tgt Ion:112 Resp: 497609
Ion Ratio Lower Upper
112 100
64 64.5 49.0 73.4
63 36.6 26.8 40.2





#7
Phenol-d6
Concen: 68.400 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03

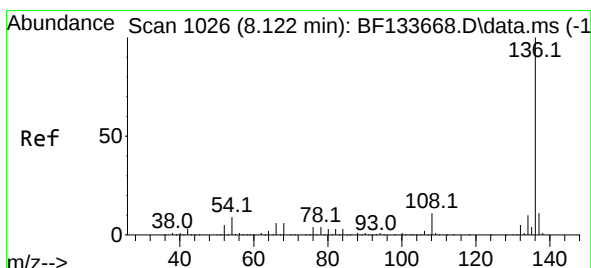
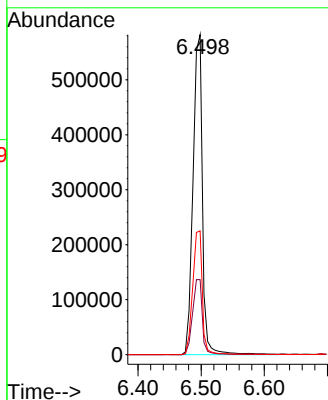
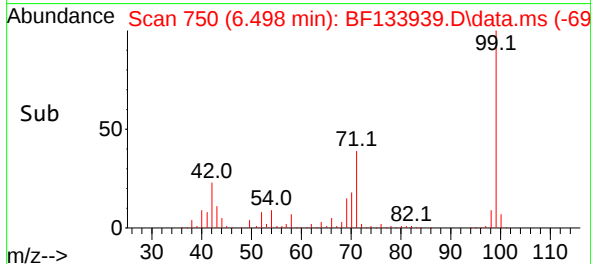
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB8



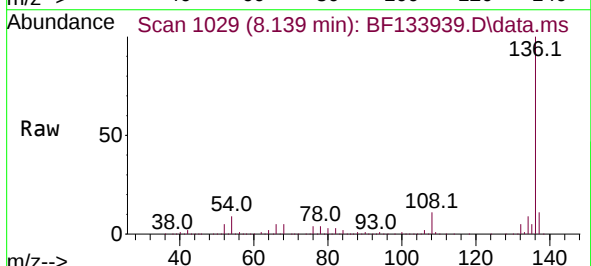
Tgt Ion: 99 Resp: 605240
Ion Ratio Lower Upper
99 100
42 23.4 19.9 29.9
71 38.7 32.2 48.4

Manual Integrations
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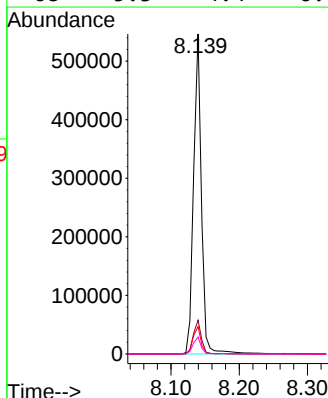
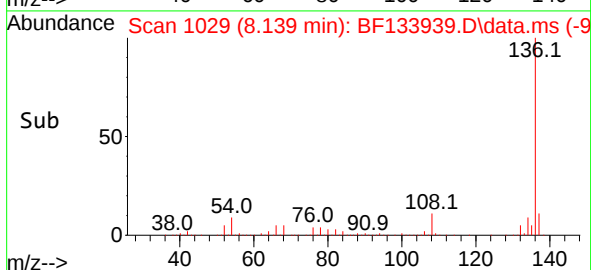
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03



Tgt Ion:136 Resp: 433442
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.6 7.4 11.0
68 5.3 4.4 6.6





#23

Nitrobenzene-d5

Concen: 51.890 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB8

Tgt Ion: 82 Resp: 41293

Ion Ratio Lower Upper

82 100

128 43.0 34.2 51.2

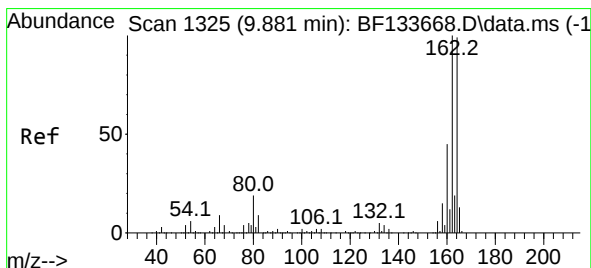
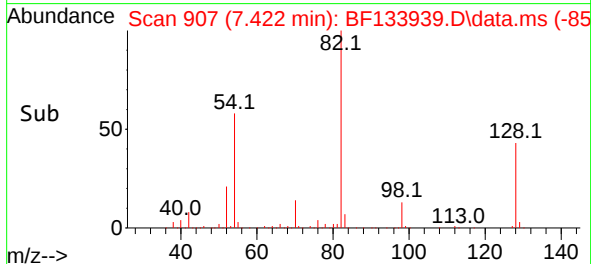
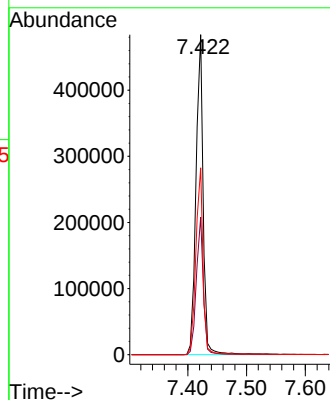
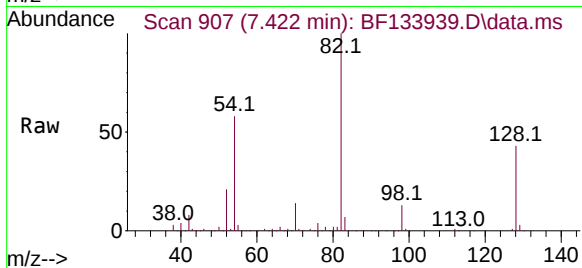
54 58.4 46.5 69.7

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

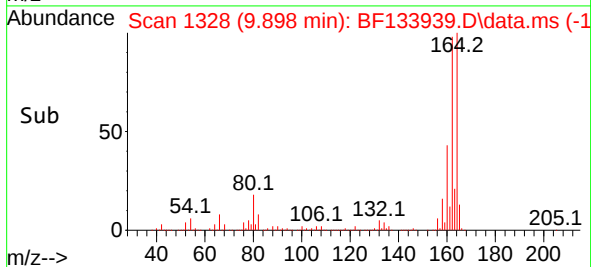
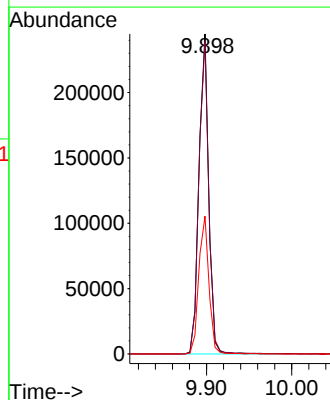
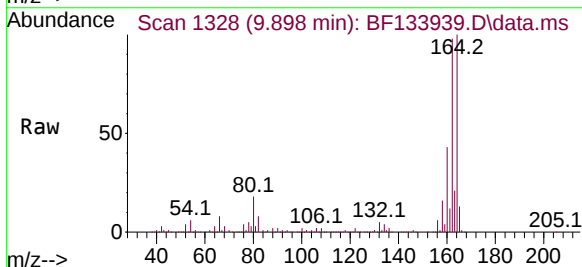
Tgt Ion:164 Resp: 193921

Ion Ratio Lower Upper

164 100

162 97.7 80.8 121.2

160 43.0 36.7 55.1





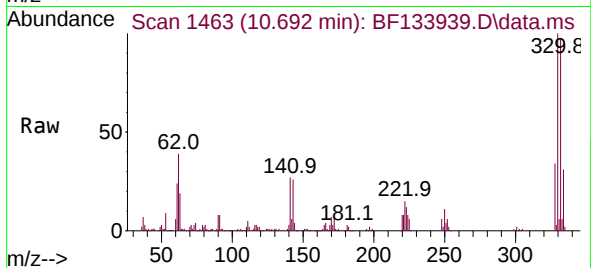
#42
2,4,6-Tribromophenol
Concen: 62.501 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB8

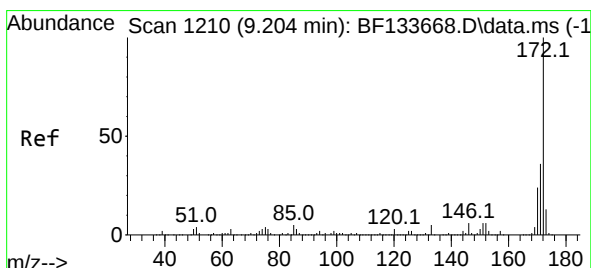
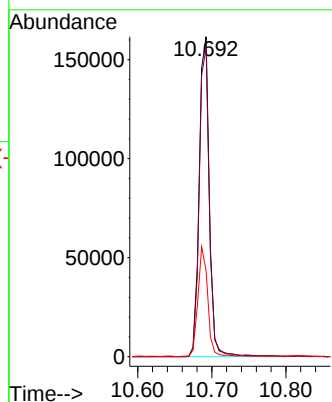
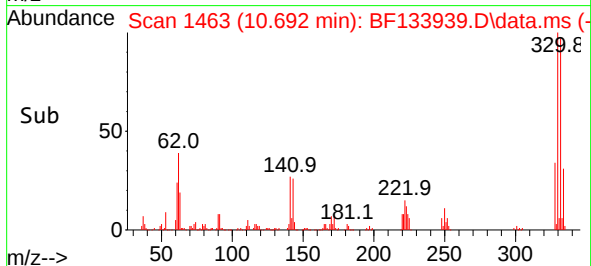


Tgt Ion:330 Resp: 15342
Ion Ratio Lower Upper
330 100
332 95.8 77.2 115.8
141 33.4 24.9 37.3

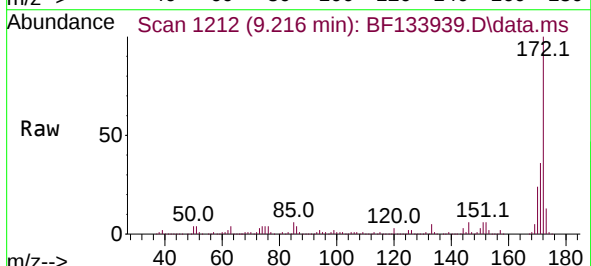
Manual Integrations

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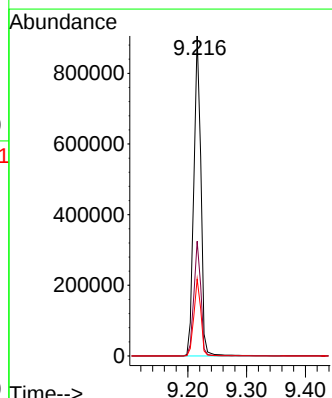
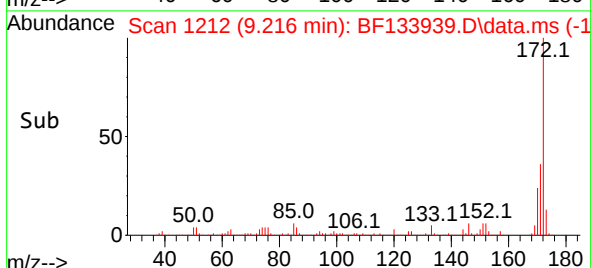
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

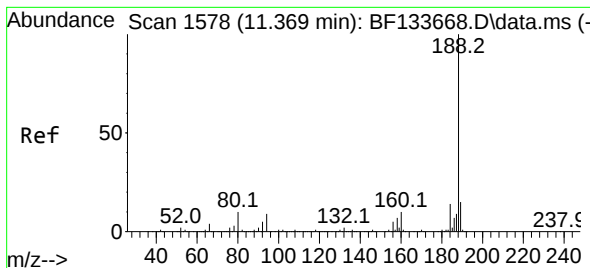


#45
2-Fluorobiphenyl
Concen: 55.972 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03



Tgt Ion:172 Resp: 763556
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.1 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB8

Tgt Ion:188 Resp: 34257

Ion Ratio Lower Upper

188 100

94 8.8 6.8 10.2

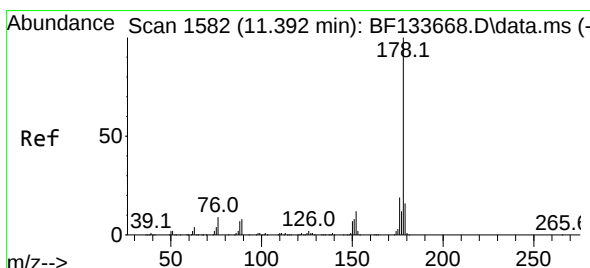
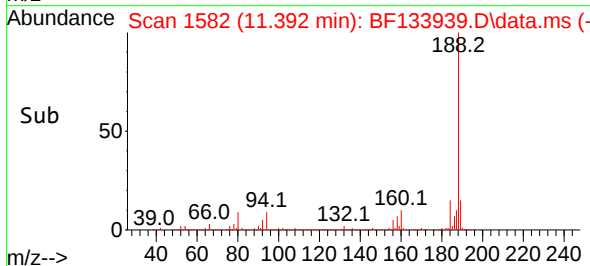
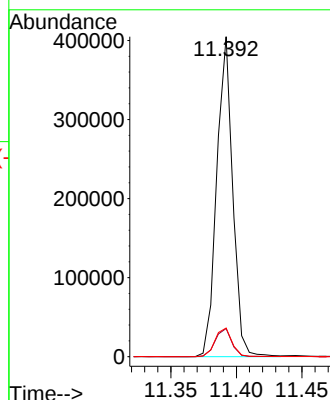
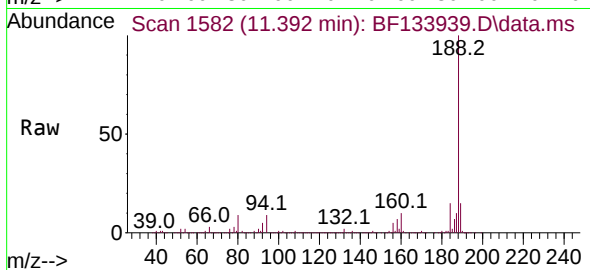
80 9.0 7.8 11.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#71

Phenanthrene

Concen: 13.667 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

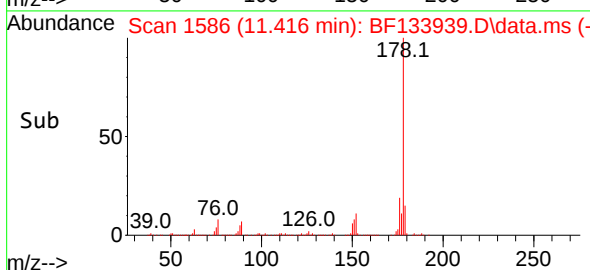
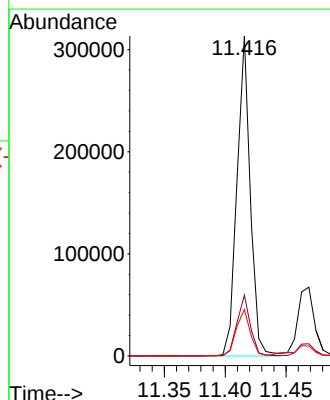
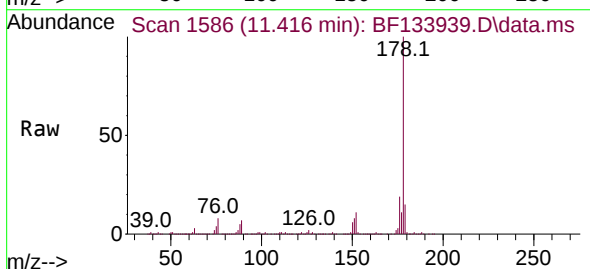
Tgt Ion:178 Resp: 237541

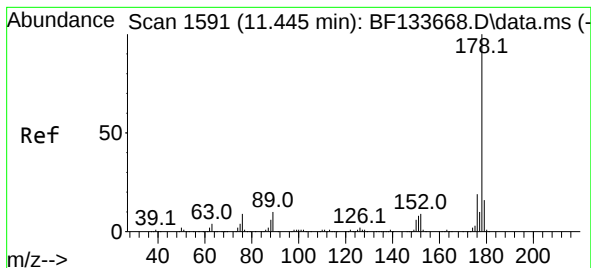
Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

179 14.6 12.4 18.6





#72

Anthracene

Concen: 3.563 ng

RT: 11.469 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB8

Tgt Ion:178 Resp: 6456

Ion Ratio Lower Upper

178 100

176 17.7 15.1 22.7

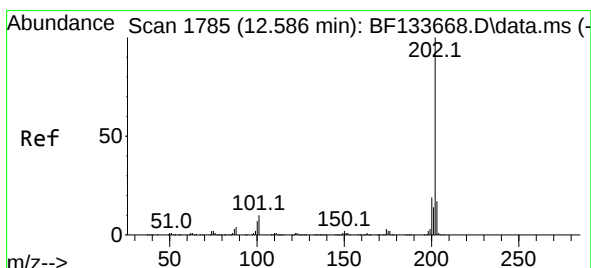
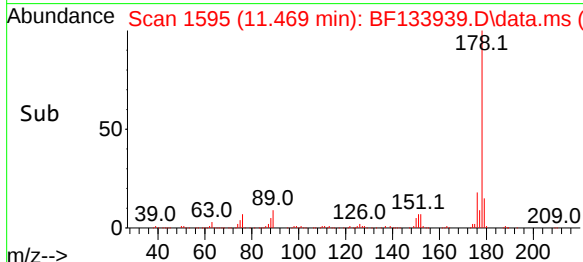
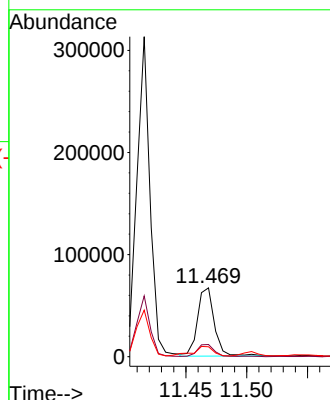
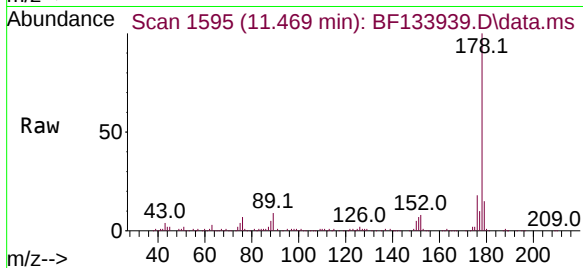
179 14.5 12.6 18.8

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#75

Fluoranthene

Concen: 24.611 ng

RT: 12.616 min Scan# 1790

Delta R.T. 0.000 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

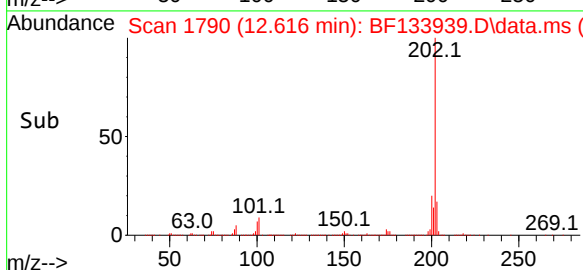
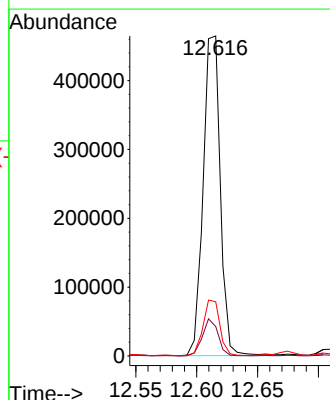
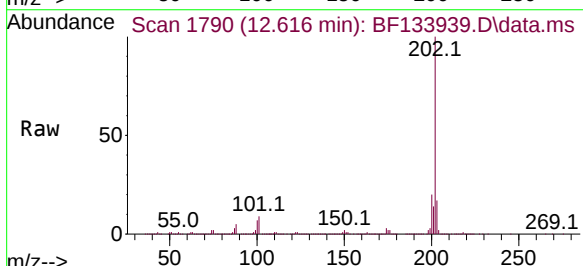
Tgt Ion:202 Resp: 454238

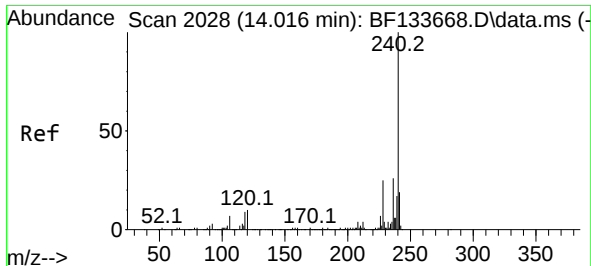
Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

203 16.9 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03

Instrument :

BNA_F

ClientSampleId :

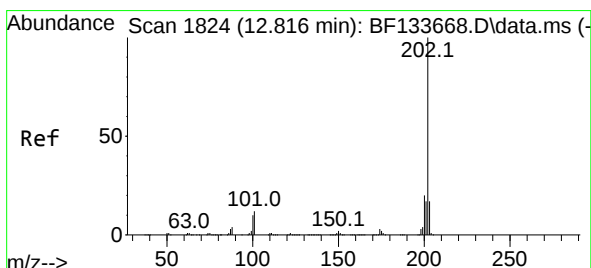
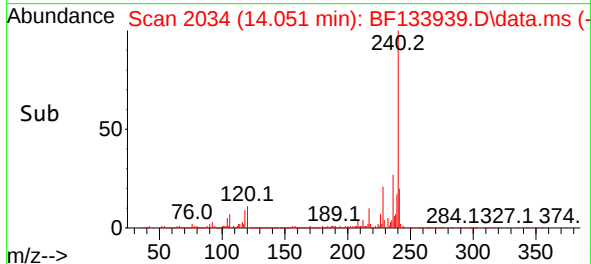
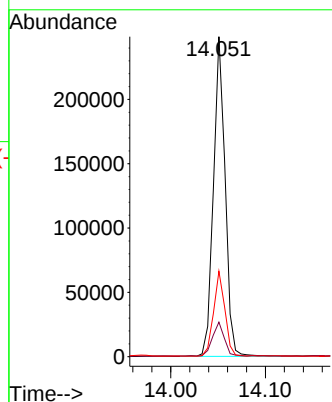
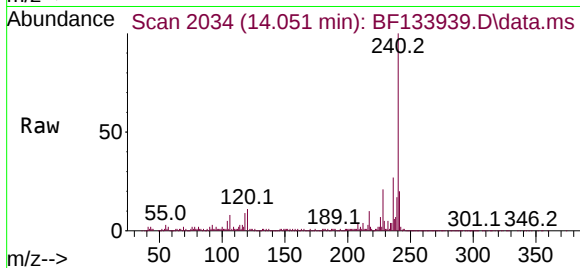
COMPOSITE-SB8

Tgt Ion:240 Resp: 21234
Ion Ratio Lower Upper
240 100
120 10.8 8.1 12.1
236 26.7 20.5 30.7

Manual Integrations

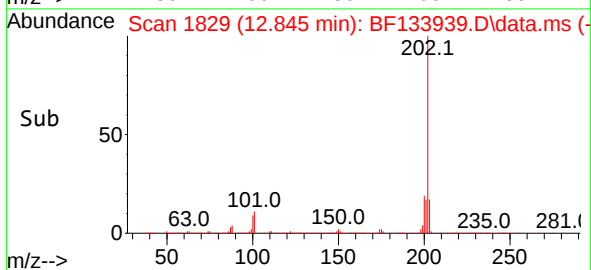
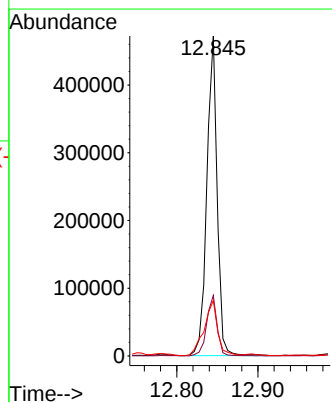
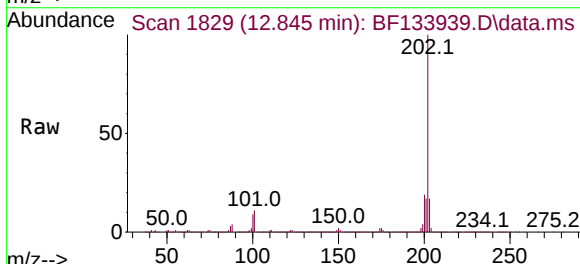
APPROVED

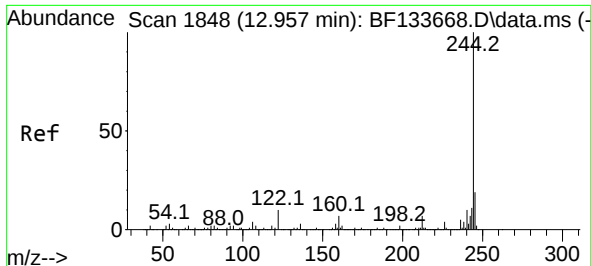
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#78
Pyrene
Concen: 20.977 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03

Tgt Ion:202 Resp: 414932
Ion Ratio Lower Upper
202 100
200 18.9 16.2 24.2
203 17.3 13.9 20.9





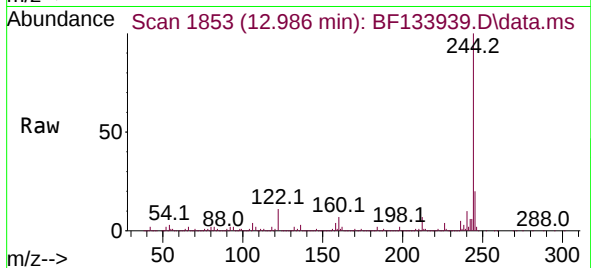
#79
 Terphenyl-d14
 Concen: 51.292 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF133939.D
 Acq: 23 Jun 2023 13:03

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB8

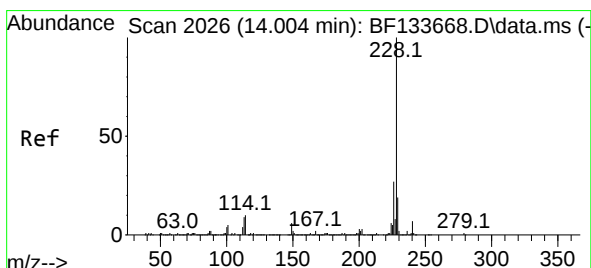
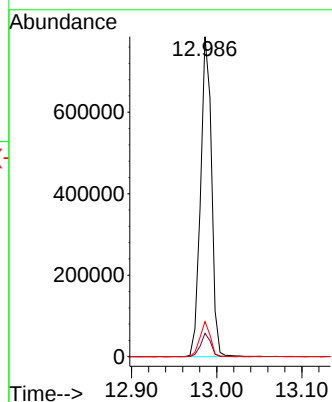
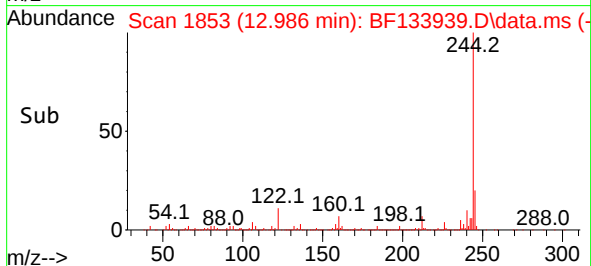


Tgt Ion:244 Resp: 703870
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 10.9 8.1 12.1

Manual Integrations

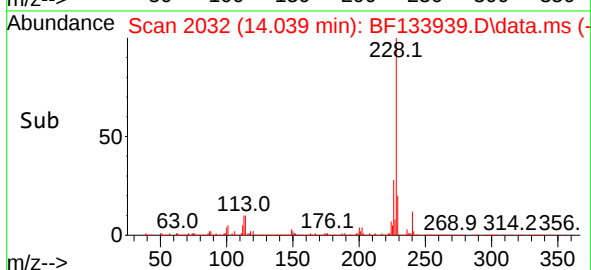
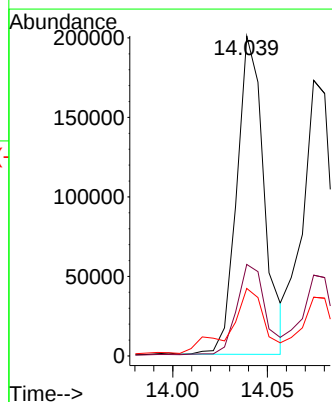
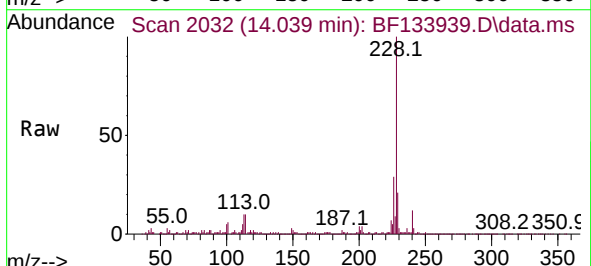
APPROVED

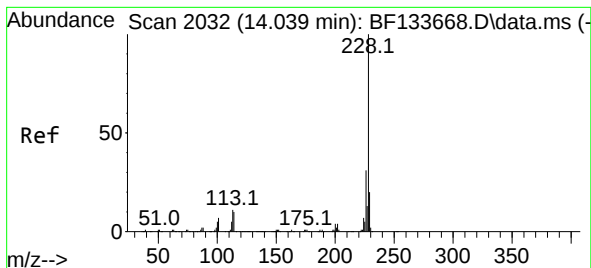
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#81
 Benzo(a)anthracene
 Concen: 13.661 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF133939.D
 Acq: 23 Jun 2023 13:03

Tgt Ion:228 Resp: 200643
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.7 32.5
 229 21.1 15.4 23.2





#83

Chrysene

Concen: 13.123 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB8

Tgt Ion:228 Resp: 182300

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

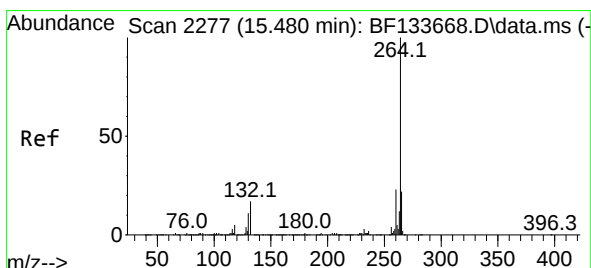
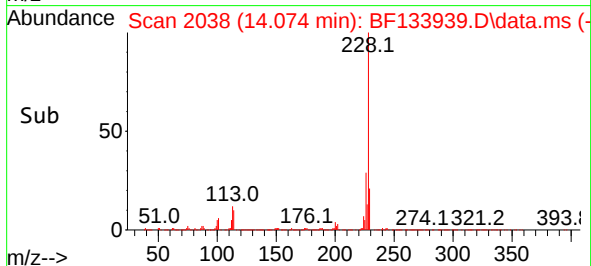
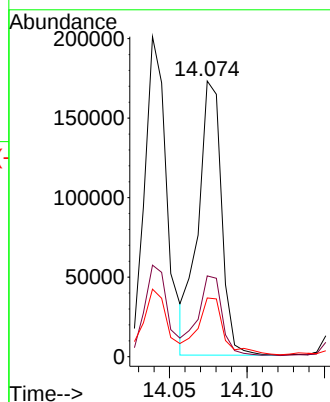
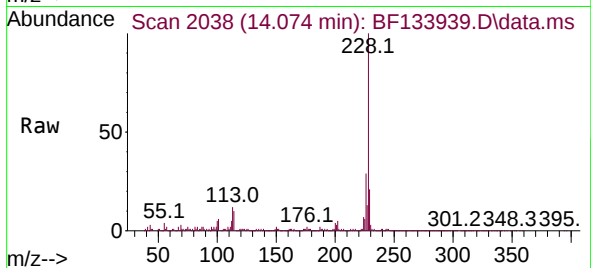
229 21.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2291

Delta R.T. 0.000 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

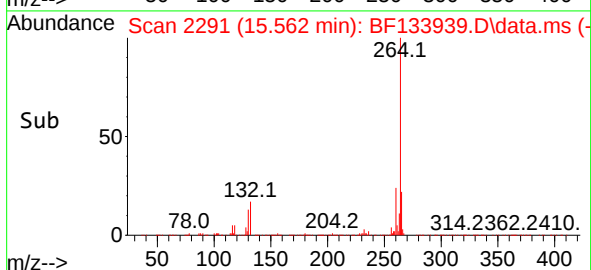
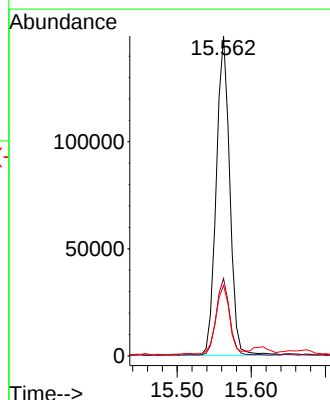
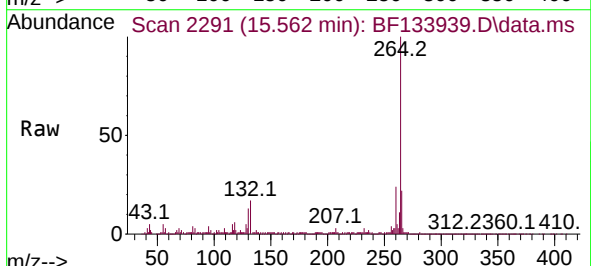
Tgt Ion:264 Resp: 188538

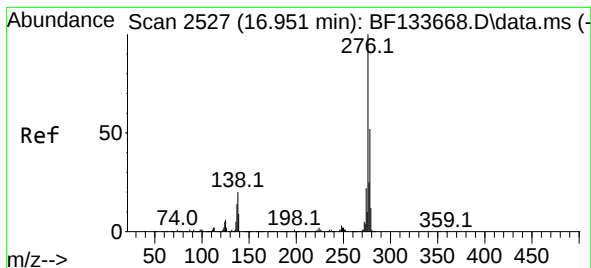
Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.2

265 22.1 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.836 ng

RT: 17.109 min Scan# 2115

Delta R.T. -0.012 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

Instrument :

BNA_F

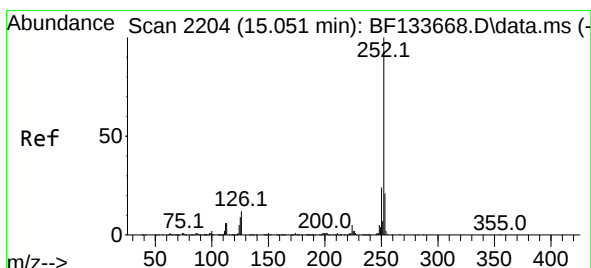
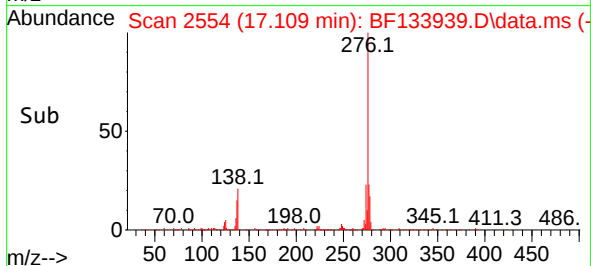
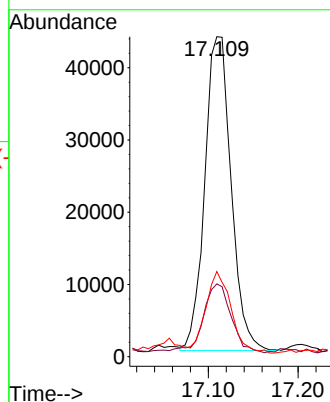
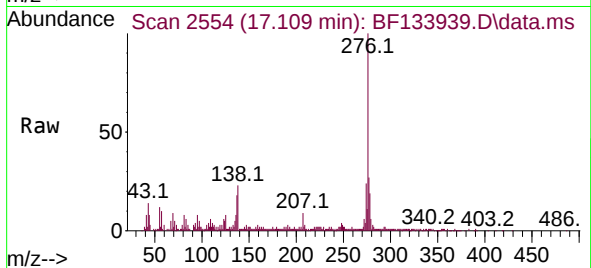
ClientSampleId :

COMPOSITE-SB8

Tgt Ion:276 Resp: 8866
 Ion Ratio Lower Upper
 276 100
 138 24.2 17.9 26.9
 277 25.2 20.3 30.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#88

Benzo(b)fluoranthene

Concen: 19.021 ng m

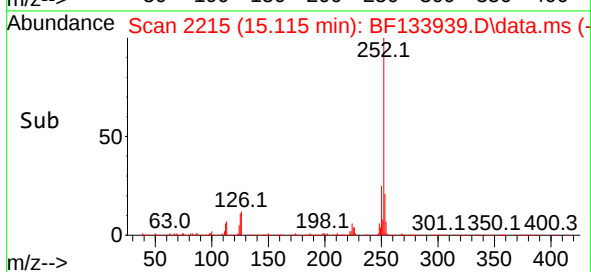
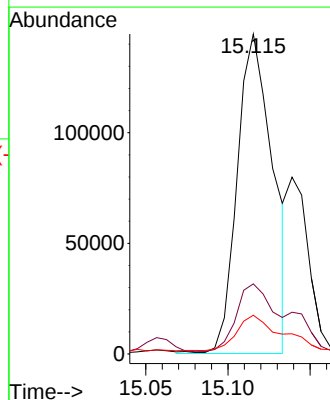
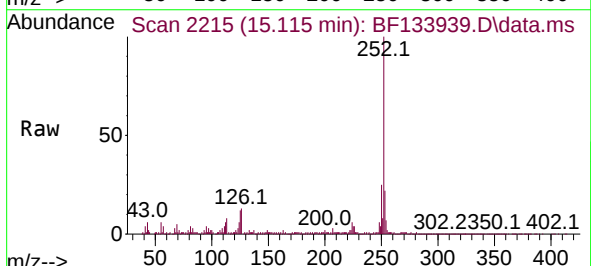
RT: 15.115 min Scan# 2215

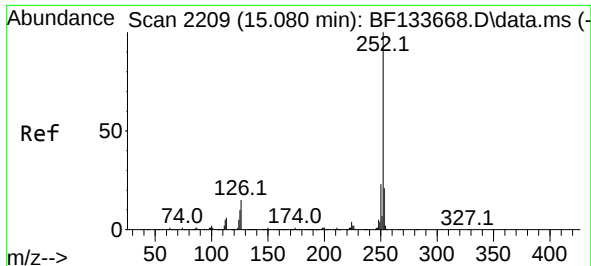
Delta R.T. 0.000 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

Tgt Ion:252 Resp: 217843
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.0 25.6
 125 12.1 7.3 10.9#





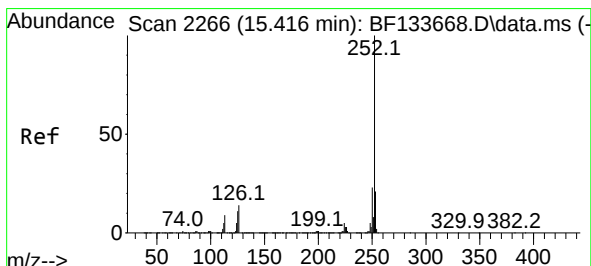
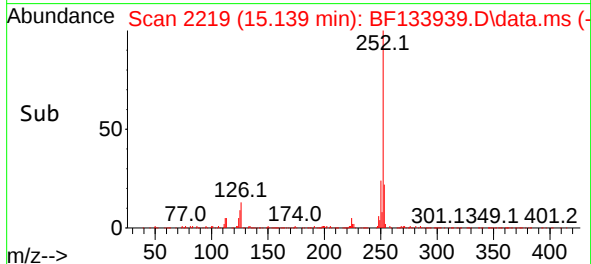
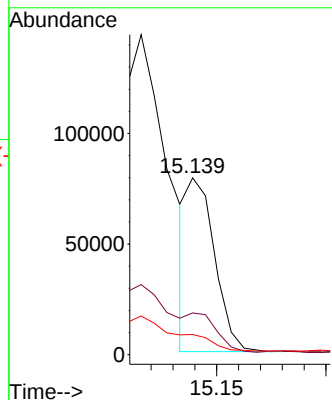
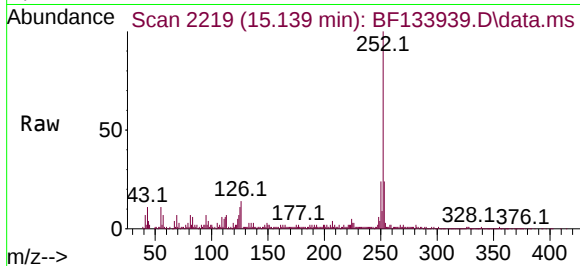
#89
Benzo(k)fluoranthene
Concen: 6.117 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB8

Tgt Ion:252 Resp: 68245
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 11.4 7.8 11.6

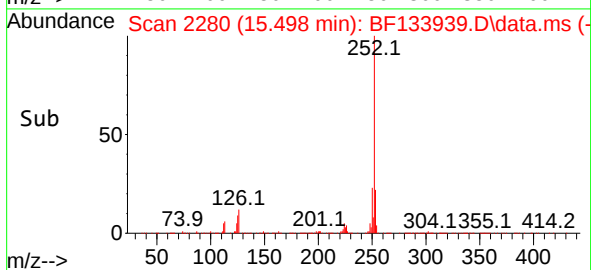
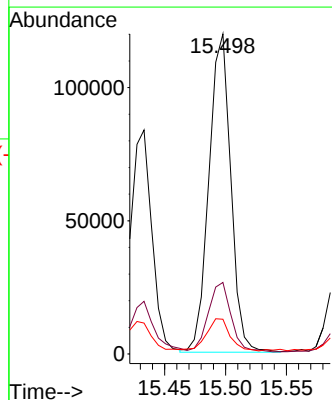
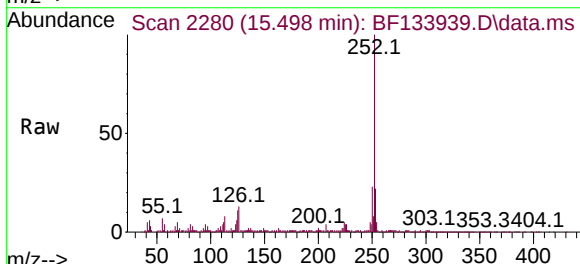
Manual Integrations
APPROVED

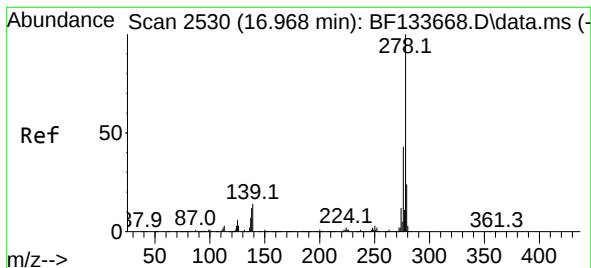
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#90
Benzo(a)pyrene
Concen: 14.014 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF133939.D
Acq: 23 Jun 2023 13:03

Tgt Ion:252 Resp: 148958
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 10.8 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 2.195 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB8

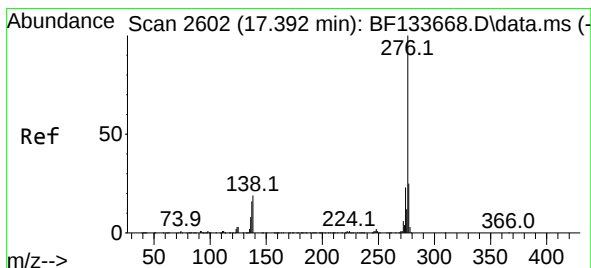
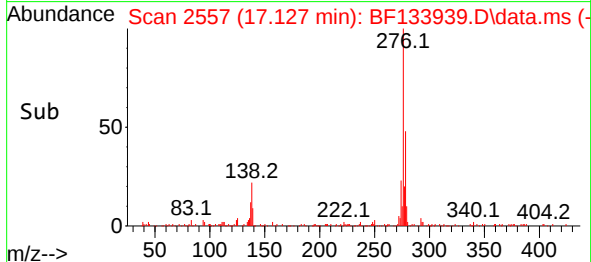
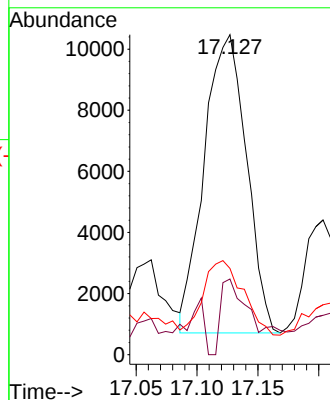
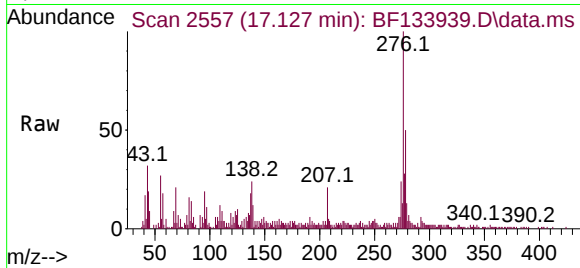
Tgt Ion:	278	Resp:	2356
Ion Ratio	Lower	Upper	
278	100		
139	23.7	11.4	17.2
279	26.9	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#92

Benzo(g,h,i)perylene

Concen: 8.095 ng

RT: 17.586 min Scan# 2635

Delta R.T. -0.006 min

Lab File: BF133939.D

Acq: 23 Jun 2023 13:03

Tgt Ion:	276	Resp:	86182
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.8	29.8
138	20.0	15.0	22.4

