

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136161.D
 Acq On : 06 Nov 2023 18:29
 Operator : CG\JU
 Sample : 05257-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2023
 Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 23:30:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	81678	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	317863	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	151072	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	223349	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	168389	20.000	ng	0.00
86) Perylene-d12	15.504	264	157962	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	429907	82.710	ng	0.00
7) Phenol-d6	6.451	99	532990	82.301	ng	0.00
23) Nitrobenzene-d5	7.381	82	334283	63.397	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	131723	81.688	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	637764	67.296	ng	0.00
79) Terphenyl-d14	12.951	244	493030	45.501	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.716	152	105262	7.948	ng	98
52) Acenaphthene	9.886	154	19730	2.343	ng	96
58) Fluorene	10.404	166	47158	5.130	ng	98
71) Phenanthrene	11.374	178	539484	47.973	ng	100
72) Anthracene	11.421	178	120451	10.453	ng	100
73) Carbazole	11.580	167	28400	2.836	ng	96
75) Fluoranthene	12.574	202	1013860	87.759	ng	98
78) Pyrene	12.804	202	993660	66.931	ng	100
81) Benzo(a)anthracene	14.004	228	575563	51.630	ng	93
83) Chrysene	14.039	228	607075	55.296	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	240476m	23.293	ng	
88) Benzo(b)fluoranthene	15.068	252	740946m	79.272	ng	
89) Benzo(k)fluoranthene	15.092	252	255532m	27.630	ng	
90) Benzo(a)pyrene	15.445	252	451103	51.942	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	60992	7.212	ng	94
92) Benzo(g,h,i)perylene	17.474	276	205796	22.981	ng	94

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

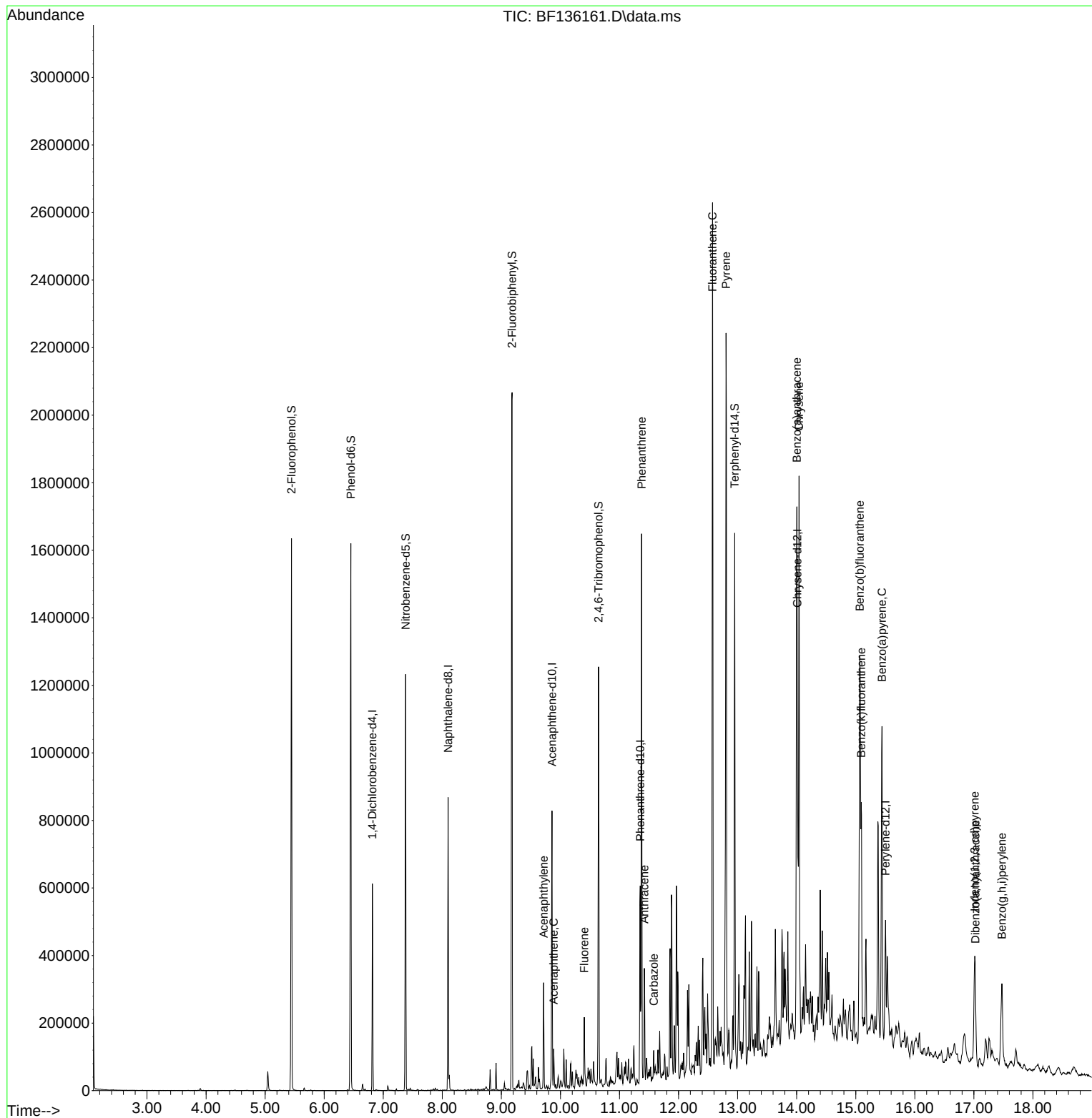
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136161.D
Acq On : 06 Nov 2023 18:29
Operator : CG\JU
Sample : 05257-01
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ALS Vial : 14 Sample Multiplier: 1

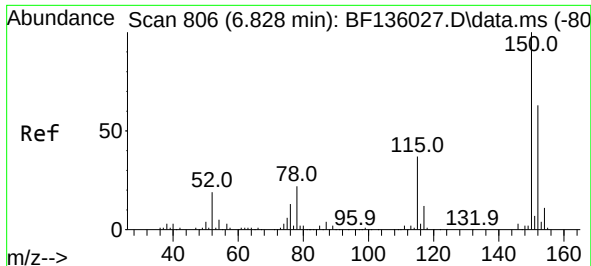
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Nov 06 23:30:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

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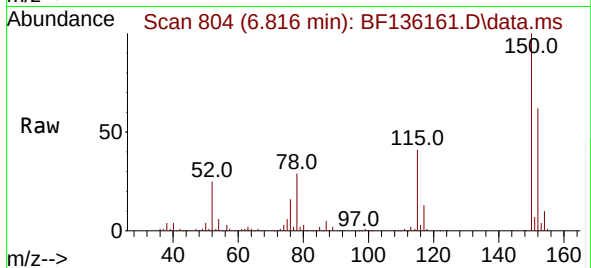
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

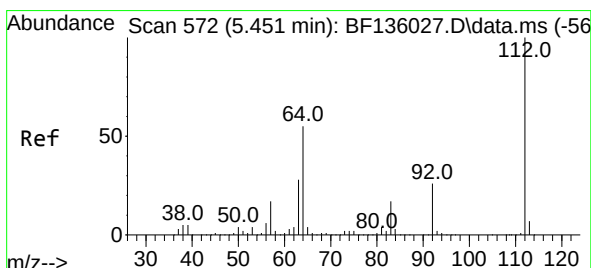
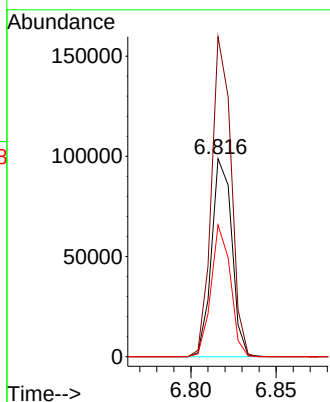
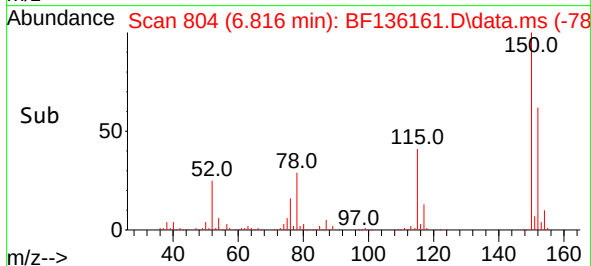
Instrument :
BNA_F
ClientSampleId :
WC-6



Tgt Ion:152 Resp: 81678
Ion Ratio Lower Upper
152 100
150 161.7 126.4 189.6
115 66.6 47.0 70.4

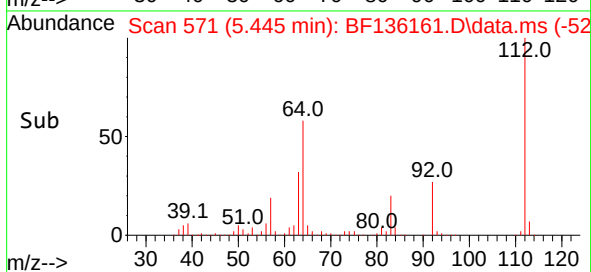
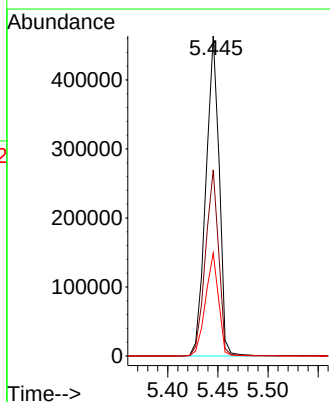
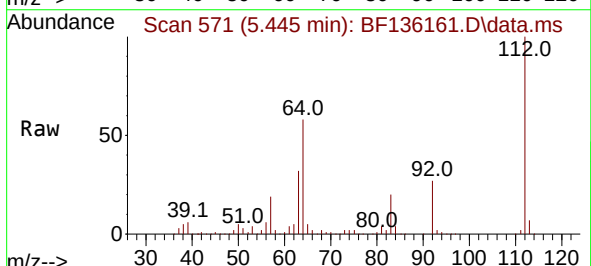
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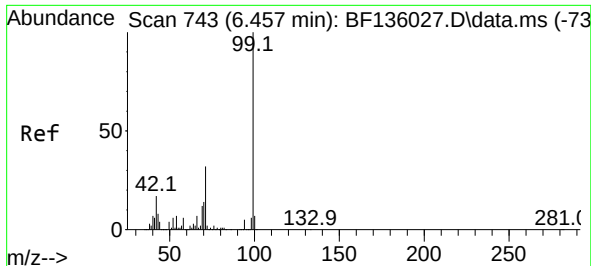
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#5
2-Fluorophenol
Concen: 82.710 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

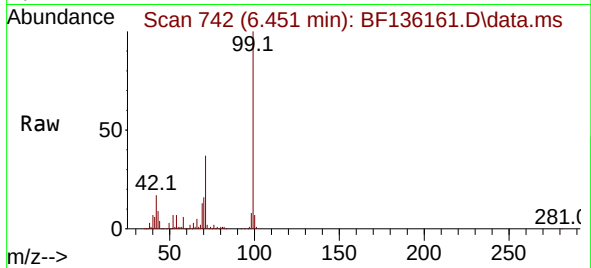
Tgt Ion:112 Resp: 429907
Ion Ratio Lower Upper
112 100
64 58.1 43.9 65.9
63 32.2 22.4 33.6





#7
Phenol-d6
Concen: 82.301 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

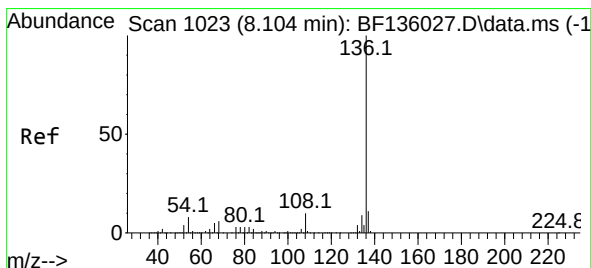
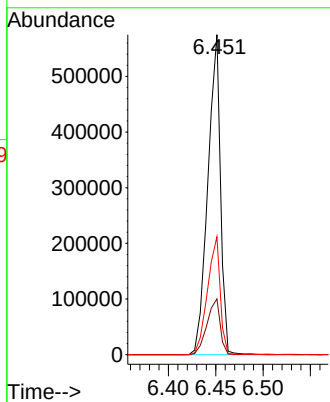
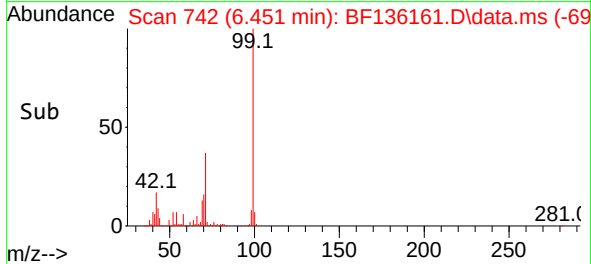
Instrument :
BNA_F
ClientSampleId :
WC-6



Tgt Ion: 99 Resp: 532990
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 36.9 25.9 38.9

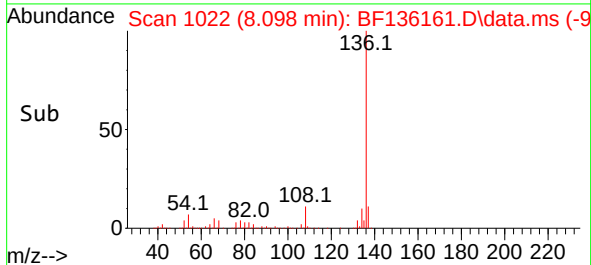
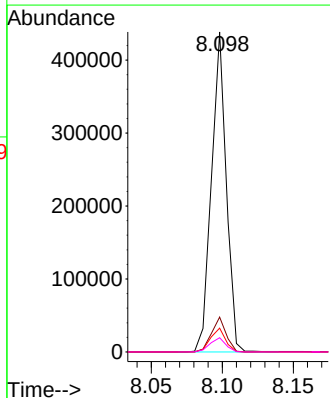
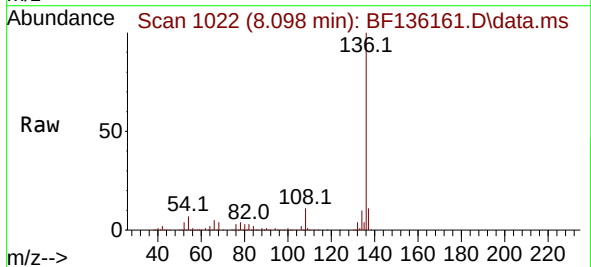
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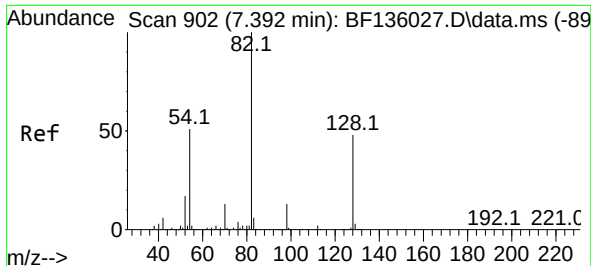
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

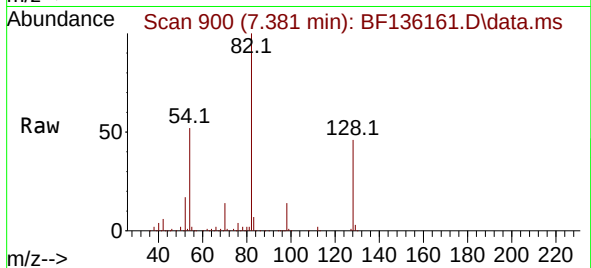
Tgt Ion:136 Resp: 317863
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.4 6.6 9.8
68 4.4 4.8 7.2#





#23
Nitrobenzene-d5
Concen: 63.397 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

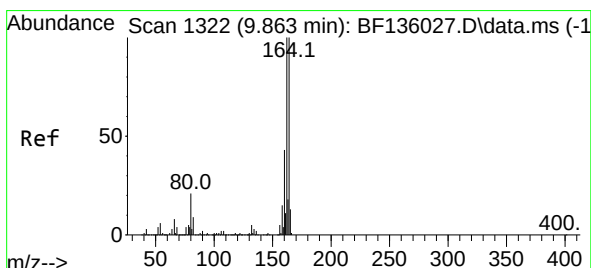
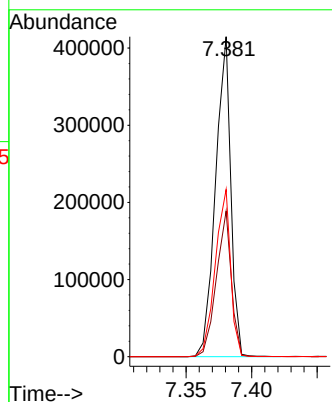
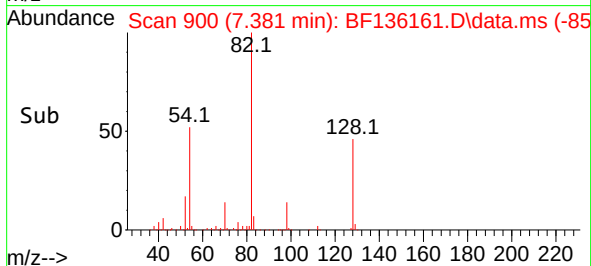
Instrument :
BNA_F
ClientSampleId :
WC-6



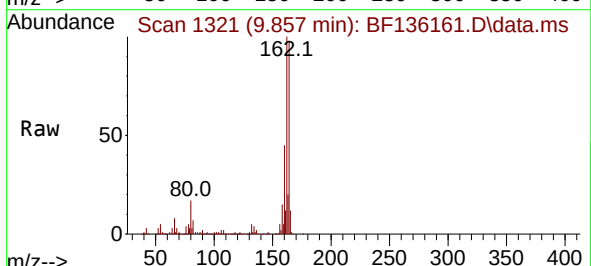
Tgt Ion: 82 Resp: 334283
Ion Ratio Lower Upper
82 100
128 45.5 38.6 57.8
54 52.3 40.8 61.2

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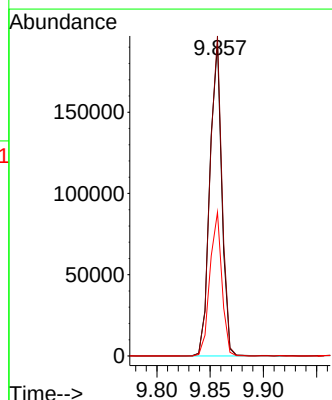
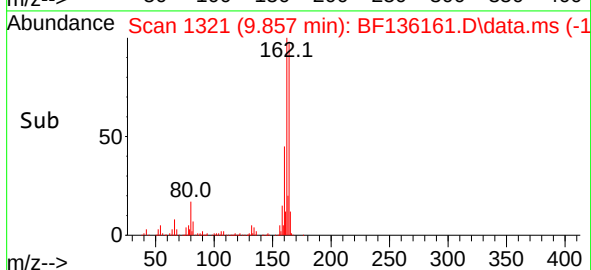
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

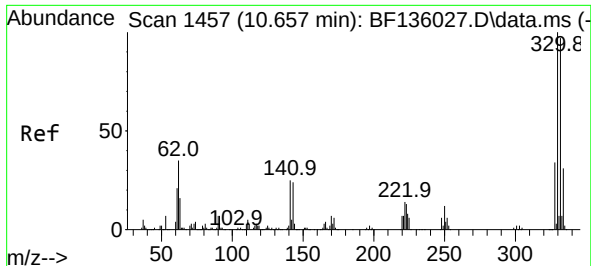


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29



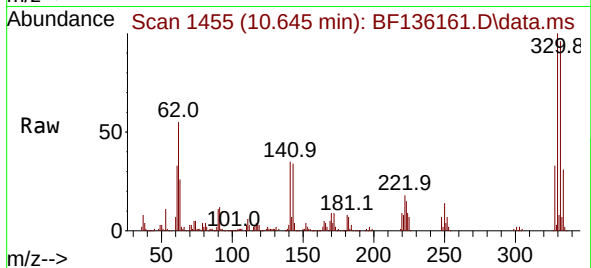
Tgt Ion:164 Resp: 151072
Ion Ratio Lower Upper
164 100
162 102.5 80.1 120.1
160 46.0 34.8 52.2





#42
 2,4,6-Tribromophenol
 Concen: 81.688 ng
 RT: 10.645 min Scan# 1457
 Delta R.T. -0.006 min
 Lab File: BF136161.D
 Acq: 06 Nov 2023 18:29

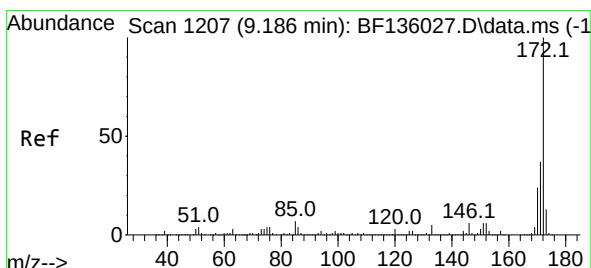
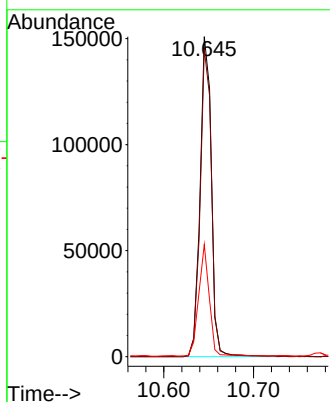
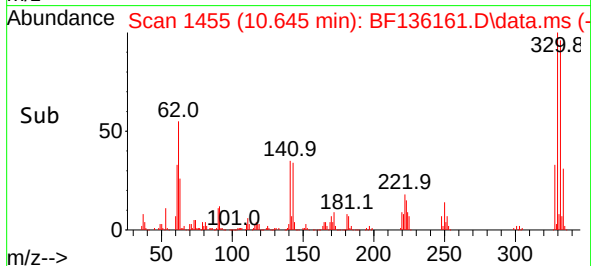
Instrument :
 BNA_F
 ClientSampleId :
 WC-6



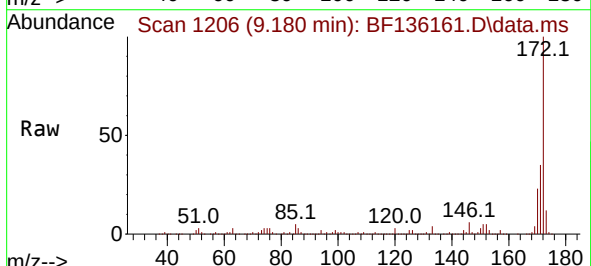
Tgt Ion: 330 Resp: 131723
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.9 115.3
 141 32.3 23.2 34.8

Manual Integrations
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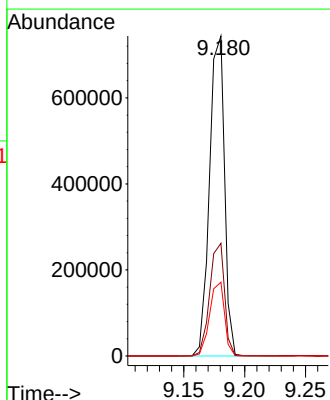
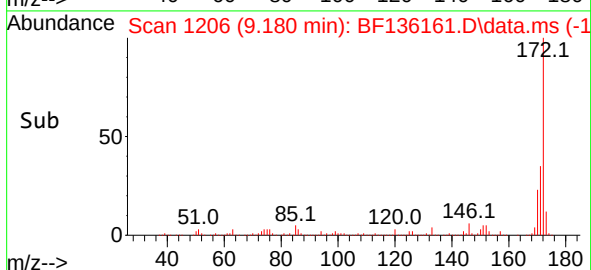
Reviewed By : Yogesh Patel 11/08/2023
 Supervised By : mohammad ahmed 11/08/2023

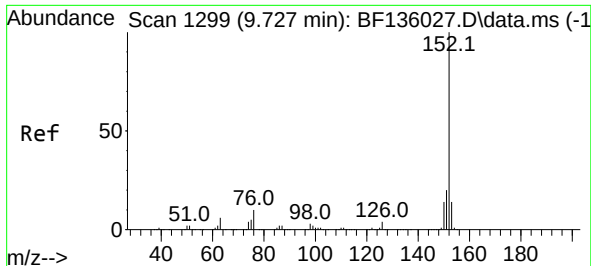


#45
 2-Fluorobiphenyl
 Concen: 67.296 ng
 RT: 9.180 min Scan# 1206
 Delta R.T. 0.000 min
 Lab File: BF136161.D
 Acq: 06 Nov 2023 18:29



Tgt Ion: 172 Resp: 637764
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.4 44.0
 170 23.0 19.3 28.9





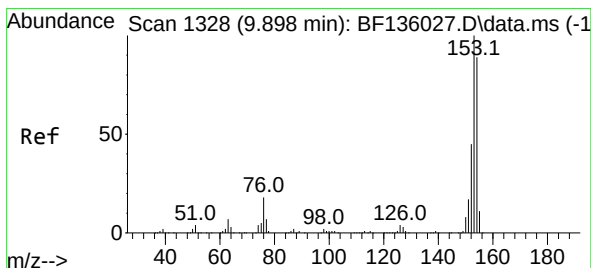
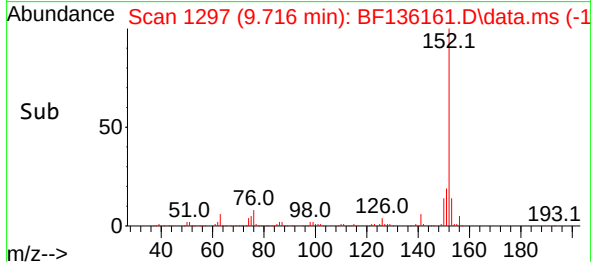
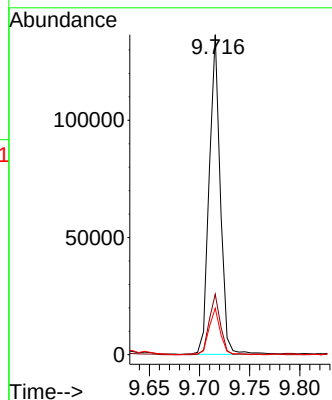
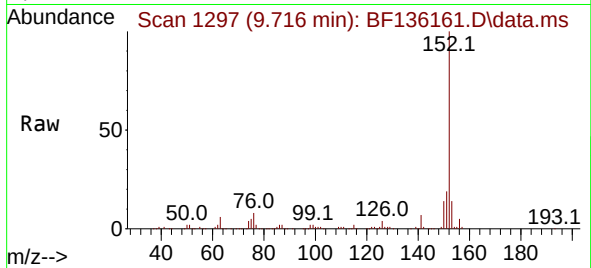
#49
Acenaphthylene
Concen: 7.948 ng
RT: 9.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Instrument :
BNA_F
ClientSampleId :
WC-6

Tgt Ion:152 Resp: 10526
Ion Ratio Lower Upper
152 100
151 18.9 16.1 24.1
153 14.5 11.4 17.2

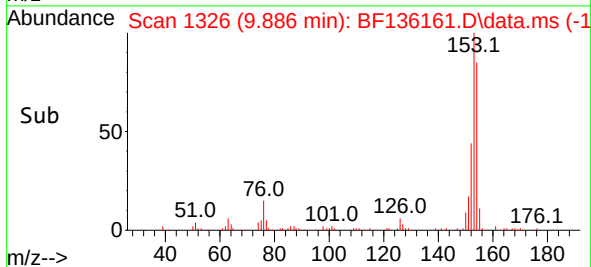
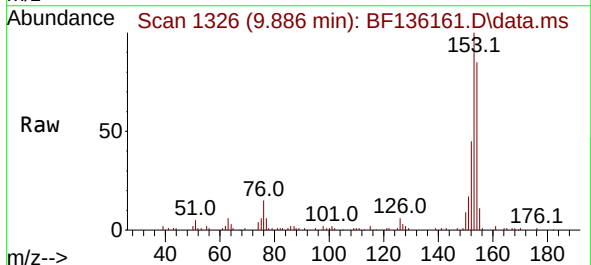
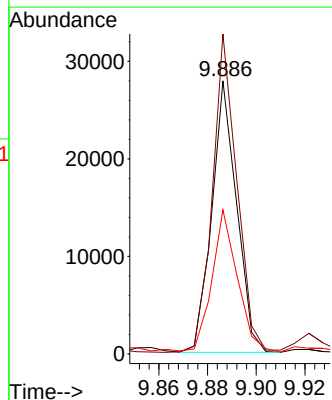
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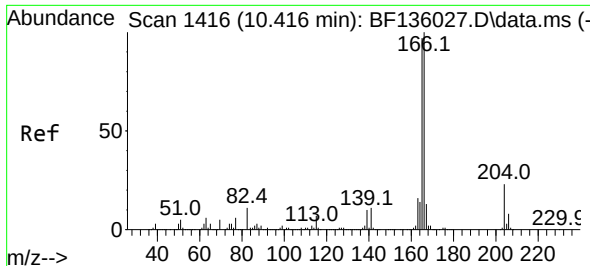
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#52
Acenaphthene
Concen: 2.343 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion:154 Resp: 19730
Ion Ratio Lower Upper
154 100
153 117.1 89.9 134.9
152 52.8 40.2 60.2





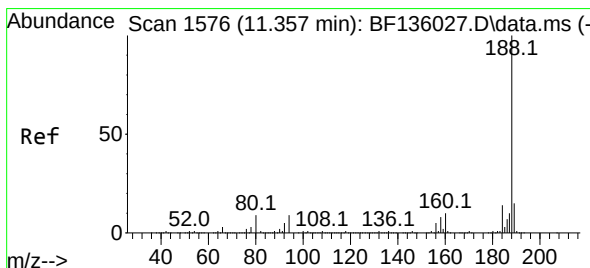
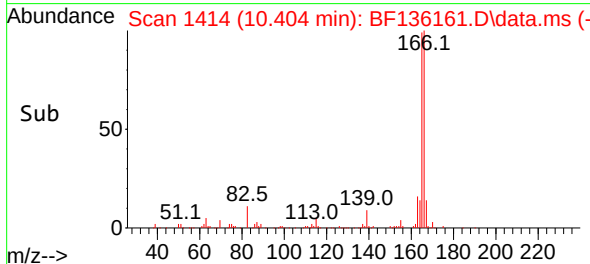
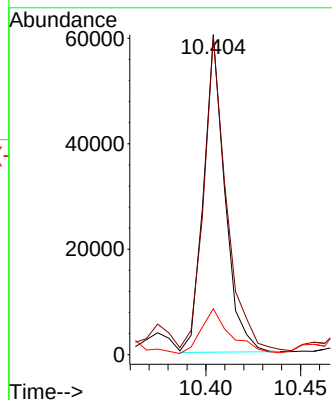
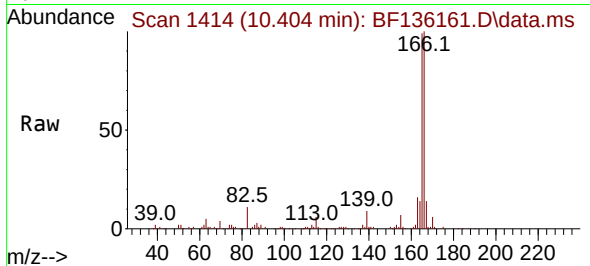
#58
Fluorene
Concen: 5.130 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Instrument :
BNA_F
ClientSampleId :
WC-6

Tgt Ion:166 Resp: 47158
Ion Ratio Lower Upper
166 100
165 99.2 77.7 116.5
167 14.3 10.6 16.0

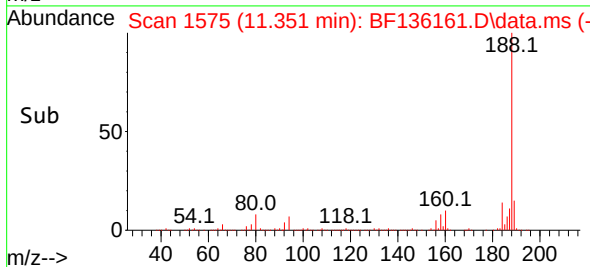
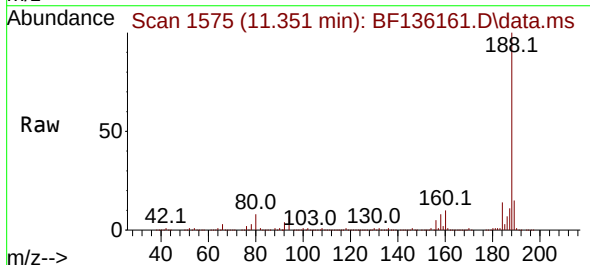
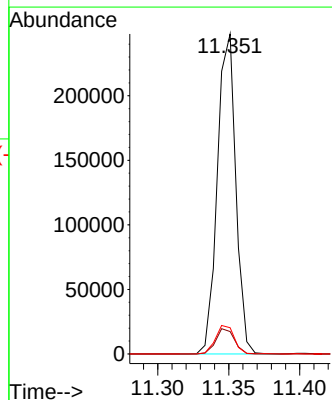
Manual Integrations
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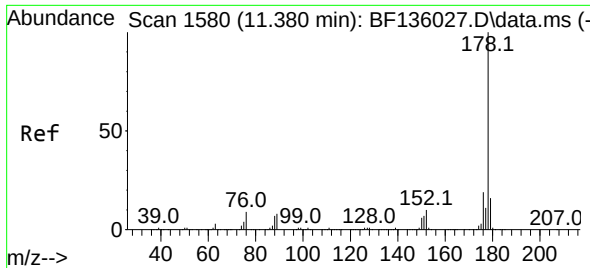
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

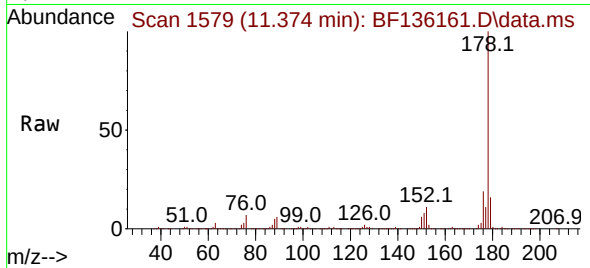
Tgt Ion:188 Resp: 223349
Ion Ratio Lower Upper
188 100
94 7.0 7.2 10.8#
80 8.2 7.4 11.0





#71
Phenanthrene
Concen: 47.973 ng
RT: 11.374 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

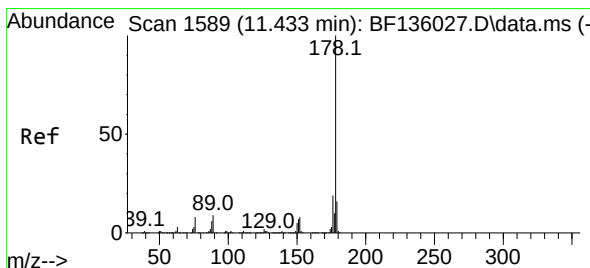
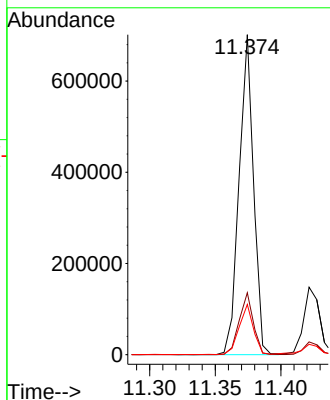
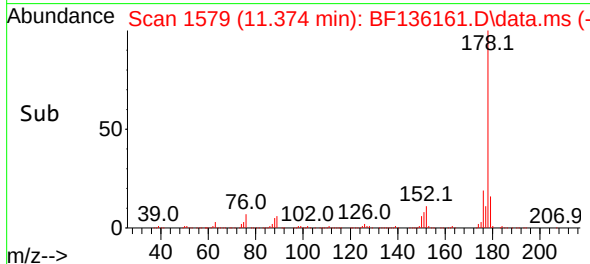
Instrument :
BNA_F
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WC-6



Tgt Ion:178 Resp: 539484
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.7 12.9 19.3

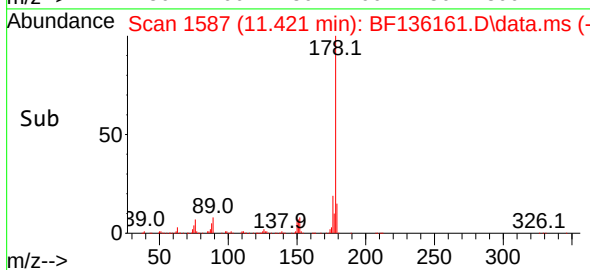
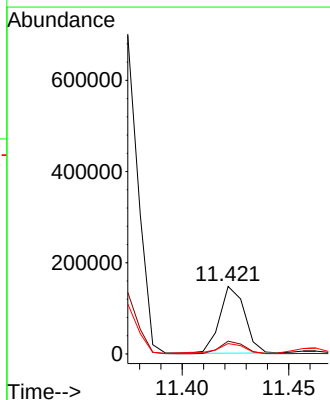
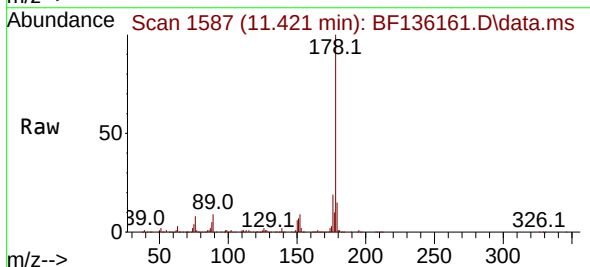
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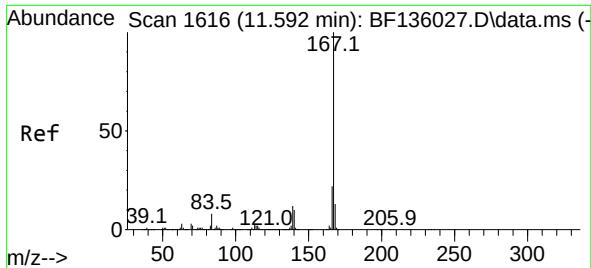
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#72
Anthracene
Concen: 10.453 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion:178 Resp: 120451
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.5 12.6 18.8





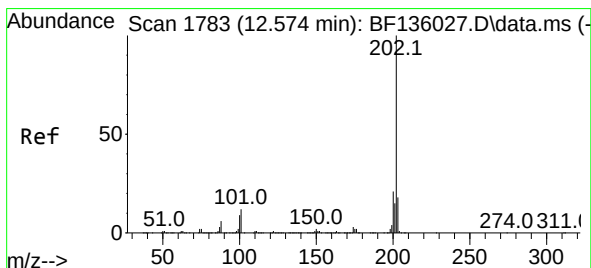
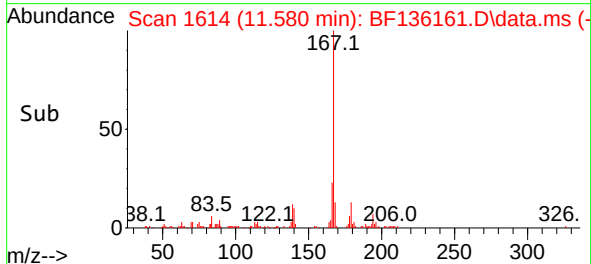
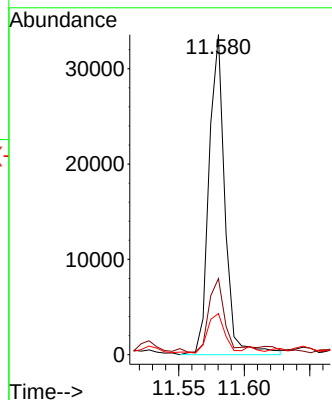
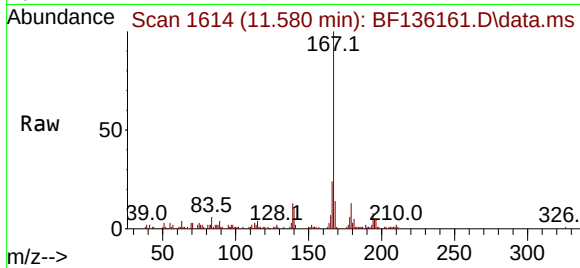
#73
 Carbazole
 Concen: 2.836 ng
 RT: 11.580 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF136161.D
 Acq: 06 Nov 2023 18:29

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Tgt Ion:167 Resp: 28400
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.2 25.8
 139 12.9 9.9 14.9

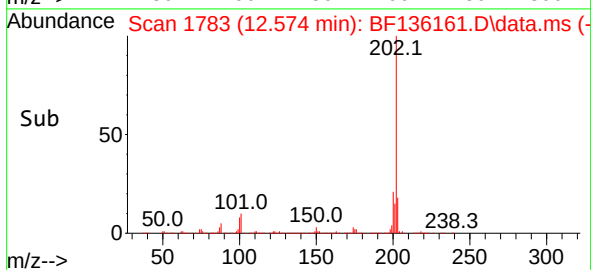
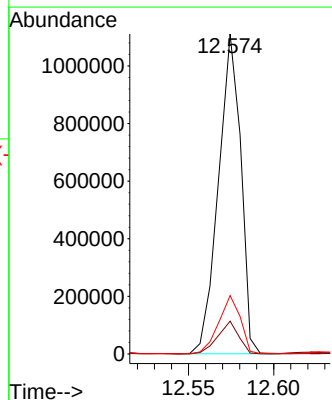
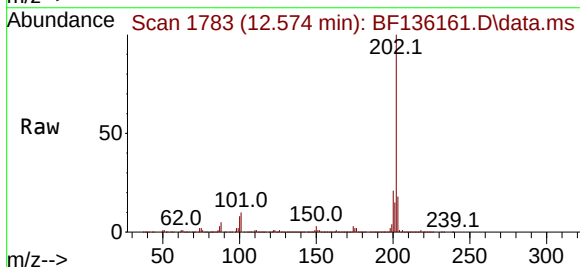
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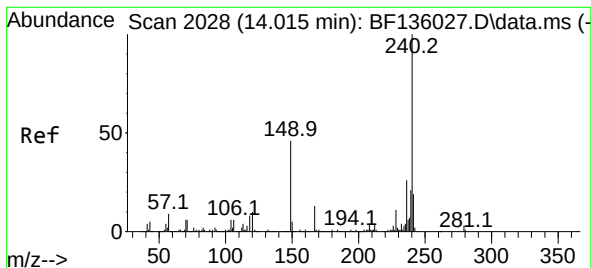
Reviewed By :Yogesh Patel 11/08/2023
 Supervised By :mohammad ahmed 11/08/2023



#75
 Fluoranthene
 Concen: 87.759 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. 0.006 min
 Lab File: BF136161.D
 Acq: 06 Nov 2023 18:29

Tgt Ion:202 Resp: 1013860
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.8
 203 18.3 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

Instrument :

BNA_F

ClientSampleId :

WC-6

Tgt Ion:240 Resp: 168389

Ion Ratio Lower Upper

240 100

120 10.0 7.6 11.4

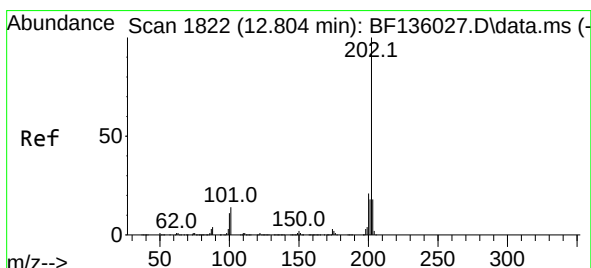
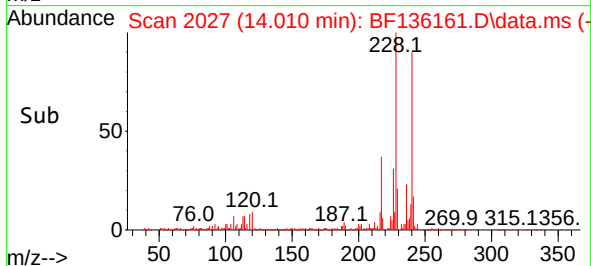
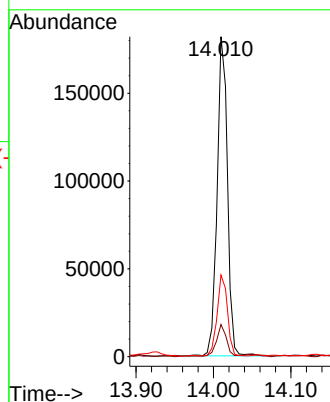
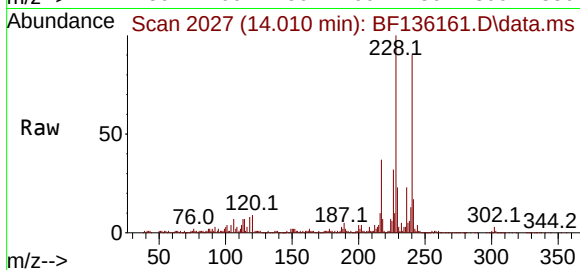
236 25.5 20.6 31.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2023

Supervised By :mohammad ahmed 11/08/2023



#78

Pyrene

Concen: 66.931 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.006 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

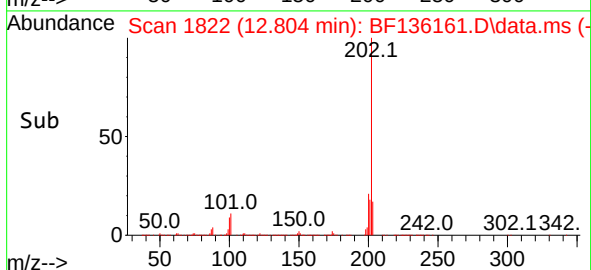
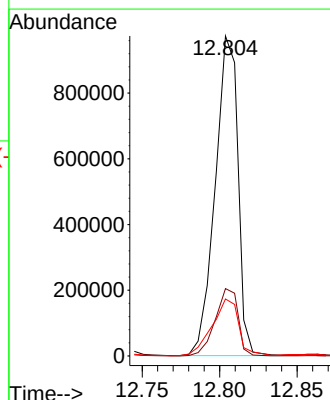
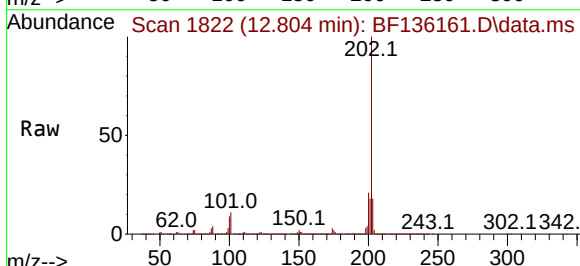
Tgt Ion:202 Resp: 993660

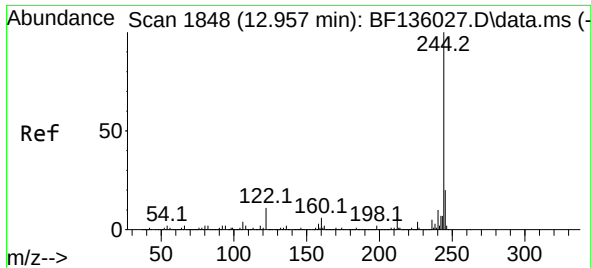
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.8 14.4 21.6





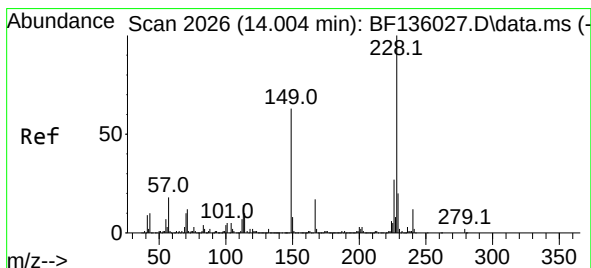
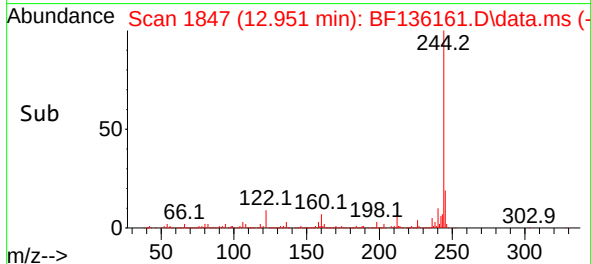
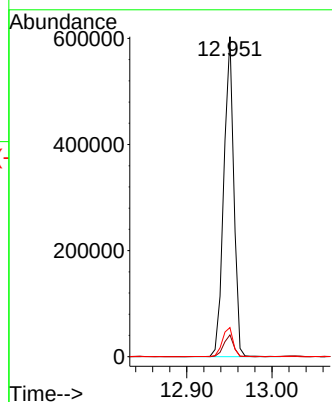
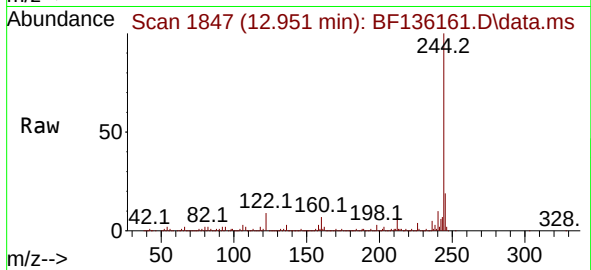
#79
Terphenyl-d14
Concen: 45.501 ng
RT: 12.951 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Instrument :
BNA_F
ClientSampleId :
WC-6

Tgt Ion:244 Resp: 493030
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 9.1 8.6 12.8

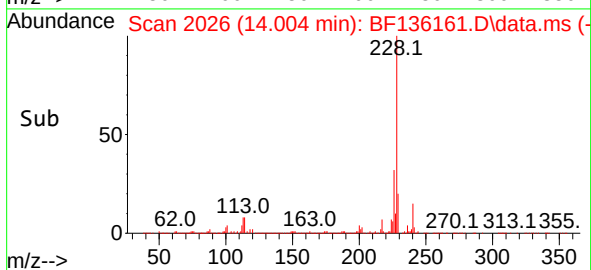
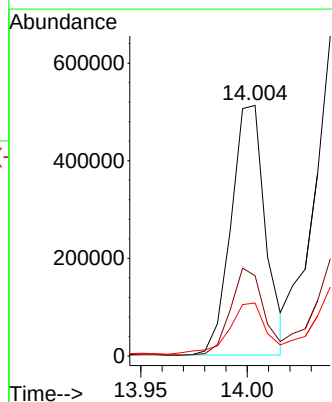
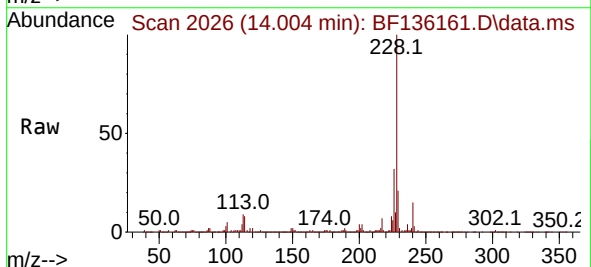
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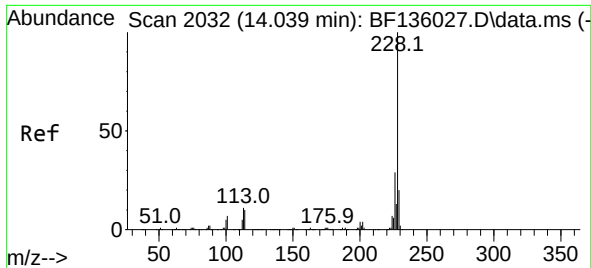
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#81
Benzo(a)anthracene
Concen: 51.630 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

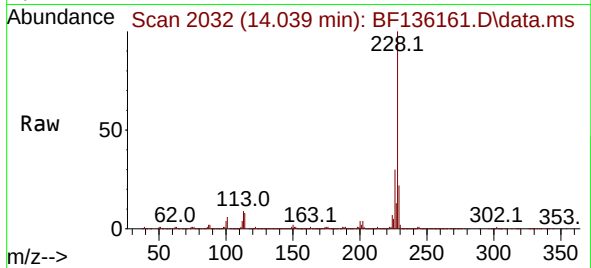
Tgt Ion:228 Resp: 575563
Ion Ratio Lower Upper
228 100
226 32.0 21.5 32.3
229 21.1 15.8 23.6





#83
Chrysene
Concen: 55.296 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

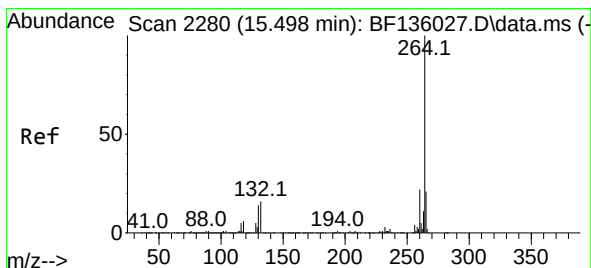
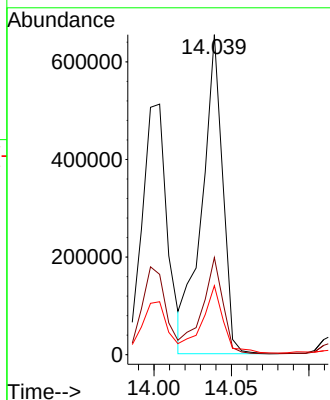
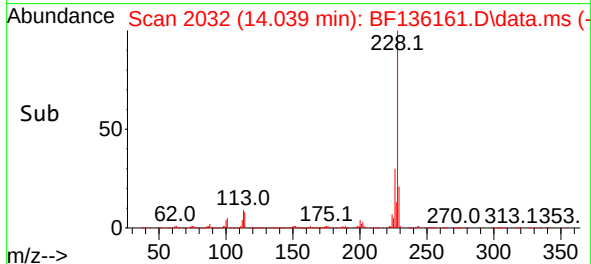
Instrument :
BNA_F
ClientSampleId :
WC-6



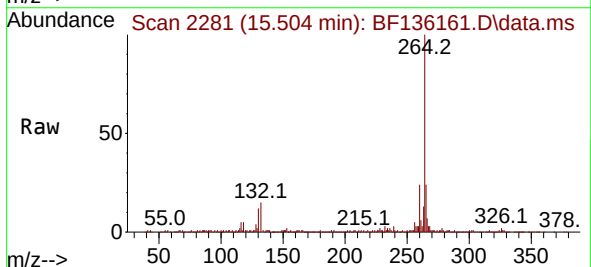
Tgt Ion:228 Resp: 607075
Ion Ratio Lower Upper
228 100
226 30.3 23.5 35.3
229 21.5 16.0 24.0

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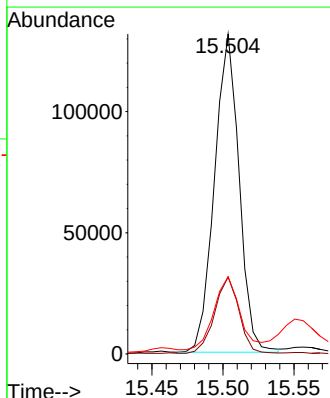
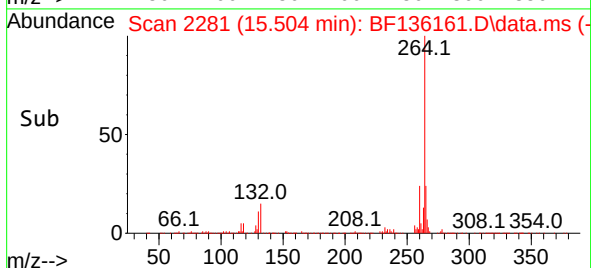
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

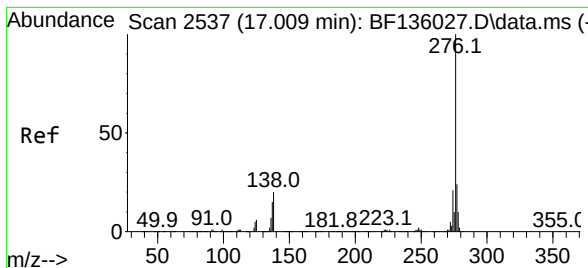


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29



Tgt Ion:264 Resp: 157962
Ion Ratio Lower Upper
264 100
260 24.0 17.9 26.9
265 24.2 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.293 ng m

RT: 17.015 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

Instrument :

BNA_F

ClientSampleId :

WC-6

Tgt Ion:276 Resp: 240470

Ion Ratio Lower Upper

276 100

138 4.1 20.4 30.6

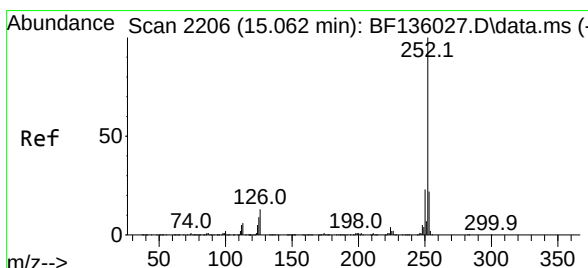
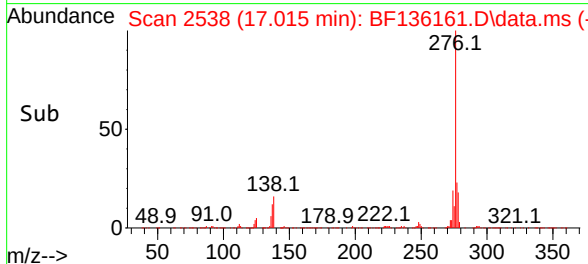
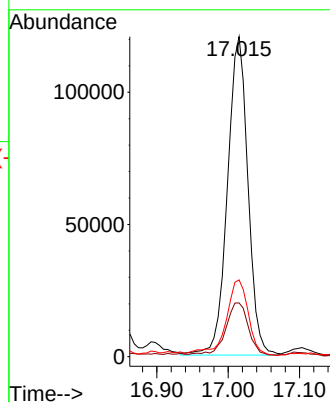
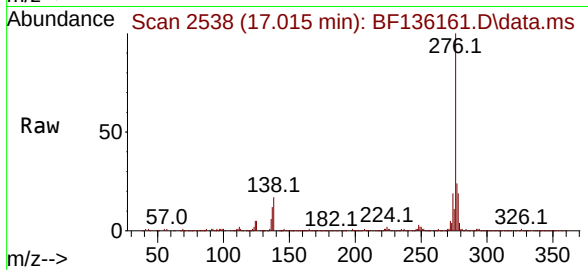
277 4.4 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/08/2023

Supervised By :mohammad ahmed 11/08/2023



#88

Benzo(b)fluoranthene

Concen: 79.272 ng m

RT: 15.068 min Scan# 2207

Delta R.T. 0.012 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

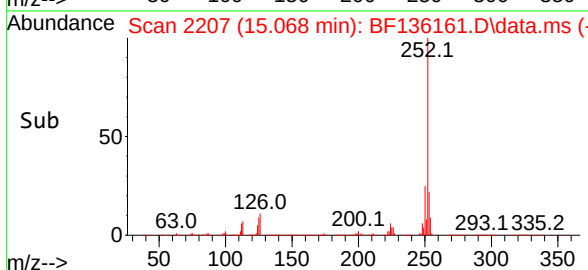
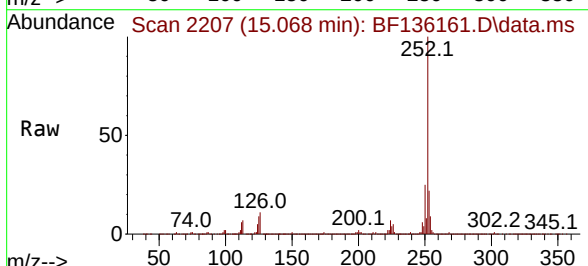
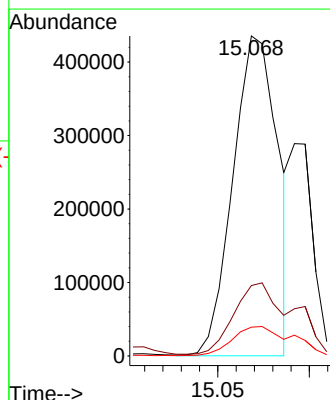
Tgt Ion:252 Resp: 740946

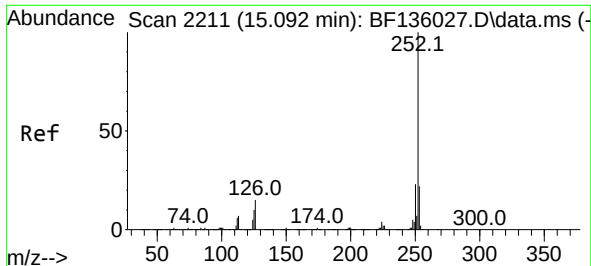
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

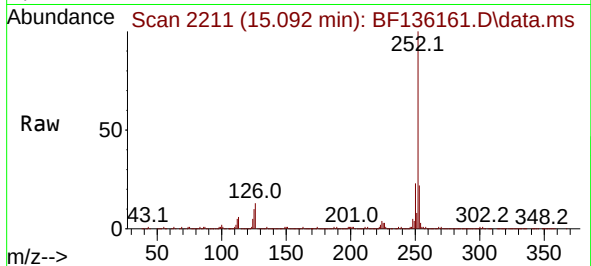
125 9.0 7.5 11.3





#89
Benzo(k)fluoranthene
Concen: 27.630 ng m
RT: 15.092 min Scan# 2211
Delta R.T. 0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

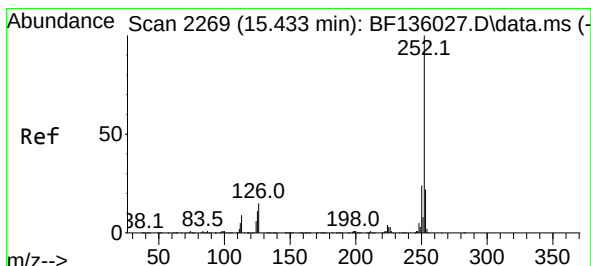
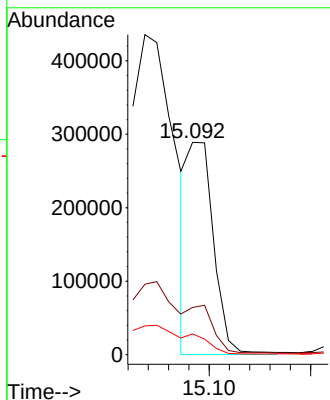
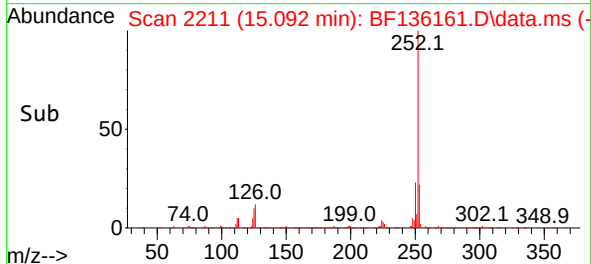
Instrument :
BNA_F
ClientSampleId :
WC-6



Tgt Ion:252 Resp: 25553
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 9.8 8.0 12.0

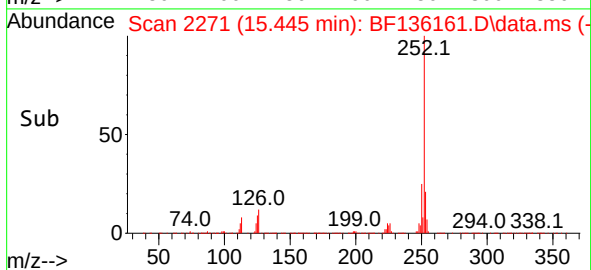
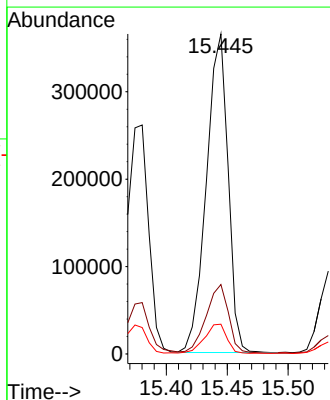
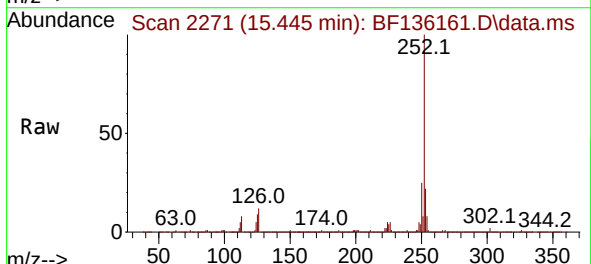
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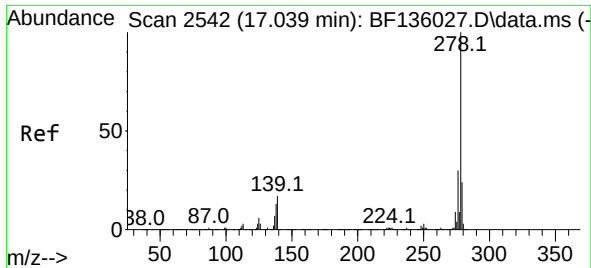
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#90
Benzo(a)pyrene
Concen: 51.942 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

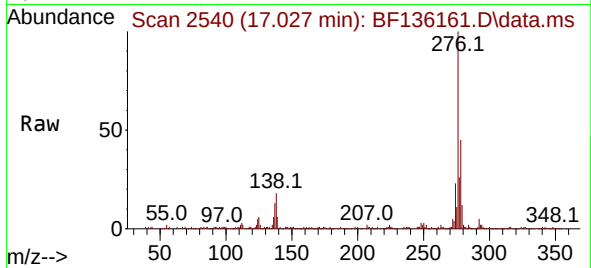
Tgt Ion:252 Resp: 451103
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 9.3 9.0 13.6





#91
Dibenzo(a,h)anthracene
Concen: 7.212 ng
RT: 17.027 min Scan# 2542
Delta R.T. -0.012 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

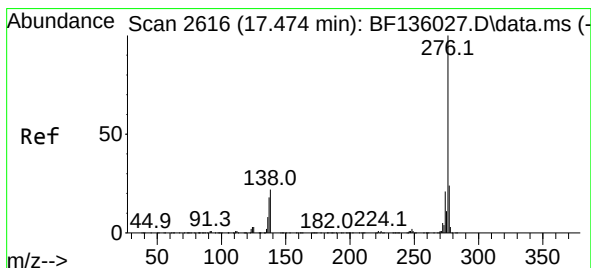
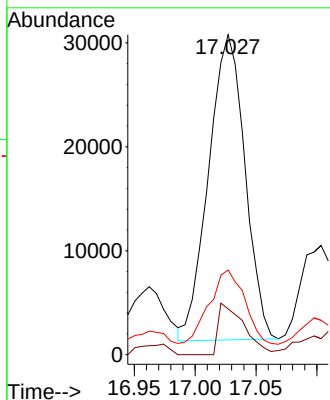
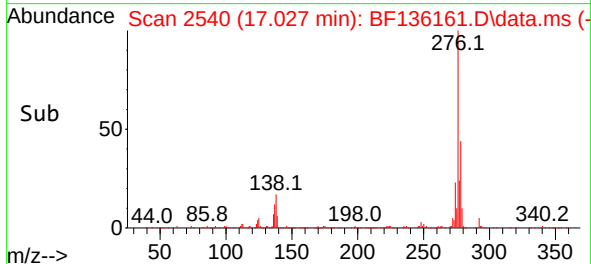
Instrument :
BNA_F
ClientSampleId :
WC-6



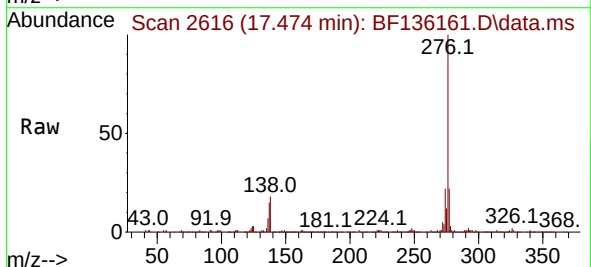
Tgt Ion:278 Resp: 60992
Ion Ratio Lower Upper
278 100
139 14.3 13.7 20.5
279 26.5 19.0 28.6

Manual Integrations
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Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



#92
Benzo(g,h,i)perylene
Concen: 22.981 ng
RT: 17.474 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29



Tgt Ion:276 Resp: 205796
Ion Ratio Lower Upper
276 100
277 21.9 19.0 28.4
138 17.7 17.4 26.2

