

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136049.D
 Acq On : 31 Oct 2023 14:02
 Operator : CG\JU
 Sample : 04704-05DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-104-1(5-10)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

Quant Time: Oct 31 14:47:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	156591	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	606528	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	297153	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	473671	20.000	ng	0.00
76) Chrysene-d12	14.010	240	284619	20.000	ng	0.00
86) Perylene-d12	15.504	264	363311	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	207978	20.871	ng	-0.01
7) Phenol-d6	6.445	99	258673	20.834	ng	-0.01
23) Nitrobenzene-d5	7.375	82	145126	14.424	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	54678	17.239	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	297088	15.938	ng	0.00
79) Terphenyl-d14	12.951	244	225857	12.332	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	301131	10.296	ng	99
37) 2-Methylnaphthalene	8.816	142	78769	4.017	ng	98
38) 1-Methylnaphthalene	8.916	142	149865	8.212	ng	100
49) Acenaphthylene	9.722	152	122964	4.720	ng	99
58) Fluorene	10.410	166	125215	6.925	ng	100
71) Phenanthrene	11.380	178	691443	28.992	ng	98
72) Anthracene	11.427	178	164925	6.749	ng	99
75) Fluoranthene	12.574	202	430865	17.586	ng	98
78) Pyrene	12.804	202	552804	22.030	ng	100
81) Benzo(a)anthracene	13.998	228	223601m	11.867	ng	
83) Chrysene	14.033	228	232623m	12.536	ng	
87) Indeno(1,2,3-cd)pyrene	17.004	276	122347	5.153	ng	97
88) Benzo(b)fluoranthene	15.063	252	252727m	11.756	ng	
89) Benzo(k)fluoranthene	15.086	252	76472m	3.595	ng	
90) Benzo(a)pyrene	15.433	252	236561	11.843	ng	97
91) Dibenzo(a,h)anthracene	17.021	278	39677m	2.040	ng	
92) Benzo(g,h,i)perylene	17.462	276	123906	8.153	ng	100

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

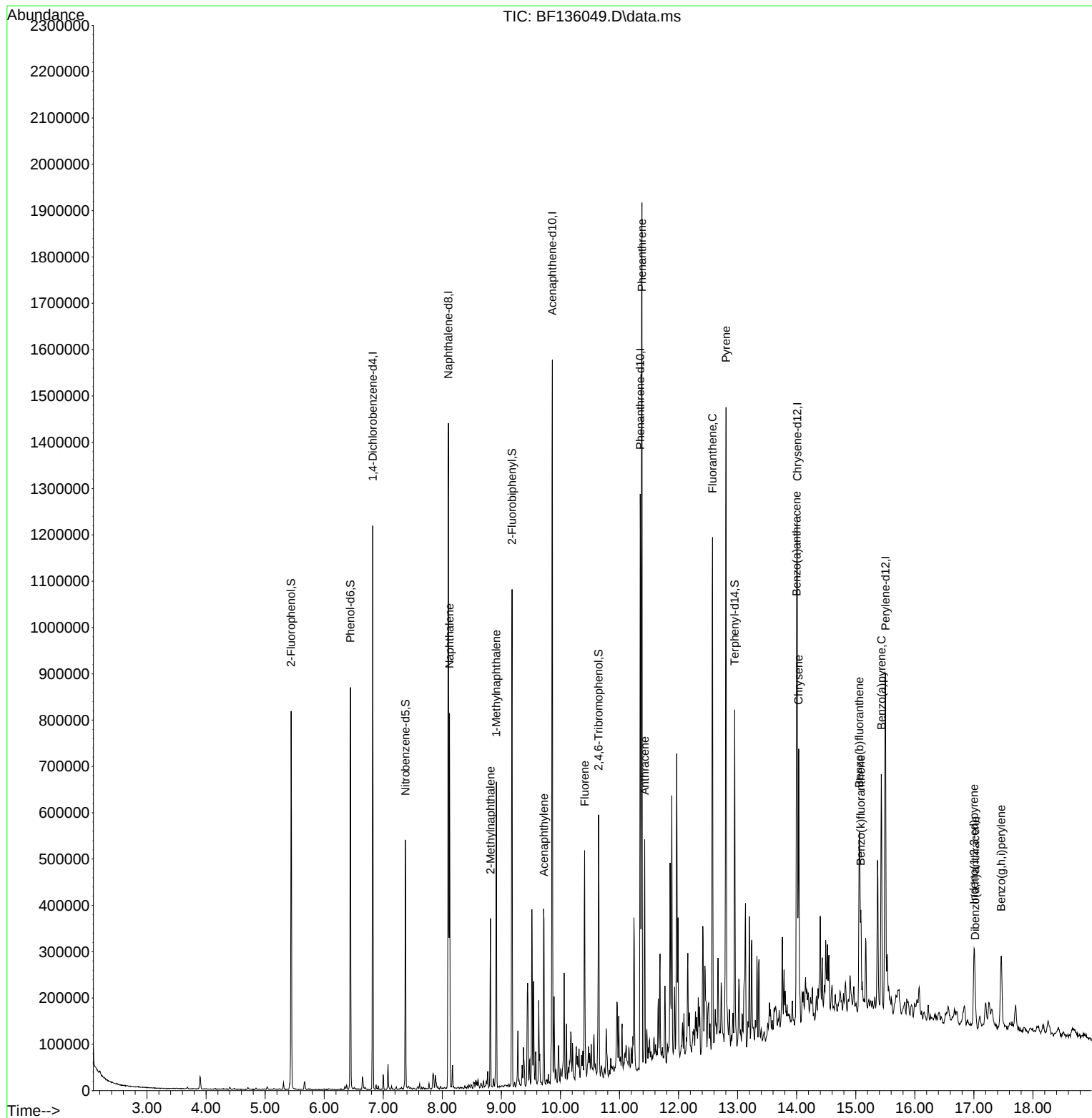
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136049.D
Acq On : 31 Oct 2023 14:02
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Sample : 04704-05DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

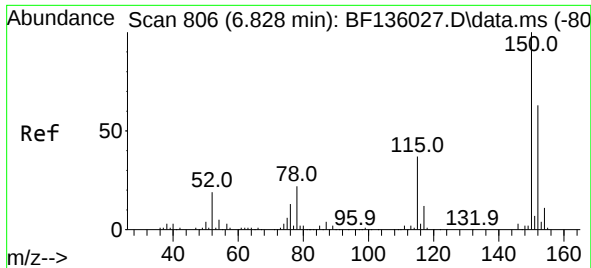
Instrument :
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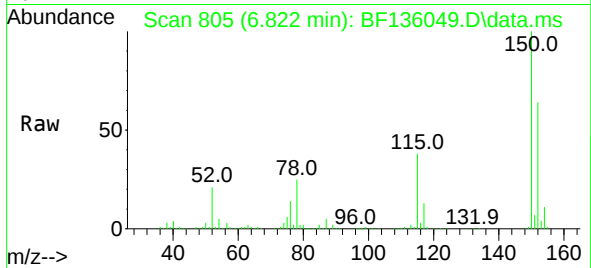
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

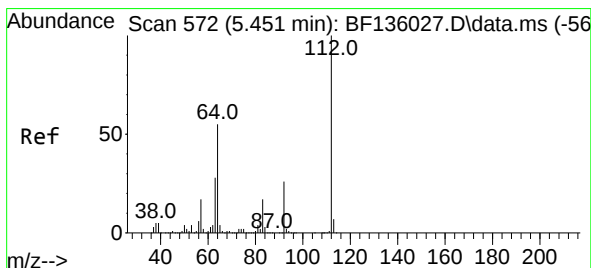
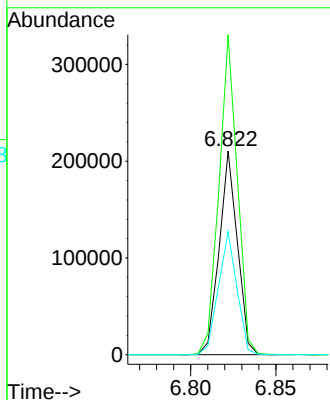
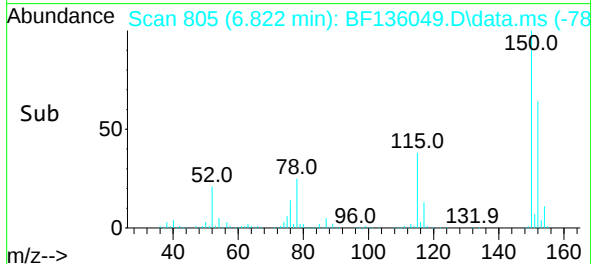
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL



Tgt Ion:152 Resp: 15659
Ion Ratio Lower Upper
152 100
150 157.1 126.4 189.6
115 60.4 47.0 70.4

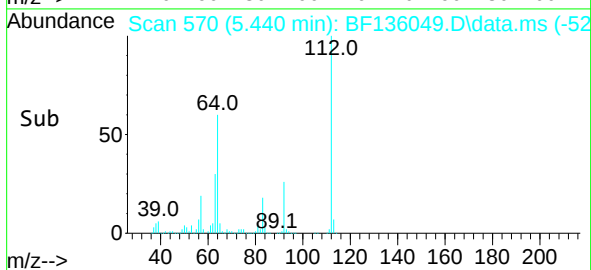
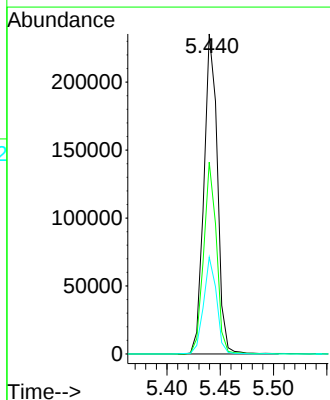
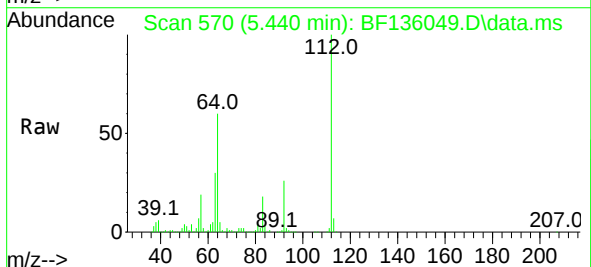
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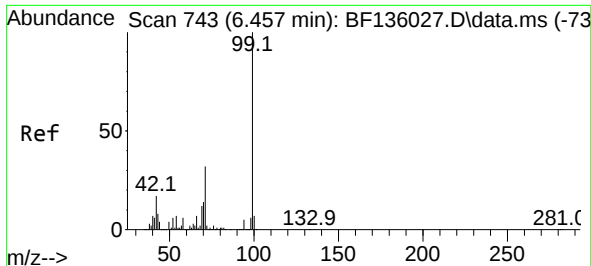
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#5
2-Fluorophenol
Concen: 20.871 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.012 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

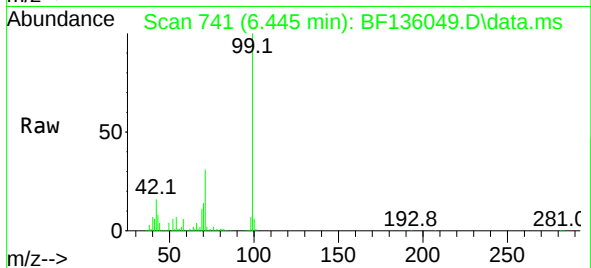
Tgt Ion:112 Resp: 207978
Ion Ratio Lower Upper
112 100
64 60.0 43.9 65.9
63 30.3 22.4 33.6





#7
Phenol-d6
Concen: 20.834 ng
RT: 6.445 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

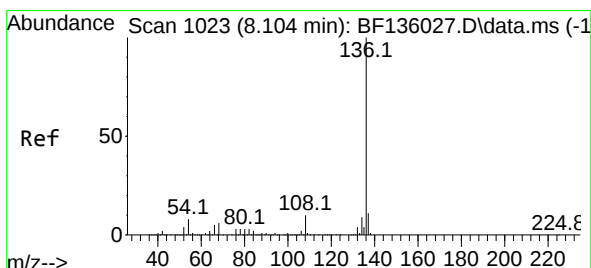
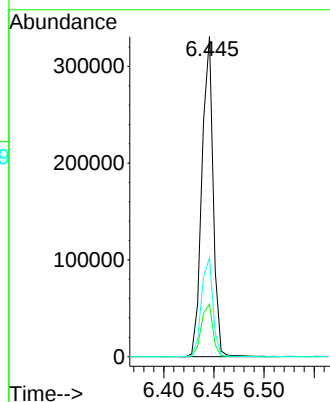
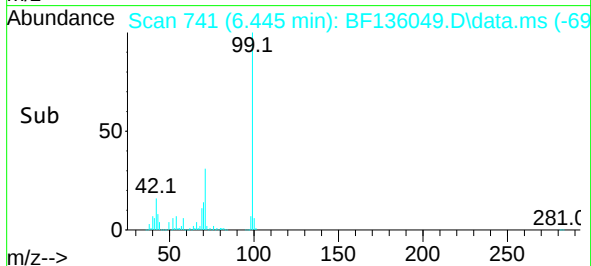
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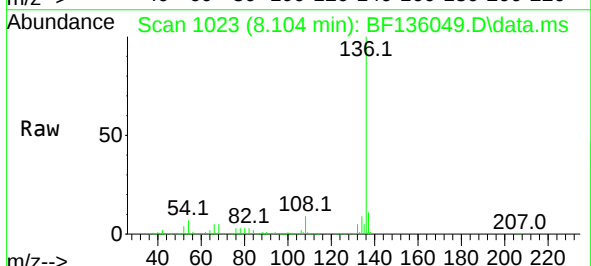
Tgt Ion: 99 Resp: 25867
Ion Ratio Lower Upper
99 100
42 16.4 13.7 20.5
71 30.8 25.9 38.9

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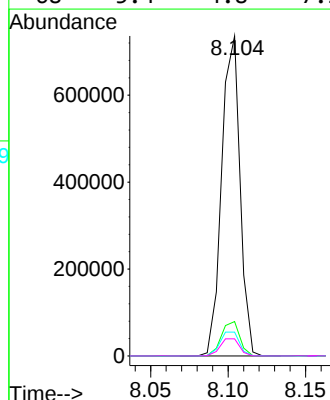
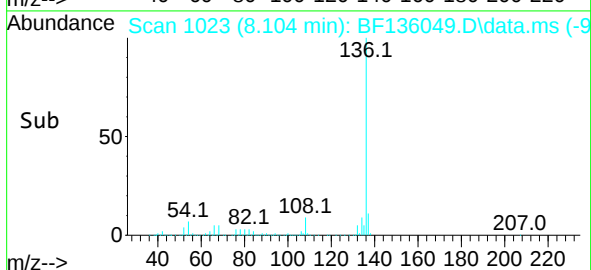
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

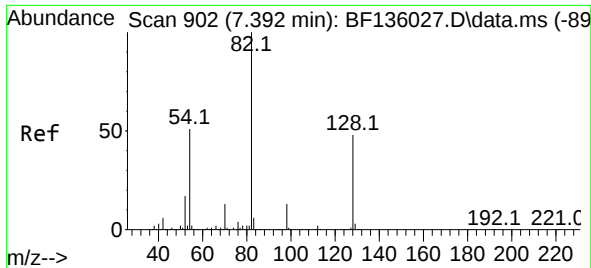


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02



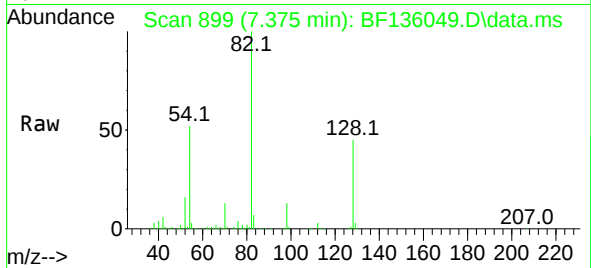
Tgt Ion:136 Resp: 606528
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.4 6.6 9.8
68 5.4 4.8 7.2





#23
Nitrobenzene-d5
Concen: 14.424 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.017 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

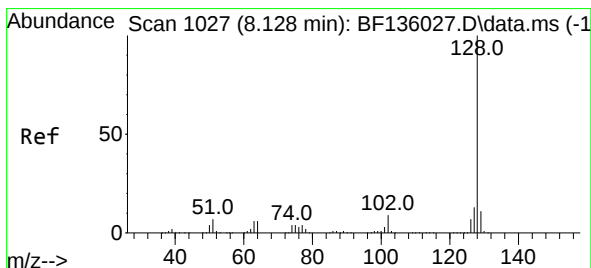
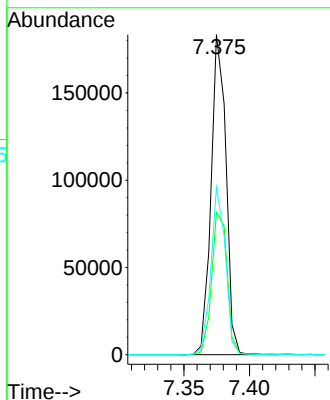
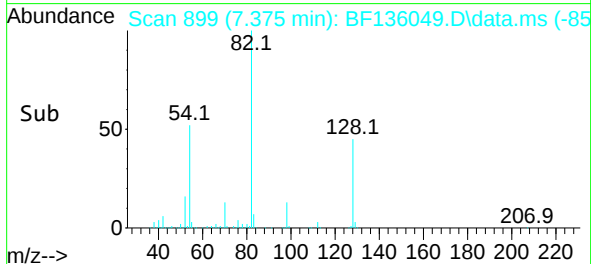
Instrument :
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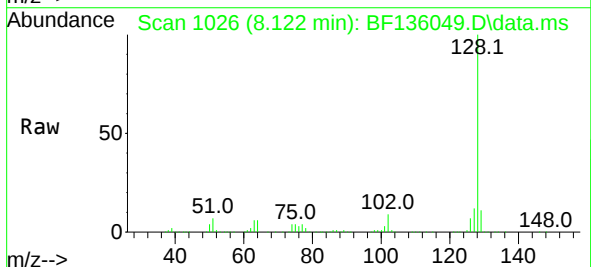
Tgt Ion: 82 Resp: 145120
Ion Ratio Lower Upper
82 100
128 44.5 38.6 57.8
54 52.4 40.8 61.2

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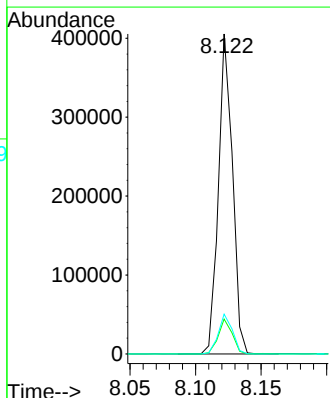
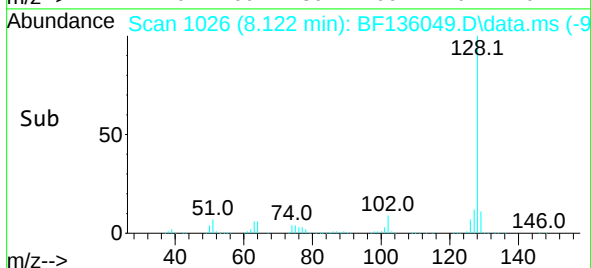
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

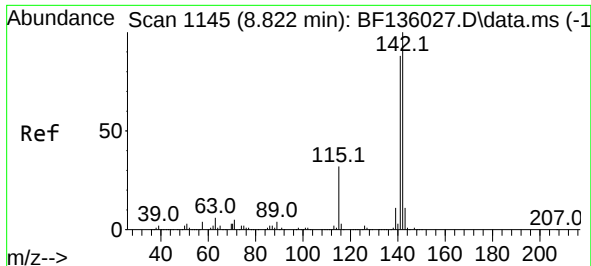


#31
Naphthalene
Concen: 10.296 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02



Tgt Ion:128 Resp: 301131
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 12.5 10.5 15.7





#37

2-Methylnaphthalene

Concen: 4.017 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF136049.D

Acq: 31 Oct 2023 14:02

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL

Tgt Ion:142 Resp: 78769

Ion Ratio Lower Upper

142 100

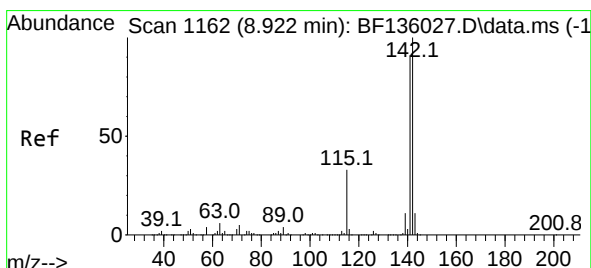
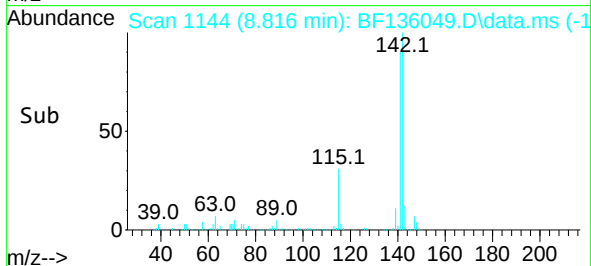
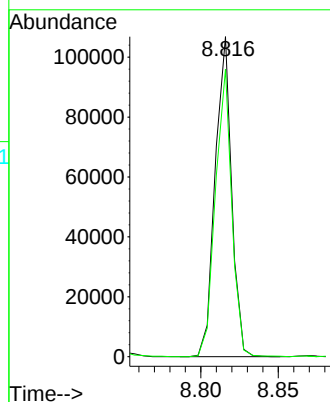
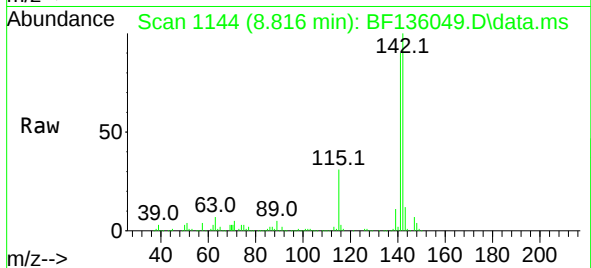
141 89.9 70.4 105.6

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#38

1-Methylnaphthalene

Concen: 8.212 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136049.D

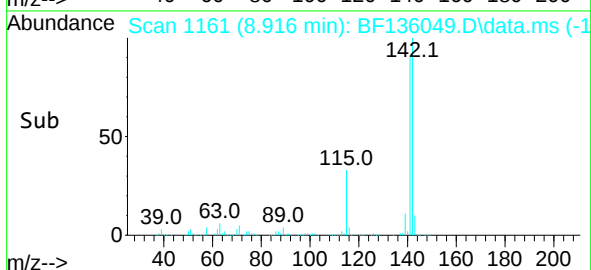
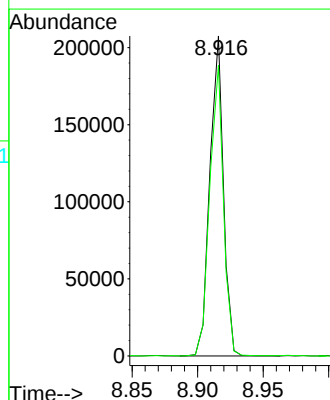
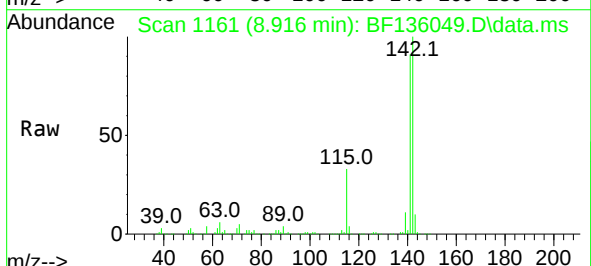
Acq: 31 Oct 2023 14:02

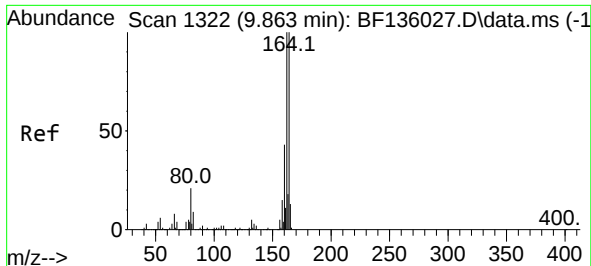
Tgt Ion:142 Resp: 149865

Ion Ratio Lower Upper

142 100

141 90.8 72.6 109.0





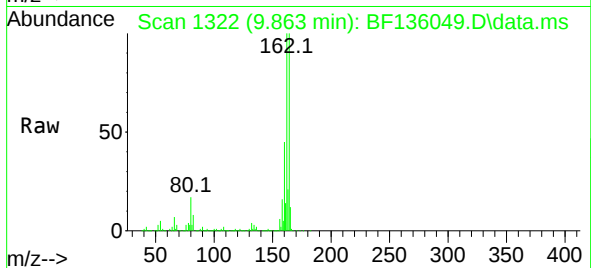
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL



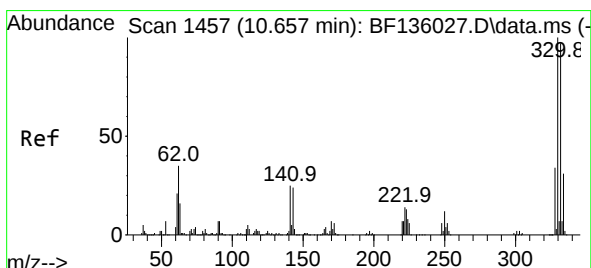
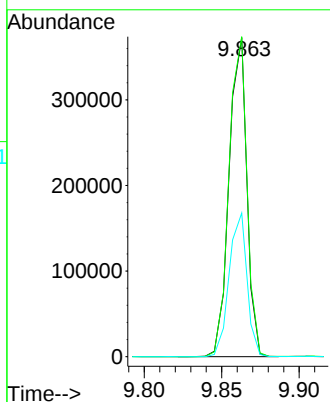
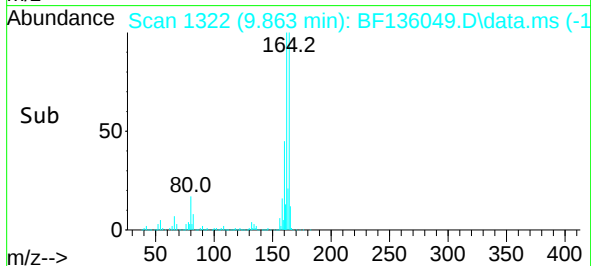
Tgt Ion:164 Resp: 29715
Ion Ratio Lower Upper
164 100
162 100.3 80.1 120.1
160 45.0 34.8 52.2

Manual Integrations

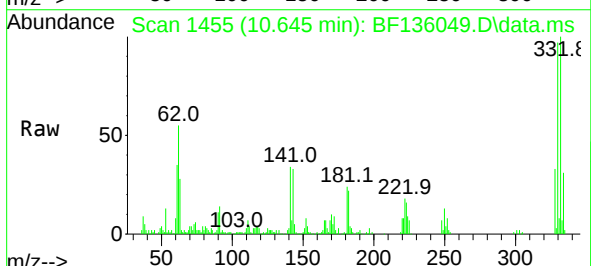
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Reviewed By :Yogesh Patel 11/01/2023

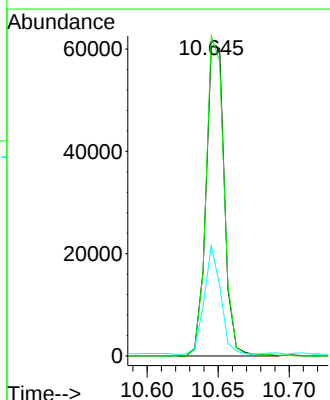
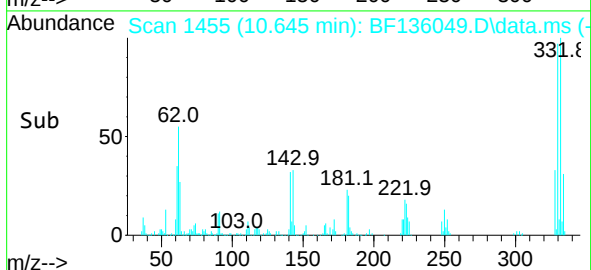
Supervised By :mohammad ahmed 11/01/2023

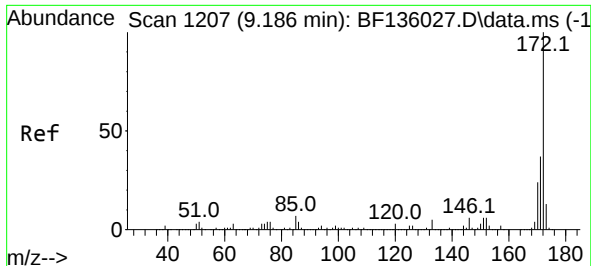


#42
2,4,6-Tribromophenol
Concen: 17.239 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02



Tgt Ion:330 Resp: 54678
Ion Ratio Lower Upper
330 100
332 99.9 76.9 115.3
141 31.4 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 15.938 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136049.D

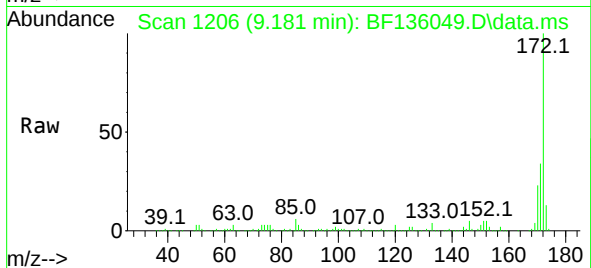
Acq: 31 Oct 2023 14:02

Instrument :

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Tgt Ion:172 Resp: 297088

Ion Ratio Lower Upper

172 100

171 34.5 29.4 44.0

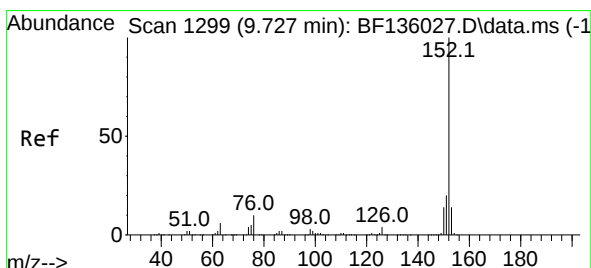
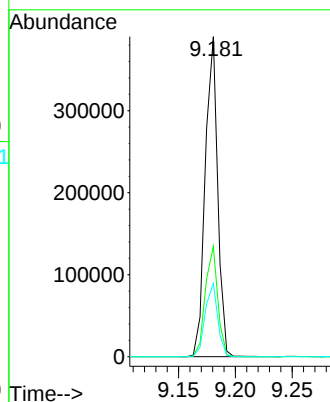
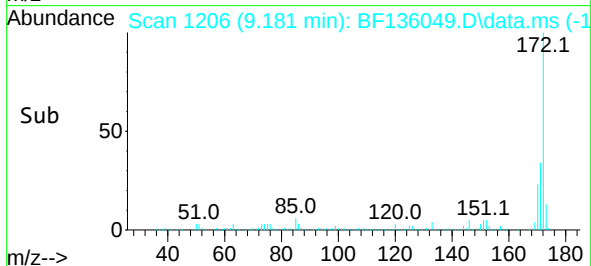
170 22.9 19.3 28.9

Manual Integrations

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Supervised By :mohammad ahmed 11/01/2023



#49

Acenaphthylene

Concen: 4.720 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.006 min

Lab File: BF136049.D

Acq: 31 Oct 2023 14:02

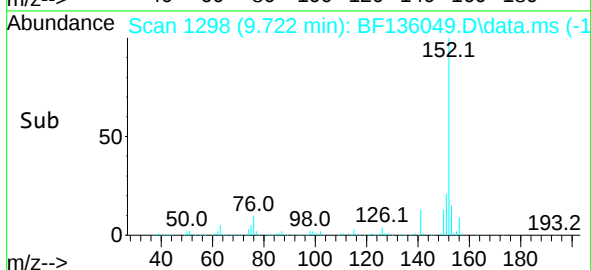
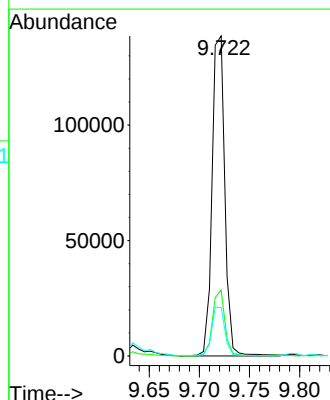
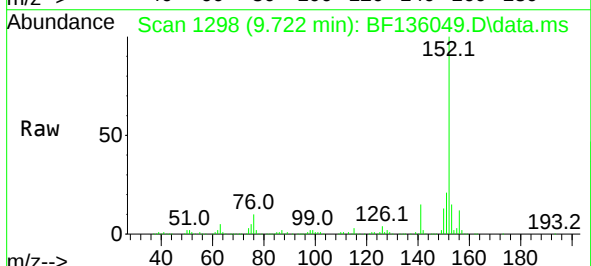
Tgt Ion:152 Resp: 122964

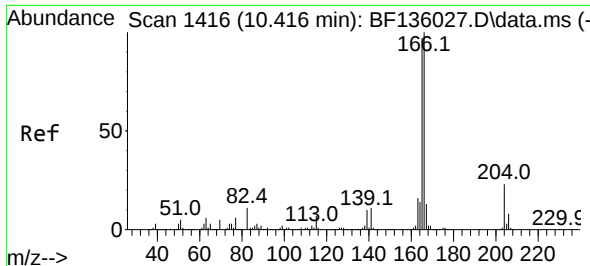
Ion Ratio Lower Upper

152 100

151 20.6 16.1 24.1

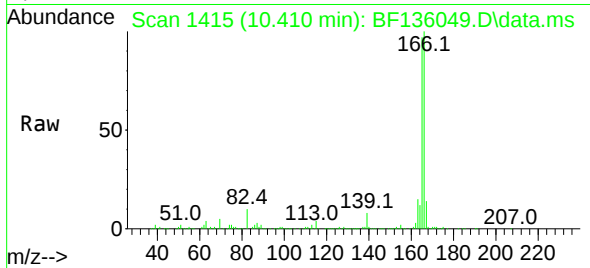
153 15.2 11.4 17.2





#58
Fluorene
Concen: 6.925 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

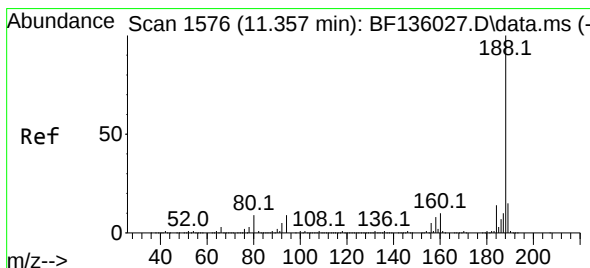
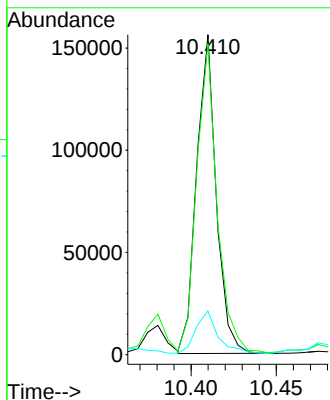
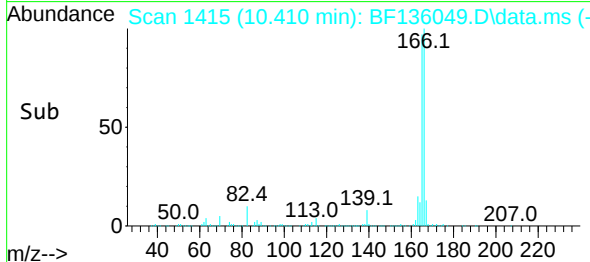
Instrument :
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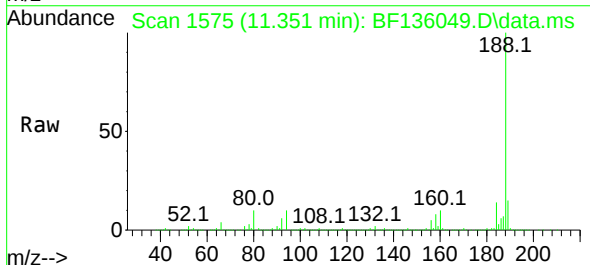
Tgt Ion:166 Resp: 125215
Ion Ratio Lower Upper
166 100
165 97.1 77.7 116.5
167 13.7 10.6 16.0

Manual Integrations
APPROVED

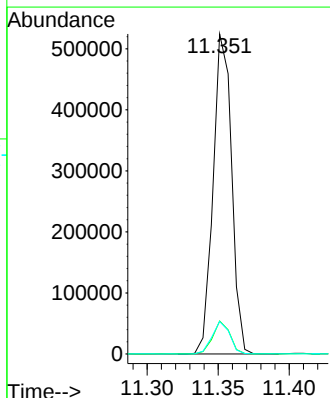
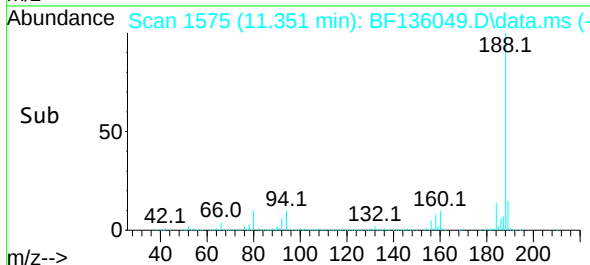
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

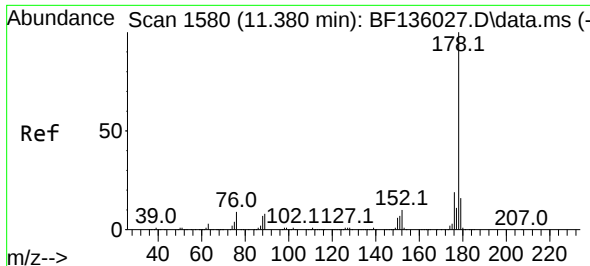


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02



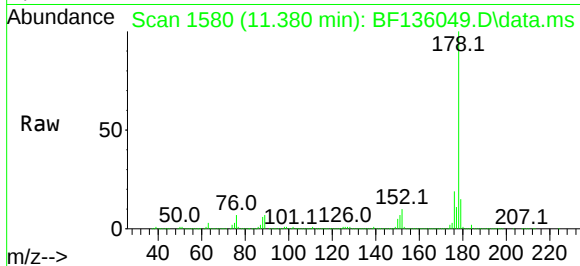
Tgt Ion:188 Resp: 473671
Ion Ratio Lower Upper
188 100
94 10.3 7.2 10.8
80 10.1 7.4 11.0





#71
Phenanthrene
Concen: 28.992 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

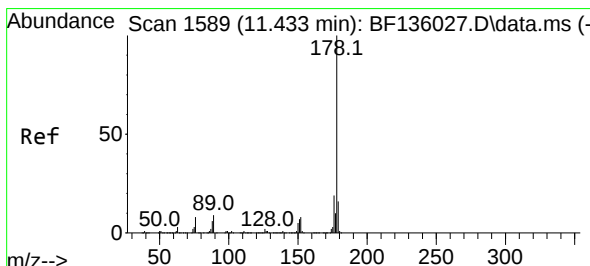
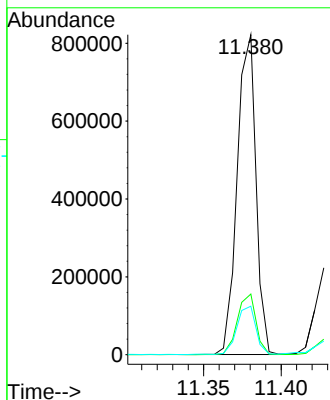
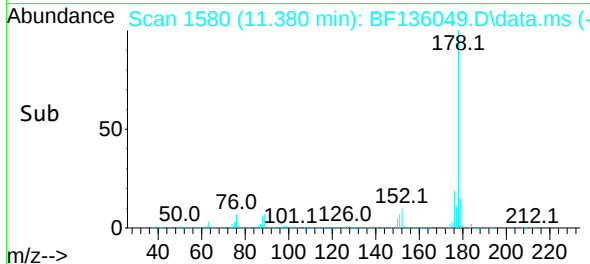
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL



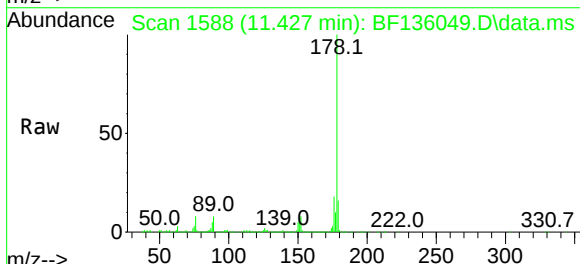
Tgt Ion:178 Resp: 69144
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.1 12.9 19.3

Manual Integrations
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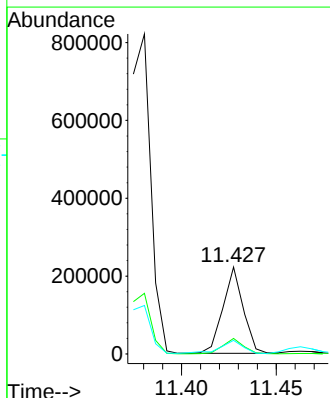
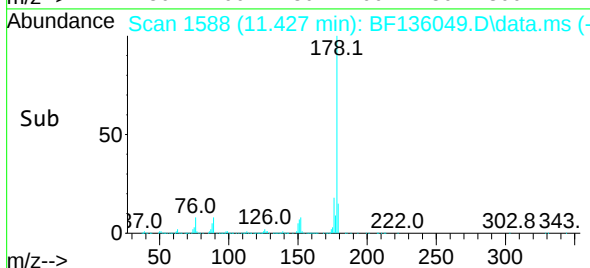
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

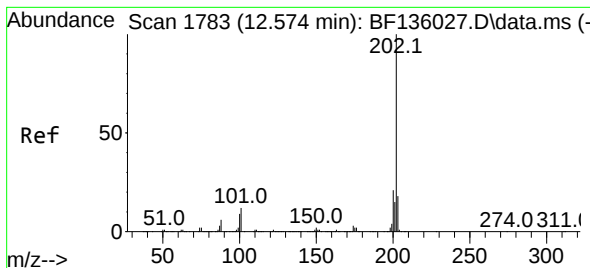


#72
Anthracene
Concen: 6.749 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02



Tgt Ion:178 Resp: 164925
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 15.6 12.6 18.8





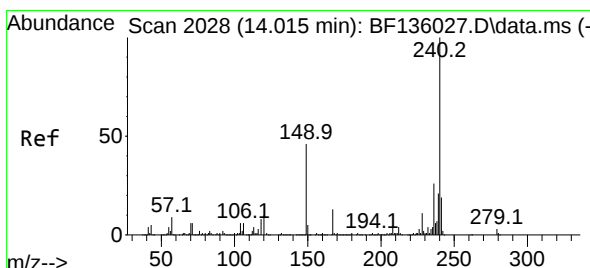
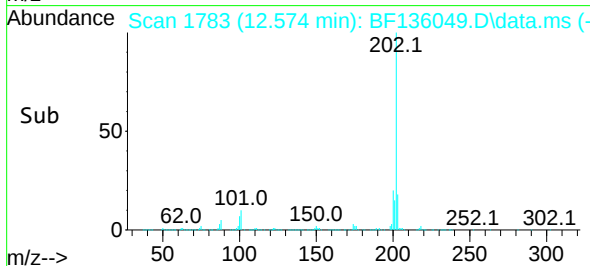
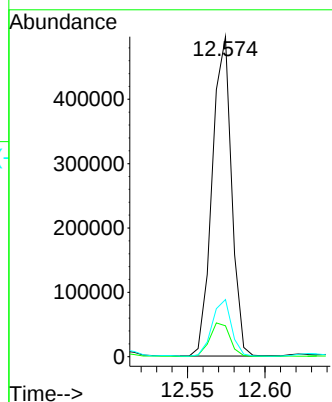
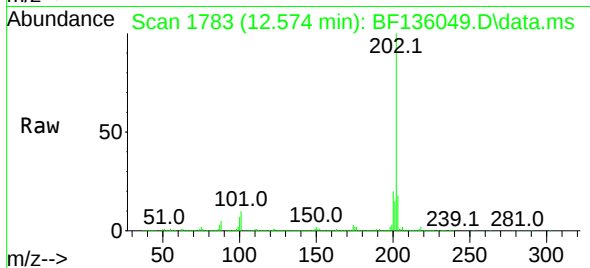
#75
Fluoranthene
Concen: 17.586 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL

Tgt Ion:202 Resp: 43086
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.8
203 17.8 0.0 37.9

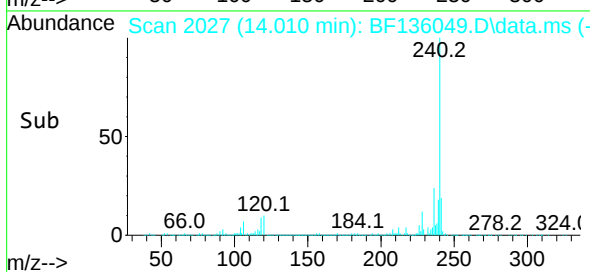
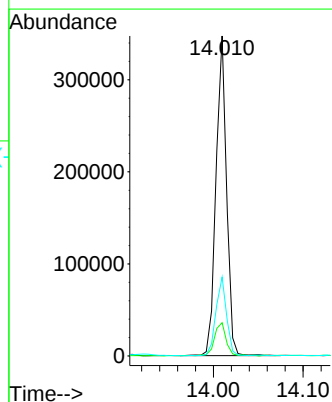
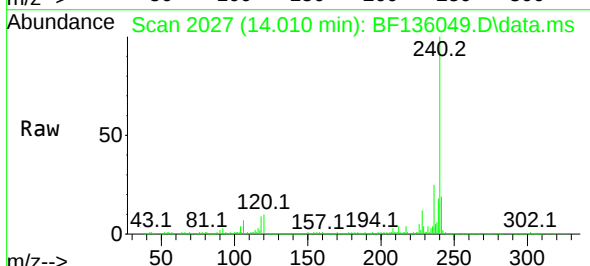
Manual Integrations
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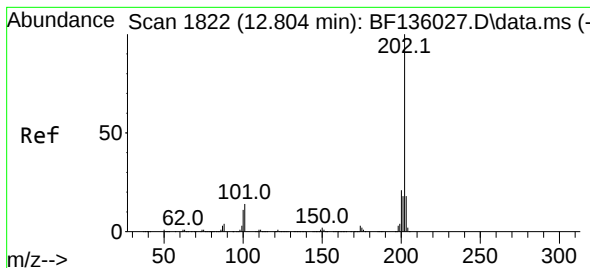
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

Tgt Ion:240 Resp: 284619
Ion Ratio Lower Upper
240 100
120 10.4 7.6 11.4
236 24.6 20.6 31.0





#78

Pyrene

Concen: 22.030 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF136049.D

Acq: 31 Oct 2023 14:02

Instrument :

BNA_F

ClientSampleId :

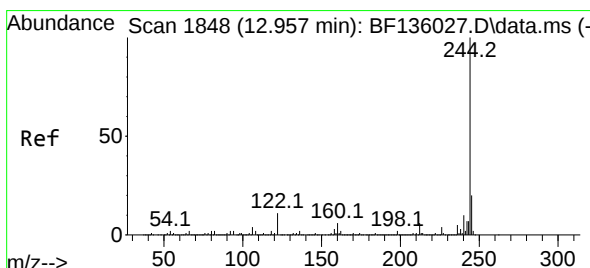
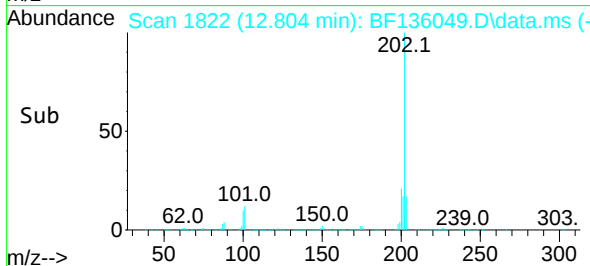
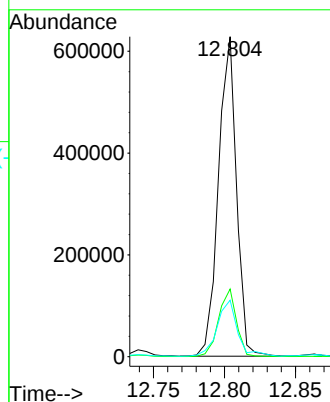
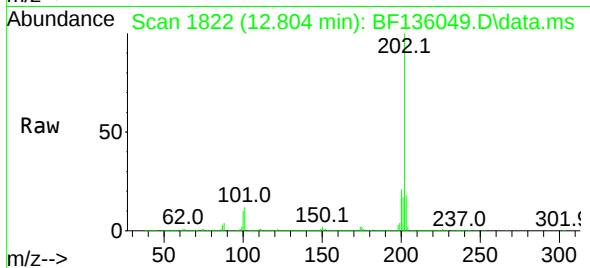
SB-104-1(5-10)DL

Tgt Ion:202 Resp: 552804
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 17.7 14.4 21.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023



#79

Terphenyl-d14

Concen: 12.332 ng

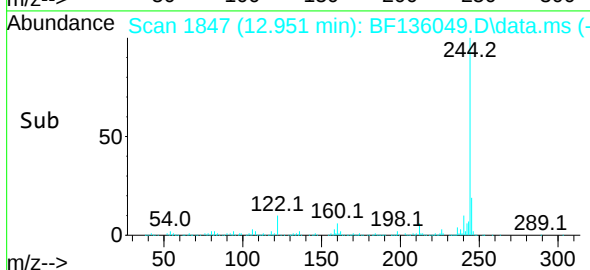
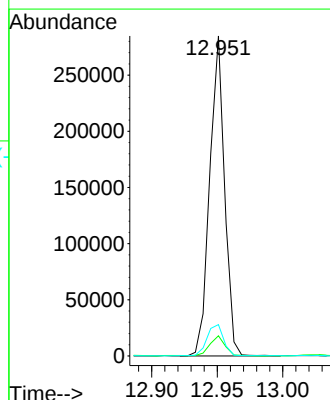
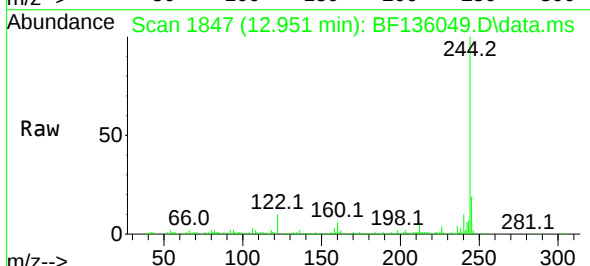
RT: 12.951 min Scan# 1847

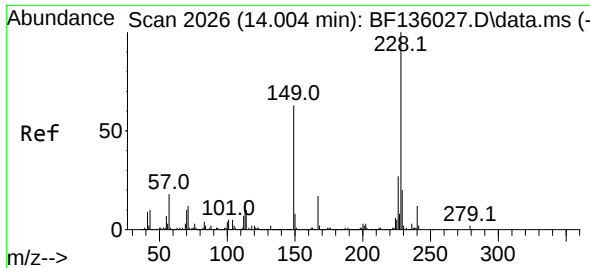
Delta R.T. -0.006 min

Lab File: BF136049.D

Acq: 31 Oct 2023 14:02

Tgt Ion:244 Resp: 225857
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 9.8 8.6 12.8





#81
Benzo(a)anthracene
Concen: 11.867 ng m
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

Instrument :

BNA_F

ClientSampleId :

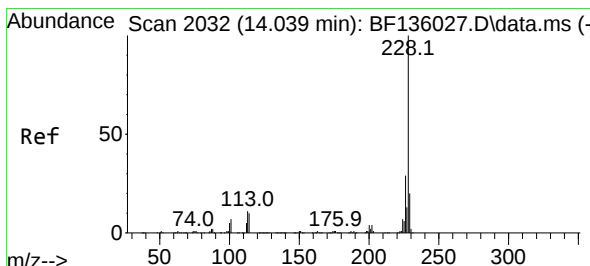
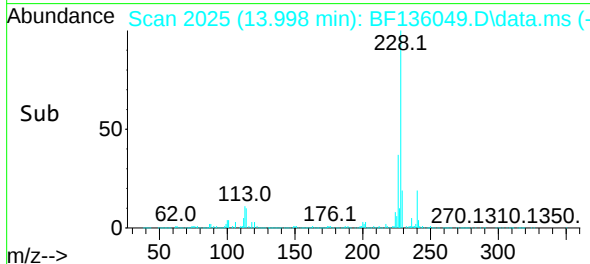
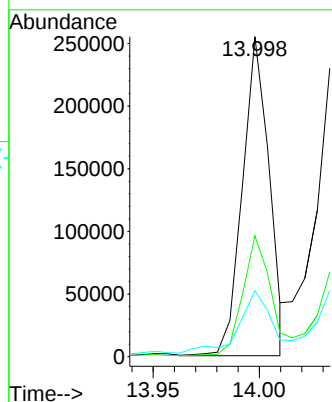
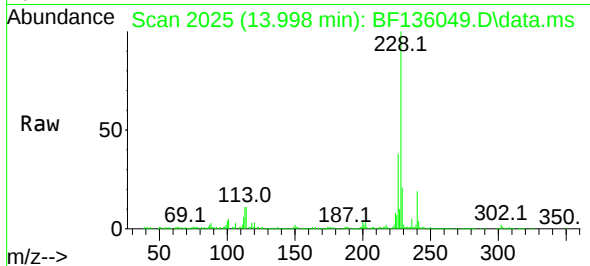
SB-104-1(5-10)DL

Tgt Ion:228 Resp: 22360
Ion Ratio Lower Upper
228 100
226 37.8 21.5 32.3
229 20.6 15.8 23.6

Manual Integrations

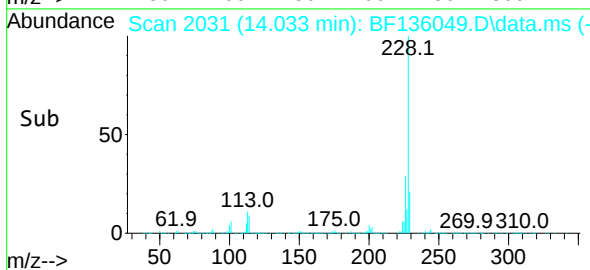
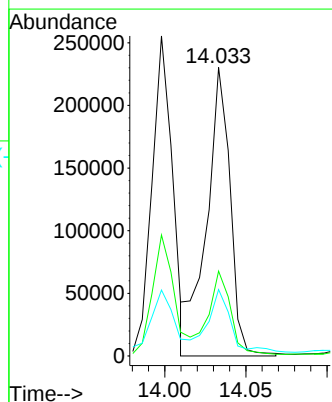
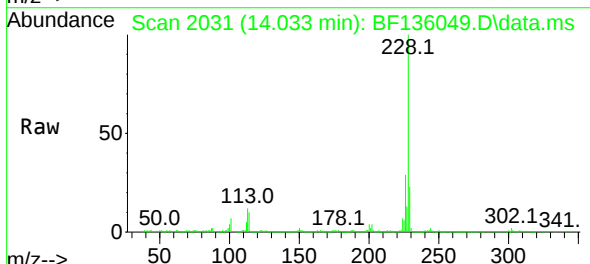
APPROVED

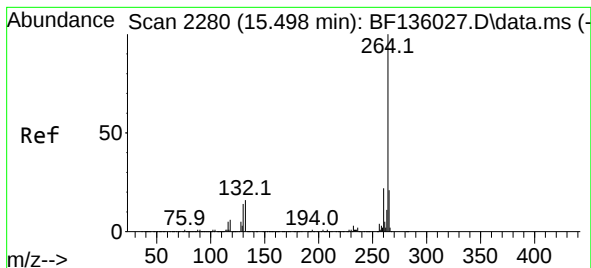
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#83
Chrysene
Concen: 12.536 ng m
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

Tgt Ion:228 Resp: 232623
Ion Ratio Lower Upper
228 100
226 29.4 23.5 35.3
229 23.0 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136049.D

Acq: 31 Oct 2023 14:02

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL

Tgt Ion:264 Resp: 36331

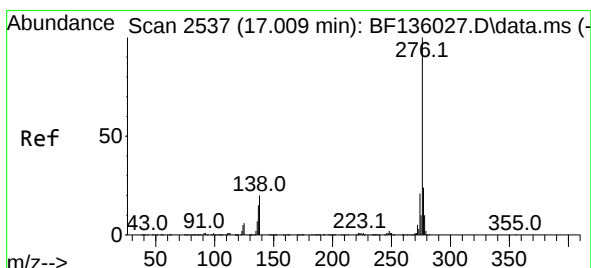
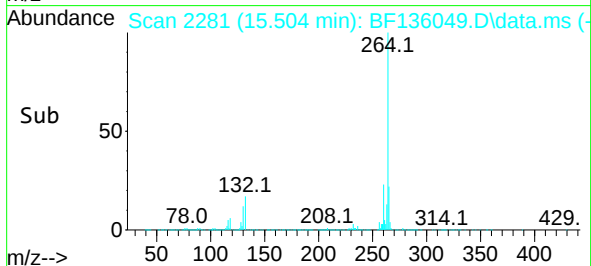
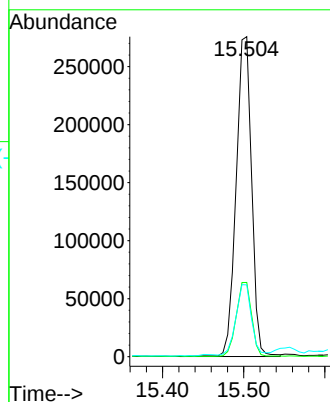
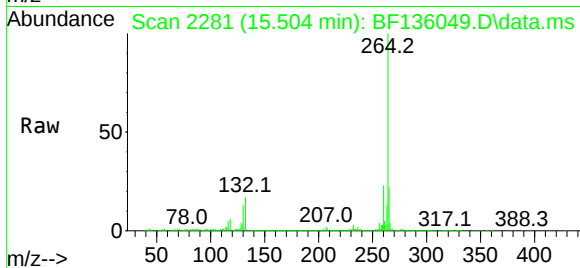
Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.9	26.9
265	22.4	16.8	25.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.153 ng

RT: 17.004 min Scan# 2536

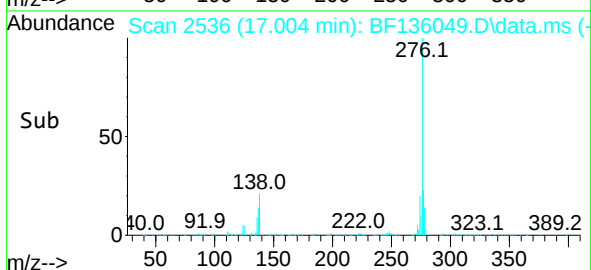
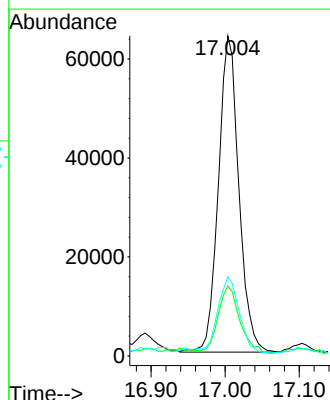
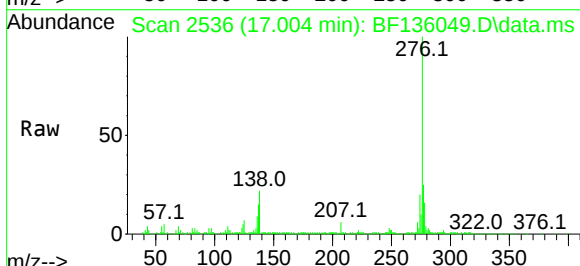
Delta R.T. -0.006 min

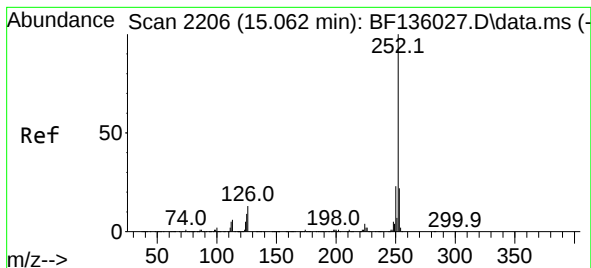
Lab File: BF136049.D

Acq: 31 Oct 2023 14:02

Tgt Ion:276 Resp: 122347

Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.4	30.6
277	25.2	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 11.756 ng m

RT: 15.063 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF136049.D

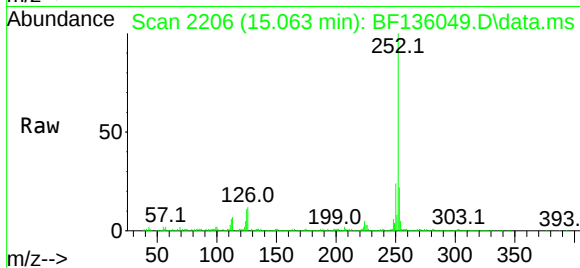
Acq: 31 Oct 2023 14:02

Instrument :

BNA_F

ClientSampleId :

SB-104-1(5-10)DL



Tgt Ion:252 Resp: 25272

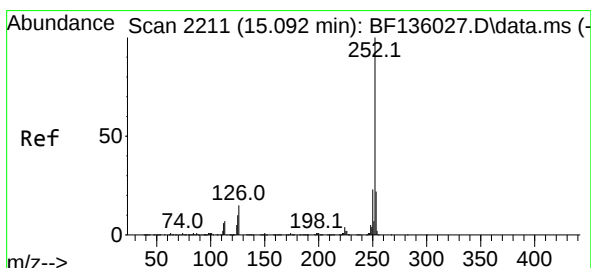
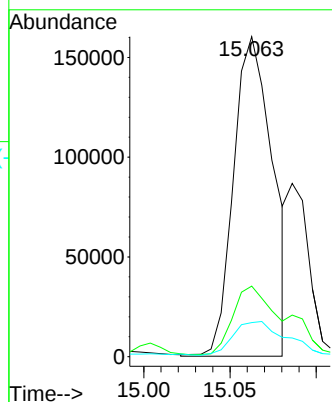
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.6	7.5	11.3

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Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#89

Benzo(k)fluoranthene

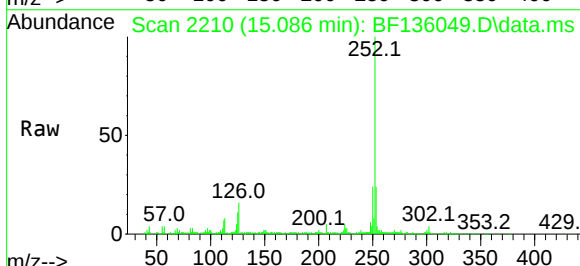
Concen: 3.595 ng m

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

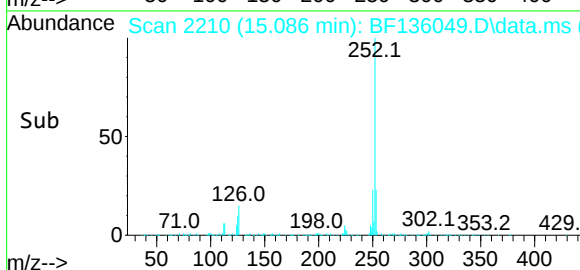
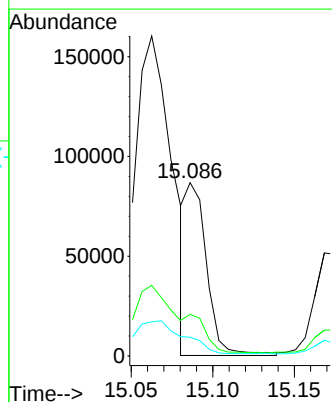
Lab File: BF136049.D

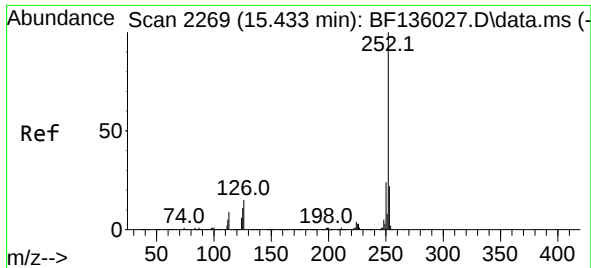
Acq: 31 Oct 2023 14:02



Tgt Ion:252 Resp: 76472

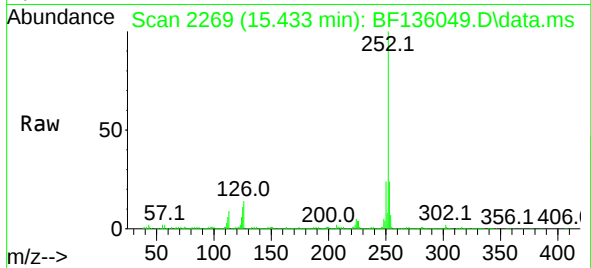
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	10.8	8.0	12.0





#90
Benzo(a)pyrene
Concen: 11.843 ng
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02

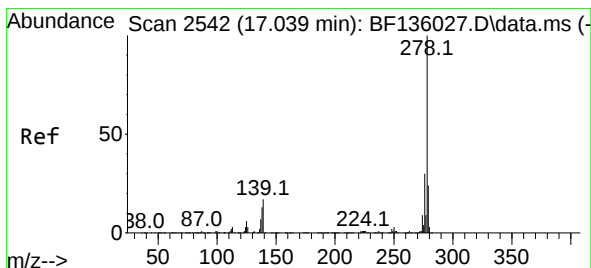
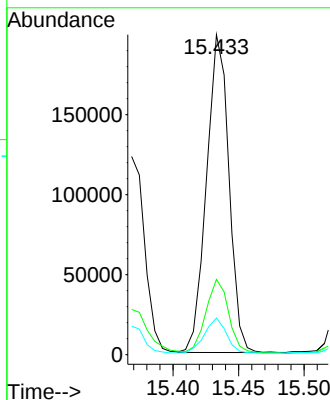
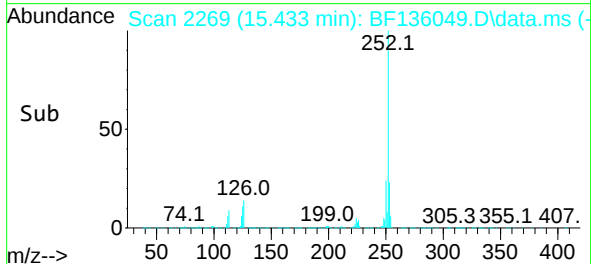
Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)DL



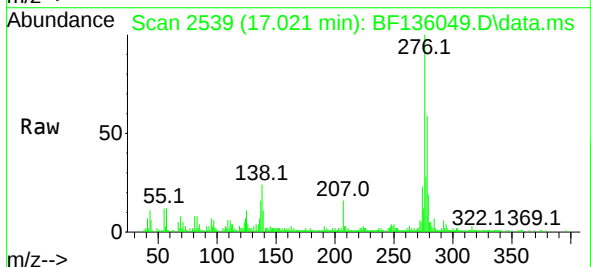
Tgt Ion:252 Resp: 23656
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 11.4 9.0 13.6

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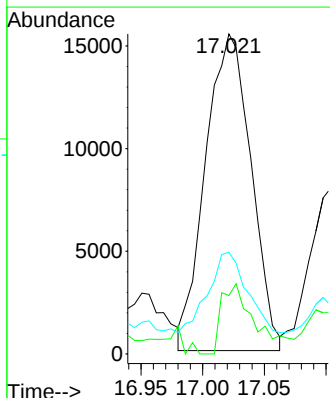
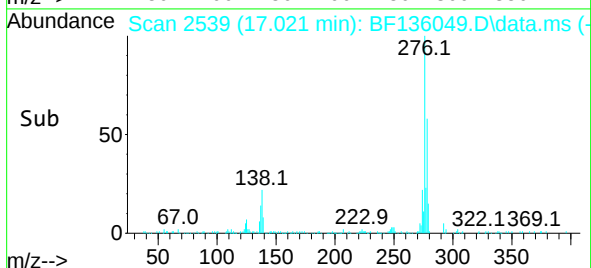
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

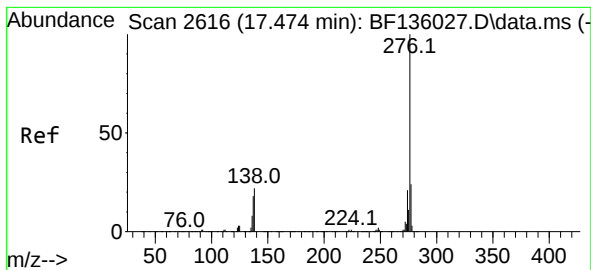


#91
Dibenzo(a,h)anthracene
Concen: 2.040 ng m
RT: 17.021 min Scan# 2539
Delta R.T. -0.017 min
Lab File: BF136049.D
Acq: 31 Oct 2023 14:02



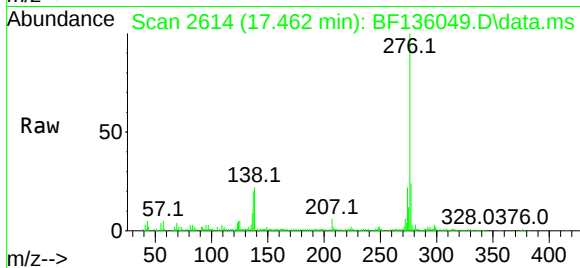
Tgt Ion:278 Resp: 39677
Ion Ratio Lower Upper
278 100
139 18.2 13.7 20.5
279 31.8 19.0 28.6#





#92
 Benzo(g,h,i)perylene
 Concen: 8.153 ng
 RT: 17.462 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF136049.D
 Acq: 31 Oct 2023 14:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-104-1(5-10)DL



Tgt Ion: 276 Resp: 123900
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.0 28.4
 138 21.8 17.4 26.2

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 11/01/2023
 Supervised By : mohammad ahmed 11/01/2023

