

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
 Data File : BF133682.D
 Acq On : 09 Jun 2023 18:28
 Operator : CG\JU
 Sample : 03039-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB30A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 09 19:08:51 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 09 15:37:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	90741	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	320672	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	132190	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	216013	20.000	ng	0.00
76) Chrysene-d12	14.015	240	132106	20.000	ng	0.00
86) Perylene-d12	15.480	264	102566	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	339886	65.208	ng	0.00
7) Phenol-d6	6.463	99	414002	61.020	ng	0.00
23) Nitrobenzene-d5	7.398	82	290262	49.302	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	83974	50.185	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	441851	47.515	ng	0.00
79) Terphenyl-d14	12.957	244	330218	38.678	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	59108	5.393	ng	99
75) Fluoranthene	12.580	202	121116	10.407	ng	99
78) Pyrene	12.810	202	104496	8.491	ng	99
81) Benzo(a)anthracene	14.004	228	46909	5.133	ng	95
83) Chrysene	14.039	228	47041m	5.443	ng	
87) Indeno(1,2,3-cd)pyrene	16.939	276	17188	2.436	ng	99
88) Benzo(b)fluoranthene	15.051	252	43204m	6.934	ng	
89) Benzo(k)fluoranthene	15.080	252	15161m	2.498	ng	
90) Benzo(a)pyrene	15.415	252	29084	5.030	ng	# 93
92) Benzo(g,h,i)perylene	17.386	276	16623	2.870	ng	94

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

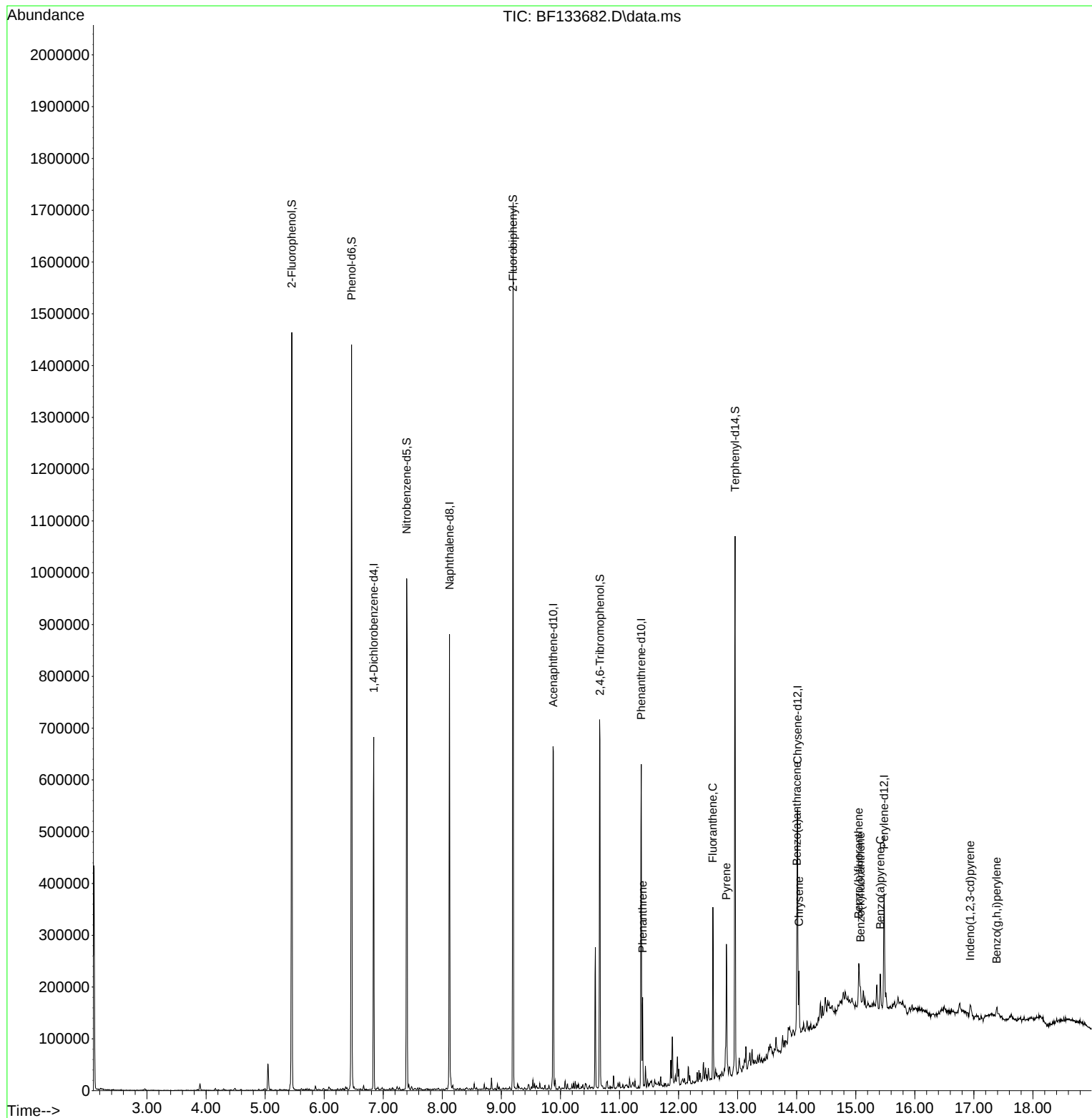
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
Data File : BF133682.D
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Operator : CG\JU
Sample : 03039-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

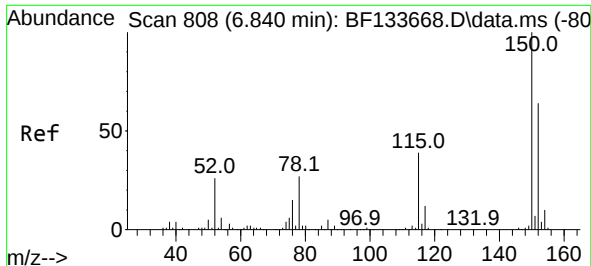
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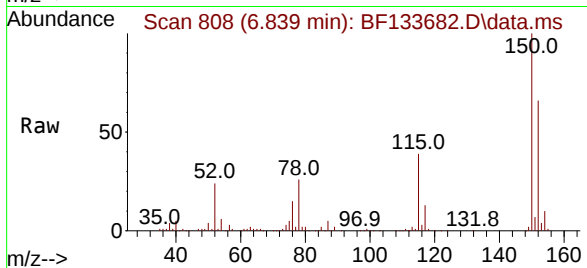
Quant Time: Jun 09 19:08:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 09 15:37:41 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

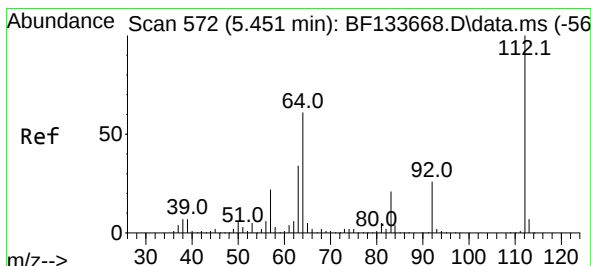
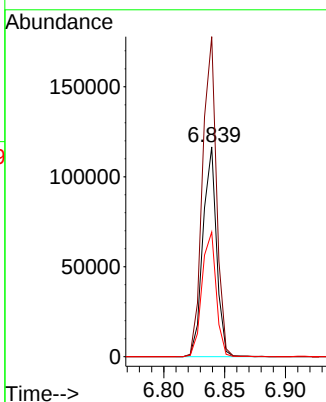
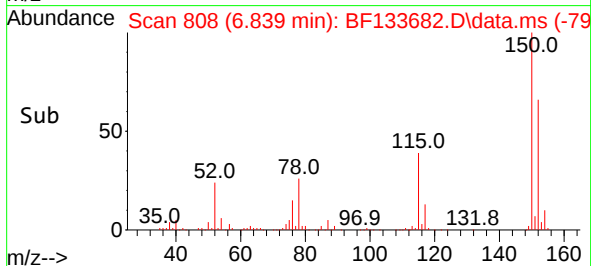
Instrument :
BNA_F
ClientSampleId :
SB30A



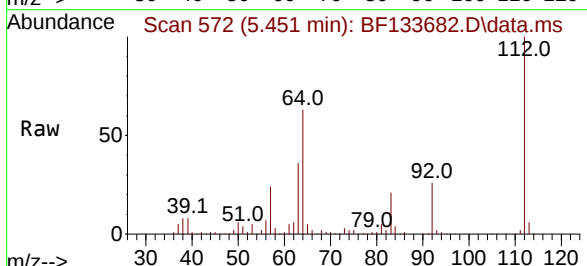
Tgt Ion:152 Resp: 9074
Ion Ratio Lower Upper
152 100
150 152.6 124.3 186.5
115 59.4 48.5 72.7

Manual Integrations
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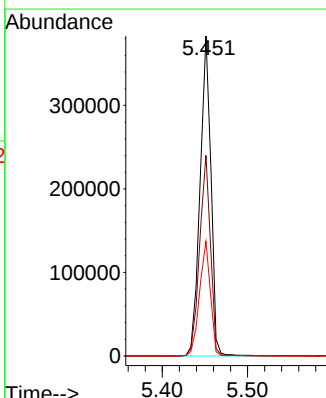
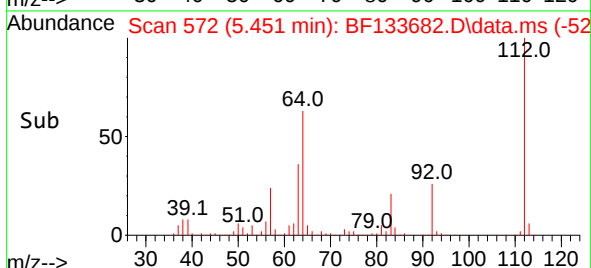
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

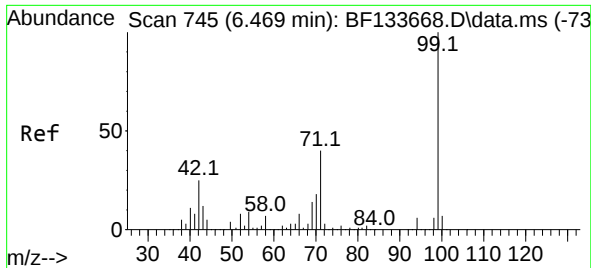


#5
2-Fluorophenol
Concen: 65.208 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28



Tgt Ion:112 Resp: 339886
Ion Ratio Lower Upper
112 100
64 62.7 49.0 73.4
63 35.8 26.8 40.2





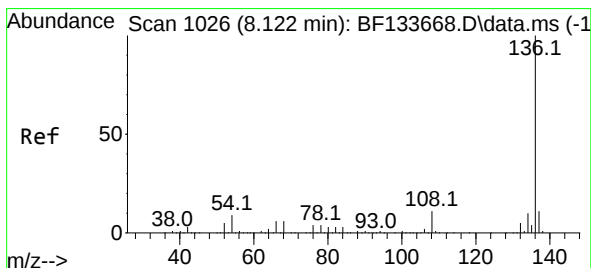
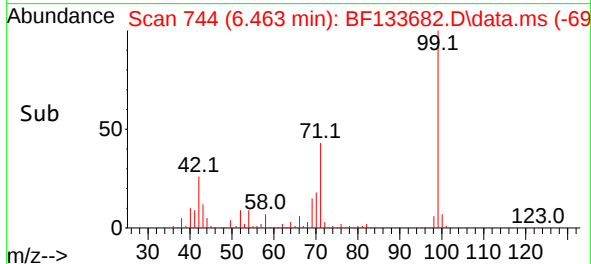
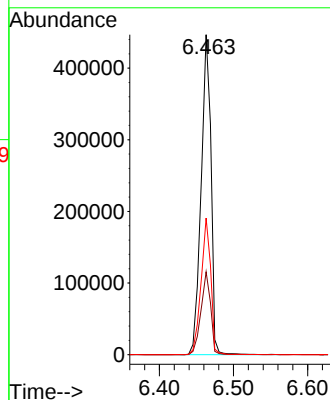
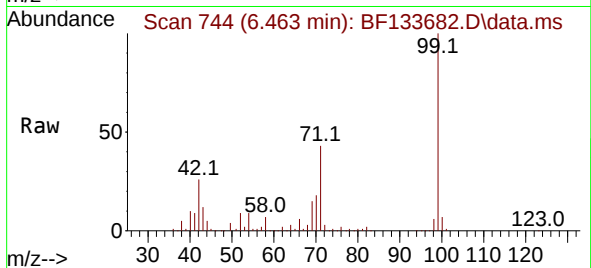
#7
Phenol-d6
Concen: 61.020 ng
RT: 6.463 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

Instrument :
BNA_F
ClientSampleId :
SB30A

Tgt Ion: 99 Resp: 414002
Ion Ratio Lower Upper
99 100
42 25.9 19.9 29.9
71 42.7 32.2 48.4

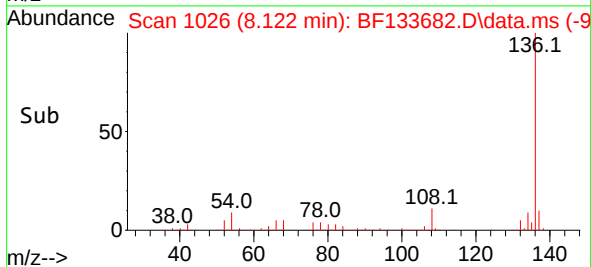
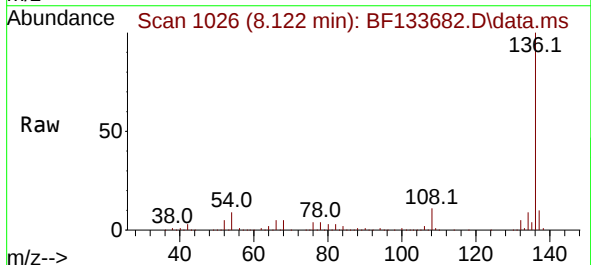
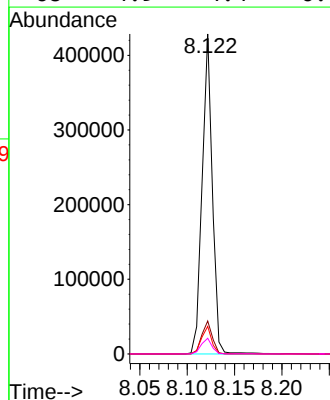
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

Tgt Ion:136 Resp: 320672
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 8.6 7.4 11.0
68 4.9 4.4 6.6





#23

Nitrobenzene-d5

Concen: 49.302 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133682.D

Acq: 09 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

SB30A

Tgt Ion: 82 Resp: 29026

Ion Ratio Lower Upper

82 100

128 40.2 34.2 51.2

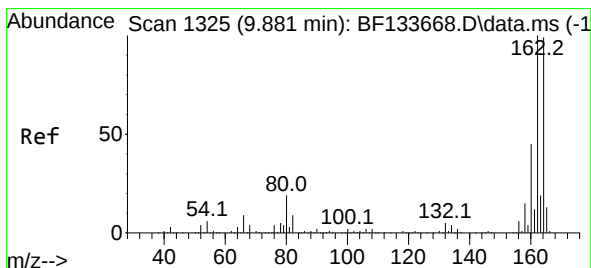
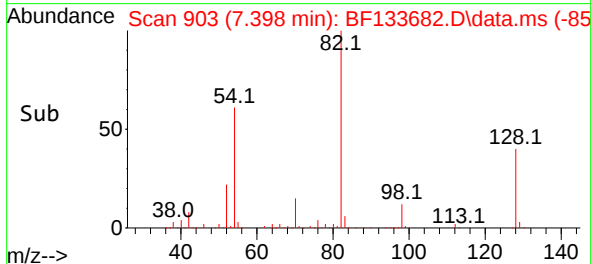
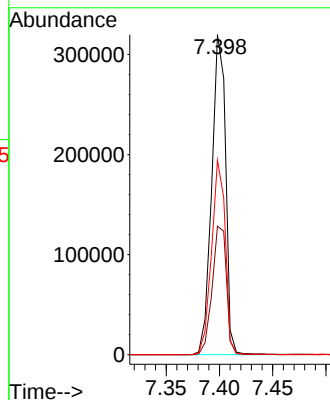
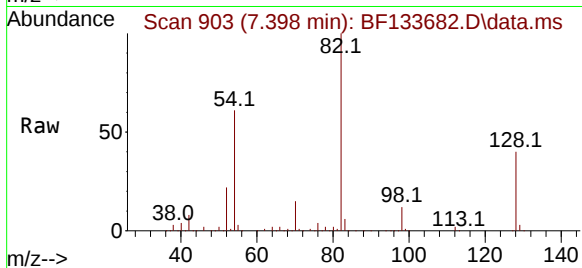
54 60.7 46.5 69.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.000 min

Lab File: BF133682.D

Acq: 09 Jun 2023 18:28

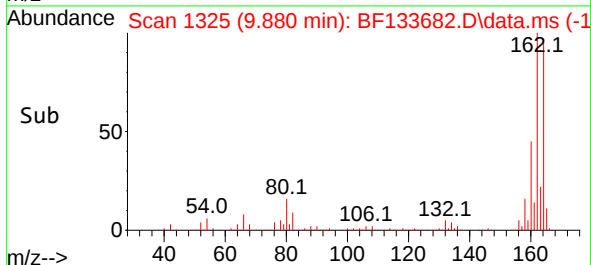
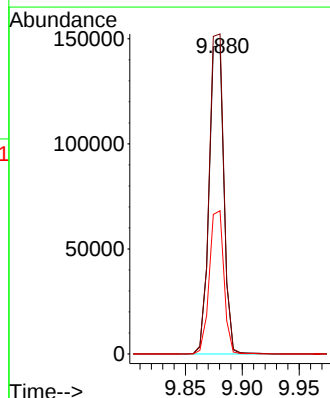
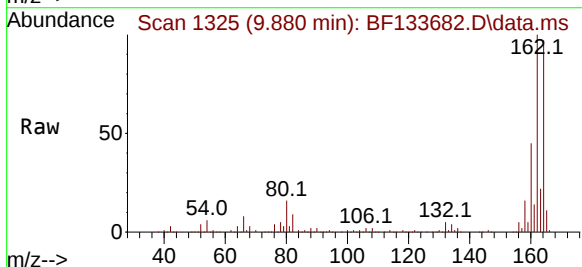
Tgt Ion:164 Resp: 132190

Ion Ratio Lower Upper

164 100

162 103.6 80.8 121.2

160 46.4 36.7 55.1





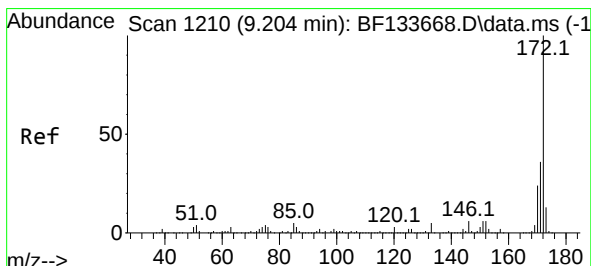
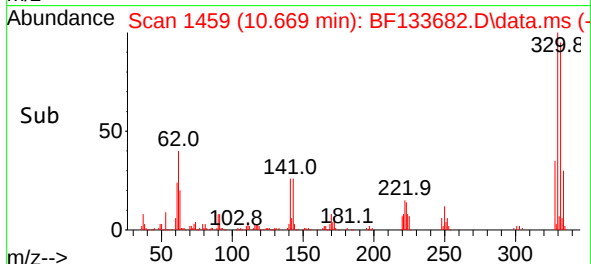
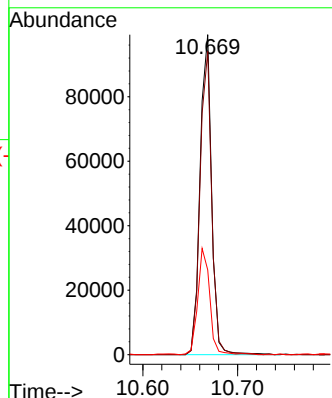
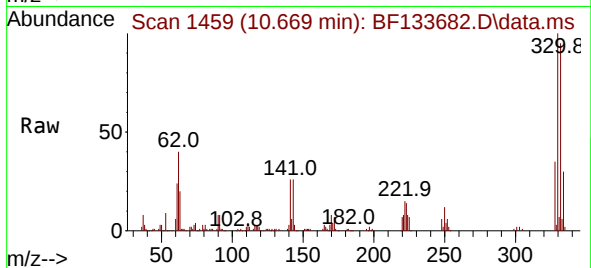
#42
2,4,6-Tribromophenol
Concen: 50.185 ng
RT: 10.669 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

Instrument :
BNA_F
ClientSampleId :
SB30A

Tgt Ion: 330 Resp: 83974
Ion Ratio Lower Upper
330 100
332 95.6 77.2 115.8
141 34.7 24.9 37.3

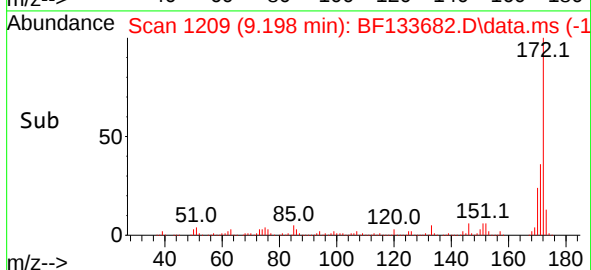
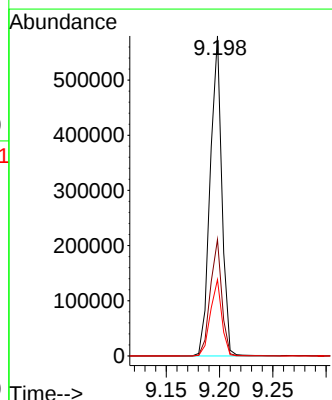
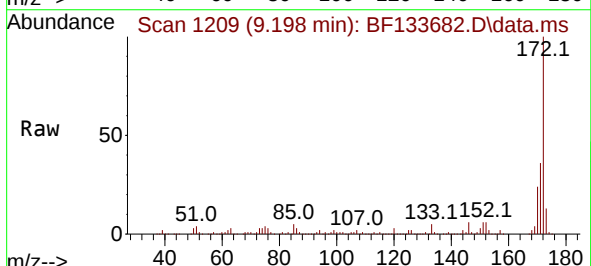
Manual Integrations
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#45
2-Fluorobiphenyl
Concen: 47.515 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

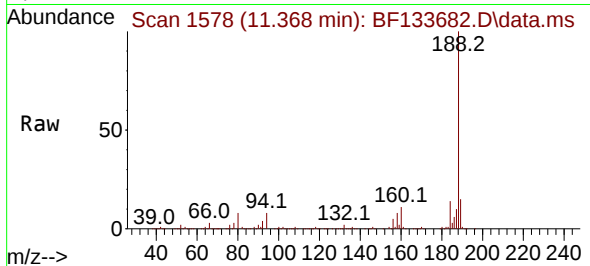
Tgt Ion: 172 Resp: 441851
Ion Ratio Lower Upper
172 100
171 36.4 28.6 43.0
170 23.8 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

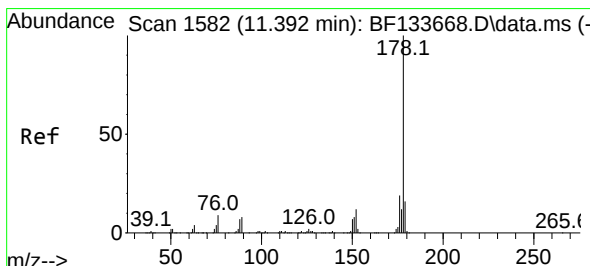
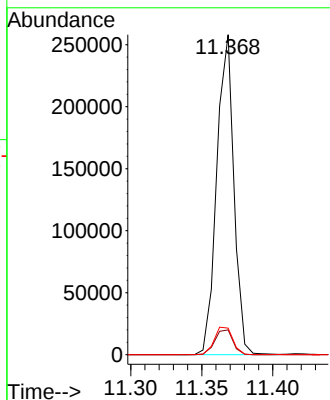
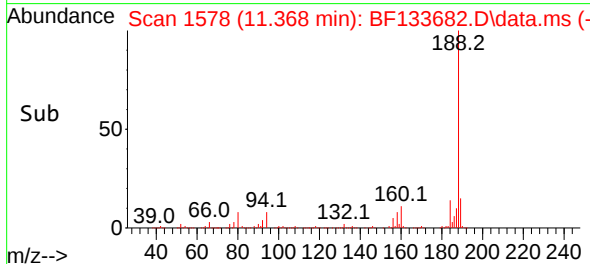
Instrument :
BNA_F
ClientSampleId :
SB30A



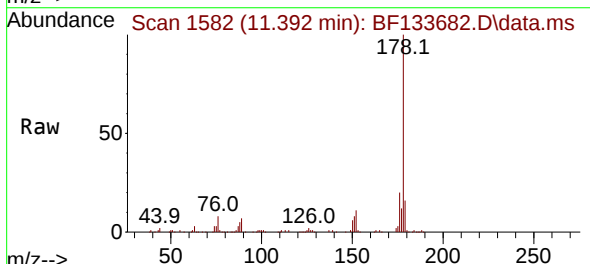
Tgt Ion:188 Resp: 21601
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.3 7.8 11.6

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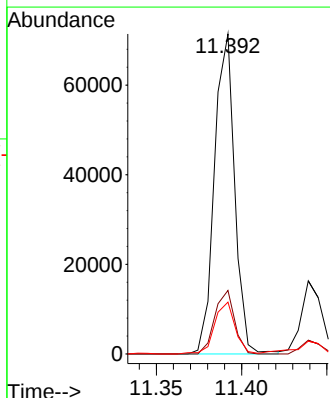
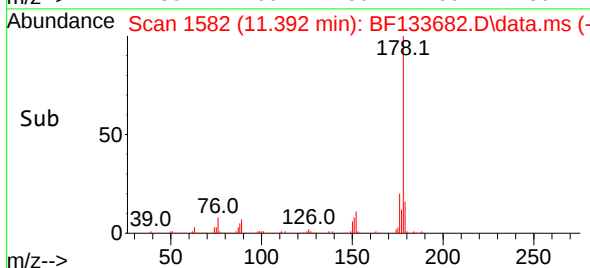
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

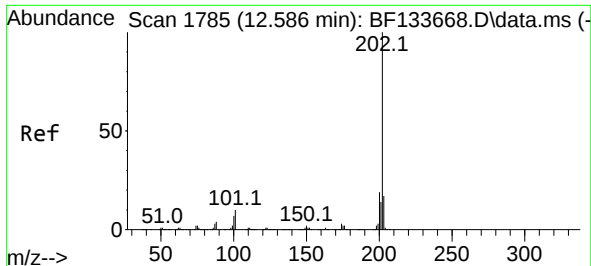


#71
Phenanthrene
Concen: 5.393 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28



Tgt Ion:178 Resp: 59108
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 16.2 12.4 18.6





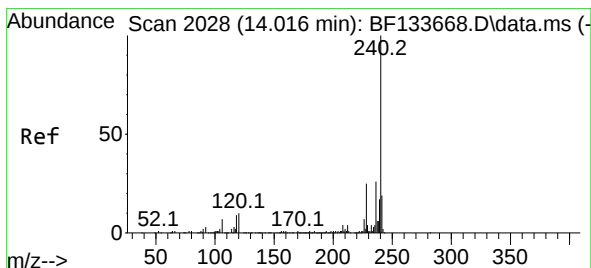
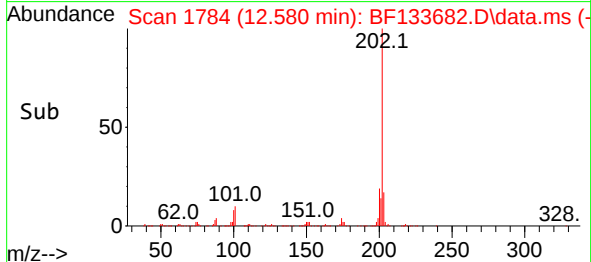
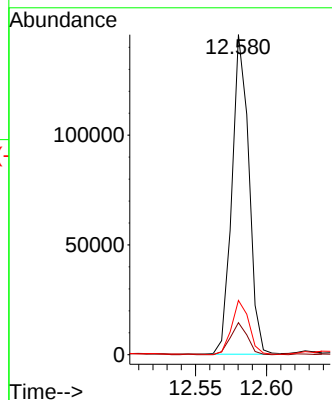
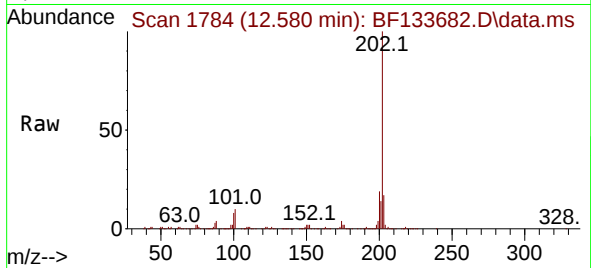
#75
Fluoranthene
Concen: 10.407 ng
RT: 12.580 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

Instrument :
BNA_F
ClientSampleId :
SB30A

Tgt Ion:202 Resp: 121110
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.6
203 17.0 0.0 37.4

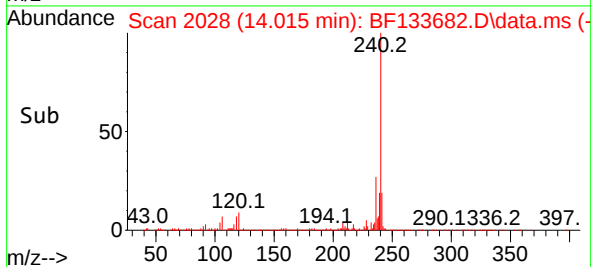
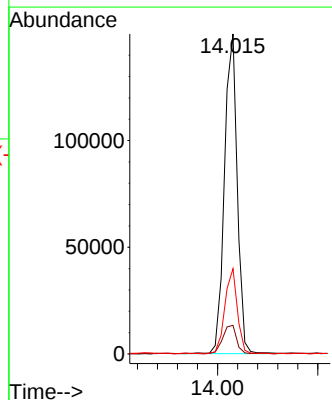
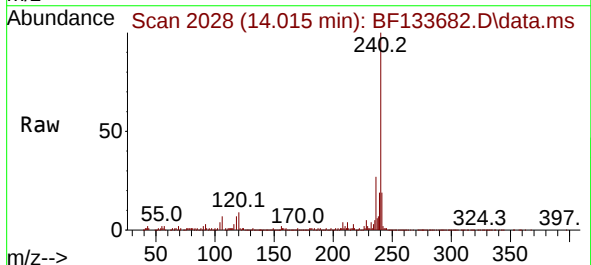
Manual Integrations
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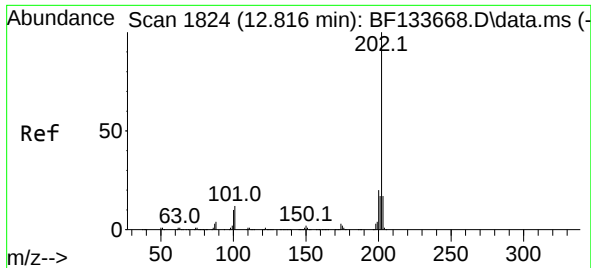
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

Tgt Ion:240 Resp: 132106
Ion Ratio Lower Upper
240 100
120 8.9 8.1 12.1
236 26.7 20.5 30.7





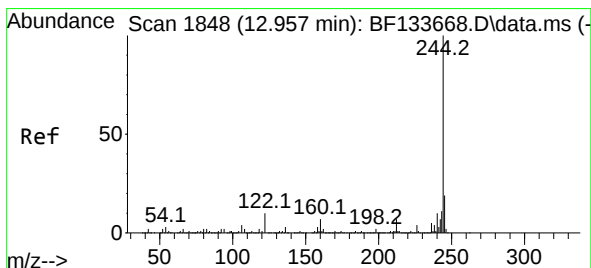
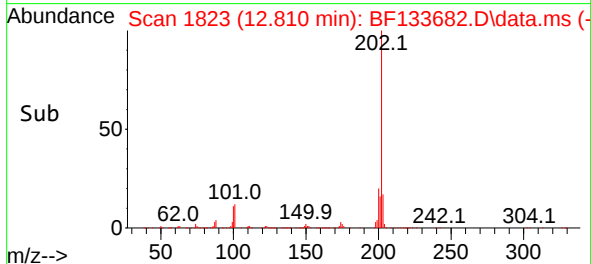
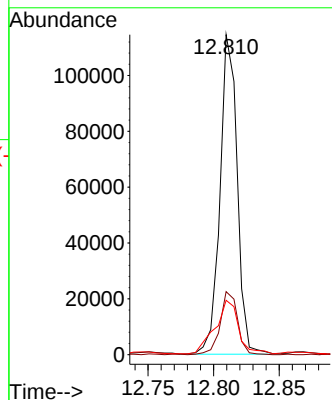
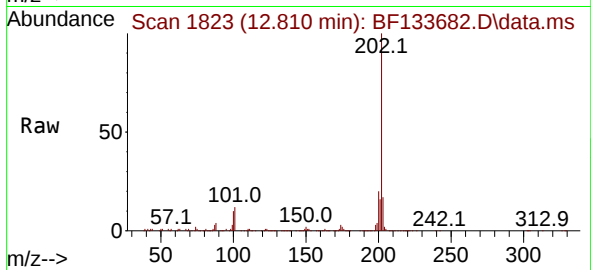
#78
Pyrene
Concen: 8.491 ng
RT: 12.810 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

Instrument :
BNA_F
ClientSampleId :
SB30A

Tgt Ion:202 Resp: 104490
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.2
203 17.0 13.9 20.9

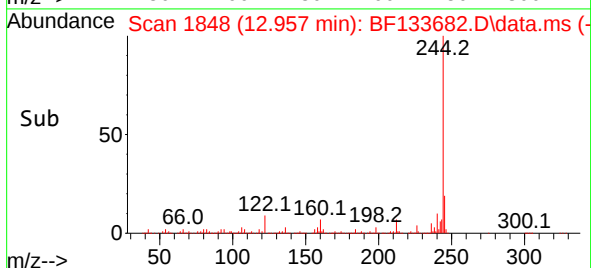
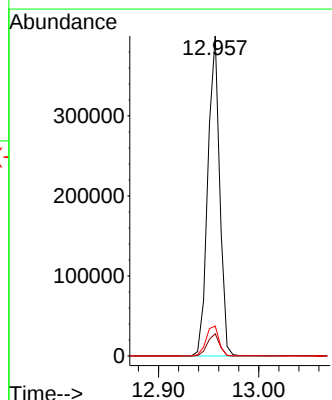
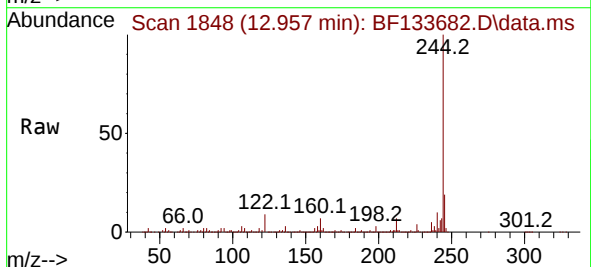
Manual Integrations
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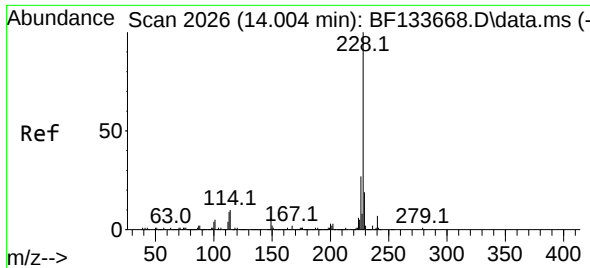
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#79
Terphenyl-d14
Concen: 38.678 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

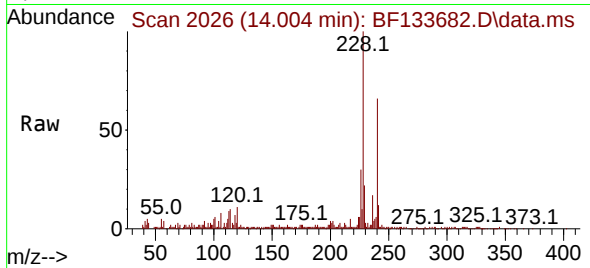
Tgt Ion:244 Resp: 330218
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 9.4 8.1 12.1





#81
Benzo(a)anthracene
Concen: 5.133 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

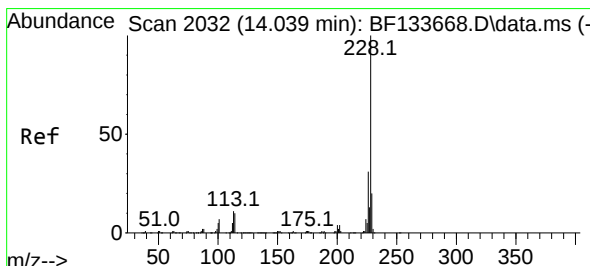
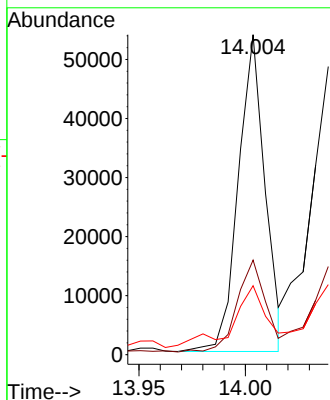
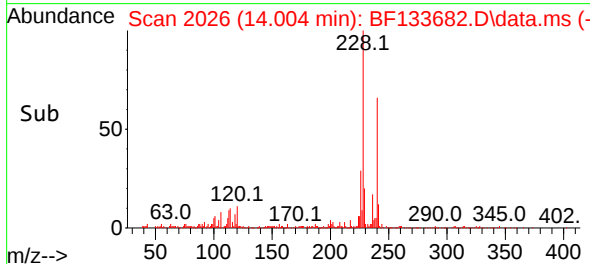
Instrument :
BNA_F
ClientSampleId :
SB30A



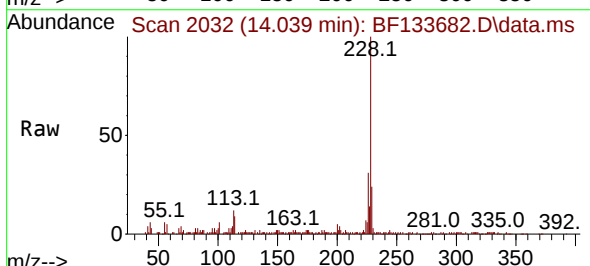
Tgt Ion:228 Resp: 46909
Ion Ratio Lower Upper
228 100
226 29.5 21.7 32.5
229 21.6 15.4 23.2

Manual Integrations
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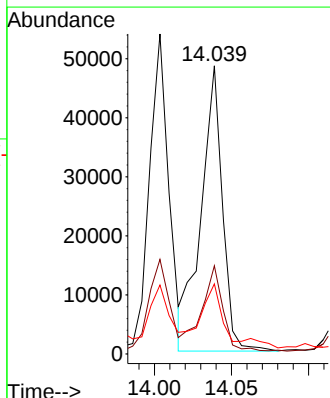
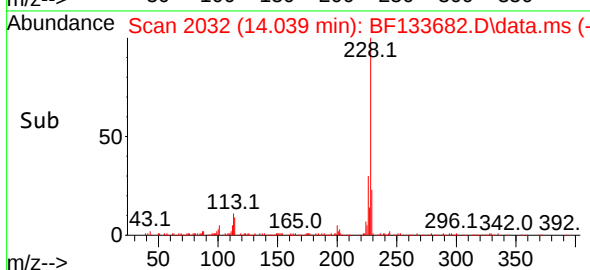
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

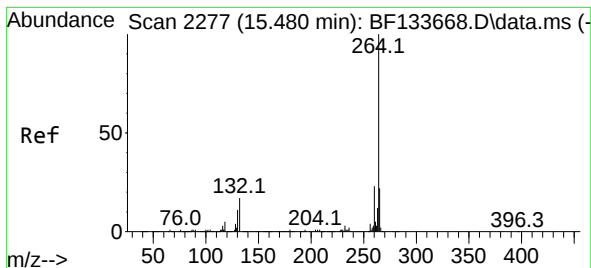


#83
Chrysene
Concen: 5.443 ng m
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28



Tgt Ion:228 Resp: 47041
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 24.3 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133682.D

Acq: 09 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

SB30A

Tgt Ion:264 Resp: 102560

Ion Ratio Lower Upper

264 100

260 25.5 18.2 27.2

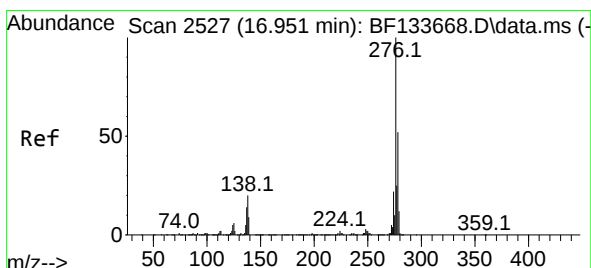
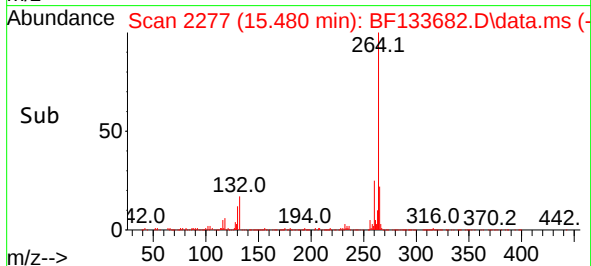
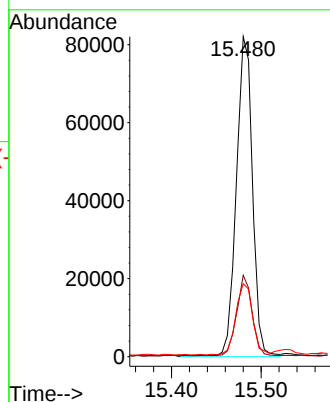
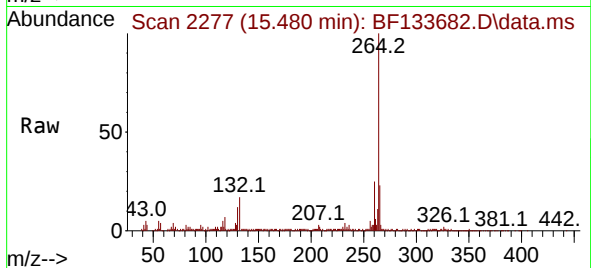
265 22.8 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.436 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.012 min

Lab File: BF133682.D

Acq: 09 Jun 2023 18:28

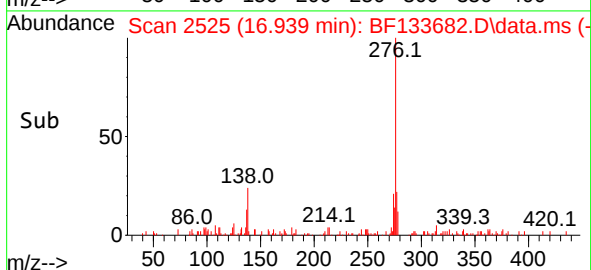
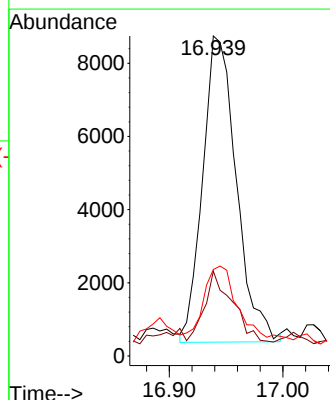
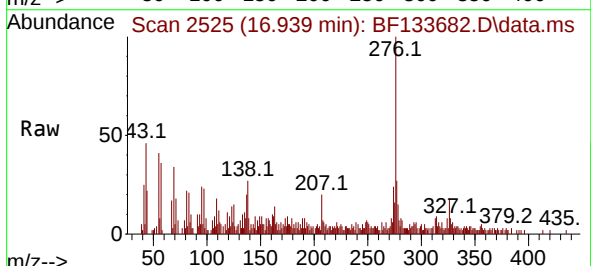
Tgt Ion:276 Resp: 17188

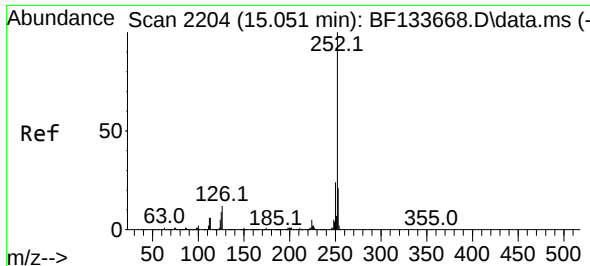
Ion Ratio Lower Upper

276 100

138 21.6 17.9 26.9

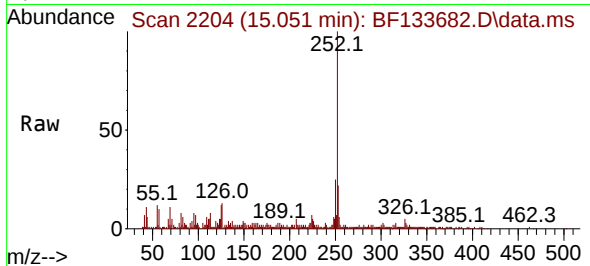
277 25.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 6.934 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

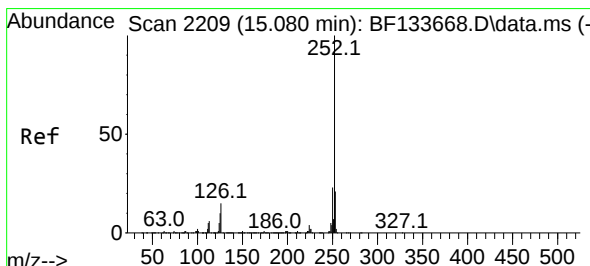
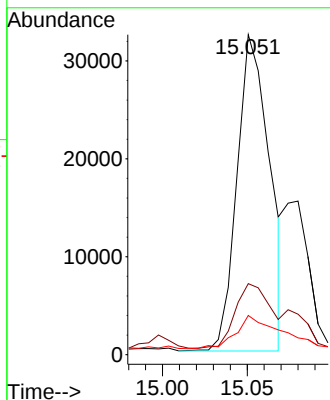
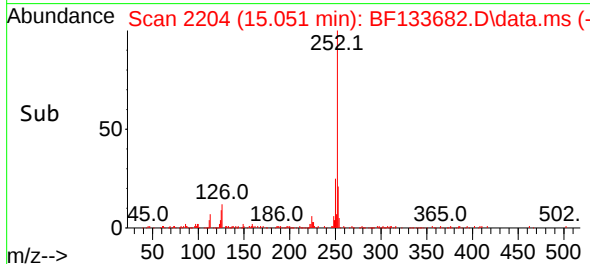
Instrument :
BNA_F
ClientSampleId :
SB30A



Tgt Ion:252 Resp: 43204
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 12.2 7.3 10.9

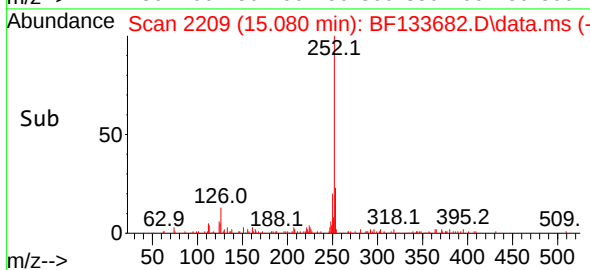
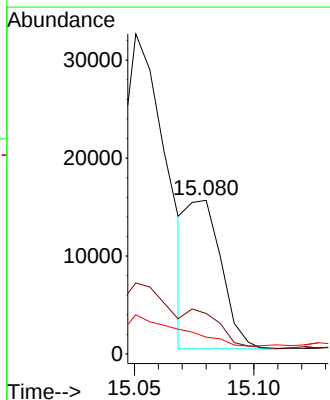
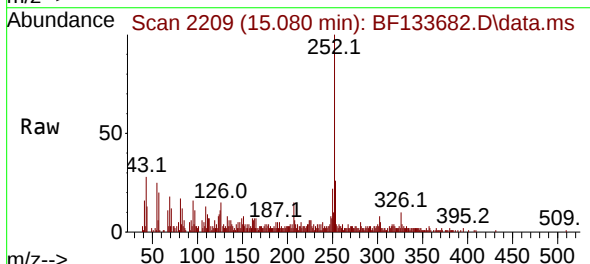
Manual Integrations
APPROVED

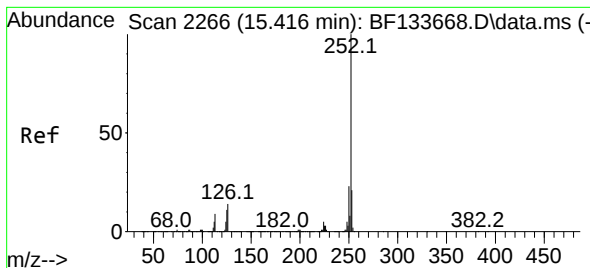
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#89
Benzo(k)fluoranthene
Concen: 2.498 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF133682.D
Acq: 09 Jun 2023 18:28

Tgt Ion:252 Resp: 15161
Ion Ratio Lower Upper
252 100
253 26.3 17.0 25.4#
125 11.0 7.8 11.6





#90

Benzo(a)pyrene

Concen: 5.030 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133682.D

Acq: 09 Jun 2023 18:28

Instrument :

BNF

ClientSampleId :

SB30A

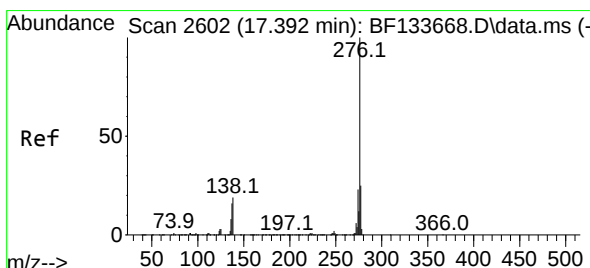
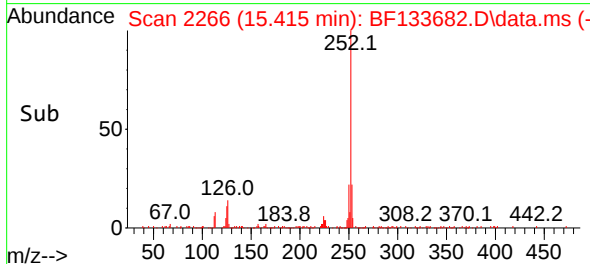
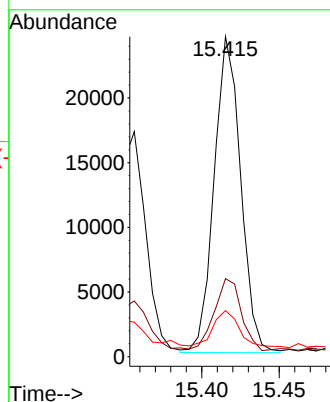
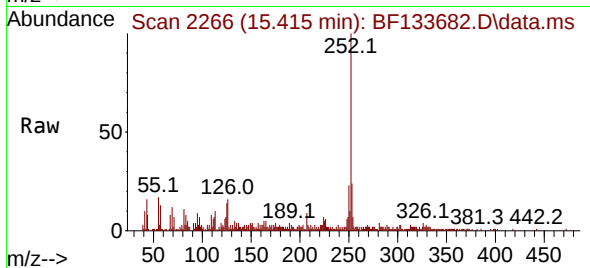
Tgt Ion:	252	Resp:	2908
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.1	25.7
125	14.4	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#92

Benzo(g,h,i)perylene

Concen: 2.870 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.006 min

Lab File: BF133682.D

Acq: 09 Jun 2023 18:28

Tgt Ion:	276	Resp:	16623
Ion Ratio	Lower	Upper	
276	100		
277	28.5	19.8	29.8
138	20.8	15.0	22.4

